Division 1 EWG

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
11+29 AH	1128.83	0.00	39.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	21.17	36.38	0.00	0.00	0.00	29.73	0.00	0.00	0.00	29.73	0.00	0.00	0.00	29.73
12+00	1200.00	50.00	35.40	0.00	0.00	0.00	66.46	0.00	0.00	0.00	96.20	0.00	0.00	0.00	96.20
12+50	1250.00	50.00	36.13	0.00	0.00	0.00	66.23	0.00	0.00	0.00	162.43	0.00	0.00	0.00	162.43
13+00	1300.00	50.00	36.42	0.00	0.00	0.00	67.18	0.00	0.00	0.00	229.60	0.00	0.00	0.00	229.60
13+50	1350.00	50.00	36.80	0.00	0.00	0.00	67.80	0.00	0.00	0.00	297.40	0.00	0.00	0.00	297.40
14+00	1400.00	50.00	35.05	0.00	0.00	0.00	66.53	0.00	0.00	0.00	363.93	0.00	0.00	0.00	363.93
14+50	1450.00	50.00	36.32	0.00	0.00	0.00	66.08	0.00	0.00	0.00	430.01	0.00	0.00	0.00	430.01
15+00	1500.00	50.00	38.66	0.00	0.00	0.00	69.43	0.00	0.00	0.00	499.44	0.00	0.00	0.00	499.44
15+50	1550.00	50.00	40.05	0.00	0.00	0.00	72.88	0.00	0.00	0.00	572.32	0.00	0.00	0.00	572.32
16+00	1600.00	50.00	40.11	0.00	0.00	0.00	74.22	0.00	0.00	0.00	646.54	0.00	0.00	0.00	646.54
16+50	1650.00	50.00	40.39	0.00	0.00	0.00	74.54	0.00	0.00	0.00	721.07	0.00	0.00	0.00	721.07
17+00	1700.00	50.00	39.39	0.00	0.00	0.00	73.87	0.00	0.00	0.00	794.95	0.00	0.00	0.00	794.95
17+50	1750.00	50.00	38.59	0.00	0.00	0.00	72.20	0.00	0.00	0.00	867.15	0.00	0.00	0.00	867.15
18+00	1800.00	50.00	39.48	0.00	0.00	0.00	72.29	0.00	0.00	0.00	939.44	0.00	0.00	0.00	939.44
18+50	1850.00	50.00	41.21	0.00	0.00	0.00	74.71	0.00	0.00	0.00	1014.15	0.00	0.00	0.00	1014.15
19+00	1900.00	50.00	39.97	0.00	0.00	0.00	75.17	0.00	0.00	0.00	1089.32	0.00	0.00	0.00	1089.32
19+50	1950.00	50.00	38.99	0.00	0.00	0.00	73.11	0.00	0.00	0.00	1162.43	0.00	0.00	0.00	1162.43
20+00	2000.00	50.00	39.20	0.00	0.00	0.00	72.40	0.00	0.00	0.00	1234.82	0.00	0.00	0.00	1234.82
20+50	2050.00	50.00	38.76	0.00	0.00	0.00	72.19	0.00	0.00	0.00	1307.01	0.00	0.00	0.00	1307.01
21+00	2100.00	50.00	38.90	0.00	0.00	0.00	71.91	0.00	0.00	0.00	1378.92	0.00	0.00	0.00	1378.92
21+50	2150.00	50.00	39.66	0.00	0.00	0.00	72.74	0.00	0.00	0.00	1451.66	0.00	0.00	0.00	1451.66
22+00	2200.00	50.00	40.99	0.00	0.00	0.00	74.68	0.00	0.00	0.00	1526.33	0.00	0.00	0.00	1526.33
22+50	2250.00	50.00	40.24	0.00	0.00	0.00	75.21	0.00	0.00	0.00	1601.55	0.00	0.00	0.00	1601.55
23+00	2300.00	50.00	39.61	0.00	0.00	0.00	73.94	0.00	0.00	0.00	1675.48	0.00	0.00	0.00	1675.48
23+50	2350.00	50.00	40.13	0.00	0.00	0.00	73.83	0.00	0.00	0.00	1749.32	0.00	0.00	0.00	1749.32
23+90 BK	2390.17	40.17	21.37	0.00	0.00	0.00	45.75	0.00	0.00	0.00	1795.06	0.00	0.00	0.00	1795.06
						Column totals	1795.06	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
190+31 AH	19030.96	0.00	20.30	0.00	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190+50	19050.00	19.04	19.79	0.00	0.00	0.00	14.14	0.00	2.23	0.00	14.14	2.68	0.00	0.00	11.46
191+00	19100.00	50.00	22.54	0.00	0.41	0.00	39.19	0.00	0.38	0.00	53.33	3.13	0.00	0.00	50.20
191+50	19150.00	50.00	27.04	0.00	10.18	0.00	45.91	0.00	9.81	0.00	99.24	14.90	0.00	0.00	84.34
191+50	19150.00	0.00	73.89	0.00	10.75	0.00	0.00	0.00	0.00	0.00	99.24	14.90	0.00	0.00	84.34
192+00	19200.00	50.00	79.05	0.00	4.19	0.00	141.61	0.00	13.83	0.00	240.85	31.50	0.00	0.00	209.35
192+50	19250.00	50.00	76.80	0.00	12.59	0.00	144.31	0.00	15.54	0.00	385.15	50.14	0.00	0.00	335.01
193+00	19300.00	50.00	72.18	0.00	7.49	0.00	137.94	0.00	18.59	0.00	523.10	72.46	0.00	0.00	450.64
193+50	19350.00	50.00	72.08	0.00	1.11	0.00	133.57	0.00	7.96	0.00	656.67	82.01	0.00	0.00	574.66
194+00	19400.00	50.00	69.51	0.00	0.45	0.00	131.10	0.00	1.44	0.00	787.77	83.74	0.00	0.00	704.03
194+50	19450.00	50.00	66.05	0.00	0.50	0.00	125.52	0.00	0.88	0.00	913.29	84.80	0.00	0.00	828.49
195+00	19500.00	50.00	63.69	0.00	0.37	0.00	120.13	0.00	0.81	0.00	1033.42	85.77	0.00	0.00	947.66
195+50	19550.00	50.00	63.64	0.00	0.04	0.00	117.90	0.00	0.38	0.00	1151.32	86.22	0.00	0.00	1065.10
196+00	19600.00	50.00	60.78	0.00	0.00	0.00	115.20	0.00	0.04	0.00	1266.52	86.27	0.00	0.00	1180.26
196+50	19650.00	50.00	62.26	0.00	0.00	0.00	113.93	0.00	0.00	0.00	1380.45	86.27	0.00	0.00	1294.18
197+00	19700.00	50.00	59.71	0.00	0.00	0.00	112.94	0.00	0.00	0.00	1493.39	86.27	0.00	0.00	1407.12
197+50	19750.00	50.00	65.64	0.00	0.00	0.00	116.06	0.00	0.00	0.00	1609.45	86.27	0.00	0.00	1523.18
198+00	19800.00	50.00	87.29	0.00	0.00	0.00	141.60	0.00	0.00	0.00	1751.05	86.27	0.00	0.00	1664.78
198+50	19850.00	50.00	112.63	0.00	0.00	0.00	185.11	0.00	0.00	0.00	1936.16	86.27	0.00	0.00	1849.90
199+00	19900.00	50.00	147.92	0.00	0.00	0.00	241.25	0.00	0.00	0.00	2177.41	86.27	0.00	0.00	2091.15
199+50	19950.00	50.00	186.50	0.00	0.00	0.00	309.65	0.00	0.00	0.00	2487.06	86.27	0.00	0.00	2400.79
200+00	20000.00	50.00	227.55	0.00	0.00	0.00	383.38	0.00	0.00	0.00	2870.44	86.27	0.00	0.00	2784.17
200+50	20050.00	50.00	236.71	0.00	0.00	0.00	429.87	0.00	0.00	0.00	3300.31	86.27	0.00	0.00	3214.04
201+00	20100.00	50.00	268.23	0.00	0.00	0.00	467.54	0.00	0.00	0.00	3767.85	86.27	0.00	0.00	3681.58
201+50	20150.00	50.00	239.84	0.00	0.15	0.00	470.44	0.00	0.14	0.00	4238.28	86.43	0.00	0.00	4151.85
202+00	20200.00	50.00	133.20	0.00	0.00	0.00	345.41	0.00	0.14	0.00	4583.69	86.60	0.00	0.00	4497.09
202+50	20250.00	50.00	37.91	0.00	0.00	0.00	158.44	0.00	0.00	0.00	4742.13	86.60	0.00	0.00	4655.53
203+00	20300.00	50.00	37.20	0.00	0.00	0.00	69.55	0.00	0.00	0.00	4811.67	86.60	0.00	0.00	4725.07

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
203+50	20350.00	50.00	209.61	0.00	0.00	0.00	228.53	0.00	0.00	0.00	5040.20	86.60	0.00	0.00	4953.60
204+00	20400.00	50.00	218.74	0.00	0.09	0.00	396.62	0.00	0.08	0.00	5436.82	86.70	0.00	0.00	5350.12
204+50	20450.00	50.00	89.06	0.00	0.38	0.00	285.00	0.00	0.44	0.00	5721.82	87.22	0.00	0.00	5634.60
205+00	20500.00	50.00	76.52	0.00	0.02	0.00	153.31	0.00	0.37	0.00	5875.14	87.67	0.00	0.00	5787.47
205+50	20550.00	50.00	76.47	0.00	0.30	0.00	141.66	0.00	0.30	0.00	6016.79	88.02	0.00	0.00	5928.77
206+00	20600.00	50.00	80.47	0.00	2.21	0.00	145.31	0.00	2.32	0.00	6162.11	90.81	0.00	0.00	6071.30
206+00	20600.00	0.00	117.38	0.00	2.37	0.00	0.00	0.00	0.00	0.00	6162.11	90.81	0.00	0.00	6071.30
206+50	20650.00	50.00	121.08	0.00	4.93	0.00	220.80	0.00	6.76	0.00	6382.90	98.92	0.00	0.00	6283.98
207+00	20700.00	50.00	118.97	0.00	3.98	0.00	222.27	0.00	8.25	0.00	6605.17	108.82	0.00	0.00	6496.35
207+50	20750.00	50.00	120.88	0.00	5.35	0.00	222.08	0.00	8.64	0.00	6827.26	119.19	0.00	0.00	6708.07
208+00	20800.00	50.00	123.69	0.00	5.60	0.00	226.45	0.00	10.14	0.00	7053.71	131.36	0.00	0.00	6922.35
208+50	20850.00	50.00	123.05	0.00	18.01	0.00	228.46	0.00	21.86	0.00	7282.17	157.59	0.00	0.00	7124.58
209+00	20900.00	50.00	116.57	0.00	1.27	0.00	221.87	0.00	17.85	0.00	7504.04	179.01	0.00	0.00	7325.03
209+50	20950.00	50.00	113.48	0.00	0.66	0.00	213.01	0.00	1.79	0.00	7717.05	181.16	0.00	0.00	7535.90
210+00	21000.00	50.00	141.98	0.00	0.00	0.00	236.54	0.00	0.61	0.00	7953.59	181.89	0.00	0.00	7771.70
210+50	21050.00	50.00	179.47	0.00	0.00	0.00	297.64	0.00	0.00	0.00	8251.23	181.89	0.00	0.00	8069.34
211+00	21100.00	50.00	182.27	0.00	0.00	0.00	334.94	0.00	0.00	0.00	8586.17	181.89	0.00	0.00	8404.28
211+50	21150.00	50.00	155.82	0.00	0.00	0.00	313.05	0.00	0.00	0.00	8899.22	181.89	0.00	0.00	8717.33
212+00	21200.00	50.00	139.36	0.00	0.00	0.00	273.31	0.00	0.00	0.00	9172.53	181.89	0.00	0.00	8990.64
212+50	21250.00	50.00	131.32	0.00	0.00	0.00	250.63	0.00	0.00	0.00	9423.16	181.89	0.00	0.00	9241.27
213+00	21300.00	50.00	125.20	0.00	0.00	0.00	237.52	0.00	0.00	0.00	9660.68	181.89	0.00	0.00	9478.79
213+50	21350.00	50.00	116.18	0.00	0.00	0.00	223.50	0.00	0.00	0.00	9884.18	181.89	0.00	0.00	9702.29
214+00	21400.00	50.00	100.47	0.00	0.00	0.00	200.60	0.00	0.00	0.00	10084.78	181.89	0.00	0.00	9902.89
214+44	21444.00	44.00	85.00	0.00	0.01	0.00	151.12	0.00	0.01	0.00	10235.91	181.90	0.00	0.00	10054.01

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
214+44	21444.00	0.00	47.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10235.91	181.90	0.00	0.00	10054.01
214+50	21450.00	6.00	46.61	0.00	0.00	0.00	10.48	0.00	0.00	0.00	10246.39	181.90	0.00	0.00	10064.49
215+00	21500.00	50.00	36.82	0.00	0.00	0.00	77.25	0.00	0.00	0.00	10323.64	181.90	0.00	0.00	10141.74
215+50	21550.00	50.00	29.55	0.00	0.00	0.00	61.45	0.00	0.00	0.00	10385.09	181.90	0.00	0.00	10203.19
216+00	21600.00	50.00	22.60	0.00	0.00	0.00	48.29	0.00	0.00	0.00	10433.38	181.90	0.00	0.00	10251.48
216+50	21650.00	50.00	15.35	0.00	0.00	0.00	35.14	0.00	0.00	0.00	10468.52	181.90	0.00	0.00	10286.62
217+00	21700.00	50.00	5.76	0.00	0.00	0.00	19.55	0.00	0.00	0.00	10488.07	181.90	0.00	0.00	10306.17
217+50	21750.00	50.00	0.00	0.00	6.03	0.00	5.33	0.00	5.58	0.00	10493.40	188.60	0.00	0.00	10304.80
217+90	21790.00	40.00	0.00	0.00	17.23	0.00	0.00	0.00	17.23	0.00	10493.40	209.27	0.00	0.00	10284.12
217+90	21790.00	0.00	0.00	0.00	88.30	0.00	0.00	0.00	0.00	0.00	10493.40	209.27	0.00	0.00	10284.12
218+00	21800.00	10.00	0.00	0.00	96.53	0.00	0.00	0.00	34.23	0.00	10493.40	250.35	0.00	0.00	10243.05
218+50	21850.00	50.00	0.00	0.00	171.44	0.00	0.00	0.00	248.12	0.00	10493.40	548.09	0.00	0.00	9945.31
219+00	21900.00	50.00	0.00	0.00	259.10	0.00	0.00	0.00	398.65	0.00	10493.40	1026.47	0.00	0.00	9466.93
219+00	21900.00	0.00	0.00	0.00	232.78	0.00	0.00	0.00	0.00	0.00	10493.40	1026.47	0.00	0.00	9466.93
219+50	21950.00	50.00	0.00	0.00	311.68	0.00	0.00	0.00	504.13	0.00	10493.40	1631.43	0.00	0.00	8861.97
220+00	22000.00	50.00	0.00	0.00	384.09	0.00	0.00	0.00	644.23	0.00	10493.40	2404.50	0.00	0.00	8088.90
220+50	22050.00	50.00	0.00	0.00	456.77	0.00	0.00	0.00	778.57	0.00	10493.40	3338.79	0.00	0.00	7154.61
221+00	22100.00	50.00	0.00	0.00	510.05	0.00	0.00	0.00	895.20	0.00	10493.40	4413.04	0.00	0.00	6080.36
221+50	22150.00	50.00	0.00	0.00	558.49	0.00	0.00	0.00	989.39	0.00	10493.40	5600.30	0.00	0.00	4893.10
222+00	22200.00	50.00	0.00	0.00	604.54	0.00	0.00	0.00	1076.88	0.00	10493.40	6892.56	0.00	0.00	3600.84
222+50	22250.00	50.00	0.00	0.00	615.31	0.00	0.00	0.00	1129.49	0.00	10493.40	8247.95	0.00	0.00	2245.45
223+00	22300.00	50.00	0.00	0.00	613.84	0.00	0.00	0.00	1138.10	0.00	10493.40	9613.67	0.00	0.00	879.73
223+50	22350.00	50.00	0.00	0.00	648.79	0.00	0.00	0.00	1169.10	0.00	10493.40	11016.59	0.00	0.00	-523.19
224+00	22400.00	50.00	0.00	0.00	651.02	0.00	0.00	0.00	1203.53	0.00	10493.40	12460.83	0.00	0.00	-1967.43
224+50	22450.00	50.00	0.00	0.00	624.76	0.00	0.00	0.00	1181.28	0.00	10493.40	13878.36	0.00	0.00	-3384.96
225+00	22500.00	50.00	0.00	0.00	592.04	0.00	0.00	0.00	1126.67	0.00	10493.40	15230.36	0.00	0.00	-4736.96

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew5 PLOT SCALE : 1:1

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
225+50	22550.00	50.00	0.00	0.00	550.43	0.00	0.00	0.00	1057.84	0.00	10493.40	16499.77	0.00	0.00	-6006.37
226+00	22600.00	50.00	0.00	0.00	574.10	0.00	0.00	0.00	1041.23	0.00	10493.40	17749.25	0.00	0.00	-7255.85
226+50	22650.00	50.00	0.00	0.00	520.42	0.00	0.00	0.00	1013.44	0.00	10493.40	18965.38	0.00	0.00	-8471.98
227+00	22700.00	50.00	0.00	0.00	455.42	0.00	0.00	0.00	903.56	0.00	10493.40	20049.65	0.00	0.00	-9556.25
227+50	22750.00	50.00	0.00	0.00	419.69	0.00	0.00	0.00	810.29	0.00	10493.40	21021.99	0.00	0.00	-10528.59
228+00	22800.00	50.00	0.00	0.00	448.69	0.00	0.00	0.00	804.06	0.00	10493.40	21986.86	0.00	0.00	-11493.46
228+50	22850.00	50.00	11.74	0.00	296.85	0.00	10.87	0.00	690.31	0.00	10504.27	22815.24	0.00	0.00	-12310.97
228+77	22876.97	26.97	25.04	0.00	400.24	0.00	18.37	0.00	348.16	0.00	10522.64	23233.03	0.00	0.00	-12710.39
228+89 BK	22889.28	12.31	0.00	0.00	0.00	0.00	5.71	0.00	91.24	0.00	10528.35	23342.51	0.00	0.00	-12814.17
230+77 AH	23077.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230+88	23088.21	10.78	160.99	0.00	0.00	0.00	32.14	0.00	0.00	0.00	32.14	0.00	0.00	0.00	32.14
231+00	23100.00	11.79	265.33	0.00	1.02	0.00	93.08	0.00	0.22	0.00	125.22	0.27	0.00	0.00	124.95
231+50	23150.00	50.00	184.14	0.00	214.24	0.00	416.18	0.00	199.31	0.00	541.39	239.45	0.00	0.00	301.95
232+00	23200.00	50.00	0.17	0.00	126.20	0.00	170.66	0.00	315.22	0.00	712.05	617.71	0.00	0.00	94.34
232+50	23250.00	50.00	0.00	0.00	536.79	0.00	0.16	0.00	613.88	0.00	712.21	1354.37	0.00	0.00	-642.16
233+00	23300.00	50.00	0.00	0.00	549.93	0.00	0.00	0.00	1006.22	0.00	712.21	2561.83	0.00	0.00	-1849.62
233+50	23350.00	50.00	0.00	0.00	478.34	0.00	0.00	0.00	952.10	0.00	712.21	3704.36	0.00	0.00	-2992.15
234+00	23400.00	50.00	0.00	0.00	414.00	0.00	0.00	0.00	826.24	0.00	712.21	4695.85	0.00	0.00	-3983.64
234+50	23450.00	50.00	0.00	0.00	357.19	0.00	0.00	0.00	714.06	0.00	712.21	5552.72	0.00	0.00	-4840.51
235+00	23500.00	50.00	0.00	0.00	339.99	0.00	0.00	0.00	645.54	0.00	712.21	6327.37	0.00	0.00	-5615.16
235+50	23550.00	50.00	0.00	0.00	336.40	0.00	0.00	0.00	626.29	0.00	712.21	7078.91	0.00	0.00	-6366.70
236+00	23600.00	50.00	0.00	0.00	320.67	0.00	0.00	0.00	608.40	0.00	712.21	7808.99	0.00	0.00	-7096.78
236+50	23650.00	50.00	0.00	0.00	319.56	0.00	0.00	0.00	592.81	0.00	712.21	8520.36	0.00	0.00	-7808.15
237+00	23700.00	50.00	0.00	0.00	312.73	0.00	0.00	0.00	585.45	0.00	712.21	9222.90	0.00	0.00	-8510.69

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew6 PLOT SCALE : 1:1

(CONTINUED)

Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
237+50	23750.00	50.00	0.04	0.00	278.64	0.00	0.04	0.00	547.56	0.00	712.25	9879.98	0.00	0.00	-9167.73
238+00	23800.00	50.00	0.28	0.00	235.00	0.00	0.30	0.00	475.59	0.00	712.54	10450.69	0.00	0.00	-9738.15
238+50	23850.00	50.00	2.64	0.00	162.87	0.00	2.70	0.00	368.40	0.00	715.25	10892.77	0.00	0.00	-10177.52
239+00	23900.00	50.00	14.42	0.00	95.39	0.00	15.80	0.00	239.13	0.00	731.04	11179.72	0.00	0.00	-10448.68
239+00	23900.00	0.00	14.59	0.00	136.10	0.00	0.00	0.00	0.00	0.00	731.04	11179.72	0.00	0.00	-10448.68
239+50	23950.00	50.00	30.85	0.00	101.47	0.00	42.07	0.00	219.97	0.00	773.12	11443.69	0.00	0.00	-10670.57
240+00	24000.00	50.00	83.42	0.00	67.01	0.00	105.81	0.00	156.00	0.00	878.92	11630.89	0.00	0.00	-10751.97
240+29	24029.00	29.00	144.74	0.00	59.67	0.00	122.53	0.00	68.03	0.00	1001.45	11712.53	0.00	0.00	-10711.08
240+29	24029.00	0.00	4.02	0.00	59.05	0.00	0.00	0.00	0.00	0.00	1001.45	11712.53	0.00	0.00	-10711.08
240+50	24050.00	21.00	6.12	0.00	57.06	0.00	3.94	0.00	45.15	0.00	1005.40	11766.71	0.00	0.00	-10761.32
241+00	24100.00	50.00	10.25	0.00	57.89	0.00	15.16	0.00	106.44	0.00	1020.55	11894.43	0.00	0.00	-10873.88
241+50	24150.00	50.00	16.12	0.00	36.01	0.00	24.42	0.00	86.94	0.00	1044.97	11998.77	0.00	0.00	-10953.80
242+00	24200.00	50.00	23.22	0.00	23.62	0.00	36.43	0.00	55.21	0.00	1081.40	12065.02	0.00	0.00	-10983.63
242+27	24227.00	27.00	13.27	0.00	22.34	0.00	18.25	0.00	22.98	0.00	1099.64	12092.60	0.00	0.00	-10992.96
242+27	24227.00	0.00	93.91	0.00	22.39	0.00	0.00	0.00	0.00	0.00	1099.64	12092.60	0.00	0.00	-10992.96
242+50	24250.00	23.00	80.33	0.00	24.17	0.00	74.21	0.00	19.83	0.00	1173.85	12116.40	0.00	0.00	-10942.54
243+00	24300.00	50.00	19.85	0.00	11.28	0.00	92.76	0.00	32.82	0.00	1266.61	12155.79	0.00	0.00	-10889.17
243+50	24350.00	50.00	24.29	0.00	70.88	0.00	40.87	0.00	76.07	0.00	1307.48	12247.07	0.00	0.00	-10939.59
244+00	24400.00	50.00	32.97	0.00	62.37	0.00	53.02	0.00	123.38	0.00	1360.50	12395.13	0.00	0.00	-11034.63
244+50	24450.00	50.00	52.09	0.00	31.96	0.00	78.76	0.00	87.34	0.00	1439.26	12499.94	0.00	0.00	-11060.68
245+00	24500.00	50.00	96.19	0.00	6.22	0.00	137.30	0.00	35.35	0.00	1576.56	12542.36	0.00	0.00	-10965.81
245+50	24550.00	50.00	132.89	0.00	6.67	0.00	212.11	0.00	11.94	0.00	1788.67	12556.69	0.00	0.00	-10768.02
246+00	24600.00	50.00	111.69	0.00	99.36	0.00	226.46	0.00	98.18	0.00	2015.13	12674.50	0.00	0.00	-10659.37
246+50	24650.00	50.00	101.97	0.00	120.16	0.00	197.83	0.00	203.26	0.00	2212.97	12918.41	0.00	0.00	-10705.44

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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(CONTINUED)

Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
247+00	24700.00	50.00	461.17	0.00	4.79	0.00	521.43	0.00	115.69	0.00	2734.39	13057.24	0.00	0.00	-10322.85
247+50	24750.00	50.00	1987.60	0.00	0.00	0.00	2267.38	0.00	4.44	0.00	5001.77	13062.56	0.00	0.00	-8060.79
248+00	24800.00	50.00	765.91	0.00	21.67	0.00	2549.55	0.00	20.06	0.00	7551.32	13086.64	0.00	0.00	-5535.32
248+50	24850.00	50.00	309.67	0.00	185.56	0.00	995.91	0.00	191.88	0.00	8547.22	13316.90	0.00	0.00	-4769.67
249+00	24900.00	50.00	295.90	0.00	167.87	0.00	560.71	0.00	327.25	0.00	9107.94	13709.60	0.00	0.00	-4601.66
249+50	24950.00	50.00	307.75	0.00	131.64	0.00	558.94	0.00	277.32	0.00	9666.87	14042.39	0.00	0.00	-4375.51
250+00	25000.00	50.00	313.50	0.00	165.50	0.00	575.23	0.00	275.13	0.00	10242.10	14372.54	0.00	0.00	-4130.44
250+50	25050.00	50.00	327.43	0.00	75.68	0.00	593.45	0.00	223.31	0.00	10835.56	14640.52	0.00	0.00	-3804.96
251+00	25100.00	50.00	363.04	0.00	74.19	0.00	639.32	0.00	138.77	0.00	11474.88	14807.04	0.00	0.00	-3332.16
251+50	25150.00	50.00	1199.05	0.00	45.45	0.00	1446.38	0.00	110.78	0.00	12921.26	14939.97	0.00	0.00	-2018.71
251+50	25150.00	0.00	1156.11	0.00	43.95	0.00	0.00	0.00	0.00	0.00	12921.26	14939.97	0.00	0.00	-2018.71
252+00	25200.00	50.00	1378.91	0.00	241.10	0.00	2347.24	0.00	263.94	0.00	15268.50	15256.70	0.00	0.00	11.81
252+50	25250.00	50.00	353.74	0.00	0.00	0.00	1604.31	0.00	223.24	0.00	16872.81	15524.59	0.00	0.00	1348.22
253+00	25300.00	50.00	233.13	0.00	0.00	0.00	543.40	0.00	0.00	0.00	17416.21	15524.59	0.00	0.00	1891.62
253+50	25350.00	50.00	229.00	0.00	0.00	0.00	427.90	0.00	0.00	0.00	17844.10	15524.59	0.00	0.00	2319.52
254+00	25400.00	50.00	224.77	0.00	0.00	0.00	420.16	0.00	0.00	0.00	18264.26	15524.59	0.00	0.00	2739.68
254+50	25450.00	50.00	182.06	0.00	367.81	0.00	376.69	0.00	340.56	0.00	18640.96	15933.26	0.00	0.00	2707.69
255+00	25500.00	50.00	403.59	0.00	0.00	0.00	542.27	0.00	340.56	0.00	19183.22	16341.94	0.00	0.00	2841.28
255+50	25550.00	50.00	148.87	0.00	0.00	0.00	511.54	0.00	0.00	0.00	19694.76	16341.94	0.00	0.00	3352.82
255+50	25550.00	0.00	204.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19694.76	16341.94	0.00	0.00	3352.82
256+00	25600.00	50.00	185.36	0.00	0.00	0.00	360.95	0.00	0.00	0.00	20055.72	16341.94	0.00	0.00	3713.77
256+50	25650.00	50.00	190.42	0.00	0.00	0.00	347.94	0.00	0.00	0.00	20403.66	16341.94	0.00	0.00	4061.72
257+00	25700.00	50.00	372.42	0.00	0.00	0.00	521.15	0.00	0.00	0.00	20924.81	16341.94	0.00	0.00	4582.87
257+50	25750.00	50.00	288.10	0.00	0.00	0.00	611.59	0.00	0.00	0.00	21536.40	16341.94	0.00	0.00	5194.46
258+00	25800.00	50.00	174.12	0.00	0.00	0.00	427.98	0.00	0.00	0.00	21964.38	16341.94	0.00	0.00	5622.44
258+50	25850.00	50.00	154.56	0.00	0.00	0.00	304.33	0.00	0.00	0.00	22268.72	16341.94	0.00	0.00	5926.77

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3	Cumulative Vol (CY) Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
259+00	25900.00	50.00	140.87	0.00	0.00	0.00	273.55	0.00	0.00	0.00	22542.26	16341.94	0.00	0.00	6200.32
259+50	25950.00	50.00	124.12	0.00	0.00	0.00	245.36	0.00	0.00	0.00	22787.62	16341.94	0.00	0.00	6445.68
260+00	26000.00	50.00	136.88	0.00	0.00	0.00	241.67	0.00	0.00	0.00	23029.29	16341.94	0.00	0.00	6687.35
260+50	26050.00	50.00	154.43	0.00	0.00	0.00	269.73	0.00	0.00	0.00	23299.02	16341.94	0.00	0.00	6957.08
261+00	26100.00	50.00	127.22	0.00	0.00	0.00	260.79	0.00	0.00	0.00	23559.81	16341.94	0.00	0.00	7217.87
261+50	26150.00	50.00	79.69	0.00	4.21	0.00	191.58	0.00	3.90	0.00	23751.39	16346.62	0.00	0.00	7404.77
262+00	26200.00	50.00	39.51	0.00	3.97	0.00	110.37	0.00	7.57	0.00	23861.76	16355.71	0.00	0.00	7506.05
262+50	26250.00	50.00	35.43	0.00	15.07	0.00	69.39	0.00	17.63	0.00	23931.15	16376.86	0.00	0.00	7554.29
263+00	26300.00	50.00	23.26	0.00	28.35	0.00	54.34	0.00	40.20	0.00	23985.49	16425.11	0.00	0.00	7560.38
263+50	26350.00	50.00	11.17	0.00	64.67	0.00	31.88	0.00	86.13	0.00	24017.37	16528.46	0.00	0.00	7488.91
264+00	26400.00	50.00	6.96	0.00	93.59	0.00	16.79	0.00	146.54	0.00	24034.16	16704.31	0.00	0.00	7329.85
264+50	26450.00	50.00	8.67	0.00	65.90	0.00	14.47	0.00	147.68	0.00	24048.63	16881.52	0.00	0.00	7167.11
265+00	26500.00	50.00	14.87	0.00	49.04	0.00	21.80	0.00	106.43	0.00	24070.43	17009.23	0.00	0.00	7061.20
265+07 BK	26506.57	6.57	15.58	0.00	47.30	0.00	3.70	0.00	11.72	0.00	24074.13	17023.30	0.00	0.00	7050.84
		Column totals					34602.48	0.00	33638.17	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
308+00 AH	30800.00	0.00	114.74	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
308+50	30850.00	50.00	373.58	0.00	0.00	0.00	452.15	0.00	0.53	0.00	452.15	0.63	0.00	0.00	451.51
309+00	30900.00	50.00	554.73	0.00	0.00	0.00	859.55	0.00	0.00	0.00	1311.69	0.63	0.00	0.00	1311.06
309+00	30900.00	0.00	633.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1311.69	0.63	0.00	0.00	1311.06
309+50	30950.00	50.00	690.62	0.00	0.00	0.00	1226.06	0.00	0.00	0.00	2537.76	0.63	0.00	0.00	2537.13
310+00	31000.00	50.00	704.38	0.00	0.00	0.00	1291.67	0.00	0.00	0.00	3829.43	0.63	0.00	0.00	3828.79
310+34	31034.00	34.00	706.56	0.00	0.00	0.00	888.37	0.00	0.00	0.00	4717.80	0.63	0.00	0.00	4717.16
310+34	31034.00	0.00	475.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4717.80	0.63	0.00	0.00	4717.16
310+50	31050.00	16.00	482.74	0.00	0.00	0.00	283.84	0.00	0.00	0.00	5001.64	0.63	0.00	0.00	5001.01
311+00	31100.00	50.00	494.81	0.00	0.00	0.00	905.14	0.00	0.00	0.00	5906.78	0.63	0.00	0.00	5906.14
311+50	31150.00	50.00	485.77	0.00	0.00	0.00	907.94	0.00	0.00	0.00	6814.72	0.63	0.00	0.00	6814.09
311+69	31169.00	19.00	483.29	0.00	0.00	0.00	340.97	0.00	0.00	0.00	7155.69	0.63	0.00	0.00	7155.05
311+69	31169.00	0.00	575.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7155.69	0.63	0.00	0.00	7155.05
312+00	31200.00	31.00	567.78	0.00	0.00	0.00	656.19	0.00	0.00	0.00	7811.88	0.63	0.00	0.00	7811.24
312+00	31200.00	0.00	220.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7811.88	0.63	0.00	0.00	7811.24
312+50	31250.00	50.00	216.21	0.00	0.00	0.00	404.30	0.00	0.00	0.00	8216.17	0.63	0.00	0.00	8215.54
313+00 BK	31300.00	50.00	211.94	0.00	0.00	0.00	396.44	0.00	0.00	0.00	8612.61	0.63	0.00	0.00	8611.98
327+00 AH	32700.00	0.00	202.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
327+50	32750.00	50.00	207.78	0.00	0.00	0.00	379.94	0.00	0.00	0.00	379.94	0.00	0.00	0.00	379.94
328+00	32800.00	50.00	191.61	0.00	0.00	0.00	369.81	0.00	0.00	0.00	749.74	0.00	0.00	0.00	749.74

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
328+00	32800.00	0.00	336.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	749.74	0.00	0.00	0.00	749.74
328+50	32850.00	50.00	310.70	0.00	0.00	0.00	599.19	0.00	0.00	0.00	1348.94	0.00	0.00	0.00	1348.94
329+00	32900.00	50.00	308.98	0.00	0.00	0.00	573.78	0.00	0.00	0.00	1922.71	0.00	0.00	0.00	1922.71
329+50	32950.00	50.00	314.55	0.00	0.00	0.00	577.34	0.00	0.00	0.00	2500.06	0.00	0.00	0.00	2500.06
330+00	33000.00	50.00	317.21	0.00	0.00	0.00	584.96	0.00	0.00	0.00	3085.02	0.00	0.00	0.00	3085.02
330+00	33000.00	0.00	561.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3085.02	0.00	0.00	0.00	3085.02
330+50	33050.00	50.00	563.87	0.00	0.00	0.00	1042.17	0.00	0.00	0.00	4127.19	0.00	0.00	0.00	4127.19
331+00	33100.00	50.00	563.83	0.00	0.00	0.00	1044.17	0.00	0.00	0.00	5171.35	0.00	0.00	0.00	5171.35
331+50	33150.00	50.00	555.36	0.00	0.00	0.00	1036.29	0.00	0.00	0.00	6207.64	0.00	0.00	0.00	6207.64
332+00	33200.00	50.00	524.94	0.00	0.00	0.00	1000.28	0.00	0.00	0.00	7207.92	0.00	0.00	0.00	7207.92
332+50	33250.00	50.00	487.32	0.00	0.00	0.00	937.28	0.00	0.00	0.00	8145.19	0.00	0.00	0.00	8145.19
333+00	33300.00	50.00	509.95	0.00	0.00	0.00	923.40	0.00	0.00	0.00	9068.59	0.00	0.00	0.00	9068.59
333+50	33350.00	50.00	636.53	0.00	0.00	0.00	1061.56	0.00	0.00	0.00	10130.15	0.00	0.00	0.00	10130.15
334+00	33400.00	50.00	839.03	0.00	0.00	0.00	1366.26	0.00	0.00	0.00	11496.41	0.00	0.00	0.00	11496.41
334+00	33400.00	0.00	946.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11496.41	0.00	0.00	0.00	11496.41
334+50	33450.00	50.00	1004.90	0.00	0.00	0.00	1807.30	0.00	0.00	0.00	13303.70	0.00	0.00	0.00	13303.70
335+00	33500.00	50.00	980.41	0.00	0.00	0.00	1838.25	0.00	0.00	0.00	15141.95	0.00	0.00	0.00	15141.95
335+31	33530.81	30.81	794.24	0.00	0.00	0.00	1012.54	0.00	0.00	0.00	16154.49	0.00	0.00	0.00	16154.49
335+31	33530.81	0.00	977.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16154.49	0.00	0.00	0.00	16154.49
335+50	33550.00	19.19	797.11	0.00	0.00	0.00	630.82	0.00	0.00	0.00	16785.31	0.00	0.00	0.00	16785.31
336+00	33600.00	50.00	724.23	0.00	0.00	0.00	1408.65	0.00	0.00	0.00	18193.96	0.00	0.00	0.00	18193.96
336+50	33650.00	50.00	647.57	0.00	0.00	0.00	1270.19	0.00	0.00	0.00	19464.14	0.00	0.00	0.00	19464.14
337+00	33700.00	50.00	570.36	0.00	0.00	0.00	1127.71	0.00	0.00	0.00	20591.85	0.00	0.00	0.00	20591.85
337+50	33750.00	50.00	585.72	0.00	0.00	0.00	1070.44	0.00	0.00	0.00	21662.30	0.00	0.00	0.00	21662.30
337+84	33784.05	34.05	613.49	0.00	0.00	0.00	756.17	0.00	0.00	0.00	22418.47	0.00	0.00	0.00	22418.47
337+84	33784.05	0.00	645.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22418.47	0.00	0.00	0.00	22418.47
338+00	33800.00	15.95	603.96	0.00	0.00	0.00	369.09	0.00	0.00	0.00	22787.55	0.00	0.00	0.00	22787.55

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
338+50	33850.00	50.00	544.94	0.00	0.00	0.00	1063.80	0.00	0.00	0.00	23851.35	0.00	0.00	0.00	23851.35
339+00	33900.00	50.00	499.78	0.00	0.00	0.00	967.33	0.00	0.00	0.00	24818.68	0.00	0.00	0.00	24818.68
339+50	33950.00	50.00	568.89	0.00	0.00	0.00	989.51	0.00	0.00	0.00	25808.19	0.00	0.00	0.00	25808.19
340+00	34000.00	50.00	506.47	0.00	0.00	0.00	995.70	0.00	0.00	0.00	26803.90	0.00	0.00	0.00	26803.90
340+50	34050.00	50.00	289.31	0.00	0.00	0.00	736.83	0.00	0.00	0.00	27540.73	0.00	0.00	0.00	27540.73
341+00	34100.00	50.00	282.20	0.00	0.00	0.00	529.18	0.00	0.00	0.00	28069.91	0.00	0.00	0.00	28069.91
341+50	34150.00	50.00	297.30	0.00	0.00	0.00	536.57	0.00	0.00	0.00	28606.48	0.00	0.00	0.00	28606.48
342+00	34200.00	50.00	314.09	0.00	0.00	0.00	566.10	0.00	0.00	0.00	29172.58	0.00	0.00	0.00	29172.58
342+50	34250.00	50.00	335.22	0.00	0.00	0.00	601.21	0.00	0.00	0.00	29773.79	0.00	0.00	0.00	29773.79
343+00	34300.00	50.00	369.24	0.00	0.00	0.00	652.28	0.00	0.00	0.00	30426.07	0.00	0.00	0.00	30426.07
343+41	34340.54	40.54	404.06	0.00	0.00	0.00	580.55	0.00	0.00	0.00	31006.62	0.00	0.00	0.00	31006.62
343+41	34340.54	0.00	297.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31006.62	0.00	0.00	0.00	31006.62
343+50	34350.00	9.46	304.87	0.00	0.00	0.00	105.53	0.00	0.00	0.00	31112.15	0.00	0.00	0.00	31112.15
344+00	34400.00	50.00	330.83	0.00	0.00	0.00	588.61	0.00	0.00	0.00	31700.76	0.00	0.00	0.00	31700.76
344+50	34450.00	50.00	324.94	0.00	0.00	0.00	607.19	0.00	0.00	0.00	32307.96	0.00	0.00	0.00	32307.96
345+00	34500.00	50.00	336.16	0.00	0.00	0.00	612.13	0.00	0.00	0.00	32920.09	0.00	0.00	0.00	32920.09
345+50	34550.00	50.00	322.23	0.00	0.00	0.00	609.62	0.00	0.00	0.00	33529.71	0.00	0.00	0.00	33529.71
346+00	34600.00	50.00	300.31	0.00	0.00	0.00	576.43	0.00	0.00	0.00	34106.13	0.00	0.00	0.00	34106.13
346+00	34600.00	0.00	255.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34106.13	0.00	0.00	0.00	34106.13
346+50	34650.00	50.00	252.89	0.00	0.00	0.00	470.90	0.00	0.00	0.00	34577.03	0.00	0.00	0.00	34577.03
347+00	34700.00	50.00	229.25	0.00	0.00	0.00	446.43	0.00	0.00	0.00	35023.46	0.00	0.00	0.00	35023.46

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
347+00	34700.00	0.00	191.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35023.46	0.00	0.00	0.00	35023.46
347+50	34750.00	50.00	180.51	0.00	0.01	0.00	344.90	0.00	0.01	0.00	35368.36	0.01	0.00	0.00	35368.35
348+00	34800.00	50.00	162.31	0.00	0.11	0.00	317.43	0.00	0.11	0.00	35685.78	0.14	0.00	0.00	35685.64
348+50	34850.00	50.00	145.12	0.00	0.26	0.00	284.66	0.00	0.34	0.00	35970.44	0.56	0.00	0.00	35969.88
349+00	34900.00	50.00	134.20	0.00	0.57	0.00	258.63	0.00	0.77	0.00	36229.07	1.48	0.00	0.00	36227.59
349+50	34950.00	50.00	119.95	0.00	0.69	0.00	235.32	0.00	1.17	0.00	36464.39	2.88	0.00	0.00	36461.52
349+50	34950.00	0.00	101.75	0.00	0.69	0.00	0.00	0.00	0.00	0.00	36464.39	2.88	0.00	0.00	36461.52
350+00	35000.00	50.00	90.06	0.00	0.91	0.00	177.60	0.00	1.48	0.00	36642.00	4.66	0.00	0.00	36637.34
350+50	35050.00	50.00	82.74	0.00	0.61	0.00	160.00	0.00	1.41	0.00	36802.00	6.34	0.00	0.00	36795.65
351+00	35100.00	50.00	81.14	0.00	0.13	0.00	151.74	0.00	0.69	0.00	36953.74	7.17	0.00	0.00	36946.57
351+50	35150.00	50.00	86.21	0.00	0.00	0.00	154.95	0.00	0.12	0.00	37108.69	7.31	0.00	0.00	37101.38
352+00	35200.00	50.00	92.16	0.00	0.00	0.00	165.16	0.00	0.00	0.00	37273.85	7.31	0.00	0.00	37266.54
352+50	35250.00	50.00	101.67	0.00	0.00	0.00	179.47	0.00	0.00	0.00	37453.32	7.31	0.00	0.00	37446.01
353+00	35300.00	50.00	110.30	0.00	0.00	0.00	196.27	0.00	0.00	0.00	37649.59	7.31	0.00	0.00	37642.28
353+31 BK	35331.33	31.33	115.10	0.00	0.00	0.00	130.77	0.00	0.00	0.00	37780.36	7.31	0.00	0.00	37773.05
		Column totals					46392.97	0.00	6.62	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 USH 45 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
333+42 AH	33342.18	0.00	0.00	0.00	181.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
333+50	33350.00	7.82	0.00	0.00	245.66	0.00	0.00	0.00	61.87	0.00	0.00	74.25	0.00	0.00	-74.25
333+85	33385.09	35.09	0.00	0.00	375.48	0.00	0.00	0.00	403.63	0.00	0.00	558.60	0.00	0.00	-558.60
333+85	33385.09	0.00	44.95	0.00	374.74	0.00	0.00	0.00	0.00	0.00	0.00	558.60	0.00	0.00	-558.60
334+00	33400.00	14.91	44.94	0.00	-11.15	0.00	24.82	0.00	100.39	0.00	24.82	679.07	0.00	0.00	-654.25
334+50	33450.00	50.00	47.32	0.00	68.36	0.00	85.43	0.00	52.97	0.00	110.25	742.63	0.00	0.00	-632.39
335+00	33500.00	50.00	44.82	0.00	150.02	0.00	85.31	0.00	202.20	0.00	195.56	985.28	0.00	0.00	-789.72
335+02	33501.53	1.53	44.81	0.00	152.04	0.00	2.54	0.00	8.56	0.00	198.10	995.55	0.00	0.00	-797.45
335+02	33501.53	0.00	0.00	0.00	151.99	0.00	0.00	0.00	0.00	0.00	198.10	995.55	0.00	0.00	-797.45
335+31 BK	33531.33	29.80	2.13	0.00	0.62	0.00	1.18	0.00	28.07	0.00	199.28	1029.24	0.00	0.00	-829.96
		Column totals					199.28	0.00	857.70	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
88+00 AH	8800.00	0.00	108.32	0.00	15.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88+50	8850.00	50.00	102.61	0.00	14.61	0.00	195.31	0.00	27.79	0.00	195.31	33.34	0.00	0.00	161.96
89+00	8900.00	50.00	100.04	0.00	14.67	0.00	187.64	0.00	27.11	0.00	382.94	65.88	0.00	0.00	317.07
89+50	8950.00	50.00	94.58	0.00	14.67	0.00	180.20	0.00	27.17	0.00	563.15	98.48	0.00	0.00	464.67
90+00	9000.00	50.00	90.13	0.00	14.67	0.00	171.03	0.00	27.17	0.00	734.18	131.08	0.00	0.00	603.10
90+50	9050.00	50.00	86.27	0.00	14.67	0.00	163.33	0.00	27.17	0.00	897.51	163.68	0.00	0.00	733.83
91+00	9100.00	50.00	74.53	0.00	14.67	0.00	148.89	0.00	27.17	0.00	1046.40	196.28	0.00	0.00	850.12
91+50	9150.00	50.00	65.93	0.00	14.66	0.00	130.06	0.00	27.16	0.00	1176.45	228.87	0.00	0.00	947.59
92+00	9200.00	50.00	55.77	0.00	14.67	0.00	112.69	0.00	27.16	0.00	1289.14	261.46	0.00	0.00	1027.68
92+50	9250.00	50.00	44.04	0.00	14.67	0.00	92.42	0.00	27.17	0.00	1381.56	294.06	0.00	0.00	1087.50
93+00	9300.00	50.00	30.05	0.00	14.67	0.00	68.60	0.00	27.17	0.00	1450.16	326.66	0.00	0.00	1123.50
93+50	9350.00	50.00	19.39	0.00	14.67	0.00	45.78	0.00	27.17	0.00	1495.94	359.26	0.00	0.00	1136.68
94+00	9400.00	50.00	8.83	0.00	28.97	0.00	26.13	0.00	40.41	0.00	1522.06	407.74	0.00	0.00	1114.32
94+50	9450.00	50.00	0.75	0.00	30.76	0.00	8.87	0.00	55.31	0.00	1530.94	474.11	0.00	0.00	1056.82
95+00	9500.00	50.00	0.00	0.00	43.85	0.00	0.69	0.00	69.08	0.00	1531.63	557.01	0.00	0.00	974.62
95+50	9550.00	50.00	0.00	0.00	59.23	0.00	0.00	0.00	95.44	0.00	1531.63	671.54	0.00	0.00	860.09
96+00	9600.00	50.00	0.00	0.00	72.31	0.00	0.00	0.00	121.80	0.00	1531.63	817.70	0.00	0.00	713.93
96+50	9650.00	50.00	0.00	0.00	77.44	0.00	0.00	0.00	138.66	0.00	1531.63	984.09	0.00	0.00	547.54
97+00	9700.00	50.00	0.00	0.00	90.97	0.00	0.00	0.00	155.94	0.00	1531.63	1171.21	0.00	0.00	360.42
97+50	9750.00	50.00	0.00	0.00	97.47	0.00	0.00	0.00	174.48	0.00	1531.63	1380.59	0.00	0.00	151.04
98+00	9800.00	50.00	0.00	0.00	90.94	0.00	0.00	0.00	174.45	0.00	1531.63	1589.93	0.00	0.00	-58.30
98+50	9850.00	50.00	0.00	0.00	95.11	0.00	0.00	0.00	172.27	0.00	1531.63	1796.66	0.00	0.00	-265.03
99+00	9900.00	50.00	0.00	0.00	206.82	0.00	0.00	0.00	279.56	0.00	1531.63	2132.13	0.00	0.00	-600.50
99+40	9940.14	40.14	0.00	0.00	441.98	0.00	0.00	0.00	482.27	0.00	1531.63	2710.86	0.00	0.00	-1179.23
99+45	9945.46	5.32	0.00	0.00	736.68	0.00	0.00	0.00	116.12	0.00	1531.63	2850.21	0.00	0.00	-1318.58
99+86 BK	9985.92	40.46	0.00	0.00	0.00	0.00	0.00	0.00	551.96	0.00	1531.63	3512.56	0.00	0.00	-1980.93

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
101+91 AH	10190.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+17	10216.65	25.73	0.00	0.00	431.09	0.00	0.00	0.00	205.41	0.00	0.00	246.49	0.00	0.00	-246.49
102+22	10221.98	5.33	0.00	0.00	154.80	0.00	0.00	0.00	57.83	0.00	0.00	315.88	0.00	0.00	-315.88
102+50	10250.00	28.02	0.00	0.00	158.94	0.00	0.00	0.00	162.80	0.00	0.00	511.24	0.00	0.00	-511.24
103+00	10300.00	50.00	0.00	0.00	125.78	0.00	0.00	0.00	263.63	0.00	0.00	827.59	0.00	0.00	-827.59
103+50	10350.00	50.00	0.00	0.00	272.85	0.00	0.00	0.00	369.10	0.00	0.00	1270.52	0.00	0.00	-1270.52
104+00	10400.00	50.00	0.00	0.00	152.36	0.00	0.00	0.00	393.71	0.00	0.00	1742.97	0.00	0.00	-1742.97
104+50	10450.00	50.00	0.00	0.00	150.85	0.00	0.00	0.00	280.75	0.00	0.00	2079.87	0.00	0.00	-2079.87
105+00	10500.00	50.00	0.00	0.00	122.89	0.00	0.00	0.00	253.46	0.00	0.00	2384.03	0.00	0.00	-2384.03
105+50	10550.00	50.00	0.00	0.00	101.11	0.00	0.00	0.00	207.41	0.00	0.00	2632.92	0.00	0.00	-2632.92
106+00	10600.00	50.00	0.00	0.00	78.91	0.00	0.00	0.00	166.69	0.00	0.00	2832.94	0.00	0.00	-2832.94
106+50	10650.00	50.00	0.00	0.00	54.33	0.00	0.00	0.00	123.37	0.00	0.00	2980.98	0.00	0.00	-2980.98
107+00	10700.00	50.00	0.00	0.00	31.15	0.00	0.00	0.00	79.15	0.00	0.00	3075.96	0.00	0.00	-3075.96
107+50	10750.00	50.00	4.31	0.00	10.82	0.00	3.99	0.00	38.86	0.00	3.99	3122.59	0.00	0.00	-3118.60
108+00	10800.00	50.00	18.48	0.00	9.64	0.00	21.10	0.00	18.94	0.00	25.09	3145.33	0.00	0.00	-3120.23
108+50	10850.00	50.00	25.88	0.00	7.96	0.00	41.07	0.00	16.30	0.00	66.17	3164.88	0.00	0.00	-3098.72
109+00	10900.00	50.00	35.32	0.00	5.61	0.00	56.67	0.00	12.56	0.00	122.83	3179.96	0.00	0.00	-3057.13
109+50	10950.00	50.00	36.25	0.00	6.00	0.00	66.27	0.00	10.75	0.00	189.10	3192.86	0.00	0.00	-3003.76
110+00	11000.00	50.00	16.02	0.00	8.71	0.00	48.40	0.00	13.62	0.00	237.50	3209.21	0.00	0.00	-2971.71
110+50	11050.00	50.00	0.02	0.00	25.33	0.00	14.85	0.00	31.52	0.00	252.35	3247.03	0.00	0.00	-2994.68
111+00	11100.00	50.00	0.00	0.00	59.07	0.00	0.02	0.00	78.15	0.00	252.37	3340.81	0.00	0.00	-3088.43
111+45	11144.67	44.67	0.00	0.00	357.14	0.00	0.00	0.00	344.30	0.00	252.37	3753.96	0.00	0.00	-3501.59
111+77 BK	11177.18	32.51	0.00	0.00	0.00	0.00	0.00	0.00	215.01	0.00	252.37	4011.98	0.00	0.00	-3759.61

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
112+73 AH	11273.43	0.00	0.00	0.00	428.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113+00	11300.00	26.57	0.00	0.00	261.63	0.00	0.00	0.00	339.62	0.00	0.00	407.55	0.00	0.00	-407.55
113+50	11350.00	50.00	0.00	0.00	205.87	0.00	0.00	0.00	432.87	0.00	0.00	926.99	0.00	0.00	-926.99
114+00	11400.00	50.00	0.00	0.00	-96.54	0.00	0.00	0.00	101.23	0.00	0.00	1048.47	0.00	0.00	-1048.47
114+50	11450.00	50.00	0.00	0.00	292.05	0.00	0.00	0.00	181.03	0.00	0.00	1265.70	0.00	0.00	-1265.70
115+00	11500.00	50.00	0.00	0.00	355.81	0.00	0.00	0.00	599.87	0.00	0.00	1985.55	0.00	0.00	-1985.55
115+50	11550.00	50.00	0.00	0.00	398.44	0.00	0.00	0.00	698.38	0.00	0.00	2823.60	0.00	0.00	-2823.60
116+00	11600.00	50.00	0.00	0.00	410.46	0.00	0.00	0.00	748.98	0.00	0.00	3722.38	0.00	0.00	-3722.38
116+50	11650.00	50.00	0.00	0.00	418.42	0.00	0.00	0.00	767.48	0.00	0.00	4643.36	0.00	0.00	-4643.36
117+00	11700.00	50.00	0.00	0.00	582.22	0.00	0.00	0.00	926.52	0.00	0.00	5755.18	0.00	0.00	-5755.18
117+00	11700.00	0.00	0.00	0.00	582.21	0.00	0.00	0.00	0.00	0.00	0.00	5755.18	0.00	0.00	-5755.18
117+50	11750.00	50.00	0.00	0.00	568.95	0.00	0.00	0.00	1065.89	0.00	0.00	7034.25	0.00	0.00	-7034.25
118+00	11800.00	50.00	0.00	0.00	530.70	0.00	0.00	0.00	1018.19	0.00	0.00	8256.08	0.00	0.00	-8256.08
118+50	11850.00	50.00	0.00	0.00	515.14	0.00	0.00	0.00	968.37	0.00	0.00	9418.13	0.00	0.00	-9418.13
119+00	11900.00	50.00	0.00	0.00	528.40	0.00	0.00	0.00	966.24	0.00	0.00	10577.62	0.00	0.00	-10577.62
119+50	11950.00	50.00	0.00	0.00	554.26	0.00	0.00	0.00	1002.46	0.00	0.00	11780.57	0.00	0.00	-11780.57
120+00	12000.00	50.00	0.06	0.00	560.97	0.00	0.06	0.00	1032.62	0.00	0.06	13019.72	0.00	0.00	-13019.66
120+50	12050.00	50.00	1.06	0.00	595.26	0.00	1.04	0.00	1070.58	0.00	1.09	14304.42	0.00	0.00	-14303.32
121+00	12100.00	50.00	1.08	0.00	638.82	0.00	1.98	0.00	1142.67	0.00	3.07	15675.62	0.00	0.00	-15672.54
121+50	12150.00	50.00	0.29	0.00	658.94	0.00	1.27	0.00	1201.63	0.00	4.34	17117.57	0.00	0.00	-17113.23
122+00	12200.00	50.00	0.08	0.00	676.82	0.00	0.34	0.00	1236.81	0.00	4.69	18601.75	0.00	0.00	-18597.06
122+50	12250.00	50.00	0.00	0.00	661.37	0.00	0.07	0.00	1239.06	0.00	4.76	20088.63	0.00	0.00	-20083.87
123+00	12300.00	50.00	0.00	0.00	638.22	0.00	0.00	0.00	1203.32	0.00	4.76	21532.62	0.00	0.00	-21527.86
123+50	12350.00	50.00	0.01	0.00	617.63	0.00	0.01	0.00	1162.82	0.00	4.77	22928.00	0.00	0.00	-22923.24
123+50	12350.34	0.34	0.01	0.00	618.07	0.00	0.00	0.00	7.78	0.00	4.77	22937.34	0.00	0.00	-22932.57

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
123+50	12350.34	0.00	0.01	0.00	618.07	0.00	0.00	0.00	0.00	0.00	4.77	22937.34	0.00	0.00	-22932.57
124+00	12400.00	49.66	2.12	0.00	575.46	0.00	1.96	0.00	1097.61	0.00	6.73	24254.47	0.00	0.00	-24247.74
124+50	12450.00	50.00	0.00	0.00	610.38	0.00	1.96	0.00	1098.00	0.00	8.69	25572.07	0.00	0.00	-25563.38
125+00	12500.00	50.00	1.75	0.00	641.60	0.00	1.62	0.00	1159.24	0.00	10.31	26963.16	0.00	0.00	-26952.85
125+50	12550.00	50.00	1.82	0.00	633.34	0.00	3.31	0.00	1180.50	0.00	13.62	28379.76	0.00	0.00	-28366.14
126+00	12600.00	50.00	0.00	0.00	609.63	0.00	1.69	0.00	1150.90	0.00	15.30	29760.83	0.00	0.00	-29745.53
126+50	12650.00	50.00	0.00	0.00	605.92	0.00	0.00	0.00	1125.51	0.00	15.30	31111.44	0.00	0.00	-31096.14
126+86	12685.83	35.83	0.00	0.00	648.57	0.00	0.00	0.00	832.38	0.00	15.30	32110.30	0.00	0.00	-32095.00
128+66	12865.50	179.67	1.24	0.00	906.30	0.00	4.13	0.00	5173.40	0.00	19.43	38318.38	0.00	0.00	-38298.95
129+11 BK	12910.83	45.33	0.00	0.00	0.00	1.00	1.04	0.00	760.79	0.00	20.47	39231.32	0.00	0.00	-39210.85
130+07 AH	13007.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132+30	13230.43	223.39	0.00	0.00	1439.17	0.00	0.00	0.00	5953.63	0.00	0.00	7144.36	0.00	0.00	-7144.36
132+50	13250.00	19.57	0.00	0.00	1657.93	0.00	0.00	0.00	1122.41	0.00	0.00	8491.25	0.00	0.00	-8491.25
133+00	13300.00	50.00	0.00	0.00	1923.16	0.00	0.00	0.00	3315.82	0.00	0.00	12470.24	0.00	0.00	-12470.24
133+50	13350.00	50.00	0.00	0.00	1976.12	0.00	0.00	0.00	3610.44	0.00	0.00	16802.78	0.00	0.00	-16802.78
133+89	13388.57	38.57	0.00	0.00	1973.29	0.00	0.00	0.00	2820.90	0.00	0.00	20187.86	0.00	0.00	-20187.86
133+89	13388.57	0.00	0.00	0.00	576.06	0.00	0.00	0.00	0.00	0.00	0.00	20187.86	0.00	0.00	-20187.86
134+00	13400.00	11.43	0.00	0.00	578.51	0.00	0.00	0.00	244.38	0.00	0.00	20481.12	0.00	0.00	-20481.12
134+50	13450.00	50.00	0.00	0.00	602.85	0.00	0.00	0.00	1093.85	0.00	0.00	21793.74	0.00	0.00	-21793.74
135+00	13500.00	50.00	0.00	0.00	616.71	0.00	0.00	0.00	1129.22	0.00	0.00	23148.81	0.00	0.00	-23148.81
135+50	13550.00	50.00	0.00	0.00	542.43	0.00	0.00	0.00	1073.28	0.00	0.00	24436.74	0.00	0.00	-24436.74
136+00	13600.00	50.00	0.00	0.00	434.50	0.00	0.00	0.00	904.56	0.00	0.00	25522.22	0.00	0.00	-25522.22
136+50	13650.00	50.00	0.00	0.00	309.03	0.00	0.00	0.00	688.45	0.00	0.00	26348.36	0.00	0.00	-26348.36
136+53	13652.65	2.65	0.00	0.00	530.76	0.00	0.00	0.00	41.21	0.00	0.00	26397.82	0.00	0.00	-26397.82
137+00	13700.00	47.35	0.00	0.00	430.15	0.00	0.00	0.00	742.37	0.00	0.00	27239.20	0.00	0.00	-27239.20

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3	Cumulative Vol (CY) Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
137+50	13750.00	50.00	0.00	0.00	299.94	0.00	0.00	0.00	676.01	0.00	0.00	28050.42	0.00	0.00	-28050.42
138+00	13800.00	50.00	0.00	0.00	156.04	0.00	0.00	0.00	422.20	0.00	0.00	28557.06	0.00	0.00	-28557.06
138+50	13850.00	50.00	15.39	0.00	115.13	0.00	14.25	0.00	251.08	0.00	14.25	28858.36	0.00	0.00	-28844.11
139+00	13900.00	50.00	15.66	0.00	101.38	0.00	28.75	0.00	200.47	0.00	43.00	29098.93	0.00	0.00	-29055.93
139+50	13950.00	50.00	7.11	0.00	76.37	0.00	21.08	0.00	164.58	0.00	64.08	29296.43	0.00	0.00	-29232.34
140+00	14000.00	50.00	29.28	0.00	50.86	0.00	33.69	0.00	117.81	0.00	97.78	29437.79	0.00	0.00	-29340.02
140+50	14050.00	50.00	55.29	0.00	63.30	0.00	78.31	0.00	105.70	0.00	176.08	29564.64	0.00	0.00	-29388.55
140+93	14092.87	42.87	61.90	0.00	3.35	0.00	93.04	0.00	52.91	0.00	269.12	29628.13	0.00	0.00	-29359.01
140+93	14092.87	0.00	11.01	0.00	3.36	0.00	0.00	0.00	0.00	0.00	269.12	29628.13	0.00	0.00	-29359.01
141+00	14100.00	7.13	9.14	0.00	4.30	0.00	2.66	0.00	1.01	0.00	271.78	29629.35	0.00	0.00	-29357.57
141+50	14150.00	50.00	3.18	0.00	13.31	0.00	11.41	0.00	16.31	0.00	283.19	29648.91	0.00	0.00	-29365.73
142+00	14200.00	50.00	0.05	0.00	18.94	0.00	2.99	0.00	29.86	0.00	286.18	29684.75	0.00	0.00	-29398.57
142+50	14250.00	50.00	0.00	0.00	21.10	0.00	0.05	0.00	37.07	0.00	286.22	29729.24	0.00	0.00	-29443.01
143+00 BK	14300.00	50.00	0.00	0.00	11.15	0.00	0.00	0.00	29.86	0.00	286.22	29765.07	0.00	0.00	-29478.84
					Column totals		2601.63	0.00	63530.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
180+00 AH	18000.00	0.00	93.83	0.00	191.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180+50	18050.00	50.00	45.54	0.00	203.46	0.00	129.05	0.00	366.09	0.00	129.05	439.31	0.00	0.00	-310.26
181+00	18100.00	50.00	10.65	0.00	190.40	0.00	52.03	0.00	364.69	0.00	181.07	876.93	0.00	0.00	-695.86
181+50	18150.00	50.00	2.12	0.00	162.15	0.00	11.82	0.00	326.44	0.00	192.90	1268.66	0.00	0.00	-1075.76
182+00	18200.00	50.00	4.98	0.00	134.85	0.00	6.57	0.00	275.00	0.00	199.47	1598.66	0.00	0.00	-1399.18
182+50	18250.00	50.00	9.45	0.00	117.80	0.00	13.36	0.00	233.94	0.00	212.83	1879.38	0.00	0.00	-1666.54
183+00	18300.00	50.00	15.72	0.00	103.11	0.00	23.31	0.00	204.55	0.00	236.14	2124.83	0.00	0.00	-1888.69
183+50	18350.00	50.00	23.89	0.00	93.74	0.00	36.68	0.00	182.27	0.00	272.81	2343.56	0.00	0.00	-2070.74
184+00	18400.00	50.00	27.68	0.00	70.07	0.00	47.75	0.00	151.68	0.00	320.56	2525.57	0.00	0.00	-2205.00
184+50	18450.00	50.00	36.39	0.00	22.49	0.00	59.32	0.00	85.70	0.00	379.89	2628.41	0.00	0.00	-2248.52
185+00	18500.00	50.00	86.34	0.00	0.00	0.00	113.64	0.00	20.82	0.00	493.53	2653.40	0.00	0.00	-2159.87
185+50	18550.00	50.00	160.14	0.00	0.00	0.00	228.22	0.00	0.00	0.00	721.75	2653.40	0.00	0.00	-1931.65
186+00	18600.00	50.00	806.50	0.00	4.14	0.00	895.04	0.00	3.83	0.00	1616.79	2658.00	0.00	0.00	-1041.21
186+50	18650.00	50.00	2267.67	0.00	7.27	0.00	2846.45	0.00	10.56	0.00	4463.24	2670.68	0.00	0.00	1792.56
187+00	18700.00	50.00	1886.98	0.00	160.01	0.00	3846.90	0.00	154.89	0.00	8310.14	2856.54	0.00	0.00	5453.59
187+50	18750.00	50.00	1531.08	0.00	14.57	0.00	3164.87	0.00	161.65	0.00	11475.01	3050.52	0.00	0.00	8424.49
188+00	18800.00	50.00	1387.17	0.00	49.75	0.00	2702.08	0.00	59.56	0.00	14177.09	3121.99	0.00	0.00	11055.10
188+50	18850.00	50.00	427.87	0.00	7.94	0.00	1680.59	0.00	53.42	0.00	15857.69	3186.09	0.00	0.00	12671.60
189+00	18900.00	50.00	241.85	0.00	4.14	0.00	620.11	0.00	11.19	0.00	16477.80	3199.51	0.00	0.00	13278.29
189+50	18950.00	50.00	377.29	0.00	346.40	0.00	573.28	0.00	324.57	0.00	17051.07	3589.00	0.00	0.00	13462.07
189+79	18979.08	29.08	475.38	0.00	444.46	0.00	459.18	0.00	425.89	0.00	17510.25	4100.07	0.00	0.00	13410.18
189+79	18979.08	0.00	131.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17510.25	4100.07	0.00	0.00	13410.18
190+00	19000.00	20.92	129.15	0.00	0.00	0.00	101.06	0.00	0.00	0.00	17611.31	4100.07	0.00	0.00	13511.24
190+50	19050.00	50.00	543.03	0.00	0.00	0.00	622.39	0.00	0.00	0.00	18233.70	4100.07	0.00	0.00	14133.63
191+00	19100.00	50.00	969.03	0.00	0.00	0.00	1400.06	0.00	0.00	0.00	19633.75	4100.07	0.00	0.00	15533.68
191+50	19150.00	50.00	817.85	0.00	0.00	0.00	1654.52	0.00	0.00	0.00	21288.27	4100.07	0.00	0.00	17188.20
192+00 BK	19200.00	50.00	876.01	0.00	0.00	0.00	1568.39	0.00	0.00	0.00	22856.66	4100.07	0.00	0.00	18756.59
		Column totals					22856.66	0.00	3416.73	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
185+00 AH	18500.00	0.00	404.65	0.00	649.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185+50	18550.00	50.00	160.47	0.00	1397.32	0.00	523.26	0.00	1895.56	0.00	523.26	2274.68	0.00	0.00	-1751.42
186+00	18600.00	50.00	0.02	0.00	1432.39	0.00	148.60	0.00	2620.10	0.00	671.86	5418.80	0.00	0.00	-4746.94
186+50	18650.00	50.00	289.31	0.00	1088.44	0.00	267.90	0.00	2334.10	0.00	939.76	8219.72	0.00	0.00	-7279.96
187+00	18700.00	50.00	1347.75	0.00	803.95	0.00	1515.80	0.00	1752.21	0.00	2455.56	10322.38	0.00	0.00	-7866.82
187+50	18750.00	50.00	1869.17	0.00	89.52	0.00	2978.63	0.00	827.29	0.00	5434.19	11315.12	0.00	0.00	-5880.94
188+00	18800.00	50.00	1620.18	0.00	0.00	0.00	3230.88	0.00	82.89	0.00	8665.06	11414.59	0.00	0.00	-2749.52
188+50	18850.00	50.00	1287.33	0.00	0.00	0.00	2692.14	0.00	0.00	0.00	11357.20	11414.59	0.00	0.00	-57.39
189+00	18900.00	50.00	505.47	0.00	4.05	0.00	1660.00	0.00	3.75	0.00	13017.20	11419.09	0.00	0.00	1598.11
189+50	18950.00	50.00	232.85	0.00	12.56	0.00	683.63	0.00	15.38	0.00	13700.83	11437.54	0.00	0.00	2263.29
189+59	18958.50	8.50	219.74	0.00	12.60	0.00	71.24	0.00	3.96	0.00	13772.07	11442.30	0.00	0.00	2329.78
189+59	18958.50	0.00	126.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13772.07	11442.30	0.00	0.00	2329.78
190+00	19000.00	41.50	134.09	0.00	0.00	0.00	199.96	0.00	0.00	0.00	13972.04	11442.30	0.00	0.00	2529.74
190+50	19050.00	50.00	147.60	0.00	0.00	0.00	260.82	0.00	0.00	0.00	14232.86	11442.30	0.00	0.00	2790.56
191+00	19100.00	50.00	523.74	0.00	0.00	0.00	621.61	0.00	0.00	0.00	14854.47	11442.30	0.00	0.00	3412.17
191+50	19150.00	50.00	636.92	0.00	0.00	0.00	1074.69	0.00	0.00	0.00	15929.16	11442.30	0.00	0.00	4486.86
191+50	19150.00	0.00	855.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15929.16	11442.30	0.00	0.00	4486.86
192+00	19200.00	50.00	849.31	0.00	0.00	0.00	1578.65	0.00	0.00	0.00	17507.80	11442.30	0.00	0.00	6065.51
192+50	19250.00	50.00	777.07	0.00	0.00	0.00	1505.91	0.00	0.00	0.00	19013.71	11442.30	0.00	0.00	7571.41
193+00 BK	19300.00	50.00	941.02	0.00	0.00	0.00	1590.82	0.00	0.00	0.00	20604.54	11442.30	0.00	0.00	9162.24
					Column totals		20604.54	0.00	9535.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
540+89 AH	54088.87	0.00	86.73	0.00	47.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541+00	54100.00	11.13	84.62	0.00	56.89	0.00	35.32	0.00	21.44	0.00	35.32	25.73	0.00	0.00	9.59
541+50	54150.00	50.00	58.94	0.00	93.13	0.00	132.93	0.00	138.91	0.00	168.24	192.42	0.00	0.00	-24.18
542+00	54200.00	50.00	27.12	0.00	120.19	0.00	79.69	0.00	197.52	0.00	247.93	429.44	0.00	0.00	-181.51
542+50	54250.00	50.00	0.00	0.00	190.94	0.00	25.11	0.00	288.08	0.00	273.04	775.14	0.00	0.00	-502.10
543+00	54300.00	50.00	0.08	0.00	303.20	0.00	0.07	0.00	457.54	0.00	273.11	1324.19	0.00	0.00	-1051.07
543+50	54350.00	50.00	1.51	0.00	471.26	0.00	1.47	0.00	717.09	0.00	274.59	2184.70	0.00	0.00	-1910.11
544+00	54400.00	50.00	0.88	0.00	541.31	0.00	2.21	0.00	937.56	0.00	276.80	3309.77	0.00	0.00	-3032.98
544+50	54450.00	50.00	6.98	0.00	584.96	0.00	7.28	0.00	1042.84	0.00	284.08	4561.19	0.00	0.00	-4277.11
545+00	54500.00	50.00	17.95	0.00	528.04	0.00	23.08	0.00	1030.56	0.00	307.16	5797.85	0.00	0.00	-5490.69
545+08	54507.77	7.77	20.19	0.00	356.89	0.00	5.49	0.00	127.33	0.00	312.65	5950.65	0.00	0.00	-5638.00
545+08	54507.77	0.00	2.24	0.00	355.65	0.00	0.00	0.00	0.00	0.00	312.65	5950.65	0.00	0.00	-5638.00
545+50	54550.00	42.23	24.97	0.00	5.38	0.00	21.28	0.00	282.34	0.00	333.93	6289.46	0.00	0.00	-5955.53
546+00	54600.00	50.00	17.99	0.00	31.68	0.00	39.78	0.00	34.31	0.00	373.70	6330.63	0.00	0.00	-5956.93
546+50	54650.00	50.00	18.86	0.00	151.79	0.00	34.12	0.00	169.88	0.00	407.83	6534.49	0.00	0.00	-6126.67
547+00	54700.00	50.00	5.52	0.00	383.31	0.00	22.57	0.00	495.46	0.00	430.40	7129.05	0.00	0.00	-6698.65
547+50	54750.00	50.00	21.04	0.00	485.36	0.00	24.59	0.00	804.32	0.00	454.99	8094.23	0.00	0.00	-7639.24
548+00	54800.00	50.00	48.15	0.00	465.25	0.00	64.06	0.00	880.19	0.00	519.06	9150.47	0.00	0.00	-8631.41
548+50	54850.00	50.00	136.54	0.00	196.59	0.00	171.01	0.00	612.81	0.00	690.07	9885.85	0.00	0.00	-9195.78
549+00	54900.00	50.00	286.65	0.00	80.53	0.00	391.84	0.00	256.59	0.00	1081.91	10193.76	0.00	0.00	-9111.85
549+30	54930.42	30.42	246.15	0.00	128.98	0.00	300.14	0.00	118.02	0.00	1382.05	10335.39	0.00	0.00	-8953.33
549+30	54930.42	0.00	4.30	0.00	16.87	0.00	0.00	0.00	0.00	0.00	1382.05	10335.39	0.00	0.00	-8953.33
549+50	54950.00	19.58	11.36	0.00	5.51	0.00	5.68	0.00	8.11	0.00	1387.73	10345.12	0.00	0.00	-8957.39
549+80 BK	54980.42	30.42	31.59	0.00	0.01	0.00	24.20	0.00	3.11	0.00	1411.93	10348.85	0.00	0.00	-8936.93

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
550+80 AH	55080.42	0.00	0.00	0.00	267.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551+00	55100.00	19.58	0.00	0.00	240.01	0.00	0.00	0.00	184.12	0.00	0.00	220.95	0.00	0.00	-220.95
551+50	55150.00	50.00	0.00	0.00	173.65	0.00	0.00	0.00	383.02	0.00	0.00	680.57	0.00	0.00	-680.57
551+80	55180.42	30.42	0.00	0.00	128.76	0.00	0.00	0.00	170.36	0.00	0.00	885.00	0.00	0.00	-885.00
551+80	55180.42	0.00	0.00	0.00	163.97	0.00	0.00	0.00	0.00	0.00	0.00	885.00	0.00	0.00	-885.00
552+00	55200.00	19.58	0.00	0.00	110.49	0.00	0.00	0.00	99.52	0.00	0.00	1004.42	0.00	0.00	-1004.42
552+30	55230.42	30.42	0.00	0.00	98.40	0.00	0.00	0.00	117.67	0.00	0.00	1145.62	0.00	0.00	-1145.62
552+30	55230.42	0.00	5.29	0.00	111.80	0.00	0.00	0.00	0.00	0.00	0.00	1145.62	0.00	0.00	-1145.62
552+50	55250.00	19.58	2.76	0.00	89.94	0.00	2.92	0.00	73.16	0.00	2.92	1233.41	0.00	0.00	-1230.49
553+00	55300.00	50.00	0.78	0.00	46.81	0.00	3.28	0.00	126.62	0.00	6.20	1385.35	0.00	0.00	-1379.15
553+08	55307.58	7.58	0.71	0.00	40.10	0.00	0.21	0.00	12.20	0.00	6.41	1399.99	0.00	0.00	-1393.58
553+08	55307.58	0.00	0.65	0.00	31.21	0.00	0.00	0.00	0.00	0.00	6.41	1399.99	0.00	0.00	-1393.58
553+50	55350.00	42.42	1.02	0.00	29.05	0.00	1.31	0.00	47.34	0.00	7.72	1456.79	0.00	0.00	-1449.08
554+00	55400.00	50.00	1.28	0.00	27.77	0.00	2.13	0.00	52.61	0.00	9.85	1519.93	0.00	0.00	-1510.08
554+50	55450.00	50.00	1.36	0.00	27.31	0.00	2.44	0.00	51.00	0.00	12.29	1581.13	0.00	0.00	-1568.84
555+00	55500.00	50.00	1.44	0.00	26.80	0.00	2.59	0.00	50.10	0.00	14.88	1641.25	0.00	0.00	-1626.37
555+46	55546.04	46.04	1.52	0.00	26.33	0.00	2.52	0.00	45.30	0.00	17.41	1695.61	0.00	0.00	-1678.20

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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(CONTINUED)

Division 2 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
555+46	55546.04	0.00	2.43	0.00	35.74	0.00	0.00	0.00	0.00	0.00	17.41	1695.61	0.00	0.00	-1678.20
555+50	55550.00	3.96	2.22	0.00	36.15	0.00	0.34	0.00	5.27	0.00	17.75	1701.93	0.00	0.00	-1684.19
556+00	55600.00	50.00	1.66	0.00	38.01	0.00	3.59	0.00	68.67	0.00	21.34	1784.33	0.00	0.00	-1762.99
556+10	55610.25	10.25	1.68	0.00	37.82	0.00	0.63	0.00	14.39	0.00	21.98	1801.61	0.00	0.00	-1779.63
556+10	55610.25	0.00	0.04	0.00	24.58	0.00	0.00	0.00	0.00	0.00	21.98	1801.61	0.00	0.00	-1779.63
556+50	55650.00	50.00	1.74	0.00	37.02	0.00	1.65	0.00	57.04	0.00	23.62	1870.05	0.00	0.00	-1846.43
557+00	55700.00	50.00	1.88	0.00	36.08	0.00	3.35	0.00	67.69	0.00	26.98	1951.27	0.00	0.00	-1924.30
557+50	55750.00	50.00	2.05	0.00	35.10	0.00	3.64	0.00	65.91	0.00	30.61	2030.36	0.00	0.00	-1999.75
558+00	55800.00	50.00	2.24	0.00	34.11	0.00	3.97	0.00	64.08	0.00	34.59	2107.26	0.00	0.00	-2072.68
558+50	55850.00	50.00	2.45	0.00	33.15	0.00	4.34	0.00	62.28	0.00	38.93	2182.00	0.00	0.00	-2143.07
558+60	55860.00	10.00	0.37	0.00	21.09	0.00	0.52	0.00	10.04	0.00	39.45	2194.05	0.00	0.00	-2154.60
558+60	55860.00	0.00	2.48	0.00	33.01	0.00	0.00	0.00	0.00	0.00	39.45	2194.05	0.00	0.00	-2154.60
559+00	55900.00	40.00	2.60	0.00	32.39	0.00	3.76	0.00	48.44	0.00	43.21	2252.18	0.00	0.00	-2208.97
559+50	55950.00	50.00	2.75	0.00	31.29	0.00	4.95	0.00	58.96	0.00	48.17	2322.94	0.00	0.00	-2274.77
560+00	56000.00	50.00	2.44	0.00	31.40	0.00	4.81	0.00	58.05	0.00	52.97	2392.59	0.00	0.00	-2339.62
560+45	56044.51	44.51	0.50	0.00	43.95	0.00	2.42	0.00	62.11	0.00	55.40	2467.12	0.00	0.00	-2411.73
560+45	56044.51	0.00	0.50	0.00	34.13	0.00	0.00	0.00	0.00	0.00	55.40	2467.12	0.00	0.00	-2411.73
560+50	56050.00	5.49	0.32	0.00	46.61	0.00	0.08	0.00	8.21	0.00	55.48	2476.97	0.00	0.00	-2421.49
561+00	56100.00	50.00	0.00	0.00	82.23	0.00	0.30	0.00	119.30	0.00	55.78	2620.13	0.00	0.00	-2564.35
561+50	56150.00	50.00	0.00	0.00	162.23	0.00	0.00	0.00	226.35	0.00	55.78	2891.75	0.00	0.00	-2835.97
562+00	56200.00	50.00	0.00	0.00	365.31	0.00	0.00	0.00	488.46	0.00	55.78	3477.91	0.00	0.00	-3422.13
562+26	56225.98	25.98	0.00	0.00	433.99	0.00	0.00	0.00	384.55	0.00	55.78	3939.37	0.00	0.00	-3883.59
562+26	56225.98	0.00	0.00	0.00	336.01	0.00	0.00	0.00	0.00	0.00	55.78	3939.37	0.00	0.00	-3883.59
562+50	56250.00	24.02	0.00	0.00	105.53	0.00	0.00	0.00	196.40	0.00	55.78	4175.05	0.00	0.00	-4119.28
563+00	56300.00	50.00	0.00	0.00	130.66	0.00	0.00	0.00	218.69	0.00	55.78	4437.49	0.00	0.00	-4381.71
563+50	56350.00	50.00	0.00	0.00	163.33	0.00	0.00	0.00	272.21	0.00	55.78	4764.14	0.00	0.00	-4708.37

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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(CONTINUED)

Division 2 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
564+00	56400.00	50.00	0.00	0.00	204.23	0.00	0.00	0.00	340.33	0.00	55.78	5172.54	0.00	0.00	-5116.77
564+50	56450.00	50.00	0.00	0.00	257.45	0.00	0.00	0.00	427.48	0.00	55.78	5685.52	0.00	0.00	-5629.74
565+00	56500.00	50.00	0.00	0.00	314.62	0.00	0.00	0.00	529.69	0.00	55.78	6321.15	0.00	0.00	-6265.38
565+50	56550.00	50.00	0.00	0.00	367.36	0.00	0.00	0.00	631.46	0.00	55.78	7078.91	0.00	0.00	-7023.13
566+00	56600.00	50.00	0.00	0.00	407.14	0.00	0.00	0.00	717.13	0.00	55.78	7939.46	0.00	0.00	-7883.69
566+11	56610.98	10.98	0.00	0.00	414.45	0.00	0.00	0.00	167.06	0.00	55.78	8139.93	0.00	0.00	-8084.16
566+11	56610.98	0.00	0.00	0.00	208.61	0.00	0.00	0.00	0.00	0.00	55.78	8139.93	0.00	0.00	-8084.16
566+50	56650.00	39.02	0.00	0.00	100.17	0.00	0.00	0.00	223.12	0.00	55.78	8407.68	0.00	0.00	-8351.90
566+76	56675.98	25.98	0.00	0.00	133.75	0.00	0.00	0.00	112.54	0.00	55.78	8542.73	0.00	0.00	-8486.95
566+98 BK	56697.73	21.75	0.00	0.00	27.25	0.00	0.00	0.00	64.85	0.00	55.78	8620.55	0.00	0.00	-8564.77
588+68 AH	58868.46	0.00	0.00	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
589+00	58900.00	31.54	0.00	0.00	62.75	0.00	0.00	0.00	37.74	0.00	0.00	45.28	0.00	0.00	-45.28
589+07	58906.53	6.53	0.00	0.00	85.45	0.00	0.00	0.00	17.92	0.00	0.00	66.79	0.00	0.00	-66.79
589+50	58950.00	43.47	0.00	0.00	287.10	0.00	0.00	0.00	299.90	0.00	0.00	426.67	0.00	0.00	-426.67
590+00	59000.00	50.00	0.00	0.00	339.89	0.00	0.00	0.00	580.55	0.00	0.00	1123.33	0.00	0.00	-1123.33
590+50	59050.00	50.00	0.00	0.00	303.72	0.00	0.00	0.00	595.94	0.00	0.00	1838.45	0.00	0.00	-1838.45
591+00	59100.00	50.00	0.00	0.00	263.39	0.00	0.00	0.00	525.10	0.00	0.00	2468.57	0.00	0.00	-2468.57
591+27	59126.91	26.91	0.00	0.00	150.50	0.00	0.00	0.00	206.26	0.00	0.00	2716.08	0.00	0.00	-2716.08
591+29	59128.55	1.64	0.00	0.00	167.65	0.00	0.00	0.00	9.66	0.00	0.00	2727.67	0.00	0.00	-2727.67
591+47 BK	59146.83	18.28	0.00	0.00	560.90	0.00	0.00	0.00	246.63	0.00	0.00	3023.63	0.00	0.00	-3023.63
Column totals							1467.70	0.00	18327.52	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 RAMP CS

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
571+00 AH	57100.45	0.00	0.00	0.00	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
571+50	57150.00	49.55	0.00	0.00	18.84	0.00	0.00	0.00	26.11	0.00	0.00	31.33	0.00	0.00	-31.33
572+00	57200.00	50.00	0.00	0.00	25.84	0.00	0.00	0.00	41.37	0.00	0.00	80.97	0.00	0.00	-80.97
572+50	57250.00	50.00	0.00	0.00	31.56	0.00	0.00	0.00	53.15	0.00	0.00	144.75	0.00	0.00	-144.75
573+00	57300.00	50.00	0.00	0.00	37.29	0.00	0.00	0.00	63.75	0.00	0.00	221.25	0.00	0.00	-221.25
573+22	57322.00	22.00	0.00	0.00	40.74	0.00	0.00	0.00	31.79	0.00	0.00	259.40	0.00	0.00	-259.40
573+22	57322.00	0.00	0.00	0.00	48.89	0.00	0.00	0.00	0.00	0.00	0.00	259.40	0.00	0.00	-259.40
573+50	57350.00	28.00	0.00	0.00	53.76	0.00	0.00	0.00	53.23	0.00	0.00	323.27	0.00	0.00	-323.27
574+00	57400.00	50.00	0.00	0.00	64.62	0.00	0.00	0.00	109.61	0.00	0.00	454.80	0.00	0.00	-454.80
574+50	57450.00	50.00	0.00	0.00	77.39	0.00	0.00	0.00	131.49	0.00	0.00	612.59	0.00	0.00	-612.59
575+00 BK	57500.00	50.00	0.00	0.00	162.65	0.00	0.00	0.00	222.26	0.00	0.00	879.30	0.00	0.00	-879.30
		Column totals					0.00	0.00	732.75	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew26 PLOT SCALE : 1:1

Division 2 RAMP WN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
598+16 AH	59816.49	0.00	0.00	0.00	764.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598+50	59850.00	33.51	0.00	0.00	902.31	0.00	0.00	0.00	1034.57	0.00	0.00	1241.48	0.00	0.00	-1241.48
599+00	59900.00	50.00	0.00	0.00	418.48	0.00	0.00	0.00	1222.95	0.00	0.00	2709.02	0.00	0.00	-2709.02
599+50	59950.00	50.00	0.00	0.00	809.43	0.00	0.00	0.00	1136.95	0.00	0.00	4073.37	0.00	0.00	-4073.37
600+00	60000.00	50.00	0.00	0.00	853.48	0.00	0.00	0.00	1539.73	0.00	0.00	5921.05	0.00	0.00	-5921.05
600+50	60050.00	50.00	0.00	0.00	723.15	0.00	0.00	0.00	1459.84	0.00	0.00	7672.86	0.00	0.00	-7672.86
601+00	60100.00	50.00	0.00	0.00	533.30	0.00	0.00	0.00	1163.38	0.00	0.00	9068.91	0.00	0.00	-9068.91
601+50	60150.00	50.00	0.00	0.00	568.96	0.00	0.00	0.00	1020.61	0.00	0.00	10293.65	0.00	0.00	-10293.65
602+00	60200.00	50.00	0.00	0.00	343.59	0.00	0.00	0.00	844.95	0.00	0.00	11307.59	0.00	0.00	-11307.59
602+20	60220.15	20.15	0.00	0.00	300.96	0.00	0.00	0.00	240.51	0.00	0.00	11596.20	0.00	0.00	-11596.20
602+50	60250.00	29.85	37.93	0.00	417.03	0.00	20.97	0.00	396.89	0.00	20.97	12072.47	0.00	0.00	-12051.50
602+88	60287.52	37.52	72.57	0.00	326.32	0.00	76.78	0.00	516.49	0.00	97.74	12692.26	0.00	0.00	-12594.52
602+88	60287.52	0.00	72.58	0.00	378.29	0.00	0.00	0.00	0.00	0.00	97.74	12692.26	0.00	0.00	-12594.52
603+00	60300.00	12.48	77.09	0.00	352.16	0.00	34.59	0.00	168.82	0.00	132.33	12894.84	0.00	0.00	-12762.50
603+50	60350.00	50.00	81.12	0.00	261.87	0.00	146.49	0.00	568.55	0.00	278.83	13577.09	0.00	0.00	-13298.27
604+00	60400.00	50.00	92.00	0.00	98.23	0.00	160.30	0.00	333.43	0.00	439.12	13977.20	0.00	0.00	-13538.08
604+50	60450.00	50.00	170.25	0.00	1.05	0.00	242.82	0.00	91.93	0.00	681.95	14087.52	0.00	0.00	-13405.57
605+00	60500.00	50.00	262.49	0.00	0.00	0.00	400.69	0.00	0.97	0.00	1082.63	14088.68	0.00	0.00	-13006.05
605+50	60550.00	50.00	311.58	0.00	0.00	0.00	531.55	0.00	0.00	0.00	1614.18	14088.68	0.00	0.00	-12474.51
605+61 BK	60560.78	10.78	318.02	0.00	0.00	0.00	125.69	0.00	0.00	0.00	1739.86	14088.68	0.00	0.00	-12348.82
						Column totals	1739.86	0.00	11740.57	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
536+02 AH	53602.26	0.00	319.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
536+50	53650.00	47.74	448.15	0.00	0.00	0.00	678.32	0.00	0.00	0.00	678.32	0.00	0.00	0.00	678.32
537+00	53700.00	50.00	499.65	0.00	0.00	0.00	877.59	0.00	0.00	0.00	1555.92	0.00	0.00	0.00	1555.92
537+50	53750.00	50.00	471.24	0.00	0.00	0.00	898.97	0.00	0.00	0.00	2454.89	0.00	0.00	0.00	2454.89
538+00	53800.00	50.00	433.96	0.00	0.00	0.00	838.15	0.00	0.00	0.00	3293.04	0.00	0.00	0.00	3293.04
538+50	53850.00	50.00	413.42	0.00	0.00	0.00	784.61	0.00	0.00	0.00	4077.65	0.00	0.00	0.00	4077.65
538+65 BK	53864.81	14.81	415.11	0.00	0.00	0.00	227.23	0.00	0.00	0.00	4304.88	0.00	0.00	0.00	4304.88
		Column totals					4304.88	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 RAMP LA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
703+32 AH	70331.94	0.00	172.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703+50	70350.00	18.06	175.63	0.00	1.97	0.00	116.30	0.00	0.66	0.00	116.30	0.79	0.00	0.00	115.51
704+00	70400.00	50.00	84.27	0.00	45.78	0.00	240.65	0.00	44.21	0.00	356.95	53.85	0.00	0.00	303.10
704+50	70450.00	50.00	53.22	0.00	53.25	0.00	127.31	0.00	91.69	0.00	484.25	163.88	0.00	0.00	320.37
705+00	70500.00	50.00	13.98	0.00	93.42	0.00	62.22	0.00	135.81	0.00	546.48	326.85	0.00	0.00	219.63
705+50	70550.00	50.00	5.62	0.00	175.49	0.00	18.15	0.00	248.99	0.00	564.62	625.64	0.00	0.00	-61.01
706+00	70600.00	50.00	4.97	0.00	254.30	0.00	9.81	0.00	397.95	0.00	574.43	1103.18	0.00	0.00	-528.75
706+50	70650.00	50.00	1.64	0.00	322.69	0.00	6.12	0.00	534.25	0.00	580.55	1744.28	0.00	0.00	-1163.73
707+00	70700.00	50.00	2.62	0.00	547.34	0.00	3.94	0.00	805.58	0.00	584.49	2710.98	0.00	0.00	-2126.49
707+50	70750.00	50.00	3.47	0.00	479.43	0.00	5.64	0.00	950.71	0.00	590.13	3851.84	0.00	0.00	-3261.70
708+00	70800.00	50.00	3.04	0.00	350.79	0.00	6.03	0.00	768.72	0.00	596.16	4774.30	0.00	0.00	-4178.14
708+50	70850.00	50.00	0.66	0.00	210.02	0.00	3.43	0.00	519.27	0.00	599.59	5397.42	0.00	0.00	-4797.84
709+00	70900.00	50.00	1.03	0.00	134.08	0.00	1.56	0.00	318.61	0.00	601.15	5779.76	0.00	0.00	-5178.61
709+50	70950.00	50.00	19.61	0.00	42.95	0.00	19.11	0.00	163.92	0.00	620.26	5976.46	0.00	0.00	-5356.19
710+00	71000.00	50.00	101.09	0.00	29.32	0.00	111.76	0.00	66.92	0.00	732.02	6056.76	0.00	0.00	-5324.74
710+50	71050.00	50.00	255.67	0.00	27.35	0.00	330.33	0.00	52.47	0.00	1062.36	6119.72	0.00	0.00	-5057.37
711+00	71100.00	50.00	296.85	0.00	19.25	0.00	511.59	0.00	43.15	0.00	1573.95	6171.50	0.00	0.00	-4597.55
711+50	71150.00	50.00	338.65	0.00	19.07	0.00	588.43	0.00	35.48	0.00	2162.37	6214.08	0.00	0.00	-4051.71
712+00	71200.00	50.00	394.73	0.00	13.00	0.00	679.06	0.00	29.69	0.00	2841.43	6249.71	0.00	0.00	-3408.28
712+50	71250.00	50.00	429.47	0.00	5.84	0.00	763.15	0.00	17.44	0.00	3604.58	6270.65	0.00	0.00	-2666.07
713+00	71300.00	50.00	504.28	0.00	2.58	0.00	864.58	0.00	7.80	0.00	4469.16	6280.00	0.00	0.00	-1810.84
713+50	71350.00	50.00	497.65	0.00	0.00	0.00	927.71	0.00	2.39	0.00	5396.87	6282.87	0.00	0.00	-885.99
714+00	71400.00	50.00	475.87	0.00	0.23	0.00	901.41	0.00	0.21	0.00	6298.28	6283.12	0.00	0.00	15.16
714+45	71445.26	45.26	422.01	0.00	0.16	0.00	752.56	0.00	0.33	0.00	7050.84	6283.52	0.00	0.00	767.32

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP LA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
714+45	71445.00	0.00	469.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7050.84	6283.52	0.00	0.00	767.32
714+50	71450.00	5.00	463.75	0.00	0.00	0.00	86.40	0.00	0.00	0.00	7137.24	6283.52	0.00	0.00	853.73
715+00	71500.00	50.00	419.76	0.00	0.00	0.00	818.06	0.00	0.00	0.00	7955.31	6283.52	0.00	0.00	1671.79
715+50	71550.00	50.00	300.85	0.00	0.00	0.00	667.23	0.00	0.00	0.00	8622.54	6283.52	0.00	0.00	2339.02
716+00	71600.00	50.00	203.08	0.00	0.00	0.00	466.60	0.00	0.00	0.00	9089.14	6283.52	0.00	0.00	2805.62
716+50	71650.00	50.00	127.78	0.00	0.00	0.00	306.35	0.00	0.00	0.00	9395.49	6283.52	0.00	0.00	3111.98
717+00	71700.00	50.00	63.84	0.00	2.05	0.00	177.43	0.00	1.90	0.00	9572.92	6285.79	0.00	0.00	3287.12
717+50	71750.00	50.00	12.07	0.00	22.78	0.00	70.29	0.00	22.99	0.00	9643.20	6313.38	0.00	0.00	3329.82
717+90 BK	71790.34	40.34	0.00	0.00	70.63	0.00	9.02	0.00	69.78	0.00	9652.22	6397.12	0.00	0.00	3255.10
						Column totals	9652.22	0.00	5330.93	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP GA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
755+64 AH	75564.01	0.00	115.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
756+00	75600.00	35.99	127.92	0.00	1.85	0.00	162.25	0.00	1.23	0.00	162.25	1.48	0.00	0.00	160.77
756+50	75650.00	50.00	137.64	0.00	8.31	0.00	245.89	0.00	9.41	0.00	408.14	12.77	0.00	0.00	395.37
757+00	75700.00	50.00	132.70	0.00	7.98	0.00	250.31	0.00	15.08	0.00	658.45	30.87	0.00	0.00	627.58
757+50	75750.00	50.00	144.48	0.00	10.45	0.00	256.65	0.00	17.06	0.00	915.10	51.35	0.00	0.00	863.75
758+00	75800.00	50.00	167.53	0.00	13.19	0.00	288.90	0.00	21.89	0.00	1204.00	77.61	0.00	0.00	1126.39
758+50	75850.00	50.00	148.55	0.00	10.47	0.00	292.67	0.00	21.91	0.00	1496.66	103.90	0.00	0.00	1392.76
759+00	75900.00	50.00	193.44	0.00	12.83	0.00	316.66	0.00	21.57	0.00	1813.32	129.79	0.00	0.00	1683.53
759+50	75950.00	50.00	174.14	0.00	16.25	0.00	340.35	0.00	26.93	0.00	2153.67	162.10	0.00	0.00	1991.57
760+00	76000.00	50.00	95.61	0.00	19.29	0.00	249.77	0.00	32.91	0.00	2403.44	201.59	0.00	0.00	2201.85
760+50	76050.00	50.00	67.31	0.00	14.97	0.00	150.85	0.00	31.72	0.00	2554.29	239.66	0.00	0.00	2314.64
761+00	76100.00	50.00	42.31	0.00	6.42	0.00	101.50	0.00	19.81	0.00	2655.79	263.42	0.00	0.00	2392.37
761+00	76100.00	0.00	42.83	0.00	6.47	0.00	0.00	0.00	0.00	0.00	2655.79	263.42	0.00	0.00	2392.37
761+50	76150.00	50.00	56.55	0.00	13.69	0.00	92.02	0.00	18.67	0.00	2747.81	285.82	0.00	0.00	2461.99
762+00	76200.00	50.00	10.10	0.00	0.00	0.00	61.71	0.00	12.68	0.00	2809.53	301.04	0.00	0.00	2508.49
762+38 BK	76237.74	37.74	17.29	0.00	0.00	0.00	19.14	0.00	0.00	0.00	2828.67	301.04	0.00	0.00	2527.63
					Column totals		2828.67	0.00	250.86	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 RAMP GB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
740+36 AH	74036.31	0.00	142.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
740+50	74050.00	13.69	177.51	0.00	0.00	0.00	81.14	0.00	0.00	0.00	81.14	0.00	0.00	0.00	81.14
741+00	74100.00	50.00	337.76	0.00	0.00	0.00	477.10	0.00	0.00	0.00	558.24	0.00	0.00	0.00	558.24
741+50	74150.00	50.00	514.09	0.00	0.00	0.00	788.75	0.00	0.00	0.00	1346.99	0.00	0.00	0.00	1346.99
742+00	74200.00	50.00	693.84	0.00	0.00	0.00	1118.45	0.00	0.00	0.00	2465.45	0.00	0.00	0.00	2465.45
742+34	74234.15	34.15	800.81	0.00	0.00	0.00	945.23	0.00	0.00	0.00	3410.67	0.00	0.00	0.00	3410.67
742+34	74234.15	0.00	705.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3410.67	0.00	0.00	0.00	3410.67
742+50	74250.00	15.85	741.72	0.00	0.00	0.00	424.80	0.00	0.00	0.00	3835.47	0.00	0.00	0.00	3835.47
743+00	74300.00	50.00	834.35	0.00	0.00	0.00	1459.32	0.00	0.00	0.00	5294.80	0.00	0.00	0.00	5294.80
743+50	74350.00	50.00	738.03	0.00	6.60	0.00	1455.91	0.00	6.11	0.00	6750.70	7.33	0.00	0.00	6743.37
744+00	74400.00	50.00	453.42	0.00	12.96	0.00	1103.19	0.00	18.11	0.00	7853.90	29.07	0.00	0.00	7824.83
744+50	74450.00	50.00	51.34	0.00	13.11	0.00	467.37	0.00	24.14	0.00	8321.27	58.03	0.00	0.00	8263.23
745+00	74500.00	50.00	72.19	0.00	4.86	0.00	114.38	0.00	16.64	0.00	8435.65	78.00	0.00	0.00	8357.65
745+50	74550.00	50.00	74.64	0.00	4.04	0.00	135.95	0.00	8.24	0.00	8571.60	87.89	0.00	0.00	8483.71
746+00	74600.00	50.00	61.39	0.00	36.89	0.00	125.95	0.00	37.90	0.00	8697.56	133.37	0.00	0.00	8564.19
746+50	74650.00	50.00	121.42	0.00	38.84	0.00	169.27	0.00	70.12	0.00	8866.82	217.51	0.00	0.00	8649.31
747+00	74700.00	50.00	218.55	0.00	12.22	0.00	314.79	0.00	47.28	0.00	9181.61	274.24	0.00	0.00	8907.37
747+50	74750.00	50.00	423.03	0.00	0.00	0.00	594.06	0.00	11.31	0.00	9775.67	287.82	0.00	0.00	9487.84
748+00	74800.00	50.00	394.34	0.00	0.00	0.00	756.82	0.00	0.00	0.00	10532.49	287.82	0.00	0.00	10244.67
748+50	74850.00	50.00	260.43	0.00	6.00	0.00	606.27	0.00	5.56	0.00	11138.76	294.49	0.00	0.00	10844.27
749+00	74900.00	50.00	232.94	0.00	4.41	0.00	456.82	0.00	9.64	0.00	11595.58	306.06	0.00	0.00	11289.53
749+50	74950.00	50.00	178.94	0.00	8.87	0.00	381.37	0.00	12.30	0.00	11976.95	320.81	0.00	0.00	11656.14
750+00	75000.00	50.00	140.91	0.00	17.20	0.00	296.16	0.00	24.14	0.00	12273.11	349.78	0.00	0.00	11923.33

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP GB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
750+50	75050.00	50.00	186.65	0.00	0.00	0.00	303.30	0.00	15.93	0.00	12576.41	368.89	0.00	0.00	12207.52
751+00	75100.00	50.00	176.66	0.00	0.02	0.00	336.40	0.00	0.02	0.00	12912.81	368.91	0.00	0.00	12543.89
751+50	75150.00	50.00	135.13	0.00	0.32	0.00	288.69	0.00	0.31	0.00	13201.50	369.29	0.00	0.00	12832.21
752+00	75200.00	50.00	120.42	0.00	7.28	0.00	236.62	0.00	7.04	0.00	13438.12	377.73	0.00	0.00	13060.39
752+03 BK	75203.28	3.28	123.30	0.00	3.58	0.00	14.80	0.00	0.66	0.00	13452.92	378.52	0.00	0.00	13074.40
					Column totals		13452.92	0.00	315.44	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew33 PLOT SCALE : 1:1

Division 2 RAMP GE

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
761+86 AH	76185.67	0.00	55.67	0.00	13.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
762+00	76200.00	14.33	64.00	0.00	20.91	0.00	31.76	0.00	9.25	0.00	31.76	11.10	0.00	0.00	20.66
762+50	76250.00	50.00	66.82	0.00	15.60	0.00	121.13	0.00	33.81	0.00	152.89	51.66	0.00	0.00	101.22
763+00	76300.00	50.00	70.96	0.00	0.00	0.00	127.57	0.00	14.44	0.00	280.46	69.00	0.00	0.00	211.46
763+50	76350.00	50.00	75.40	0.00	0.00	0.00	135.52	0.00	0.00	0.00	415.98	69.00	0.00	0.00	346.98
764+00	76400.00	50.00	91.59	0.00	0.00	0.00	154.62	0.00	0.00	0.00	570.60	69.00	0.00	0.00	501.60
764+34	76434.00	34.00	108.45	0.00	0.00	0.00	125.95	0.00	0.00	0.00	696.55	69.00	0.00	0.00	627.55
764+34	76434.00	0.00	125.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	696.55	69.00	0.00	0.00	627.55
764+50	76450.00	16.00	122.04	0.00	0.00	0.00	73.21	0.00	0.00	0.00	769.76	69.00	0.00	0.00	700.76
765+00	76500.00	50.00	110.73	0.00	0.00	0.00	215.53	0.00	0.00	0.00	985.29	69.00	0.00	0.00	916.29
765+50	76550.00	50.00	79.30	0.00	0.00	0.00	175.95	0.00	0.00	0.00	1161.24	69.00	0.00	0.00	1092.25
766+00	76600.00	50.00	71.98	0.00	0.00	0.00	140.07	0.00	0.00	0.00	1301.32	69.00	0.00	0.00	1232.32
766+50	76650.00	50.00	67.10	0.00	0.00	0.00	128.78	0.00	0.00	0.00	1430.10	69.00	0.00	0.00	1361.10
767+00	76700.00	50.00	59.35	0.00	0.00	0.00	117.08	0.00	0.00	0.00	1547.18	69.00	0.00	0.00	1478.18
767+50	76750.00	50.00	51.47	0.00	0.01	0.00	102.61	0.00	0.01	0.00	1649.79	69.01	0.00	0.00	1580.78
768+00	76800.00	50.00	30.49	0.00	0.03	0.00	75.89	0.00	0.04	0.00	1725.68	69.05	0.00	0.00	1656.63
768+50	76850.00	50.00	9.16	0.00	2.30	0.00	36.71	0.00	2.16	0.00	1762.39	71.64	0.00	0.00	1690.75
769+00	76900.00	50.00	2.03	0.00	4.56	0.00	10.36	0.00	6.35	0.00	1772.75	79.26	0.00	0.00	1693.49
769+45 BK	76945.00	45.00	0.05	0.00	7.67	0.00	1.73	0.00	10.19	0.00	1774.49	91.49	0.00	0.00	1682.99
						Column totals	1774.49	0.00	76.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 BB TUNNEL

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
804+60 AH	80460.00	0.00	0.00	0.00	549.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
805+00	80500.00	40.00	0.00	0.00	614.00	0.00	0.00	0.00	861.48	0.00	0.00	1033.78	0.00	0.00	-1033.78
805+50	80550.00	50.00	0.00	0.00	607.00	0.00	0.00	0.00	1130.56	0.00	0.00	2390.44	0.00	0.00	-2390.44
806+00	80600.00	50.00	0.00	0.00	561.00	0.00	0.00	0.00	1081.48	0.00	0.00	3688.22	0.00	0.00	-3688.22
806+50	80650.00	50.00	0.00	0.00	567.00	0.00	0.00	0.00	1044.44	0.00	0.00	4941.56	0.00	0.00	-4941.56
806+95 BK	80695.00	45.00	0.00	0.00	594.00	0.00	0.00	0.00	967.50	0.00	0.00	6102.56	0.00	0.00	-6102.56
						Column totals	0.00	0.00	5085.46	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 RAMP SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
548+70 AH	54870.34	0.00	66.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549+00	54900.00	29.66	0.04	0.00	53.86	0.00	36.72	0.00	29.58	0.00	36.72	35.50	0.00	0.00	1.22
549+50	54950.00	50.00	0.00	0.00	83.53	0.00	0.04	0.00	127.21	0.00	36.76	188.16	0.00	0.00	-151.40
550+00	55000.00	50.00	0.00	0.00	128.04	0.00	0.00	0.00	195.90	0.00	36.76	423.23	0.00	0.00	-386.48
550+50	55050.00	50.00	0.00	0.00	97.77	0.00	0.00	0.00	209.08	0.00	36.76	674.13	0.00	0.00	-637.38
551+00	55100.00	50.00	1.06	0.00	67.42	0.00	0.98	0.00	152.95	0.00	37.74	857.68	0.00	0.00	-819.94
551+09	55109.05	9.05	1.64	0.00	62.97	0.00	0.45	0.00	21.85	0.00	38.19	883.90	0.00	0.00	-845.71
551+09	55109.05	0.00	1.71	0.00	38.01	0.00	0.00	0.00	0.00	0.00	38.19	883.90	0.00	0.00	-845.71
551+50	55150.00	40.95	4.98	0.00	32.77	0.00	5.07	0.00	53.67	0.00	43.26	948.31	0.00	0.00	-905.05
552+00	55200.00	50.00	6.74	0.00	32.59	0.00	10.85	0.00	60.52	0.00	54.11	1020.93	0.00	0.00	-966.82
552+50	55250.00	50.00	5.70	0.00	41.12	0.00	11.52	0.00	68.25	0.00	65.63	1102.83	0.00	0.00	-1037.20
553+00	55300.00	50.00	10.70	0.00	39.87	0.00	15.19	0.00	74.99	0.00	80.82	1192.82	0.00	0.00	-1112.00
553+50	55350.00	50.00	14.95	0.00	40.91	0.00	23.75	0.00	74.80	0.00	104.57	1282.58	0.00	0.00	-1178.01
554+00	55400.00	50.00	17.09	0.00	43.24	0.00	29.67	0.00	77.92	0.00	134.23	1376.08	0.00	0.00	-1241.84
554+50	55450.00	50.00	27.40	0.00	44.47	0.00	41.19	0.00	81.21	0.00	175.43	1473.53	0.00	0.00	-1298.10
555+00	55500.00	50.00	23.14	0.00	49.62	0.00	46.80	0.00	87.12	0.00	222.23	1578.08	0.00	0.00	-1355.85
555+50	55550.00	50.00	22.11	0.00	50.38	0.00	41.90	0.00	92.59	0.00	264.12	1689.19	0.00	0.00	-1425.06
556+00	55600.00	50.00	22.35	0.00	39.53	0.00	41.17	0.00	83.25	0.00	305.29	1789.09	0.00	0.00	-1483.80
556+50	55650.00	50.00	22.47	0.00	32.87	0.00	41.50	0.00	67.04	0.00	346.79	1869.53	0.00	0.00	-1522.74

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
557+00	55700.00	50.00	22.13	0.00	33.70	0.00	41.30	0.00	61.64	0.00	388.09	1943.50	0.00	0.00	-1555.41
557+50	55750.00	50.00	22.34	0.00	34.48	0.00	41.18	0.00	63.13	0.00	429.26	2019.25	0.00	0.00	-1589.99
558+00	55800.00	50.00	0.18	0.00	54.57	0.00	20.85	0.00	82.45	0.00	450.11	2118.20	0.00	0.00	-1668.08
558+50	55850.00	50.00	0.00	0.00	72.16	0.00	0.17	0.00	117.34	0.00	450.28	2259.01	0.00	0.00	-1808.73
559+00	55900.00	50.00	0.00	0.00	80.66	0.00	0.00	0.00	141.50	0.00	450.28	2428.81	0.00	0.00	-1978.53
559+50	55950.00	50.00	1.48	0.00	51.67	0.00	1.37	0.00	122.53	0.00	451.65	2575.84	0.00	0.00	-2124.19
560+00	56000.00	50.00	19.07	0.00	37.47	0.00	19.03	0.00	82.54	0.00	470.68	2674.89	0.00	0.00	-2204.21
560+50	56050.00	50.00	24.30	0.00	35.56	0.00	40.16	0.00	67.62	0.00	510.84	2756.03	0.00	0.00	-2245.20
561+00	56100.00	50.00	25.94	0.00	36.57	0.00	46.52	0.00	66.79	0.00	557.35	2836.18	0.00	0.00	-2278.82
561+50	56150.00	50.00	5.22	0.00	111.98	0.00	28.85	0.00	137.55	0.00	586.21	3001.23	0.00	0.00	-2415.03
562+00	56200.00	50.00	0.00	0.00	142.81	0.00	4.83	0.00	235.92	0.00	591.04	3284.33	0.00	0.00	-2693.29
562+50	56250.00	50.00	0.00	0.00	194.55	0.00	0.00	0.00	312.37	0.00	591.04	3659.18	0.00	0.00	-3068.14
563+00	56300.00	50.00	0.00	0.00	131.99	0.00	0.00	0.00	302.35	0.00	591.04	4022.00	0.00	0.00	-3430.96
563+50	56350.00	50.00	0.00	0.00	104.76	0.00	0.00	0.00	219.21	0.00	591.04	4285.05	0.00	0.00	-3694.01
564+00	56400.00	50.00	0.02	0.00	66.70	0.00	0.02	0.00	158.76	0.00	591.06	4475.57	0.00	0.00	-3884.51
564+50	56450.00	50.00	0.00	0.00	81.10	0.00	0.02	0.00	136.85	0.00	591.08	4639.79	0.00	0.00	-4048.71
565+00	56500.00	50.00	7.38	0.00	47.42	0.00	6.83	0.00	119.00	0.00	597.91	4782.59	0.00	0.00	-4184.68
565+50	56550.00	50.00	0.59	0.00	81.61	0.00	7.38	0.00	119.47	0.00	605.29	4925.95	0.00	0.00	-4320.66
566+00	56600.00	50.00	0.00	0.00	120.91	0.00	0.55	0.00	187.52	0.00	605.84	5150.98	0.00	0.00	-4545.14
566+13 BK	56612.52	12.52	0.03	0.00	128.25	0.00	0.01	0.00	57.77	0.00	605.84	5220.30	0.00	0.00	-4614.46
Column totals							605.84	0.00	4350.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP SC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
533+83 AH	53383.06	0.00	0	0.00	1396.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
534+00	53400.00	16.94	0	0.00	1399.08	0.00	0.00	0.00	876.90	0.00	0.00	1052.28	0.00	0.00	-1052.28
534+50	53450.00	50.00	0	0.00	1425.57	0.00	0.00	0.00	2615.42	0.00	0.00	4190.78	0.00	0.00	-4190.78
535+00	53500.00	50.00	0	0.00	1369.62	0.00	0.00	0.00	2588.14	0.00	0.00	7296.55	0.00	0.00	-7296.55
535+50	53550.00	50.00	0	0.00	1280.32	0.00	0.00	0.00	2453.65	0.00	0.00	10240.93	0.00	0.00	-10240.93
536+00	53600.00	50.00	0	0.00	1302.93	0.00	0.00	0.00	2391.90	0.00	0.00	13111.20	0.00	0.00	-13111.20
536+40	53639.91	39.91	0	0.00	1233.05	0.00	0.00	0.00	1874.28	0.00	0.00	15360.34	0.00	0.00	-15360.34
536+40	53639.91	0.00	0	0.00	1007.15	0.00	0.00	0.00	0.00	0.00	0.00	15360.34	0.00	0.00	-15360.34
536+50	53650.00	10.09	0	0.00	978.25	0.00	0.00	0.00	370.98	0.00	0.00	15805.51	0.00	0.00	-15805.51
537+00	53700.00	50.00	0	0.00	724.19	0.00	0.00	0.00	1576.33	0.00	0.00	17697.11	0.00	0.00	-17697.11
537+50	53750.00	50.00	0	0.00	469.52	0.00	0.00	0.00	1105.29	0.00	0.00	19023.45	0.00	0.00	-19023.45
538+00 BK	53800.00	50.00	92.44	0.00	0.02	0.00	85.59	0.00	434.76	0.00	85.59	19545.16	0.00	0.00	-19459.57
538+36 AH	53835.78	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
538+50	53850.00	14.22	0	0.00	15.33	0.00	0.00	0.00	4.04	0.00	0.00	4.84	0.00	0.00	-4.84
539+00	53900.00	50.00	3.3	0.00	0.08	0.00	3.06	0.00	14.27	0.00	3.06	21.97	0.00	0.00	-18.91
539+06	53905.78	5.78	3.92	0.00	0.02	0.00	0.77	0.00	0.01	0.00	3.83	21.98	0.00	0.00	-18.15
539+06	53905.78	0.00	24.11	0.00	0	0.00	0.00	0.00	0.00	0.00	3.83	21.98	0.00	0.00	-18.15
539+50	53950.00	44.22	19.83	0.00	0	0.00	35.98	0.00	0.00	0.00	39.81	21.98	0.00	0.00	17.83
540+00	54000.00	50.00	12.23	0.00	0	0.00	29.69	0.00	0.00	0.00	69.50	21.98	0.00	0.00	47.52
540+50	54050.00	50.00	5.48	0.00	0	0.00	16.40	0.00	0.00	0.00	85.89	21.98	0.00	0.00	63.91
540+74 BK	54073.78	23.78	2.65	0.00	0.11	0.00	3.58	0.00	0.05	0.00	89.47	22.04	0.00	0.00	67.44
						Column totals	175.07	0.00	16306.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP SL

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
449+02 AH	44902.32	0.00	73.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
449+50	44950.00	47.68	0.10	0.00	5.37	0.00	65.25	0.00	4.74	0.00	65.25	5.69	0.00	0.00	59.56
450+00	45000.00	50.00	0.00	0.00	49.91	0.00	0.09	0.00	51.19	0.00	65.34	67.11	0.00	0.00	-1.77
450+50	45050.00	50.00	0.00	0.00	93.56	0.00	0.00	0.00	132.84	0.00	65.34	226.52	0.00	0.00	-161.18
451+00	45100.00	50.00	0.00	0.00	83.53	0.00	0.00	0.00	163.97	0.00	65.34	423.29	0.00	0.00	-357.95
451+41	45140.89	40.89	0.00	0.00	65.24	0.00	0.00	0.00	112.65	0.00	65.34	558.47	0.00	0.00	-493.13
451+41	45140.89	0.00	0.00	0.00	89.23	0.00	0.00	0.00	0.00	0.00	65.34	558.47	0.00	0.00	-493.13
451+50	45150.00	9.11	0.00	0.00	83.51	0.00	0.00	0.00	29.14	0.00	65.34	593.44	0.00	0.00	-528.10
452+00	45200.00	50.00	0.00	0.00	50.61	0.00	0.00	0.00	124.19	0.00	65.34	742.46	0.00	0.00	-677.12
452+50	45250.00	50.00	0.07	0.00	27.70	0.00	0.06	0.00	72.51	0.00	65.41	829.48	0.00	0.00	-764.07
453+00	45300.00	50.00	2.63	0.00	13.22	0.00	2.50	0.00	37.89	0.00	67.91	874.94	0.00	0.00	-807.03
453+06	45306.11	6.11	3.19	0.00	12.17	0.00	0.66	0.00	2.87	0.00	68.57	878.39	0.00	0.00	-809.82
453+06	45306.11	0.00	7.08	0.00	17.88	0.00	0.00	0.00	0.00	0.00	68.57	878.39	0.00	0.00	-809.82
453+50	45350.00	43.89	10.41	0.00	10.43	0.00	14.22	0.00	23.01	0.00	82.78	906.00	0.00	0.00	-823.22
454+00	45400.00	50.00	9.95	0.00	7.09	0.00	18.85	0.00	16.22	0.00	101.63	925.47	0.00	0.00	-823.83
454+50	45450.00	50.00	6.35	0.00	7.02	0.00	15.09	0.00	13.06	0.00	116.73	941.15	0.00	0.00	-824.42
455+00	45500.00	50.00	4.49	0.00	6.82	0.00	10.04	0.00	12.81	0.00	126.76	956.52	0.00	0.00	-829.76
455+46 BK	45545.56	45.56	0.82	0.00	9.56	0.00	4.48	0.00	13.82	0.00	131.24	973.11	0.00	0.00	-841.86
Column totals							131.24	0.00	810.92	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 RAMP FH

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
789+56 AH	78956.16	0.00	93.46	0.00	13.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
790+00	79000.00	43.84	127.46	0.00	1.05	0.00	179.35	0.00	11.67	0.00	179.35	14.01	0.00	0.00	165.34
790+50	79050.00	50.00	215.46	0.00	0.00	0.00	317.52	0.00	0.00	0.00	496.87	14.01	0.00	0.00	482.86
791+00	79100.00	50.00	653.38	0.00	1.01	0.00	804.48	0.00	0.94	0.00	1301.35	15.13	0.00	0.00	1286.22
791+45 BK	79144.88	44.88	958.30	0.00	0.00	0.00	1339.49	0.00	0.84	0.00	2640.84	16.14	0.00	0.00	2624.70
						Column totals	2640.84	0.00	13.45	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 W. WISCONSIN AVENUE

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
21+13 AH	2113.06	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21+50	2150.00	36.94	34.31	0.00	0.12	0.00	46.27	0.00	0.08	0.00	46.27	0.10	0.00	0.00	46.17
22+00	2200.00	50.00	62.36	0.00	0.00	0.00	89.51	0.00	0.11	0.00	135.78	0.23	0.00	0.00	135.55
22+50	2250.00	50.00	56.24	0.00	0.00	0.00	109.81	0.00	0.00	0.00	245.59	0.23	0.00	0.00	245.36
23+00	2300.00	50.00	56.41	0.00	0.00	0.00	104.31	0.00	0.00	0.00	349.90	0.23	0.00	0.00	349.67
23+50	2350.00	50.00	32.37	0.00	0.49	0.00	82.20	0.00	0.45	0.00	432.10	0.78	0.00	0.00	431.33
24+00	2400.00	50.00	20.56	0.00	0.91	0.00	49.01	0.00	1.30	0.00	481.11	2.33	0.00	0.00	478.78
24+50	2450.00	50.00	26.21	0.00	1.46	0.00	43.31	0.00	2.19	0.00	524.42	4.97	0.00	0.00	519.45
25+00	2500.00	50.00	35.92	0.00	2.25	0.00	57.53	0.00	3.44	0.00	581.95	9.09	0.00	0.00	572.86
25+50	2550.00	50.00	35.41	0.00	1.08	0.00	66.05	0.00	3.08	0.00	647.99	12.79	0.00	0.00	635.21
26+00	2600.00	50.00	13.68	0.00	0.00	0.00	45.45	0.00	1.00	0.00	693.45	13.99	0.00	0.00	679.46
26+23 BK	2623.01	23.01	7.11	0.00	0.00	0.00	8.86	0.00	0.00	0.00	702.31	13.99	0.00	0.00	688.32
		Column totals					702.31	0.00	11.66	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 N. 97TH STREET (TT)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
46+13 AH	4613.39	0.00	54.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46+50	4650.00	36.61	28.76	0.00	0.00	0.00	56.25	0.00	0.00	0.00	56.25	0.00	0.00	0.00	56.25
47+00	4700.00	50.00	23.83	0.00	0.00	0.00	48.69	0.00	0.00	0.00	104.95	0.00	0.00	0.00	104.95
47+50	4750.00	50.00	18.20	0.00	1.43	0.00	38.92	0.00	1.32	0.00	143.86	1.59	0.00	0.00	142.27
48+00	4800.00	50.00	5.22	0.00	6.11	0.00	21.69	0.00	6.98	0.00	165.55	9.97	0.00	0.00	155.58
48+50	4850.00	50.00	0.00	0.00	19.82	0.00	4.83	0.00	24.01	0.00	170.38	38.78	0.00	0.00	131.60
49+00	4900.00	50.00	0.00	0.00	29.36	0.00	0.00	0.00	45.54	0.00	170.38	93.42	0.00	0.00	76.96
49+50	4950.00	50.00	2.84	0.00	46.44	0.00	2.63	0.00	70.19	0.00	173.01	177.64	0.00	0.00	-4.63
49+71 BK	4971.38	21.38	16.52	0.00	0.00	0.00	5.65	0.00	13.61	0.00	178.66	193.98	0.00	0.00	-15.33
		Column totals					178.66	0.00	161.65	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 W. FAIRVIEW AVE (FV)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
17+26 AH	1725.58	0.00	24.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17+50	1750.00	24.42	23.22	0.00	0.00	0.00	21.38	0.00	0.00	0.00	21.38	0.00	0.00	0.00	21.38
18+00	1800.00	50.00	22.88	0.00	0.00	0.00	42.69	0.00	0.00	0.00	64.06	0.00	0.00	0.00	64.06
18+50	1850.00	50.00	23.75	0.00	0.00	0.00	43.18	0.00	0.00	0.00	107.24	0.00	0.00	0.00	107.24
19+00	1900.00	50.00	22.63	0.00	2.06	0.00	42.94	0.00	1.91	0.00	150.18	2.29	0.00	0.00	147.89
19+50	1950.00	50.00	22.58	0.00	1.95	0.00	41.86	0.00	3.71	0.00	192.04	6.74	0.00	0.00	185.30
20+00	2000.00	50.00	22.81	0.00	2.37	0.00	42.03	0.00	4.00	0.00	234.07	11.54	0.00	0.00	222.53
20+50	2050.00	50.00	22.27	0.00	3.42	0.00	41.74	0.00	5.36	0.00	275.81	17.98	0.00	0.00	257.83
21+00	2100.00	50.00	22.37	0.00	0.00	0.00	41.33	0.00	3.17	0.00	317.15	21.78	0.00	0.00	295.37
21+50	2150.00	50.00	24.92	0.00	0.00	0.00	43.79	0.00	0.00	0.00	360.93	21.78	0.00	0.00	339.15
21+63 BK	2162.65	12.65	22.71	0.00	0.00	0.00	11.16	0.00	0.00	0.00	372.09	21.78	0.00	0.00	350.31
					Column totals		372.09	0.00	18.15	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 ACCESS PATH (XM)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
9+80 AH	980.00	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+00	1000.00	20.00	4.51	0.00	0.00	0.00	3.10	0.00	0.00	0.00	3.10	0.00	0.00	0.00	3.10
10+50	1050.00	50.00	1.19	0.00	35.69	0.00	5.28	0.00	33.05	0.00	8.38	39.66	0.00	0.00	-31.27
11+00	1100.00	50.00	51.78	0.00	0.00	0.00	49.05	0.00	33.05	0.00	57.43	79.31	0.00	0.00	-21.88
11+50	1150.00	50.00	80.76	0.00	0.00	0.00	122.72	0.00	0.00	0.00	180.15	79.31	0.00	0.00	100.84
12+00	1200.00	50.00	95.08	0.00	0.00	0.00	162.81	0.00	0.00	0.00	342.96	79.31	0.00	0.00	263.65
12+50	1250.00	50.00	124.41	0.00	0.00	0.00	203.23	0.00	0.00	0.00	546.20	79.31	0.00	0.00	466.89
13+00	1300.00	50.00	99.13	0.00	0.00	0.00	206.98	0.00	0.00	0.00	753.18	79.31	0.00	0.00	673.87
13+50	1350.00	50.00	92.65	0.00	0.00	0.00	177.57	0.00	0.00	0.00	930.75	79.31	0.00	0.00	851.44
14+00	1400.00	50.00	91.74	0.00	0.00	0.00	170.73	0.00	0.00	0.00	1101.48	79.31	0.00	0.00	1022.17
14+50	1450.00	50.00	91.40	0.00	0.01	0.00	169.57	0.00	0.01	0.00	1271.06	79.32	0.00	0.00	1191.74
15+00	1500.00	50.00	36.69	0.00	2.97	0.00	118.60	0.00	2.76	0.00	1389.66	82.63	0.00	0.00	1307.03
15+50	1550.00	50.00	8.53	0.00	22.53	0.00	41.87	0.00	23.61	0.00	1431.53	110.97	0.00	0.00	1320.56
16+00	1600.00	50.00	1.97	0.00	41.20	0.00	9.72	0.00	59.01	0.00	1441.25	181.78	0.00	0.00	1259.47
16+50	1650.00	50.00	1.21	0.00	52.87	0.00	2.94	0.00	87.10	0.00	1444.20	286.30	0.00	0.00	1157.90
16+93 BK	1693.23	43.23	5.86	0.00	57.93	0.00	5.66	0.00	88.70	0.00	1449.86	392.74	0.00	0.00	1057.11
						Column totals	1449.86	0.00	327.28	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 BIKE PATH A

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	Note 4	Note 5	Note 6
10+10 AH	1010.29	0.00	7.54	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	39.71	9.31	0.00	1.58	0.00	12.39	0.00	1.25	0.00	12.39	1.50	0.00	0.00	10.89
11+00	1100.00	50.00	25.73	0.00	6.65	0.00	32.44	0.00	7.62	0.00	44.84	10.64	0.00	0.00	34.19
11+50	1150.00	50.00	20.74	0.00	0.51	0.00	43.03	0.00	6.63	0.00	87.86	18.60	0.00	0.00	69.26
12+00	1200.00	50.00	23.02	0.00	7.06	0.00	40.52	0.00	7.01	0.00	128.38	27.01	0.00	0.00	101.37
12+50	1250.00	50.00	30.69	0.00	0.59	0.00	49.73	0.00	7.08	0.00	178.11	35.51	0.00	0.00	142.60
13+00	1300.00	50.00	0.17	0.00	34.96	0.00	28.57	0.00	32.92	0.00	206.69	75.01	0.00	0.00	131.68
13+19 BK	1319.05	19.05	30.14	0.00	0.00	0.00	10.69	0.00	12.33	0.00	217.38	89.81	0.00	0.00	127.57
		Column totals					217.38	0.00	74.84	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 BIKE PATH B

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
10+15 AH	1015.18	0.00	96.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	34.82	34.54	0.00	0.00	0.00	84.55	0.00	0.00	0.00	84.55	0.00	0.00	0.00	84.55
11+00	1100.00	50.00	0.00	0.00	500.74	0.00	31.98	0.00	463.65	0.00	116.54	556.38	0.00	0.00	-439.84
11+50	1150.00	50.00	0.00	0.00	672.32	0.00	0.00	0.00	1086.17	0.00	116.54	1859.78	0.00	0.00	-1743.24
12+00	1200.00	50.00	0.00	0.00	935.62	0.00	0.00	0.00	1488.83	0.00	116.54	3646.38	0.00	0.00	-3529.84
12+50	1250.00	50.00	0.00	0.00	780.56	0.00	0.00	0.00	1589.06	0.00	116.54	5553.24	0.00	0.00	-5436.71
13+00	1300.00	50.00	0.00	0.00	232.98	0.00	0.00	0.00	938.46	0.00	116.54	6679.40	0.00	0.00	-6562.86
13+50	1350.00	50.00	231.49	0.00	25.63	0.00	214.34	0.00	239.45	0.00	330.88	6966.74	0.00	0.00	-6635.87
14+00	1400.00	50.00	0.00	0.00	202.04	0.00	214.34	0.00	210.81	0.00	545.22	7219.71	0.00	0.00	-6674.49
14+50	1450.00	50.00	0.00	0.00	328.86	0.00	0.00	0.00	491.57	0.00	545.22	7809.60	0.00	0.00	-7264.38
15+00	1500.00	50.00	0.00	0.00	220.48	0.00	0.00	0.00	508.65	0.00	545.22	8419.98	0.00	0.00	-7874.76
15+50	1550.00	50.00	0.00	0.00	337.89	0.00	0.00	0.00	517.01	0.00	545.22	9040.39	0.00	0.00	-8495.17
16+00	1600.00	50.00	0.00	0.00	311.44	0.00	0.00	0.00	601.23	0.00	545.22	9761.87	0.00	0.00	-9216.65
16+50	1650.00	50.00	0.04	0.00	228.54	0.00	0.04	0.00	499.98	0.00	545.26	10361.84	0.00	0.00	-9816.59
17+00	1700.00	50.00	0.00	1.00	278.50	0.00	0.04	0.00	469.48	0.00	545.30	10925.22	0.00	0.00	-10379.93
17+50	1750.00	50.00	0.00	1.00	161.69	0.00	0.00	0.00	407.58	0.00	545.30	11414.32	0.00	0.00	-10869.03
17+79 BK	1778.55	28.55	15.52	0.00	0.00	0.00	8.21	0.00	28.50	0.00	553.50	10959.42	0.00	0.00	-10405.92
Column totals							553.50	0.00	9540.43	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 RAMP BD GRADING

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	Note 4 1.3	Note 5 0.8	Note 6
730+00 AH	73000.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
730+50	73050.00	50.00	2.73	0.00	68.56	0.00	2.55	0.00	63.48	0.00	2.55	76.18	0.00	0.00	-73.63
731+00	73100.00	50.00	0.12	0.00	14.73	0.00	2.64	0.00	77.12	0.00	5.19	168.72	0.00	0.00	-163.54
731+50	73150.00	50.00	0.11	0.00	7.92	0.00	0.21	0.00	20.97	0.00	5.40	193.89	0.00	0.00	-188.49
732+00	73200.00	50.00	0.13	0.00	14.59	0.00	0.22	0.00	20.84	0.00	5.62	218.90	0.00	0.00	-213.28
732+50	73250.00	50.00	30.92	0.00	23.96	0.00	28.75	0.00	35.69	0.00	34.37	261.73	0.00	0.00	-227.36
733+00	73300.00	50.00	10.89	0.00	46.63	0.00	38.71	0.00	65.36	0.00	73.08	340.17	0.00	0.00	-267.08
733+36 BK	73336.06	36.06	0.00	0.00	154.73	0.00	7.27	0.00	134.46	0.00	80.36	501.52	0.00	0.00	-421.17
						Column totals	80.36	0.00	417.94	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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DIVISION 2 MINOR RETAINING WALL R-2 (519G+81 TO 521G+33)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
10+00 AH	1000.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+25	1025.00	25.00	0.00	0.00	30.41	0.00	0.00	0.00	14.62	0.00	0.00	17.54	0.00	0.00	-17.54
10+50	1050.00	25.00	0.00	0.00	36.10	0.00	0.00	0.00	30.79	0.00	0.00	54.49	0.00	0.00	-54.49
10+75	1075.00	25.00	0.00	0.00	5.45	0.00	0.00	0.00	19.24	0.00	0.00	77.58	0.00	0.00	-77.58
11+00	1100.00	25.00	0.00	0.00	6.89	0.00	0.00	0.00	5.71	0.00	0.00	84.43	0.00	0.00	-84.43
11+25	1125.00	25.00	0.00	0.00	7.68	0.00	0.00	0.00	6.75	0.00	0.00	92.53	0.00	0.00	-92.53
11+50	1150.00	25.00	0.00	0.00	4.58	0.00	0.00	0.00	5.68	0.00	0.00	99.34	0.00	0.00	-99.34
11+75	1175.00	25.00	0.00	0.00	1.75	0.00	0.00	0.00	2.93	0.00	0.00	102.86	0.00	0.00	-102.86
11+77 BK	1177.00	2.00	0.00	0.00	3.81	0.00	0.00	0.00	0.21	0.00	0.00	103.10	0.00	0.00	-103.10
		Column totals					0.00	0.00	85.92	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 NSD

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
1+55 AH	154.58	0.00	273.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2+00	200.00	45.42	145.55	0.00	0.00	0.00	352.46	0.00	0.00	0.00	352.46	0.00	0.00	0.00	352.46
2+50	250.00	50.00	173.97	0.00	24.41	0.00	295.85	0.00	22.60	0.00	648.31	27.12	0.00	0.00	621.19
3+00	300.00	50.00	412.51	0.00	16.62	0.00	543.04	0.00	37.99	0.00	1191.35	72.71	0.00	0.00	1118.64
3+50	350.00	50.00	681.77	0.00	9.60	0.00	1013.22	0.00	24.28	0.00	2204.57	101.84	0.00	0.00	2102.73
4+00	400.00	50.00	297.19	0.00	16.09	0.00	906.44	0.00	23.79	0.00	3111.01	130.39	0.00	0.00	2980.63
4+50	450.00	50.00	236.47	0.00	26.45	0.00	494.13	0.00	39.39	0.00	3605.14	177.66	0.00	0.00	3427.49
5+00	500.00	50.00	246.64	0.00	12.62	0.00	447.32	0.00	36.18	0.00	4052.47	221.07	0.00	0.00	3831.40
5+50	550.00	50.00	250.06	0.00	9.74	0.00	459.91	0.00	20.70	0.00	4512.38	245.91	0.00	0.00	4266.46
6+00	600.00	50.00	232.49	0.00	10.52	0.00	446.81	0.00	18.76	0.00	4959.18	268.42	0.00	0.00	4690.76
6+50	650.00	50.00	160.59	0.00	9.64	0.00	363.96	0.00	18.67	0.00	5323.14	290.82	0.00	0.00	5032.32
7+00	700.00	50.00	69.21	0.00	6.53	0.00	212.78	0.00	14.97	0.00	5535.92	308.79	0.00	0.00	5227.13
7+50	750.00	50.00	89.57	0.00	8.96	0.00	147.02	0.00	14.34	0.00	5682.94	326.00	0.00	0.00	5356.94
8+00	800.00	50.00	91.04	0.00	2.08	0.00	167.23	0.00	10.22	0.00	5850.17	338.27	0.00	0.00	5511.91
8+50	850.00	50.00	103.40	0.00	0.00	0.00	180.04	0.00	1.93	0.00	6030.21	340.58	0.00	0.00	5689.63
9+00	900.00	50.00	126.97	0.00	0.00	0.00	213.31	0.00	0.00	0.00	6243.51	340.58	0.00	0.00	5902.94
9+50	950.00	50.00	110.55	0.00	0.71	0.00	219.93	0.00	0.66	0.00	6463.44	341.37	0.00	0.00	6122.07
10+00	1000.00	50.00	125.27	0.00	4.95	0.00	218.35	0.00	5.24	0.00	6681.79	347.66	0.00	0.00	6334.14
10+50	1050.00	50.00	116.66	0.00	7.62	0.00	224.01	0.00	11.64	0.00	6905.80	361.62	0.00	0.00	6544.18
11+00	1100.00	50.00	97.60	0.00	9.89	0.00	198.39	0.00	16.21	0.00	7104.19	381.08	0.00	0.00	6723.11
11+50	1150.00	50.00	68.21	0.00	0.00	0.00	153.53	0.00	9.16	0.00	7257.72	392.07	0.00	0.00	6865.65
12+00	1200.00	50.00	72.79	0.00	0.00	0.00	130.56	0.00	0.00	0.00	7388.27	392.07	0.00	0.00	6996.21
12+50	1250.00	50.00	113.90	0.00	0.00	0.00	172.86	0.00	0.00	0.00	7561.14	392.07	0.00	0.00	7169.07
13+00	1300.00	50.00	152.09	0.00	0.00	0.00	246.29	0.00	0.00	0.00	7807.42	392.07	0.00	0.00	7415.36

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 NSD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
13+50	1350.00	50.00	111.12	0.00	0.00	0.00	243.71	0.00	0.00	0.00	8051.14	392.07	0.00	0.00	7659.07
14+00	1400.00	50.00	46.61	0.00	0.00	0.00	146.05	0.00	0.00	0.00	8197.18	392.07	0.00	0.00	7805.11
14+50	1450.00	50.00	15.51	0.00	13.49	0.00	57.52	0.00	12.49	0.00	8254.70	407.06	0.00	0.00	7847.64
15+00	1500.00	50.00	1.52	0.00	18.44	0.00	15.77	0.00	29.56	0.00	8270.47	442.53	0.00	0.00	7827.94
15+50	1550.00	50.00	0.07	0.00	29.28	0.00	1.47	0.00	44.19	0.00	8271.94	495.56	0.00	0.00	7776.39
16+00	1600.00	50.00	6.64	0.00	38.90	0.00	6.21	0.00	63.13	0.00	8278.15	571.31	0.00	0.00	7706.84
16+50	1650.00	50.00	2.36	0.00	51.82	0.00	8.33	0.00	84.00	0.00	8286.49	672.11	0.00	0.00	7614.38
17+00	1700.00	50.00	0.00	0.00	103.25	0.00	2.19	0.00	143.58	0.00	8288.67	844.41	0.00	0.00	7444.26
17+50	1750.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	0.00	8288.67	959.13	0.00	0.00	7329.54
18+00	1800.00	50.00	0.00	0.00	121.25	0.00	0.00	0.00	112.27	0.00	8288.67	1093.86	0.00	0.00	7194.82
18+50	1850.00	50.00	0.44	0.00	71.50	0.00	0.41	0.00	178.47	0.00	8289.08	1308.02	0.00	0.00	6981.06
19+00	1900.00	50.00	0.69	0.00	78.60	0.00	1.05	0.00	138.98	0.00	8290.13	1474.80	0.00	0.00	6815.33
19+50	1950.00	50.00	15.11	0.00	93.35	0.00	14.63	0.00	159.21	0.00	8304.76	1665.86	0.00	0.00	6638.90
20+00	2000.00	50.00	15.13	0.00	147.62	0.00	28.00	0.00	223.12	0.00	8332.76	1933.60	0.00	0.00	6399.16
20+50	2050.00	50.00	15.19	0.00	178.44	0.00	28.07	0.00	301.91	0.00	8360.83	2295.89	0.00	0.00	6064.94
21+00	2100.00	50.00	15.39	0.00	182.29	0.00	28.31	0.00	334.01	0.00	8389.14	2696.70	0.00	0.00	5692.44
21+50	2150.00	50.00	13.57	0.00	192.60	0.00	26.81	0.00	347.12	0.00	8415.96	3113.24	0.00	0.00	5302.71
22+00	2200.00	50.00	10.95	0.00	151.21	0.00	22.70	0.00	318.34	0.00	8438.66	3495.26	0.00	0.00	4943.41
22+50	2250.00	50.00	6.39	0.00	168.07	0.00	16.06	0.00	295.63	0.00	8454.72	3850.01	0.00	0.00	4604.71
23+00	2300.00	50.00	3.35	0.00	105.99	0.00	9.02	0.00	253.76	0.00	8463.74	4154.52	0.00	0.00	4309.21
23+15 BK	2314.70	14.70	2.97	0.00	95.27	0.00	1.72	0.00	54.79	0.00	8465.46	4220.27	0.00	0.00	4245.19
Column totals							8465.46	0.00	3516.89	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 2 NSJ

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
315+32 AH	31531.84	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315+50	31550.00	18.16	3.06	0.00	2.27	0.00	2.06	0.00	0.76	0.00	2.06	0.92	0.00	0.00	1.15
316+00	31600.00	50.00	3.06	0.00	5.63	0.00	5.67	0.00	7.31	0.00	7.73	9.69	0.00	0.00	-1.97
316+50	31650.00	50.00	3.05	0.00	5.14	0.00	5.66	0.00	9.97	0.00	13.39	21.66	0.00	0.00	-8.27
317+00	31700.00	50.00	4.22	0.00	0.60	0.00	6.73	0.00	5.31	0.00	20.12	28.04	0.00	0.00	-7.92
317+50	31750.00	50.00	5.03	0.00	0.50	0.00	8.56	0.00	1.02	0.00	28.68	29.26	0.00	0.00	-0.58
318+00	31800.00	50.00	4.73	0.00	0.54	0.00	9.04	0.00	0.96	0.00	37.72	30.42	0.00	0.00	7.30
318+50	31850.00	50.00	6.63	0.00	0.11	0.00	10.52	0.00	0.60	0.00	48.24	31.14	0.00	0.00	17.10
319+00	31900.00	50.00	7.17	0.00	0.10	0.00	12.78	0.00	0.19	0.00	61.02	31.37	0.00	0.00	29.64
319+50	31950.00	50.00	8.35	0.00	0.10	0.00	14.37	0.00	0.19	0.00	75.39	31.59	0.00	0.00	43.79
320+00	32000.00	50.00	8.89	0.00	0.09	0.00	15.96	0.00	0.18	0.00	91.35	31.80	0.00	0.00	59.54
320+50	32050.00	50.00	8.70	0.00	0.10	0.00	16.29	0.00	0.18	0.00	107.64	32.02	0.00	0.00	75.62
321+00	32100.00	50.00	8.18	0.00	0.10	0.00	15.63	0.00	0.19	0.00	123.27	32.24	0.00	0.00	91.03
321+50	32150.00	50.00	6.72	0.00	0.11	0.00	13.80	0.00	0.19	0.00	137.06	32.47	0.00	0.00	104.59
322+00	32200.00	50.00	5.09	0.00	0.48	0.00	10.94	0.00	0.55	0.00	148.00	33.13	0.00	0.00	114.87
322+50	32250.00	50.00	4.49	0.00	0.73	0.00	8.87	0.00	1.12	0.00	156.87	34.47	0.00	0.00	122.40
323+00	32300.00	50.00	3.00	0.00	3.81	0.00	6.94	0.00	4.20	0.00	163.80	39.52	0.00	0.00	124.29
323+50	32350.00	50.00	3.01	0.00	5.79	0.00	5.56	0.00	8.89	0.00	169.37	50.18	0.00	0.00	119.18
324+00	32400.00	50.00	2.39	0.00	7.53	0.00	5.00	0.00	12.33	0.00	174.37	64.98	0.00	0.00	109.38
324+50	32450.00	50.00	2.40	0.00	5.52	0.00	4.44	0.00	12.08	0.00	178.80	79.48	0.00	0.00	99.32
325+00	32500.00	50.00	2.40	0.00	2.17	0.00	4.44	0.00	7.12	0.00	183.25	88.03	0.00	0.00	95.22
325+50	32550.00	50.00	3.04	0.00	3.34	0.00	5.04	0.00	5.10	0.00	188.28	94.15	0.00	0.00	94.13
326+00	32600.00	50.00	3.05	0.00	3.32	0.00	5.64	0.00	6.17	0.00	193.92	101.55	0.00	0.00	92.37
326+50	32650.00	50.00	3.06	0.00	3.08	0.00	5.66	0.00	5.93	0.00	199.58	108.66	0.00	0.00	90.92
327+00	32700.00	50.00	3.04	0.00	2.62	0.00	5.65	0.00	5.28	0.00	205.23	114.99	0.00	0.00	90.23
327+50	32750.00	50.00	2.97	0.00	2.01	0.00	5.56	0.00	4.29	0.00	210.79	120.14	0.00	0.00	90.65
328+00	32800.00	50.00	2.89	0.00	1.25	0.00	5.43	0.00	3.02	0.00	216.22	123.76	0.00	0.00	92.46
328+50	32850.00	50.00	2.93	0.00	0.02	0.00	5.39	0.00	1.18	0.00	221.61	125.17	0.00	0.00	96.44
328+67 BK	32866.66	16.66	2.82	0.00	0.00	0.00	1.77	0.00	0.01	0.00	223.38	125.18	0.00	0.00	98.20
						Column totals	223.38	0.00	104.32	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 EWQ

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
11+11 AH	1111.10	0.00	8.00	0.00	2.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	38.90	20.90	0.00	0.00	0.00	20.82	0.00	1.89	0.00	20.82	2.26	0.00	0.00	18.55
12+00	1200.00	50.00	19.86	0.00	0.93	0.00	37.74	0.00	0.86	0.00	58.56	3.30	0.00	0.00	55.26
12+50	1250.00	50.00	19.60	0.00	4.24	0.00	36.54	0.00	4.79	0.00	95.10	9.04	0.00	0.00	86.05
13+00	1300.00	50.00	20.79	0.00	5.58	0.00	37.40	0.00	9.09	0.00	132.49	19.95	0.00	0.00	112.54
13+50	1350.00	50.00	20.67	0.00	7.16	0.00	38.39	0.00	11.80	0.00	170.88	34.11	0.00	0.00	136.77
14+00	1400.00	50.00	20.74	0.00	13.53	0.00	38.34	0.00	19.16	0.00	209.23	57.10	0.00	0.00	152.13
14+50	1450.00	50.00	20.86	0.00	18.65	0.00	38.52	0.00	29.80	0.00	247.74	92.85	0.00	0.00	154.89
15+00	1500.00	50.00	21.31	0.00	13.99	0.00	39.05	0.00	30.22	0.00	286.79	129.12	0.00	0.00	157.67
15+50	1550.00	50.00	23.36	0.00	14.50	0.00	41.36	0.00	26.38	0.00	328.15	160.78	0.00	0.00	167.38
16+00	1600.00	50.00	23.57	0.00	13.10	0.00	43.45	0.00	25.56	0.00	371.61	191.44	0.00	0.00	180.16
16+41 BK	1640.99	40.99	24.41	0.00	14.32	0.00	36.42	0.00	20.81	0.00	408.03	216.42	0.00	0.00	191.61
						Column totals	408.03	0.00	180.35	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 EWR

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
10+84 AH	1083.62	0.00	0.00	0.00	12.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00	1100.00	16.38	0.00	0.00	19.85	0.00	0.00	0.00	9.92	0.00	0.00	11.91	0.00	0.00	-11.91
11+50	1150.00	50.00	0.00	0.00	31.30	0.00	0.00	0.00	47.36	0.00	0.00	68.74	0.00	0.00	-68.74
12+00	1200.00	50.00	1.08	0.00	11.31	0.00	1.00	0.00	39.45	0.00	1.00	116.08	0.00	0.00	-115.08
12+50	1250.00	50.00	6.52	0.00	10.30	0.00	7.04	0.00	20.01	0.00	8.04	140.10	0.00	0.00	-132.06
13+00	1300.00	50.00	6.31	0.00	11.67	0.00	11.88	0.00	20.34	0.00	19.92	164.51	0.00	0.00	-144.59
13+50	1350.00	50.00	6.88	0.00	10.30	0.00	12.21	0.00	20.34	0.00	32.13	188.92	0.00	0.00	-156.79
14+00	1400.00	50.00	7.44	0.00	9.70	0.00	13.26	0.00	18.52	0.00	45.39	211.14	0.00	0.00	-165.75
14+50	1450.00	50.00	8.09	0.00	8.13	0.00	14.38	0.00	16.51	0.00	59.77	230.95	0.00	0.00	-171.18
15+00	1500.00	50.00	8.80	0.00	8.13	0.00	15.64	0.00	15.06	0.00	75.41	249.02	0.00	0.00	-173.61
15+50	1550.00	50.00	5.89	0.00	5.60	0.00	13.60	0.00	12.71	0.00	89.01	264.27	0.00	0.00	-175.26
15+98 BK	1598.09	48.09	3.95	0.00	0.00	0.00	8.76	0.00	4.99	0.00	97.77	270.26	0.00	0.00	-172.49
		Column totals					97.77	0.00	225.21	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 2 SWC

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
10+89 AH	1089.23	0.00	0.10	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00	1100.00	10.77	3.06	0.00	6.32	0.00	0.63	0.00	1.27	0.00	0.63	1.52	0.00	0.00	-0.89
11+50	1150.00	50.00	4.19	0.00	22.77	0.00	6.71	0.00	26.94	0.00	7.34	33.84	0.00	0.00	-26.50
12+00	1200.00	50.00	0.03	0.00	39.88	0.00	3.91	0.00	58.01	0.00	11.25	103.46	0.00	0.00	-92.20
12+50	1250.00	50.00	0.00	0.00	24.66	0.00	0.03	0.00	59.76	0.00	11.28	175.17	0.00	0.00	-163.89
13+00	1300.00	50.00	8.64	0.00	1.92	0.00	8.00	0.00	24.61	0.00	19.28	204.70	0.00	0.00	-185.42
13+36 BK	1335.72	35.72	37.69	0.00	0.00	0.00	30.65	0.00	1.27	0.00	49.92	206.22	0.00	0.00	-156.30
		Column totals					49.92	0.00	171.85	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 2 SLC

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+04 AH	1104.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	45.70	0.00	0.00	39.22	0.00	0.00	0.00	33.19	0.00	0.00	39.83	0.00	0.00	-39.83
12+00	1200.00	50.00	0.00	0.00	36.06	0.00	0.00	0.00	69.70	0.00	0.00	123.47	0.00	0.00	-123.47
12+50	1250.00	50.00	4.91	0.00	37.51	0.00	4.55	0.00	68.12	0.00	4.55	205.22	0.00	0.00	-200.67
13+00	1300.00	50.00	6.99	0.00	38.81	0.00	11.02	0.00	70.67	0.00	15.56	290.02	0.00	0.00	-274.45
13+50	1350.00	50.00	6.91	0.00	45.48	0.00	12.87	0.00	78.05	0.00	28.44	383.67	0.00	0.00	-355.24
14+00	1400.00	50.00	4.13	0.00	4.20	0.00	10.22	0.00	46.00	0.00	38.66	438.87	0.00	0.00	-400.22
14+50	1450.00	50.00	1.52	0.00	0.00	0.00	5.23	0.00	3.89	0.00	43.89	443.54	0.00	0.00	-399.65
14+54 BK	1453.98	3.98	1.50	0.00	0.00	0.00	0.22	0.00	0.00	0.00	44.11	443.54	0.00	0.00	-399.43
		Column totals					44.11	0.00	369.62	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
206+00 AH	20600.00	0.00	159.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
206+50	20650.00	50.00	168.30	0.00	0.00	0.00	303.56	0.00	0.00	0.00	303.56	0.00	0.00	0.00	303.56
207+00	20700.00	50.00	185.94	0.00	0.00	0.00	328.00	0.00	0.00	0.00	631.56	0.00	0.00	0.00	631.56
207+50	20750.00	50.00	188.20	0.00	0.00	0.00	346.43	0.00	0.00	0.00	977.98	0.00	0.00	0.00	977.98
208+00	20800.00	50.00	187.43	0.00	0.00	0.00	347.81	0.00	0.00	0.00	1325.79	0.00	0.00	0.00	1325.79
208+50	20850.00	50.00	189.07	0.00	0.00	0.00	348.61	0.00	0.00	0.00	1674.40	0.00	0.00	0.00	1674.40
208+50	20850.00	0.00	151.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1674.40	0.00	0.00	0.00	1674.40
209+00	20900.00	50.00	155.39	0.00	0.00	0.00	284.60	0.00	0.00	0.00	1959.00	0.00	0.00	0.00	1959.00
209+50	20950.00	50.00	155.60	0.00	0.00	0.00	287.95	0.00	0.00	0.00	2246.95	0.00	0.00	0.00	2246.95
210+00	21000.00	50.00	159.33	0.00	0.00	0.00	291.60	0.00	0.00	0.00	2538.56	0.00	0.00	0.00	2538.56
210+50	21050.00	50.00	162.92	0.00	0.00	0.00	298.38	0.00	0.00	0.00	2836.94	0.00	0.00	0.00	2836.94
211+00	21100.00	50.00	166.27	0.00	0.00	0.00	304.81	0.00	0.00	0.00	3141.74	0.00	0.00	0.00	3141.74
211+50	21150.00	50.00	170.00	0.00	0.00	0.00	311.36	0.00	0.00	0.00	3453.10	0.00	0.00	0.00	3453.10
212+00	21200.00	50.00	168.16	0.00	0.00	0.00	313.11	0.00	0.00	0.00	3766.21	0.00	0.00	0.00	3766.21
212+50	21250.00	50.00	161.66	0.00	0.00	0.00	305.39	0.00	0.00	0.00	4071.60	0.00	0.00	0.00	4071.60
213+00	21300.00	50.00	153.16	0.00	0.00	0.00	291.50	0.00	0.00	0.00	4363.10	0.00	0.00	0.00	4363.10
213+50	21350.00	50.00	138.78	0.00	0.00	0.00	270.31	0.00	0.00	0.00	4633.42	0.00	0.00	0.00	4633.42
214+00	21400.00	50.00	119.64	0.00	0.00	0.00	239.28	0.00	0.00	0.00	4872.69	0.00	0.00	0.00	4872.69
214+50	21450.00	50.00	98.82	0.00	0.00	0.00	202.28	0.00	0.00	0.00	5074.97	0.00	0.00	0.00	5074.97
215+00	21500.00	50.00	82.22	0.00	0.00	0.00	167.63	0.00	0.00	0.00	5242.60	0.00	0.00	0.00	5242.60
215+50	21550.00	50.00	71.39	0.00	0.00	0.00	142.23	0.00	0.00	0.00	5384.83	0.00	0.00	0.00	5384.83
216+00	21600.00	50.00	61.46	0.00	0.00	0.00	123.01	0.00	0.00	0.00	5507.84	0.00	0.00	0.00	5507.84
216+50	21650.00	50.00	50.93	0.00	0.00	0.00	104.06	0.00	0.00	0.00	5611.91	0.00	0.00	0.00	5611.91
217+00	21700.00	50.00	36.51	0.00	0.00	0.00	80.96	0.00	0.00	0.00	5692.87	0.00	0.00	0.00	5692.87
217+50	21750.00	50.00	15.80	0.00	1.05	0.00	48.44	0.00	0.97	0.00	5741.31	1.17	0.00	0.00	5740.14
218+00	21800.00	50.00	5.74	0.00	13.70	0.00	19.94	0.00	13.66	0.00	5761.25	17.56	0.00	0.00	5743.69
218+50	21850.00	50.00	2.64	0.00	36.76	0.00	7.76	0.00	46.72	0.00	5769.01	73.62	0.00	0.00	5695.39
219+00	21900.00	50.00	1.28	0.00	68.11	0.00	3.63	0.00	97.10	0.00	5772.64	190.14	0.00	0.00	5582.49

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
219+00	21900.00	0.00	1.26	0.00	96.21	0.00	0.00	0.00	0.00	0.00	5772.64	190.14	0.00	0.00	5582.49
219+50	21950.00	50.00	0.00	0.00	137.79	0.00	1.17	0.00	216.67	0.00	5773.81	450.14	0.00	0.00	5323.66
220+00	22000.00	50.00	0.00	0.00	169.49	0.00	0.00	0.00	284.52	0.00	5773.81	791.57	0.00	0.00	4982.24
220+50	22050.00	50.00	0.00	0.00	190.74	0.00	0.00	0.00	333.55	0.00	5773.81	1191.82	0.00	0.00	4581.98
221+00	22100.00	50.00	0.00	0.00	199.44	0.00	0.00	0.00	361.28	0.00	5773.81	1625.36	0.00	0.00	4148.45
221+50	22150.00	50.00	0.00	0.00	202.06	0.00	0.00	0.00	371.76	0.00	5773.81	2071.47	0.00	0.00	3702.34
222+00	22200.00	50.00	0.00	0.00	203.67	0.00	0.00	0.00	375.68	0.00	5773.81	2522.28	0.00	0.00	3251.53
222+50	22250.00	50.00	0.00	0.00	205.55	0.00	0.00	0.00	378.91	0.00	5773.81	2976.97	0.00	0.00	2796.84
223+00	22300.00	50.00	0.00	0.00	204.68	0.00	0.00	0.00	379.84	0.00	5773.81	3432.78	0.00	0.00	2341.03
223+50	22350.00	50.00	0.00	0.00	203.63	0.00	0.00	0.00	378.06	0.00	5773.81	3886.46	0.00	0.00	1887.35
224+00	22400.00	50.00	0.00	0.00	205.02	0.00	0.00	0.00	378.38	0.00	5773.81	4340.51	0.00	0.00	1433.29
224+50	22450.00	50.00	0.00	0.00	203.61	0.00	0.00	0.00	378.36	0.00	5773.81	4794.54	0.00	0.00	979.26
225+00	22500.00	50.00	0.00	0.00	194.32	0.00	0.00	0.00	368.45	0.00	5773.81	5236.69	0.00	0.00	537.12
225+50	22550.00	50.00	0.00	0.00	176.41	0.00	0.00	0.00	343.27	0.00	5773.81	5648.61	0.00	0.00	125.19
226+00	22600.00	50.00	0.00	0.00	152.54	0.00	0.00	0.00	304.58	0.00	5773.81	6014.11	0.00	0.00	-240.31
226+50	22650.00	50.00	0.00	0.00	125.85	0.00	0.00	0.00	257.77	0.00	5773.81	6323.43	0.00	0.00	-549.63
227+00	22700.00	50.00	0.00	0.00	93.75	0.00	0.00	0.00	203.33	0.00	5773.81	6567.43	0.00	0.00	-793.63
227+50	22750.00	50.00	0.00	0.00	53.69	0.00	0.00	0.00	136.52	0.00	5773.81	6731.26	0.00	0.00	-957.45
228+00	22800.00	50.00	0.98	0.00	16.18	0.00	0.91	0.00	64.69	0.00	5774.71	6808.89	0.00	0.00	-1034.18
228+50	22850.00	50.00	20.48	0.00	0.00	0.00	19.87	0.00	14.98	0.00	5794.58	6826.87	0.00	0.00	-1032.28
228+77	22876.97	26.97	53.71	0.00	0.00	0.00	37.05	0.00	0.00	0.00	5831.64	6826.87	0.00	0.00	-995.23
228+89 BK	22889.28	12.31	0.00	0.00	0.00	0.00	12.24	0.00	0.00	0.00	5843.88	6826.87	0.00	0.00	-982.99

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
230+77 AH	23077.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230+88	23088.21	10.78	0.00	0.00	362.72	0.00	0.00	0.00	72.41	0.00	0.00	86.89	0.00	0.00	-86.89
231+00	23100.00	11.79	49.67	0.00	0.00	0.00	10.84	0.00	79.19	0.00	10.84	181.92	0.00	0.00	-171.08
231+50	23150.00	50.00	9.77	0.00	0.23	0.00	55.04	0.00	0.21	0.00	65.88	182.18	0.00	0.00	-116.30
232+00	23200.00	50.00	0.00	0.00	26.87	0.00	9.05	0.00	25.09	0.00	74.93	212.29	0.00	0.00	-137.36
232+50	23250.00	50.00	0.00	0.00	65.98	0.00	0.00	0.00	85.97	0.00	74.93	315.46	0.00	0.00	-240.53
233+00	23300.00	50.00	0.00	0.00	106.16	0.00	0.00	0.00	159.39	0.00	74.93	506.72	0.00	0.00	-431.80
233+50	23350.00	50.00	0.00	0.00	141.92	0.00	0.00	0.00	229.70	0.00	74.93	782.37	0.00	0.00	-707.44
234+00	23400.00	50.00	0.00	0.00	176.95	0.00	0.00	0.00	295.25	0.00	74.93	1136.67	0.00	0.00	-1061.74
234+50	23450.00	50.00	0.00	0.00	206.62	0.00	0.00	0.00	355.16	0.00	74.93	1562.86	0.00	0.00	-1487.93
235+00	23500.00	50.00	0.00	0.00	229.66	0.00	0.00	0.00	403.96	0.00	74.93	2047.61	0.00	0.00	-1972.69
235+50	23550.00	50.00	0.00	0.00	247.05	0.00	0.00	0.00	441.40	0.00	74.93	2577.29	0.00	0.00	-2502.36
236+00	23600.00	50.00	0.00	0.00	255.97	0.00	0.00	0.00	465.76	0.00	74.93	3136.20	0.00	0.00	-3061.27
236+50	23650.00	50.00	0.00	0.00	259.60	0.00	0.00	0.00	477.38	0.00	74.93	3709.06	0.00	0.00	-3634.13
237+00	23700.00	50.00	0.00	0.00	257.90	0.00	0.00	0.00	479.17	0.00	74.93	4284.06	0.00	0.00	-4209.13
237+50	23750.00	50.00	0.00	0.00	249.63	0.00	0.00	0.00	469.94	0.00	74.93	4847.98	0.00	0.00	-4773.05
238+00	23800.00	50.00	0.00	0.00	231.44	0.00	0.00	0.00	445.44	0.00	74.93	5382.50	0.00	0.00	-5307.57
238+50	23850.00	50.00	0.00	0.00	208.62	0.00	0.00	0.00	407.46	0.00	74.93	5871.46	0.00	0.00	-5796.53
239+00	23900.00	50.00	0.00	0.00	178.45	0.00	0.00	0.00	358.40	0.00	74.93	6301.54	0.00	0.00	-6226.61
239+00	23900.00	0.00	0.00	0.00	135.94	0.00	0.00	0.00	0.00	0.00	74.93	6301.54	0.00	0.00	-6226.61
239+50	23950.00	50.00	0.00	0.00	109.54	0.00	0.00	0.00	227.30	0.00	74.93	6574.29	0.00	0.00	-6499.36
240+00	24000.00	50.00	0.00	0.00	82.88	0.00	0.00	0.00	178.17	0.00	74.93	6788.09	0.00	0.00	-6713.16
240+50	24050.00	50.00	0.00	0.00	59.09	0.00	0.00	0.00	131.45	0.00	74.93	6945.84	0.00	0.00	-6870.91
241+00	24100.00	50.00	0.00	0.00	38.60	0.00	0.00	0.00	90.45	0.00	74.93	7054.38	0.00	0.00	-6979.45

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
241+50	24150.00	50.00	5.68	0.00	21.62	0.00	5.26	0.00	55.76	0.00	80.19	7121.29	0.00	0.00	-7041.10
242+00	24200.00	50.00	15.69	0.00	9.79	0.00	19.79	0.00	29.08	0.00	99.97	7156.19	0.00	0.00	-7056.22
242+50	24250.00	50.00	31.73	0.00	1.71	0.00	43.91	0.00	10.65	0.00	143.88	7168.97	0.00	0.00	-7025.09
243+00	24300.00	50.00	49.54	0.00	0.00	0.00	75.25	0.00	1.58	0.00	219.13	7170.87	0.00	0.00	-6951.74
243+50	24350.00	50.00	65.02	0.00	0.81	0.00	106.07	0.00	0.75	0.00	325.21	7171.77	0.00	0.00	-6846.56
244+00	24400.00	50.00	93.32	0.00	0.00	0.00	146.61	0.00	0.75	0.00	471.82	7172.67	0.00	0.00	-6700.85
244+50	24450.00	50.00	96.75	0.00	0.00	0.00	175.99	0.00	0.00	0.00	647.81	7172.67	0.00	0.00	-6524.86
245+00	24500.00	50.00	121.02	0.00	0.48	0.00	201.64	0.00	0.44	0.00	849.45	7173.20	0.00	0.00	-6323.76
245+50	24550.00	50.00	144.04	0.00	0.00	0.00	245.43	0.00	0.44	0.00	1094.87	7173.74	0.00	0.00	-6078.86
246+00	24600.00	50.00	163.39	0.00	0.00	0.00	284.66	0.00	0.00	0.00	1379.53	7173.74	0.00	0.00	-5794.21
246+50	24650.00	50.00	185.81	0.00	0.00	0.00	323.33	0.00	0.00	0.00	1702.86	7173.74	0.00	0.00	-5470.87
247+00	24700.00	50.00	209.09	0.00	0.00	0.00	365.65	0.00	0.00	0.00	2068.51	7173.74	0.00	0.00	-5105.22
247+50	24750.00	50.00	226.47	0.00	0.00	0.00	403.30	0.00	0.00	0.00	2471.81	7173.74	0.00	0.00	-4701.93
248+00	24800.00	50.00	231.35	0.00	0.00	0.00	423.91	0.00	0.00	0.00	2895.71	7173.74	0.00	0.00	-4278.02
248+50	24850.00	50.00	228.99	0.00	0.00	0.00	426.24	0.00	0.00	0.00	3321.96	7173.74	0.00	0.00	-3851.78
249+00	24900.00	50.00	226.36	0.00	0.00	0.00	421.62	0.00	0.00	0.00	3743.58	7173.74	0.00	0.00	-3430.16
249+50	24950.00	50.00	221.20	0.00	0.00	0.00	414.41	0.00	0.00	0.00	4157.98	7173.74	0.00	0.00	-3015.75
250+00	25000.00	50.00	218.41	0.00	0.00	0.00	407.05	0.00	0.00	0.00	4565.03	7173.74	0.00	0.00	-2608.71
250+50	25050.00	50.00	213.50	0.00	0.00	0.00	399.92	0.00	0.00	0.00	4964.95	7173.74	0.00	0.00	-2208.79
251+00	25100.00	50.00	209.90	0.00	0.00	0.00	392.04	0.00	0.00	0.00	5356.98	7173.74	0.00	0.00	-1816.75
251+50	25150.00	50.00	206.88	0.00	0.00	0.00	385.91	0.00	0.00	0.00	5742.89	7173.74	0.00	0.00	-1430.84
251+50	25150.00	0.00	270.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5742.89	7173.74	0.00	0.00	-1430.84
252+00	25200.00	50.00	266.92	0.00	0.00	0.00	497.30	0.00	0.00	0.00	6240.19	7173.74	0.00	0.00	-933.55
252+50	25250.00	50.00	256.61	0.00	0.00	0.00	484.75	0.00	0.00	0.00	6724.94	7173.74	0.00	0.00	-448.80
253+00	25300.00	50.00	250.78	0.00	0.00	0.00	469.81	0.00	0.00	0.00	7194.74	7173.74	0.00	0.00	21.01
253+50	25350.00	50.00	245.27	0.00	0.00	0.00	459.31	0.00	0.00	0.00	7654.05	7173.74	0.00	0.00	480.31
254+00	25400.00	50.00	239.61	0.00	0.00	0.00	448.96	0.00	0.00	0.00	8103.01	7173.74	0.00	0.00	929.28

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
254+50	25450.00	50.00	243.64	0.00	0.00	0.00	447.45	0.00	0.00	0.00	8550.46	7173.74	0.00	0.00	1376.73
255+00	25500.00	50.00	239.43	0.00	0.00	0.00	447.29	0.00	0.00	0.00	8997.75	7173.74	0.00	0.00	1824.02
255+50	25550.00	50.00	238.42	0.00	0.00	0.00	442.45	0.00	0.00	0.00	9440.21	7173.74	0.00	0.00	2266.47
255+50	25550.00	0.00	182.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9440.21	7173.74	0.00	0.00	2266.47
256+00	25600.00	50.00	176.68	0.00	0.00	0.00	332.31	0.00	0.00	0.00	9772.52	7173.74	0.00	0.00	2598.79
256+50	25650.00	50.00	174.98	0.00	0.00	0.00	325.61	0.00	0.00	0.00	10098.13	7173.74	0.00	0.00	2924.40
257+00	25700.00	50.00	171.78	0.00	0.00	0.00	321.07	0.00	0.00	0.00	10419.21	7173.74	0.00	0.00	3245.47
257+50	25750.00	50.00	169.27	0.00	0.00	0.00	315.79	0.00	0.00	0.00	10734.99	7173.74	0.00	0.00	3561.26
258+00	25800.00	50.00	164.76	0.00	0.00	0.00	309.29	0.00	0.00	0.00	11044.28	7173.74	0.00	0.00	3870.54
258+50	25850.00	50.00	160.32	0.00	0.00	0.00	301.00	0.00	0.00	0.00	11345.28	7173.74	0.00	0.00	4171.54
259+00	25900.00	50.00	157.97	0.00	0.00	0.00	294.71	0.00	0.00	0.00	11639.99	7173.74	0.00	0.00	4466.26
259+50	25950.00	50.00	147.36	0.00	0.00	0.00	282.71	0.00	0.00	0.00	11922.71	7173.74	0.00	0.00	4748.97
260+00	26000.00	50.00	131.40	0.00	0.00	0.00	258.11	0.00	0.00	0.00	12180.82	7173.74	0.00	0.00	5007.08
260+50	26050.00	50.00	117.99	0.00	0.00	0.00	230.92	0.00	0.00	0.00	12411.73	7173.74	0.00	0.00	5238.00
261+00	26100.00	50.00	111.14	0.00	0.00	0.00	212.16	0.00	0.00	0.00	12623.89	7173.74	0.00	0.00	5450.16
261+50	26150.00	50.00	112.45	0.00	0.00	0.00	207.03	0.00	0.00	0.00	12830.92	7173.74	0.00	0.00	5657.18
262+00	26200.00	50.00	103.86	0.00	0.00	0.00	200.29	0.00	0.00	0.00	13031.21	7173.74	0.00	0.00	5857.47
262+50	26250.00	50.00	99.20	0.00	0.00	0.00	188.02	0.00	0.00	0.00	13219.22	7173.74	0.00	0.00	6045.49
263+00	26300.00	50.00	96.26	0.00	0.00	0.00	180.98	0.00	0.00	0.00	13400.21	7173.74	0.00	0.00	6226.47
263+50	26350.00	50.00	90.61	0.00	0.00	0.00	173.03	0.00	0.00	0.00	13573.23	7173.74	0.00	0.00	6399.50
264+00	26400.00	50.00	86.64	0.00	0.00	0.00	164.12	0.00	0.00	0.00	13737.35	7173.74	0.00	0.00	6563.62
264+50	26450.00	50.00	86.37	0.00	0.00	0.00	160.19	0.00	0.00	0.00	13897.55	7173.74	0.00	0.00	6723.81
265+00	26500.00	50.00	84.44	0.00	0.00	0.00	158.16	0.00	0.00	0.00	14055.71	7173.74	0.00	0.00	6881.97
265+06	26506.00	6.00	84.19	0.00	0.00	0.00	18.74	0.00	0.00	0.00	14074.44	7173.74	0.00	0.00	6900.71

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew58 PLOT SCALE : 1:1

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
265+06	26506.00	0.00	88.65	0.00	44.75	0.00	0.00	0.00	0.00	0.00	14074.44	7173.74	0.00	0.00	6900.71
265+50	26550.00	44.00	97.25	0.00	28.88	0.00	151.47	0.00	59.99	0.00	14225.92	7245.73	0.00	0.00	6980.19
266+00	26600.00	50.00	93.13	0.00	24.79	0.00	176.28	0.00	49.69	0.00	14402.19	7305.36	0.00	0.00	7096.83
266+50	26650.00	50.00	88.47	0.00	37.87	0.00	168.15	0.00	58.02	0.00	14570.34	7374.98	0.00	0.00	7195.36
267+00	26700.00	50.00	84.53	0.00	42.31	0.00	160.19	0.00	74.24	0.00	14730.53	7464.07	0.00	0.00	7266.45
267+50	26750.00	50.00	81.57	0.00	38.28	0.00	153.80	0.00	74.62	0.00	14884.32	7553.62	0.00	0.00	7330.71
268+00	26800.00	50.00	68.59	0.00	39.23	0.00	139.04	0.00	71.77	0.00	15023.36	7639.74	0.00	0.00	7383.62
268+16	26816.00	16.00	63.67	0.00	41.47	0.00	39.19	0.00	23.91	0.00	15062.55	7668.43	0.00	0.00	7394.12
268+16	26816.00	0.00	64.46	0.00	83.90	0.00	0.00	0.00	0.00	0.00	15062.55	7668.43	0.00	0.00	7394.12
268+50	26850.00	34.00	53.65	0.00	106.72	0.00	74.37	0.00	120.02	0.00	15136.91	7812.46	0.00	0.00	7324.46
269+00	26900.00	50.00	38.11	0.00	125.86	0.00	84.96	0.00	215.35	0.00	15221.88	8070.88	0.00	0.00	7151.00
269+50	26950.00	50.00	28.84	0.00	148.96	0.00	61.99	0.00	254.46	0.00	15283.87	8376.24	0.00	0.00	6907.63
270+00	27000.00	50.00	22.35	0.00	166.41	0.00	47.40	0.00	292.01	0.00	15331.27	8726.65	0.00	0.00	6604.62
270+50	27050.00	50.00	16.35	0.00	169.59	0.00	35.83	0.00	311.11	0.00	15367.10	9099.98	0.00	0.00	6267.12
271+00	27100.00	50.00	11.42	0.00	154.10	0.00	25.71	0.00	299.71	0.00	15392.81	9459.64	0.00	0.00	5933.18
271+50	27150.00	50.00	6.16	0.00	145.37	0.00	16.28	0.00	277.29	0.00	15409.09	9792.38	0.00	0.00	5616.71
271+50	27150.00	0.00	6.24	0.00	28.08	0.00	0.00	0.00	0.00	0.00	15409.09	9792.38	0.00	0.00	5616.71
272+00	27200.00	50.00	4.61	0.00	35.86	0.00	10.05	0.00	59.20	0.00	15419.14	9863.42	0.00	0.00	5555.71
272+50	27250.00	50.00	5.38	0.00	37.73	0.00	9.25	0.00	68.14	0.00	15428.39	9945.19	0.00	0.00	5483.20

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
272+50	27250.00	0.00	5.43	0.00	37.60	0.00	0.00	0.00	0.00	0.00	15428.39	9945.19	0.00	0.00	5483.20
273+00	27300.00	50.00	10.59	0.00	28.96	0.00	14.83	0.00	61.63	0.00	15443.22	10019.15	0.00	0.00	5424.07
273+50	27350.00	50.00	25.72	0.00	28.04	0.00	33.62	0.00	52.78	0.00	15476.84	10082.48	0.00	0.00	5394.36
274+00	27400.00	50.00	52.27	0.00	21.37	0.00	72.21	0.00	45.75	0.00	15549.05	10137.38	0.00	0.00	5411.67
274+50	27450.00	50.00	78.97	0.00	18.92	0.00	121.52	0.00	37.31	0.00	15670.57	10182.15	0.00	0.00	5488.43
275+00	27500.00	50.00	102.67	0.00	11.94	0.00	168.19	0.00	28.57	0.00	15838.76	10216.44	0.00	0.00	5622.32
275+50	27550.00	50.00	119.81	0.00	7.41	0.00	206.00	0.00	17.92	0.00	16044.76	10237.94	0.00	0.00	5806.82
276+00	27600.00	50.00	146.11	0.00	0.12	0.00	246.22	0.00	6.97	0.00	16290.98	10246.30	0.00	0.00	6044.68
276+00	27600.00	0.00	19.13	0.00	0.05	0.00	0.00	0.00	0.00	0.00	16290.98	10246.30	0.00	0.00	6044.68
276+50	27650.00	50.00	33.53	0.00	0.00	0.00	48.76	0.00	0.05	0.00	16339.74	10246.36	0.00	0.00	6093.38
277+00	27700.00	50.00	30.72	0.00	0.00	0.00	59.49	0.00	0.00	0.00	16399.23	10246.36	0.00	0.00	6152.87
277+43	27743.00	43.00	33.19	0.00	0.00	0.00	50.89	0.00	0.00	0.00	16450.12	10246.36	0.00	0.00	6203.76
277+43	27743.00	0.00	72.90	0.00	0.19	0.00	0.00	0.00	0.00	0.00	16450.12	10246.36	0.00	0.00	6203.76
277+50	27750.00	7.00	75.23	0.00	0.20	0.00	19.20	0.00	0.05	0.00	16469.32	10246.42	0.00	0.00	6222.90
278+00	27800.00	50.00	78.06	0.00	1.15	0.00	141.94	0.00	1.25	0.00	16611.26	10247.92	0.00	0.00	6363.34
278+30 BK	27830.00	30.00	83.21	0.00	0.00	0.00	89.59	0.00	0.64	0.00	16700.85	10248.68	0.00	0.00	6452.17
Column totals							22544.73	0.00	14229.63	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
312+00 AH	31200.00	0.00	347.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312+50	31250.00	50.00	328.68	0.00	0.00	0.00	625.88	0.00	0.00	0.00	625.88	0.00	0.00	0.00	625.88
313+00	31300.00	50.00	302.74	0.00	0.00	0.00	584.65	0.00	0.00	0.00	1210.53	0.00	0.00	0.00	1210.53
313+00	31300.00	0.00	514.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1210.53	0.00	0.00	0.00	1210.53
313+50	31350.00	50.00	476.90	0.00	0.00	0.00	917.67	0.00	0.00	0.00	2128.19	0.00	0.00	0.00	2128.19
314+00	31400.00	50.00	440.95	0.00	0.00	0.00	849.86	0.00	0.00	0.00	2978.06	0.00	0.00	0.00	2978.06
314+50	31450.00	50.00	404.39	0.00	0.00	0.00	782.72	0.00	0.00	0.00	3760.78	0.00	0.00	0.00	3760.78
315+00	31500.00	50.00	366.14	0.00	0.00	0.00	713.45	0.00	0.00	0.00	4474.23	0.00	0.00	0.00	4474.23
315+50	31550.00	50.00	335.18	0.00	0.00	0.00	649.37	0.00	0.00	0.00	5123.60	0.00	0.00	0.00	5123.60
316+00	31600.00	50.00	294.45	0.00	0.00	0.00	582.99	0.00	0.00	0.00	5706.59	0.00	0.00	0.00	5706.59
316+50	31650.00	50.00	255.36	0.00	0.00	0.00	509.08	0.00	0.00	0.00	6215.68	0.00	0.00	0.00	6215.68
317+00	31700.00	50.00	218.29	0.00	0.00	0.00	438.56	0.00	0.00	0.00	6654.24	0.00	0.00	0.00	6654.24
317+50	31750.00	50.00	183.34	0.00	0.00	0.00	371.88	0.00	0.00	0.00	7026.12	0.00	0.00	0.00	7026.12
318+00	31800.00	50.00	153.80	0.00	0.00	0.00	312.17	0.00	0.00	0.00	7338.29	0.00	0.00	0.00	7338.29
318+50	31850.00	50.00	137.45	0.00	0.00	0.00	269.68	0.00	0.00	0.00	7607.96	0.00	0.00	0.00	7607.96
319+00	31900.00	50.00	115.14	0.00	0.00	0.00	233.88	0.00	0.00	0.00	7841.84	0.00	0.00	0.00	7841.84
319+50	31950.00	50.00	94.42	0.00	0.00	0.00	194.04	0.00	0.00	0.00	8035.88	0.00	0.00	0.00	8035.88
320+00	32000.00	50.00	81.28	0.00	0.00	0.00	162.69	0.00	0.00	0.00	8198.56	0.00	0.00	0.00	8198.56
320+50 BK	32050.00	50.00	90.83	0.00	0.00	0.00	159.36	0.00	0.00	0.00	8357.93	0.00	0.00	0.00	8357.93
					Column totals		8357.93	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
320+50 AH	32050.00	0.00	90.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
321+00	32100.00	50.00	110.33	0.00	0.00	0.00	186.24	0.00	0.00	0.00	186.24	0.00	0.00	0.00	186.24
321+50	32150.00	50.00	143.83	0.00	0.00	0.00	235.33	0.00	0.00	0.00	421.57	0.00	0.00	0.00	421.57
322+00	32200.00	50.00	172.58	0.00	0.00	0.00	292.97	0.00	0.00	0.00	714.55	0.00	0.00	0.00	714.55
322+50	32250.00	50.00	194.81	0.00	0.00	0.00	340.18	0.00	0.00	0.00	1054.72	0.00	0.00	0.00	1054.72
323+00	32300.00	50.00	223.34	0.00	0.00	0.00	387.18	0.00	0.00	0.00	1441.90	0.00	0.00	0.00	1441.90
323+50	32350.00	50.00	239.90	0.00	0.00	0.00	428.93	0.00	0.00	0.00	1870.82	0.00	0.00	0.00	1870.82
324+00	32400.00	50.00	255.60	0.00	0.00	0.00	458.80	0.00	0.00	0.00	2329.62	0.00	0.00	0.00	2329.62
324+50	32450.00	50.00	273.94	0.00	0.00	0.00	490.31	0.00	0.00	0.00	2819.94	0.00	0.00	0.00	2819.94
325+00	32500.00	50.00	305.81	0.00	0.00	0.00	536.81	0.00	0.00	0.00	3356.74	0.00	0.00	0.00	3356.74
325+50	32550.00	50.00	345.71	0.00	0.00	0.00	603.26	0.00	0.00	0.00	3960.00	0.00	0.00	0.00	3960.00
326+00	32600.00	50.00	374.52	0.00	0.00	0.00	666.88	0.00	0.00	0.00	4626.88	0.00	0.00	0.00	4626.88
326+50	32650.00	50.00	411.50	0.00	0.00	0.00	727.80	0.00	0.00	0.00	5354.68	0.00	0.00	0.00	5354.68
327+00	32700.00	50.00	449.27	0.00	0.00	0.00	797.01	0.00	0.00	0.00	6151.69	0.00	0.00	0.00	6151.69
327+00	32700.00	0.00	246.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6151.69	0.00	0.00	0.00	6151.69
327+50	32750.00	50.00	273.81	0.00	0.00	0.00	481.98	0.00	0.00	0.00	6633.67	0.00	0.00	0.00	6633.67
328+00	32800.00	50.00	291.08	0.00	0.00	0.00	523.05	0.00	0.00	0.00	7156.71	0.00	0.00	0.00	7156.71
328+00	32800.00	0.00	146.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7156.71	0.00	0.00	0.00	7156.71
328+50	32850.00	50.00	151.63	0.00	0.00	0.00	275.81	0.00	0.00	0.00	7432.53	0.00	0.00	0.00	7432.53
329+00	32900.00	50.00	128.73	0.00	0.00	0.00	259.59	0.00	0.00	0.00	7692.12	0.00	0.00	0.00	7692.12
329+50	32950.00	50.00	118.11	0.00	0.00	0.00	228.56	0.00	0.00	0.00	7920.68	0.00	0.00	0.00	7920.68
330+00 BK	33000.00	50.00	120.32	0.00	0.00	0.00	220.77	0.00	0.00	0.00	8141.44	0.00	0.00	0.00	8141.44

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
349+50 AH	34950.00	0.00	18.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350+00	35000.00	50.00	14.11	0.00	0.00	0.00	29.92	0.00	0.00	0.00	29.92	0.00	0.00	0.00	29.92
350+50	35050.00	50.00	11.56	0.00	0.00	0.00	23.77	0.00	0.00	0.00	53.69	0.00	0.00	0.00	53.69
351+00	35100.00	50.00	11.95	0.00	0.00	0.00	21.77	0.00	0.00	0.00	75.45	0.00	0.00	0.00	75.45
351+50	35150.00	50.00	15.02	0.00	0.00	0.00	24.97	0.00	0.00	0.00	100.43	0.00	0.00	0.00	100.43
352+00	35200.00	50.00	20.12	0.00	0.00	0.00	32.54	0.00	0.00	0.00	132.96	0.00	0.00	0.00	132.96
352+50	35250.00	50.00	26.26	0.00	0.00	0.00	42.94	0.00	0.00	0.00	175.91	0.00	0.00	0.00	175.91
353+00	35300.00	50.00	31.56	0.00	0.00	0.00	53.54	0.00	0.00	0.00	229.44	0.00	0.00	0.00	229.44
353+31 BK	35331.33	31.33	33.86	0.00	0.00	0.00	37.96	0.00	0.00	0.00	267.40	0.00	0.00	0.00	267.40
					Column totals		8408.84	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 USH 45 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
319+80 AH	31980.00	0.00	50.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320+00	32000.00	20.00	44.98	0.00	0.00	0.00	35.32	0.00	0.00	0.00	35.32	0.00	0.00	0.00	35.32
320+50	32050.00	50.00	49.17	0.00	0.00	0.00	87.18	0.00	0.00	0.00	122.49	0.00	0.00	0.00	122.49
321+00	32100.00	50.00	53.59	0.00	0.00	0.00	95.15	0.00	0.00	0.00	217.64	0.00	0.00	0.00	217.64
321+50	32150.00	50.00	59.60	0.00	0.00	0.00	104.81	0.00	0.00	0.00	322.45	0.00	0.00	0.00	322.45
322+00 BK	32200.00	50.00	50.28	0.00	0.00	0.00	101.74	0.00	0.00	0.00	424.19	0.00	0.00	0.00	424.19
					Column totals		424.19	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
88+00 AH	8800.00	0.00	78.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88+50	8850.00	50.00	77.19	0.00	0.00	0.00	144.11	0.00	0.00	0.00	144.11	0.00	0.00	0.00	144.11
89+00	8900.00	50.00	76.18	0.00	0.00	0.00	142.01	0.00	0.00	0.00	286.12	0.00	0.00	0.00	286.12
89+50	8950.00	50.00	74.39	0.00	0.00	0.00	139.42	0.00	0.00	0.00	425.54	0.00	0.00	0.00	425.54
90+00	9000.00	50.00	70.55	0.00	0.00	0.00	134.20	0.00	0.00	0.00	559.74	0.00	0.00	0.00	559.74
90+50	9050.00	50.00	65.91	0.00	0.00	0.00	126.35	0.00	0.00	0.00	686.09	0.00	0.00	0.00	686.09
91+00	9100.00	50.00	61.13	0.00	0.00	0.00	117.63	0.00	0.00	0.00	803.72	0.00	0.00	0.00	803.72
91+50	9150.00	50.00	56.23	0.00	0.00	0.00	108.67	0.00	0.00	0.00	912.39	0.00	0.00	0.00	912.39
92+00	9200.00	50.00	49.37	0.00	0.00	0.00	97.78	0.00	0.00	0.00	1010.17	0.00	0.00	0.00	1010.17
92+50	9250.00	50.00	42.03	0.00	0.00	0.00	84.63	0.00	0.00	0.00	1094.80	0.00	0.00	0.00	1094.80
93+00	9300.00	50.00	32.11	0.00	0.00	0.00	68.65	0.00	0.00	0.00	1163.44	0.00	0.00	0.00	1163.44
93+50	9350.00	50.00	22.95	0.00	0.00	0.00	50.98	0.00	0.00	0.00	1214.43	0.00	0.00	0.00	1214.43
94+00	9400.00	50.00	30.89	0.00	0.00	0.00	49.85	0.00	0.00	0.00	1264.28	0.00	0.00	0.00	1264.28
94+50	9450.00	50.00	13.18	0.00	0.00	0.00	40.81	0.00	0.00	0.00	1305.08	0.00	0.00	0.00	1305.08
95+00	9500.00	50.00	3.14	0.00	4.80	0.00	15.11	0.00	4.44	0.00	1320.19	5.33	0.00	0.00	1314.86
95+50	9550.00	50.00	0.46	0.00	13.15	0.00	3.33	0.00	16.62	0.00	1323.53	25.28	0.00	0.00	1298.25
96+00	9600.00	50.00	0.00	0.00	20.99	0.00	0.43	0.00	31.61	0.00	1323.95	63.21	0.00	0.00	1260.74
96+50	9650.00	50.00	0.00	0.00	27.00	0.00	0.00	0.00	44.44	0.00	1323.95	116.53	0.00	0.00	1207.42
97+00	9700.00	50.00	0.00	0.00	28.79	0.00	0.00	0.00	51.66	0.00	1323.95	178.52	0.00	0.00	1145.43
97+50	9750.00	50.00	0.00	0.00	30.48	0.00	0.00	0.00	54.88	0.00	1323.95	244.38	0.00	0.00	1079.58
98+00	9800.00	50.00	0.00	0.00	32.35	0.00	0.00	0.00	58.18	0.00	1323.95	314.19	0.00	0.00	1009.76
98+50	9850.00	50.00	0.00	0.00	35.55	0.00	0.00	0.00	62.87	0.00	1323.95	389.63	0.00	0.00	934.32
99+00	9900.00	50.00	0.00	0.00	50.01	0.00	0.00	0.00	79.22	0.00	1323.95	484.70	0.00	0.00	839.25
99+40	9940.14	40.14	0.00	0.00	49.20	0.00	0.00	0.00	73.75	0.00	1323.95	573.20	0.00	0.00	750.76
99+45 BK	9945.45	5.31	0.00	0.00	48.22	0.00	0.00	0.00	9.58	0.00	1323.95	584.69	0.00	0.00	739.26

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
102+17 AH	10216.66	0.00	0.00	0.00	55.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+22	10221.98	5.32	0.00	0.00	57.31	0.00	0.00	0.00	11.14	0.00	0.00	13.37	0.00	0.00	-13.37
102+50	10250.00	28.02	0.00	0.00	68.83	0.00	0.00	0.00	65.45	0.00	0.00	91.91	0.00	0.00	-91.91
103+00	10300.00	50.00	0.00	0.00	80.73	0.00	0.00	0.00	138.48	0.00	0.00	258.09	0.00	0.00	-258.09
103+50	10350.00	50.00	0.00	0.00	92.62	0.00	0.00	0.00	160.51	0.00	0.00	450.70	0.00	0.00	-450.70
104+00	10400.00	50.00	0.00	0.00	100.91	0.00	0.00	0.00	179.19	0.00	0.00	665.73	0.00	0.00	-665.73
104+50	10450.00	50.00	0.00	0.00	99.71	0.00	0.00	0.00	185.76	0.00	0.00	888.64	0.00	0.00	-888.64
105+00	10500.00	50.00	0.00	0.00	86.08	0.00	0.00	0.00	172.03	0.00	0.00	1095.08	0.00	0.00	-1095.08
105+50	10550.00	50.00	0.00	0.00	62.64	0.00	0.00	0.00	137.70	0.00	0.00	1260.32	0.00	0.00	-1260.32
106+00	10600.00	50.00	0.00	0.00	40.88	0.00	0.00	0.00	95.85	0.00	0.00	1375.34	0.00	0.00	-1375.34
106+50	10650.00	50.00	0.04	0.00	18.41	0.00	0.04	0.00	54.90	0.00	0.04	1441.22	0.00	0.00	-1441.18
107+00	10700.00	50.00	11.10	0.00	4.26	0.00	10.31	0.00	20.99	0.00	10.35	1466.41	0.00	0.00	-1456.06
107+50	10750.00	50.00	32.36	0.00	0.00	0.00	40.24	0.00	3.94	0.00	50.59	1471.14	0.00	0.00	-1420.55
108+00	10800.00	50.00	54.38	0.00	0.00	0.00	80.31	0.00	0.00	0.00	130.91	1471.14	0.00	0.00	-1340.24
108+50	10850.00	50.00	67.61	0.00	0.00	0.00	112.95	0.00	0.00	0.00	243.86	1471.14	0.00	0.00	-1227.28
109+00	10900.00	50.00	69.50	0.00	0.00	0.00	126.95	0.00	0.00	0.00	370.81	1471.14	0.00	0.00	-1100.33
109+50	10950.00	50.00	63.27	0.00	0.00	0.00	122.94	0.00	0.00	0.00	493.75	1471.14	0.00	0.00	-977.39
110+00	11000.00	50.00	39.85	0.00	0.00	0.00	95.48	0.00	0.00	0.00	589.23	1471.14	0.00	0.00	-881.91
110+50	11050.00	50.00	11.19	0.00	2.27	0.00	47.26	0.00	2.10	0.00	636.49	1473.67	0.00	0.00	-837.18
111+00	11100.00	50.00	0.00	0.00	26.21	0.00	10.36	0.00	26.37	0.00	646.85	1505.31	0.00	0.00	-858.46
111+25 BK	11124.67	24.67	0.00	0.00	45.80	0.00	0.00	0.00	32.90	0.00	646.85	1544.79	0.00	0.00	-897.94

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
112+73 AH	11273.43	0.00	0.00	0.00	1064.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113+00	11300.00	26.57	0.00	0.00	506.52		0.00	0.00	773.09	0.00	0.00	927.71	0.00	0.00	-927.71
113+50	11350.00	50.00	0.00	0.00	259.36	0.00	0.00	0.00	709.15	0.00	0.00	1778.68	0.00	0.00	-1778.68
114+00	11400.00	50.00	0.00	0.00	317.26	0.00	0.00	0.00	533.91	0.00	0.00	2419.37	0.00	0.00	-2419.37
114+50	11450.00	50.00	0.00	0.00	378.10	0.00	0.00	0.00	643.85	0.00	0.00	3192.00	0.00	0.00	-3192.00
115+00	11500.00	50.00	0.00	0.00	449.77	0.00	0.00	0.00	766.55	0.00	0.00	4111.85	0.00	0.00	-4111.85
115+50	11550.00	50.00	0.00	0.00	532.33	0.00	0.00	0.00	909.35	0.00	0.00	5203.07	0.00	0.00	-5203.07
116+00	11600.00	50.00	0.00	0.00	613.27	0.00	0.00	0.00	1060.74	0.00	0.00	6475.96	0.00	0.00	-6475.96
116+50	11650.00	50.00	0.00	0.00	684.66	0.00	0.00	0.00	1201.79	0.00	0.00	7918.11	0.00	0.00	-7918.11
117+00	11700.00	50.00	0.00	0.00	575.06	0.00	0.00	0.00	1166.41	0.00	0.00	9317.80	0.00	0.00	-9317.80
117+00	11700.00	0.00	0.00	0.00	457.81	0.00	0.00	0.00	0.00	0.00	0.00	9317.80	0.00	0.00	-9317.80
117+50	11750.00	50.00	0.00	0.00	487.48	0.00	0.00	0.00	875.27	0.00	0.00	10368.12	0.00	0.00	-10368.12
118+00	11800.00	50.00	0.00	0.00	507.24	0.00	0.00	0.00	921.04	0.00	0.00	11473.36	0.00	0.00	-11473.36
118+50	11850.00	50.00	0.00	0.00	517.20	0.00	0.00	0.00	948.56	0.00	0.00	12611.63	0.00	0.00	-12611.63
119+00	11900.00	50.00	0.00	0.00	519.68	0.00	0.00	0.00	960.07	0.00	0.00	13763.72	0.00	0.00	-13763.72
119+50	11950.00	50.00	0.00	0.00	516.03	0.00	0.00	0.00	958.99	0.00	0.00	14914.51	0.00	0.00	-14914.51
120+00	12000.00	50.00	0.00	0.00	508.61	0.00	0.00	0.00	948.74	0.00	0.00	16053.00	0.00	0.00	-16053.00
120+50	12050.00	50.00	0.00	0.00	493.12	0.00	0.00	0.00	927.53	0.00	0.00	17166.03	0.00	0.00	-17166.03
121+00	12100.00	50.00	0.00	0.00	467.95	0.00	0.00	0.00	889.88	0.00	0.00	18233.88	0.00	0.00	-18233.88
121+50	12150.00	50.00	0.00	0.00	437.37	0.00	0.00	0.00	838.26	0.00	0.00	19239.80	0.00	0.00	-19239.80
122+00	12200.00	50.00	0.00	0.00	404.60	0.00	0.00	0.00	779.60	0.00	0.00	20175.32	0.00	0.00	-20175.32
122+50	12250.00	50.00	0.00	0.00	368.32	0.00	0.00	0.00	715.67	0.00	0.00	21034.12	0.00	0.00	-21034.12
123+00	12300.00	50.00	0.00	0.00	332.87	0.00	0.00	0.00	649.25	0.00	0.00	21813.22	0.00	0.00	-21813.22
123+50	12350.00	50.00	0.00	0.00	294.55	0.00	0.00	0.00	580.94	0.00	0.00	22510.35	0.00	0.00	-22510.35
123+93	12392.51	42.51	0.00	0.00	259.09	0.00	0.00	0.00	435.84	0.00	0.00	23033.36	0.00	0.00	-23033.36
124+00	12400.00	7.49	0.00	0.00	251.94	0.00	0.00	0.00	70.88	0.00	0.00	23118.41	0.00	0.00	-23118.41
124+50	12450.00	50.00	0.00	0.00	216.68	0.00	0.00	0.00	433.91	0.00	0.00	23639.10	0.00	0.00	-23639.10
125+00	12500.00	50.00	0.00	0.00	180.28	0.00	0.00	0.00	367.56	0.00	0.00	24080.17	0.00	0.00	-24080.17
125+50	12550.00	50.00	0.00	0.00	153.77	0.00	0.00	0.00	309.31	0.00	0.00	24451.34	0.00	0.00	-24451.34
126+00	12600.00	50.00	0.00	0.00	140.03	0.00	0.00	0.00	272.04	0.00	0.00	24777.78	0.00	0.00	-24777.78
126+50	12650.00	50.00	0.00	0.00	139.83	0.00	0.00	0.00	259.13	0.00	0.00	25088.74	0.00	0.00	-25088.74
126+86	12685.83	35.83	0.00	0.00	289.69	0.00	0.00	0.00	284.99	0.00	0.00	25430.73	0.00	0.00	-25430.73
128+66	12865.50	179.67	0.00	0.00	722.51	0.00	0.00	0.00	3367.81	0.00	0.00	29472.11	0.00	0.00	-29472.11
129+11 BK	12911.00	45.50	0.00	0.00	0.00	0.00	0.00	0.00	608.78	0.00	0.00	30202.64	0.00	0.00	-30202.64

Notes:	
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4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
130+07 AH	13007.04	0.00	0.00	0.00	504.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132+30	13230.43	223.39	0.00	0.00	335.71	0.00	0.00	0.00	3474.05	0.00	0.00	4168.85	0.00	0.00	-4168.85
132+50	13250.00	19.57	0.00	0.00	344.87	0.00	0.00	0.00	246.65	0.00	0.00	4464.83	0.00	0.00	-4464.83
132+57	13257.16	7.16	0.00	0.00	348.28	0.00	0.00	0.00	91.91	0.00	0.00	4575.12	0.00	0.00	-4575.12
133+00	13300.00	42.84	0.00	0.00	366.26	0.00	0.00	0.00	566.87	0.00	0.00	5255.36	0.00	0.00	-5255.36
133+50	13350.00	50.00	0.00	0.00	376.58	0.00	0.00	0.00	687.81	0.00	0.00	6080.74	0.00	0.00	-6080.74
133+89	13388.58	38.58	0.00	0.00	377.69	0.00	0.00	0.00	538.88	0.00	0.00	6727.40	0.00	0.00	-6727.40
133+89	13388.58	0.00	0.00	0.00	377.70	0.00	0.00	0.00	0.00	0.00	0.00	6727.40	0.00	0.00	-6727.40
134+00	13400.00	11.42	0.00	0.00	376.94	0.00	0.00	0.00	159.59	0.00	0.00	6918.91	0.00	0.00	-6918.91
134+50	13450.00	50.00	0.00	0.00	368.57	0.00	0.00	0.00	690.29	0.00	0.00	7747.26	0.00	0.00	-7747.26
135+00	13500.00	50.00	0.00	0.00	347.16	0.00	0.00	0.00	662.71	0.00	0.00	8542.51	0.00	0.00	-8542.51
135+50	13550.00	50.00	0.00	0.00	306.18	0.00	0.00	0.00	604.94	0.00	0.00	9268.44	0.00	0.00	-9268.44
136+00	13600.00	50.00	0.00	0.00	249.86	0.00	0.00	0.00	514.85	0.00	0.00	9886.27	0.00	0.00	-9886.27
136+50	13650.00	50.00	0.00	0.00	186.92	0.00	0.00	0.00	404.43	0.00	0.00	10371.58	0.00	0.00	-10371.58
136+53	13652.65	2.65	0.00	0.00	183.72	0.00	0.00	0.00	18.19	0.00	0.00	10393.40	0.00	0.00	-10393.40
137+00	13700.00	47.35	0.00	0.00	140.42	0.00	0.00	0.00	284.22	0.00	0.00	10734.47	0.00	0.00	-10734.47
137+50	13750.00	50.00	0.00	0.00	133.83	0.00	0.00	0.00	253.94	0.00	0.00	11039.19	0.00	0.00	-11039.19
138+00	13800.00	50.00	0.00	0.00	137.50	0.00	0.00	0.00	251.23	0.00	0.00	11340.67	0.00	0.00	-11340.67
138+50	13850.00	50.00	0.00	0.00	151.86	0.00	0.00	0.00	267.93	0.00	0.00	11662.18	0.00	0.00	-11662.18
139+00	13900.00	50.00	0.00	0.00	104.60	0.00	0.00	0.00	237.46	0.00	0.00	11947.14	0.00	0.00	-11947.14
139+50	13950.00	50.00	0.00	0.00	63.19	0.00	0.00	0.00	155.36	0.00	0.00	12133.57	0.00	0.00	-12133.57
140+00	14000.00	50.00	0.02	0.00	43.12	0.00	0.02	0.00	98.44	0.00	0.02	12251.69	0.00	0.00	-12251.67
140+50	14050.00	50.00	0.01	0.00	35.55	0.00	0.03	0.00	72.84	0.00	0.05	12339.10	0.00	0.00	-12339.06
141+00	14100.00	50.00	0.18	0.00	27.61	0.00	0.18	0.00	58.48	0.00	0.22	12409.28	0.00	0.00	-12409.06
141+50	14150.00	50.00	0.40	0.00	18.41	0.00	0.54	0.00	42.61	0.00	0.76	12460.42	0.00	0.00	-12459.66
142+00	14200.00	50.00	0.84	0.00	8.04	0.00	1.15	0.00	24.49	0.00	1.91	12489.80	0.00	0.00	-12487.90
142+50	14250.00	50.00	0.45	0.00	11.57	0.00	1.19	0.00	18.16	0.00	3.10	12511.59	0.00	0.00	-12508.49
143+00	14300.00	50.00	0.07	0.00	13.18	0.00	0.48	0.00	22.92	0.00	3.58	12539.09	0.00	0.00	-12535.51

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
143+00	14300.00	0.00	0.07	0.00	24.32	0.00	0.00	0.00	0.00	0.00	3.58	12539.09	0.00	0.00	-12535.51
143+50	14350.00	50.00	1.04	0.00	10.83	0.00	1.03	0.00	32.55	0.00	4.61	12578.15	0.00	0.00	-12573.54
144+00	14400.00	50.00	13.29	0.00	0.11	0.00	13.27	0.00	10.13	0.00	17.88	12590.30	0.00	0.00	-12572.42
144+50	14450.00	50.00	39.61	0.00	0.80	0.00	48.98	0.00	0.84	0.00	66.86	12591.32	0.00	0.00	-12524.45
145+00	14500.00	50.00	70.88	0.00	0.67	0.00	102.31	0.00	1.36	0.00	169.17	12592.95	0.00	0.00	-12423.78
145+22	14522.00	22.00	82.82	0.00	0.54	0.00	62.62	0.00	0.49	0.00	231.79	12593.54	0.00	0.00	-12361.76
145+22	14522.00	0.00	100.16	0.00	1.41	0.00	0.00	0.00	0.00	0.00	231.79	12593.54	0.00	0.00	-12361.76
145+50	14550.00	28.00	119.91	0.00	0.53	0.00	114.11	0.00	1.01	0.00	345.90	12594.75	0.00	0.00	-12248.85
146+00	14600.00	50.00	142.80	0.00	0.11	0.00	243.25	0.00	0.59	0.00	589.15	12595.46	0.00	0.00	-12006.31
146+50	14650.00	50.00	153.80	0.00	0.12	0.00	274.63	0.00	0.21	0.00	863.78	12595.71	0.00	0.00	-11731.94
147+00 BK	14700.00	50.00	168.18	0.00	0.17	0.00	298.13	0.00	0.27	0.00	1161.90	12596.04	0.00	0.00	-11434.13
						Column totals	3132.71	0.00	37440.13	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
196+19 AH	19619.05	0.00	6824.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196+50	19650.00	30.95	6296.94	0.00	0.00	0.00	7521.14	0.00	0.00	0.00	7521.14	0.00	0.00	0.00	7521.14
197+00	19700.00	50.00	5108.87	0.00	0.00	0.00	10560.94	0.00	0.00	0.00	18082.08	0.00	0.00	0.00	18082.08
197+50	19750.00	50.00	3692.45	0.00	0.00	0.00	8149.37	0.00	0.00	0.00	26231.45	0.00	0.00	0.00	26231.45
198+00	19800.00	50.00	3172.10	0.00	0.00	0.00	6356.06	0.00	0.00	0.00	32587.51	0.00	0.00	0.00	32587.51
198+50	19850.00	50.00	2962.88	0.00	0.00	0.00	5680.54	0.00	0.00	0.00	38268.05	0.00	0.00	0.00	38268.05
199+00	19900.00	50.00	1839.48	0.00	0.00	0.00	4446.63	0.00	0.00	0.00	42714.68	0.00	0.00	0.00	42714.68
199+50	19950.00	50.00	1673.79	0.00	0.00	0.00	3253.03	0.00	0.00	0.00	45967.71	0.00	0.00	0.00	45967.71
200+00	20000.00	50.00	1486.04	0.00	0.00	0.00	2925.77	0.00	0.00	0.00	48893.48	0.00	0.00	0.00	48893.48
200+50	20050.00	50.00	1291.98	0.00	0.00	0.00	2572.24	0.00	0.00	0.00	51465.72	0.00	0.00	0.00	51465.72
201+00	20100.00	50.00	1179.87	0.00	0.00	0.00	2288.75	0.00	0.00	0.00	53754.47	0.00	0.00	0.00	53754.47
201+50	20150.00	50.00	1081.46	0.00	0.00	0.00	2093.82	0.00	0.00	0.00	55848.29	0.00	0.00	0.00	55848.29
202+00	20200.00	50.00	979.97	0.00	0.00	0.00	1908.73	0.00	0.00	0.00	57757.02	0.00	0.00	0.00	57757.02
202+50	20250.00	50.00	904.64	0.00	0.00	0.00	1745.01	0.00	0.00	0.00	59502.03	0.00	0.00	0.00	59502.03
203+00	20300.00	50.00	750.11	0.00	0.00	0.00	1532.18	0.00	0.00	0.00	61034.21	0.00	0.00	0.00	61034.21
203+50	20350.00	50.00	664.31	0.00	0.00	0.00	1309.65	0.00	0.00	0.00	62343.86	0.00	0.00	0.00	62343.86
204+00	20400.00	50.00	589.92	0.00	0.00	0.00	1161.32	0.00	0.00	0.00	63505.18	0.00	0.00	0.00	63505.18
204+50	20450.00	50.00	522.54	0.00	0.00	0.00	1030.06	0.00	0.00	0.00	64535.24	0.00	0.00	0.00	64535.24
205+00	20500.00	50.00	460.39	0.00	0.00	0.00	910.12	0.00	0.00	0.00	65445.36	0.00	0.00	0.00	65445.36
205+50	20550.00	50.00	402.74	0.00	0.00	0.00	799.19	0.00	0.00	0.00	66244.55	0.00	0.00	0.00	66244.55
206+00	20600.00	50.00	341.44	0.00	0.00	0.00	689.06	0.00	0.00	0.00	66933.61	0.00	0.00	0.00	66933.61
206+50	20650.00	50.00	277.79	0.00	0.00	0.00	573.36	0.00	0.00	0.00	67506.97	0.00	0.00	0.00	67506.97
207+00	20700.00	50.00	225.05	0.00	0.00	0.00	465.59	0.00	0.00	0.00	67972.56	0.00	0.00	0.00	67972.56
207+50	20750.00	50.00	193.11	0.00	0.00	0.00	387.19	0.00	0.00	0.00	68359.75	0.00	0.00	0.00	68359.75
208+00 BK	20800.00	50.00	179.72	0.00	0.00	0.00	345.21	0.00	0.00	0.00	68704.96	0.00	0.00	0.00	68704.96
		Column totals					68704.96	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew70 PLOT SCALE : 1:1

Division 3 IH 94 WB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
129+84 AH	12984.08	0.00	0.00	0.00	89.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130+00	13000.00	15.92	0.00	0.00	40.40	0.00	0.00	0.00	38.37	0.00	0.00	46.04	0.00	0.00	-46.04
130+50	13050.00	50.00	0.00	0.00	32.84	0.00	0.00	0.00	67.81	0.00	0.00	127.42	0.00	0.00	-127.42
131+00	13100.00	50.00	0.00	0.00	45.70	0.00	0.00	0.00	72.72	0.00	0.00	214.69	0.00	0.00	-214.69
131+50	13150.00	50.00	0.00	0.00	56.82	0.00	0.00	0.00	94.93	0.00	0.00	328.60	0.00	0.00	-328.60
131+68	13168.18	18.18	0.00	0.00	61.07	0.00	0.00	0.00	39.69	0.00	0.00	376.22	0.00	0.00	-376.22
131+68	13168.18	0.00	0.00	0.00	61.06	0.00	0.00	0.00	0.00	0.00	0.00	376.22	0.00	0.00	-376.22
132+00	13200.00	31.82	0.00	0.00	68.02	0.00	0.00	0.00	76.06	0.00	0.00	467.50	0.00	0.00	-467.50
132+50	13250.00	50.00	0.00	0.00	78.88	0.00	0.00	0.00	136.02	0.00	0.00	630.72	0.00	0.00	-630.72
133+00	13300.00	50.00	0.00	0.00	88.33	0.00	0.00	0.00	154.82	0.00	0.00	816.51	0.00	0.00	-816.51
133+50	13350.00	50.00	0.00	0.00	95.02	0.00	0.00	0.00	169.77	0.00	0.00	1020.23	0.00	0.00	-1020.23
134+00	13400.00	50.00	0.00	0.00	97.29	0.00	0.00	0.00	178.06	0.00	0.00	1233.91	0.00	0.00	-1233.91
134+50	13450.00	50.00	0.00	0.00	95.23	0.00	0.00	0.00	178.26	0.00	0.00	1447.82	0.00	0.00	-1447.82
135+00	13500.00	50.00	0.00	0.00	88.52	0.00	0.00	0.00	170.14	0.00	0.00	1651.99	0.00	0.00	-1651.99
135+50	13550.00	50.00	0.00	0.00	76.89	0.00	0.00	0.00	153.16	0.00	0.00	1835.78	0.00	0.00	-1835.78
135+87	13586.79	36.79	0.00	0.00	66.12	0.00	0.00	0.00	97.43	0.00	0.00	1952.69	0.00	0.00	-1952.69

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew71 PLOT SCALE : 1:1

(CONTINUED)

Division 3 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
135+87	13586.79	0.00	0.00	0.00	66.12	0.00	0.00	0.00	0.00	0.00	0.00	1952.69	0.00	0.00	-1952.69
136+00	13600.00	13.21	0.00	0.00	61.55	0.00	0.00	0.00	31.23	0.00	0.00	1990.17	0.00	0.00	-1990.17
136+50	13650.00	50.00	0.00	0.00	45.23	0.00	0.00	0.00	98.87	0.00	0.00	2108.82	0.00	0.00	-2108.82
137+00	13700.00	50.00	0.00	0.00	33.08	0.00	0.00	0.00	72.51	0.00	0.00	2195.83	0.00	0.00	-2195.83
137+50	13750.00	50.00	0.00	0.00	23.50	0.00	0.00	0.00	52.39	0.00	0.00	2258.69	0.00	0.00	-2258.69
138+00	13800.00	50.00	0.00	0.00	11.60	0.00	0.00	0.00	32.50	0.00	0.00	2297.69	0.00	0.00	-2297.69
138+50	13850.00	50.00	0.00	0.00	0.96	0.00	0.00	0.00	11.63	0.00	0.00	2311.65	0.00	0.00	-2311.65
139+00	13900.00	50.00	7.26	0.00	0.01	0.00	6.72	0.00	0.90	0.00	6.72	2312.73	0.00	0.00	-2306.01
139+50	13950.00	50.00	13.66	0.00	0.01	0.00	19.37	0.00	0.02	0.00	26.09	2312.75	0.00	0.00	-2286.66
140+00	14000.00	50.00	18.86	0.00	0.01	0.00	30.11	0.00	0.02	0.00	56.20	2312.77	0.00	0.00	-2256.57
140+50	14050.00	50.00	21.66	0.00	0.01	0.00	37.52	0.00	0.02	0.00	93.72	2312.79	0.00	0.00	-2219.07
141+00	14100.00	50.00	23.47	0.00	0.01	0.00	41.79	0.00	0.02	0.00	135.51	2312.82	0.00	0.00	-2177.31
141+50	14150.00	50.00	25.27	0.00	0.02	0.00	45.13	0.00	0.03	0.00	180.64	2312.85	0.00	0.00	-2132.21
142+00	14200.00	50.00	26.99	0.00	0.01	0.00	48.39	0.00	0.03	0.00	229.03	2312.88	0.00	0.00	-2083.86
142+50	14250.00	50.00	26.30	0.00	0.02	0.00	49.34	0.00	0.03	0.00	278.37	2312.92	0.00	0.00	-2034.55
143+00	14300.00	50.00	27.45	0.00	0.02	0.00	49.77	0.00	0.04	0.00	328.14	2312.96	0.00	0.00	-1984.82
143+50	14350.00	50.00	32.17	0.00	0.02	0.00	55.20	0.00	0.04	0.00	383.34	2313.01	0.00	0.00	-1929.66
144+00	14400.00	50.00	34.48	0.00	2.32	0.00	61.71	0.00	2.17	0.00	445.06	2315.61	0.00	0.00	-1870.55
144+50	14450.00	50.00	33.27	0.00	6.50	0.00	62.73	0.00	8.17	0.00	507.79	2325.41	0.00	0.00	-1817.62
145+00 BK	14500.00	50.00	34.90	0.00	6.21	0.00	63.12	0.00	11.77	0.00	570.91	2339.53	0.00	0.00	-1768.62
Column totals			570.91	0.00	1949.61	0.00									

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
198+98 AH	19897.79	0.00	2337.30	0.00	139.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199+00	19900.00	2.21	2093.31	0.00	135.18	0.00	181.33	0.00	11.25	0.00	181.33	13.50	0.00	0.00	167.83
199+50	19950.00	50.00	1338.49	0.00	0.00	0.00	3177.59	0.00	125.17	0.00	3358.92	163.70	0.00	0.00	3195.22
200+00	20000.00	50.00	1274.92	0.00	0.00	0.00	2419.82	0.00	0.00	0.00	5778.74	163.70	0.00	0.00	5615.04
200+50	20050.00	50.00	1164.11	0.00	0.00	0.00	2258.36	0.00	0.00	0.00	8037.10	163.70	0.00	0.00	7873.40
201+00	20100.00	50.00	1022.77	0.00	0.00	0.00	2024.89	0.00	0.00	0.00	10061.99	163.70	0.00	0.00	9898.29
201+50	20150.00	50.00	967.72	0.00	0.00	0.00	1843.05	0.00	0.00	0.00	11905.04	163.70	0.00	0.00	11741.34
202+00	20200.00	50.00	362.91	0.00	6.62	0.00	1232.06	0.00	6.13	0.00	13137.10	171.06	0.00	0.00	12966.05
202+50	20250.00	50.00	270.63	0.00	3.03	0.00	586.61	0.00	8.94	0.00	13723.72	181.78	0.00	0.00	13541.94
203+00	20300.00	50.00	251.32	0.00	0.12	0.00	483.29	0.00	2.92	0.00	14207.00	185.28	0.00	0.00	14021.72
203+50	20350.00	50.00	253.30	0.00	0.17	0.00	467.24	0.00	0.27	0.00	14674.24	185.60	0.00	0.00	14488.64
204+00	20400.00	50.00	265.33	0.00	0.01	0.00	480.21	0.00	0.17	0.00	15154.46	185.80	0.00	0.00	14968.66
204+50	20450.00	50.00	240.29	0.00	0.00	0.00	468.17	0.00	0.01	0.00	15622.62	185.81	0.00	0.00	15436.81
204+55	20454.93	4.93	256.15	0.00	0.00	0.00	45.32	0.00	0.00	0.00	15667.95	185.81	0.00	0.00	15482.13
204+55	20454.93	0.00	237.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15667.95	185.81	0.00	0.00	15482.13
205+00	20500.00	45.07	382.71	0.00	0.00	0.00	517.40	0.00	0.00	0.00	16185.34	185.81	0.00	0.00	15999.53
205+50	20550.00	50.00	217.86	0.00	0.52	0.00	556.08	0.00	0.48	0.00	16741.42	186.39	0.00	0.00	16555.03
206+00	20600.00	50.00	186.41	0.00	0.00	0.00	374.32	0.00	0.48	0.00	17115.75	186.97	0.00	0.00	16928.78
206+50	20650.00	50.00	153.16	0.00	0.00	0.00	314.42	0.00	0.00	0.00	17430.17	186.97	0.00	0.00	17243.20
207+00	20700.00	50.00	132.43	0.00	0.00	0.00	264.44	0.00	0.00	0.00	17694.60	186.97	0.00	0.00	17507.63
207+50	20750.00	50.00	106.46	0.00	0.00	0.00	221.19	0.00	0.00	0.00	17915.80	186.97	0.00	0.00	17728.83
208+00	20800.00	50.00	70.32	0.00	0.00	0.00	163.69	0.00	0.00	0.00	18079.48	186.97	0.00	0.00	17892.51
208+00	20800.00	0.00	46.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18079.48	186.97	0.00	0.00	17892.51
208+50	20850.00	50.00	97.40	0.00	0.00	0.00	133.61	0.00	0.00	0.00	18213.09	186.97	0.00	0.00	18026.12
209+00	20900.00	50.00	98.42	0.00	0.00	0.00	181.31	0.00	0.00	0.00	18394.41	186.97	0.00	0.00	18207.44
209+50	20950.00	50.00	99.37	0.00	0.00	0.00	183.14	0.00	0.00	0.00	18577.55	186.97	0.00	0.00	18390.58
209+83 BK	20982.80	32.80	108.21	0.00	0.06	0.00	126.09	0.00	0.04	0.00	18703.63	187.01	0.00	0.00	18516.62
		Column totals					18703.63	0.00	155.84	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 RAMP SW

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
598+46 AH	59845.80	0.00	50.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
598+50	59850.00	4.20	44.63	0.00	0.00	0.00	7.37	0.00	0.00	0.00	7.37	0.00	0.00	0.00	7.37
598+95	59895.11	45.11	39.86	0.00	0.00	0.00	70.58	0.00	0.00	0.00	77.95	0.00	0.00	0.00	77.95
598+95	59895.11	0.00	107.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.95	0.00	0.00	0.00	77.95
599+00	59900.00	4.89	108.74	0.00	0.00	0.00	19.61	0.00	0.00	0.00	97.56	0.00	0.00	0.00	97.56
599+31	59930.66	30.66	85.69	0.00	0.00	0.00	110.39	0.00	0.00	0.00	207.96	0.00	0.00	0.00	207.96
599+31	59930.66	0.00	152.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	207.96	0.00	0.00	0.00	207.96
599+50	59950.00	19.34	142.45	0.00	0.00	0.00	105.55	0.00	0.00	0.00	313.50	0.00	0.00	0.00	313.50
600+00	60000.00	50.00	125.31	0.00	0.00	0.00	247.93	0.00	0.00	0.00	561.43	0.00	0.00	0.00	561.43
600+50	60050.00	50.00	79.30	0.00	0.00	0.00	189.45	0.00	0.00	0.00	750.88	0.00	0.00	0.00	750.88
601+00	60100.00	50.00	43.28	0.00	7.07	0.00	113.50	0.00	6.55	0.00	864.38	7.86	0.00	0.00	856.53
601+50	60150.00	50.00	26.19	0.00	12.61	0.00	64.32	0.00	18.22	0.00	928.71	29.72	0.00	0.00	898.99
602+00	60200.00	50.00	16.74	0.00	11.74	0.00	39.75	0.00	22.55	0.00	968.46	56.78	0.00	0.00	911.68
602+50	60250.00	50.00	13.03	0.00	6.26	0.00	27.56	0.00	16.67	0.00	996.02	76.78	0.00	0.00	919.24
602+68	60268.38	18.38	10.73	0.00	4.97	0.00	8.09	0.00	3.82	0.00	1004.11	81.36	0.00	0.00	922.74
602+68	60268.38	0.00	18.02	0.00	4.97	0.00	0.00	0.00	0.00	0.00	1004.11	81.36	0.00	0.00	922.74
603+00	60300.00	31.62	8.96	0.00	3.63	0.00	15.80	0.00	5.04	0.00	1019.91	87.41	0.00	0.00	932.50
603+50	60350.00	50.00	0.00	0.00	11.25	0.00	8.30	0.00	13.78	0.00	1028.20	103.94	0.00	0.00	924.26
603+68	60367.95	17.95	0.00	0.00	17.07	0.00	0.00	0.00	9.41	0.00	1028.20	115.24	0.00	0.00	912.97
603+68	60367.95	0.00	0.01	0.00	19.52	0.00	0.00	0.00	0.00	0.00	1028.20	115.24	0.00	0.00	912.97
604+00	60400.00	32.05	0.00	0.00	36.24	0.00	0.01	0.00	33.09	0.00	1028.21	154.95	0.00	0.00	873.26
604+50	60450.00	50.00	0.00	0.00	61.34	0.00	0.00	0.00	90.35	0.00	1028.21	263.37	0.00	0.00	764.84
605+00	60500.00	50.00	0.00	0.00	89.69	0.00	0.00	0.00	139.84	0.00	1028.21	431.18	0.00	0.00	597.03
605+20 BK	60519.50	19.50	0.00	0.00	117.54	0.00	0.00	0.00	74.83	0.00	1028.21	520.98	0.00	0.00	507.23
		Column totals					1028.21	0.00	434.15	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
549+30 AH	54930.42	0.00	242.57	0.00	112.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
549+50	54950.00	19.58	226.90	0.00	127.14	0.00	170.23	0.00	86.75	0.00	170.23	104.10	0.00	0.00	66.13
549+80	54980.42	30.42	196.22	0.00	155.37	0.00	238.36	0.00	159.15	0.00	408.58	295.07	0.00	0.00	113.51
549+80	54980.42	0.00	228.56	0.00	155.39	0.00	0.00	0.00	0.00	0.00	408.58	295.07	0.00	0.00	113.51
550+00	55000.00	19.58	214.90	0.00	223.44	0.00	160.80	0.00	137.36	0.00	569.38	459.91	0.00	0.00	109.47
550+50	55050.00	50.00	140.52	0.00	273.56	0.00	329.09	0.00	460.19	0.00	898.47	1012.13	0.00	0.00	-113.66
550+80	55080.42	30.42	91.17	0.00	269.22	0.00	130.52	0.00	305.77	0.00	1028.99	1379.05	0.00	0.00	-350.06
550+80	55080.42	0.00	91.15	0.00	1.04	0.00	0.00	0.00	0.00	0.00	1028.99	1379.05	0.00	0.00	-350.06
551+00	55100.00	19.58	73.60	0.00	13.45	0.00	59.74	0.00	5.25	0.00	1088.73	1385.35	0.00	0.00	-296.62
551+50	55150.00	50.00	30.85	0.00	39.01	0.00	96.71	0.00	48.57	0.00	1185.44	1443.64	0.00	0.00	-258.20
551+80	55180.42	30.42	17.97	0.00	43.57	0.00	27.50	0.00	46.52	0.00	1212.94	1499.47	0.00	0.00	-286.52
551+80	55180.42	0.00	17.96	0.00	8.35	0.00	0.00	0.00	0.00	0.00	1212.94	1499.47	0.00	0.00	-286.52
552+00	55200.00	19.58	11.73	0.00	10.92	0.00	10.77	0.00	6.99	0.00	1223.71	1507.85	0.00	0.00	-284.14
552+30 BK	55230.42	30.42	5.35	0.00	13.19	0.00	9.62	0.00	13.58	0.00	1233.33	1524.15	0.00	0.00	-290.82
						Column totals	1233.33	0.00	1270.12	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 RAMP NE

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
537+60 AH	53760.00	0.00	10.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
537+71	53771.09	11.09	4.39	0.00	1.05	0.00	2.97	0.00	0.22	0.00	2.97	0.26	0.00	0.00	2.71
538+00	53800.00	28.91	0.39	0.00	980.75	0.00	2.56	0.00	525.63	0.00	5.53	631.01	0.00	0.00	-625.48
538+09 BK	53808.60	8.60	0.13	0.00	262.07	0.00	0.08	0.00	197.93	0.00	5.61	868.53	0.00	0.00	-862.91
550+36 AH	55036.00	0.00	57.46	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
550+50	55050.00	14.00	42.95	0.00	561.76	0.00	26.03	0.00	145.67	0.00	26.03	174.80	0.00	0.00	-148.77
551+00	55100.00	50.00	118.29	0.00	508.40	0.00	149.30	0.00	990.89	0.00	149.30	1189.07	0.00	0.00	-1188.54
551+50	55150.00	50.00	94.91	0.00	438.63	0.00	197.41	0.00	876.88	0.00	346.70	2241.32	0.00	0.00	-2043.39
552+00	55200.00	50.00	69.43	0.00	366.25	0.00	152.17	0.00	745.26	0.00	498.87	3135.63	0.00	0.00	-2785.53
552+50	55250.00	50.00	65.18	0.00	310.84	0.00	124.64	0.00	626.94	0.00	623.51	3887.96	0.00	0.00	-3413.21
553+00	55300.00	50.00	60.84	0.00	270.32	0.00	116.69	0.00	538.11	0.00	740.19	4533.69	0.00	0.00	-3942.26
553+50	55350.00	50.00	53.74	0.00	237.54	0.00	106.09	0.00	470.24	0.00	846.29	5097.98	0.00	0.00	-4400.46
554+00	55400.00	50.00	46.67	0.00	206.11	0.00	92.97	0.00	410.79	0.00	939.26	5590.92	0.00	0.00	-4800.43
554+50	55450.00	50.00	40.70	0.00	174.70	0.00	80.90	0.00	352.60	0.00	1020.16	6014.04	0.00	0.00	-5142.66
555+00	55500.00	50.00	35.22	0.00	144.95	0.00	70.30	0.00	295.97	0.00	1090.45	6369.21	0.00	0.00	-5427.53
555+50	55550.00	50.00	35.16	0.00	108.06	0.00	65.17	0.00	234.27	0.00	1155.62	6650.33	0.00	0.00	-5643.48
556+00	55600.00	50.00	58.37	0.00	76.51	0.00	86.60	0.00	170.90	0.00	1242.22	6855.41	0.00	0.00	-5761.96
556+50	55650.00	50.00	32.65	0.00	51.52	0.00	84.28	0.00	118.55	0.00	1326.50	6997.67	0.00	0.00	-5819.94
557+00	55700.00	50.00	48.53	0.00	34.62	0.00	75.17	0.00	79.76	0.00	1401.67	7093.38	0.00	0.00	-5840.48
557+50	55750.00	50.00	60.38	0.00	22.50	0.00	100.84	0.00	52.89	0.00	1502.51	7156.84	0.00	0.00	-5803.10
558+00	55800.00	50.00	76.40	0.00	13.59	0.00	126.65	0.00	33.42	0.00	1629.16	7196.94	0.00	0.00	-5716.56
558+50	55850.00	50.00	87.03	0.00	7.34	0.00	151.32	0.00	19.38	0.00	1780.48	7220.20	0.00	0.00	-5588.49

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 3 RAMP NE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
559+00	55900.00	50.00	111.61	0.00	0.97	0.00	183.93	0.00	7.69	0.00	1964.41	7229.43	0.00	0.00	-5413.79
559+50	55950.00	50.00	93.99	0.00	0.00	0.00	190.37	0.00	0.90	0.00	2154.78	7230.51	0.00	0.00	-5224.50
560+00	56000.00	50.00	89.30	0.00	0.00	0.00	169.71	0.00	0.00	0.00	2324.49	7230.51	0.00	0.00	-5054.79
560+50	56050.00	50.00	90.13	0.00	0.00	0.00	166.14	0.00	0.00	0.00	2490.63	7230.51	0.00	0.00	-4888.65
561+00	56100.00	50.00	90.11	0.00	0.00	0.00	166.89	0.00	0.00	0.00	2657.52	7230.51	0.00	0.00	-4721.76
561+50	56150.00	50.00	110.43	0.00	0.00	0.00	185.69	0.00	0.00	0.00	2843.20	7230.51	0.00	0.00	-4536.08
561+55 BK	56155.00	5.00	204.23	0.00	0.00	0.00	29.14	0.00	0.00	0.00	2872.34	7230.51	0.00	0.00	-4506.94
					Column totals		2903.98	0.00	6894.87	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
538+65 AH	53864.58	0.00	403.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
539+00	53900.00	35.42	398.26	0.00	0.00	0.00	525.59	0.00	0.00	0.00	525.59	0.00	0.00	0.00	525.59
539+50	53950.00	50.00	496.32	0.00	0.00	0.00	828.31	0.00	0.00	0.00	1353.91	0.00	0.00	0.00	1353.91
540+00	54000.00	50.00	413.08	0.00	0.00	0.00	842.04	0.00	0.00	0.00	2195.95	0.00	0.00	0.00	2195.95
540+29	54029.42	29.42	353.82	0.00	0.00	0.00	417.82	0.00	0.00	0.00	2613.76	0.00	0.00	0.00	2613.76
540+29	54029.42	0.00	205.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2613.76	0.00	0.00	0.00	2613.76
540+50	54050.00	20.58	180.99	0.00	0.00	0.00	147.44	0.00	0.00	0.00	2761.21	0.00	0.00	0.00	2761.21
541+00	54100.00	50.00	116.88	0.00	0.00	0.00	275.81	0.00	0.00	0.00	3037.01	0.00	0.00	0.00	3037.01
541+50	54150.00	50.00	78.68	0.00	0.00	0.00	181.07	0.00	0.00	0.00	3218.09	0.00	0.00	0.00	3218.09
542+00	54200.00	50.00	51.00	0.00	0.00	0.00	120.07	0.00	0.00	0.00	3338.16	0.00	0.00	0.00	3338.16
542+50	54250.00	50.00	31.03	0.00	0.00	0.00	75.95	0.00	0.00	0.00	3414.12	0.00	0.00	0.00	3414.12
542+66 BK	54265.62	15.62	26.18	0.00	0.00	0.00	16.55	0.00	0.00	0.00	3430.66	0.00	0.00	0.00	3430.66
						Column totals	3430.66	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 RAMP GA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
765+08 AH	76507.63	0.00	27.31	0.00	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
765+50	76550.00	42.37	32.76	0.00	0.00	0.00	47.13	0.00	2.09	0.00	47.13	2.50	0.00	0.00	44.63
766+00	76600.00	50.00	26.62	0.00	0.00	0.00	54.98	0.00	0.00	0.00	102.11	2.50	0.00	0.00	99.61
766+00	76600.00	0.00	82.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.11	2.50	0.00	0.00	99.61
766+50	76650.00	50.00	79.58	0.00	0.05	0.00	149.68	0.00	0.05	0.00	251.79	2.56	0.00	0.00	249.23
767+00	76700.00	50.00	44.45	0.00	5.39	0.00	114.84	0.00	5.04	0.00	366.63	8.60	0.00	0.00	358.03
767+50	76750.00	50.00	14.70	0.00	19.18	0.00	54.77	0.00	22.75	0.00	421.40	35.90	0.00	0.00	385.50
768+00	76800.00	50.00	1.55	0.00	33.54	0.00	15.05	0.00	48.81	0.00	436.45	94.48	0.00	0.00	341.97
768+17 BK	76816.80	16.80	1.23	0.00	36.92	0.00	0.86	0.00	21.92	0.00	437.31	120.79	0.00	0.00	316.53
						Column totals	437.31	0.00	100.66	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 RAMP SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
566+13 AH	56612.52	0.00	0.03	0.00	128.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
566+50	56650.00	37.48	2.38	0.00	160.31	0.00	1.67	0.00	200.28	0.00	1.67	240.34	0.00	0.00	-238.67
566+66	56665.60	15.60	2.69	0.00	130.03	0.00	1.46	0.00	83.88	0.00	3.14	340.99	0.00	0.00	-337.85
566+66	56665.60	0.00	0.00	0.00	84.79	0.00	0.00	0.00	0.00	0.00	3.14	340.99	0.00	0.00	-337.85
567+00	56700.00	34.40	0.00	0.00	66.46	0.00	0.00	0.00	96.35	0.00	3.14	456.61	0.00	0.00	-453.47
567+50	56750.00	50.00	0.00	0.00	118.56	0.00	0.00	0.00	171.31	0.00	3.14	662.19	0.00	0.00	-659.05
568+00	56800.00	50.00	0.00	0.00	115.64	0.00	0.00	0.00	216.85	0.00	3.14	922.41	0.00	0.00	-919.27
568+50	56850.00	50.00	0.00	0.00	102.98	0.00	0.00	0.00	202.43	0.00	3.14	1165.32	0.00	0.00	-1162.19
569+00	56900.00	50.00	0.00	0.00	93.86	0.00	0.00	0.00	182.26	0.00	3.14	1384.03	0.00	0.00	-1380.90
569+50	56950.00	50.00	0.00	0.00	87.28	0.00	0.00	0.00	167.72	0.00	3.14	1585.30	0.00	0.00	-1582.16
570+00	57000.00	50.00	0.00	0.00	68.10	0.00	0.00	0.00	143.87	0.00	3.14	1757.95	0.00	0.00	-1754.81
570+50	57050.00	50.00	0.03	0.00	51.89	0.00	0.03	0.00	111.10	0.00	3.17	1891.27	0.00	0.00	-1888.10
570+86 BK	57086.00	36.00	33.82	0.00	7.47	0.00	22.57	0.00	39.57	0.00	25.73	1938.76	0.00	0.00	-1913.02
						Column totals	25.73	0.00	1615.63	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 W. WISCONSIN AVENUE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
20+17 AH	2017.44	0.00	37.15	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20+50	2050.00	32.56	36.70	0.00	1.05	0.00	44.53	0.00	0.66	0.00	44.53	0.79	0.00	0.00	43.74
21+00	2100.00	50.00	36.95	0.00	1.71	0.00	68.19	0.00	2.56	0.00	112.72	3.86	0.00	0.00	108.87
21+13	2113.06	13.06	37.42	0.00	2.15	0.00	17.99	0.00	0.93	0.00	130.71	4.98	0.00	0.00	125.73
21+50	2150.00	36.94	36.96	0.00	3.52	0.00	50.88	0.00	3.88	0.00	181.59	9.63	0.00	0.00	171.96
22+00	2200.00	50.00	40.98	0.00	3.22	0.00	72.17	0.00	6.24	0.00	253.76	17.12	0.00	0.00	236.64
22+50	2250.00	50.00	45.04	0.00	2.94	0.00	79.65	0.00	5.70	0.00	333.41	23.96	0.00	0.00	309.44
23+00	2300.00	50.00	50.95	0.00	2.68	0.00	88.88	0.00	5.20	0.00	422.29	30.21	0.00	0.00	392.08
23+50	2350.00	50.00	51.72	0.00	1.80	0.00	95.06	0.00	4.15	0.00	517.35	35.19	0.00	0.00	482.16
24+00	2400.00	50.00	54.57	0.00	1.26	0.00	98.42	0.00	2.83	0.00	615.77	38.59	0.00	0.00	577.18
24+50	2450.00	50.00	58.76	0.00	1.57	0.00	104.94	0.00	2.62	0.00	720.70	41.73	0.00	0.00	678.97
25+00	2500.00	50.00	64.84	0.00	6.63	0.00	114.44	0.00	7.59	0.00	835.15	50.84	0.00	0.00	784.31
25+50	2550.00	50.00	56.25	0.00	12.48	0.00	112.12	0.00	17.69	0.00	947.27	72.07	0.00	0.00	875.19
26+00	2600.00	50.00	31.17	0.00	9.87	0.00	80.94	0.00	20.69	0.00	1028.21	96.91	0.00	0.00	931.30
26+23	2623.01	23.01	21.78	0.00	31.16	0.00	22.56	0.00	17.48	0.00	1050.77	117.89	0.00	0.00	932.89
26+23	2623.01	0.00	28.88	0.00	31.19	0.00	0.00	0.00	0.00	0.00	1050.77	117.89	0.00	0.00	932.89
26+50	2650.00	26.99	10.42	0.00	65.70	0.00	19.64	0.00	48.43	0.00	1070.42	176.00	0.00	0.00	894.42
27+00	2700.00	50.00	0.00	0.00	457.42	0.00	9.65	0.00	484.37	0.00	1080.07	757.24	0.00	0.00	322.82
27+37	2737.17	37.17	0.00	0.00	1660.54	0.00	0.00	0.00	1457.86	0.00	1080.07	2506.68	0.00	0.00	-1426.61
27+42 BK	2741.94	4.77	0.00	0.00	0.00	0.00	0.00	0.00	146.68	0.00	1080.07	2682.70	0.00	0.00	-1602.63
Column totals							1080.07	0.00	2235.58	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 N. 97TH STREET (TT)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
46+13 AH	4613.39	0.00	49.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46+50	4650.00	36.61	27.66	0.00	0.16	0.00	52.62	0.00	0.11	0.00	52.62	0.13	0.00	0.00	52.49
47+00	4700.00	50.00	21.27	0.00	1.77	0.00	45.31	0.00	1.79	0.00	97.93	2.27	0.00	0.00	95.65
47+50	4750.00	50.00	18.35	0.00	1.79	0.00	36.69	0.00	3.30	0.00	134.61	6.23	0.00	0.00	128.38
48+00	4800.00	50.00	9.39	0.00	2.66	0.00	25.69	0.00	4.12	0.00	160.30	11.17	0.00	0.00	149.12
48+50	4850.00	50.00	2.22	0.00	6.95	0.00	10.75	0.00	8.90	0.00	171.05	21.85	0.00	0.00	149.20
49+00	4900.00	50.00	0.00	0.00	13.54	0.00	2.06	0.00	18.97	0.00	173.10	44.62	0.00	0.00	128.49
49+50	4950.00	50.00	2.37	0.00	6.22	0.00	2.19	0.00	18.30	0.00	175.30	66.57	0.00	0.00	108.72
49+71 BK	4971.38	21.38	3.19	0.00	0.00	0.00	4.69	0.00	4.11	0.00	179.99	71.51	0.00	0.00	108.48
					Column totals		179.99	0.00	59.59	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 NSH

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
11+58 AH	1158.37	0.00	34.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12+00	1200.00	41.63	40.87	0.00	0.00	0.00	57.80	0.00	0.00	0.00	57.80	0.00	0.00	0.00	57.80
12+50	1250.00	50.00	40.53	0.00	0.00	0.00	75.37	0.00	0.00	0.00	133.17	0.00	0.00	0.00	133.17
13+00	1300.00	50.00	43.20	0.00	0.00	0.00	77.53	0.00	0.00	0.00	210.69	0.00	0.00	0.00	210.69
13+50	1350.00	50.00	44.76	0.00	0.00	0.00	81.44	0.00	0.00	0.00	292.14	0.00	0.00	0.00	292.14
14+00	1400.00	50.00	48.41	0.00	0.00	0.00	86.27	0.00	0.00	0.00	378.41	0.00	0.00	0.00	378.41
14+50	1450.00	50.00	54.87	0.00	0.00	0.00	95.63	0.00	0.00	0.00	474.04	0.00	0.00	0.00	474.04
15+00	1500.00	50.00	51.55	0.00	0.00	0.00	98.54	0.00	0.00	0.00	572.57	0.00	0.00	0.00	572.57
15+50	1550.00	50.00	51.79	0.00	0.00	0.00	95.69	0.00	0.00	0.00	668.26	0.00	0.00	0.00	668.26
16+00	1600.00	50.00	38.11	0.00	0.00	0.00	83.24	0.00	0.00	0.00	751.50	0.00	0.00	0.00	751.50
16+50	1650.00	50.00	35.62	0.00	0.00	0.00	68.27	0.00	0.00	0.00	819.77	0.00	0.00	0.00	819.77
17+00	1700.00	50.00	20.19	0.00	0.01	0.00	51.68	0.00	0.01	0.00	871.44	0.01	0.00	0.00	871.43
17+50	1750.00	50.00	12.90	0.00	0.10	0.00	30.64	0.00	0.10	0.00	902.08	0.13	0.00	0.00	901.95
18+00	1800.00	50.00	7.33	0.00	0.29	0.00	18.73	0.00	0.36	0.00	920.81	0.57	0.00	0.00	920.25
18+50	1850.00	50.00	3.64	0.00	0.68	0.00	10.16	0.00	0.90	0.00	930.97	1.64	0.00	0.00	929.33
19+00	1900.00	50.00	1.30	0.00	1.36	0.00	4.57	0.00	1.89	0.00	935.55	3.91	0.00	0.00	931.64
19+50	1950.00	50.00	0.27	0.00	2.22	0.00	1.45	0.00	3.31	0.00	937.00	7.89	0.00	0.00	929.11
20+00 BK	2000.00	50.00	0.01	0.00	3.09	0.00	0.26	0.00	4.92	0.00	937.26	13.79	0.00	0.00	923.47
Column totals							937.26	0.00	11.49	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 3 EWP

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
10+62 AH	1062.20	0.00	2.96	0.00	9.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00	1100.00	37.80	3.87	0.00	11.63	0.00	4.78	0.00	14.47	0.00	4.78	17.36	0.00	0.00	-12.58
11+50	1150.00	50.00	5.88	0.00	14.82	0.00	9.03	0.00	24.49	0.00	13.81	46.75	0.00	0.00	-32.94
12+00	1200.00	50.00	3.77	0.00	18.23	0.00	8.94	0.00	30.60	0.00	22.74	83.47	0.00	0.00	-60.73
12+50	1250.00	50.00	3.62	0.00	34.30	0.00	6.84	0.00	48.64	0.00	29.59	141.84	0.00	0.00	-112.25
13+00	1300.00	50.00	3.52	0.00	52.01	0.00	6.61	0.00	79.92	0.00	36.20	237.74	0.00	0.00	-201.54
13+50	1350.00	50.00	3.58	0.00	54.03	0.00	6.57	0.00	98.19	0.00	42.77	355.56	0.00	0.00	-312.79
14+00	1400.00	50.00	3.56	0.00	60.50	0.00	6.61	0.00	106.05	0.00	49.38	482.82	0.00	0.00	-433.44
14+50	1450.00	50.00	0.00	0.00	98.35	0.00	3.30	0.00	147.08	0.00	52.68	659.32	0.00	0.00	-606.64
15+00	1500.00	50.00	0.00	0.00	149.41	0.00	0.00	0.00	229.41	0.00	52.68	934.61	0.00	0.00	-881.93
15+50	1550.00	50.00	0.00	0.00	199.81	0.00	0.00	0.00	323.35	0.00	52.68	1322.63	0.00	0.00	-1269.95
16+00	1600.00	50.00	0.00	0.00	274.13	0.00	0.00	0.00	438.83	0.00	52.68	1849.23	0.00	0.00	-1796.55
16+50	1650.00	50.00	0.00	0.00	162.22	0.00	0.00	0.00	404.03	0.00	52.68	2334.06	0.00	0.00	-2281.38
17+00	1700.00	50.00	0.00	0.00	154.32	0.00	0.00	0.00	293.09	0.00	52.68	2685.77	0.00	0.00	-2633.09
17+50	1750.00	50.00	0.00	0.00	127.84	0.00	0.00	0.00	261.26	0.00	52.68	2999.29	0.00	0.00	-2946.61
18+00	1800.00	50.00	0.00	0.00	138.50	0.00	0.00	0.00	246.61	0.00	52.68	3295.22	0.00	0.00	-3242.54
18+50	1850.00	50.00	0.00	0.00	97.65	0.00	0.00	0.00	218.66	0.00	52.68	3557.61	0.00	0.00	-3504.93
19+00	1900.00	50.00	0.00	0.00	60.23	0.00	0.00	0.00	146.19	0.00	52.68	3733.03	0.00	0.00	-3680.35
19+50	1950.00	50.00	0.16	0.00	31.59	0.00	0.15	0.00	85.02	0.00	52.83	3835.05	0.00	0.00	-3782.22
20+00	2000.00	50.00	3.46	0.00	11.73	0.00	3.35	0.00	40.11	0.00	56.18	3883.19	0.00	0.00	-3827.01
20+50	2050.00	50.00	3.64	0.00	3.19	0.00	6.57	0.00	13.81	0.00	62.75	3899.76	0.00	0.00	-3837.01
21+00	2100.00	50.00	3.62	0.00	12.39	0.00	6.72	0.00	14.43	0.00	69.48	3917.07	0.00	0.00	-3847.60
21+50	2150.00	50.00	3.60	0.00	16.79	0.00	6.69	0.00	27.02	0.00	76.16	3949.50	0.00	0.00	-3873.34
22+00	2200.00	50.00	3.62	0.00	10.20	0.00	6.69	0.00	24.99	0.00	82.85	3979.49	0.00	0.00	-3896.64
22+50	2250.00	50.00	3.62	0.00	5.67	0.00	6.70	0.00	14.69	0.00	89.55	3997.12	0.00	0.00	-3907.57
23+00	2300.00	50.00	3.62	0.00	13.01	0.00	6.70	0.00	17.30	0.00	96.25	4017.87	0.00	0.00	-3921.62
23+50	2350.00	50.00	3.61	0.00	10.23	0.00	6.69	0.00	21.52	0.00	102.95	4043.70	0.00	0.00	-3940.75
23+85 BK	2384.76	34.76	4.02	0.00	0.00	0.00	4.91	0.00	6.59	0.00	107.86	4051.60	0.00	0.00	-3943.74
		Column totals					107.86	0.00	3376.33	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 3 EWS

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
13+30 AH	1329.70	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13+50	1350.00	20.30	0.00	0.00	2.49	0.00	0.00	0.00	1.32	0.00	0.00	1.59	0.00	0.00	-1.59
14+00	1400.00	50.00	0.00	0.00	15.19	0.00	0.00	0.00	16.37	0.00	0.00	21.23	0.00	0.00	-21.23
14+50	1450.00	50.00	0.00	0.00	12.35	0.00	0.00	0.00	25.50	0.00	0.00	51.83	0.00	0.00	-51.83
15+00	1500.00	50.00	0.05	0.00	1.49	0.00	0.05	0.00	12.81	0.00	0.05	67.21	0.00	0.00	-67.16
15+47 BK	1547.16	47.16	0.01	0.00	0.00	0.00	0.05	0.00	1.30	0.00	0.10	68.77	0.00	0.00	-68.67
		Column totals					0.10	0.00	57.31	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 EWT

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+05 AH	1105.02	0.00	6.39	0.00	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	44.98	9.68	0.00	9.69	0.00	13.39	0.00	16.92	0.00	13.39	20.30	0.00	0.00	-6.92
12+00	1200.00	50.00	13.84	0.00	7.10	0.00	21.78	0.00	15.55	0.00	35.16	38.96	0.00	0.00	-3.79
12+50	1250.00	50.00	18.34	0.00	2.92	0.00	29.80	0.00	9.28	0.00	64.96	50.09	0.00	0.00	14.87
13+00	1300.00	50.00	24.77	0.00	1.94	0.00	39.92	0.00	4.50	0.00	104.88	55.49	0.00	0.00	49.39
13+50	1350.00	50.00	24.47	0.00	2.74	0.00	45.59	0.00	4.33	0.00	150.47	60.69	0.00	0.00	89.78
14+00	1400.00	50.00	24.59	0.00	3.31	0.00	45.43	0.00	5.60	0.00	195.89	67.41	0.00	0.00	128.48
14+15 BK	1414.76	14.76	24.52	0.00	3.47	0.00	13.42	0.00	1.85	0.00	209.32	69.64	0.00	0.00	139.68
		Column totals					209.32	0.00	58.03	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 3 WSB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+00 AH	1100.00	0.00	33.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	50.00	30.25	0.00	0.06	0.00	58.69	0.00	0.06	0.00	58.69	0.07	0.00	0.00	58.62
12+00	1200.00	50.00	19.05	0.00	1.29	0.00	45.65	0.00	1.25	0.00	104.33	1.57	0.00	0.00	102.77
12+50	1250.00	50.00	2.21	0.00	6.48	0.00	19.69	0.00	7.19	0.00	124.02	10.20	0.00	0.00	113.82
13+00	1300.00	50.00	0.00	0.00	32.09	0.00	2.05	0.00	35.71	0.00	126.06	53.06	0.00	0.00	73.01
13+50	1350.00	50.00	0.00	0.00	58.92	0.00	0.00	0.00	84.27	0.00	126.06	154.18	0.00	0.00	-28.11
14+00 BK	1400.00	50.00	0.00	0.00	98.36	0.00	0.00	0.00	145.63	0.00	126.06	328.93	0.00	0.00	-202.87
		Column totals					126.06	0.00	274.11	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 3 WSC

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+00 AH	1100.23	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	49.77	10.43	0.00	0.00	0.00	9.97	0.00	0.00	0.00	9.97	0.00	0.00	0.00	9.97
12+00	1200.00	50.00	18.93	0.00	0.00	0.00	27.19	0.00	0.00	0.00	37.16	0.00	0.00	0.00	37.16
12+50	1250.00	50.00	27.94	0.00	0.00	0.00	43.40	0.00	0.00	0.00	80.56	0.00	0.00	0.00	80.56
13+00	1300.00	50.00	26.71	0.00	0.00	0.00	50.60	0.00	0.00	0.00	131.16	0.00	0.00	0.00	131.16
13+50	1350.00	50.00	35.23	0.00	0.00	0.00	57.35	0.00	0.00	0.00	188.51	0.00	0.00	0.00	188.51
13+70 BK	1369.50	19.50	34.36	0.00	0.00	0.00	25.13	0.00	0.00	0.00	213.64	0.00	0.00	0.00	213.64
		Column totals					213.64	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 3 WJA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
12+98 AH	1298.03	0.00	31.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13+00	1300.00	1.97	31.46	0.00	0.00	0.00	2.29	0.00	0.00	0.00	2.29	0.00	0.00	0.00	2.29
13+50	1350.00	50.00	35.36	0.00	0.00	0.00	61.87	0.00	0.00	0.00	64.16	0.00	0.00	0.00	64.16
14+00	1400.00	50.00	37.22	0.00	0.00	0.00	67.20	0.00	0.00	0.00	131.36	0.00	0.00	0.00	131.36
14+50	1450.00	50.00	38.99	0.00	0.01	0.00	70.56	0.00	0.01	0.00	201.93	0.01	0.00	0.00	201.91
15+00	1500.00	50.00	11.58	0.00	0.03	0.00	46.82	0.00	0.04	0.00	248.75	0.06	0.00	0.00	248.69
15+21 BK	1521.08	21.08	0.39	0.00	0.35	0.00	4.67	0.00	0.15	0.00	253.42	0.23	0.00	0.00	253.19
					Column totals		253.42	0.00	0.19	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew90 PLOT SCALE : 1:1

Division 3 SBA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
10+00 AH	1000.00	0.00	1.08	0.00	25.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	50.00	0.00	0.00	76.44	0.00	1.00	0.00	94.54	0.00	1.00	113.44	0.00	0.00	-112.44
11+00	1100.00	50.00	0.00	0.00	43.90	0.00	0.00	0.00	111.43	0.00	1.00	247.16	0.00	0.00	-246.16
11+36 BK	1136.40	36.40	0.00	0.00	14.71	0.00	0.00	0.00	39.51	0.00	1.00	294.56	0.00	0.00	-293.56
						Column totals	1.00	0.00	245.47	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
314+34 AH	31434.00	0.00	130.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314+50	31450.00	16.00	122.78	0.00	0.00	0.00	75.09	0.00	0.00	0.00	75.09	0.00	0.00	0.00	75.09
315+00	31500.00	50.00	98.54	0.00	0.00	0.00	204.93	0.00	0.00	0.00	280.02	0.00	0.00	0.00	280.02
315+50	31550.00	50.00	77.71	0.00	0.00	0.00	163.19	0.00	0.00	0.00	443.21	0.00	0.00	0.00	443.21
316+00	31600.00	50.00	62.06	0.00	0.00	0.00	129.42	0.00	0.00	0.00	572.63	0.00	0.00	0.00	572.63
316+50	31650.00	50.00	49.76	0.00	0.00	0.00	103.54	0.00	0.00	0.00	676.17	0.00	0.00	0.00	676.17
317+00	31700.00	50.00	41.42	0.00	0.00	0.00	84.43	0.00	0.00	0.00	760.59	0.00	0.00	0.00	760.59
317+50	31750.00	50.00	35.91	0.00	0.00	0.00	71.60	0.00	0.00	0.00	832.20	0.00	0.00	0.00	832.20
318+00	31800.00	50.00	27.24	0.00	0.00	0.00	58.47	0.00	0.00	0.00	890.67	0.00	0.00	0.00	890.67
318+50	31850.00	50.00	21.98	0.00	0.00	0.00	45.57	0.00	0.00	0.00	936.24	0.00	0.00	0.00	936.24
319+00	31900.00	50.00	17.78	0.00	0.00	0.00	36.81	0.00	0.00	0.00	973.06	0.00	0.00	0.00	973.06
319+50	31950.00	50.00	14.28	0.00	0.00	0.00	29.69	0.00	0.00	0.00	1002.74	0.00	0.00	0.00	1002.74
320+00	32000.00	50.00	9.08	0.00	0.00	0.00	21.63	0.00	0.00	0.00	1024.37	0.00	0.00	0.00	1024.37
320+00	32000.00	0.00	34.48	0.00	2.17	0.00	0.00	0.00	0.00	0.00	1024.37	0.00	0.00	0.00	1024.37
320+50	32050.00	50.00	39.72	0.00	1.79	0.00	68.70	0.00	3.67	0.00	1093.07	4.40	0.00	0.00	1088.67
321+00	32100.00	50.00	52.05	0.00	0.98	0.00	84.97	0.00	2.56	0.00	1178.05	7.48	0.00	0.00	1170.57
321+50	32150.00	50.00	80.94	0.00	0.00	0.00	123.14	0.00	0.91	0.00	1301.19	8.57	0.00	0.00	1292.62
322+00	32200.00	50.00	123.13	0.00	0.00	0.00	188.95	0.00	0.00	0.00	1490.14	8.57	0.00	0.00	1481.57
322+50	32250.00	50.00	141.83	0.00	0.00	0.00	245.33	0.00	0.00	0.00	1735.47	8.57	0.00	0.00	1726.91
323+00	32300.00	50.00	175.05	0.00	0.00	0.00	293.41	0.00	0.00	0.00	2028.88	8.57	0.00	0.00	2020.31
323+50	32350.00	50.00	188.21	0.00	0.00	0.00	336.35	0.00	0.00	0.00	2365.23	8.57	0.00	0.00	2356.67
324+00	32400.00	50.00	200.70	0.00	0.00	0.00	360.10	0.00	0.00	0.00	2725.33	8.57	0.00	0.00	2716.77
324+50	32450.00	50.00	219.45	0.00	0.00	0.00	389.03	0.00	0.00	0.00	3114.36	8.57	0.00	0.00	3105.80

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 4 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
325+00	32500.00	50.00	264.61	0.00	448.54	0.00	448.20	0.00	415.31	0.00	3562.57	506.94	0.00	0.00	3055.62
325+50	32550.00	50.00	331.47	0.00	354.35	0.00	551.93	0.00	743.42	0.00	4114.49	1399.04	0.00	0.00	2715.45
326+00	32600.00	50.00	387.22	0.00	289.25	0.00	665.45	0.00	595.93	0.00	4779.95	2114.16	0.00	0.00	2665.79
326+50	32650.00	50.00	441.70	0.00	227.62	0.00	767.52	0.00	478.58	0.00	5547.46	2688.46	0.00	0.00	2859.01
327+00	32700.00	50.00	504.20	0.00	180.06	0.00	875.83	0.00	377.48	0.00	6423.30	3141.43	0.00	0.00	3281.86
327+50	32750.00	50.00	606.77	0.00	110.32	0.00	1028.68	0.00	268.87	0.00	7451.97	3464.08	0.00	0.00	3987.90
328+00	32800.00	50.00	706.71	0.00	0.16	0.00	1216.19	0.00	102.30	0.00	8668.16	3586.83	0.00	0.00	5081.32
328+50	32850.00	50.00	760.40	0.00	0.00	0.00	1358.44	0.00	0.15	0.00	10026.59	3587.01	0.00	0.00	6439.58
329+00	32900.00	50.00	774.15	0.00	0.00	0.00	1420.88	0.00	0.00	0.00	11447.47	3587.01	0.00	0.00	7860.46
329+50	32950.00	50.00	746.58	0.00	0.00	0.00	1408.08	0.00	0.00	0.00	12855.56	3587.01	0.00	0.00	9268.55
330+00	33000.00	50.00	700.97	0.00	0.00	0.00	1340.32	0.00	0.00	0.00	14195.88	3587.01	0.00	0.00	10608.87
330+00	33000.00	0.00	576.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14195.88	3587.01	0.00	0.00	10608.87
330+50	33050.00	50.00	516.43	0.00	0.00	0.00	1012.26	0.00	0.00	0.00	15208.14	3587.01	0.00	0.00	11621.13
331+00	33100.00	50.00	462.69	0.00	0.00	0.00	906.59	0.00	0.00	0.00	16114.73	3587.01	0.00	0.00	12527.72
331+50	33150.00	50.00	399.31	0.00	0.00	0.00	798.15	0.00	0.00	0.00	16912.88	3587.01	0.00	0.00	13325.87
332+00	33200.00	50.00	333.59	0.00	0.00	0.00	678.61	0.00	0.00	0.00	17591.49	3587.01	0.00	0.00	14004.48
332+50	33250.00	50.00	276.11	0.00	0.00	0.00	564.54	0.00	0.00	0.00	18156.03	3587.01	0.00	0.00	14569.02
332+76	33275.52	25.52	255.69	0.00	0.00	0.00	251.32	0.00	0.00	0.00	18407.35	3587.01	0.00	0.00	14820.34
332+76	33275.52	0.00	107.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18407.35	3587.01	0.00	0.00	14820.34
333+00	33300.00	24.48	103.11	0.00	0.00	0.00	95.68	0.00	0.00	0.00	18503.03	3587.01	0.00	0.00	14916.02
333+50	33350.00	50.00	91.92	0.00	0.00	0.00	180.58	0.00	0.00	0.00	18683.62	3587.01	0.00	0.00	15096.61
334+00 BK	33400.00	50.00	107.92	0.00	0.00	0.00	185.04	0.00	0.00	0.00	18868.65	3587.01	0.00	0.00	15281.64

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3	Cumulative Vol (CY) Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
335+31 AH	33530.81	0.00	0.00	0.00	1053.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335+50	33550.00	19.19	0.00	0.00	1593.14	0.00	0.00	0.00	940.69	0.00	0.00	1128.83	0.00	0.00	-1128.83
336+00	33600.00	50.00	75.03	0.00	1632.99	0.00	69.47	0.00	2987.16	0.00	69.47	4713.42	0.00	0.00	-4643.94
336+50	33650.00	50.00	99.87	0.00	1454.94	0.00	161.94	0.00	2859.19	0.00	231.42	8144.45	0.00	0.00	-7913.03
337+00	33700.00	50.00	79.55	0.00	1344.06	0.00	166.13	0.00	2591.67	0.00	397.55	11254.45	0.00	0.00	-10856.90
337+50	33750.00	50.00	94.45	0.00	1220.35	0.00	161.11	0.00	2374.45	0.00	558.66	14103.79	0.00	0.00	-13545.14
338+00	33800.00	50.00	64.73	0.00	1257.49	0.00	147.39	0.00	2294.30	0.00	706.05	16856.95	0.00	0.00	-16150.90
338+50	33850.00	50.00	51.37	0.00	1453.44	0.00	107.50	0.00	2510.12	0.00	813.55	19869.09	0.00	0.00	-19055.55
339+00	33900.00	50.00	39.15	0.00	1583.63	0.00	83.81	0.00	2812.10	0.00	897.36	23243.62	0.00	0.00	-22346.26
339+50	33950.00	50.00	33.25	0.00	1738.57	0.00	67.04	0.00	3076.11	0.00	964.40	26934.95	0.00	0.00	-25970.55
340+00	34000.00	50.00	40.07	0.00	1572.89	0.00	67.89	0.00	3066.17	0.00	1032.29	30614.35	0.00	0.00	-29582.06
340+50	34050.00	50.00	28.03	0.00	1582.62	0.00	63.06	0.00	2921.77	0.00	1095.34	34120.47	0.00	0.00	-33025.13
341+00	34100.00	50.00	27.59	0.00	1488.12	0.00	51.50	0.00	2843.28	0.00	1146.84	37532.41	0.00	0.00	-36385.56
341+50	34150.00	50.00	28.86	0.00	1285.90	0.00	52.27	0.00	2568.54	0.00	1199.11	40614.65	0.00	0.00	-39415.54
342+00	34200.00	50.00	22.82	0.00	1300.70	0.00	47.85	0.00	2395.00	0.00	1246.96	43488.65	0.00	0.00	-42241.69
342+50	34250.00	50.00	18.62	0.00	1446.23	0.00	38.37	0.00	2543.45	0.00	1285.33	46540.79	0.00	0.00	-45255.46
343+00	34300.00	50.00	18.83	0.00	1161.70	0.00	34.68	0.00	2414.75	0.00	1320.01	49438.49	0.00	0.00	-48118.49
343+41	34340.54	40.54	17.42	0.00	958.10	0.00	27.21	0.00	1591.42	0.00	1347.22	51348.20	0.00	0.00	-50000.98
343+41	34340.54	0.00	123.95	0.00	958.00	0.00	0.00	0.00	0.00	0.00	1347.22	51348.20	0.00	0.00	-50000.98
343+50	34350.00	9.46	125.23	0.00	903.54	0.00	43.65	0.00	326.11	0.00	1390.88	51739.54	0.00	0.00	-50348.66
344+00	34400.00	50.00	133.36	0.00	656.90	0.00	239.44	0.00	1444.85	0.00	1630.31	53473.36	0.00	0.00	-51843.05
344+50	34450.00	50.00	135.81	0.00	506.50	0.00	249.23	0.00	1077.22	0.00	1879.54	54766.03	0.00	0.00	-52886.48
345+00	34500.00	50.00	130.07	0.00	397.90	0.00	246.19	0.00	837.41	0.00	2125.73	55770.91	0.00	0.00	-53645.19
345+50	34550.00	50.00	118.52	0.00	316.78	0.00	230.18	0.00	661.74	0.00	2355.90	56565.00	0.00	0.00	-54209.10
346+00	34600.00	50.00	99.96	0.00	297.05	0.00	202.30	0.00	568.36	0.00	2558.20	57247.04	0.00	0.00	-54688.84

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
346+00	34600.00	0.00	144.62	0.00	297.02	0.00	0.00	0.00	0.00	0.00	2558.20	57247.04	0.00	0.00	-54688.84
346+34	34634.21	34.21	133.24	0.00	254.38	0.00	176.03	0.00	349.32	0.00	2734.23	57666.22	0.00	0.00	-54931.99
346+34	34634.21	0.00	38.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2734.23	57666.22	0.00	0.00	-54931.99
346+50	34650.00	15.79	35.13	0.00	0.00	0.00	21.44	0.00	0.00	0.00	2755.67	57666.22	0.00	0.00	-54910.56
347+00	34700.00	50.00	28.06	0.00	0.00	0.00	58.51	0.00	0.00	0.00	2814.18	57666.22	0.00	0.00	-54852.05
347+00	34700.00	0.00	65.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2814.18	57666.22	0.00	0.00	-54852.05
347+50	34750.00	50.00	53.09	0.00	0.00	0.00	109.65	0.00	0.00	0.00	2923.82	57666.22	0.00	0.00	-54742.40
348+00	34800.00	50.00	46.98	0.00	0.00	0.00	92.66	0.00	0.00	0.00	3016.48	57666.22	0.00	0.00	-54649.74
348+50	34850.00	50.00	43.38	0.00	0.00	0.00	83.67	0.00	0.00	0.00	3100.15	57666.22	0.00	0.00	-54566.08
349+00	34900.00	50.00	40.02	0.00	0.00	0.00	77.22	0.00	0.00	0.00	3177.37	57666.22	0.00	0.00	-54488.85
349+50	34950.00	50.00	33.39	0.00	0.00	0.00	67.97	0.00	0.00	0.00	3245.34	57666.22	0.00	0.00	-54420.88
349+80	34980.01	30.01	28.98	0.00	0.00	0.00	34.66	0.00	0.00	0.00	3280.00	57666.22	0.00	0.00	-54386.22
349+80	34980.01	0.00	60.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3280.00	57666.22	0.00	0.00	-54386.22
350+00	35000.00	19.99	48.52	0.00	0.00	0.00	40.28	0.00	0.00	0.00	3320.28	57666.22	0.00	0.00	-54345.94
350+50	35050.00	50.00	36.45	0.00	5.06	0.00	78.68	0.00	4.69	0.00	3398.96	57671.85	0.00	0.00	-54272.89
351+00	35100.00	50.00	35.38	0.00	9.57	0.00	66.51	0.00	13.55	0.00	3465.46	57688.10	0.00	0.00	-54222.64
351+50	35150.00	50.00	44.08	0.00	15.60	0.00	73.57	0.00	23.31	0.00	3539.04	57716.07	0.00	0.00	-54177.03
352+00	35200.00	50.00	64.87	0.00	13.38	0.00	100.88	0.00	26.83	0.00	3639.92	57748.27	0.00	0.00	-54108.35
352+50	35250.00	50.00	84.06	0.00	14.49	0.00	137.90	0.00	25.81	0.00	3777.82	57779.23	0.00	0.00	-54001.42
353+00	35300.00	50.00	102.00	0.00	11.34	0.00	172.28	0.00	23.92	0.00	3950.09	57807.93	0.00	0.00	-53857.84
353+31 BK	35331.33	31.33	112.38	0.00	1.57	0.00	124.38	0.00	7.49	0.00	4074.47	57816.92	0.00	0.00	-53742.45
						Column totals	22943.13	0.00	51169.94	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 IH 94 EB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
162+00 AH	16200.00	0.00	118.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162+50	16250.00	50.00	105.52	0.00	0.00	0.00	207.20	0.00	0.00	0.00	207.20	0.00	0.00	0.00	207.20
163+00	16300.00	50.00	106.18	0.00	0.00	0.00	196.02	0.00	0.00	0.00	403.22	0.00	0.00	0.00	403.22
163+50	16350.00	50.00	124.30	0.00	0.00	0.00	213.41	0.00	0.00	0.00	616.63	0.00	0.00	0.00	616.63
164+00	16400.00	50.00	145.75	0.00	0.00	0.00	250.05	0.00	0.00	0.00	866.68	0.00	0.00	0.00	866.68
164+50	16450.00	50.00	165.91	0.00	0.00	0.00	288.57	0.00	0.00	0.00	1155.25	0.00	0.00	0.00	1155.25
165+00	16500.00	50.00	167.15	0.00	0.00	0.00	308.39	0.00	0.00	0.00	1463.64	0.00	0.00	0.00	1463.64
165+50	16550.00	50.00	161.15	0.00	0.00	0.00	303.98	0.00	0.00	0.00	1767.62	0.00	0.00	0.00	1767.62
166+00	16600.00	50.00	155.61	0.00	0.00	0.00	293.30	0.00	0.00	0.00	2060.92	0.00	0.00	0.00	2060.92
166+50	16650.00	50.00	151.71	0.00	0.00	0.00	284.56	0.00	0.00	0.00	2345.47	0.00	0.00	0.00	2345.47
167+00	16700.00	50.00	149.95	0.00	0.00	0.00	279.31	0.00	0.00	0.00	2624.79	0.00	0.00	0.00	2624.79
167+50	16750.00	50.00	150.39	0.00	0.00	0.00	278.09	0.00	0.00	0.00	2902.88	0.00	0.00	0.00	2902.88
168+00	16800.00	50.00	152.24	0.00	0.00	0.00	280.21	0.00	0.00	0.00	3183.09	0.00	0.00	0.00	3183.09
168+50	16850.00	50.00	154.85	0.00	0.00	0.00	284.34	0.00	0.00	0.00	3467.44	0.00	0.00	0.00	3467.44
169+00	16900.00	50.00	159.93	0.00	0.00	0.00	291.46	0.00	0.00	0.00	3758.90	0.00	0.00	0.00	3758.90
169+50	16950.00	50.00	154.50	0.00	0.00	0.00	291.14	0.00	0.00	0.00	4050.04	0.00	0.00	0.00	4050.04
170+00	17000.00	50.00	154.91	0.00	0.00	0.00	286.49	0.00	0.00	0.00	4336.53	0.00	0.00	0.00	4336.53
170+50	17050.00	50.00	155.76	0.00	0.00	0.00	287.66	0.00	0.00	0.00	4624.19	0.00	0.00	0.00	4624.19
171+00	17100.00	50.00	158.46	0.00	0.00	0.00	290.94	0.00	0.00	0.00	4915.13	0.00	0.00	0.00	4915.13
171+50	17150.00	50.00	153.49	0.00	0.00	0.00	288.84	0.00	0.00	0.00	5203.97	0.00	0.00	0.00	5203.97
172+00	17200.00	50.00	159.48	0.00	0.00	0.00	289.79	0.00	0.00	0.00	5493.76	0.00	0.00	0.00	5493.76
172+50	17250.00	50.00	152.89	0.00	0.00	0.00	289.23	0.00	0.00	0.00	5782.99	0.00	0.00	0.00	5782.99
173+00	17300.00	50.00	149.01	0.00	0.00	0.00	279.54	0.00	0.00	0.00	6062.53	0.00	0.00	0.00	6062.53
173+50	17350.00	50.00	159.05	0.00	0.00	0.00	285.24	0.00	0.00	0.00	6347.77	0.00	0.00	0.00	6347.77
174+00	17400.00	50.00	173.65	0.00	0.00	0.00	308.06	0.00	0.00	0.00	6655.82	0.00	0.00	0.00	6655.82
174+50	17450.00	50.00	189.01	0.00	0.00	0.00	335.80	0.00	0.00	0.00	6991.62	0.00	0.00	0.00	6991.62
175+00	17500.00	50.00	173.88	0.00	0.00	0.00	336.01	0.00	0.00	0.00	7327.63	0.00	0.00	0.00	7327.63
175+40	17539.94	39.94	245.30	0.00	0.00	0.00	310.04	0.00	0.00	0.00	7637.67	0.00	0.00	0.00	7637.67

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew96 PLOT SCALE : 1:1

(CONTINUED)

Division 4 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
175+40	17539.94	0.00	201.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7637.67	0.00	0.00	0.00	7637.67
175+50	17550.00	10.06	208.74	0.00	0.00	0.00	76.40	0.00	0.00	0.00	7714.06	0.00	0.00	0.00	7714.06
176+00	17600.00	50.00	243.33	0.00	0.00	0.00	418.58	0.00	0.00	0.00	8132.65	0.00	0.00	0.00	8132.65
176+50	17650.00	50.00	272.13	0.00	0.00	0.00	477.28	0.00	0.00	0.00	8609.93	0.00	0.00	0.00	8609.93
177+00	17700.00	50.00	290.42	0.00	0.00	0.00	520.88	0.00	0.00	0.00	9130.80	0.00	0.00	0.00	9130.80
177+50	17750.00	50.00	292.92	0.00	0.00	0.00	540.13	0.00	0.00	0.00	9670.93	0.00	0.00	0.00	9670.93
178+00	17800.00	50.00	282.98	0.00	0.00	0.00	533.24	0.00	0.00	0.00	10204.18	0.00	0.00	0.00	10204.18
178+50	17850.00	50.00	244.61	0.00	3.73	0.00	488.51	0.00	3.45	0.00	10692.68	4.14	0.00	0.00	10688.54
178+50	17850.00	0.00	245.29	0.00	16.35	0.00	0.00	0.00	0.00	0.00	10692.68	4.14	0.00	0.00	10688.54
179+00	17900.00	50.00	206.89	0.00	49.20	0.00	418.69	0.00	60.69	0.00	11111.37	76.98	0.00	0.00	11034.39
179+50	17950.00	50.00	149.82	0.00	60.32	0.00	330.29	0.00	101.41	0.00	11441.66	198.67	0.00	0.00	11242.99
180+00 BK	18000.00	50.00	93.85	0.00	72.43	0.00	225.62	0.00	122.92	0.00	11667.28	346.17	0.00	0.00	11321.11
182+00 AH	18200.00	0.00	90.31	0.00	64.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
182+50	18250.00	50.00	93.49	0.00	62.84	0.00	170.19	0.00	118.08	0.00	170.19	141.70	0.00	0.00	28.49
183+00	18300.00	50.00	116.95	0.00	56.17	0.00	194.85	0.00	110.19	0.00	365.04	273.93	0.00	0.00	91.10
183+50	18350.00	50.00	126.94	0.00	38.40	0.00	225.82	0.00	87.56	0.00	590.86	379.01	0.00	0.00	211.85
184+00 BK	18400.00	50.00	140.54	0.00	23.28	0.00	247.67	0.00	57.11	0.00	838.53	447.54	0.00	0.00	390.98
		Column totals					12505.80	0.00	661.43	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 IH 94 EB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
192+00 AH	19200.00	0.00	1321.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192+50	19250.00	50.00	1941.65	0.00	0.00	0.00	3021.68	0.00	0.00	0.00	3021.68	0.00	0.00	0.00	3021.68
193+00	19300.00	50.00	2289.01	0.00	0.00	0.00	3917.28	0.00	0.00	0.00	6938.95	0.00	0.00	0.00	6938.95
193+50	19350.00	50.00	3074.86	0.00	0.00	0.00	4966.55	0.00	0.00	0.00	11905.50	0.00	0.00	0.00	11905.50
194+00	19400.00	50.00	4037.35	0.00	0.00	0.00	6585.38	0.00	0.00	0.00	18490.88	0.00	0.00	0.00	18490.88
194+50	19450.00	50.00	4895.16	0.00	0.00	0.00	8270.84	0.00	0.00	0.00	26761.72	0.00	0.00	0.00	26761.72
195+00	19500.00	50.00	5848.18	0.00	0.00	0.00	9947.54	0.00	0.00	0.00	36709.26	0.00	0.00	0.00	36709.26
195+50	19550.00	50.00	6782.78	0.00	0.00	0.00	11695.33	0.00	0.00	0.00	48404.59	0.00	0.00	0.00	48404.59
196+00	19600.00	50.00	7024.90	0.00	0.00	0.00	12784.89	0.00	0.00	0.00	61189.48	0.00	0.00	0.00	61189.48
196+19 BK	19619.47	19.47	6824.30	0.00	0.00	0.00	4993.41	0.00	0.00	0.00	66182.89	0.00	0.00	0.00	66182.89
						Column totals	66182.89	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
193+00 AH	19300	0.00	947.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193+50	19350	50.00	1235.96	0.00	0.00	0.00	2021.44	0.00	0.00	0.00	2021.44	0.00	0.00	0.00	2021.44
194+00	19400	50.00	2525.12	0.00	0.00	0.00	3482.48	0.00	0.00	0.00	5503.93	0.00	0.00	0.00	5503.93
194+50	19450	50.00	3227.50	0.00	0.00	0.00	5326.50	0.00	0.00	0.00	10830.43	0.00	0.00	0.00	10830.43
195+00	19500	50.00	3567.54	0.00	0.00	0.00	6291.70	0.00	0.00	0.00	17122.13	0.00	0.00	0.00	17122.13
195+50	19550	50.00	3961.57	0.00	0.00	0.00	6971.40	0.00	0.00	0.00	24093.53	0.00	0.00	0.00	24093.53
196+00	19600	50.00	4755.41	0.00	0.00	0.00	8071.28	0.00	0.00	0.00	32164.81	0.00	0.00	0.00	32164.81
196+50	19650	50.00	5181.40	0.00	0.00	0.00	9200.75	0.00	0.00	0.00	41365.56	0.00	0.00	0.00	41365.56
197+00	19700	50.00	4264.59	0.00	0.00	0.00	8746.29	0.00	0.00	0.00	50111.84	0.00	0.00	0.00	50111.84
197+50	19750	50.00	2625.04	0.00	310.26	0.00	6379.29	0.00	287.28	0.00	56491.13	344.73	0.00	0.00	56146.40
198+00	19800	50.00	1931.16	0.00	1089.66	0.00	4218.70	0.00	1296.22	0.00	60709.83	1900.20	0.00	0.00	58809.63
198+50	19850	50.00	2559.10	0.00	1193.64	0.00	4157.65	0.00	2114.17	0.00	64867.48	4437.20	0.00	0.00	60430.28
199+00 BK	19900	50.00	2337.30	0.00	139.73	0.00	4533.70	0.00	1234.60	0.00	69401.19	5918.72	0.00	0.00	63482.46
					Column totals		69401.19	0.00	4932.27	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP SW

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
598+95 AH	59895.10	0.00	84.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599+00	59900.00	4.90	75.57	0.00	0.00	0.00	14.52	0.00	0.00	0.00	14.52	0.00	0.00	0.00	14.52
599+33	59932.50	32.50	86.27	0.00	0.00	0.00	97.40	0.00	0.00	0.00	111.93	0.00	0.00	0.00	111.93
599+50	59950.00	17.50	93.52	0.00	0.00	0.00	55.17	0.00	0.00	0.00	69.69	0.00	0.00	0.00	69.69
600+00	60000.00	50.00	112.85	0.00	0.00	0.00	191.08	0.00	0.00	0.00	260.78	0.00	0.00	0.00	260.78
600+50	60050.00	50.00	97.99	0.00	0.00	0.00	195.22	0.00	0.00	0.00	456.00	0.00	0.00	0.00	456.00
601+00	60100.00	50.00	66.42	0.00	0.77	0.00	152.23	0.00	0.71	0.00	608.23	0.86	0.00	0.00	607.37
601+50	60150.00	50.00	39.45	0.00	5.53	0.00	98.03	0.00	5.83	0.00	706.26	7.86	0.00	0.00	698.40
602+00	60200.00	50.00	35.55	0.00	0.00	0.00	69.44	0.00	5.12	0.00	775.70	14.00	0.00	0.00	761.70
602+50	60250.00	50.00	24.44	0.00	0.01	0.00	55.55	0.00	0.01	0.00	831.25	14.01	0.00	0.00	817.24
602+68	60268.38	18.38	20.00	0.00	0.01	0.00	15.13	0.00	0.01	0.00	846.37	14.02	0.00	0.00	832.35
602+68	60268.38	0.00	12.65	0.00	0.01	0.00	0.00	0.00	0.00	0.00	846.37	14.02	0.00	0.00	832.35
603+00	60300.00	31.62	7.92	0.00	0.01	0.00	12.04	0.00	0.01	0.00	858.42	14.03	0.00	0.00	844.39
603+50	60350.00	50.00	0.79	0.00	0.62	0.00	8.06	0.00	0.58	0.00	866.48	14.73	0.00	0.00	851.75
603+68 BK	60367.95	17.95	0.01	0.00	2.44	0.00	0.27	0.00	1.02	0.00	866.75	15.95	0.00	0.00	850.80
						Column totals	964.15	0.00	13.29	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP WS

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.00	1.2	1.30 Note 4	0.80 Note 5	Note 6
556+10 AH	55610.25	0.00	44.14	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
556+50	55650.00	39.75	46.08	0.00	0.69	0.00	66.41	0.00	1.41	0.00	66.41	1.69	0.00	0.00	64.72
557+00	55700.00	50.00	55.15	0.00	0.10	0.00	93.73	0.00	0.73	0.00	160.14	2.56	0.00	0.00	157.58
557+50	55750.00	50.00	56.76	0.00	0.00	0.00	103.62	0.00	0.09	0.00	263.76	2.68	0.00	0.00	261.09
558+00	55800.00	50.00	46.03	0.00	0.00	0.00	95.18	0.00	0.00	0.00	358.94	2.68	0.00	0.00	356.26
558+50	55850.00	50.00	37.23	0.00	0.51	0.00	77.09	0.00	0.47	0.00	436.03	3.24	0.00	0.00	432.79
558+60 BK	55860.00	10.00	49.08	0.00	1.03	0.00	15.98	0.00	0.29	0.00	452.02	3.58	0.00	0.00	448.43
					Column totals		452.02	0.00	2.99	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP WN

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
598+50 AH	59850.00	0.00	0.00	0.00	3386.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
599+00	59900.00	50.00	0.00	0.00	4651.64	0.00	0.00	0.00	7442.64	0.00	0.00	8931.17	0.00	0.00	-8931.17
599+50	59950.00	50.00	0.00	0.00	2867.47	0.00	0.00	0.00	6962.14	0.00	0.00	17285.73	0.00	0.00	-17285.73
600+00	60000.00	50.00	0.00	0.00	1524.87	0.00	0.00	0.00	4066.98	0.00	0.00	22166.11	0.00	0.00	-22166.11
600+50	60050.00	50.00	0.00	0.00	787.48	0.00	0.00	0.00	2141.06	0.00	0.00	24735.39	0.00	0.00	-24735.39
601+00 BK	60100.00	50.00	0.00	0.00	433.82	0.00	0.00	0.00	1130.83	0.00	0.00	26092.39	0.00	0.00	-26092.39
						Column totals	0.00	0.00	21743.66	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
527+00 AH	52700.00	0.00	0.00	0.00	521.24	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
527+50	52750.00	50.00	0.00	0.00	473.92	0.00	0.00	0.00	877.63	0.00	0.00	1054.36	0.00	0.00	-1053.16
528+00	52800.00	50.00	0.00	0.00	253.82	0.00	0.00	0.00	470.04	0.00	0.00	1618.40	0.00	0.00	-1617.20
528+50	52850.00	50.00	0.00	0.00	713.21	0.00	0.00	0.00	1320.76	0.00	0.00	3203.31	0.00	0.00	-3202.11
529+00	52900.00	50.00	0.00	0.00	1989.10	0.00	0.00	0.00	3683.52	0.00	0.00	7623.53	0.00	0.00	-7622.33
529+50	52950.00	50.00	0.00	0.00	2289.20	0.00	0.00	0.00	4239.26	0.00	0.00	12710.64	0.00	0.00	-12709.44
530+00	53000.00	50.00	0.00	0.00	2318.43	0.00	0.00	0.00	4293.39	0.00	0.00	17862.71	0.00	0.00	-17861.51
530+50	53050.00	50.00	0.00	0.00	1689.81	0.00	0.00	0.00	3129.28	0.00	0.00	21617.84	0.00	0.00	-21616.64
531+00	53100.00	50.00	0.00	0.00	1224.47	0.00	0.00	0.00	2267.54	0.00	0.00	24338.89	0.00	0.00	-24337.69
531+50 BK	53150.00	50.00	0.00	0.00	847.77	0.00	0.00	0.00	1569.94	0.00	0.00	26222.82	0.00	0.00	-26221.62
540+30 AH	54030.39	0.00	145.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540+50	54050.00	19.61	139.97	0.00	0.00	0.00	103.67	0.00	0.00	0.00	103.67	0.00	0.00	0.00	103.67
541+00	54100.00	50.00	132.94	0.00	0.00	0.00	252.69	0.00	0.00	0.00	356.37	0.00	0.00	0.00	356.37
541+50	54150.00	50.00	126.72	0.00	0.00	0.00	240.43	0.00	0.00	0.00	596.79	0.00	0.00	0.00	596.79
542+00	54200.00	50.00	118.63	0.00	0.00	0.00	227.18	0.00	0.00	0.00	823.97	0.00	0.00	0.00	823.97
542+50	54250.00	50.00	107.97	0.00	0.00	0.00	209.81	0.00	0.00	0.00	1033.78	0.00	0.00	0.00	1033.78
542+66 BK	54265.62	15.62	104.54	0.00	0.00	0.00	61.47	0.00	0.00	0.00	1095.25	0.00	0.00	0.00	1095.25
Column totals							1095.25	0.00	21851.35	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP BA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
724+59 AH	72459.43	0.00	155.55	0.00	89.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
725+00	72500.00	40.57	0.00	0.00	459.33	0.00	116.86	0.00	412.32	0.00	116.86	494.78	0.00	0.00	-377.92
725+50	72550.00	50.00	0.01	0.00	307.03	0.00	0.01	0.00	709.59	0.00	116.87	1346.29	0.00	0.00	-1229.42
726+00	72600.00	50.00	0.00	0.00	274.56	0.00	0.01	0.00	538.51	0.00	116.88	1992.50	0.00	0.00	-1875.62
726+50	72650.00	50.00	0.00	0.00	218.34	0.00	0.00	0.00	456.39	0.00	116.88	2540.17	0.00	0.00	-2423.29
727+00	72700.00	50.00	0.00	0.00	170.95	0.00	0.00	0.00	360.45	0.00	116.88	2972.72	0.00	0.00	-2855.83
727+50	72750.00	50.00	1.00	0.00	100.76	0.00	0.93	0.00	251.58	0.00	117.81	3274.62	0.00	0.00	-3156.81
728+00	72800.00	50.00	62.82	0.00	5.43	0.00	59.09	0.00	98.32	0.00	176.90	3392.60	0.00	0.00	-3215.70
728+50	72850.00	50.00	163.35	0.00	38.23	0.00	209.42	0.00	40.43	0.00	386.32	3441.12	0.00	0.00	-3054.80
729+00	72900.00	50.00	422.84	0.00	0.27	0.00	542.77	0.00	35.65	0.00	929.09	3483.89	0.00	0.00	-2554.81
729+50	72950.00	50.00	653.98	0.00	0.00	0.00	997.06	0.00	0.25	0.00	1926.14	3484.19	0.00	0.00	-1558.05
730+00	73000.00	50.00	826.93	0.00	0.00	0.00	1371.21	0.00	0.00	0.00	3297.35	3484.19	0.00	0.00	-186.84
730+50	73050.00	50.00	782.58	0.00	0.00	0.00	1490.29	0.00	0.00	0.00	4787.64	3484.19	0.00	0.00	1303.45
731+00	73100.00	50.00	723.96	0.00	0.01	0.00	1394.94	0.00	0.01	0.00	6182.59	3484.20	0.00	0.00	2698.38
731+50	73150.00	50.00	706.19	0.00	3.82	0.00	1324.21	0.00	3.55	0.00	7506.80	3488.46	0.00	0.00	4018.34
732+00	73200.00	50.00	692.44	0.00	459.02	0.00	1295.03	0.00	428.56	0.00	8801.83	4002.73	0.00	0.00	4799.10
732+50	73250.00	50.00	553.57	0.00	1343.37	0.00	1153.71	0.00	1668.88	0.00	9955.54	6005.38	0.00	0.00	3950.16
732+80	73279.78	29.78	501.06	0.00	1746.58	0.00	581.61	0.00	1704.05	0.00	10537.15	8050.24	0.00	0.00	2486.91
732+80	73279.78	0.00	648.54	0.00	1746.86	0.00	0.00	0.00	0.00	0.00	10537.15	8050.24	0.00	0.00	2486.91
733+00	73300.00	20.22	581.89	0.00	2053.35	0.00	460.73	0.00	1422.97	0.00	10997.88	9757.80	0.00	0.00	1240.07
733+50	73350.00	50.00	369.10	0.00	2807.72	0.00	880.55	0.00	4500.99	0.00	11878.42	15158.99	0.00	0.00	-3280.57
734+00	73400.00	50.00	289.93	0.00	2302.16	0.00	610.21	0.00	4731.37	0.00	12488.64	20836.64	0.00	0.00	-8348.00
734+17	73416.78	16.78	272.75	0.00	0.00	0.00	174.85	0.00	715.37	0.00	12663.48	21695.09	0.00	0.00	-9031.60
734+50	73450.00	33.22	243.18	0.00	0.00	0.00	317.39	0.00	0.00	0.00	12980.88	21695.09	0.00	0.00	-8714.21
735+00	73500.00	50.00	205.46	0.00	17.09	0.00	415.41	0.00	15.82	0.00	13396.28	21714.08	0.00	0.00	-8317.79
735+35 BK	73534.70	34.70	191.47	0.00	1531.55	0.00	255.06	0.00	995.14	0.00	13651.35	22908.25	0.00	0.00	-9256.90
		Column totals					13651.35	0.00	19090.21	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 RAMP WJ

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
746+47 AH	74647.24	0.00	94.78	0.00	257.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
746+50	74650.00	2.76	94.93	0.00	243.77	0.00	9.70	0.00	25.63	0.00	9.70	30.75	0.00	0.00	-21.06
747+00	74700.00	50.00	102.81	0.00	57.40	0.00	183.09	0.00	278.86	0.00	192.79	365.39	0.00	0.00	-172.60
747+50	74750.00	50.00	92.72	0.00	5.88	0.00	181.05	0.00	58.59	0.00	373.84	435.70	0.00	0.00	-61.86
748+00	74800.00	50.00	81.98	0.00	7.24	0.00	161.76	0.00	12.15	0.00	535.59	450.27	0.00	0.00	85.32
748+50	74850.00	50.00	63.10	0.00	9.30	0.00	134.33	0.00	15.31	0.00	669.93	468.65	0.00	0.00	201.28
749+00	74900.00	50.00	93.39	0.00	9.08	0.00	144.90	0.00	17.02	0.00	814.83	489.07	0.00	0.00	325.75
749+50	74950.00	50.00	115.55	0.00	5.01	0.00	193.46	0.00	13.05	0.00	1008.29	504.73	0.00	0.00	503.56
750+00	75000.00	50.00	145.38	0.00	0.00	0.00	241.60	0.00	4.64	0.00	1249.89	510.30	0.00	0.00	739.59
750+04	75004.11	4.11	147.34	0.00	0.00	0.00	22.28	0.00	0.00	0.00	1272.17	510.30	0.00	0.00	761.87
750+04	75004.11	0.00	112.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1272.17	510.30	0.00	0.00	761.87
750+38	75037.70	33.59	120.53	0.00	0.00	0.00	144.82	0.00	0.00	0.00	1416.99	510.30	0.00	0.00	906.70
750+38	75037.70	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	1416.99	510.30	0.00	0.00	906.70
750+50	75050.00	12.30	0.00	0.00	2.58	0.00	0.00	0.00	0.74	0.00	1416.99	511.19	0.00	0.00	905.81
750+92 BK	75091.91	41.91	5.00	0.00	4.80	0.00	3.88	0.00	5.73	0.00	1420.87	518.06	0.00	0.00	902.81
		Column totals					1420.87	0.00	431.72	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 RAMP FC

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
789+81 AH	78980.89	0.00	329.00	0.00	405.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
790+00	79000.00	19.11	609.45	0.00	459.68	0.00	332.11	0.00	306.27	0.00	332.11	367.52	0.00	0.00	-35.42
790+50	79050.00	50.00	1102.96	0.00	568.60	0.00	1585.56	0.00	952.11	0.00	1917.67	1510.06	0.00	0.00	407.61
791+00	79100.00	50.00	1407.72	0.00	609.37	0.00	2324.70	0.00	1090.71	0.00	4242.38	2818.91	0.00	0.00	1423.46
791+50	79150.00	50.00	1699.24	0.00	3180.03	0.00	2876.81	0.00	3508.70	0.00	7119.19	7029.36	0.00	0.00	89.83
791+95	79194.9	44.90	2035.67	0.00	2376.30	0.00	3105.51	0.00	4619.99	0.00	10224.70	12573.34	0.00	0.00	-2348.64
791+95	79194.9	0.00	1579.00	0.00	2369.35	0.00	0.00	0.00	0.00	0.00	10224.70	12573.34	0.00	0.00	-2348.64
792+00	79200.00	5.10	1675.79	1.00	2282.95	0.00	307.40	0.00	439.38	0.00	10532.10	13100.60	0.00	0.00	-2568.50
792+50	79250.00	50.00	2148.20	2.00	1384.33	0.00	3540.73	0.00	3395.63	0.00	14072.83	17175.36	0.00	0.00	-3102.53
792+86 BK	79285.77	35.77	2999.84	3.00	690.18	0.00	3410.10	0.00	1374.17	0.00	17482.93	18824.36	0.00	0.00	-1341.43
						Column totals	17482.93	0.00	15686.97	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 W. WISCONSIN AVENUE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
29+72 AH	2971.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29+77	2976.71	4.78	0.00	0.00	1636.14	0.00	0.00	0.00	144.83	0.00	0.00	173.79	0.00	0.00	-173.79
30+00	3000.00	23.29	0.00	0.00	1797.85	0.00	0.00	0.00	1481.07	0.00	0.00	1951.08	0.00	0.00	-1951.08
30+50	3050.00	50.00	0.00	0.00	2375.98	0.00	0.00	0.00	3864.66	0.00	0.00	6588.66	0.00	0.00	-6588.66
31+00	3100.00	50.00	0.00	0.00	642.00	0.00	0.00	0.00	2794.43	0.00	0.00	9941.98	0.00	0.00	-9941.98
31+50	3150.00	50.00	0.87	0.00	72.16	0.00	0.81	0.00	661.26	0.00	0.81	10735.49	0.00	0.00	-10734.68
32+00	3200.00	50.00	0.01	0.00	9.71	0.00	0.81	0.00	75.81	0.00	1.62	10826.45	0.00	0.00	-10824.83
32+50	3250.00	50.00	21.46	0.00	0.00	0.00	19.88	0.00	8.99	0.00	21.50	10837.24	0.00	0.00	-10815.74
33+00	3300.00	50.00	66.79	0.00	19.73	0.00	81.71	0.00	18.27	0.00	103.21	10859.16	0.00	0.00	-10755.95
33+50	3350.00	50.00	82.17	0.00	8.17	0.00	137.93	0.00	25.83	0.00	241.14	10890.16	0.00	0.00	-10649.03
34+00	3400.00	50.00	98.37	0.00	3.44	0.00	167.17	0.00	10.75	0.00	408.31	10903.06	0.00	0.00	-10494.76
34+50	3450.00	50.00	122.57	0.00	1.56	0.00	204.57	0.00	4.63	0.00	612.88	10908.62	0.00	0.00	-10295.74
35+00	3500.00	50.00	117.54	0.00	0.32	0.00	222.32	0.00	1.74	0.00	835.20	10910.71	0.00	0.00	-10075.50
35+50	3550.00	50.00	118.28	0.00	0.03	0.00	218.35	0.00	0.32	0.00	1053.56	10911.10	0.00	0.00	-9857.54
36+00	3600.00	50.00	148.14	0.00	0.00	0.00	246.69	0.00	0.03	0.00	1300.24	10911.13	0.00	0.00	-9610.89
36+50	3650.00	50.00	112.87	0.00	0.00	0.00	241.68	0.00	0.00	0.00	1541.92	10911.13	0.00	0.00	-9369.21
36+92 BK	3691.51	41.51	91.99	0.00	0.00	0.00	157.48	0.00	0.00	0.00	1699.39	10911.13	0.00	0.00	-9211.74
Column totals							1699.39	0.00	9092.61	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 4 N. 95TH STREET

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
48+50 AH	4850.00	0.00	113.81	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49+00	4900.00	50.00	96.74	0.00	7.05	0.00	194.95	0.00	6.60	0.00	194.95	7.92	0.00	0.00	187.03
49+50	4950.00	50.00	35.76	0.00	55.53	0.00	122.69	0.00	57.94	0.00	317.64	77.46	0.00	0.00	240.18
49+69 BK	4969.17	19.17	12.05	0.00	15.53	0.00	16.97	0.00	25.23	0.00	334.61	107.73	0.00	0.00	226.88
50+39 AH	5038.66	0.00	4.42	0.00	18.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50+50	5050.00	11.34	40.11	0.00	9.62	0.00	9.35	0.00	5.99	0.00	9.35	7.18	0.00	0.00	2.17
50+94 BK	5093.62	43.62	42.97	0.00	44.68	0.00	67.11	0.00	43.86	0.00	76.46	59.82	0.00	0.00	16.64
						Column totals	411.07	0.00	139.62	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 4 SW CORE POND (EW)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
180+50 AH	18050.00	0.00	0.00	0.00	79.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
181+00	18100.00	50.00	0.00	0.00	123.08	0.00	0.00	0.00	187.69	0.00	0.00	225.23	0.00	0.00	-225.23
181+50	18150.00	50.00	0.00	0.00	104.66	0.00	0.00	0.00	210.87	0.00	0.00	478.28	0.00	0.00	-478.28
182+00	18200.00	50.00	132.38	0.00	0.00	0.00	122.57	0.00	96.91	0.00	122.57	594.57	0.00	0.00	-471.99
182+50	18250.00	50.00	355.43	0.00	0.00	0.00	451.68	0.00	0.00	0.00	574.25	594.57	0.00	0.00	-20.32
183+00	18300.00	50.00	714.52	0.00	0.00	0.00	990.69	0.00	0.00	0.00	1564.94	594.57	0.00	0.00	970.38
183+50	18350.00	50.00	1087.61	0.00	0.00	0.00	1668.64	0.00	0.00	0.00	3233.58	594.57	0.00	0.00	2639.02
184+00	18400.00	50.00	1448.69	0.00	0.00	0.00	2348.43	0.00	0.00	0.00	5582.01	594.57	0.00	0.00	4987.44
184+50	18450.00	50.00	1555.45	0.00	0.00	0.00	2781.61	0.00	0.00	0.00	8363.62	594.57	0.00	0.00	7769.05
185+00	18500.00	50.00	1616.83	0.00	0.00	0.00	2937.30	0.00	0.00	0.00	11300.92	594.57	0.00	0.00	10706.35
185+50	18550.00	50.00	780.48	0.00	1.69	0.00	2219.73	0.00	1.56	0.00	13520.65	596.44	0.00	0.00	12924.20
185+95 BK	18594.50	44.50	6.46	0.00	0.00	0.00	648.50	0.00	1.39	0.00	14169.15	598.12	0.00	0.00	13571.03
						Column totals	14169.15	0.00	498.43	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 IH 94 EB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
162+00 AH	16200.00	0.00	84.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162+50	16250.00	50.00	59.89	0.00	9.03	0.00	134.00	0.00	8.36	0.00	134.00	10.03	0.00	0.00	123.97
163+00	16300.00	50.00	47.61	0.00	17.26	0.00	99.54	0.00	24.34	0.00	233.54	39.24	0.00	0.00	194.29
163+50	16350.00	50.00	50.91	0.00	21.36	0.00	91.22	0.00	35.76	0.00	324.76	82.16	0.00	0.00	242.60
164+00	16400.00	50.00	59.91	0.00	30.91	0.00	102.61	0.00	48.40	0.00	427.37	140.23	0.00	0.00	287.14
164+50	16450.00	50.00	71.76	0.00	33.09	0.00	121.92	0.00	59.26	0.00	549.29	211.34	0.00	0.00	337.94
165+00	16500.00	50.00	78.97	0.00	37.24	0.00	139.56	0.00	65.12	0.00	688.85	289.49	0.00	0.00	399.36
165+50	16550.00	50.00	91.62	0.00	48.94	0.00	157.95	0.00	79.80	0.00	846.81	385.24	0.00	0.00	461.56
166+00	16600.00	50.00	102.59	0.00	60.93	0.00	179.82	0.00	101.73	0.00	1026.63	507.32	0.00	0.00	519.31
166+50	16650.00	50.00	107.49	0.00	20.07	0.00	194.52	0.00	75.00	0.00	1221.15	597.32	0.00	0.00	623.83
167+00	16700.00	50.00	165.07	0.00	0.00	0.00	252.37	0.00	18.58	0.00	1473.52	619.62	0.00	0.00	853.90
167+50	16750.00	50.00	88.33	0.00	0.00	0.00	234.63	0.00	0.00	0.00	1708.15	619.62	0.00	0.00	1088.53
168+00	16800.00	50.00	74.52	0.00	0.00	0.00	150.79	0.00	0.00	0.00	1858.94	619.62	0.00	0.00	1239.31
168+50	16850.00	50.00	63.93	0.00	0.00	0.00	128.19	0.00	0.00	0.00	1987.13	619.62	0.00	0.00	1367.51
169+00	16900.00	50.00	56.59	0.00	0.00	0.00	111.59	0.00	0.00	0.00	2098.72	619.62	0.00	0.00	1479.10
169+50	16950.00	50.00	156.70	0.00	0.00	0.00	197.49	0.00	0.00	0.00	2296.21	619.62	0.00	0.00	1676.59
170+00	17000.00	50.00	49.94	0.00	0.00	0.00	191.33	0.00	0.00	0.00	2487.55	619.62	0.00	0.00	1867.92
170+50	17050.00	50.00	50.33	0.00	0.00	0.00	92.84	0.00	0.00	0.00	2580.39	619.62	0.00	0.00	1960.77
171+00	17100.00	50.00	53.85	0.00	0.00	0.00	96.46	0.00	0.00	0.00	2676.85	619.62	0.00	0.00	2057.23
171+50	17150.00	50.00	27.85	0.00	4.98	0.00	75.65	0.00	4.61	0.00	2752.50	625.16	0.00	0.00	2127.34

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew110 PLOT SCALE : 1:1

(CONTINUED)

Division 5 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
172+00	17200.00	50.00	68.69	0.00	0.00	0.00	89.39	0.00	4.61	0.00	2841.89	630.69	0.00	0.00	2211.20
172+50	17250.00	50.00	80.52	0.00	0.00	0.00	138.16	0.00	0.00	0.00	2980.05	630.69	0.00	0.00	2349.36
173+00	17300.00	50.00	90.58	0.00	0.00	0.00	158.43	0.00	0.00	0.00	3138.47	630.69	0.00	0.00	2507.78
173+10	17309.66	9.66	91.41	0.00	0.00	0.00	32.56	0.00	0.00	0.00	3171.03	630.69	0.00	0.00	2540.34
173+10	17309.66	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3171.03	630.69	0.00	0.00	2540.34
173+50	17350.00	40.34	40.66	0.00	0.00	0.00	60.26	0.00	0.00	0.00	3231.28	630.69	0.00	0.00	2600.60
174+00	17400.00	50.00	39.96	0.00	0.00	0.00	74.65	0.00	0.00	0.00	3305.93	630.69	0.00	0.00	2675.24
174+50	17450.00	50.00	38.93	0.00	0.00	0.00	73.05	0.00	0.00	0.00	3378.98	630.69	0.00	0.00	2748.29
175+00	17500.00	50.00	39.59	0.00	0.00	0.00	72.70	0.00	0.00	0.00	3451.68	630.69	0.00	0.00	2820.99
175+40	17539.93	39.93	42.02	0.00	0.00	0.00	60.35	0.00	0.00	0.00	3512.03	630.69	0.00	0.00	2881.34
175+40	17539.93	0.00	427.82	0.00	3.91	0.00	0.00	0.00	0.00	0.00	3512.03	630.69	0.00	0.00	2881.34
175+50	17550.00	10.07	447.65	0.00	11.29	0.00	163.26	0.00	2.83	0.00	3675.29	634.09	0.00	0.00	3041.20
176+00	17600.00	50.00	573.16	0.00	4.34	0.00	945.19	0.00	14.47	0.00	4620.48	651.46	0.00	0.00	3969.02
176+50	17650.00	50.00	737.47	0.00	3.09	0.00	1213.55	0.00	6.88	0.00	5834.03	659.71	0.00	0.00	5174.32
177+00	17700.00	50.00	836.95	0.00	4.46	0.00	1457.80	0.00	6.99	0.00	7291.82	668.10	0.00	0.00	6623.72
177+50	17750.00	50.00	848.64	0.00	2.97	0.00	1560.73	0.00	6.88	0.00	8852.56	676.36	0.00	0.00	8176.20
178+00	17800.00	50.00	867.90	0.00	0.00	0.00	1589.39	0.00	2.75	0.00	10441.94	679.66	0.00	0.00	9762.29
178+50	17850.00	50.00	840.08	0.00	12.61	0.00	1581.46	0.00	11.68	0.00	12023.41	693.67	0.00	0.00	11329.74
178+50	17850.00	0.00	839.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12023.41	693.67	0.00	0.00	11329.74
179+00	17900.00	50.00	711.84	0.00	10.88	0.00	1436.26	0.00	10.07	0.00	13459.67	705.76	0.00	0.00	12753.91
179+50	17950.00	50.00	616.12	0.00	63.04	0.00	1229.59	0.00	68.44	0.00	14689.26	787.89	0.00	0.00	13901.37
180+00 BK	18000.00	50.00	0.00	0.00	141.43	0.00	570.48	0.00	189.32	0.00	15259.74	1015.08	0.00	0.00	14244.66
						Column totals	15259.74	0.00	845.90	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
560+45 AH	56044.51	0.00	0.83	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560+50	56050.00	5.49	0.91	0.00	1.57	0.00	0.18	0.00	0.32	0.00	0.18	0.39	0.00	0.00	-0.21
561+00	56100.00	50.00	1.97	0.00	0.20	0.00	2.67	0.00	1.64	0.00	2.84	2.35	0.00	0.00	0.49
561+50	56150.00	50.00	3.18	0.00	0.00	0.00	4.77	0.00	0.19	0.00	7.61	2.58	0.00	0.00	5.04
561+80 BK	56180.00	30.00	3.44	0.00	1.35	0.00	3.68	0.00	0.75	0.00	11.29	3.48	0.00	0.00	7.81
562+32 AH	56231.79	0.00	29.19	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
562+50	56250.00	18.21	25.29	0.00	0.02	0.00	18.37	0.00	0.01	0.00	18.37	0.01	0.00	0.00	18.36
563+00	56300.00	50.00	16.54	0.00	2.35	0.00	38.73	0.00	2.19	0.00	57.10	2.65	0.00	0.00	54.46
563+50	56350.00	50.00	13.30	0.00	6.41	0.00	27.63	0.00	8.11	0.00	84.73	12.38	0.00	0.00	72.35
564+00	56400.00	50.00	11.53	0.00	10.32	0.00	22.99	0.00	15.49	0.00	107.72	30.97	0.00	0.00	76.76
564+50	56450.00	50.00	10.69	0.00	12.91	0.00	20.57	0.00	21.51	0.00	128.30	56.78	0.00	0.00	71.52
565+00	56500.00	50.00	9.70	0.00	16.80	0.00	18.88	0.00	27.51	0.00	147.18	89.79	0.00	0.00	57.39
565+50	56550.00	50.00	8.82	0.00	21.58	0.00	17.15	0.00	35.54	0.00	164.33	132.43	0.00	0.00	31.89
566+00	56600.00	50.00	29.97	0.00	0.01	0.00	35.92	0.00	19.99	0.00	200.24	156.42	0.00	0.00	43.82
566+11 BK	56610.98	10.98	45.29	0.00	0.00	0.00	15.30	0.00	0.00	0.00	215.55	156.43	0.00	0.00	59.12
					Column totals		226.83	0.00	133.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 RAMP NE

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.00 Note 1	1.2	1.30 Note 4	0.80 Note 5	Note 6
550+81 AH	55081.39	0.00	0.45	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551+00	55100.00	18.61	6.70	0.00	0.01	0.00	2.46	0.00	1.05	0.00	2.46	1.26	0.00	0.00	1.20
551+22 BK	55122.18	22.18	7.65	0.00	0.00	0.00	5.89	0.00	0.00	0.00	8.36	1.27	0.00	0.00	7.09
553+08 AH	55307.85	0.00	2.35	0.00	74.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
553+50	55350.00	42.15	0.18	0.00	75.32	0.00	1.97	0.00	116.58	0.00	1.97	139.89	0.00	0.00	-137.92
554+00	55400.00	50.00	0.00	0.00	62.65	0.00	0.17	0.00	127.75	0.00	2.14	293.19	0.00	0.00	-291.05
554+50	55450.00	50.00	0.00	0.00	48.65	0.00	0.00	0.00	103.06	0.00	2.14	416.86	0.00	0.00	-414.72
555+00	55500.00	50.00	0.00	0.00	37.92	0.00	0.00	0.00	80.16	0.00	2.14	513.05	0.00	0.00	-510.91
555+50	55550.00	50.00	8.58	0.00	27.06	0.00	7.94	0.00	60.17	0.00	10.09	585.25	0.00	0.00	-575.16
556+00	55600.00	50.00	46.69	0.00	9.49	0.00	51.18	0.00	33.84	0.00	61.26	625.86	0.00	0.00	-564.60
556+50	55650.00	50.00	32.48	0.00	3.50	0.00	73.31	0.00	12.03	0.00	134.57	640.29	0.00	0.00	-505.72
557+00	55700.00	50.00	42.65	0.00	0.72	0.00	69.56	0.00	3.91	0.00	204.13	644.98	0.00	0.00	-440.85
557+50	55750.00	50.00	56.80	0.00	0.00	0.00	92.08	0.00	0.67	0.00	296.22	645.78	0.00	0.00	-349.56
558+00	55800.00	50.00	62.02	0.00	0.00	0.00	110.02	0.00	0.00	0.00	406.23	645.78	0.00	0.00	-239.55
558+50	55850.00	50.00	67.45	0.00	0.00	0.00	119.88	0.00	0.00	0.00	526.11	645.78	0.00	0.00	-119.67
559+00	55900.00	50.00	75.17	0.00	0.00	0.00	132.06	0.00	0.00	0.00	658.17	645.78	0.00	0.00	12.39
559+50	55950.00	50.00	80.10	0.00	0.00	0.00	143.77	0.00	0.00	0.00	801.94	645.78	0.00	0.00	156.16
560+00	56000.00	50.00	78.14	0.00	0.00	0.00	146.52	0.00	0.00	0.00	948.46	645.78	0.00	0.00	302.68
560+50	56050.00	50.00	72.64	0.00	0.00	0.00	139.61	0.00	0.00	0.00	1088.07	645.78	0.00	0.00	442.29
561+00	56100.00	50.00	67.08	0.00	0.00	0.00	129.37	0.00	0.00	0.00	1217.44	645.78	0.00	0.00	571.66
561+06	56105.60	5.60	66.23	0.00	0.00	0.00	13.82	0.00	0.00	0.00	1231.26	645.78	0.00	0.00	585.48

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew113 PLOT SCALE : 1:1

(CONTINUED)

Division 5 RAMP NE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
561+06	56105.60	0.00	26.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1231.26	645.78	0.00	0.00	585.48
561+50	56150.00	44.40	5.04	0.00	0.00	0.00	26.08	0.00	0.00	0.00	1257.34	645.78	0.00	0.00	611.56
561+55	56155.00	5.00	5.04	0.00	0.00	0.00	0.93	0.00	0.00	0.00	1258.28	645.78	0.00	0.00	612.50
561+55	56155.00	0.00	5.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1258.28	645.78	0.00	0.00	612.50
562+00	56200.00	45.00	5.32	0.00	0.00	0.00	8.63	0.00	0.00	0.00	1266.91	645.78	0.00	0.00	621.13
562+50	56250.00	50.00	6.56	0.00	0.00	0.00	11.00	0.00	0.00	0.00	1277.91	645.78	0.00	0.00	632.13
563+00	56300.00	50.00	8.78	0.00	0.00	0.00	14.20	0.00	0.00	0.00	1292.11	645.78	0.00	0.00	646.33
563+50	56350.00	50.00	11.87	0.00	0.00	0.00	19.12	0.00	0.00	0.00	1311.23	645.78	0.00	0.00	665.45
564+00	56400.00	50.00	13.15	0.00	0.00	0.00	23.17	0.00	0.00	0.00	1334.40	645.78	0.00	0.00	688.62
564+50	56450.00	50.00	13.44	0.00	0.00	0.00	24.62	0.00	0.00	0.00	1359.02	645.78	0.00	0.00	713.24
564+96 BK	56496.25	46.25	13.54	0.00	0.00	0.00	23.11	0.00	0.00	0.00	1382.13	645.78	0.00	0.00	736.35
					Column totals		1390.49	0.00	539.21	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 RAMP SE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
597+34 AH	59733.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
597+38	59737.62	3.63	100.07	0.00	0.14	0.00	6.73	0.00	0.01	0.00	6.73	0.01	0.00	0.00	6.72
597+50	59750.00	12.38	94.53	0.00	0.07	0.00	44.61	0.00	0.05	0.00	51.34	0.07	0.00	0.00	51.27
598+00	59800.00	50.00	82.21	0.00	0.21	0.00	163.65	0.00	0.26	0.00	214.99	0.38	0.00	0.00	214.61
598+50	59850.00	50.00	39.71	0.00	19.28	0.00	112.89	0.00	18.05	0.00	327.88	22.04	0.00	0.00	305.84
599+00	59900.00	50.00	44.92	0.00	122.30	0.00	78.36	0.00	131.09	0.00	406.24	179.35	0.00	0.00	226.89
599+46	59946.40	46.40	39.54	0.00	0.02	0.00	72.57	0.00	105.10	0.00	478.81	305.47	0.00	0.00	173.34
599+46	59946.40	0.00	46.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	478.81	305.47	0.00	0.00	173.34
599+50	59950.00	3.60	45.81	0.00	81.88	0.00	6.15	0.00	5.46	0.00	484.96	312.02	0.00	0.00	172.94
600+00	60000.00	50.00	20.42	0.00	72.36	0.00	61.32	0.00	142.81	0.00	546.29	483.40	0.00	0.00	62.89
600+50	60050.00	50.00	13.60	0.00	73.31	0.00	31.50	0.00	134.88	0.00	577.79	645.26	0.00	0.00	-67.47
601+00	60100.00	50.00	5.96	0.00	71.65	0.00	18.11	0.00	134.22	0.00	595.90	806.32	0.00	0.00	-210.43
601+30 BK	60130.30	30.30	2.29	0.00	69.87	0.00	4.63	0.00	79.41	0.00	600.53	901.61	0.00	0.00	-301.09
					Column totals		600.53	0.00	751.34	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 RAMP SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
566+78 AH	56677.50	0.00	27.84	0.00	30.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
567+00	56700.00	22.50	0.00	0.00	30.48	0.00	11.60	0.00	25.33	0.00	11.60	30.40	0.00	0.00	-18.80
567+50	56750.00	50.00	0.87	0.00	25.49	0.00	0.81	0.00	51.82	0.00	12.41	92.59	0.00	0.00	-80.18
568+00	56800.00	50.00	0.00	0.00	22.16	0.00	0.81	0.00	44.12	0.00	13.21	145.53	0.00	0.00	-132.32
568+50	56850.00	50.00	0.00	0.00	25.22	0.00	0.00	0.00	43.87	0.00	13.21	198.18	0.00	0.00	-184.97
569+00	56900.00	50.00	0.00	0.00	28.59	0.00	0.00	0.00	49.82	0.00	13.21	257.97	0.00	0.00	-244.76
569+50	56950.00	50.00	0.00	0.00	31.32	0.00	0.00	0.00	55.47	0.00	13.21	324.53	0.00	0.00	-311.32
570+00	57000.00	50.00	0.00	0.00	46.33	0.00	0.00	0.00	71.90	0.00	13.21	410.81	0.00	0.00	-397.60
570+50	57050.00	50.00	2.24	0.00	39.75	0.00	2.07	0.00	79.70	0.00	15.29	506.46	0.00	0.00	-491.17
570+86	57086.00	36.00	0.00	0.00	71.14	0.00	1.49	0.00	73.93	0.00	16.78	595.17	0.00	0.00	-578.39
570+86	57086.00	0.00	10.97	0.00	63.89	0.00	0.00	0.00	0.00	0.00	16.78	595.17	0.00	0.00	-578.39
571+00	57100.00	14.00	33.64	0.00	68.71	0.00	11.57	0.00	34.38	0.00	28.34	636.42	0.00	0.00	-608.08
571+50	57150.00	50.00	0.54	0.00	67.54	0.00	31.65	0.00	126.16	0.00	59.99	787.81	0.00	0.00	-727.82
572+00	57200.00	50.00	2.53	0.00	24.27	0.00	2.84	0.00	85.01	0.00	62.83	889.82	0.00	0.00	-826.99
572+50	57250.00	50.00	29.35	0.00	13.00	0.00	29.52	0.00	34.51	0.00	92.35	931.23	0.00	0.00	-838.88
573+00	57300.00	50.00	70.71	0.00	12.74	0.00	92.65	0.00	23.83	0.00	185.00	959.83	0.00	0.00	-774.83
573+00	57300.00	0.00	125.49	0.00	12.68	0.00	0.00	0.00	0.00	0.00	185.00	959.83	0.00	0.00	-774.83
573+50	57350.00	50.00	149.82	0.00	8.11	0.00	254.92	0.00	19.25	0.00	439.92	982.93	0.00	0.00	-543.01
574+00	57400.00	50.00	294.94	0.00	6.35	0.00	411.81	0.00	13.39	0.00	851.73	999.00	0.00	0.00	-147.27
574+50	57450.00	50.00	367.17	0.00	44.49	0.00	613.06	0.00	47.07	0.00	1464.80	1055.49	0.00	0.00	409.31
575+00	57500.00	50.00	387.35	0.00	2.61	0.00	698.63	0.00	43.61	0.00	2163.43	1107.82	0.00	0.00	1055.61
575+34 BK	57534.00	34.00	392.63	0.00	0.02	0.00	491.10	0.00	1.66	0.00	2654.53	1109.81	0.00	0.00	1544.72
		Column totals					2654.53	0.00	924.84	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 RAMP FC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
801+60 AH	80160.00	0.00	20.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
802+00	80200.00	40.00	20.14	0.00	0.00	0.00	30.21	0.00	0.00	0.00	30.21	0.00	0.00	0.00	30.21
802+50	80250.00	50.00	19.82	0.00	0.00	0.00	37.00	0.00	0.00	0.00	67.21	0.00	0.00	0.00	67.21
803+00	80300.00	50.00	20.13	0.00	0.00	0.00	36.99	0.00	0.00	0.00	104.21	0.00	0.00	0.00	104.21
803+50	80350.00	50.00	20.79	0.00	0.00	0.00	37.89	0.00	0.00	0.00	142.09	0.00	0.00	0.00	142.09
804+00	80400.00	50.00	21.94	0.00	0.00	0.00	39.56	0.00	0.00	0.00	181.66	0.00	0.00	0.00	181.66
804+50	80450.00	50.00	22.78	0.00	0.00	0.00	41.41	0.00	0.00	0.00	223.07	0.00	0.00	0.00	223.07
805+00	80500.00	50.00	22.75	0.00	0.00	0.00	42.16	0.00	0.00	0.00	265.22	0.00	0.00	0.00	265.22
805+50	80550.00	50.00	22.34	0.00	0.00	0.00	41.75	0.00	0.00	0.00	306.97	0.00	0.00	0.00	306.97
806+00	80600.00	50.00	22.27	0.00	0.00	0.00	41.31	0.00	0.00	0.00	348.28	0.00	0.00	0.00	348.28
806+50	80650.00	50.00	22.26	0.00	0.00	0.00	41.23	0.00	0.00	0.00	389.51	0.00	0.00	0.00	389.51
807+00	80700.00	50.00	22.26	0.00	0.00	0.00	41.22	0.00	0.00	0.00	430.73	0.00	0.00	0.00	430.73
807+50	80750.00	50.00	22.26	0.00	0.00	0.00	41.22	0.00	0.00	0.00	471.96	0.00	0.00	0.00	471.96
808+00	80800.00	50.00	22.27	0.00	0.00	0.00	41.23	0.00	0.00	0.00	513.19	0.00	0.00	0.00	513.19
808+50	80850.00	50.00	22.43	0.00	0.00	0.00	41.39	0.00	0.00	0.00	554.58	0.00	0.00	0.00	554.58
809+00	80900.00	50.00	22.42	0.00	0.00	0.00	41.53	0.00	0.00	0.00	596.10	0.00	0.00	0.00	596.10
809+22 BK	80922.38	22.38	22.47	0.00	0.00	0.00	18.60	0.00	0.00	0.00	614.71	0.00	0.00	0.00	614.71
					Column totals		614.71	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 NSM

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
9+58 AH	958.16	0.00	27.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+00	1000.00	41.84	25.23	0.00	0.00	0.00	40.68	0.00	0.00	0.00	40.68	0.00	0.00	0.00	40.68
10+50	1050.00	50.00	23.38	0.00	0.00	0.00	45.01	0.00	0.00	0.00	85.69	0.00	0.00	0.00	85.69
11+00	1100.00	50.00	25.25	0.00	0.00	0.00	45.03	0.00	0.00	0.00	130.71	0.00	0.00	0.00	130.71
11+50	1150.00	50.00	27.71	0.00	0.00	0.00	49.04	0.00	0.00	0.00	179.75	0.00	0.00	0.00	179.75
12+00	1200.00	50.00	28.26	0.00	0.00	0.00	51.82	0.00	0.00	0.00	231.58	0.00	0.00	0.00	231.58
12+50	1250.00	50.00	29.28	0.00	0.00	0.00	53.28	0.00	0.00	0.00	284.85	0.00	0.00	0.00	284.85
13+00	1300.00	50.00	29.96	0.00	0.00	0.00	54.85	0.00	0.00	0.00	339.71	0.00	0.00	0.00	339.71
13+50	1350.00	50.00	30.53	0.00	0.00	0.00	56.01	0.00	0.00	0.00	395.71	0.00	0.00	0.00	395.71
14+00	1400.00	50.00	30.26	0.00	0.00	0.00	56.29	0.00	0.00	0.00	452.00	0.00	0.00	0.00	452.00
14+50	1450.00	50.00	29.31	0.00	0.00	0.00	55.16	0.00	0.00	0.00	507.16	0.00	0.00	0.00	507.16
15+00	1500.00	50.00	27.46	0.00	0.00	0.00	52.56	0.00	0.00	0.00	559.72	0.00	0.00	0.00	559.72
15+50	1550.00	50.00	28.99	0.00	0.00	0.00	52.27	0.00	0.00	0.00	611.99	0.00	0.00	0.00	611.99
16+00	1600.00	50.00	20.71	0.00	0.32	0.00	46.02	0.00	0.30	0.00	658.01	0.36	0.00	0.00	657.66
16+50	1650.00	50.00	8.63	0.00	4.48	0.00	27.17	0.00	4.44	0.00	685.18	5.69	0.00	0.00	679.49
17+00	1700.00	50.00	5.97	0.00	9.48	0.00	13.52	0.00	12.93	0.00	698.70	21.20	0.00	0.00	677.50
17+50	1750.00	50.00	5.15	0.00	10.84	0.00	10.30	0.00	18.81	0.00	708.99	43.78	0.00	0.00	665.21
18+00	1800.00	50.00	4.29	0.00	9.73	0.00	8.74	0.00	19.05	0.00	717.73	66.63	0.00	0.00	651.10
18+50	1850.00	50.00	2.79	0.00	7.78	0.00	6.56	0.00	16.21	0.00	724.29	86.09	0.00	0.00	638.20
19+00	1900.00	50.00	1.30	0.00	5.79	0.00	3.79	0.00	12.56	0.00	728.08	101.17	0.00	0.00	626.91
19+06 BK	1906.46	6.46	1.44	0.00	5.65	0.00	0.33	0.00	1.37	0.00	728.40	102.81	0.00	0.00	625.59
Column totals							728.40	0.00	85.67	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 EWU

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
15+10 AH	1510.17	0.00	20.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15+50	1550.00	39.83	20.25	0.00	0.00	0.00	29.77	0.00	0.00	0.00	29.77	0.00	0.00	0.00	29.77
16+00	1600.00	50.00	20.26	0.00	0.00	0.00	37.51	0.00	0.00	0.00	67.28	0.00	0.00	0.00	67.28
16+50	1650.00	50.00	19.91	0.00	0.00	0.00	37.19	0.00	0.00	0.00	104.47	0.00	0.00	0.00	104.47
17+00	1700.00	50.00	18.83	0.00	0.00	0.00	35.87	0.00	0.00	0.00	140.34	0.00	0.00	0.00	140.34
17+50	1750.00	50.00	17.80	0.00	0.00	0.00	33.92	0.00	0.00	0.00	174.26	0.00	0.00	0.00	174.26
18+00	1800.00	50.00	16.36	0.00	0.00	0.00	31.63	0.00	0.00	0.00	205.89	0.00	0.00	0.00	205.89
18+50	1850.00	50.00	10.33	0.00	0.05	0.00	24.71	0.00	0.05	0.00	230.60	0.06	0.00	0.00	230.55
19+00	1900.00	50.00	4.46	0.00	0.59	0.00	13.69	0.00	0.59	0.00	244.30	0.77	0.00	0.00	243.53
19+50	1950.00	50.00	1.74	0.00	1.50	0.00	5.74	0.00	1.94	0.00	250.04	3.09	0.00	0.00	246.95
20+00	2000.00	50.00	0.20	0.00	2.99	0.00	1.80	0.00	4.16	0.00	251.83	8.08	0.00	0.00	243.76
20+50	2050.00	50.00	0.00	0.00	4.93	0.00	0.19	0.00	7.33	0.00	252.02	16.88	0.00	0.00	235.14
21+00	2100.00	50.00	0.00	0.00	7.40	0.00	0.00	0.00	11.42	0.00	252.02	30.58	0.00	0.00	221.44
21+31 BK	2131.12	31.12	0.00	0.00	8.68	0.00	0.00	0.00	9.27	0.00	252.02	41.70	0.00	0.00	210.32
						Column totals	252.02	0.00	34.75	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 EWV

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+00 AH	1100.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	50.00	2.24	0.00	0.00	0.00	3.46	0.00	0.00	0.00	3.46	0.00	0.00	0.00	3.46
12+00	1200.00	50.00	4.39	0.00	0.07	0.00	6.14	0.00	0.06	0.00	9.60	0.08	0.00	0.00	9.52
12+50	1250.00	50.00	7.28	0.00	0.77	0.00	10.81	0.00	0.78	0.00	20.41	1.01	0.00	0.00	19.40
13+00	1300.00	50.00	9.82	0.00	0.64	0.00	15.83	0.00	1.31	0.00	36.24	2.58	0.00	0.00	33.66
13+50	1350.00	50.00	14.44	0.00	0.03	0.00	22.46	0.00	0.62	0.00	58.70	3.32	0.00	0.00	55.38
14+00	1400.00	50.00	17.89	0.00	0.00	0.00	29.94	0.00	0.03	0.00	88.64	3.36	0.00	0.00	85.28
14+50	1450.00	50.00	17.86	0.00	0.00	0.00	33.10	0.00	0.00	0.00	121.74	3.36	0.00	0.00	118.39
15+00	1500.00	50.00	17.09	0.00	0.00	0.00	32.36	0.00	0.00	0.00	154.10	3.36	0.00	0.00	150.75
15+50	1550.00	50.00	12.07	0.00	0.01	0.00	27.00	0.00	0.01	0.00	181.10	3.37	0.00	0.00	177.74
16+00	1600.00	50.00	10.45	0.00	0.46	0.00	20.85	0.00	0.44	0.00	201.95	3.89	0.00	0.00	198.06
16+50	1650.00	50.00	7.03	0.00	0.53	0.00	16.19	0.00	0.92	0.00	218.14	4.99	0.00	0.00	213.15
17+00	1700.00	50.00	3.68	0.00	0.02	0.00	9.92	0.00	0.51	0.00	228.06	5.60	0.00	0.00	222.46
17+29 BK	1729.20	29.20	1.50	0.00	0.00	0.00	2.80	0.00	0.01	0.00	230.86	5.61	0.00	0.00	225.24
					Column totals		230.86	0.00	4.68	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 ENA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
10+28 AH	1027.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	22.12	0.61	0.00	0.15	0.00	0.25	0.00	0.06	0.00	0.25	0.07	0.00	0.00	0.18
11+00	1100.00	50.00	4.39	0.00	0.28	0.00	4.63	0.00	0.40	0.00	4.88	0.55	0.00	0.00	4.33
11+50	1150.00	50.00	22.79	0.00	0.11	0.00	25.17	0.00	0.36	0.00	30.05	0.98	0.00	0.00	29.06
12+00	1200.00	50.00	4.67	0.00	7.04	0.00	25.43	0.00	6.62	0.00	55.47	8.93	0.00	0.00	46.54
12+50	1250.00	50.00	0.00	0.00	57.52	0.00	4.32	0.00	59.78	0.00	59.80	80.66	0.00	0.00	-20.87
13+00	1300.00	50.00	0.00	0.00	121.38	0.00	0.00	0.00	165.65	0.00	59.80	279.44	0.00	0.00	-219.64
13+50	1350.00	50.00	127.89	0.00	71.93	0.00	118.42	0.00	178.99	0.00	178.21	494.23	0.00	0.00	-316.02
14+00	1400.00	50.00	106.24	0.00	44.54	0.00	216.79	0.00	107.84	0.00	395.00	623.64	0.00	0.00	-228.64
14+50	1450.00	50.00	148.39	0.00	15.74	0.00	235.77	0.00	55.81	0.00	630.77	690.62	0.00	0.00	-59.85
15+00	1500.00	50.00	298.45	0.00	0.00	0.00	413.74	0.00	14.57	0.00	1044.51	708.11	0.00	0.00	336.40
15+50	1550.00	50.00	334.90	0.00	0.00	0.00	586.44	0.00	0.00	0.00	1630.94	708.11	0.00	0.00	922.84
16+00	1600.00	50.00	291.81	0.00	0.00	0.00	580.29	0.00	0.00	0.00	2211.23	708.11	0.00	0.00	1503.12
16+50	1650.00	50.00	263.48	0.00	1.67	0.00	514.16	0.00	1.55	0.00	2725.39	709.96	0.00	0.00	2015.43
17+00	1700.00	50.00	245.46	0.00	0.08	0.00	471.24	0.00	1.62	0.00	3196.63	711.91	0.00	0.00	2484.72
17+50	1750.00	50.00	157.08	0.00	0.00	0.00	372.72	0.00	0.07	0.00	3569.35	712.00	0.00	0.00	2857.36
18+00	1800.00	50.00	61.40	0.00	0.00	0.00	202.30	0.00	0.00	0.00	3771.65	712.00	0.00	0.00	3059.65
18+50	1850.00	50.00	19.46	0.00	0.00	0.00	74.87	0.00	0.00	0.00	3846.52	712.00	0.00	0.00	3134.52
19+00	1900.00	50.00	11.73	0.00	0.00	0.00	28.88	0.00	0.00	0.00	3875.40	712.00	0.00	0.00	3163.40
19+50	1950.00	50.00	8.04	0.00	0.46	0.00	18.31	0.00	0.43	0.00	3893.70	712.51	0.00	0.00	3181.20
19+67 BK	1967.44	17.44	7.70	0.00	1.37	0.00	5.08	0.00	0.59	0.00	3898.79	713.22	0.00	0.00	3185.57
Column totals							3898.79	0.00	594.35	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 5 SWD

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+00 AH	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	50.00	2.33	0.00	1.59	0.00	2.16	0.00	1.47	0.00	2.16	1.77	0.00	0.00	0.39
12+00	1200.00	50.00	3.14	0.00	4.68	0.00	5.06	0.00	5.81	0.00	7.22	8.73	0.00	0.00	-1.51
12+50	1250.00	50.00	3.05	0.00	9.49	0.00	5.73	0.00	13.12	0.00	12.95	24.48	0.00	0.00	-11.52
13+00	1300.00	50.00	2.97	0.00	14.22	0.00	5.57	0.00	21.95	0.00	18.53	50.82	0.00	0.00	-32.29
13+50	1350.00	50.00	4.53	0.00	9.75	0.00	6.94	0.00	22.19	0.00	25.47	77.46	0.00	0.00	-51.98
14+00	1400.00	50.00	9.37	0.00	3.35	0.00	12.87	0.00	12.13	0.00	38.34	92.01	0.00	0.00	-53.67
14+50	1450.00	50.00	10.85	0.00	2.26	0.00	18.72	0.00	5.19	0.00	57.06	98.24	0.00	0.00	-41.18
15+00	1500.00	50.00	13.69	0.00	0.54	0.00	22.72	0.00	2.59	0.00	79.79	101.36	0.00	0.00	-21.57
15+47 BK	1546.67	46.67	22.05	0.00	0.00	0.00	30.89	0.00	0.47	0.00	110.68	101.92	0.00	0.00	8.76
		Column totals					110.68	0.00	84.93	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 5 SW CORE POND (PSW)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
11+15 AH	1114.50	0.00	9.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	35.50	1665.24	0.00	0.47	0.00	1100.69	0.00	0.32	0.00	1100.69	0.38	0.00	0.00	1100.31
12+00	1200.00	50.00	4405.58	0.00	0.00	0.00	5621.13	0.00	0.44	0.00	6721.82	0.90	0.00	0.00	6720.92
12+50	1250.00	50.00	3644.76	0.00	0.00	0.00	7454.02	0.00	0.00	0.00	14175.84	0.90	0.00	0.00	14174.94
13+00	1300.00	50.00	913.29	0.00	0.00	0.00	4220.42	0.00	0.00	0.00	18396.26	0.90	0.00	0.00	18395.35
13+30 BK	1330.00	30.00	16.36	0.00	0.01	0.00	516.47	0.00	0.01	0.00	18912.73	0.91	0.00	0.00	18911.82
		Column totals					18912.73	0.00	0.76	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/ Unusable Pavement Material Note 2	Fill Note 3	EBS	Cumulative Vol (CY) Cut Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
289+95 AH	28995.00	0.00	0.00	0.00	3456.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
290+00	29000.00	5.00	0.00	0.00	3664.56	0.00	0.00	0.00	659.39	0.00	0.00	791.27	0.00	0.00	-791.27
290+50	29050.00	50.00	0.00	0.00	5470.54	0.00	0.00	0.00	8458.43	0.00	0.00	10941.38	0.00	0.00	-10941.38
291+00	29100.00	50.00	0.00	0.00	6855.76	0.00	0.00	0.00	11413.24	0.00	0.00	24637.27	0.00	0.00	-24637.27
291+50	29150.00	50.00	0.00	0.00	5207.31	0.00	0.00	0.00	11169.51	0.00	0.00	38040.68	0.00	0.00	-38040.68
292+00	29200.00	50.00	0.00	0.00	3364.85	0.00	0.00	0.00	7937.19	0.00	0.00	47565.30	0.00	0.00	-47565.30
292+14 BK	29214.13	14.13	0.00	0.00	3041.40	0.00	0.00	0.00	1676.30	0.00	0.00	49576.86	0.00	0.00	-49576.86
		Column totals					0.00	0.00	41314.05	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
192+00 AH	19200.00	0.00	30.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192+50	19250.00	50.00	31.94	0.00	2.32	0.00	57.82	0.00	2.15	0.00	57.82	2.58	0.00	0.00	55.25
193+00	19300.00	50.00	28.02	0.00	7.77	0.00	55.52	0.00	9.34	0.00	113.34	13.79	0.00	0.00	99.55
193+50	19350.00	50.00	26.33	0.00	10.71	0.00	50.32	0.00	17.11	0.00	163.67	34.32	0.00	0.00	129.34
194+00	19400.00	50.00	26.82	0.00	8.90	0.00	49.21	0.00	18.16	0.00	212.88	56.11	0.00	0.00	156.77
194+50	19450.00	50.00	27.24	0.00	7.14	0.00	50.06	0.00	14.85	0.00	262.94	73.93	0.00	0.00	189.00
195+00	19500.00	50.00	27.28	0.00	8.27	0.00	50.48	0.00	14.27	0.00	313.42	91.06	0.00	0.00	222.36
195+50	19550.00	50.00	27.51	0.00	11.32	0.00	50.73	0.00	18.14	0.00	364.15	112.82	0.00	0.00	251.33
196+00	19600.00	50.00	29.91	0.00	13.81	0.00	53.17	0.00	23.27	0.00	417.31	140.74	0.00	0.00	276.57
196+50	19650.00	50.00	29.97	0.00	0.00	0.00	55.44	0.00	12.79	0.00	472.76	156.09	0.00	0.00	316.67
196+80 BK	19680.00	30.00	0.00	0.00	0.00	0.00	16.65	0.00	0.00	0.00	489.41	156.09	0.00	0.00	333.32
197+26 AH	19725.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197+50	19750.00	24.15	17.08	0.00	0.00	0.00	7.64	0.00	0.00	0.00	7.64	0.00	0.00	0.00	7.64
198+00	19800.00	50.00	33.35	0.00	0.00	0.00	46.69	0.00	0.00	0.00	54.33	0.00	0.00	0.00	54.33
198+50	19850.00	50.00	83.61	0.00	0.00	0.00	108.30	0.00	0.00	0.00	162.63	0.00	0.00	0.00	162.63
199+00	19900.00	50.00	132.96	0.00	0.00	0.00	200.53	0.00	0.00	0.00	363.16	0.00	0.00	0.00	363.16
199+50	19950.00	50.00	166.90	0.00	0.00	0.00	277.65	0.00	0.00	0.00	640.81	0.00	0.00	0.00	640.81
200+00	20000.00	50.00	181.30	0.00	0.00	0.00	322.41	0.00	0.00	0.00	963.21	0.00	0.00	0.00	963.21
200+50	20050.00	50.00	184.41	0.00	0.00	0.00	338.62	0.00	0.00	0.00	1301.83	0.00	0.00	0.00	1301.83
201+00	20100.00	50.00	190.18	0.00	0.00	0.00	346.84	0.00	0.00	0.00	1648.68	0.00	0.00	0.00	1648.68
201+50	20150.00	50.00	168.11	0.00	0.00	0.00	331.75	0.00	0.00	0.00	1980.43	0.00	0.00	0.00	1980.43
202+00	20200.00	50.00	112.98	0.00	0.00	0.00	260.27	0.00	0.00	0.00	2240.69	0.00	0.00	0.00	2240.69
202+50	20250.00	50.00	39.33	0.00	0.00	0.00	141.03	0.00	0.00	0.00	2381.72	0.00	0.00	0.00	2381.72
203+00	20300.00	50.00	39.15	0.00	0.00	0.00	72.67	0.00	0.00	0.00	2454.39	0.00	0.00	0.00	2454.39
203+50	20350.00	50.00	116.44	0.00	0.00	0.00	144.06	0.00	0.00	0.00	2598.45	0.00	0.00	0.00	2598.45
204+00	20400.00	50.00	69.35	0.00	0.00	0.00	172.03	0.00	0.00	0.00	2770.48	0.00	0.00	0.00	2770.48
204+50	20450.00	50.00	67.73	0.00	0.18	0.00	126.93	0.00	0.17	0.00	2897.41	0.20	0.00	0.00	2897.21
205+00	20500.00	50.00	69.52	0.00	2.98	0.00	127.08	0.00	2.93	0.00	3024.49	3.71	0.00	0.00	3020.78
205+50	20550.00	50.00	74.28	0.00	10.06	0.00	133.15	0.00	12.07	0.00	3157.64	18.20	0.00	0.00	3139.44
206+00	20600.00	50.00	74.52	0.00	17.56	0.00	137.78	0.00	25.57	0.00	3295.42	48.89	0.00	0.00	3246.53
206+50	20650.00	50.00	74.83	0.00	21.82	0.00	138.29	0.00	36.46	0.00	3433.70	92.64	0.00	0.00	3341.06
206+98	20698.00	48.00	69.16	0.00	19.98	0.00	127.99	0.00	37.16	0.00	3561.69	137.23	0.00	0.00	3424.46

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
206+98	20698.00	0.00	82.68	0.00	20.02	0.00	0.00	0.00	0.00	0.00	3561.69	137.23	0.00	0.00	3424.46
207+00	20700.00	2.00	128.01		24.71	0.00	7.80	0.00	1.66	0.00	3569.50	139.22	0.00	0.00	3430.28
207+50	20750.00	52.00	102.05	0.00	41.76	0.00	221.54	0.00	64.01	0.00	3791.04	216.03	0.00	0.00	3575.01
208+00	20800.00	50.00	98.00	0.00	25.96	0.00	185.23	0.00	62.70	0.00	3976.27	291.27	0.00	0.00	3685.00
208+05	20805.00	5.00	77.94	0.00	20.08	0.00	16.29	0.00	4.26	0.00	3992.56	296.39	0.00	0.00	3696.17
208+05	20805.00	0.00	47.53	0.00	15.95	0.00	0.00	0.00	0.00	0.00	3992.56	296.39	0.00	0.00	3696.17
208+50	20850.00	45.00	88.36	0.00	3.27	0.00	113.24	0.00	16.02	0.00	4105.80	315.61	0.00	0.00	3790.19
209+00	20900.00	50.00	94.16	0.00	2.71	0.00	169.00	0.00	5.54	0.00	4274.80	322.25	0.00	0.00	3952.55
209+50	20950.00	50.00	68.88	0.00	1.41	0.00	150.96	0.00	3.81	0.00	4425.76	326.83	0.00	0.00	4098.93
210+00	21000.00	50.00	69.92	0.00	0.00	0.00	128.52	0.00	1.31	0.00	4554.28	328.40	0.00	0.00	4225.88
210+50	21050.00	50.00	72.97	0.00	0.00	0.00	132.31	0.00	0.00	0.00	4686.59	328.40	0.00	0.00	4358.19
210+63	21063.00	13.00	75.17	0.00	0.00	0.00	35.66	0.00	0.00	0.00	4722.25	328.40	0.00	0.00	4393.85
210+63	21063.00	0.00	30.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4722.25	328.40	0.00	0.00	4393.85
211+00	21100.00	37.00	31.71	0.00	0.00	0.00	42.70	0.00	0.00	0.00	4764.95	328.40	0.00	0.00	4436.55
211+00	21100.00	0.00	61.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4764.95	328.40	0.00	0.00	4436.55
211+50	21150.00	50.00	59.44	0.00	0.00	0.00	112.30	0.00	0.00	0.00	4877.25	328.40	0.00	0.00	4548.85
212+00	21200.00	50.00	57.72	0.00	0.00	0.00	108.48	0.00	0.00	0.00	4985.73	328.40	0.00	0.00	4657.33
212+50	21250.00	50.00	52.95	0.00	0.00	0.00	102.47	0.00	0.00	0.00	5088.20	328.40	0.00	0.00	4759.80
212+63	21262.62	12.62	161.45	0.00	0.00	0.00	50.11	0.00	0.00	0.00	5138.31	328.40	0.00	0.00	4809.91
212+63	21262.62	0.00	302.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5138.31	328.40	0.00	0.00	4809.91
213+00	21300.00	37.38	423.13	0.00	0.00	0.00	502.10	0.00	0.00	0.00	5640.40	328.40	0.00	0.00	5312.01
213+50	21350.00	50.00	460.61	0.00	0.00	0.00	818.28	0.00	0.00	0.00	6458.68	328.40	0.00	0.00	6130.28
214+00	21400.00	50.00	439.97	0.00	0.00	0.00	833.87	0.00	0.00	0.00	7292.55	328.40	0.00	0.00	6964.15
214+00	21400.00	0.00	455.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7292.55	328.40	0.00	0.00	6964.15
214+50	21450.00	50.00	378.70	0.00	0.00	0.00	772.22	0.00	0.00	0.00	8064.77	328.40	0.00	0.00	7736.38
215+00	21500.00	50.00	297.92	0.00	0.00	0.00	626.50	0.00	0.00	0.00	8691.27	328.40	0.00	0.00	8362.88
215+50	21550.00	50.00	222.20	0.00	1.44	0.00	481.59	0.00	1.33	0.00	9172.87	330.00	0.00	0.00	8842.87
216+00	21600.00	50.00	142.16	0.00	4.24	0.00	337.37	0.00	5.26	0.00	9510.24	336.31	0.00	0.00	9173.93

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/ Unusable Pavement Material Note 2	Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
216+00	21600.00	0.00	145.15	0.00	4.02	0.00	0.00	0.00	0.00	0.00	9510.24	336.31	0.00	0.00	9173.93
216+50	21650.00	50.00	96.56	0.00	8.76	0.00	223.81	0.00	11.83	0.00	9734.04	350.51	0.00	0.00	9383.53
217+00	21700.00	50.00	56.02	0.00	20.93	0.00	141.28	0.00	27.49	0.00	9875.32	383.50	0.00	0.00	9491.82
217+50	21750.00	50.00	22.23	0.00	48.21	0.00	72.45	0.00	64.02	0.00	9947.77	460.32	0.00	0.00	9487.45
218+00	21800.00	50.00	3.66	0.00	98.52	0.00	23.97	0.00	135.86	0.00	9971.75	623.35	0.00	0.00	9348.39
218+50	21850.00	50.00	4.83	0.00	177.02	0.00	7.86	0.00	255.13	0.00	9979.61	929.51	0.00	0.00	9050.10
219+00	21900.00	50.00	3.56	0.00	277.49	0.00	7.77	0.00	420.84	0.00	9987.38	1434.52	0.00	0.00	8552.86
219+50	21950.00	50.00	9.01	0.00	396.48	0.00	11.64	0.00	624.05	0.00	9999.02	2183.38	0.00	0.00	7815.64
220+00	22000.00	50.00	8.80	0.00	482.32	0.00	16.49	0.00	813.70	0.00	10015.51	3159.82	0.00	0.00	6855.69
220+50	22050.00	50.00	6.57	0.00	538.97	0.00	14.23	0.00	945.64	0.00	10029.74	4294.59	0.00	0.00	5735.15
221+00	22100.00	50.00	5.30	0.00	601.25	0.00	10.99	0.00	1055.76	0.00	10040.73	5561.50	0.00	0.00	4479.23
221+50	22150.00	50.00	1.67	0.00	659.58	0.00	6.45	0.00	1167.44	0.00	10047.18	6962.42	0.00	0.00	3084.76
222+00	22200.00	50.00	0.00	0.00	488.66	0.00	1.55	0.00	1063.19	0.00	10048.73	8238.24	0.00	0.00	1810.49
222+50	22250.00	50.00	0.00	0.00	510.28	0.00	0.00	0.00	924.94	0.00	10048.73	9348.18	0.00	0.00	700.55
223+00	22300.00	50.00	0.00	0.00	501.07	0.00	0.00	0.00	936.44	0.00	10048.73	10471.90	0.00	0.00	-423.17
223+50	22350.00	50.00	0.00	0.00	501.65	0.00	0.00	0.00	928.44	0.00	10048.73	11586.03	0.00	0.00	-1537.30
224+00	22400.00	50.00	0.00	0.00	514.56	0.00	0.00	0.00	940.94	0.00	10048.73	12715.15	0.00	0.00	-2666.42
224+50	22450.00	50.00	0.00	0.00	527.97	0.00	0.00	0.00	965.31	0.00	10048.73	13873.52	0.00	0.00	-3824.79
225+00	22500.00	50.00	0.00	0.00	525.72	0.00	0.00	0.00	975.64	0.00	10048.73	15044.29	0.00	0.00	-4995.56
225+50	22550.00	50.00	0.00	0.00	475.28	0.00	0.00	0.00	926.85	0.00	10048.73	16156.51	0.00	0.00	-6107.78
226+00	22600.00	50.00	0.00	0.00	396.67	0.00	0.00	0.00	807.36	0.00	10048.73	17125.34	0.00	0.00	-7076.61
226+50	22650.00	50.00	0.00	0.00	389.24	0.00	0.00	0.00	727.69	0.00	10048.73	17998.58	0.00	0.00	-7949.85
227+00	22700.00	50.00	0.00	0.00	331.74	0.00	0.00	0.00	667.57	0.00	10048.73	18799.66	0.00	0.00	-8750.94
227+50	22750.00	50.00	0.00	0.00	279.45	0.00	0.00	0.00	565.92	0.00	10048.73	19478.76	0.00	0.00	-9430.04
228+00	22800.00	50.00	0.74	0.00	257.83	0.00	0.69	0.00	497.48	0.00	10049.41	20075.74	0.00	0.00	-10026.33
228+50	22850.00	50.00	11.76	0.00	221.52	0.00	11.57	0.00	443.84	0.00	10060.99	20608.35	0.00	0.00	-10547.37
228+62	22862.49	12.49	27.91	0.00	0.16	0.00	9.18	0.00	51.27	0.00	10070.16	20669.88	0.00	0.00	-10599.72
228+76 BK	22875.79	13.30	0.00	0.00	0.00	0.00	6.87	0.00	0.04	0.00	10077.04	20669.93	0.00	0.00	-10592.89

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
230+65 AH	23064.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230+76	23076.39	11.64	110.81	0.00	1.44	0.00	23.89	0.00	0.31	0.00	23.89	0.37	0.00	0.00	23.51
231+00	23100.00	23.61	53.67	0.00	16.68	0.00	71.91	0.00	7.92	0.00	95.80	9.88	0.00	0.00	85.92
231+50	23150.00	50.00	5.53	0.00	259.46	0.00	54.81	0.00	255.69	0.00	150.61	316.70	0.00	0.00	-166.09
232+00	23200.00	50.00	0.00	0.00	325.78	0.00	5.12	0.00	541.89	0.00	155.74	966.97	0.00	0.00	-811.23
232+50	23250.00	50.00	0.00	0.00	383.39	0.00	0.00	0.00	656.64	0.00	155.74	1754.93	0.00	0.00	-1599.20
233+00	23300.00	50.00	0.00	0.00	428.93	0.00	0.00	0.00	752.15	0.00	155.74	2657.51	0.00	0.00	-2501.78
233+50	23350.00	50.00	0.00	0.00	473.47	0.00	0.00	0.00	835.56	0.00	155.74	3660.18	0.00	0.00	-3504.44
234+00	23400.00	50.00	0.00	0.00	528.23	0.00	0.00	0.00	927.50	0.00	155.74	4773.18	0.00	0.00	-4617.44
234+50	23450.00	50.00	0.00	0.00	552.60	0.00	0.00	0.00	1000.77	0.00	155.74	5974.10	0.00	0.00	-5818.37
235+00	23500.00	50.00	0.00	0.00	554.18	0.00	0.00	0.00	1024.80	0.00	155.74	7203.86	0.00	0.00	-7048.12
235+50	23550.00	50.00	0.15	0.00	547.10	0.00	0.14	0.00	1019.70	0.00	155.87	8427.50	0.00	0.00	-8271.63
236+00	23600.00	50.00	0.28	0.00	587.06	0.00	0.40	0.00	1050.15	0.00	156.27	9687.68	0.00	0.00	-9531.41
236+50	23650.00	50.00	1.58	0.00	573.54	0.00	1.72	0.00	1074.63	0.00	157.99	10977.23	0.00	0.00	-10819.24
237+00	23700.00	50.00	5.87	0.00	562.04	0.00	6.90	0.00	1051.46	0.00	164.89	12238.99	0.00	0.00	-12074.10
237+50	23750.00	50.00	0.00	0.00	558.67	0.00	5.44	0.00	1037.69	0.00	170.33	13484.22	0.00	0.00	-13313.90
238+00	23800.00	50.00	0.00	0.00	558.03	0.00	0.00	0.00	1033.98	0.00	170.33	14725.00	0.00	0.00	-14554.67
238+48	23848.00	48.00	0.00	0.00	533.64	0.00	0.00	0.00	970.37	0.00	170.33	15889.45	0.00	0.00	-15719.12
238+48	23848.00	0.00	0.00	0.00	373.35	0.00	0.00	0.00	0.00	0.00	170.33	15889.45	0.00	0.00	-15719.12
238+48	23848.00	0.00	0.00	0.00	373.35	0.00	0.00	0.00	0.00	0.00	170.33	15889.45	0.00	0.00	-15719.12
238+50	23850.00	2.00	0.00	0.00	372.24	0.00	0.00	0.00	27.61	0.00	170.33	15922.59	0.00	0.00	-15752.26
239+00	23900.00	50.00	0.00	0.00	335.97	0.00	0.00	0.00	655.75	0.00	170.33	16709.49	0.00	0.00	-16539.16
239+50	23950.00	50.00	0.00	0.00	294.59	0.00	0.00	0.00	583.85	0.00	170.33	17410.11	0.00	0.00	-17239.78
240+00	24000.00	50.00	0.00	0.00	248.62	0.00	0.00	0.00	502.97	0.00	170.33	18013.68	0.00	0.00	-17843.35
240+50	24050.00	50.00	0.00	0.00	192.18	0.00	0.00	0.00	408.15	0.00	170.33	18503.45	0.00	0.00	-18333.13
241+00	24100.00	50.00	0.00	0.00	129.87	0.00	0.00	0.00	298.19	0.00	170.33	18861.29	0.00	0.00	-18690.96
241+50	24150.00	50.00	3.17	0.00	78.53	0.00	2.94	0.00	192.96	0.00	173.26	19092.84	0.00	0.00	-18919.58
241+87	24187.00	37.00	10.86	0.00	48.64	0.00	9.61	0.00	87.14	0.00	182.88	19197.40	0.00	0.00	-19014.53
241+87	24187.00	0.00	10.89	0.00	58.71	0.00	0.00	0.00	0.00	0.00	182.88	19197.40	0.00	0.00	-19014.53
242+00	24200.00	13.00	15.02	0.00	48.81	0.00	6.24	0.00	25.88	0.00	189.11	19228.47	0.00	0.00	-19039.35
242+50	24250.00	50.00	30.43	0.00	15.68	0.00	42.08	0.00	59.71	0.00	231.20	19300.12	0.00	0.00	-19068.92
243+00	24300.00	50.00	69.33	0.00	0.86	0.00	92.37	0.00	15.31	0.00	323.57	19318.50	0.00	0.00	-18994.93
243+50	24350.00	50.00	118.95	0.00	0.00	0.00	174.33	0.00	0.80	0.00	497.90	19319.45	0.00	0.00	-18821.55
244+00	24400.00	50.00	164.52	0.00	0.00	0.00	262.47	0.00	0.00	0.00	760.37	19319.45	0.00	0.00	-18559.08

Notes:	
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3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
244+50	24450.00	50.00	210.29	0.00	0.00	0.00	347.05	0.00	0.00	0.00	1107.42	19319.45	0.00	0.00	-18212.04
245+00	24500.00	50.00	259.21	0.00	0.01	0.00	434.72	0.00	0.01	0.00	1542.14	19319.47	0.00	0.00	-17777.32
245+50	24550.00	50.00	298.10	0.00	0.00	0.00	516.03	0.00	0.01	0.00	2058.17	19319.48	0.00	0.00	-17261.31
246+00	24600.00	50.00	333.44	0.00	0.00	0.00	584.76	0.00	0.00	0.00	2642.93	19319.48	0.00	0.00	-16676.55
246+50	24650.00	50.00	368.24	0.00	0.00	0.00	649.70	0.00	0.00	0.00	3292.63	19319.48	0.00	0.00	-16026.84
247+00	24700.00	50.00	381.64	0.00	45.68	0.00	694.33	0.00	42.30	0.00	3986.97	19370.23	0.00	0.00	-15383.27
247+50	24750.00	50.00	385.51	0.00	61.76	0.00	710.32	0.00	99.48	0.00	4697.29	19489.61	0.00	0.00	-14792.32
248+00	24800.00	50.00	386.76	0.00	78.75	0.00	715.06	0.00	130.10	0.00	5412.35	19645.73	0.00	0.00	-14233.38
248+50	24850.00	50.00	376.23	0.00	92.00	0.00	706.47	0.00	158.10	0.00	6118.83	19835.45	0.00	0.00	-13716.63
249+00	24900.00	50.00	354.45	0.00	0.00	0.00	676.56	0.00	85.19	0.00	6795.38	19937.68	0.00	0.00	-13142.29
249+50	24950.00	50.00	342.99	0.00	0.00	0.00	645.78	0.00	0.00	0.00	7441.16	19937.68	0.00	0.00	-12496.52
250+00	25000.00	50.00	332.61	0.00	0.00	0.00	625.56	0.00	0.00	0.00	8066.72	19937.68	0.00	0.00	-11870.96
250+50	25050.00	50.00	322.96	0.00	0.00	0.00	607.01	0.00	0.00	0.00	8673.72	19937.68	0.00	0.00	-11263.95
251+00	25100.00	50.00	311.54	0.00	0.00	0.00	587.50	0.00	0.00	0.00	9261.22	19937.68	0.00	0.00	-10676.45
251+50	25150.00	50.00	300.95	0.00	0.00	0.00	567.12	0.00	0.00	0.00	9828.35	19937.68	0.00	0.00	-10109.33
252+00	25200.00	50.00	293.98	0.00	0.00	0.00	550.86	0.00	0.00	0.00	10379.21	19937.68	0.00	0.00	-9558.47
252+50	25250.00	50.00	287.76	0.00	0.00	0.00	538.65	0.00	0.00	0.00	10917.85	19937.68	0.00	0.00	-9019.82
253+00	25300.00	50.00	284.67	0.00	0.00	0.00	530.03	0.00	0.00	0.00	11447.88	19937.68	0.00	0.00	-8489.79
253+50	25350.00	50.00	274.21	0.00	0.00	0.00	517.48	0.00	0.00	0.00	11965.36	19937.68	0.00	0.00	-7972.31
254+00	25400.00	50.00	267.01	0.00	0.00	0.00	501.13	0.00	0.00	0.00	12466.49	19937.68	0.00	0.00	-7471.18
254+50	25450.00	50.00	263.96	0.00	0.00	0.00	491.64	0.00	0.00	0.00	12958.13	19937.68	0.00	0.00	-6979.54
255+00	25500.00	50.00	266.22	0.00	0.00	0.00	490.91	0.00	0.00	0.00	13449.04	19937.68	0.00	0.00	-6488.64
255+50	25550.00	50.00	290.66	0.00	0.00	0.00	515.63	0.00	0.00	0.00	13964.67	19937.68	0.00	0.00	-5973.01
256+00	25600.00	50.00	295.31	0.00	0.00	0.00	542.56	0.00	0.00	0.00	14507.23	19937.68	0.00	0.00	-5430.44
256+50	25650.00	50.00	308.05	0.00	0.00	0.00	558.67	0.00	0.00	0.00	15065.90	19937.68	0.00	0.00	-4871.78
256+53	25653.00	3.00	308.84	0.00	0.00	0.00	34.27	0.00	0.00	0.00	15100.17	19937.68	0.00	0.00	-4837.50
256+53	25653.00	0.00	163.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15100.17	19937.68	0.00	0.00	-4837.50
257+00	25700.00	47.00	164.52	0.00	0.00	0.00	285.57	0.00	0.00	0.00	15385.74	19937.68	0.00	0.00	-4551.94
257+00	25700.00	0.00	99.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15385.74	19937.68	0.00	0.00	-4551.94
257+50	25750.00	50.00	100.71	0.00	0.00	0.00	185.48	0.00	0.00	0.00	15571.22	19937.68	0.00	0.00	-4366.45
258+00	25800.00	50.00	102.61	0.00	0.00	0.00	188.26	0.00	0.00	0.00	15759.48	19937.68	0.00	0.00	-4178.20
258+50	25850.00	50.00	103.59	0.00	0.00	0.00	190.93	0.00	0.00	0.00	15950.41	19937.68	0.00	0.00	-3987.27
259+00	25900.00	50.00	104.84	0.00	0.00	0.00	192.99	0.00	0.00	0.00	16143.40	19937.68	0.00	0.00	-3794.28

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew129 PLOT SCALE : 1:1

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
259+50	25950.00	50.00	104.06	0.00	0.00	0.00	193.43	0.00	0.00	0.00	16336.82	19937.68	0.00	0.00	-3600.85
260+00	26000.00	50.00	100.76	0.00	0.00	0.00	189.65	0.00	0.00	0.00	16526.47	19937.68	0.00	0.00	-3411.20
260+50	26050.00	50.00	99.37	0.00	0.00	0.00	185.31	0.00	0.00	0.00	16711.78	19937.68	0.00	0.00	-3225.90
261+00	26100.00	50.00	95.97	0.00	0.00	0.00	180.87	0.00	0.00	0.00	16892.65	19937.68	0.00	0.00	-3045.03
261+00	26100.00	0.00	150.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16892.65	19937.68	0.00	0.00	-3045.03
261+50	26150.00	50.00	145.90	0.00	0.00	0.00	274.38	0.00	0.00	0.00	17167.03	19937.68	0.00	0.00	-2770.65
262+00	26200.00	50.00	138.75	0.00	0.00	0.00	263.56	0.00	0.00	0.00	17430.59	19937.68	0.00	0.00	-2507.08
262+50	26250.00	50.00	138.49	0.00	0.00	0.00	256.70	0.00	0.00	0.00	17687.30	19937.68	0.00	0.00	-2250.38
263+00	26300.00	50.00	131.68	0.00	0.00	0.00	250.16	0.00	0.00	0.00	17937.45	19937.68	0.00	0.00	-2000.22
263+50	26350.00	50.00	125.59	0.00	0.00	0.00	238.21	0.00	0.00	0.00	18175.67	19937.68	0.00	0.00	-1762.01
264+00	26400.00	50.00	122.46	0.00	0.00	0.00	229.68	0.00	0.00	0.00	18405.34	19937.68	0.00	0.00	-1532.33
264+31	26431.00	31.00	119.51	0.00	0.08	0.00	138.91	0.00	0.05	0.00	18544.25	19937.73	0.00	0.00	-1393.48
264+31	26431.00	0.00	150.47	0.00	0.48	0.00	0.00	0.00	0.00	0.00	18544.25	19937.73	0.00	0.00	-1393.48
264+50	26450.00	19.00	148.68	0.00	0.38	0.00	105.26	0.00	0.30	0.00	18649.51	19938.10	0.00	0.00	-1288.59
265+00	26500.00	50.00	145.79	0.00	0.14	0.00	272.66	0.00	0.48	0.00	18922.17	19938.67	0.00	0.00	-1016.51
265+50	26550.00	50.00	144.55	0.00	0.20	0.00	268.83	0.00	0.31	0.00	19191.00	19939.05	0.00	0.00	-748.05
266+00	26600.00	50.00	137.87	0.00	0.30	0.00	261.50	0.00	0.46	0.00	19452.50	19939.61	0.00	0.00	-487.11
266+50	26650.00	50.00	130.12	0.00	0.48	0.00	248.14	0.00	0.72	0.00	19700.64	19940.47	0.00	0.00	-239.84
267+00	26700.00	50.00	121.37	0.00	0.61	0.00	232.86	0.00	1.01	0.00	19933.50	19941.68	0.00	0.00	-8.19
267+50	26750.00	50.00	111.85	0.00	0.70	0.00	215.94	0.00	1.21	0.00	20149.44	19943.14	0.00	0.00	206.30
268+00	26800.00	50.00	100.23	0.00	0.92	0.00	196.37	0.00	1.50	0.00	20345.81	19944.94	0.00	0.00	400.87
268+50	26850.00	50.00	89.04	0.00	0.00	0.00	175.25	0.00	0.85	0.00	20521.06	19945.96	0.00	0.00	575.10
269+00	26900.00	50.00	74.97	0.00	0.00	0.00	151.86	0.00	0.00	0.00	20672.92	19945.96	0.00	0.00	726.96
269+00	26900.00	0.00	56.47	0.00	0.04	0.00	0.00	0.00	0.00	0.00	20672.92	19945.96	0.00	0.00	726.96
269+50	26950.00	50.00	44.41	0.00	0.01	0.00	93.41	0.00	0.05	0.00	20766.33	19946.02	0.00	0.00	820.31
270+00	27000.00	50.00	31.48	0.00	0.01	0.00	70.27	0.00	0.02	0.00	20836.60	19946.04	0.00	0.00	890.56
270+50	27050.00	50.00	18.50	0.00	0.32	0.00	46.28	0.00	0.31	0.00	20882.88	19946.41	0.00	0.00	936.47
271+00	27100.00	50.00	9.52	0.00	4.00	0.00	25.94	0.00	4.00	0.00	20908.82	19951.21	0.00	0.00	957.62
271+50	27150.00	50.00	3.68	0.00	14.64	0.00	12.22	0.00	17.26	0.00	20921.05	19971.92	0.00	0.00	949.13
272+00	27200.00	50.00	1.81	0.00	25.17	0.00	5.08	0.00	36.86	0.00	20926.13	20016.15	0.00	0.00	909.98
272+50	27250.00	50.00	2.77	0.00	36.40	0.00	4.24	0.00	57.01	0.00	20930.37	20084.56	0.00	0.00	845.81
273+00	27300.00	50.00	7.61	0.00	47.06	0.00	9.61	0.00	77.28	0.00	20939.98	20177.30	0.00	0.00	762.68
273+22	27322.00	22.00	10.51	0.00	53.21	0.00	7.38	0.00	40.85	0.00	20947.36	20226.32	0.00	0.00	721.05

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew130 PLOT SCALE : 1:1

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
273+22	27322.00	0.00	10.50	0.00	67.44	0.00	0.00	0.00	0.00	0.00	20947.36	20226.32	0.00	0.00	721.05
273+50	27350.00	28.00	14.25	0.00	87.67	0.00	12.83	0.00	80.43	0.00	20960.20	20322.83	0.00	0.00	637.37
274+00	27400.00	50.00	19.36	0.00	112.98	0.00	31.12	0.00	185.79	0.00	20991.32	20545.77	0.00	0.00	445.54
274+50	27450.00	50.00	19.81	0.00	126.45	0.00	36.27	0.00	221.69	0.00	21027.58	20811.81	0.00	0.00	215.78
275+00	27500.00	50.00	17.20	0.00	133.01	0.00	34.27	0.00	240.24	0.00	21061.85	21100.10	0.00	0.00	-38.24
275+50	27550.00	50.00	13.08	0.00	134.55	0.00	28.04	0.00	247.74	0.00	21089.89	21397.38	0.00	0.00	-307.49
276+00	27600.00	50.00	12.08	0.00	137.05	0.00	23.30	0.00	251.48	0.00	21113.19	21699.16	0.00	0.00	-585.98
276+50	27650.00	50.00	11.03	0.00	125.06	0.00	21.40	0.00	242.69	0.00	21134.58	21990.40	0.00	0.00	-855.81
277+00	27700.00	50.00	10.49	0.00	103.01	0.00	19.93	0.00	211.18	0.00	21154.51	22243.81	0.00	0.00	-1089.30
277+50	27750.00	50.00	11.63	0.00	89.08	0.00	20.48	0.00	177.86	0.00	21174.99	22457.24	0.00	0.00	-1282.25
278+00	27800.00	50.00	14.26	0.00	75.27	0.00	23.97	0.00	152.18	0.00	21198.96	22639.85	0.00	0.00	-1440.89
278+50	27850.00	50.00	23.80	0.00	60.29	0.00	35.24	0.00	125.52	0.00	21234.21	22790.47	0.00	0.00	-1556.27
279+00	27900.00	50.00	29.25	0.00	45.52	0.00	49.12	0.00	97.97	0.00	21283.33	22908.04	0.00	0.00	-1624.71
279+50	27950.00	50.00	5.97	0.00	440.05	0.00	32.61	0.00	449.60	0.00	21315.94	23447.56	0.00	0.00	-2131.63
279+69	27968.98	18.98	6.02	0.00	682.51	0.00	4.21	0.00	394.56	0.00	21320.15	23921.03	0.00	0.00	-2600.88
279+75 BK	27974.87	5.89	0.00	0.00	0.00	0.00	0.66	0.00	74.44	0.00	21320.81	24010.37	0.00	0.00	-2689.56
280+49 AH	28049.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280+56	28056.27	7.08	0.00	0.00	947.81	0.00	0.00	0.00	124.27	0.00	0.00	149.12	0.00	0.00	-149.12
281+00	28100.00	43.73	114.36	0.00	21.14	0.00	92.61	0.00	784.67	0.00	92.61	1090.73	0.00	0.00	-998.12
281+50	28150.00	50.00	153.02	0.00	30.39	0.00	247.57	0.00	47.71	0.00	340.18	1147.98	0.00	0.00	-807.80
282+00	28200.00	50.00	143.88	0.00	49.44	0.00	274.91	0.00	73.92	0.00	615.09	1236.68	0.00	0.00	-621.59
282+50	28250.00	50.00	149.41	0.00	75.87	0.00	271.56	0.00	116.03	0.00	886.66	1375.92	0.00	0.00	-489.26
283+00	28300.00	50.00	126.26	0.00	52.85	0.00	255.25	0.00	119.19	0.00	1141.91	1518.94	0.00	0.00	-377.03
283+50	28350.00	50.00	129.36	0.00	9.36	0.00	236.69	0.00	57.60	0.00	1378.59	1588.06	0.00	0.00	-209.47
284+00	28400.00	50.00	317.83	0.00	33.54	0.00	414.06	0.00	39.72	0.00	1792.66	1635.73	0.00	0.00	156.93
284+50	28450.00	50.00	318.40	0.00	86.10	0.00	589.10	0.00	110.78	0.00	2381.76	1768.66	0.00	0.00	613.10
284+94	28493.85	43.85	0.78	0.00	482.46	0.00	259.19	0.00	461.69	0.00	2640.94	2322.69	0.00	0.00	318.25
285+06 BK	28506.37	12.52	0.00	0.00	0.00	0.00	0.18	0.00	111.86	0.00	2641.13	2456.92	0.00	0.00	184.20

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
286+16 AH	28616.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286+31	28631.21	15.05	1.01	0.00	183.31	0.00	0.28	0.00	51.09	0.00	0.28	61.31	0.00	0.00	-61.03
286+50	28650.00	18.79	102.53	0.00	32.20	0.00	36.03	0.00	74.99	0.00	36.31	151.29	0.00	0.00	-114.98
287+00	28700.00	50.00	121.84	0.00	16.59	0.00	207.75	0.00	45.18	0.00	244.06	205.51	0.00	0.00	38.55
287+50	28750.00	50.00	110.79	0.00	3.47	0.00	215.40	0.00	18.57	0.00	459.46	227.79	0.00	0.00	231.66
287+73	28773.00	23.00	104.45	0.00	1.20	0.00	91.68	0.00	1.99	0.00	551.13	230.18	0.00	0.00	320.95
287+73	28773.00	0.00	88.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	551.13	230.18	0.00	0.00	320.95
288+00	28800.00	27.00	83.84	0.00	0.00	0.00	86.28	0.00	0.00	0.00	637.41	230.18	0.00	0.00	407.23
288+50	28850.00	50.00	42.60	0.00	6.64	0.00	117.07	0.00	6.15	0.00	754.48	237.56	0.00	0.00	516.92
289+00	28900.00	50.00	4.71	0.00	177.81	0.00	43.81	0.00	170.79	0.00	798.29	442.50	0.00	0.00	355.79
289+50	28950.00	50.00	0.08	0.00	1087.36	0.00	4.44	0.00	1171.45	0.00	802.72	1848.25	0.00	0.00	-1045.52
290+00	29000.00	50.00	0.00	0.00	1373.66	0.00	0.07	0.00	2278.72	0.00	802.80	4582.71	0.00	0.00	-3779.92
290+39	29039.00	39.00	0.00	0.00	1168.18	0.00	0.00	0.00	1835.77	0.00	802.80	6785.64	0.00	0.00	-5982.84
290+39	29039.00	0.00	0.00	0.00	1484.13	0.00	0.00	0.00	0.00	0.00	802.80	6785.64	0.00	0.00	-5982.84
290+50	29050.00	11.00	0.00	0.00	1376.94	0.00	0.00	0.00	582.81	0.00	802.80	7485.02	0.00	0.00	-6682.22
291+00	29100.00	50.00	0.11	0.00	792.68	0.00	0.10	0.00	2008.91	0.00	802.90	9895.70	0.00	0.00	-9092.80
291+40	29140.19	40.19	0.10	0.00	718.72	0.00	0.16	0.00	1124.87	0.00	803.06	11245.55	0.00	0.00	-10442.50
291+82 BK	29181.69	41.50	0.00	0.00	0.00	0.00	0.08	0.00	552.35	0.00	803.13	11908.37	0.00	0.00	-11105.24

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew132 PLOT SCALE : 1:1

(CONTINUED)

Division 6 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
294+15 AH	29415.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
294+57	29456.57	41.49	0.00	0.00	747.93	0.00	0.00	0.00	574.66	0.00	0.00	689.59	0.00	0.00	-689.59
295+00	29500.00	43.43	0.00	0.00	538.86	0.00	0.00	0.00	1034.91	0.00	0.00	1931.49	0.00	0.00	-1931.49
295+50	29550.00	50.00	0.11	0.00	679.20	0.00	0.10	0.00	1127.83	0.00	0.10	3284.89	0.00	0.00	-3284.78
296+00	29600.00	50.00	0.11	0.00	1430.78	0.00	0.20	0.00	1953.69	0.00	0.31	5629.31	0.00	0.00	-5629.00
296+50	29650.00	50.00	0.00	0.00	1917.93	0.00	0.10	0.00	3100.66	0.00	0.41	9350.10	0.00	0.00	-9349.69
297+00	29700.00	50.00	74.63	0.00	872.25	0.00	69.10	0.00	2583.50	0.00	69.51	12450.30	0.00	0.00	-12380.79
297+50	29750.00	50.00	331.56	0.00	92.33	0.00	376.10	0.00	893.13	0.00	445.61	13522.05	0.00	0.00	-13076.44
298+00	29800.00	50.00	494.10	0.00	3.56	0.00	764.50	0.00	88.79	0.00	1210.11	13628.60	0.00	0.00	-12418.49
298+50	29850.00	50.00	654.25	0.00	2.52	0.00	1063.29	0.00	5.63	0.00	2273.40	13635.35	0.00	0.00	-11361.96
299+00	29900.00	50.00	690.47	0.00	2.50	0.00	1245.11	0.00	4.65	0.00	3518.51	13640.93	0.00	0.00	-10122.42
299+50	29950.00	50.00	745.97	0.00	2.50	0.00	1330.04	0.00	4.63	0.00	4848.55	13646.49	0.00	0.00	-8797.94
300+00	30000.00	50.00	765.16	0.00	2.67	0.00	1399.19	0.00	4.79	0.00	6247.74	13652.23	0.00	0.00	-7404.49
300+50	30050.00	50.00	716.75	0.00	8.45	0.00	1372.14	0.00	10.30	0.00	7619.88	13664.59	0.00	0.00	-6044.71
301+00	30100.00	50.00	691.30	0.00	8.75	0.00	1303.75	0.00	15.93	0.00	8923.63	13683.70	0.00	0.00	-4760.07
301+50	30150.00	50.00	511.41	0.00	12.60	0.00	1113.62	0.00	19.77	0.00	10037.25	13707.42	0.00	0.00	-3670.17
302+00	30200.00	50.00	379.63	0.00	22.26	0.00	825.04	0.00	32.28	0.00	10862.29	13746.15	0.00	0.00	-2883.87
302+50	30250.00	50.00	312.84	0.00	10.16	0.00	641.18	0.00	30.02	0.00	11503.46	13782.18	0.00	0.00	-2278.71
302+68	30268.00	18.00	293.03	0.00	8.33	0.00	201.96	0.00	6.16	0.00	11705.42	13789.57	0.00	0.00	-2084.15
302+68	30268.00	0.00	220.28	0.00	8.42	0.00	0.00	0.00	0.00	0.00	11705.42	13789.57	0.00	0.00	-2084.15
303+00	30300.00	32.00	196.64	0.00	10.15	0.00	247.06	0.00	11.00	0.00	11952.48	13802.78	0.00	0.00	-1850.29
303+50	30350.00	50.00	156.16	0.00	11.49	0.00	326.67	0.00	20.04	0.00	12279.15	13826.82	0.00	0.00	-1547.67
304+00	30400.00	50.00	122.46	0.00	11.80	0.00	257.98	0.00	21.56	0.00	12537.13	13852.70	0.00	0.00	-1315.57
304+45 BK	30445.45	45.45	104.42	0.00	0.80	0.00	190.96	0.00	10.61	0.00	12728.09	13865.43	0.00	0.00	-1137.34
Column totals							48059.60	0.00	60889.25	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 IH 94 EB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.00 Note 1	1.2	1.30 Note 4	0.80 Note 5	Note 6
180+00 AH	18000.00	0.00	820.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180+50	18050.00	50.00	1229.33	0.00	0.00	0.00	1898.30	0.00	0.00	0.00	1898.30	0.00	0.00	0.00	1898.30
181+00	18100.00	50.00	639.09	0.00	0.01	0.00	1730.02	0.00	0.01	0.00	3628.31	0.01	0.00	0.00	3628.30
181+50 BK	18150.00	50.00	261.76	0.00	0.00	0.00	834.12	0.00	0.01	0.00	4462.44	0.02	0.00	0.00	4462.41
184+50 AH	18450.00	0.00	0.00	0.00	54.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185+00	18500.00	50.00	45.62	0.00	0.00	0.00	42.24	0.00	50.87	0.00	42.24	61.04	0.00	0.00	-18.80
185+50 BK	18550.00	50.00	28.09	0.00	0.80	0.00	68.25	0.00	0.74	0.00	110.49	61.93	0.00	0.00	48.56
		Column totals					4572.93	0.00	51.63	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
88+00 AH	8800.00	0.00	123.61	0.00	13.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88+50	8850.00	50.00	115.67	0.00	14.66	0.00	221.56	0.00	26.05	0.00	221.56	31.26	0.00	0.00	190.30
89+00	8900.00	50.00	109.81	0.00	14.66	0.00	208.78	0.00	27.15	0.00	430.33	63.83	0.00	0.00	366.50
89+00	8900.00	0.00	138.17	0.00	14.66	0.00	0.00	0.00	0.00	0.00	430.33	63.83	0.00	0.00	366.50
89+50	8950.00	50.00	126.88	0.00	14.66	0.00	245.42	0.00	27.15	0.00	675.75	96.41	0.00	0.00	579.34
90+00	9000.00	50.00	117.42	0.00	14.67	0.00	226.20	0.00	27.16	0.00	901.95	129.00	0.00	0.00	772.95
90+50	9050.00	50.00	107.68	0.00	14.67	0.00	208.43	0.00	27.17	0.00	1110.38	161.60	0.00	0.00	948.78
91+00	9100.00	50.00	98.82	0.00	14.67	0.00	191.20	0.00	27.17	0.00	1301.58	194.20	0.00	0.00	1107.38
91+00	9100.00	0.00	129.35	0.00	14.67	0.00	0.00	0.00	0.00	0.00	1301.58	194.20	0.00	0.00	1107.38
91+50	9150.00	50.00	114.69	0.00	14.67	0.00	225.96	0.00	27.17	0.00	1527.55	226.80	0.00	0.00	1300.75
92+00	9200.00	50.00	96.11	0.00	14.67	0.00	195.19	0.00	27.17	0.00	1722.73	259.40	0.00	0.00	1463.33
92+50	9250.00	50.00	78.98	0.00	14.67	0.00	162.12	0.00	27.17	0.00	1884.85	292.00	0.00	0.00	1592.85
93+00	9300.00	50.00	60.81	0.00	14.66	0.00	129.44	0.00	27.16	0.00	2014.29	324.59	0.00	0.00	1689.70
93+50	9350.00	50.00	42.21	0.00	14.67	0.00	95.39	0.00	27.16	0.00	2109.68	357.18	0.00	0.00	1752.50
94+00	9400.00	50.00	23.88	0.00	15.21	0.00	61.19	0.00	27.67	0.00	2170.87	390.38	0.00	0.00	1780.49
94+00	9400.00	0.00	40.20	0.00	15.23	0.00	0.00	0.00	0.00	0.00	2170.87	390.38	0.00	0.00	1780.49
94+50	9450.00	50.00	16.76	0.00	26.24	0.00	52.74	0.00	38.40	0.00	2223.61	436.46	0.00	0.00	1787.16
95+00	9500.00	50.00	3.18	0.00	46.28	0.00	18.46	0.00	67.15	0.00	2242.07	517.03	0.00	0.00	1725.04
95+50	9550.00	50.00	0.12	0.00	81.47	0.00	3.06	0.00	118.29	0.00	2245.13	658.98	0.00	0.00	1586.15
96+00	9600.00	50.00	0.00	0.00	103.85	0.00	0.11	0.00	171.59	0.00	2245.24	864.89	0.00	0.00	1380.35
96+50	9650.00	50.00	0.00	0.00	117.85	0.00	0.00	0.00	205.28	0.00	2245.24	1111.22	0.00	0.00	1134.02
97+00	9700.00	50.00	0.00	0.00	132.85	0.00	0.00	0.00	232.13	0.00	2245.24	1389.78	0.00	0.00	855.46
97+50	9750.00	50.00	0.00	0.00	150.76	0.00	0.00	0.00	262.60	0.00	2245.24	1704.90	0.00	0.00	540.34
98+00	9800.00	50.00	0.00	0.00	156.13	0.00	0.00	0.00	284.16	0.00	2245.24	2045.89	0.00	0.00	199.35
98+50	9850.00	50.00	0.00	0.00	148.32	0.00	0.00	0.00	281.90	0.00	2245.24	2384.17	0.00	0.00	-138.93
99+00	9900.00	50.00	0.00	0.00	261.17	0.00	0.00	0.00	379.16	0.00	2245.24	2839.16	0.00	0.00	-593.91
99+34	9934.32	34.32	0.00	0.00	301.02	0.00	0.00	0.00	357.30	0.00	2245.24	3267.91	0.00	0.00	-1022.67
99+40	9939.64	5.32	0.00	0.00	261.28	0.00	0.00	0.00	55.40	0.00	2245.24	3334.40	0.00	0.00	-1089.15
99+79 BK	9979.03	39.39	0.00	0.00	0.00	0.00	0.00	0.00	190.59	0.00	2245.24	3563.10	0.00	0.00	-1317.86

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew136 PLOT SCALE : 1:1

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
101+37 AH	10137.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+11	10210.81	73.69	0.00	0.00	195.04	0.00	0.00	0.00	266.16	0.00	0.00	319.39	0.00	0.00	-319.39
102+16	10216.14	5.33	0.00	0.00	257.21	0.00	0.00	0.00	44.64	0.00	0.00	372.96	0.00	0.00	-372.96
102+50	10250.00	33.86	0.00	0.00	196.44	0.00	0.00	0.00	284.46	0.00	0.00	714.30	0.00	0.00	-714.30
103+00	10300.00	50.00	0.00	0.00	204.74	0.00	0.00	0.00	371.46	0.00	0.00	1160.06	0.00	0.00	-1160.06
103+50	10350.00	50.00	0.00	0.00	234.25	0.00	0.00	0.00	406.47	0.00	0.00	1647.82	0.00	0.00	-1647.82
104+00	10400.00	50.00	0.00	0.00	261.92	0.00	0.00	0.00	459.42	0.00	0.00	2199.12	0.00	0.00	-2199.12
104+50	10450.00	50.00	0.00	0.00	248.80	0.00	0.00	0.00	472.89	0.00	0.00	2766.59	0.00	0.00	-2766.59
105+00	10500.00	50.00	0.00	0.00	210.69	0.00	0.00	0.00	425.45	0.00	0.00	3277.14	0.00	0.00	-3277.14
105+50	10550.00	50.00	0.00	0.00	162.84	0.00	0.00	0.00	345.86	0.00	0.00	3692.17	0.00	0.00	-3692.17
106+00	10600.00	50.00	0.00	0.00	124.26	0.00	0.00	0.00	265.83	0.00	0.00	4011.17	0.00	0.00	-4011.17
106+50	10650.00	50.00	0.03	0.00	78.00	0.00	0.03	0.00	187.28	0.00	0.03	4235.90	0.00	0.00	-4235.87
107+00	10700.00	50.00	11.69	0.00	34.88	0.00	10.85	0.00	104.52	0.00	10.88	4361.32	0.00	0.00	-4350.44
107+50	10750.00	50.00	41.33	0.00	10.40	0.00	49.09	0.00	41.93	0.00	59.97	4411.64	0.00	0.00	-4351.66
108+00	10800.00	50.00	72.35	0.00	9.23	0.00	105.26	0.00	18.18	0.00	165.23	4433.45	0.00	0.00	-4268.21
108+50	10850.00	50.00	88.96	0.00	9.22	0.00	149.36	0.00	17.08	0.00	314.59	4453.95	0.00	0.00	-4139.35
109+00	10900.00	50.00	92.87	0.00	9.23	0.00	168.36	0.00	17.08	0.00	482.95	4474.45	0.00	0.00	-3991.49
109+50	10950.00	50.00	85.09	0.00	9.23	0.00	164.78	0.00	17.09	0.00	647.73	4494.96	0.00	0.00	-3847.23
110+00	11000.00	50.00	50.14	0.00	9.23	0.00	125.21	0.00	17.09	0.00	772.94	4515.47	0.00	0.00	-3742.52
110+50	11050.00	50.00	9.16	0.00	35.49	0.00	54.91	0.00	41.41	0.00	827.85	4565.16	0.00	0.00	-3737.31
111+00	11100.00	50.00	0.00	0.00	86.03	0.00	8.48	0.00	112.52	0.00	836.33	4700.18	0.00	0.00	-3863.85
111+45	11144.67	44.67	0.00	0.00	674.12	0.00	0.00	0.00	628.85	0.00	836.33	5454.80	0.00	0.00	-4618.47
111+77 BK	11177.19	32.52	0.00	0.00	0.00	0.00	0.00	0.00	405.93	0.00	836.33	5941.92	0.00	0.00	-5105.59

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
112+77 AH	11276.67	0.00	0.00	0.00	1428.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113+00	11300.00	23.33	0.01	0.00	744.52	0.00	0.00	0.00	938.72	0.00	0.00	1126.46	0.00	0.00	-1126.46
113+50	11350.00	50.00	0.37	0.00	479.36	0.00	0.35	0.00	1133.22	0.00	0.36	2486.33	0.00	0.00	-2485.97
114+00	11400.00	50.00	1.41	0.00	562.66	0.00	1.65	0.00	964.83	0.00	2.00	3644.13	0.00	0.00	-3642.12
114+50	11450.00	50.00	0.79	0.00	634.67	0.00	2.04	0.00	1108.64	0.00	4.04	4974.49	0.00	0.00	-4970.45
115+00	11500.00	50.00	3.46	0.00	722.12	0.00	3.94	0.00	1256.29	0.00	7.98	6482.04	0.00	0.00	-6474.06
115+50	11550.00	50.00	4.82	0.00	818.84	0.00	7.67	0.00	1426.81	0.00	15.64	8194.22	0.00	0.00	-8178.57
116+00	11600.00	50.00	11.43	0.00	907.86	0.00	15.05	0.00	1598.80	0.00	30.69	10112.77	0.00	0.00	-10082.08
116+50	11650.00	50.00	15.85	0.00	982.57	0.00	25.26	0.00	1750.40	0.00	55.95	12213.25	0.00	0.00	-12157.30
117+00	11700.00	50.00	13.42	0.00	1042.72	0.00	27.10	0.00	1875.27	0.00	83.05	14463.57	0.00	0.00	-14380.52
117+50	11750.00	50.00	3.21	0.00	1092.66	0.00	15.40	0.00	1977.20	0.00	98.45	16836.22	0.00	0.00	-16737.77
118+00	11800.00	50.00	0.28	0.00	1134.15	0.00	3.23	0.00	2061.86	0.00	101.68	19310.45	0.00	0.00	-19208.77
118+50	11850.00	50.00	0.00	0.00	1164.30	0.00	0.26	0.00	2128.19	0.00	101.94	21864.28	0.00	0.00	-21762.34
119+00	11900.00	50.00	0.00	0.00	1168.70	0.00	0.00	0.00	2160.19	0.00	101.94	24456.50	0.00	0.00	-24354.57
119+50	11950.00	50.00	0.00	0.00	1170.27	0.00	0.00	0.00	2165.71	0.00	101.94	27055.36	0.00	0.00	-26953.42
120+00	12000.00	50.00	0.00	0.00	1141.22	0.00	0.00	0.00	2140.27	0.00	101.94	29623.68	0.00	0.00	-29521.74
120+50	12050.00	50.00	0.00	0.00	1086.78	0.00	0.00	0.00	2062.96	0.00	101.94	32099.24	0.00	0.00	-31997.30
121+00	12100.00	50.00	0.44	0.00	1017.21	0.00	0.41	0.00	1948.14	0.00	102.35	34437.00	0.00	0.00	-34334.66
121+20	12119.70	19.70	2.40	0.00	992.50	0.00	1.04	0.00	733.17	0.00	103.38	35316.81	0.00	0.00	-35213.43
121+50	12150.00	30.30	6.02	0.00	953.43	0.00	4.72	0.00	1091.88	0.00	108.11	36627.07	0.00	0.00	-36518.96
122+00	12200.00	50.00	6.41	0.00	887.51	0.00	11.51	0.00	1704.57	0.00	119.62	38672.56	0.00	0.00	-38552.94
122+50	12250.00	50.00	4.93	0.00	818.79	0.00	10.50	0.00	1579.91	0.00	130.12	40568.45	0.00	0.00	-40438.33
123+00	12300.00	50.00	3.59	0.00	756.16	0.00	7.89	0.00	1458.29	0.00	138.01	42318.39	0.00	0.00	-42180.39
123+50	12350.00	50.00	1.24	0.00	682.28	0.00	4.47	0.00	1331.89	0.00	142.48	43916.66	0.00	0.00	-43774.18
124+00	12400.00	50.00	0.00	0.00	597.76	0.00	1.15	0.00	1185.22	0.00	143.63	45338.93	0.00	0.00	-45195.30
124+50	12450.00	50.00	4.13	0.00	517.68	0.00	3.82	0.00	1032.81	0.00	147.45	46578.30	0.00	0.00	-46430.85
125+00	12500.00	50.00	5.28	0.00	481.47	0.00	8.71	0.00	925.14	0.00	156.16	47688.47	0.00	0.00	-47532.31
125+09	12508.93	8.93	6.73	0.00	496.81	0.00	1.99	0.00	161.78	0.00	158.15	47882.61	0.00	0.00	-47724.46
126+67 BK	12666.98	158.05	0.00	0.00	0.00	0.00	19.70	0.00	1454.09	0.00	177.85	49627.51	0.00	0.00	-49449.67

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
127+96 AH	12796.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129+84	12984.08	187.60	0.00	0.00	228.45	0.00	0.00	0.00	793.65	0.00	0.00	952.38	0.00	0.00	-952.38
130+00	13000.00	15.92	0.00	0.00	247.68	0.00	0.00	0.00	140.37	0.00	0.00	1120.83	0.00	0.00	-1120.83
130+50	13050.00	50.00	0.00	0.00	323.95	0.00	0.00	0.00	529.29	0.00	0.00	1755.97	0.00	0.00	-1755.97
131+00	13100.00	50.00	0.00	0.00	407.53	0.00	0.00	0.00	677.30	0.00	0.00	2568.73	0.00	0.00	-2568.73
131+50	13150.00	50.00	0.00	0.00	495.28	0.00	0.00	0.00	835.94	0.00	0.00	3571.85	0.00	0.00	-3571.85
131+68	13168.18	18.18	0.00	0.00	262.88	0.00	0.00	0.00	255.25	0.00	0.00	3878.15	0.00	0.00	-3878.15
131+68	13168.18	0.00	0.00	0.00	262.90	0.00	0.00	0.00	0.00	0.00	0.00	3878.15	0.00	0.00	-3878.15
132+00	13200.00	31.82	0.00	0.00	289.46	0.00	0.00	0.00	325.48	0.00	0.00	4268.73	0.00	0.00	-4268.73
132+50	13250.00	50.00	0.00	0.00	326.26	0.00	0.00	0.00	570.11	0.00	0.00	4952.86	0.00	0.00	-4952.86
133+00	13300.00	50.00	0.00	0.00	363.37	0.00	0.00	0.00	638.55	0.00	0.00	5719.11	0.00	0.00	-5719.11
133+50	13350.00	50.00	0.00	0.00	387.38	0.00	0.00	0.00	695.14	0.00	0.00	6553.28	0.00	0.00	-6553.28
134+00	13400.00	50.00	0.00	0.00	398.05	0.00	0.00	0.00	727.25	0.00	0.00	7425.98	0.00	0.00	-7425.98
134+50	13450.00	50.00	0.00	0.00	386.20	0.00	0.00	0.00	726.16	0.00	0.00	8297.37	0.00	0.00	-8297.37
135+00	13500.00	50.00	0.00	0.00	355.52	0.00	0.00	0.00	686.78	0.00	0.00	9121.50	0.00	0.00	-9121.50
135+50	13550.00	50.00	0.00	0.00	307.41	0.00	0.00	0.00	613.82	0.00	0.00	9858.09	0.00	0.00	-9858.09
135+87	13586.79	36.79	0.00	0.00	268.10	0.00	0.00	0.00	392.09	0.00	0.00	10328.60	0.00	0.00	-10328.60
135+87	13586.79	0.00	0.00	0.00	417.61	0.00	0.00	0.00	0.00	0.00	0.00	10328.60	0.00	0.00	-10328.60
136+00	13600.00	13.21	0.00	0.00	332.23	0.00	0.00	0.00	183.43	0.00	0.00	10548.72	0.00	0.00	-10548.72
136+50	13650.00	50.00	0.00	0.00	262.51	0.00	0.00	0.00	550.69	0.00	0.00	11209.55	0.00	0.00	-11209.55
137+00	13700.00	50.00	0.00	0.00	196.36	0.00	0.00	0.00	424.88	0.00	0.00	11719.40	0.00	0.00	-11719.40
137+50	13750.00	50.00	0.00	0.00	141.51	0.00	0.00	0.00	312.84	0.00	0.00	12094.81	0.00	0.00	-12094.81
138+00	13800.00	50.00	0.00	0.00	84.61	0.00	0.00	0.00	209.37	0.00	0.00	12346.06	0.00	0.00	-12346.06

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew139 PLOT SCALE : 1:1

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
138+50	13850.00	50.00	0.00	0.00	39.79	0.00	0.00	0.00	115.19	0.00	0.00	12484.28	0.00	0.00	-12484.28
139+00	13900.00	50.00	15.37	0.00	19.03	0.00	14.23	0.00	54.46	0.00	14.23	12549.63	0.00	0.00	-12535.40
139+50	13950.00	50.00	34.81	0.00	9.26	0.00	46.46	0.00	26.19	0.00	60.69	12581.07	0.00	0.00	-12520.37
140+00	14000.00	50.00	56.44	0.00	11.32	0.00	84.49	0.00	19.06	0.00	145.19	12603.93	0.00	0.00	-12458.75
140+50	14050.00	50.00	69.71	0.00	18.76	0.00	116.81	0.00	27.85	0.00	261.99	12637.36	0.00	0.00	-12375.37
141+00	14100.00	50.00	77.80	0.00	33.16	0.00	136.58	0.00	48.07	0.00	398.57	12695.05	0.00	0.00	-12296.47
141+50	14150.00	50.00	85.95	0.00	49.98	0.00	151.62	0.00	76.98	0.00	550.19	12787.42	0.00	0.00	-12237.23
142+00	14200.00	50.00	91.66	0.00	81.20	0.00	164.45	0.00	121.46	0.00	714.65	12933.18	0.00	0.00	-12218.53
142+50	14250.00	50.00	96.91	0.00	125.83	0.00	174.60	0.00	191.69	0.00	889.25	13163.21	0.00	0.00	-12273.96
143+00	14300.00	50.00	102.68	0.00	181.08	0.00	184.81	0.00	284.18	0.00	1074.06	13504.22	0.00	0.00	-12430.17
143+50	14350.00	50.00	111.18	0.00	231.43	0.00	198.02	0.00	381.95	0.00	1272.07	13962.57	0.00	0.00	-12690.49
144+00	14400.00	50.00	117.32	0.00	274.91	0.00	211.57	0.00	468.83	0.00	1483.65	14525.17	0.00	0.00	-13041.52
144+50	14450.00	50.00	124.00	0.00	20.27	0.00	223.44	0.00	273.31	0.00	1707.09	14853.15	0.00	0.00	-13146.05
145+00	14500.00	50.00	128.28	0.00	18.32	0.00	233.59	0.00	35.73	0.00	1940.69	14896.02	0.00	0.00	-12955.34
145+00	14500.00	0.00	163.18	0.00	24.53	0.00	0.00	0.00	0.00	0.00	1940.69	14896.02	0.00	0.00	-12955.34
145+50	14550.00	50.00	164.53	0.00	18.07	0.00	303.44	0.00	39.44	0.00	2244.12	14943.36	0.00	0.00	-12699.24
146+00	14600.00	50.00	171.01	0.00	11.39	0.00	310.69	0.00	27.28	0.00	2554.81	14976.09	0.00	0.00	-12421.28
146+50	14650.00	50.00	168.63	0.00	4.44	0.00	314.48	0.00	14.66	0.00	2869.29	14993.68	0.00	0.00	-12124.39
147+00	14700.00	50.00	212.34	0.00	5.49	0.00	352.75	0.00	9.19	0.00	3222.04	15004.71	0.00	0.00	-11782.68
147+50	14750.00	50.00	249.76	0.00	13.41	0.00	427.87	0.00	17.50	0.00	3649.91	15025.71	0.00	0.00	-11375.80
147+66	14766.00	16.00	239.93	0.00	16.63	0.00	145.09	0.00	8.90	0.00	3795.00	15036.39	0.00	0.00	-11241.39
147+66	14766.00	0.00	239.98	0.00	29.68	0.00	0.00	0.00	0.00	0.00	3795.00	15036.39	0.00	0.00	-11241.39
148+00	14800.00	34.00	279.29	0.00	292.44	0.00	326.95	0.00	202.82	0.00	4121.95	15279.77	0.00	0.00	-11157.82
148+50	14850.00	50.00	256.70	0.00	131.57	0.00	496.29	0.00	392.60	0.00	4618.24	15750.89	0.00	0.00	-11132.66
148+65	14865.00	15.00	228.81	0.00	40.16	0.00	134.86	0.00	47.70	0.00	4753.10	15808.14	0.00	0.00	-11055.04

Notes:	
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2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
148+65	14865.00	0.00	183.74	0.00	39.95	0.00	0.00	0.00	0.00	0.00	4753.10	15808.14	0.00	0.00	-11055.04
149+00	14900.00	35.00	153.15	0.00	6.98	0.00	218.35	0.00	30.42	0.00	4971.45	15844.64	0.00	0.00	-10873.19
149+50	14950.00	50.00	150.75	0.00	4.16	0.00	281.39	0.00	10.31	0.00	5252.84	15857.02	0.00	0.00	-10604.17
150+00	15000.00	50.00	151.76	0.00	0.53	0.00	280.10	0.00	4.34	0.00	5532.94	15862.23	0.00	0.00	-10329.28
150+09	15008.73	8.73	153.00	0.00	0.30	0.00	49.27	0.00	0.13	0.00	5582.21	15862.39	0.00	0.00	-10280.17
150+50	15050.00	50.00	153.65	0.00	0.17	0.00	282.97	0.00	0.62	0.00	5815.91	15862.97	0.00	0.00	-10047.06
151+00	15100.00	50.00	157.48	0.00	0.00	0.00	288.08	0.00	0.16	0.00	6104.00	15863.16	0.00	0.00	-9759.16
151+50	15150.00	50.00	157.64	0.00	0.00	0.00	291.78	0.00	0.00	0.00	6395.78	15863.16	0.00	0.00	-9467.38
152+00	15200.00	50.00	146.56	0.00	0.50	0.00	281.67	0.00	0.46	0.00	6677.44	15863.71	0.00	0.00	-9186.27
152+50	15250.00	50.00	136.11	0.00	1.92	0.00	261.73	0.00	2.24	0.00	6939.17	15866.40	0.00	0.00	-8927.23
153+00	15300.00	50.00	127.38	0.00	2.99	0.00	243.97	0.00	4.55	0.00	7183.15	15871.86	0.00	0.00	-8688.71
153+50	15350.00	50.00	127.45	0.00	4.01	0.00	235.95	0.00	6.48	0.00	7419.10	15879.64	0.00	0.00	-8460.54
154+00	15400.00	50.00	141.96	0.00	5.35	0.00	249.45	0.00	8.67	0.00	7668.55	15890.04	0.00	0.00	-8221.48
154+50	15450.00	50.00	165.31	0.00	0.00	0.00	284.51	0.00	4.95	0.00	7953.06	15895.98	0.00	0.00	-7942.92
154+74	15474.19	24.19	174.59	0.00	0.00	0.00	152.26	0.00	0.00	0.00	8105.32	15895.98	0.00	0.00	-7790.66
154+74	15474.19	0.00	174.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8105.32	15895.98	0.00	0.00	-7790.66
155+00	15500.00	25.81	223.96	0.00	0.00	0.00	190.50	0.00	0.00	0.00	8295.82	15895.98	0.00	0.00	-7600.16
155+50	15550.00	50.00	251.24	0.00	0.00	0.00	440.00	0.00	0.00	0.00	8735.82	15895.98	0.00	0.00	-7160.16
156+00	15600.00	50.00	275.39	0.00	0.00	0.00	487.62	0.00	0.00	0.00	9223.44	15895.98	0.00	0.00	-6672.54
156+50	15650.00	50.00	311.03	0.00	0.00	0.00	542.98	0.00	0.00	0.00	9766.42	15895.98	0.00	0.00	-6129.56
157+00	15700.00	50.00	332.47	0.00	0.07	0.00	595.83	0.00	0.06	0.00	10362.26	15896.06	0.00	0.00	-5533.80
157+50	15750.00	50.00	344.19	0.00	1.82	0.00	626.54	0.00	1.75	0.00	10988.79	15898.16	0.00	0.00	-4909.36
158+00	15800.00	50.00	377.00	0.00	2.94	0.00	667.77	0.00	4.41	0.00	11656.56	15903.45	0.00	0.00	-4246.88
158+50	15850.00	50.00	400.02	0.00	5.25	0.00	719.46	0.00	7.58	0.00	12376.03	15912.55	0.00	0.00	-3536.52
159+00	15900.00	50.00	439.52	0.00	5.74	0.00	777.35	0.00	10.18	0.00	13153.38	15924.76	0.00	0.00	-2771.38
159+26	15925.84	25.84	477.47	0.00	2.29	0.00	438.80	0.00	3.84	0.00	13592.17	15929.37	0.00	0.00	-2337.20
159+26	15925.84	0.00	233.15	0.00	2.29	0.00	0.00	0.00	0.00	0.00	13592.17	15929.37	0.00	0.00	-2337.20
159+50	15950.00	24.16	255.38	0.00	2.35	0.00	218.57	0.00	2.08	0.00	13810.75	15931.86	0.00	0.00	-2121.11
160+00	16000.00	50.00	266.34	0.00	2.48	0.00	483.07	0.00	4.47	0.00	14293.82	15937.23	0.00	0.00	-1643.41
160+50	16050.00	50.00	261.69	0.00	2.61	0.00	488.92	0.00	4.71	0.00	14782.74	15942.88	0.00	0.00	-1160.15
161+00	16100.00	50.00	274.49	0.00	2.88	0.00	496.46	0.00	5.08	0.00	15279.20	15948.98	0.00	0.00	-669.78

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

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Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
161+50	16150.00	50.00	264.08	0.00	0.77	0.00	498.68	0.00	3.38	0.00	15777.88	15953.04	0.00	0.00	-175.16
162+00	16200.00	50.00	244.13	0.00	0.13	0.00	470.56	0.00	0.83	0.00	16248.44	15954.04	0.00	0.00	294.40
162+50	16250.00	50.00	229.57	0.00	0.14	0.00	438.61	0.00	0.25	0.00	16687.05	15954.34	0.00	0.00	732.71
163+00	16300.00	50.00	225.25	0.00	0.01	0.00	421.13	0.00	0.14	0.00	17108.18	15954.50	0.00	0.00	1153.68
163+44	16343.92	43.92	221.67	0.00	0.00	0.00	363.49	0.00	0.01	0.00	17471.68	15954.51	0.00	0.00	1517.16
163+44	16343.92	0.00	296.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17471.68	15954.51	0.00	0.00	1517.16
163+50	16350.00	6.08	298.74	0.00	0.00	0.00	67.05	0.00	0.00	0.00	17538.73	15954.51	0.00	0.00	1584.21
164+00	16400.00	50.00	295.29	0.00	4.06	0.00	550.03	0.00	3.76	0.00	18088.75	15959.03	0.00	0.00	2129.73
164+50	16450.00	50.00	283.36	0.00	6.99	0.00	535.79	0.00	10.23	0.00	18624.54	15971.30	0.00	0.00	2653.24
165+00	16500.00	50.00	276.79	0.00	7.76	0.00	518.66	0.00	13.66	0.00	19143.20	15987.69	0.00	0.00	3155.51
165+50	16550.00	50.00	276.15	0.00	7.84	0.00	511.98	0.00	14.44	0.00	19655.18	16005.03	0.00	0.00	3650.16
166+00	16600.00	50.00	261.85	0.00	9.69	0.00	498.15	0.00	16.23	0.00	20153.33	16024.50	0.00	0.00	4128.83
166+50	16650.00	50.00	241.42	0.00	9.59	0.00	465.99	0.00	17.85	0.00	20619.32	16045.93	0.00	0.00	4573.39
167+00	16700.00	50.00	223.78	0.00	8.37	0.00	430.74	0.00	16.63	0.00	21050.06	16065.88	0.00	0.00	4984.18
167+50	16750.00	50.00	212.10	0.00	8.54	0.00	403.59	0.00	15.66	0.00	21453.65	16084.67	0.00	0.00	5368.98
168+00	16800.00	50.00	201.88	0.00	8.96	0.00	383.31	0.00	16.20	0.00	21836.97	16104.11	0.00	0.00	5732.85
168+50	16850.00	50.00	194.11	0.00	9.35	0.00	366.66	0.00	16.95	0.00	22203.63	16124.46	0.00	0.00	6079.17
169+00	16900.00	50.00	201.97	0.00	9.55	0.00	366.74	0.00	17.50	0.00	22570.37	16145.46	0.00	0.00	6424.91
169+50	16950.00	50.00	200.41	0.00	9.58	0.00	372.57	0.00	17.71	0.00	22942.94	16166.71	0.00	0.00	6776.23
170+00	17000.00	50.00	226.08	0.00	10.08	0.00	394.90	0.00	18.20	0.00	23337.84	16188.56	0.00	0.00	7149.28
170+50	17050.00	50.00	245.46	0.00	11.25	0.00	436.61	0.00	19.75	0.00	23774.45	16212.26	0.00	0.00	7562.19
171+00	17100.00	50.00	244.19	0.00	11.40	0.00	453.38	0.00	20.97	0.00	24227.83	16237.43	0.00	0.00	7990.40
171+50	17150.00	50.00	242.29	0.00	9.48	0.00	450.44	0.00	19.33	0.00	24678.27	16260.63	0.00	0.00	8417.65
172+00	17200.00	50.00	245.31	0.00	9.25	0.00	451.48	0.00	17.34	0.00	25129.75	16281.44	0.00	0.00	8848.32
172+50	17250.00	50.00	233.10	0.00	9.20	0.00	442.97	0.00	17.08	0.00	25572.73	16301.94	0.00	0.00	9270.79
173+00	17300.00	50.00	243.96	0.00	9.15	0.00	441.72	0.00	16.99	0.00	26014.45	16322.33	0.00	0.00	9692.12
173+50	17350.00	50.00	254.22	0.00	9.10	0.00	461.28	0.00	16.90	0.00	26475.73	16342.60	0.00	0.00	10133.12
174+00	17400.00	50.00	269.23	0.00	9.05	0.00	484.68	0.00	16.81	0.00	26960.40	16362.77	0.00	0.00	10597.63
174+50	17450.00	50.00	294.39	0.00	9.00	0.00	521.87	0.00	16.71	0.00	27482.27	16382.83	0.00	0.00	11099.45
175+00	17500.00	50.00	330.05	0.00	8.95	0.00	578.19	0.00	16.62	0.00	28060.46	16402.77	0.00	0.00	11657.69
175+10	17510.46	10.46	334.55	0.00	20.14	0.00	128.74	0.00	5.63	0.00	28189.19	16409.53	0.00	0.00	11779.66

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew142 PLOT SCALE : 1:1

(CONTINUED)

Division 6 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
175+10	17510.46	0.00	241.33	0.00	8.94	0.00	0.00	0.00	0.00	0.00	28189.19	16409.53	0.00	0.00	11779.66
175+50	17550.00	39.54	258.75	0.00	8.94	0.00	366.17	0.00	13.09	0.00	28555.36	16425.24	0.00	0.00	12130.12
176+00	17600.00	50.00	285.55	0.00	8.85	0.00	503.98	0.00	16.47	0.00	29059.35	16445.01	0.00	0.00	12614.34
176+50	17650.00	50.00	317.60	0.00	8.80	0.00	558.47	0.00	16.34	0.00	29617.82	16464.62	0.00	0.00	13153.20
177+00	17700.00	50.00	352.83	0.00	8.75	0.00	620.77	0.00	16.25	0.00	30238.59	16484.12	0.00	0.00	13754.47
177+50	17750.00	50.00	383.07	0.00	8.80	0.00	681.39	0.00	16.25	0.00	30919.97	16503.62	0.00	0.00	14416.35
177+84	17783.50	33.50	396.42	0.00	8.66	0.00	483.57	0.00	10.83	0.00	31403.55	16516.62	0.00	0.00	14886.93
177+84	17783.50	0.00	618.73	0.00	9.21	0.00	0.00	0.00	0.00	0.00	31403.55	16516.62	0.00	0.00	14886.93
178+00	17800.00	16.50	648.80	0.00	8.82	0.00	387.30	0.00	5.51	0.00	31790.85	16523.23	0.00	0.00	15267.62
178+50	17850.00	50.00	654.91	0.00	8.60	0.00	1207.14	0.00	16.13	0.00	32997.99	16542.58	0.00	0.00	16455.40
179+00	17900.00	50.00	658.38	0.00	11.98	0.00	1216.01	0.00	19.06	0.00	34214.00	16565.45	0.00	0.00	17648.55
179+50	17950.00	50.00	673.17	0.00	8.51	0.00	1232.92	0.00	18.97	0.00	35446.91	16588.22	0.00	0.00	18858.70
180+00	18000.00	50.00	691.51	0.00	8.46	0.00	1263.59	0.00	15.71	0.00	36710.51	16607.07	0.00	0.00	20103.43
180+50	18050.00	50.00	695.81	0.00	17.27	0.00	1284.56	0.00	23.82	0.00	37995.06	16635.66	0.00	0.00	21359.40
181+00	18100.00	50.00	774.29	0.00	8.38	0.00	1361.20	0.00	23.75	0.00	39356.26	16664.16	0.00	0.00	22692.10
181+50	18150.00	50.00	759.23	0.00	23.28	0.00	1419.93	0.00	29.31	0.00	40776.19	16699.34	0.00	0.00	24076.85
182+00	18200.00	50.00	946.64	0.00	51.64	0.00	1579.51	0.00	69.37	0.00	42355.70	16782.58	0.00	0.00	25573.12
182+50	18250.00	50.00	814.85	0.00	59.36	0.00	1631.01	0.00	102.78	0.00	43986.71	16905.92	0.00	0.00	27080.79
183+00	18300.00	50.00	537.28	0.00	73.93	0.00	1251.97	0.00	123.42	0.00	45238.68	17054.02	0.00	0.00	28184.66
183+50	18350.00	50.00	470.05	0.00	134.19	0.00	932.71	0.00	192.70	0.00	46171.39	17285.26	0.00	0.00	28886.13
184+00	18400.00	50.00	457.54	0.00	184.45	0.00	858.88	0.00	295.04	0.00	47030.27	17639.31	0.00	0.00	29390.97
184+50	18450.00	50.00	431.06	0.00	273.96	0.00	822.78	0.00	424.45	0.00	47853.05	18148.65	0.00	0.00	29704.40
185+00 BK	18500.00	50.00	406.68	0.00	635.17	0.00	775.69	0.00	841.79	0.00	48628.74	19158.80	0.00	0.00	29469.94
						Column totals	51937.43	0.00	65242.91	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP SW

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
559+26 AH	55925.84	0.00	243.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
559+50	55950.00	24.16	256.23	0.00	0.00	0.00	223.50	0.00	0.00	0.00	223.50	0.00	0.00	0.00	223.50
560+00	56000.00	50.00	280.63	0.00	0.00	0.00	497.09	0.00	0.00	0.00	720.59	0.00	0.00	0.00	720.59
560+50	56050.00	50.00	300.97	0.00	0.00	0.00	538.52	0.00	0.00	0.00	1259.11	0.00	0.00	0.00	1259.11
561+00	56100.00	50.00	316.31	0.00	0.00	0.00	571.56	0.00	0.00	0.00	1830.66	0.00	0.00	0.00	1830.66
561+50	56150.00	50.00	306.18	0.00	0.00	0.00	576.38	0.00	0.00	0.00	2407.04	0.00	0.00	0.00	2407.04
561+61	56160.95	10.95	301.78	0.00	0.00	0.00	123.28	0.00	0.00	0.00	2530.32	0.00	0.00	0.00	2530.32
561+61	56160.95	0.00	210.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2530.32	0.00	0.00	0.00	2530.32
562+00	56200.00	39.05	214.80	0.00	0.00	0.00	307.25	0.00	0.00	0.00	2837.58	0.00	0.00	0.00	2837.58
562+50	56250.00	50.00	213.73	0.00	0.00	0.00	396.79	0.00	0.00	0.00	3234.36	0.00	0.00	0.00	3234.36
563+00	56300.00	50.00	206.44	0.00	0.00	0.00	389.05	0.00	0.00	0.00	3623.41	0.00	0.00	0.00	3623.41
563+44	56343.92	43.92	301.78	0.00	0.00	0.00	413.35	0.00	0.00	0.00	4036.76	0.00	0.00	0.00	4036.76
563+44	56343.92	0.00	119.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4036.76	0.00	0.00	0.00	4036.76
563+50	56350.00	6.08	117.30	0.00	0.00	0.00	26.68	0.00	0.00	0.00	4063.44	0.00	0.00	0.00	4063.44
563+93	56392.79	42.79	103.39	0.00	0.00	0.00	174.88	0.00	0.00	0.00	4238.31	0.00	0.00	0.00	4238.31
563+93	56392.79	0.00	204.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4238.31	0.00	0.00	0.00	4238.31
564+00	56400.00	7.21	200.03	0.00	0.00	0.00	53.97	0.00	0.00	0.00	4292.28	0.00	0.00	0.00	4292.28
564+50	56450.00	50.00	192.59	0.00	0.00	0.00	363.54	0.00	0.00	0.00	4655.82	0.00	0.00	0.00	4655.82
564+81 BK	56481.21	31.21	180.84	0.00	0.00	0.00	215.83	0.00	0.00	0.00	4871.65	0.00	0.00	0.00	4871.65
		Column totals					4871.65	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP CS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
556+53 AH	55653.41	0.00	145.21	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
557+00	55700.00	46.59	172.34	0.00	0.00	0.00	273.98	0.00	0.14	0.00	273.98	0.17	0.00	0.00	273.81
557+50	55750.00	50.00	175.69	0.00	0.00	0.00	322.25	0.00	0.00	0.00	596.23	0.17	0.00	0.00	596.06
558+00	55800.00	50.00	182.14	0.00	0.00	0.00	331.32	0.00	0.00	0.00	927.55	0.17	0.00	0.00	927.38
558+50	55850.00	50.00	191.36	0.00	0.00	0.00	345.83	0.00	0.00	0.00	1273.38	0.17	0.00	0.00	1273.22
559+00	55900.00	50.00	198.00	0.00	0.00	0.00	360.52	0.00	0.00	0.00	1633.90	0.17	0.00	0.00	1633.74
559+50	55950.00	50.00	207.61	0.00	0.00	0.00	375.56	0.00	0.00	0.00	2009.47	0.17	0.00	0.00	2009.30
560+00	56000.00	50.00	204.00	0.00	0.00	0.00	381.12	0.00	0.00	0.00	2390.59	0.17	0.00	0.00	2390.42
560+50	56050.00	50.00	195.23	0.00	0.00	0.00	369.66	0.00	0.00	0.00	2760.24	0.17	0.00	0.00	2760.08
561+00	56100.00	50.00	185.41	0.00	0.00	0.00	352.44	0.00	0.00	0.00	3112.69	0.17	0.00	0.00	3112.52
561+50	56150.00	50.00	162.97	0.00	0.00	0.00	322.57	0.00	0.00	0.00	3435.26	0.17	0.00	0.00	3435.10
562+00	56200.00	50.00	143.54	0.00	0.00	0.00	283.81	0.00	0.00	0.00	3719.07	0.17	0.00	0.00	3718.90
562+50	56250.00	50.00	134.33	0.00	0.00	0.00	257.29	0.00	0.00	0.00	3976.35	0.17	0.00	0.00	3976.19
563+00	56300.00	50.00	132.41	0.00	0.00	0.00	246.98	0.00	0.00	0.00	4223.34	0.17	0.00	0.00	4223.17
563+50	56350.00	50.00	131.19	0.00	0.00	0.00	244.07	0.00	0.00	0.00	4467.41	0.17	0.00	0.00	4467.24
564+00	56400.00	50.00	125.22	0.00	0.00	0.00	237.42	0.00	0.00	0.00	4704.83	0.17	0.00	0.00	4704.66
564+31	56431.00	31.00	121.68	0.00	39.60	0.00	141.74	0.00	22.73	0.00	4846.57	27.45	0.00	0.00	4819.12
564+31	56431.00	0.00	90.65	0.00	39.42	0.00	0.00	0.00	0.00	0.00	4846.57	27.45	0.00	0.00	4819.12
564+50	56450.00	19.00	89.99	0.00	35.07	0.00	63.56	0.00	26.21	0.00	4910.12	58.90	0.00	0.00	4851.23
565+00	56500.00	50.00	97.32	0.00	23.04	0.00	173.44	0.00	53.81	0.00	5083.56	123.46	0.00	0.00	4960.10
565+50	56550.00	50.00	86.50	0.00	11.99	0.00	170.20	0.00	32.44	0.00	5253.76	162.39	0.00	0.00	5091.38
566+00	56600.00	50.00	82.44	0.00	1.99	0.00	156.43	0.00	12.94	0.00	5410.19	177.92	0.00	0.00	5232.27
566+50	56650.00	50.00	81.52	0.00	0.08	0.00	151.81	0.00	1.92	0.00	5562.00	180.22	0.00	0.00	5381.78
567+00	56700.00	50.00	81.15	0.00	0.92	0.00	150.62	0.00	0.93	0.00	5712.62	181.33	0.00	0.00	5531.29
567+50	56750.00	50.00	70.73	0.00	3.26	0.00	140.63	0.00	3.87	0.00	5853.25	185.97	0.00	0.00	5667.28
568+00	56800.00	50.00	58.00	0.00	2.98	0.00	119.19	0.00	5.78	0.00	5972.45	192.91	0.00	0.00	5779.54
568+50	56850.00	50.00	42.79	0.00	7.77	0.00	93.32	0.00	9.95	0.00	6065.77	204.85	0.00	0.00	5860.92
569+00	56900.00	50.00	33.24	0.00	17.64	0.00	70.40	0.00	23.53	0.00	6136.17	233.09	0.00	0.00	5903.08

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP CS

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
569+00	56900.00	0.00	21.53	0.00	17.82	0.00	0.00	0.00	0.00	0.00	6136.17	233.09	0.00	0.00	5903.08
569+50	56950.00	50.00	11.07	0.00	33.01	0.00	30.19	0.00	47.06	0.00	6166.36	289.56	0.00	0.00	5876.79
570+00	57000.00	50.00	4.66	0.00	42.60	0.00	14.56	0.00	70.01	0.00	6180.92	373.57	0.00	0.00	5807.35
570+50	57050.00	50.00	0.00	0.00	53.93	0.00	4.31	0.00	89.38	0.00	6185.24	480.83	0.00	0.00	5704.41
571+00	57100.00	50.00	0.00	0.00	76.84	0.00	0.00	0.00	121.08	0.00	6185.24	626.13	0.00	0.00	5559.11
571+00	57100.00	0.00	0.00	0.00	67.49	0.00	0.00	0.00	0.00	0.00	6185.24	626.13	0.00	0.00	5559.11
571+50	57150.00	50.00	0.00	0.00	87.48	0.00	0.00	0.00	143.49	0.00	6185.24	798.32	0.00	0.00	5386.92
572+00	57200.00	50.00	0.00	0.00	63.38	0.00	0.00	0.00	139.69	0.00	6185.24	965.94	0.00	0.00	5219.29
572+02 BK	57202.35	2.35	0.00	0.00	63.94	0.00	0.00	0.00	5.54	0.00	6185.24	972.59	0.00	0.00	5212.65
						Column totals	6185.24	0.00	810.49	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill Note 4	Cumulative Vol (CY) Reduced EBS In Fill Note 5	Mass Ordinate Note 6
											1.00	1.2	1.30	0.80	
514+22 AH	51421.56	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.20	0.00	0.00	0.00
514+50	51450.00	28.44	11.42	0.00	0.00	0.00	10.74	0.00	0.00	0.00	11.74	1.20	0.00	0.00	10.74
515+00	51500.00	50.00	14.98	0.00	0.00	0.00	24.44	0.00	0.00	0.00	36.19	1.20	0.00	0.00	35.19
515+50	51550.00	50.00	17.11	0.00	0.00	0.00	29.71	0.00	0.00	0.00	65.90	1.20	0.00	0.00	64.90
516+00	51600.00	50.00	18.96	0.00	0.00	0.00	33.40	0.00	0.00	0.00	99.30	1.20	0.00	0.00	98.30
516+05	51605.36	5.36	15.13	0.00	0.00	0.00	3.38	0.00	0.00	0.00	102.68	1.20	0.00	0.00	101.68
516+05	51605.36	0.00	48.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.68	1.20	0.00	0.00	101.68
516+50	51650.00	44.64	45.63	0.00	0.00	0.00	77.70	0.00	0.00	0.00	180.38	1.20	0.00	0.00	179.38
517+00	51700.00	50.00	58.38	0.00	0.00	0.00	96.31	0.00	0.00	0.00	276.69	1.20	0.00	0.00	275.69
517+50	51750.00	50.00	76.09	0.00	0.00	0.00	124.51	0.00	0.00	0.00	401.20	1.20	0.00	0.00	400.20
518+00	51800.00	50.00	94.94	0.00	0.02	0.00	158.36	0.00	0.02	0.00	559.56	1.22	0.00	0.00	558.54
518+50	51850.00	50.00	102.78	0.00	0.00	0.00	183.07	0.00	0.02	0.00	742.63	1.24	0.00	0.00	741.59
519+00	51900.00	50.00	83.99	0.00	0.00	0.00	172.94	0.00	0.00	0.00	915.57	1.24	0.00	0.00	914.52
519+21	51921.00	21.00	67.60	0.00	0.00	0.00	58.95	0.00	0.00	0.00	974.52	1.24	0.00	0.00	973.47
519+21	51921.00	0.00	89.82	0.00	0.02	0.00	0.00	0.00	0.00	0.00	974.52	1.24	0.00	0.00	973.47
519+47	51946.56	25.56	65.47	0.00	0.00	0.00	73.50	0.00	0.01	0.00	1048.02	1.26	0.00	0.00	1046.97
519+47	51946.56	0.00	38.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1048.02	1.26	0.00	0.00	1046.97
519+50	51950.00	3.44	40.32	0.00	0.00	0.00	5.04	0.00	0.00	0.00	1053.07	1.26	0.00	0.00	1052.01
520+00	52000.00	50.00	0.00	0.00	50.79	0.00	37.33	0.00	47.03	0.00	1090.40	57.69	0.00	0.00	1032.91
520+50	52050.00	50.00	0.00	0.00	147.17	0.00	0.00	0.00	183.30	0.00	1090.40	277.64	0.00	0.00	812.96
521+00	52100.00	50.00	0.00	0.00	254.06	0.00	0.00	0.00	371.51	0.00	1090.40	723.46	0.00	0.00	367.14
521+50	52150.00	50.00	0.00	0.00	391.54	0.00	0.00	0.00	597.78	0.00	1090.40	1440.79	0.00	0.00	-350.19
521+93	52192.92	42.92	0.00	0.00	601.84	0.00	0.00	0.00	789.55	0.00	1090.40	2388.25	0.00	0.00	-1297.65
521+93	52192.92	0.00	0.00	0.00	138.12	0.00	0.00	0.00	0.00	0.00	1090.40	2388.25	0.00	0.00	-1297.65
522+00	52200.00	7.08	0.00	0.00	143.52	0.00	0.00	0.00	36.93	0.00	1090.40	2432.56	0.00	0.00	-1341.96
522+50	52250.00	50.00	0.00	0.00	181.86	0.00	0.00	0.00	301.28	0.00	1090.40	2794.10	0.00	0.00	-1703.50
523+00	52300.00	50.00	0.00	0.00	217.87	0.00	0.00	0.00	370.12	0.00	1090.40	3238.24	0.00	0.00	-2147.64
523+50	52350.00	50.00	0.00	0.00	499.48	0.00	0.00	0.00	664.21	0.00	1090.40	4035.30	0.00	0.00	-2944.70
523+58	52357.73	7.73	0.00	0.00	495.24	0.00	0.00	0.00	142.39	0.00	1090.40	4206.17	0.00	0.00	-3115.57

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
523+58	52357.73	0.00	0.00	0.00	326.95	0.00	0.00	0.00	0.00	0.00	1090.40	4206.17	0.00	0.00	-3115.57
524+00	52400.00	42.27	0.00	0.00	420.88	0.00	0.00	0.00	585.38	0.00	1090.40	4908.63	0.00	0.00	-3818.03
524+50	52450.00	50.00	0.00	0.00	390.54	0.00	0.00	0.00	751.31	0.00	1090.40	5810.21	0.00	0.00	-4719.61
525+00	52500.00	50.00	0.00	0.00	376.49	0.00	0.00	0.00	710.21	0.00	1090.40	6662.46	0.00	0.00	-5571.86
525+25	52524.50	24.50	0.00	0.00	1573.67	0.00	0.00	0.00	884.79	0.00	1090.40	7724.22	0.00	0.00	-6633.62
525+25	52524.50	0.00	0.00	0.00	1658.59	0.00	0.00	0.00	0.00	0.00	1090.40	7724.22	0.00	0.00	-6633.62
525+50	52550.00	25.50	0.00	0.00	1823.35	0.00	0.00	0.00	1644.25	0.00	1090.40	9697.32	0.00	0.00	-8606.72
526+00	52600.00	50.00	0.37	0.00	2850.73	0.00	0.34	0.00	4327.85	0.00	1090.74	14890.74	0.00	0.00	-13799.80
526+50	52650.00	50.00	0.00	0.00	2440.74	0.00	0.34	0.00	4899.51	0.00	1091.09	20770.15	0.00	0.00	-19678.86
526+74	52674.00	24.00	0.00	0.00	3641.37	0.00	0.00	0.00	2703.16	0.00	1091.09	24013.94	0.00	0.00	-22922.66
526+74	52674.00	0.00	0.00	0.00	2400.31	0.00	0.00	0.00	0.00	0.00	1091.09	24013.94	0.00	0.00	-22922.66
527+00 BK	52700.00	26.00	0.00	0.00	2272.95	0.00	0.00	0.00	2250.09	0.00	1091.09	26714.05	0.00	0.00	-25622.76
531+50 AH	53150.00	0.00	66.64	0.00	1151.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532+00	53200.00	50.00	40.40	0.00	470.19	0.00	99.11	0.00	1501.81	0.00	99.11	1802.17	0.00	0.00	-1703.06
532+50	53250.00	50.00	62.91	0.00	509.86	0.00	95.66	0.00	907.45	0.00	194.77	2891.11	0.00	0.00	-2696.34
533+00	53300.00	50.00	145.97	0.00	506.87	0.00	193.41	0.00	941.42	0.00	388.18	4020.81	0.00	0.00	-3632.64
533+34	53333.63	33.63	211.33	0.00	716.97	0.00	222.52	0.00	762.18	0.00	610.69	4935.43	0.00	0.00	-4324.73
533+34	53333.63	0.00	211.68	0.00	701.08	0.00	0.00	0.00	0.00	0.00	610.69	4935.43	0.00	0.00	-4324.73
533+50	53350.00	16.37	292.15	0.00	478.96	0.00	152.74	0.00	357.73	0.00	763.43	5364.70	0.00	0.00	-4601.27

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew148 PLOT SCALE : 1:1

(CONTINUED)

Division 6 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
534+00	53400.00	50.00	390.60	0.00	0.00	0.00	632.18	0.00	443.48	0.00	1395.61	5896.88	0.00	0.00	-4501.27
534+50	53450.00	50.00	398.86	0.00	484.93	0.00	730.98	0.00	449.01	0.00	2126.59	6435.69	0.00	0.00	-4309.10
535+00	53500.00	50.00	146.59	0.00	564.20	0.00	505.05	0.00	971.42	0.00	2631.63	7601.39	0.00	0.00	-4969.76
535+50	53550.00	50.00	207.67	0.00	309.68	0.00	328.02	0.00	809.15	0.00	2959.65	8572.37	0.00	0.00	-5612.71
536+00	53600.00	50.00	250.30	0.00	53.43	0.00	424.05	0.00	336.21	0.00	3383.70	8975.82	0.00	0.00	-5592.12
536+50	53650.00	50.00	283.88	0.00	0.00	0.00	494.61	0.00	49.47	0.00	3878.31	9035.19	0.00	0.00	-5156.88
537+00	53700.00	50.00	352.10	0.00	0.00	0.00	588.87	0.00	0.00	0.00	4467.18	9035.19	0.00	0.00	-4568.01
537+50	53750.00	50.00	388.87	0.00	0.00	0.00	686.08	0.00	0.00	0.00	5153.26	9035.19	0.00	0.00	-3881.93
538+00	53800.00	50.00	409.99	0.00	0.00	0.00	739.69	0.00	0.00	0.00	5892.95	9035.19	0.00	0.00	-3142.24
538+50	53850.00	50.00	438.42	0.00	0.00	0.00	785.56	0.00	0.00	0.00	6678.51	9035.19	0.00	0.00	-2356.68
539+00	53900.00	50.00	455.63	0.00	0.00	0.00	827.82	0.00	0.00	0.00	7506.34	9035.19	0.00	0.00	-1528.85
539+50	53950.00	50.00	481.64	0.00	0.00	0.00	867.84	0.00	0.00	0.00	8374.18	9035.19	0.00	0.00	-661.01
540+00	54000.00	50.00	494.61	0.00	0.00	0.00	903.94	0.00	0.00	0.00	9278.11	9035.19	0.00	0.00	242.93
540+50	54050.00	50.00	492.02	0.00	0.00	0.00	913.55	0.00	0.00	0.00	10191.66	9035.19	0.00	0.00	1156.47
541+00	54100.00	50.00	478.61	0.00	0.00	0.00	898.73	0.00	0.00	0.00	11090.39	9035.19	0.00	0.00	2055.20
541+00	54100.00	0.00	214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11090.39	9035.19	0.00	0.00	2055.20
541+50	54150.00	50.00	252.40	0.00	0.00	0.00	432.29	0.00	0.00	0.00	11522.68	9035.19	0.00	0.00	2487.49
542+00 BK	54200.00	50.00	423.64	0.00	0.00	0.00	625.96	0.00	0.00	0.00	12148.64	9035.19	0.00	0.00	3113.45
Column totals							13238.73	0.00	29790.03	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP SE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged / Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged / Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
581+32 AH	58131.98	0.00	27.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
581+50	58150.00	18.02	0.74	0.00	0.59	0.00	9.32	0.00	0.20	0.00	9.32	0.24	0.00	0.00	9.08
582+00	58200.00	50.00	2.76	0.00	170.37	0.00	3.24	0.00	158.30	0.00	12.56	190.19	0.00	0.00	-177.63
582+50	58250.00	50.00	6.85	0.00	296.11	0.00	8.90	0.00	431.93	0.00	21.46	708.50	0.00	0.00	-687.04
583+00	58300.00	50.00	16.10	0.00	432.24	0.00	21.25	0.00	674.40	0.00	42.71	1517.78	0.00	0.00	-1475.07
583+13 BK	58313.00	13.00	22.34	0.00	219.67	0.00	9.25	0.00	156.94	0.00	30.71	1706.11	0.00	0.00	-1654.15
587+07 AH	58707.00	0.00	0.00	0.00	313.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587+50	58750.00	43.00	0.00	0.00	456.07	0.00	0.00	0.00	612.41	0.00	0.00	734.89	0.00	0.00	-734.89
588+00	58800.00	50.00	0.00	0.00	456.94	0.00	0.00	0.00	845.38	0.00	0.00	1749.34	0.00	0.00	-1749.34
588+50	58850.00	50.00	0.00	0.00	455.37	0.00	0.00	0.00	844.73	0.00	0.00	2763.02	0.00	0.00	-2763.02
589+00	58900.00	50.00	0.00	0.00	449.17	0.00	0.00	0.00	837.54	0.00	0.00	3768.07	0.00	0.00	-3768.07
589+50	58950.00	50.00	0.00	0.00	436.91	0.00	0.00	0.00	820.44	0.00	0.00	4752.60	0.00	0.00	-4752.60
590+00	59000.00	50.00	1.99	0.00	1627.43	0.00	1.84	0.00	1911.43	0.00	1.84	7046.31	0.00	0.00	-7044.47
590+50	59050.00	50.00	0.08	0.00	1598.88	0.00	1.92	0.00	2987.32	0.00	3.76	10631.10	0.00	0.00	-10627.34
591+00	59100.00	50.00	0.21	0.00	1786.64	0.00	0.27	0.00	3134.74	0.00	4.03	14392.79	0.00	0.00	-14388.76
591+50	59150.00	50.00	0.57	0.00	1863.53	0.00	0.72	0.00	3379.79	0.00	4.75	18448.53	0.00	0.00	-18443.78
592+00	59200.00	50.00	0.37	0.00	2447.64	0.00	0.87	0.00	3991.82	0.00	5.62	23238.72	0.00	0.00	-23233.10
592+50	59250.00	50.00	0.00	0.00	2484.80	0.00	0.34	0.00	4567.07	0.00	5.96	28719.21	0.00	0.00	-28713.25
593+00	59300.00	50.00	0.00	0.00	1533.47	0.00	0.00	0.00	3720.62	0.00	5.96	33183.96	0.00	0.00	-33177.99
593+50	59350.00	50.00	16.75	0.00	596.73	0.00	15.51	0.00	1972.41	0.00	21.47	35550.84	0.00	0.00	-35529.37
594+00	59400.00	50.00	59.05	0.00	482.92	0.00	70.19	0.00	999.68	0.00	91.66	36750.46	0.00	0.00	-36658.80
594+05 BK	59404.72	4.72	63.77	0.00	340.57	0.00	10.74	0.00	71.98	0.00	102.39	36836.83	0.00	0.00	-36734.44
Column totals							154.36	0.00	32119.12	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP ES

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
572+01 AH	57200.93	0.00	0.00	0.00	63.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572+50	57250.00	49.07	0.00	0.00	73.13	0.00	0.00	0.00	123.85	0.00	0.00	148.62	0.00	0.00	-148.62
573+00	57300.00	50.00	0.00	0.00	89.26	0.00	0.00	0.00	150.36	0.00	0.00	329.05	0.00	0.00	-329.05
573+50	57350.00	50.00	0.00	0.00	109.12	0.00	0.00	0.00	183.69	0.00	0.00	549.47	0.00	0.00	-549.47
574+00	57400.00	50.00	0.00	0.00	142.11	0.00	0.00	0.00	232.62	0.00	0.00	828.62	0.00	0.00	-828.62
574+50	57450.00	50.00	0.00	0.00	173.30	0.00	0.00	0.00	292.05	0.00	0.00	1179.07	0.00	0.00	-1179.07
575+00	57500.00	50.00	34.01	0.00	146.40	0.00	31.49	0.00	296.02	0.00	31.49	1534.29	0.00	0.00	-1502.80
575+50	57550.00	50.00	88.00	0.00	0.00	0.00	112.97	0.00	135.56	0.00	144.46	1696.96	0.00	0.00	-1552.50
576+00	57600.00	50.00	95.00	0.00	0.00	0.00	169.44	0.00	0.00	0.00	313.91	1696.96	0.00	0.00	-1383.05
576+50	57650.00	50.00	100.00	0.00	0.00	0.00	180.56	0.00	0.00	0.00	494.46	1696.96	0.00	0.00	-1202.50
577+00	57700.00	50.00	78.00	0.00	0.00	0.00	164.81	0.00	0.00	0.00	659.28	1696.96	0.00	0.00	-1037.68
577+50	57750.00	50.00	84.00	0.00	0.00	0.00	150.00	0.00	0.00	0.00	809.28	1696.96	0.00	0.00	-887.68
578+00	57800.00	50.00	82.00	0.00	0.00	0.00	153.70	0.00	0.00	0.00	962.98	1696.96	0.00	0.00	-733.98
578+50	57850.00	50.00	83.00	0.00	0.00	0.00	152.78	0.00	0.00	0.00	1115.76	1696.96	0.00	0.00	-581.20
579+00	57900.00	50.00	89.00	0.00	0.00	0.00	159.26	0.00	0.00	0.00	1275.02	1696.96	0.00	0.00	-421.94
579+43 BK	57943.00	43.00	94.00	0.00	0.00	0.00	145.72	0.00	0.00	0.00	1420.74	1696.96	0.00	0.00	-276.22
						Column totals	1420.74	0.00	1414.13	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP ES

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
604+12 AH	60412.00	0.00	42.96	0.00	278.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604+50	60450.00	38.00	34.96	0.00	1252.96	0.00	54.83	0.00	1077.55	0.00	54.83	1293.06	0.00	0.00	-1238.23
605+00	60500.00	50.00	0.00	0.00	990.81	0.00	32.37	0.00	2077.56	0.00	87.20	3786.14	0.00	0.00	-3698.94
605+50	60550.00	50.00	0.00	0.00	926.15	0.00	0.00	0.00	1774.96	0.00	87.20	5916.10	0.00	0.00	-5828.89
605+56	60556.00	6.00	0.00	0.00	1060.82	0.00	0.00	0.00	220.77	0.00	87.20	6181.03	0.00	0.00	-6093.82
605+56	60556.00	0.00	0.00	0.00	1079.82	0.00	0.00	0.00	0.00	0.00	87.20	6181.03	0.00	0.00	-6093.82
606+00	60600.00	44.00	0.00	0.00	850.09	0.00	0.00	0.00	1572.52	0.00	87.20	8068.05	0.00	0.00	-7980.85
606+50	60650.00	50.00	0.00	0.00	589.67	0.00	0.00	0.00	1333.11	0.00	87.20	9667.78	0.00	0.00	-9580.58
607+00	60700.00	50.00	0.00	0.00	433.19	0.00	0.00	0.00	947.09	0.00	87.20	10804.29	0.00	0.00	-10717.09
607+16 BK	60716.20	16.20	0.00	0.00	388.74	0.00	0.00	0.00	246.58	0.00	87.20	11100.19	0.00	0.00	-11012.99
		Column totals					87.20	0.00	9250.16	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP LD

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Ordinate
							Note 1	Note 2	Note 3		1.00 Note 1	1.2	1.30 Note 4	0.80 Note 5	Note 6
711+00 AH	71100.00	0.00	70.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
711+50	71150.00	50.00	131.64	0.00	0.00	0.00	187.50	0.00	0.00	0.00	187.50	0.00	0.00	0.00	187.50
712+00	71200.00	50.00	190.22	0.00	0.00	0.00	298.02	0.00	0.00	0.00	485.52	0.00	0.00	0.00	485.52
712+50	71250.00	50.00	214.80	0.00	0.00	0.00	375.02	0.00	0.00	0.00	860.54	0.00	0.00	0.00	860.54
712+62 BK	71262.48	12.48	212.35	0.00	0.00	0.00	98.72	0.00	0.00	0.00	959.26	0.00	0.00	0.00	959.26
		Column totals					959.26	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP GC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
738+46 AH	73846.04	0.00	0.00	0.00	196.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
738+50	73850.00	3.96	0.00	0.00	197.99	0.00	0.00	0.00	28.91	0.00	0.00	34.69	0.00	0.00	-34.69
739+00	73900.00	50.00	0.00	0.00	210.65	0.00	0.00	0.00	378.37	0.00	0.00	488.74	0.00	0.00	-488.74
739+50	73950.00	50.00	0.00	0.00	194.47	0.00	0.00	0.00	375.11	0.00	0.00	938.87	0.00	0.00	-938.87
740+00	74000.00	50.00	0.00	0.00	195.01	0.00	0.00	0.00	360.63	0.00	0.00	1371.62	0.00	0.00	-1371.62
740+50	74050.00	50.00	0.00	0.00	123.96	0.00	0.00	0.00	295.34	0.00	0.00	1726.04	0.00	0.00	-1726.04
741+00	74100.00	50.00	3.64	0.00	76.01	0.00	3.37	0.00	185.16	0.00	3.37	1948.22	0.00	0.00	-1944.85
741+50	74150.00	50.00	26.71	0.00	29.48	0.00	28.10	0.00	97.68	0.00	31.47	2065.44	0.00	0.00	-2033.96
741+80	74180.00	30.00	53.23	0.00	18.81	0.00	44.41	0.00	26.83	0.00	75.88	2097.63	0.00	0.00	-2021.75
741+80	74180.00	0.00	47.06	0.00	24.23	0.00	0.00	0.00	0.00	0.00	75.88	2097.63	0.00	0.00	-2021.75
742+00	74200.00	20.00	75.13	0.00	13.31	0.00	45.26	0.00	13.90	0.00	121.14	2114.31	0.00	0.00	-1993.17
742+50	74250.00	50.00	148.14	0.00	9.16	0.00	206.73	0.00	20.81	0.00	327.87	2139.28	0.00	0.00	-1811.41
743+00	74300.00	50.00	181.58	0.00	11.26	0.00	305.30	0.00	18.91	0.00	633.17	2161.97	0.00	0.00	-1528.80
743+50	74350.00	50.00	211.05	0.00	15.52	0.00	363.55	0.00	24.80	0.00	996.71	2191.72	0.00	0.00	-1195.01
744+00	74400.00	50.00	255.64	0.00	15.95	0.00	432.12	0.00	29.14	0.00	1428.83	2226.69	0.00	0.00	-797.86
744+50	74450.00	50.00	292.40	0.00	12.15	0.00	507.44	0.00	26.02	0.00	1936.28	2257.91	0.00	0.00	-321.64
745+00	74500.00	50.00	302.57	0.00	18.68	0.00	550.90	0.00	28.55	0.00	2487.18	2292.17	0.00	0.00	195.01
745+50	74550.00	50.00	308.82	0.00	23.68	0.00	566.10	0.00	39.22	0.00	3053.28	2339.24	0.00	0.00	714.04
746+00	74600.00	50.00	321.31	0.00	25.64	0.00	583.45	0.00	45.67	0.00	3636.73	2394.04	0.00	0.00	1242.70
746+50	74650.00	50.00	311.66	0.00	20.82	0.00	586.08	0.00	43.02	0.00	4222.81	2445.66	0.00	0.00	1777.16
747+00	74700.00	50.00	319.04	0.00	9.53	0.00	583.98	0.00	28.10	0.00	4806.80	2479.38	0.00	0.00	2327.42
747+50	74750.00	50.00	336.39	0.00	4.80	0.00	606.88	0.00	13.27	0.00	5413.68	2495.30	0.00	0.00	2918.37
748+00	74800.00	50.00	315.14	0.00	2.80	0.00	603.27	0.00	7.04	0.00	6016.94	2503.75	0.00	0.00	3513.20
748+50	74850.00	50.00	293.57	0.00	7.18	0.00	563.62	0.00	9.24	0.00	6580.56	2514.84	0.00	0.00	4065.73
749+00	74900.00	50.00	286.80	0.00	6.81	0.00	537.38	0.00	12.95	0.00	7117.94	2530.38	0.00	0.00	4587.56
749+50	74950.00	50.00	241.49	0.00	9.40	0.00	489.16	0.00	15.01	0.00	7607.10	2548.39	0.00	0.00	5058.71
750+00	75000.00	50.00	184.92	0.00	10.27	0.00	394.82	0.00	18.21	0.00	8001.93	2570.25	0.00	0.00	5431.68
750+50	75050.00	50.00	131.37	0.00	10.87	0.00	292.86	0.00	19.57	0.00	8294.79	2593.74	0.00	0.00	5701.05
751+00	75100.00	50.00	131.57	0.00	10.56	0.00	243.46	0.00	19.84	0.00	8538.25	2617.55	0.00	0.00	5920.70
751+50	75150.00	50.00	141.10	0.00	9.94	0.00	252.47	0.00	18.98	0.00	8790.72	2640.32	0.00	0.00	6150.40
751+71 BK	75171.29	21.29	152.02	0.00	5.21	0.00	115.57	0.00	5.97	0.00	8906.29	2647.49	0.00	0.00	6258.80
						Column totals	8906.29	0.00	2206.24	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew153 PLOT SCALE : 1:1

Division 6 RAMP GD

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/ Unusable Pavement Material Note 2	Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.2	Expanded EBS Backfill 1.30 Note 4	Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
755+28 AH	75527.51	0.00	180.47	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
755+50	75550.00	22.49	142.98	0.00	7.88	0.00	134.71	0.00	6.83	0.00	134.71	8.19	0.00	0.00	126.52
756+00	75600.00	50.00	137.84	0.00	5.99	0.00	260.02	0.00	12.84	0.00	394.73	23.60	0.00	0.00	371.13
756+50	75650.00	50.00	136.10	0.00	3.06	0.00	253.65	0.00	8.38	0.00	648.38	33.66	0.00	0.00	614.72
757+00	75700.00	50.00	135.64	0.00	0.15	0.00	251.61	0.00	2.97	0.00	899.99	37.22	0.00	0.00	862.76
757+50	75750.00	50.00	142.13	0.00	1.28	0.00	257.19	0.00	1.32	0.00	1157.18	38.81	0.00	0.00	1118.37
758+00	75800.00	50.00	140.78	0.00	3.98	0.00	261.95	0.00	4.87	0.00	1419.14	44.66	0.00	0.00	1374.48
758+50	75850.00	50.00	152.89	0.00	9.30	0.00	271.92	0.00	12.30	0.00	1691.05	59.41	0.00	0.00	1631.64
759+00	75900.00	50.00	255.49	0.00	14.63	0.00	378.13	0.00	22.16	0.00	2069.18	86.00	0.00	0.00	1983.18
759+50	75950.00	50.00	278.65	0.00	13.18	0.00	494.57	0.00	25.75	0.00	2563.76	116.90	0.00	0.00	2446.85
760+00	76000.00	50.00	280.75	0.00	2.75	0.00	517.96	0.00	14.75	0.00	3081.72	134.60	0.00	0.00	2947.12
760+50	76050.00	50.00	199.50	0.00	7.81	0.00	444.68	0.00	9.78	0.00	3526.40	146.34	0.00	0.00	3380.06
761+00	76100.00	50.00	139.72	0.00	4.81	0.00	314.09	0.00	11.69	0.00	3840.49	160.36	0.00	0.00	3680.13
761+11	76111.00	11.00	128.99	0.00	3.99	0.00	54.74	0.00	1.79	0.00	3895.23	162.51	0.00	0.00	3732.72
761+11	76111.00	0.00	64.60	0.00	0.01	0.00	0.00	0.00	0.00	0.00	3895.23	162.51	0.00	0.00	3732.72
761+50	76150.00	39.00	40.45	0.00	1.41	0.00	75.87	0.00	1.03	0.00	3971.10	163.74	0.00	0.00	3807.36
762+00	76200.00	50.00	165.33	0.00	10.20	0.00	190.54	0.00	10.75	0.00	4161.63	176.64	0.00	0.00	3984.99
762+50	76250.00	50.00	170.11	0.00	4.00	0.00	310.59	0.00	13.15	0.00	4472.23	192.42	0.00	0.00	4279.81
763+00	76300.00	50.00	181.41	0.00	0.00	0.00	325.48	0.00	3.70	0.00	4797.71	196.86	0.00	0.00	4600.84
763+50	76350.00	50.00	204.97	0.00	0.00	0.00	357.76	0.00	0.00	0.00	5155.47	196.86	0.00	0.00	4958.60
764+00	76400.00	50.00	192.00	0.00	0.00	0.00	367.56	0.00	0.00	0.00	5523.03	196.86	0.00	0.00	5326.17
764+50	76450.00	50.00	197.12	0.00	0.00	0.00	360.30	0.00	0.00	0.00	5883.33	196.86	0.00	0.00	5686.46
765+00	76500.00	50.00	219.33	0.00	1.53	0.00	385.60	0.00	1.42	0.00	6268.93	198.56	0.00	0.00	6070.37
765+50	76550.00	50.00	221.06	0.00	8.08	0.00	407.77	0.00	8.90	0.00	6676.70	209.24	0.00	0.00	6467.46
766+00	76600.00	50.00	211.11	0.00	0.00	0.00	400.16	0.00	7.48	0.00	7076.85	218.22	0.00	0.00	6858.64
766+50	76650.00	50.00	16.83	0.00	39.70	0.00	211.06	0.00	36.76	0.00	7287.91	262.33	0.00	0.00	7025.58
767+00	76700.00	50.00	20.86	0.00	39.82	0.00	34.90	0.00	73.63	0.00	7322.81	350.68	0.00	0.00	6972.12
767+50	76750.00	50.00	11.91	0.00	44.55	0.00	30.34	0.00	78.12	0.00	7353.15	444.43	0.00	0.00	6908.72

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew155 PLOT SCALE : 1:1

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Division 6 RAMP GD

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Ordinate
							Note 1	Note 2	Note 3		1.00 Note 1	1.2	1.30 Note 4	0.80 Note 5	Note 6
768+00	76800.00	50.00	0.01	0.00	42.38	0.00	11.04	0.00	80.49	0.00	7364.19	439.17	0.00	0.00	6925.01
768+50	76850.00	50.00	0.00	0.00	43.82	0.00	0.01	0.00	79.81	0.00	7364.20	534.95	0.00	0.00	6829.25
769+00	76900.00	50.00	0.00	0.00	46.01	0.00	0.00	0.00	83.18	0.00	7364.20	634.76	0.00	0.00	6729.44
769+50	76950.00	50.00	0.01	0.00	51.02	0.00	0.01	0.00	89.84	0.00	7364.21	742.57	0.00	0.00	6621.63
770+00	77000.00	50.00	0.00	0.00	49.48	0.00	0.01	0.00	93.06	0.00	7364.22	854.24	0.00	0.00	6509.98
770+50	77050.00	50.00	0.00	0.00	51.92	0.00	0.00	0.00	93.89	0.00	7364.22	966.91	0.00	0.00	6397.31
771+00	77100.00	50.00	0.00	0.00	54.60	0.00	0.00	0.00	98.63	0.00	7364.22	1085.26	0.00	0.00	6278.95
771+50	77150.00	50.00	0.00	0.00	52.53	0.00	0.00	0.00	99.19	0.00	7364.22	1204.30	0.00	0.00	6159.92
772+00	77200.00	50.00	0.65	0.00	31.01	0.00	0.60	0.00	77.35	0.00	7364.82	1297.12	0.00	0.00	6067.70
772+50	77250.00	50.00	0.64	0.00	27.86	0.00	1.19	0.00	54.51	0.00	7366.01	1362.53	0.00	0.00	6003.48
773+00	77300.00	50.00	0.64	0.00	23.28	0.00	1.19	0.00	47.35	0.00	7367.20	1419.35	0.00	0.00	5947.85
773+50	77350.00	50.00	0.64	0.00	18.06	0.00	1.19	0.00	38.28	0.00	7368.38	1465.28	0.00	0.00	5903.10
774+00	77400.00	50.00	4.82	0.00	13.44	0.00	5.06	0.00	29.17	0.00	7373.44	1500.28	0.00	0.00	5873.15
774+50	77450.00	50.00	55.59	0.00	0.12	0.00	55.94	0.00	12.56	0.00	7429.37	1515.35	0.00	0.00	5914.02
775+00	77500.00	50.00	100.58	0.00	0.12	0.00	144.60	0.00	0.22	0.00	7573.98	1515.62	0.00	0.00	6058.36
775+50	77550.00	50.00	101.84	0.00	0.11	0.00	187.43	0.00	0.21	0.00	7761.40	1515.87	0.00	0.00	6245.53
776+00	77600.00	50.00	106.99	0.00	0.11	0.00	193.36	0.00	0.20	0.00	7954.76	1516.12	0.00	0.00	6438.64
776+50	77650.00	50.00	117.32	0.00	0.11	0.00	207.69	0.00	0.20	0.00	8162.46	1516.36	0.00	0.00	6646.09
777+00	77700.00	50.00	123.64	0.00	0.11	0.00	223.11	0.00	0.20	0.00	8385.57	1516.61	0.00	0.00	6868.96
777+50	77750.00	50.00	135.28	0.00	0.11	0.00	239.74	0.00	0.20	0.00	8625.31	1516.85	0.00	0.00	7108.46
778+00	77800.00	50.00	147.73	0.00	0.11	0.00	262.05	0.00	0.20	0.00	8887.35	1517.10	0.00	0.00	7370.26
778+50	77850.00	50.00	157.73	0.00	0.11	0.00	282.83	0.00	0.20	0.00	9170.19	1517.34	0.00	0.00	7652.85
779+00	77900.00	50.00	164.88	0.00	0.10	0.00	298.71	0.00	0.19	0.00	9468.90	1517.57	0.00	0.00	7951.33
779+50	77950.00	50.00	125.70	0.00	0.10	0.00	269.06	0.00	0.19	0.00	9737.96	1517.80	0.00	0.00	8220.16
779+74 BK	77974.26	24.26	0.04	0.00	2.63	0.00	56.49	0.00	1.23	0.00	9794.45	1519.27	0.00	0.00	8275.18

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew156 PLOT SCALE : 1:1

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Division 6 RAMP GD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
780+56 AH	78055.76	0.00	0.00	0.00	1129.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
781+00	78100.00	44.24	0.00	0.00	1041.31	0.00	0.00	0.00	1778.78	0.00	0.00	2134.53	0.00	0.00	-2134.53
781+50	78150.00	50.00	0.00	0.00	1070.96	0.00	0.00	0.00	1955.81	0.00	0.00	4481.50	0.00	0.00	-4481.50
782+00	78200.00	50.00	0.00	0.00	1064.81	0.00	0.00	0.00	1977.56	0.00	0.00	6854.58	0.00	0.00	-6854.58
782+50	78250.00	50.00	0.00	0.00	823.36	0.00	0.00	0.00	1748.31	0.00	0.00	8952.54	0.00	0.00	-8952.54
783+00	78300.00	50.00	0.00	0.00	535.40	0.00	0.00	0.00	1258.11	0.00	0.00	10462.28	0.00	0.00	-10462.28
783+50	78350.00	50.00	0.00	0.00	156.36	0.00	0.00	0.00	640.52	0.00	0.00	11230.90	0.00	0.00	-11230.90
784+00	78400.00	50.00	102.14	0.00	39.66	0.00	94.57	0.00	181.50	0.00	94.57	11448.70	0.00	0.00	-11354.12
784+50	78450.00	50.00	288.91	0.00	0.40	0.00	362.08	0.00	37.09	0.00	456.66	11493.21	0.00	0.00	-11036.55
785+00	78500.00	50.00	304.32	0.00	0.00	0.00	549.29	0.00	0.37	0.00	1005.94	11493.65	0.00	0.00	-10487.71
785+35	78534.66	34.66	0.20	0.00	96.14	0.00	195.46	0.00	61.71	0.00	1201.40	11567.70	0.00	0.00	-10366.30
785+42 BK	78541.89	7.23	0.00	0.00	0.00	0.00	0.03	0.00	12.87	0.00	1201.43	11583.15	0.00	0.00	-10381.72
786+60 AH	78660.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
786+67	78667.35	6.96	5.98	0.00	150.92	0.00	0.77	0.00	19.45	0.00	0.77	23.34	0.00	0.00	-22.57
787+00	78700.00	32.65	638.41	0.00	30.32	0.00	389.62	0.00	109.58	0.00	390.39	154.84	0.00	0.00	235.55
787+50	78750.00	50.00	1691.37	0.00	18.28	0.00	2157.20	0.00	45.00	0.00	2547.59	208.84	0.00	0.00	2338.75
788+00	78800.00	50.00	1558.16	0.00	29.29	0.00	3008.82	0.00	44.05	0.00	5556.42	261.70	0.00	0.00	5294.72
788+43	78843.00	43.00	1500.64	0.00	16.80	0.00	2435.71	0.00	36.70	0.00	7992.13	305.74	0.00	0.00	7686.39
788+43	78843.00	0.00	1506.91	0.00	13.24	0.00	0.00	0.00	0.00	0.00	7992.13	305.74	0.00	0.00	7686.39
788+50	78850.00	7.00	1514.73	0.00	13.79	0.00	391.69	0.00	3.50	0.00	8383.82	309.94	0.00	0.00	8073.88
789+00	78900.00	50.00	1268.65	0.00	10.33	0.00	2577.20	0.00	22.33	0.00	10961.02	336.74	0.00	0.00	10624.28
789+50	78950.00	50.00	286.73	0.00	806.40	0.00	1440.17	0.00	756.23	0.00	12401.19	1244.22	0.00	0.00	11156.97
790+00	79000.00	50.00	394.51	0.00	1888.29	0.00	630.78	0.00	2495.08	0.00	13031.97	4238.32	0.00	0.00	8793.65
790+50	79050.00	50.00	874.69	0.00	1379.56	0.00	1175.19	0.00	3025.79	0.00	14207.15	7869.27	0.00	0.00	6337.89
791+00	79100.00	50.00	652.41	0.00	582.74	0.00	1413.98	0.00	1816.94	0.00	15621.14	10049.60	0.00	0.00	5571.54
791+09 BK	79108.56	8.56	574.26	0.00	550.25	0.00	194.45	0.00	179.60	0.00	15815.59	10265.12	0.00	0.00	5550.47
		Column totals					26811.46	0.00	19557.82	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP GE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
787+50 AH	78750.00	0.00	0.00	0.00	796.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
788+00	78800.00	50.00	0.00	0.00	1185.88	0.00	0.00	0.00	1835.49	0.00	0.00	2202.59	0.00	0.00	-2202.59
788+50	78850.00	50.00	0.00	0.00	1471.98	0.00	0.00	0.00	2460.98	0.00	0.00	5155.77	0.00	0.00	-5155.77
789+00	78900.00	50.00	0.00	0.00	2074.27	0.00	0.00	0.00	3283.56	0.00	0.00	9096.04	0.00	0.00	-9096.04
789+50	78950.00	50.00	0.00	0.00	2249.20	0.00	0.00	0.00	4003.21	0.00	0.00	13899.90	0.00	0.00	-13899.90
789+95 BK	78994.53	44.53	0.00	0.00	3514.63	0.00	0.00	0.00	4753.02	0.00	0.00	19603.53	0.00	0.00	-19603.53
		Column totals					0.00	0.00	16336.27	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP GH

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
561+12 AH	56111.94	0.00	70.82	0.00	4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561+50	56150.00	38.06	56.50	0.00	1.37	0.00	89.74	0.00	3.80	0.00	89.74	4.56	0.00	0.00	85.18
561+58	56158.00	8.00	46.23	0.00	1.07	0.00	15.22	0.00	0.36	0.00	104.96	4.99	0.00	0.00	99.96
561+58	56158.00	0.00	61.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.96	4.99	0.00	0.00	99.96
562+00	56200.00	42.00	12.40	0.00	2.95	0.00	57.19	0.00	2.29	0.00	162.15	7.75	0.00	0.00	154.40
562+50	56250.00	50.00	0.60	0.00	31.83	0.00	12.04	0.00	32.20	0.00	174.18	46.39	0.00	0.00	127.79
563+00	56300.00	50.00	0.01	0.00	55.12	0.00	0.56	0.00	80.51	0.00	174.75	143.00	0.00	0.00	31.75
563+50	56350.00	50.00	1.18	0.00	64.78	0.00	1.10	0.00	111.02	0.00	175.85	276.22	0.00	0.00	-100.37
563+79	56379.00	29.00	0.67	0.00	47.27	0.00	0.99	0.00	60.18	0.00	176.84	348.43	0.00	0.00	-171.59
563+79	56379.00	0.00	0.64	0.00	74.31	0.00	0.00	0.00	0.00	0.00	176.84	348.43	0.00	0.00	-171.59
564+00	56400.00	21.00	0.08	0.00	57.46	0.00	0.28	0.00	51.24	0.00	177.12	409.93	0.00	0.00	-232.80
564+28 BK	56427.84	27.84	0.15	0.00	40.58	0.00	0.12	0.00	50.55	0.00	177.24	470.58	0.00	0.00	-293.34
					Column totals		177.24	0.00	392.15	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP BC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
702+68 AH	70267.61	0.00	78.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703+00	70300.00	32.39	89.20	0.00	0.00	0.00	100.52	0.00	0.00	0.00	100.52	0.00	0.00	0.00	100.52
703+50	70350.00	50.00	101.06	0.00	0.00	0.00	176.17	0.00	0.00	0.00	276.69	0.00	0.00	0.00	276.69
704+00	70400.00	50.00	120.43	0.00	0.00	0.00	205.08	0.00	0.00	0.00	481.77	0.00	0.00	0.00	481.77
704+40	70440.00	40.00	143.78	0.00	0.00	0.00	195.71	0.00	0.00	0.00	677.48	0.00	0.00	0.00	677.48
704+40	70440.00	0.00	91.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	677.48	0.00	0.00	0.00	677.48
704+50	70450.00	10.00	91.62	0.00	0.00	0.00	33.93	0.00	0.00	0.00	711.42	0.00	0.00	0.00	33.93
705+00	70500.00	50.00	91.63	0.00	0.00	0.00	169.68	0.00	0.00	0.00	881.09	0.00	0.00	0.00	847.16
705+50	70550.00	50.00	91.62	0.00	0.00	0.00	169.68	0.00	0.00	0.00	1050.77	0.00	0.00	0.00	203.61
706+00	70600.00	50.00	91.62	0.00	0.00	0.00	169.67	0.00	0.00	0.00	1220.43	0.00	0.00	0.00	1016.83
706+50	70650.00	50.00	91.62	0.00	0.00	0.00	169.67	0.00	0.00	0.00	1390.10	0.00	0.00	0.00	373.27
707+00	70700.00	50.00	91.62	0.00	0.00	0.00	169.67	0.00	0.00	0.00	1559.77	0.00	0.00	0.00	1186.49
707+50	70750.00	50.00	91.62	0.00	0.00	0.00	169.67	0.00	0.00	0.00	1729.43	0.00	0.00	0.00	542.94
708+00	70800.00	50.00	91.62	0.00	0.00	0.00	169.67	0.00	0.00	0.00	1899.10	0.00	0.00	0.00	1356.16
708+50	70850.00	50.00	42.21	0.00	16.08	0.00	123.92	0.00	14.89	0.00	2023.02	17.87	0.00	0.00	648.99
709+00	70900.00	50.00	87.55	0.00	3.31	0.00	120.15	0.00	17.95	0.00	2143.17	39.41	0.00	0.00	1454.76
709+50	70950.00	50.00	145.29	0.00	0.88	0.00	215.59	0.00	3.88	0.00	2358.76	44.07	0.00	0.00	859.93
710+00	71000.00	50.00	205.61	0.00	0.00	0.00	324.91	0.00	0.81	0.00	2683.67	45.04	0.00	0.00	1778.69
710+50	71050.00	50.00	274.62	0.00	0.00	0.00	444.66	0.00	0.00	0.00	3128.32	45.04	0.00	0.00	1304.59
711+00	71100.00	50.00	338.91	0.00	0.00	0.00	568.08	0.00	0.00	0.00	3696.41	45.04	0.00	0.00	2346.78
711+50	71150.00	50.00	354.32	0.00	0.00	0.00	641.88	0.00	0.00	0.00	4338.29	45.04	0.00	0.00	1946.46
712+00	71200.00	50.00	349.00	0.00	0.00	0.00	651.22	0.00	0.00	0.00	4989.51	45.04	0.00	0.00	2998.00
712+50	71250.00	50.00	327.12	0.00	0.00	0.00	626.04	0.00	0.00	0.00	5615.55	45.04	0.00	0.00	2572.50

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP BC

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
713+00	71300.00	50.00	309.28	0.00	0.00	0.00	589.26	0.00	0.00	0.00	6204.80	45.04	0.00	0.00	3587.26
713+50	71350.00	50.00	256.43	0.00	0.00	0.00	523.81	0.00	0.00	0.00	6728.61	45.04	0.00	0.00	3096.31
714+00	71400.00	50.00	191.01	0.00	0.00	0.00	414.30	0.00	0.00	0.00	7142.91	45.04	0.00	0.00	4001.55
714+50	71450.00	50.00	128.41	0.00	0.00	0.00	295.76	0.00	0.00	0.00	7438.67	45.04	0.00	0.00	3392.07
715+00	71500.00	50.00	85.94	0.00	1.11	0.00	198.47	0.00	1.03	0.00	7637.14	46.28	0.00	0.00	4198.79
715+50	71550.00	50.00	135.58	0.00	0.64	0.00	205.11	0.00	1.62	0.00	7842.25	48.22	0.00	0.00	3595.23
716+00	71600.00	50.00	331.25	0.00	1.01	0.00	432.25	0.00	1.53	0.00	8274.50	50.06	0.00	0.00	4629.21
716+50	71650.00	50.00	233.09	0.00	1.88	0.00	522.54	0.00	2.68	0.00	8797.04	53.27	0.00	0.00	4114.56
717+00	71700.00	50.00	172.98	0.00	3.49	0.00	375.99	0.00	4.97	0.00	9173.03	59.23	0.00	0.00	4999.23
717+50	71750.00	50.00	45.68	0.00	6.76	0.00	202.46	0.00	9.49	0.00	9375.49	70.62	0.00	0.00	4305.63
718+00	71800.00	50.00	37.55	0.00	7.85	0.00	77.06	0.00	13.53	0.00	9452.55	86.86	0.00	0.00	5060.07
718+50	71850.00	50.00	32.13	0.00	7.93	0.00	64.52	0.00	14.61	0.00	9517.07	104.39	0.00	0.00	4352.62
719+00	71900.00	50.00	30.58	0.00	8.30	0.00	58.06	0.00	15.03	0.00	9575.14	122.42	0.00	0.00	5100.10
719+50	71950.00	50.00	22.97	0.00	14.55	0.00	49.58	0.00	21.16	0.00	9624.72	147.81	0.00	0.00	4376.81
720+00	72000.00	50.00	24.81	0.00	13.22	0.00	44.24	0.00	25.71	0.00	9668.96	178.67	0.00	0.00	5113.48
720+50	72050.00	50.00	25.22	0.00	16.95	0.00	46.32	0.00	27.94	0.00	9715.29	212.19	0.00	0.00	4389.61
720+92 BK	72092.45	42.45	93.62	0.00	12.86	0.00	93.42	0.00	23.43	0.00	9808.71	240.31	0.00	0.00	5178.78
						Column totals	9808.71	0.00	200.26	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew160 PLOT SCALE : 1:1

Division 6 RAMP SA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
559+81 AH	55981.32	0.00	59.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560+00	56000.00	18.68	43.25	0.00	0.82	0.00	35.51	0.00	0.28	0.00	35.51	0.34	0.00	0.00	35.17
560+50	56050.00	50.00	48.97	0.00	0.00	0.00	85.39	0.00	0.76	0.00	120.90	1.25	0.00	0.00	119.65
561+00	56100.00	50.00	65.01	0.00	0.00	0.00	105.54	0.00	0.00	0.00	226.44	1.25	0.00	0.00	225.19
561+17 BK	56116.77	16.77	62.23	0.00	0.00	0.00	39.52	0.00	0.00	0.00	265.95	1.25	0.00	0.00	264.70
563+28 AH	56327.74	0.00	86.46	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
563+50	56350.00	22.26	67.53	0.00	0.32	0.00	63.48	0.00	0.58	0.00	63.48	0.70	0.00	0.00	62.78
564+00	56400.00	50.00	82.45	0.00	0.05	0.00	138.87	0.00	0.34	0.00	202.35	1.11	0.00	0.00	201.24
564+50	56450.00	50.00	73.90	0.00	0.01	0.00	144.77	0.00	0.06	0.00	347.12	1.18	0.00	0.00	345.94
565+00	56500.00	50.00	65.92	0.00	0.83	0.00	129.46	0.00	0.78	0.00	476.58	2.11	0.00	0.00	474.47
565+50	56550.00	50.00	45.67	0.00	8.97	0.00	103.32	0.00	9.07	0.00	579.90	13.00	0.00	0.00	566.91
566+00	56600.00	50.00	46.82	0.00	22.17	0.00	85.64	0.00	28.83	0.00	665.54	47.60	0.00	0.00	617.95
566+50	56650.00	50.00	41.90	0.00	42.56	0.00	82.15	0.00	59.94	0.00	747.69	119.52	0.00	0.00	628.17
567+00	56700.00	50.00	23.70	0.00	80.88	0.00	60.74	0.00	114.30	0.00	808.43	256.68	0.00	0.00	551.76
567+50	56750.00	50.00	20.47	0.00	111.79	0.00	40.90	0.00	178.40	0.00	849.33	470.75	0.00	0.00	378.58
568+00	56800.00	50.00	0.27	0.00	153.92	0.00	19.20	0.00	246.03	0.00	868.53	765.99	0.00	0.00	102.55
568+50	56850.00	50.00	0.00	0.00	173.81	0.00	0.25	0.00	303.45	0.00	868.78	1130.13	0.00	0.00	-261.35
569+00	56900.00	50.00	0.00	0.00	185.68	0.00	0.00	0.00	332.86	0.00	868.78	1529.56	0.00	0.00	-660.78
569+50	56950.00	50.00	0.00	0.00	192.23	0.00	0.00	0.00	349.92	0.00	868.78	1949.46	0.00	0.00	-1080.68
570+00	57000.00	50.00	0.00	0.00	187.93	0.00	0.00	0.00	352.00	0.00	868.78	2371.86	0.00	0.00	-1503.08
570+50	57050.00	50.00	0.04	0.00	104.80	0.00	0.04	0.00	271.05	0.00	868.82	2697.12	0.00	0.00	-1828.30
571+00	57100.00	50.00	37.87	0.00	24.14	0.00	35.10	0.00	119.39	0.00	903.92	2840.39	0.00	0.00	-1936.46
571+28 BK	57128.02	28.02	90.39	0.00	0.02	0.00	66.55	0.00	12.54	0.00	970.48	2855.43	0.00	0.00	-1884.95

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew161 PLOT SCALE : 1:1

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Division 6 RAMP SA

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
572+36 AH	57235.53	0.00	1.33	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
572+50	57250.00	14.47	3.19	0.00	21.13	0.00	1.21	0.00	5.75	0.00	1.21	6.90	0.00	0.00	-5.69
573+00	57300.00	50.00	0.89	0.00	11.77	0.00	3.78	0.00	30.46	0.00	4.99	43.46	0.00	0.00	-38.47
573+03	57302.73	2.73	0.62	0.00	12.58	0.00	0.08	0.00	1.23	0.00	5.07	44.94	0.00	0.00	-39.87
573+03	57302.73	0.00	0.64	0.00	20.82	0.00	0.00	0.00	0.00	0.00	5.07	44.94	0.00	0.00	-39.87
573+50	57350.00	47.27	1.67	0.00	25.68	0.00	2.02	0.00	40.70	0.00	7.09	93.78	0.00	0.00	-86.69
574+00	57400.00	50.00	2.64	0.00	103.80	0.00	3.99	0.00	119.89	0.00	11.08	237.65	0.00	0.00	-226.57
574+50	57450.00	50.00	3.32	0.00	243.69	0.00	5.52	0.00	321.75	0.00	16.60	623.75	0.00	0.00	-607.15
575+00	57500.00	50.00	22.96	0.00	308.09	0.00	24.33	0.00	510.91	0.00	40.93	1236.84	0.00	0.00	-1195.91
575+23	57523.43	23.43	44.71	0.00	325.28	0.00	29.36	0.00	274.81	0.00	70.29	1566.61	0.00	0.00	-1496.32
575+23	57523.43	0.00	140.19	0.00	327.16	0.00	0.00	0.00	0.00	0.00	70.29	1566.61	0.00	0.00	-1496.32
575+50	57550.00	26.57	154.06	0.00	341.16	0.00	144.78	0.00	328.84	0.00	215.07	1961.22	0.00	0.00	-1746.15
576+00	57600.00	50.00	179.58	0.00	318.56	0.00	308.93	0.00	610.85	0.00	524.00	2694.24	0.00	0.00	-2170.24
576+50	57650.00	50.00	201.35	0.00	246.08	0.00	352.71	0.00	522.81	0.00	876.71	3321.62	0.00	0.00	-2444.91
577+00	57700.00	50.00	196.36	0.00	23.05	0.00	368.25	0.00	249.19	0.00	1244.96	3620.65	0.00	0.00	-2375.69
577+50	57750.00	50.00	208.86	0.00	18.96	0.00	375.20	0.00	38.90	0.00	1620.17	3667.33	0.00	0.00	-2047.16
577+88 BK	57788.29	38.29	211.26	0.00	19.88	0.00	297.90	0.00	27.54	0.00	1918.06	3700.38	0.00	0.00	-1782.32
Column totals							3154.49	0.00	5464.22	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP SD

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
531+74 AH	53174.08	0.00	0.00	0.00	268.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532+00	53200.00	25.92	0.00	0.00	299.89	0.00	0.00	0.00	272.82	0.00	0.00	327.39	0.00	0.00	-327.39
532+50	53250.00	50.00	0.00	0.00	387.89	0.00	0.00	0.00	636.83	0.00	0.00	1091.59	0.00	0.00	-1091.59
533+00	53300.00	50.00	0.00	0.00	370.87	0.00	0.00	0.00	702.56	0.00	0.00	1934.65	0.00	0.00	-1934.65
533+50	53350.00	50.00	0.00	0.00	424.27	0.00	0.00	0.00	736.24	0.00	0.00	2818.14	0.00	0.00	-2818.14
534+00	53400.00	50.00	0.00	0.00	474.69	0.00	0.00	0.00	832.37	0.00	0.00	3816.99	0.00	0.00	-3816.99
534+50	53450.00	50.00	0.00	0.00	505.93	0.00	0.00	0.00	907.98	0.00	0.00	4906.56	0.00	0.00	-4906.56
535+00	53500.00	50.00	0.00	0.00	502.07	0.00	0.00	0.00	933.33	0.00	0.00	6026.56	0.00	0.00	-6026.56
535+50	53550.00	50.00	0.00	0.00	453.60	0.00	0.00	0.00	884.88	0.00	0.00	7088.42	0.00	0.00	-7088.42
536+00	53600.00	50.00	0.00	0.00	377.19	0.00	0.00	0.00	769.25	0.00	0.00	8011.52	0.00	0.00	-8011.52
536+03	53602.74	2.74	0.00	0.00	377.35	0.00	0.00	0.00	38.29	0.00	0.00	8057.46	0.00	0.00	-8057.46
536+03	53602.74	0.00	0.00	0.00	297.33	0.00	0.00	0.00	0.00	0.00	0.00	8057.46	0.00	0.00	-8057.46
536+50	53650.00	47.26	0.00	0.00	305.46	0.00	0.00	0.00	527.55	0.00	0.00	8690.53	0.00	0.00	-8690.53
537+00	53700.00	50.00	0.00	0.00	199.19	0.00	0.00	0.00	467.27	0.00	0.00	9251.25	0.00	0.00	-9251.25
537+50	53750.00	50.00	0.00	0.00	135.19	0.00	0.00	0.00	309.61	0.00	0.00	9622.78	0.00	0.00	-9622.78
538+00	53800.00	50.00	0.00	0.00	93.58	0.00	0.00	0.00	211.82	0.00	0.00	9876.97	0.00	0.00	-9876.97
538+50	53850.00	50.00	0.00	0.00	63.00	0.00	0.00	0.00	144.98	0.00	0.00	10050.95	0.00	0.00	-10050.95
539+00	53900.00	50.00	0.91	0.00	46.60	0.00	0.84	0.00	101.48	0.00	0.84	10172.73	0.00	0.00	-10171.88
539+50	53950.00	50.00	2.50	0.00	52.56	0.00	3.16	0.00	91.81	0.00	4.00	10282.90	0.00	0.00	-10278.90
540+00	54000.00	50.00	22.94	0.00	8.16	0.00	23.56	0.00	56.22	0.00	27.56	10350.37	0.00	0.00	-10322.82
540+50	54050.00	50.00	37.27	0.00	24.90	0.00	55.75	0.00	30.61	0.00	83.31	10387.10	0.00	0.00	-10303.80
541+00	54100.00	50.00	39.21	0.00	56.01	0.00	70.81	0.00	74.92	0.00	154.12	10477.00	0.00	0.00	-10322.88
541+50	54150.00	50.00	77.43	0.00	98.18	0.00	108.00	0.00	142.77	0.00	262.12	10648.33	0.00	0.00	-10386.21
542+00	54200.00	50.00	68.18	0.00	142.82	0.00	134.82	0.00	223.15	0.00	396.94	10916.10	0.00	0.00	-10519.16
542+50	54250.00	50.00	61.09	0.00	185.65	0.00	119.69	0.00	304.14	0.00	516.64	11281.07	0.00	0.00	-10764.43
543+00	54300.00	50.00	2.97	0.00	267.40	0.00	59.31	0.00	419.49	0.00	575.95	11784.46	0.00	0.00	-11208.51
543+50	54350.00	50.00	0.00	0.00	325.77	0.00	2.75	0.00	549.23	0.00	578.70	12443.54	0.00	0.00	-11864.83
544+00	54400.00	50.00	0.00	0.00	307.65	0.00	0.00	0.00	586.50	0.00	578.70	13147.34	0.00	0.00	-12568.63
544+50	54450.00	50.00	0.00	0.00	273.63	0.00	0.00	0.00	538.22	0.00	578.70	13793.20	0.00	0.00	-13214.50
545+00	54500.00	50.00	3.41	0.00	428.60	0.00	3.16	0.00	650.21	0.00	581.86	14573.46	0.00	0.00	-13991.60
545+50	54550.00	50.00	72.17	0.00	125.44	0.00	69.98	0.00	513.00	0.00	651.84	15189.06	0.00	0.00	-14537.22
546+00	54600.00	50.00	133.93	0.00	45.04	0.00	190.83	0.00	157.85	0.00	842.68	15378.48	0.00	0.00	-14535.81
546+15 BK	54614.72	14.72	144.26	0.00	2.97	0.00	75.83	0.00	13.09	0.00	918.51	15394.19	0.00	0.00	-14475.68
						Column totals	918.51	0.00	12828.49	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP SM

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
160+64 AH	16064.35	0.00	56.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161+00	16100.00	35.65	57.45	0.00	0.00	0.00	75.39	0.00	0.00	0.00	75.39	0.00	0.00	0.00	75.39
161+50	16150.00	50.00	61.93	0.00	0.00	0.00	110.54	0.00	0.00	0.00	185.93	0.00	0.00	0.00	185.93
161+62	16162.20	12.20	62.00	0.00	0.00	0.00	28.00	0.00	0.00	0.00	213.93	0.00	0.00	0.00	213.93
161+62	16162.20	0.00	157.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.93	0.00	0.00	0.00	213.93
162+00	16200.00	37.80	144.10	0.00	0.00	0.00	210.94	0.00	0.00	0.00	424.87	0.00	0.00	0.00	424.87
162+50	16250.00	50.00	125.16	0.00	0.00	0.00	249.31	0.00	0.00	0.00	674.19	0.00	0.00	0.00	674.19
162+75	16275.02	25.02	113.74	0.00	0.00	0.00	110.69	0.00	0.00	0.00	784.88	0.00	0.00	0.00	784.88
162+75	16275.02	0.00	142.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	784.88	0.00	0.00	0.00	784.88
163+00	16300.00	24.98	131.40	0.00	0.00	0.00	126.82	0.00	0.00	0.00	911.70	0.00	0.00	0.00	911.70
163+50	16350.00	50.00	113.91	0.00	0.00	0.00	227.14	0.00	0.00	0.00	1138.84	0.00	0.00	0.00	1138.84
163+93 BK	16392.66	42.66	101.10	0.00	0.00	0.00	169.86	0.00	0.00	0.00	1308.70	0.00	0.00	0.00	1308.70
					Column totals		1308.70	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 RAMP FC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
792+86 AH	79286.00	0.00	2999.84	0.00	690.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
793+00	79300.00	14.00	3278.54	0.00	435.44	0.00	1627.73	0.00	291.83	0.00	1627.73	350.19	0.00	0.00	1277.54
793+50	79350.00	50.00	3746.85	0.00	3.46	0.00	6504.99	0.00	406.39	0.00	8132.72	837.86	0.00	0.00	7294.86
794+00	79400.00	50.00	2950.33	0.00	0.00	0.00	6201.09	0.00	3.20	0.00	14333.81	841.70	0.00	0.00	13492.11
794+50	79450.00	50.00	2520.11	0.00	71.24	0.00	5065.22	0.00	65.96	0.00	19399.03	920.86	0.00	0.00	18478.17
795+00	79500.00	50.00	2187.95	0.00	41.07	0.00	4359.31	0.00	103.99	0.00	23758.35	1045.65	0.00	0.00	22712.70
795+50	79550.00	50.00	1919.98	0.00	94.57	0.00	3803.64	0.00	125.59	0.00	27561.99	1196.36	0.00	0.00	26365.63
796+00 BK	79600.00	50.00	1603.51	0.00	55.78	0.00	3262.49	0.00	139.21	0.00	30824.48	1363.42	0.00	0.00	29461.06
						Column totals	30824.48	0.00	1136.18	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 RAMP FH

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
791+45 AH	79144.88	0.00	958.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
791+50	79150.00	5.12	783.58	0.00	0.00	0.00	165.16	0.00	0.00	0.00	165.16	0.00	0.00	0.00	165.16
792+00	79200.00	50.00	1043.84	0.00	8.45	0.00	1692.06	0.00	7.82	0.00	1857.21	9.39	0.00	0.00	1847.82
792+50	79250.00	50.00	1052.90	0.00	27.61	0.00	1941.43	0.00	33.39	0.00	3798.64	49.46	0.00	0.00	3749.18
793+00	79300.00	50.00	1168.16	0.00	28.18	0.00	2056.54	0.00	51.66	0.00	5855.17	111.44	0.00	0.00	5743.73
793+50	79350.00	50.00	1147.20	0.00	143.96	0.00	2143.85	0.00	159.39	0.00	7999.03	302.71	0.00	0.00	7696.32
793+90	79390.00	40.00	922.41	0.00	282.79	0.00	1533.04	0.00	316.11	0.00	9532.07	682.04	0.00	0.00	8850.03
793+90	79390.00	0.00	779.47	0.00	302.02	0.00	0.00	0.00	0.00	0.00	9532.07	682.04	0.00	0.00	8850.03
794+00	79400.00	10.00	668.03	0.00	342.47	1.00	268.06	0.00	119.35	0.00	9800.13	825.26	0.00	0.00	8974.86
794+50	79450.00	50.00	832.46	0.00	20.26	2.00	1389.34	0.00	335.86	0.00	11189.47	1228.30	0.00	0.00	9961.17
795+00	79500.00	50.00	894.10	0.00	0.00	3.00	1598.67	0.00	18.76	0.00	12788.14	1250.81	0.00	0.00	11537.33
795+50	79550.00	50.00	737.09	0.00	0.00	4.00	1510.36	0.00	0.00	0.00	14298.50	1250.81	0.00	0.00	13047.69
796+00	79600.00	50.00	412.63	0.00	9.56	5.00	1064.56	0.00	8.85	0.00	15363.05	1261.43	0.00	0.00	14101.62
796+50	79650.00	50.00	282.11	0.00	8.51	6.00	643.28	0.00	16.73	0.00	16006.33	1281.51	0.00	0.00	14724.82
797+00	79700.00	50.00	153.66	0.00	5.04	7.00	403.49	0.00	12.55	0.00	16409.82	1296.56	0.00	0.00	15113.26
797+50	79750.00	50.00	107.17	0.00	2.91	8.00	241.51	0.00	7.36	0.00	16651.33	1305.40	0.00	0.00	15345.93
798+00	79800.00	50.00	94.66	0.00	58.19	9.00	186.88	0.00	56.57	0.00	16838.21	1373.29	0.00	0.00	15464.92
798+50	79850.00	50.00	107.39	0.00	230.11	10.00	187.08	0.00	266.94	0.00	17025.29	1693.62	0.00	0.00	15331.67
799+00	79900.00	50.00	120.93	0.00	385.42	11.00	211.41	0.00	569.94	0.00	17236.70	2377.54	0.00	0.00	14859.16
799+50	79950.00	50.00	122.28	0.00	284.83	0.00	225.19	0.00	620.60	0.00	17461.89	3122.26	0.00	0.00	14339.63
800+00	80000.00	50.00	107.99	0.00	209.79	0.00	213.21	0.00	457.98	0.00	17675.11	3671.84	0.00	0.00	14003.27
800+50	80050.00	50.00	127.62	0.00	175.08	0.00	218.16	0.00	356.36	0.00	17893.27	4099.48	0.00	0.00	13793.79
800+73	80072.72	22.72	18.46	0.00	62.00	0.00	61.46	0.00	99.75	0.00	17954.73	4219.17	0.00	0.00	13735.55
801+00	80100.00	27.28	18.39	0.00	111.08	0.00	18.62	0.00	87.44	0.00	17973.34	4324.10	0.00	0.00	13649.24
801+14 BK	80114.00	14.00	24.19	0.00	121.22	0.00	11.04	0.00	60.23	0.00	17984.38	4396.37	0.00	0.00	13588.01
						Column totals	17984.38	0.00	3663.64	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 6 S. 100TH STREET (TD)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
12+42 AH	1242.26	0.00	19.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12+50	1250.00	7.74	18.48	0.00	0.00	0.00	5.50	0.00	0.00	0.00	5.50	0.00	0.00	0.00	5.50
13+00	1300.00	50.00	22.28	0.00	0.00	0.00	37.74	0.00	0.00	0.00	43.24	0.00	0.00	0.00	43.24
13+50	1350.00	50.00	23.01	0.00	9.11	0.00	41.94	0.00	8.44	0.00	85.17	10.12	0.00	0.00	75.05
14+00	1400.00	50.00	22.03	0.00	15.63	0.00	41.70	0.00	22.91	0.00	126.88	37.61	0.00	0.00	89.26
14+50	1450.00	50.00	23.00	0.00	18.68	0.00	41.69	0.00	31.77	0.00	168.57	75.73	0.00	0.00	92.84
15+00	1500.00	50.00	24.04	0.00	19.77	0.00	43.56	0.00	35.60	0.00	212.13	118.46	0.00	0.00	93.67
15+50	1550.00	50.00	25.62	0.00	19.25	0.00	45.98	0.00	36.13	0.00	258.11	161.81	0.00	0.00	96.30
16+00	1600.00	50.00	27.03	0.00	19.71	0.00	48.75	0.00	36.07	0.00	306.86	205.10	0.00	0.00	101.76
16+50	1650.00	50.00	26.80	0.00	19.59	0.00	49.84	0.00	36.39	0.00	356.70	248.77	0.00	0.00	107.93
17+00	1700.00	50.00	24.70	0.00	19.43	0.00	47.69	0.00	36.13	0.00	404.38	292.12	0.00	0.00	112.26
17+50	1750.00	50.00	25.95	0.00	17.54	0.00	46.90	0.00	34.23	0.00	451.28	333.20	0.00	0.00	118.08
18+00	1800.00	50.00	23.86	0.00	9.78	0.00	46.12	0.00	25.30	0.00	497.40	363.56	0.00	0.00	133.85
18+50	1850.00	50.00	21.98	0.00	5.24	0.00	42.44	0.00	13.91	0.00	539.85	380.24	0.00	0.00	159.60
18+66 BK	1866.02	16.02	18.32	0.00	2.65	0.00	11.96	0.00	2.34	0.00	551.80	383.05	0.00	0.00	168.75
						Column totals	551.80	0.00	319.21	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 6 S. 100TH STREET (TE)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Ordinate
							Note 1	Note 2	Note 3		1.00 Note 1	1.2	1.30 Note 4	0.80 Note 5	Note 6
17+00 AH	1700.00	0.00	27.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00
17+50	1750.00	50.00	22.20	0.00	0.32	0.00	45.77	0.00	0.30	0.00	46.77	1.36	0.00	0.00	46.41
18+00	1800.00	50.00	23.28	0.00	0.39	0.00	42.11	0.00	0.66	0.00	88.88	2.14	0.00	0.00	87.74
18+50	1850.00	50.00	28.20	0.00	0.05	0.00	47.67	0.00	0.41	0.00	136.55	2.63	0.00	0.00	134.91
19+00	1900.00	50.00	20.97	0.00	2.18	0.00	45.53	0.00	2.06	0.00	182.07	5.11	0.00	0.00	177.96
19+50	1950.00	50.00	23.41	0.00	0.05	0.00	41.09	0.00	2.06	0.00	223.17	7.59	0.00	0.00	216.58
20+00	2000.00	50.00	24.92	0.00	0.00	0.00	44.75	0.00	0.05	0.00	267.92	7.64	0.00	0.00	261.27
20+50	2050.00	50.00	40.54	0.00	0.00	0.00	60.61	0.00	0.00	0.00	328.53	7.64	0.00	0.00	321.88
21+00	2100.00	50.00	50.76	0.00	0.00	0.00	84.54	0.00	0.00	0.00	413.06	7.64	0.00	0.00	406.42
21+10 BK	2110.22	10.22	39.97	0.00	0.22	0.00	17.17	0.00	0.04	0.00	430.24	7.69	0.00	0.00	423.54
						Column totals	429.24	0.00	5.58	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 NSQ

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
11+44 AH	1144.45	0.00	3.08	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	5.55	3.45	0.00	0.16	0.00	0.67	0.00	0.03	0.00	0.67	0.04	0.00	0.00	0.63
12+00	1200.00	50.00	10.65	0.00	0.08	0.00	13.06	0.00	0.22	0.00	13.73	0.30	0.00	0.00	13.42
12+50	1250.00	50.00	23.12	0.00	0.00	0.00	31.27	0.00	0.07	0.00	45.00	0.39	0.00	0.00	44.60
13+00	1300.00	50.00	28.24	0.00	0.00	0.00	47.56	0.00	0.00	0.00	92.55	0.39	0.00	0.00	92.16
13+50	1350.00	50.00	38.51	0.00	0.00	0.00	61.81	0.00	0.00	0.00	154.36	0.39	0.00	0.00	153.96
14+00	1400.00	50.00	118.96	0.00	0.00	0.00	145.81	0.00	0.00	0.00	300.16	0.39	0.00	0.00	299.77
14+50	1450.00	50.00	128.41	0.00	0.00	0.00	229.05	0.00	0.00	0.00	529.21	0.39	0.00	0.00	528.82
15+00	1500.00	50.00	67.41	0.00	0.00	0.00	181.31	0.00	0.00	0.00	710.52	0.39	0.00	0.00	710.13
15+50	1550.00	50.00	82.59	0.00	0.00	0.00	138.89	0.00	0.00	0.00	849.41	0.39	0.00	0.00	849.02
16+00	1600.00	50.00	87.41	0.00	0.00	0.00	157.41	0.00	0.00	0.00	1006.82	0.39	0.00	0.00	1006.43
16+50	1650.00	50.00	75.51	0.00	0.00	0.00	150.85	0.00	0.00	0.00	1157.67	0.39	0.00	0.00	1157.28
17+00	1700.00	50.00	53.41	0.00	0.00	0.00	119.37	0.00	0.00	0.00	1277.04	0.39	0.00	0.00	1276.65
17+50	1750.00	50.00	46.59	0.00	5.40	0.00	92.59	0.00	5.00	0.00	1369.63	6.39	0.00	0.00	1363.24
18+00	1800.00	50.00	47.55	0.00	0.00	0.00	87.17	0.00	5.00	0.00	1456.80	12.39	0.00	0.00	1444.41
18+50	1850.00	50.00	64.30	0.00	0.00	0.00	103.56	0.00	0.00	0.00	1560.37	12.39	0.00	0.00	1547.97
19+00	1900.00	50.00	81.75	0.00	0.00	0.00	135.23	0.00	0.00	0.00	1695.60	12.39	0.00	0.00	1683.20
19+24 BK	1923.78	23.78	88.88	0.00	0.00	0.00	75.14	0.00	0.00	0.00	1770.74	12.39	0.00	0.00	1758.34
Column totals							1770.74	0.00	10.33	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 EWW

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
10+24 AH	1023.52	0.00	4.32	0.00	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	26.48	4.31	0.00	3.79	0.00	4.23	0.00	3.76	0.00	4.23	4.51	0.00	0.00	-0.28
11+00	1100.00	50.00	4.31	0.00	3.74	0.00	7.98	0.00	6.97	0.00	12.21	12.88	0.00	0.00	-0.67
11+50	1150.00	50.00	4.65	0.00	3.70	0.00	8.30	0.00	6.89	0.00	20.51	21.15	0.00	0.00	-0.64
12+00	1200.00	50.00	6.57	0.00	3.78	0.00	10.39	0.00	6.93	0.00	30.90	29.46	0.00	0.00	1.44
12+50	1250.00	50.00	10.86	0.00	4.15	0.00	16.14	0.00	7.34	0.00	47.04	38.27	0.00	0.00	8.77
13+00	1300.00	50.00	15.54	0.00	1.55	0.00	24.44	0.00	5.28	0.00	71.48	44.60	0.00	0.00	26.88
13+50	1350.00	50.00	6.27	0.00	0.16	0.00	20.19	0.00	1.58	0.00	91.68	46.50	0.00	0.00	45.17
14+00	1400.00	50.00	4.49	0.00	2.07	0.00	9.96	0.00	2.06	0.00	101.64	48.98	0.00	0.00	52.66
14+50	1450.00	50.00	3.34	0.00	1.16	0.00	7.25	0.00	2.99	0.00	108.89	52.57	0.00	0.00	56.32
14+90 BK	1490.31	40.31	1.91	0.00	0.57	0.00	3.92	0.00	1.29	0.00	112.81	54.12	0.00	0.00	58.69
		Column totals					112.81	0.00	45.10	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 ENB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
12+28 AH	1228.41	0.00	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12+50	1250.00	21.59	13.78	0.00	0.00	0.00	6.17	0.00	0.00	0.00	6.17	0.00	0.00	0.00	6.17
13+00	1300.00	50.00	5.85	0.00	22.47	0.00	18.18	0.00	20.81	0.00	24.35	24.97	0.00	0.00	-0.62
13+50	1350.00	50.00	5.55	0.00	18.18	0.00	10.56	0.00	37.64	0.00	34.90	70.13	0.00	0.00	-35.23
14+00	1400.00	50.00	4.22	0.00	6.16	0.00	9.05	0.00	22.54	0.00	43.95	97.18	0.00	0.00	-53.23
14+47 BK	1446.96	46.96	2.81	0.00	0.10	0.00	6.11	0.00	5.44	0.00	50.06	103.71	0.00	0.00	-53.65
						Column totals	50.06	0.00	86.43	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew171 PLOT SCALE : 1:1

Division 6 WSD

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
10+52 AH	1051.73	0.00	0.00	0.00	24.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+00	1100.00	48.27	0.00	0.00	31.28	0.00	0.00	0.00	49.78	0.00	0.00	59.74	0.00	0.00	-59.74
11+50	1150.00	50.00	0.00	0.00	39.98	0.00	0.00	0.00	65.98	0.00	0.00	138.91	0.00	0.00	-138.91
12+00	1200.00	50.00	0.00	0.00	42.73	0.00	0.00	0.00	76.58	0.00	0.00	230.81	0.00	0.00	-230.81
12+50	1250.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	39.56	0.00	0.00	278.29	0.00	0.00	-278.29
13+00	1300.00	50.00	0.00	0.00	63.71	0.00	0.00	0.00	58.99	0.00	0.00	349.08	0.00	0.00	-349.08
13+50	1350.00	50.00	0.00	0.00	76.36	0.00	0.00	0.00	129.69	0.00	0.00	504.71	0.00	0.00	-504.71
14+00	1400.00	50.00	0.00	0.00	88.30	0.00	0.00	0.00	152.46	0.00	0.00	687.67	0.00	0.00	-687.67
14+40 BK	1439.58	39.58	0.00	0.00	98.97	0.00	0.00	0.00	137.26	0.00	0.00	852.38	0.00	0.00	-852.38
						Column totals	0.00	0.00	710.32	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 6 NW INFIELD (NW)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
487+00 AH	48700.00	0.00	93.16	0.00	2482.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
487+50	48750.00	50.00	142.20	0.00	1282.37	0.00	217.93	0.00	3486.06	0.00	217.93	4183.27	0.00	0.00	-3965.34
488+00	48800.00	50.00	230.78	0.00	145.97	0.00	345.35	0.00	1322.54	0.00	563.28	5770.31	0.00	0.00	-5207.03
488+50	48850.00	50.00	166.98	0.00	18.84	0.00	368.30	0.00	152.60	0.00	931.57	5953.43	0.00	0.00	-5021.86
489+00	48900.00	50.00	14.96	0.00	0.00	0.00	168.46	0.00	17.44	0.00	1100.04	5974.37	0.00	0.00	-4874.33
489+50	48950.00	50.00	118.43	0.00	0.00	0.00	123.51	0.00	0.00	0.00	1223.55	5974.37	0.00	0.00	-4750.82
490+00	49000.00	50.00	227.60	0.00	0.00	0.00	320.40	0.00	0.00	0.00	1543.94	5974.37	0.00	0.00	-4430.42
490+50	49050.00	50.00	210.87	0.00	0.00	0.00	405.99	0.00	0.00	0.00	1949.94	5974.37	0.00	0.00	-4024.43
491+00	49100.00	50.00	15.44	0.00	0.00	0.00	209.55	0.00	0.00	0.00	2159.48	5974.37	0.00	0.00	-3814.89
491+50	49150.00	50.00	0.00	0.00	6.10	0.00	14.30	0.00	5.65	0.00	2173.78	5981.14	0.00	0.00	-3807.37
491+60 BK	49160.45	10.45	0.01	0.00	3.10	0.00	0.00	0.00	1.78	0.00	2173.78	5983.28	0.00	0.00	-3809.50
		Column totals					2173.78	0.00	4986.07	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 NE INFIELD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
793+90 AH	79390.00	0.00	44.65	0.00	6.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
794+00	79400.00	10.00	576.24	0.00	1104.48	1.00	114.98	0.00	205.74	0.00	114.98	246.89	0.00	0.00	-131.91
794+50	79450.00	50.00	665.51	0.00	1003.68	2.00	1149.77	0.00	1952.00	0.00	1264.75	2589.29	0.00	0.00	-1324.55
795+00	79500.00	50.00	945.75	0.00	1092.11	3.00	1491.91	0.00	1940.55	0.00	2756.66	4917.95	0.00	0.00	-2161.29
795+50	79550.00	50.00	982.86	0.00	1127.83	4.00	1785.75	0.00	2055.50	0.00	4542.41	7384.55	0.00	0.00	-2842.14
796+00	79600.00	50.00	1296.68	0.00	844.10	5.00	2110.69	0.00	1825.86	0.00	6653.09	9575.58	0.00	0.00	-2922.49
796+50	79650.00	50.00	1461.50	0.00	728.20	6.00	2553.87	0.00	1455.83	0.00	9206.96	11322.58	0.00	0.00	-2115.62
797+00	79700.00	50.00	861.05	0.00	1042.87	7.00	2150.51	0.00	1639.88	0.00	11357.47	13290.44	0.00	0.00	-1932.97
797+50	79750.00	50.00	51.11	0.00	2495.69	8.00	844.59	0.00	3276.44	0.00	12202.06	17222.17	0.00	0.00	-5020.11
798+00	79800.00	50.00	0.07	0.00	3000.71	9.00	47.39	0.00	5089.26	0.00	12249.45	23329.28	0.00	0.00	-11079.83
798+50	79850.00	50.00	3.00	0.00	615.73	10.00	2.84	0.00	3348.56	0.00	12252.29	27347.55	0.00	0.00	-15095.25
799+00	79900.00	50.00	0.00	0.00	907.52	11.00	2.78	0.00	1410.42	0.00	12255.07	29040.05	0.00	0.00	-16784.98
799+50 BK	79950.00	50.00	0.00	0.00	6.99	0.00	0.00	0.00	846.77	0.00	12255.07	30056.17	0.00	0.00	-17801.10
						Column totals	12255.07	0.00	25046.81	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 6 SW CORE POND (PSW)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 6
10+01 AH	1001.00	0.00	790.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+50	1050.00	49.00	3875.98	0.00	0.00	0.00	4234.59	0.00	0.00	0.00	4234.59	0.00	0.00	0.00	4234.59
11+00	1100.00	50.00	6134.44	0.00	0.62	0.00	9268.91	0.00	0.57	0.00	13503.50	0.69	0.00	0.00	13502.81
11+50	1150.00	50.00	5275.17	0.00	5.62	0.00	10564.45	0.00	5.78	0.00	24067.95	7.62	0.00	0.00	24060.33
12+00	1200.00	50.00	2260.30	0.00	60.77	0.00	6977.29	0.00	61.47	0.00	31045.24	81.39	0.00	0.00	30963.85
12+50	1250.00	50.00	4641.17	0.00	29.58	0.00	6390.25	0.00	83.66	0.00	37435.49	181.78	0.00	0.00	37253.71
13+00	1300.00	50.00	9015.36	0.00	60.79	0.00	12644.94	0.00	83.68	0.00	50080.42	282.19	0.00	0.00	49798.23
13+50	1350.00	50.00	10963.67	0.00	0.00	0.00	18499.10	0.00	56.29	0.00	68579.52	349.73	0.00	0.00	68229.79
14+00	1400.00	50.00	10744.42	0.00	72.75	0.00	20100.08	0.00	67.36	0.00	88679.61	430.57	0.00	0.00	88249.04
14+50	1450.00	50.00	2908.63	0.00	0.00	0.00	12641.71	0.00	67.36	0.00	101321.32	511.40	0.00	0.00	100809.92
14+95 BK	1495.00	45.00	16.79	0.00	0.00	0.00	2437.85	0.00	0.00	0.00	103759.17	511.40	0.00	0.00	103247.77
						Column totals	103759.17	0.00	426.17	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill	Cumulative Vol (CY) Expanded EBS Backfill	Cumulative Vol (CY) Reduced EBS In Fill	Mass Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
191+50 AH	19150.00	0.00	44.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192+00	19200.00	50.00	46.28	0.00	0.00	0.00	83.69	0.00	0.00	0.00	83.69	0.00	0.00	0.00	83.69
192+50	19250.00	50.00	55.31	0.00	0.00	0.00	94.06	0.00	0.00	0.00	177.76	0.00	0.00	0.00	177.76
193+00	19300.00	50.00	55.27	0.00	0.00	0.00	102.39	0.00	0.00	0.00	280.15	0.00	0.00	0.00	280.15
193+50	19350.00	50.00	56.71	0.00	0.00	0.00	103.69	0.00	0.00	0.00	383.83	0.00	0.00	0.00	383.83
194+00	19400.00	50.00	56.11	0.00	0.00	0.00	104.46	0.00	0.00	0.00	488.30	0.00	0.00	0.00	488.30
194+50	19450.00	50.00	55.29	0.00	0.00	0.00	103.15	0.00	0.00	0.00	591.44	0.00	0.00	0.00	591.44
195+00	19500.00	50.00	55.31	0.00	0.00	0.00	102.41	0.00	0.00	0.00	693.85	0.00	0.00	0.00	693.85
195+50	19550.00	50.00	55.18	0.00	0.00	0.00	102.31	0.00	0.00	0.00	796.16	0.00	0.00	0.00	796.16
196+00	19600.00	50.00	43.42	0.00	0.00	0.00	91.30	0.00	0.00	0.00	887.45	0.00	0.00	0.00	887.45
196+50	19650.00	50.00	43.26	0.00	0.00	0.00	80.26	0.00	0.00	0.00	967.71	0.00	0.00	0.00	967.71
197+00	19700.00	50.00	42.89	0.00	0.00	0.00	79.77	0.00	0.00	0.00	1047.48	0.00	0.00	0.00	1047.48
197+50	19750.00	50.00	42.46	0.00	0.00	0.00	79.03	0.00	0.00	0.00	1126.51	0.00	0.00	0.00	1126.51
198+00	19800.00	50.00	42.73	0.00	0.00	0.00	78.88	0.00	0.00	0.00	1205.39	0.00	0.00	0.00	1205.39
198+50	19850.00	50.00	42.77	0.00	0.00	0.00	79.17	0.00	0.00	0.00	1284.56	0.00	0.00	0.00	1284.56
199+00	19900.00	50.00	43.14	0.00	0.00	0.00	79.55	0.00	0.00	0.00	1364.10	0.00	0.00	0.00	1364.10
199+50	19950.00	50.00	42.92	0.00	0.00	0.00	79.69	0.00	0.00	0.00	1443.79	0.00	0.00	0.00	1443.79
200+00	20000.00	50.00	42.71	0.00	0.00	0.00	79.29	0.00	0.00	0.00	1523.07	0.00	0.00	0.00	1523.07
200+50	20050.00	50.00	42.11	0.00	0.00	0.00	78.54	0.00	0.00	0.00	1601.61	0.00	0.00	0.00	1601.61
201+00	20100.00	50.00	42.17	0.00	0.00	0.00	78.04	0.00	0.00	0.00	1679.65	0.00	0.00	0.00	1679.65
201+50	20150.00	50.00	42.41	0.00	0.00	0.00	78.31	0.00	0.00	0.00	1757.96	0.00	0.00	0.00	1757.96
202+00	20200.00	50.00	39.45	0.00	0.00	0.00	75.80	0.00	0.00	0.00	1833.76	0.00	0.00	0.00	1833.76
202+50	20250.00	50.00	36.25	0.00	0.00	0.00	70.09	0.00	0.00	0.00	1903.85	0.00	0.00	0.00	1903.85
203+00	20300.00	50.00	36.28	0.00	0.00	0.00	67.16	0.00	0.00	0.00	1971.01	0.00	0.00	0.00	1971.01
203+50	20350.00	50.00	42.02	0.00	0.00	0.00	72.50	0.00	0.00	0.00	2043.51	0.00	0.00	0.00	2043.51
204+00	20400.00	50.00	42.36	0.00	0.00	0.00	78.13	0.00	0.00	0.00	2121.64	0.00	0.00	0.00	2121.64
204+50	20450.00	50.00	43.19	0.00	0.00	0.00	79.21	0.00	0.00	0.00	2200.85	0.00	0.00	0.00	2200.85
205+00	20500.00	50.00	43.45	0.00	0.00	0.00	80.22	0.00	0.00	0.00	2281.07	0.00	0.00	0.00	2281.07
205+50	20550.00	50.00	44.51	0.00	0.00	0.00	81.44	0.00	0.00	0.00	2362.52	0.00	0.00	0.00	2362.52

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew176 PLOT SCALE : 1:1

(CONTINUED)

Division 7 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
206+00	20600.00	50.00	3.74	0.00	0.03	0.00	44.68	0.00	0.03	0.00	2407.19	0.03	0.00	0.00	2407.16
206+50	20650.00	50.00	3.67	0.00	0.06	0.00	6.86	0.00	0.08	0.00	2414.06	0.13	0.00	0.00	2413.92
207+00	20700.00	50.00	3.54	0.00	0.01	0.00	6.68	0.00	0.06	0.00	2420.73	0.21	0.00	0.00	2420.52
207+50	20750.00	50.00	5.18	0.00	0.00	0.00	8.07	0.00	0.01	0.00	2428.81	0.22	0.00	0.00	2428.58
208+00	20800.00	50.00	6.69	0.00	0.00	0.00	10.99	0.00	0.00	0.00	2439.80	0.22	0.00	0.00	2439.57
208+50 BK	20850.00	50.00	8.91	0.00	0.00	0.00	14.44	0.00	0.00	0.00	2454.24	0.22	0.00	0.00	2454.02
314+34 AH	31433.80	0.00	364.81	0.00	73.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314+50	31450.00	16.20	331.17	0.00	81.64	0.00	208.79	0.00	46.42	0.00	208.79	55.70	0.00	0.00	153.09
315+00	31500.00	50.00	276.30	0.00	73.18	0.00	562.47	0.00	143.35	0.00	771.27	227.73	0.00	0.00	543.54
315+50	31550.00	50.00	320.00	0.00	14.51	0.00	552.13	0.00	81.19	0.00	1323.40	325.16	0.00	0.00	998.24
316+00	31600.00	50.00	185.56	0.00	5.88	0.00	468.11	0.00	18.88	0.00	1791.51	347.81	0.00	0.00	1443.69
316+50	31650.00	50.00	141.07	0.00	6.50	0.00	302.44	0.00	11.46	0.00	2093.94	361.57	0.00	0.00	1732.37
317+00	31700.00	50.00	118.60	0.00	6.96	0.00	240.44	0.00	12.46	0.00	2334.38	376.53	0.00	0.00	1957.85
317+50	31750.00	50.00	94.88	0.00	0.00	0.00	197.67	0.00	6.44	0.00	2532.04	384.26	0.00	0.00	2147.79
318+00	31800.00	50.00	73.30	0.00	0.00	0.00	155.72	0.00	0.00	0.00	2687.77	384.26	0.00	0.00	2303.51
318+50	31850.00	50.00	60.81	0.00	0.00	0.00	124.18	0.00	0.00	0.00	2811.94	384.26	0.00	0.00	2427.68
319+00	31900.00	50.00	50.44	0.00	0.10	0.00	103.01	0.00	0.09	0.00	2914.95	384.37	0.00	0.00	2530.58
319+50	31950.00	50.00	40.56	0.00	1.17	0.00	84.26	0.00	1.18	0.00	2999.21	385.78	0.00	0.00	2613.43
320+00 BK	32000.00	50.00	25.05	0.00	2.21	0.00	60.75	0.00	3.13	0.00	3059.96	389.54	0.00	0.00	2670.42
Column totals							5514.20	0.00	324.80	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 7 USH 45 SB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	Ordinate
											1.00	1.2	1.30	0.80	
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
191+50 AH	19150.00	0.00	45.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
192+00	19200.00	50.00	42.73	0.00	0.00	0.00	81.32	0.00	0.00	0.00	81.32	0.00	0.00	0.00	81.32
192+50	19250.00	50.00	37.99	0.00	0.00	0.00	74.74	0.00	0.00	0.00	156.06	0.00	0.00	0.00	156.06
193+00	19300.00	50.00	36.69	0.00	0.00	0.00	69.15	0.00	0.00	0.00	225.21	0.00	0.00	0.00	225.21
193+50	19350.00	50.00	36.38	0.00	0.00	0.00	67.66	0.00	0.00	0.00	292.87	0.00	0.00	0.00	292.87
194+00	19400.00	50.00	35.87	0.00	0.00	0.00	66.90	0.00	0.00	0.00	359.77	0.00	0.00	0.00	359.77
194+50	19450.00	50.00	36.11	0.00	0.00	0.00	66.65	0.00	0.00	0.00	426.42	0.00	0.00	0.00	426.42
195+00	19500.00	50.00	36.57	0.00	0.00	0.00	67.30	0.00	0.00	0.00	493.71	0.00	0.00	0.00	493.71
195+50	19550.00	50.00	37.13	0.00	0.00	0.00	68.24	0.00	0.00	0.00	561.95	0.00	0.00	0.00	561.95
196+00	19600.00	50.00	49.01	0.00	0.00	0.00	79.76	0.00	0.00	0.00	641.71	0.00	0.00	0.00	641.71
196+50	19650.00	50.00	49.25	0.00	0.00	0.00	90.98	0.00	0.00	0.00	732.69	0.00	0.00	0.00	732.69
197+00	19700.00	50.00	51.24	0.00	0.00	0.00	93.05	0.00	0.00	0.00	825.74	0.00	0.00	0.00	825.74
197+50	19750.00	50.00	51.25	0.00	0.00	0.00	94.90	0.00	0.00	0.00	920.64	0.00	0.00	0.00	920.64
198+00	19800.00	50.00	51.80	0.00	0.00	0.00	95.42	0.00	0.00	0.00	1016.06	0.00	0.00	0.00	1016.06
198+50	19850.00	50.00	53.06	0.00	0.00	0.00	97.09	0.00	0.00	0.00	1113.15	0.00	0.00	0.00	1113.15
199+00	19900.00	50.00	54.54	0.00	0.00	0.00	99.63	0.00	0.00	0.00	1212.78	0.00	0.00	0.00	1212.78
199+50	19950.00	50.00	53.28	0.00	0.00	0.00	99.83	0.00	0.00	0.00	1312.61	0.00	0.00	0.00	1312.61
200+00	20000.00	50.00	55.67	0.00	0.00	0.00	100.88	0.00	0.00	0.00	1413.49	0.00	0.00	0.00	1413.49
200+50	20050.00	50.00	57.31	0.00	0.00	0.00	104.61	0.00	0.00	0.00	1518.10	0.00	0.00	0.00	1518.10
201+00	20100.00	50.00	57.97	0.00	0.00	0.00	106.74	0.00	0.00	0.00	1624.84	0.00	0.00	0.00	1624.84
201+50	20150.00	50.00	59.58	0.00	0.00	0.00	108.84	0.00	0.00	0.00	1733.69	0.00	0.00	0.00	1733.69
202+00	20200.00	50.00	51.41	0.00	0.00	0.00	102.77	0.00	0.00	0.00	1836.45	0.00	0.00	0.00	1836.45
202+50	20250.00	50.00	51.02	0.00	0.00	0.00	94.84	0.00	0.00	0.00	1931.30	0.00	0.00	0.00	1931.30
203+00	20300.00	50.00	51.94	0.00	0.00	0.00	95.33	0.00	0.00	0.00	2026.63	0.00	0.00	0.00	2026.63
203+50	20350.00	50.00	58.88	0.00	0.00	0.00	102.61	0.00	0.00	0.00	2129.24	0.00	0.00	0.00	2129.24
204+00	20400.00	50.00	57.67	0.00	0.00	0.00	107.92	0.00	0.00	0.00	2237.16	0.00	0.00	0.00	2237.16
204+50	20450.00	50.00	57.42	0.00	0.00	0.00	106.56	0.00	0.00	0.00	2343.72	0.00	0.00	0.00	2343.72
205+00	20500.00	50.00	57.19	0.00	0.00	0.00	106.12	0.00	0.00	0.00	2449.84	0.00	0.00	0.00	2449.84
205+50	20550.00	50.00	56.78	0.00	0.00	0.00	105.53	0.00	0.00	0.00	2555.37	0.00	0.00	0.00	2555.37
206+00	20600.00	50.00	56.67	0.00	0.00	0.00	105.05	0.00	0.00	0.00	2660.42	0.00	0.00	0.00	2660.42
206+50	20650.00	50.00	55.37	0.00	0.00	0.00	103.74	0.00	0.00	0.00	2764.16	0.00	0.00	0.00	2764.16
206+97	20697.00	47.00	57.68	0.00	0.00	0.00	98.40	0.00	0.00	0.00	2862.55	0.00	0.00	0.00	2862.55

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 7 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
206+97	20697.00	0.00	152.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2862.55	0.00	0.00	0.00	2862.55
207+00	20700.00	3.00	117.29	0.00	0.00	0.00	15.01	0.00	0.00	0.00	2877.57	0.00	0.00	0.00	2877.57
207+50	20750.00	50.00	150.39	0.00	0.00	0.00	247.85	0.00	0.00	0.00	3125.42	0.00	0.00	0.00	3125.42
208+00	20800.00	50.00	137.88	0.00	0.00	0.00	266.92	0.00	0.00	0.00	3392.33	0.00	0.00	0.00	3392.33
208+05	20805.00	5.00	98.79	0.00	0.00	0.00	21.91	0.00	0.00	0.00	3414.25	0.00	0.00	0.00	3414.25
208+05	20805.00	0.00	113.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3414.25	0.00	0.00	0.00	3414.25
208+50	20850.00	45.00	113.77	0.00	0.00	0.00	189.06	0.00	0.00	0.00	3603.31	0.00	0.00	0.00	3603.31
209+00	20900.00	50.00	115.24	0.00	0.01	0.00	212.05	0.00	0.01	0.00	3815.35	0.01	0.00	0.00	3815.34
209+50	20950.00	50.00	143.60	0.00	0.00	0.00	239.67	0.00	0.01	0.00	4055.02	0.02	0.00	0.00	4055.00
210+00	21000.00	50.00	146.68	0.00	0.00	0.00	268.78	0.00	0.00	0.00	4323.80	0.02	0.00	0.00	4323.77
210+50	21050.00	50.00	150.57	0.00	0.00	0.00	275.23	0.00	0.00	0.00	4599.03	0.02	0.00	0.00	4599.01
211+00	21100.00	50.00	152.51	0.00	0.00	0.00	282.43	0.00	0.00	0.00	4881.45	0.02	0.00	0.00	4881.43
211+00	21100.00	0.00	122.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4881.45	0.02	0.00	0.00	4881.43
211+50	21150.00	50.00	123.02	0.00	0.00	0.00	227.23	0.00	0.00	0.00	5108.69	0.02	0.00	0.00	5108.66
212+00	21200.00	50.00	119.72	0.00	0.00	0.00	224.76	0.00	0.00	0.00	5333.45	0.02	0.00	0.00	5333.42
212+50	21250.00	50.00	112.52	0.00	0.00	0.00	215.04	0.00	0.00	0.00	5548.48	0.02	0.00	0.00	5548.46
213+00	21300.00	50.00	101.49	0.00	0.00	0.00	198.16	0.00	0.00	0.00	5746.64	0.02	0.00	0.00	5746.62
213+50	21350.00	50.00	86.29	0.00	0.00	0.00	173.87	0.00	0.00	0.00	5920.51	0.02	0.00	0.00	5920.49
214+00	21400.00	50.00	66.47	0.00	0.00	0.00	141.44	0.00	0.00	0.00	6061.95	0.02	0.00	0.00	6061.93
214+00	21400.00	0.00	51.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6061.95	0.02	0.00	0.00	6061.93
214+50	21450.00	50.00	36.30	0.00	0.00	0.00	80.97	0.00	0.00	0.00	6142.93	0.02	0.00	0.00	6142.90
215+00	21500.00	50.00	25.45	0.00	0.00	0.00	57.18	0.00	0.00	0.00	6200.10	0.02	0.00	0.00	6200.08
215+50	21550.00	50.00	19.52	0.00	0.00	0.00	41.64	0.00	0.00	0.00	6241.74	0.02	0.00	0.00	6241.72
216+00	21600.00	50.00	15.81	0.00	0.00	0.00	32.71	0.00	0.00	0.00	6274.45	0.02	0.00	0.00	6274.43
216+50	21650.00	50.00	9.42	0.00	0.00	0.00	23.36	0.00	0.00	0.00	6297.82	0.02	0.00	0.00	6297.79
217+00 BK	21700.00	50.00	5.26	0.00	0.43	0.00	13.59	0.00	0.40	0.00	6311.41	0.50	0.00	0.00	6310.91

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 7 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
269+00 AH	26900.00	0.00	18.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
269+50	26950.00	50.00	15.27	0.00	0.01	0.00	31.35	0.00	0.01	0.00	31.35	0.01	0.00	0.00	31.34
270+00	27000.00	50.00	11.24	0.00	0.01	0.00	24.55	0.00	0.02	0.00	55.90	0.03	0.00	0.00	55.86
270+50	27050.00	50.00	7.20	0.00	0.01	0.00	17.07	0.00	0.02	0.00	72.97	0.06	0.00	0.00	72.92
271+00	27100.00	50.00	3.96	0.00	0.01	0.00	10.33	0.00	0.02	0.00	83.31	0.08	0.00	0.00	83.23
271+50	27150.00	50.00	0.88	0.00	0.33	0.00	4.48	0.00	0.31	0.00	87.79	0.46	0.00	0.00	87.33
272+00	27200.00	50.00	0.00	0.00	3.36	0.00	0.81	0.00	3.42	0.00	88.60	4.56	0.00	0.00	84.05
272+50	27250.00	50.00	0.00	0.00	7.43	0.00	0.00	0.00	9.99	0.00	88.60	16.54	0.00	0.00	72.06
273+00	27300.00	50.00	0.00	0.00	13.04	0.00	0.00	0.00	18.95	0.00	88.60	39.29	0.00	0.00	49.31
273+22 BK	27322.40	22.40	0.00	0.00	14.30	0.00	0.00	0.00	11.34	0.00	88.60	52.90	0.00	0.00	35.70
						Column totals	6400.01	0.00	44.50	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 7 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
88+00 AH	8800	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88+50	8850	50.00	47.39	0.00	0.00	0.00	90.18	0.00	0.00	0.00	90.18	0.00	0.00	0.00	90.18
89+00	8900	50.00	48.42	0.00	0.00	0.00	88.71	0.00	0.00	0.00	178.89	0.00	0.00	0.00	178.89
89+50	8950	50.00	48.67	0.00	0.00	0.00	89.90	0.00	0.00	0.00	268.79	0.00	0.00	0.00	268.79
90+00	9000	50.00	48.02	0.00	0.00	0.00	89.53	0.00	0.00	0.00	358.31	0.00	0.00	0.00	358.31
90+50	9050	50.00	45.80	0.00	0.00	0.00	86.87	0.00	0.00	0.00	445.19	0.00	0.00	0.00	445.19
91+00	9100	50.00	42.30	0.00	0.00	0.00	81.57	0.00	0.00	0.00	526.76	0.00	0.00	0.00	526.76
91+50	9150	50.00	39.46	0.00	0.00	0.00	75.70	0.00	0.00	0.00	602.46	0.00	0.00	0.00	602.46
92+00	9200	50.00	35.62	0.00	0.00	0.00	69.52	0.00	0.00	0.00	671.98	0.00	0.00	0.00	671.98
92+50	9250	50.00	33.42	0.00	0.00	0.00	63.93	0.00	0.00	0.00	735.91	0.00	0.00	0.00	735.91
93+00	9300	50.00	29.00	0.00	0.00	0.00	57.80	0.00	0.00	0.00	793.70	0.00	0.00	0.00	793.70
93+50 BK	9350	50.00	23.57	0.00	0.01	0.00	48.68	0.00	0.01	0.00	842.38	0.01	0.00	0.00	842.37
					Column totals		842.38	0.00	0.01	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	EARTHWORK	SHEET:	E

Division 7 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
117+00 AH	11700.00	0.00	0.00	0.00	116.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117+50	11750.00	50.00	0.00	0.00	126.61	0.00	0.00	0.00	225.43	0.00	0.00	270.51	0.00	0.00	-270.51
118+00	11800.00	50.00	0.00	0.00	132.82	0.00	0.00	0.00	240.21	0.00	0.00	558.77	0.00	0.00	-558.77
118+50	11850.00	50.00	0.00	0.00	135.99	0.00	0.00	0.00	248.90	0.00	0.00	857.44	0.00	0.00	-857.44
119+00	11900.00	50.00	0.00	0.00	135.11	0.00	0.00	0.00	251.02	0.00	0.00	1158.67	0.00	0.00	-1158.67
119+50	11950.00	50.00	0.00	0.00	132.18	0.00	0.00	0.00	247.49	0.00	0.00	1455.66	0.00	0.00	-1455.66
120+00	12000.00	50.00	0.00	0.00	129.12	0.00	0.00	0.00	241.94	0.00	0.00	1745.99	0.00	0.00	-1745.99
120+50	12050.00	50.00	0.00	0.00	124.03	0.00	0.00	0.00	234.40	0.00	0.00	2027.27	0.00	0.00	-2027.27
121+00	12100.00	50.00	0.00	0.00	116.46	0.00	0.00	0.00	222.68	0.00	0.00	2294.48	0.00	0.00	-2294.48
121+50	12150.00	50.00	0.00	0.00	108.27	0.00	0.00	0.00	208.08	0.00	0.00	2544.18	0.00	0.00	-2544.18
122+00	12200.00	50.00	0.00	0.00	100.14	0.00	0.00	0.00	192.97	0.00	0.00	2775.74	0.00	0.00	-2775.74
122+50	12250.00	50.00	0.00	0.00	90.86	0.00	0.00	0.00	176.85	0.00	0.00	2987.97	0.00	0.00	-2987.97
123+00	12300.00	50.00	0.00	0.00	81.92	0.00	0.00	0.00	159.98	0.00	0.00	3179.94	0.00	0.00	-3179.94
123+50	12350.00	50.00	0.00	0.00	72.10	0.00	0.00	0.00	142.61	0.00	0.00	3351.08	0.00	0.00	-3351.08
124+00	12400.00	50.00	0.00	0.00	62.23	0.00	0.00	0.00	124.38	0.00	0.00	3500.33	0.00	0.00	-3500.33
124+50	12450.00	50.00	0.00	0.00	52.35	0.00	0.00	0.00	106.09	0.00	0.00	3627.64	0.00	0.00	-3627.64
125+00	12500.00	50.00	0.00	0.00	43.10	0.00	0.00	0.00	88.38	0.00	0.00	3733.70	0.00	0.00	-3733.70
125+50	12550.00	50.00	0.00	0.00	49.09	0.00	0.00	0.00	85.36	0.00	0.00	3836.13	0.00	0.00	-3836.13
126+00	12600.00	50.00	0.00	0.00	40.42	0.00	0.00	0.00	82.88	0.00	0.00	3935.59	0.00	0.00	-3935.59
126+50	12650.00	50.00	0.00	0.00	33.94	0.00	0.00	0.00	68.85	0.00	0.00	4018.21	0.00	0.00	-4018.21
126+86	12685.83	35.83	0.00	0.00	149.19	0.00	0.00	0.00	121.51	0.00	0.00	4164.02	0.00	0.00	-4164.02
128+66 BK	12865.50	179.67	0.00	0.00	475.09	0.00	0.00	0.00	2077.12	0.00	0.00	6656.57	0.00	0.00	-6656.57
Column totals							0.00	0.00	5547.14	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 IH 94 EB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
147+00 AH	14700.00	0.00	21.17	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147+50	14750.00	50.00	25.38	0.00	0.03	0.00	43.10	0.00	0.19	0.00	43.10	0.22	0.00	0.00	42.88
148+00	14800.00	50.00	29.23	0.00	0.02	0.00	50.56	0.00	0.05	0.00	93.67	0.28	0.00	0.00	93.39
148+50	14850.00	50.00	30.36	0.00	0.01	0.00	55.18	0.00	0.03	0.00	148.84	0.31	0.00	0.00	148.53
149+00	14900.00	50.00	31.51	0.00	0.01	0.00	57.29	0.00	0.02	0.00	206.13	0.33	0.00	0.00	205.80
149+50	14950.00	50.00	33.09	0.00	0.01	0.00	59.81	0.00	0.02	0.00	265.94	0.36	0.00	0.00	265.59
150+00	15000.00	50.00	35.41	0.00	0.01	0.00	63.43	0.00	0.02	0.00	329.37	0.38	0.00	0.00	328.99
150+50	15050.00	50.00	36.01	0.00	0.01	0.00	66.13	0.00	0.02	0.00	395.50	0.40	0.00	0.00	395.10
151+00	15100.00	50.00	36.01	0.00	0.01	0.00	66.69	0.00	0.02	0.00	462.19	0.42	0.00	0.00	461.76
151+50	15150.00	50.00	36.01	0.00	0.01	0.00	66.69	0.00	0.02	0.00	528.87	0.44	0.00	0.00	528.43
152+00	15200.00	50.00	36.01	0.00	0.01	0.00	66.69	0.00	0.02	0.00	595.56	0.47	0.00	0.00	595.09
152+50	15250.00	50.00	36.00	0.00	0.01	0.00	66.68	0.00	0.02	0.00	662.23	0.49	0.00	0.00	661.74
152+95 BK	15294.99	44.99	45.30	0.00	0.00	0.00	67.73	0.00	0.01	0.00	729.97	0.50	0.00	0.00	729.47
						Column totals	729.97	0.00	0.42	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 7 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
88+00 AH	8800.00	0.00	111.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88+50	8850.00	50.00	111.53	0.00	0.00	0.00	206.27	0.00	0.00	0.00	206.27	0.00	0.00	0.00	206.27
89+00	8900.00	50.00	111.82	0.00	0.00	0.00	206.81	0.00	0.00	0.00	413.07	0.00	0.00	0.00	413.07
89+00	8900.00	0.00	83.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	413.07	0.00	0.00	0.00	413.07
89+50	8950.00	50.00	83.41	0.00	0.00	0.00	154.52	0.00	0.00	0.00	567.59	0.00	0.00	0.00	567.59
90+00	9000.00	50.00	82.34	0.00	0.00	0.00	153.47	0.00	0.00	0.00	721.06	0.00	0.00	0.00	721.06
90+50	9050.00	50.00	80.10	0.00	0.00	0.00	150.41	0.00	0.00	0.00	871.47	0.00	0.00	0.00	871.47
91+00	9100.00	50.00	74.70	0.00	0.00	0.00	143.33	0.00	0.00	0.00	1014.81	0.00	0.00	0.00	1014.81
91+00	9100.00	0.00	44.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1014.81	0.00	0.00	0.00	1014.81
91+50	9150.00	50.00	40.95	0.00	0.00	0.00	78.81	0.00	0.00	0.00	1093.62	0.00	0.00	0.00	1093.62
92+00	9200.00	50.00	37.73	0.00	0.00	0.00	72.85	0.00	0.00	0.00	1166.47	0.00	0.00	0.00	1166.47
92+50	9250.00	50.00	35.38	0.00	0.00	0.00	67.69	0.00	0.00	0.00	1234.17	0.00	0.00	0.00	1234.17
93+00	9300.00	50.00	31.77	0.00	0.00	0.00	62.18	0.00	0.00	0.00	1296.34	0.00	0.00	0.00	1296.34
93+50	9350.00	50.00	28.10	0.00	0.00	0.00	55.44	0.00	0.00	0.00	1351.78	0.00	0.00	0.00	1351.78
94+00 BK	9400.00	50.00	16.33	0.00	0.01	0.00	41.14	0.00	0.01	0.00	1392.92	0.01	0.00	0.00	1392.91
		Column totals					1392.92	0.00	0.01	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 7 IH 94 WB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
148+65 AH	14865.00	0.00	45.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149+00	14900.00	35.00	43.55	0.00	0.00	0.00	57.44	0.00	0.00	0.00	57.44	0.00	0.00	0.00	57.44
149+50	14950.00	50.00	43.91	0.00	0.00	0.00	80.98	0.00	0.00	0.00	138.42	0.00	0.00	0.00	138.42
150+00	15000.00	50.00	42.98	0.00	0.00	0.00	80.45	0.00	0.00	0.00	218.87	0.00	0.00	0.00	218.87
150+09	15008.73	8.73	42.84	0.00	0.00	0.00	13.87	0.00	0.00	0.00	232.75	0.00	0.00	0.00	232.75
150+50	15050.00	41.27	41.78	0.00	0.00	0.00	64.67	0.00	0.00	0.00	297.42	0.00	0.00	0.00	297.42
151+00	15100.00	50.00	42.68	0.00	0.00	0.00	78.20	0.00	0.00	0.00	375.62	0.00	0.00	0.00	375.62
151+50	15150.00	50.00	42.84	0.00	0.00	0.00	79.19	0.00	0.00	0.00	454.81	0.00	0.00	0.00	454.81
152+00	15200.00	50.00	41.72	0.00	0.00	0.00	78.30	0.00	0.00	0.00	533.11	0.00	0.00	0.00	533.11
152+50	15250.00	50.00	45.29	0.00	0.00	0.00	80.56	0.00	0.00	0.00	613.67	0.00	0.00	0.00	613.67
153+00	15300.00	50.00	48.49	0.00	0.00	0.00	86.83	0.00	0.00	0.00	700.50	0.00	0.00	0.00	700.50
153+50	15350.00	50.00	47.22	0.00	0.00	0.00	88.62	0.00	0.00	0.00	789.12	0.00	0.00	0.00	789.12
154+00	15400.00	50.00	41.70	0.00	0.00	0.00	82.33	0.00	0.00	0.00	871.46	0.00	0.00	0.00	871.46
154+50	15450.00	50.00	37.92	0.00	0.00	0.00	73.72	0.00	0.00	0.00	945.18	0.00	0.00	0.00	945.18
154+74 BK	15474.20	24.20	37.84	0.00	0.00	0.00	33.95	0.00	0.00	0.00	979.13	0.00	0.00	0.00	979.13
					Column totals		979.13	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 7 RAMP WS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
545+30 AH	54530.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
545+50	54550.00	20.00	1.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.41
546+00	54600.00	50.00	3.42	0.00	0.00	0.00	4.09	0.00	0.00	0.00	4.51	0.00	0.00	0.00	4.51
546+50	54650.00	50.00	5.75	0.00	0.00	0.00	8.49	0.00	0.00	0.00	13.00	0.00	0.00	0.00	13.00
547+00	54700.00	50.00	6.99	0.00	0.00	0.00	11.80	0.00	0.00	0.00	24.79	0.00	0.00	0.00	24.79
547+50	54750.00	50.00	7.71	0.00	0.00	0.00	13.61	0.00	0.00	0.00	38.41	0.00	0.00	0.00	38.41
548+00	54800.00	50.00	8.43	0.00	0.00	0.00	14.94	0.00	0.00	0.00	53.35	0.00	0.00	0.00	53.35
548+50	54850.00	50.00	8.94	0.00	0.00	0.00	16.08	0.00	0.00	0.00	69.43	0.00	0.00	0.00	69.43
549+00	54900.00	50.00	9.10	0.00	0.00	0.00	16.70	0.00	0.00	0.00	86.14	0.00	0.00	0.00	86.14
549+50	54950.00	50.00	9.67	0.00	0.00	0.00	17.38	0.00	0.00	0.00	103.52	0.00	0.00	0.00	103.52
550+00	55000.00	50.00	9.41	0.00	0.00	0.00	17.67	0.00	0.00	0.00	121.18	0.00	0.00	0.00	121.18
550+50	55050.00	50.00	8.03	0.00	0.00	0.00	16.15	0.00	0.00	0.00	137.33	0.00	0.00	0.00	137.33
550+86 BK	55085.68	35.68	7.29	0.00	0.00	0.00	10.12	0.00	0.00	0.00	147.45	0.00	0.00	0.00	147.45
					Column totals		147.45	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 RAMP CS

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
569+00 AH	56900.00	0.00	11.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
569+50	56950.00	50.00	8.68	0.00	0.01	0.00	18.77	0.00	0.01	0.00	18.77	0.01	0.00	0.00	18.76
570+00	57000.00	50.00	5.73	0.00	0.01	0.00	13.34	0.00	0.02	0.00	32.11	0.03	0.00	0.00	32.08
570+50	57050.00	50.00	2.10	0.00	0.31	0.00	7.25	0.00	0.30	0.00	39.36	0.39	0.00	0.00	38.97
571+00	57100.00	50.00	0.48	0.00	1.73	0.00	2.39	0.00	1.89	0.00	41.75	2.66	0.00	0.00	39.09
571+50	57150.00	50.00	0.00	0.00	4.65	0.00	0.44	0.00	5.91	0.00	42.19	9.74	0.00	0.00	32.45
572+00	57200.00	50.00	0.00	0.00	7.93	0.00	0.00	0.00	11.65	0.00	42.19	23.72	0.00	0.00	18.47
572+50	57250.00	50.00	0.00	0.00	10.17	0.00	0.00	0.00	16.76	0.00	42.19	43.83	0.00	0.00	-1.64
573+00	57300.00	50.00	0.00	0.00	12.10	0.00	0.00	0.00	20.62	0.00	42.19	68.58	0.00	0.00	-26.38
573+22 BK	57322.00	22.00	0.00	0.00	13.00	0.00	0.00	0.00	10.23	0.00	42.19	80.85	0.00	0.00	-38.65
						Column totals	42.19	0.00	67.37	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
516+05 AH	51605.36	0.00	82.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
516+50	51650.00	44.64	34.01	0.00	0.00	0.00	96.29	0.00	0.00	0.00	96.29	0.00	0.00	0.00	96.29
517+00	51700.00	50.00	34.00	0.00	0.00	0.00	62.97	0.00	0.00	0.00	159.26	0.00	0.00	0.00	159.26
517+02	51702.00	2.00	29.06	0.00	0.00	0.00	2.34	0.00	0.00	0.00	161.60	0.00	0.00	0.00	161.60
517+02	51702.00	0.00	66.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.60	0.00	0.00	0.00	161.60
517+50	51750.00	48.00	68.30	0.00	0.00	0.00	119.61	0.00	0.00	0.00	281.21	0.00	0.00	0.00	281.21
518+00	51800.00	50.00	66.76	0.00	0.00	0.00	125.06	0.00	0.00	0.00	406.26	0.00	0.00	0.00	406.26
518+29	51828.92	28.92	65.55	0.00	0.00	0.00	70.86	0.00	0.00	0.00	477.12	0.00	0.00	0.00	477.12
518+29	51828.92	0.00	104.52	0.00	0.46	0.00	0.00	0.00	0.00	0.00	477.12	0.00	0.00	0.00	477.12
518+50	51850.00	21.08	104.88	0.00	0.00	0.00	81.74	0.00	0.18	0.00	558.87	0.22	0.00	0.00	558.65
519+00	51900.00	50.00	93.31	0.00	0.92	0.00	183.51	0.00	0.85	0.00	742.37	1.24	0.00	0.00	741.14
519+22	51921.59	21.59	76.73	0.00	2.43	0.00	67.98	0.00	1.34	0.00	810.36	2.84	0.00	0.00	807.51
519+22	51921.59	0.00	54.52	0.00	2.47	0.00	0.00	0.00	0.00	0.00	810.36	2.84	0.00	0.00	807.51
519+50	51950.00	28.41	26.66	0.00	14.44	0.00	42.71	0.00	8.90	0.00	853.07	13.52	0.00	0.00	839.55
520+00	52000.00	50.00	0.16	0.00	25.73	0.00	24.83	0.00	37.19	0.00	877.90	58.15	0.00	0.00	819.75
520+50	52050.00	50.00	0.46	0.00	60.28	0.00	0.57	0.00	79.64	0.00	878.48	153.72	0.00	0.00	724.76
521+00	52100.00	50.00	0.00	0.00	93.76	0.00	0.43	0.00	142.63	0.00	878.90	324.88	0.00	0.00	554.03
521+50	52150.00	50.00	0.00	0.00	142.47	0.00	0.00	0.00	218.73	0.00	878.90	587.35	0.00	0.00	291.55
522+00	52200.00	50.00	0.00	0.00	189.51	0.00	0.00	0.00	307.39	0.00	878.90	956.22	0.00	0.00	-77.32
522+50	52250.00	50.00	0.00	0.00	207.54	0.00	0.00	0.00	367.64	0.00	878.90	1397.39	0.00	0.00	-518.49
523+00	52300.00	50.00	0.01	0.00	181.20	0.00	0.01	0.00	359.94	0.00	878.91	1829.32	0.00	0.00	-950.41
523+50	52350.00	50.00	6.18	0.00	196.88	0.00	5.73	0.00	350.07	0.00	884.64	2249.41	0.00	0.00	-1364.77
523+85	52384.67	34.67	0.02	0.00	121.51	0.00	3.98	0.00	204.42	0.00	888.62	2494.71	0.00	0.00	-1606.09
523+85	52384.67	0.00	23.36	0.00	618.12	0.00	0.00	0.00	0.00	0.00	888.62	2494.71	0.00	0.00	-1606.09
524+00	52400.00	15.33	1.20	0.00	687.49	0.00	6.97	0.00	370.65	0.00	895.60	2939.49	0.00	0.00	-2043.89
524+50	52450.00	50.00	0.00	0.00	1028.94	0.00	1.11	0.00	1589.29	0.00	896.71	4846.63	0.00	0.00	-3949.93
525+00	52500.00	50.00	0.00	0.00	1277.79	0.00	0.00	0.00	2135.86	0.00	896.71	7409.67	0.00	0.00	-6512.96
525+00	52500.00	0.00	0.00	0.00	1270.25	0.00	0.00	0.00	0.00	0.00	896.71	7409.67	0.00	0.00	-6512.96
525+24 BK	52524.00	24.00	0.00	0.00	1562.92	0.00	0.00	0.00	1259.19	0.00	896.71	8920.69	0.00	0.00	-8023.98

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 4/30/2015 2:52:31 PM PLOT BY : MSCCEJ PLOT NAME : 090101_ew188 PLOT SCALE : 1:1

(CONTINUED)

Division 7 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
527+00 AH	52700.00	0.00	0.00	0.00	1751.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527+50	52750.00	50.00	14.15	0.00	1610.04	0.00	13.10	0.00	3112.66	0.00	13.10	3735.19	0.00	0.00	-3722.09
528+00	52800.00	50.00	29.95	0.00	1484.65	0.00	40.83	0.00	2865.45	0.00	53.94	7173.73	0.00	0.00	-7119.80
528+50	52850.00	50.00	0.50	0.00	1325.25	0.00	28.19	0.00	2601.76	0.00	82.13	10295.84	0.00	0.00	-10213.71
529+00	52900.00	50.00	0.14	0.00	432.76	0.00	0.59	0.00	1627.79	0.00	82.72	12249.19	0.00	0.00	-12166.47
529+50	52950.00	50.00	1.73	0.00	537.72	0.00	1.73	0.00	898.59	0.00	84.45	13327.50	0.00	0.00	-13243.05
530+00	53000.00	50.00	3.80	0.00	490.33	0.00	5.12	0.00	951.90	0.00	89.57	14469.78	0.00	0.00	-14380.20
530+50	53050.00	50.00	0.06	0.00	249.46	0.00	3.57	0.00	684.99	0.00	93.15	15291.77	0.00	0.00	-15198.62
531+00	53100.00	50.00	64.36	0.00	263.04	0.00	59.65	0.00	474.54	0.00	152.80	15861.21	0.00	0.00	-15708.41
531+50 BK	53150.00	50.00	66.64	0.00	303.91	0.00	121.30	0.00	524.95	0.00	274.09	16491.16	0.00	0.00	-16217.06
541+00 AH	54100.00	0.00	214.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
541+50	54150.00	50.00	203.61	0.00	0.00	0.00	387.11	0.00	0.00	0.00	387.11	0.00	0.00	0.00	387.11
542+00	54200.00	50.00	187.95	0.00	0.00	0.00	362.56	0.00	0.00	0.00	749.67	0.00	0.00	0.00	749.67
542+00	54200.00	0.00	423.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	749.67	0.00	0.00	0.00	749.67
542+50	54250.00	50.00	368.47	0.00	16.43	0.00	733.44	0.00	15.21	0.00	1483.10	18.26	0.00	0.00	1464.85
542+66 BK	54265.62	15.62	361.75	0.00	56.32	0.00	211.22	0.00	21.04	0.00	1694.32	43.51	0.00	0.00	1650.82
Column totals							2865.12	0.00	21212.80	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

9

Division 7 RAMP BB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
806+95 AH	80695.48	0.00	915.92	0.00	37.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
807+00	80700.00	4.52	768.42	0.00	118.25	0.00	140.99	0.00	13.02	0.00	140.99	15.63	0.00	0.00	125.36
807+50	80750.00	50.00	1745.37	0.00	0.00	0.00	2327.58	0.00	109.49	0.00	2468.57	147.02	0.00	0.00	2321.55
808+00	80800.00	50.00	1853.13	0.00	0.00	0.00	3331.94	0.00	0.00	0.00	5800.51	147.02	0.00	0.00	5653.50
808+50	80850.00	50.00	1554.14	0.00	0.00	0.00	3154.88	0.00	0.00	0.00	8955.39	147.02	0.00	0.00	8808.38
809+00	80900.00	50.00	1222.80	0.00	10.12	0.00	2571.24	0.00	9.37	0.00	11526.63	158.26	0.00	0.00	11368.37
809+50	80950.00	50.00	1259.67	0.00	1.06	0.00	2298.58	0.00	10.35	0.00	13825.22	170.68	0.00	0.00	13654.53
810+00	81000.00	50.00	1211.63	0.00	2.93	0.00	2288.24	0.00	3.69	0.00	16113.46	175.12	0.00	0.00	15938.34
810+50	81050.00	50.00	1224.59	0.00	1.19	0.00	2255.76	0.00	3.81	0.00	18369.22	179.69	0.00	0.00	18189.52
811+00	81100.00	50.00	1259.22	0.00	0.08	0.00	2299.82	0.00	1.18	0.00	20669.04	181.11	0.00	0.00	20487.94
811+50	81150.00	50.00	1257.14	0.00	0.00	0.00	2329.96	0.00	0.07	0.00	22999.00	181.19	0.00	0.00	22817.81
812+00	81200.00	50.00	1158.44	0.00	0.00	0.00	2236.65	0.00	0.00	0.00	25235.65	181.19	0.00	0.00	25054.46
812+50	81250.00	50.00	987.07	0.00	0.00	0.00	1986.58	0.00	0.00	0.00	27222.24	181.19	0.00	0.00	27041.04
813+00	81300.00	50.00	819.68	0.00	0.86	0.00	1672.92	0.00	0.80	0.00	28895.15	182.15	0.00	0.00	28713.00
813+50	81350.00	50.00	657.11	0.00	2.31	0.00	1367.40	0.00	2.94	0.00	30262.55	185.67	0.00	0.00	30076.88
814+00	81400.00	50.00	494.57	0.00	6.25	0.00	1066.37	0.00	7.93	0.00	31328.92	195.18	0.00	0.00	31133.74
814+50	81450.00	50.00	351.71	0.00	25.39	0.00	783.59	0.00	29.30	0.00	32112.51	230.34	0.00	0.00	31882.17
815+00	81500.00	50.00	214.94	0.00	57.90	0.00	524.68	0.00	77.12	0.00	32637.19	322.88	0.00	0.00	32314.31
815+50	81550.00	50.00	120.65	0.00	65.81	0.00	310.73	0.00	114.55	0.00	32947.92	460.34	0.00	0.00	32487.58
816+00	81600.00	50.00	18.72	0.00	244.15	0.00	129.05	0.00	287.00	0.00	33076.97	804.74	0.00	0.00	32272.23
816+50	81650.00	50.00	14.88	0.00	198.33	0.00	31.11	0.00	409.70	0.00	33108.08	1296.38	0.00	0.00	31811.69
817+00	81700.00	50.00	21.87	0.00	223.87	0.00	34.03	0.00	390.93	0.00	33142.11	1765.49	0.00	0.00	31376.61
817+50	81750.00	50.00	76.30	0.00	264.41	0.00	90.90	0.00	452.11	0.00	33233.00	2308.03	0.00	0.00	30924.98
818+00	81800.00	50.00	5.03	0.00	27.76	0.00	75.31	0.00	270.53	0.00	33308.31	2632.66	0.00	0.00	30675.65
818+50	81850.00	50.00	6.91	0.00	20.19	0.00	11.06	0.00	44.40	0.00	33319.37	2685.94	0.00	0.00	30633.43
819+00	81900.00	50.00	12.98	0.00	11.40	0.00	18.42	0.00	29.25	0.00	33337.78	2721.04	0.00	0.00	30616.74
819+50	81950.00	50.00	16.54	0.00	13.64	0.00	27.33	0.00	23.19	0.00	33365.12	2748.86	0.00	0.00	30616.25
820+00	82000.00	50.00	15.87	0.00	15.45	0.00	30.01	0.00	26.94	0.00	33395.12	2781.18	0.00	0.00	30613.94
820+50	82050.00	50.00	15.06	0.00	16.60	0.00	28.64	0.00	29.68	0.00	33423.76	2816.79	0.00	0.00	30606.97
821+00	82100.00	50.00	8.85	0.00	18.51	0.00	22.14	0.00	32.51	0.00	33445.90	2855.81	0.00	0.00	30590.10
821+50	82150.00	50.00	13.20	0.00	19.99	0.00	20.42	0.00	35.65	0.00	33466.32	2898.58	0.00	0.00	30567.74
822+00	82200.00	50.00	24.06	0.00	20.35	0.00	34.50	0.00	37.35	0.00	33500.82	2943.41	0.00	0.00	30557.41
822+48 BK	82248.26	48.26	131.86	0.00	0.14	0.00	139.35	0.00	18.31	0.00	33640.17	2965.38	0.00	0.00	30674.78
						Column totals	33640.17	0.00	2471.15	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 RAMP FH

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
800+73 AH	80072.72	0.00	133.03	0.00	74.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
801+00	80100.00	27.28	120.69	0.00	63.55	0.00	128.18	0.00	69.88	0.00	128.18	83.85	0.00	0.00	44.32
801+13	80113.22	13.22	104.51	0.00	0.00	0.00	55.13	0.00	15.56	0.00	183.31	102.52	0.00	0.00	80.79
801+13	80113.22	0.00	125.31	0.00	825.17	0.00	0.00	0.00	0.00	0.00	183.31	102.52	0.00	0.00	80.79
801+50	80150.00	36.78	293.46	0.00	177.25	0.00	285.23	0.00	682.76	0.00	468.54	921.83	0.00	0.00	-453.30
802+00	80200.00	50.00	638.15	0.00	0.91	0.00	862.60	0.00	164.96	0.00	1331.14	1119.79	0.00	0.00	211.35
802+50	80250.00	50.00	527.64	0.00	11.05	0.00	1079.44	0.00	11.07	0.00	2410.57	1133.08	0.00	0.00	1277.50
802+72	80271.93	21.93	113.94	0.00	17.42	0.00	260.55	0.00	11.56	0.00	2671.13	1146.95	0.00	0.00	1524.17
802+72	80271.93	0.00	96.04	0.00	10.43	0.00	0.00	0.00	0.00	0.00	2671.13	1146.95	0.00	0.00	1524.17
803+00	80300.00	28.07	180.72	0.00	2.06	0.00	143.86	0.00	6.49	0.00	2554.44	1140.87	0.00	0.00	1413.57
803+50	80350.00	50.00	111.70	0.00	0.00	0.00	270.76	0.00	1.91	0.00	2825.20	1143.16	0.00	0.00	1682.04
804+00 BK	80400.00	50.00	105.92	0.00	0.08	0.00	201.50	0.00	0.07	0.00	3026.70	1143.25	0.00	0.00	1883.45
						Column totals	3287.25	0.00	964.27	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 CURTIS ROAD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
11+33 AH	1133.40	0.00	112.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	16.60	132.79	0.00	0.00	0.00	75.43	0.00	0.00	0.00	75.43	0.00	0.00	0.00	75.43
12+00	1200.00	50.00	122.72	0.00	0.00	0.00	236.58	0.00	0.00	0.00	312.01	0.00	0.00	0.00	312.01
12+50	1250.00	50.00	118.04	0.00	0.00	0.00	222.93	0.00	0.00	0.00	534.94	0.00	0.00	0.00	534.94
13+00	1300.00	50.00	130.07	0.00	0.00	0.00	229.73	0.00	0.00	0.00	764.67	0.00	0.00	0.00	764.67
13+50	1350.00	50.00	137.18	0.00	0.00	0.00	247.45	0.00	0.00	0.00	1012.12	0.00	0.00	0.00	1012.12
13+51	1350.78	0.78	137.48	0.00	0.00	0.00	3.97	0.00	0.00	0.00	1016.09	0.00	0.00	0.00	1016.09
13+51	1350.80	0.00	55.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1016.09	0.00	0.00	0.00	1016.09
13+63 BK	1362.92	12.12	56.48	0.00	0.00	0.00	25.04	0.00	0.00	0.00	1041.13	0.00	0.00	0.00	1041.13
14+21 AH	1421.00	0.00	121.83	0.00	0.43	0.00	0.00	0.00	0.00	0.00	1041.13	0.00	0.00	0.00	1041.13
14+50	1450.00	29.00	137.74	0.00	0.00	0.00	139.40	0.00	0.23	0.00	1180.53	0.28	0.00	0.00	1180.25
14+98 BK	1498.22	48.22	100.51	0.00	0.13	0.00	212.75	0.00	0.12	0.00	1393.28	0.42	0.00	0.00	1392.86
				Column totals			1393.28	0.00	0.35	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 7 NSP

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
11+00 AH	1100.00	0.00	0.59	0.00	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+50	1150.00	50.00	3.96	0.00	1.66	0.00	4.21	0.00	9.80	0.00	4.21	11.76	0.00	0.00	-7.54
12+00	1200.00	50.00	30.68	0.00	0.05	0.00	32.07	0.00	1.58	0.00	36.29	13.66	0.00	0.00	22.63
12+50	1250.00	50.00	34.62	0.00	0.01	0.00	60.46	0.00	0.06	0.00	96.75	13.72	0.00	0.00	83.03
13+00	1300.00	50.00	34.06	0.00	0.03	0.00	63.59	0.00	0.04	0.00	160.34	13.77	0.00	0.00	146.58
13+50	1350.00	50.00	24.59	0.00	23.32	0.00	54.31	0.00	21.62	0.00	214.65	39.71	0.00	0.00	174.94
14+00	1400.00	50.00	33.23	0.00	0.02	0.00	53.54	0.00	21.61	0.00	268.19	65.64	0.00	0.00	202.54
14+50	1450.00	50.00	48.64	0.00	0.00	0.00	75.81	0.00	0.02	0.00	343.99	65.67	0.00	0.00	278.32
15+00	1500.00	50.00	62.35	0.00	0.00	0.00	102.77	0.00	0.00	0.00	446.76	65.67	0.00	0.00	381.09
15+50	1550.00	50.00	69.21	0.00	1.42	0.00	121.81	0.00	1.31	0.00	568.57	67.24	0.00	0.00	501.33
16+00	1600.00	50.00	111.60	0.00	0.45	0.00	167.42	0.00	1.73	0.00	735.99	69.32	0.00	0.00	666.67
16+50	1650.00	50.00	58.47	0.00	0.00	0.00	157.47	0.00	0.42	0.00	893.46	69.82	0.00	0.00	823.64
17+00	1700.00	50.00	71.64	0.00	0.00	0.00	120.47	0.00	0.00	0.00	1013.94	69.82	0.00	0.00	944.11
17+50	1750.00	50.00	82.42	0.00	0.00	0.00	142.65	0.00	0.00	0.00	1156.58	69.82	0.00	0.00	1086.76
18+00	1800.00	50.00	89.04	0.00	0.00	0.00	158.76	0.00	0.00	0.00	1315.34	69.82	0.00	0.00	1245.52
18+50	1850.00	50.00	71.41	0.00	0.38	0.00	148.56	0.00	0.35	0.00	1463.91	70.24	0.00	0.00	1393.66
18+79 BK	1879.03	29.03	69.74	0.00	0.00	0.00	75.88	0.00	0.20	0.00	1539.79	70.49	0.00	0.00	1469.30
Column totals							1539.79	0.00	58.74	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 7 NW INFIELD (NW)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
											1.0	1.2	1.3	0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
484+16 AH	48416.48	0.00	36.71	0.00	100.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484+50	48450.00	33.52	10.28	0.00	266.00	0.00	29.17	0.00	227.51	0.00	29.17	273.02	0.00	0.00	-243.85
485+00	48500.00	50.00	241.42	0.00	694.31	0.00	233.06	0.00	889.18	0.00	262.22	1340.03	0.00	0.00	-1077.80
485+50	48550.00	50.00	344.50	0.00	970.52	0.00	542.52	0.00	1541.51	0.00	804.74	3189.84	0.00	0.00	-2385.10
486+00	48600.00	50.00	382.42	0.00	1608.00	0.00	673.07	0.00	2387.52	0.00	1477.82	6054.86	0.00	0.00	-4577.04
486+50	48650.00	50.00	112.78	0.00	2309.25	0.00	458.52	0.00	3627.08	0.00	1936.34	10407.36	0.00	0.00	-8471.03
487+00 BK	48700.00	50.00	93.16	0.00	2482.57	0.00	190.69	0.00	4436.87	0.00	2127.02	15731.61	0.00	0.00	-13604.59
						Column totals	2127.02	0.00	13109.67	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
255+25 AH	25525.01	0.00	52.50	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255+50	25550.00	24.99	5.67	0.00	0.17	0.00	26.92	0.00	0.58	0.00	26.92	0.69	0.00	0.00	26.23
256+00	25600.00	50.00	6.77	0.00	6.17	0.00	11.52	0.00	5.87	0.00	38.44	7.74	0.00	0.00	30.70
256+50	25650.00	50.00	4.19	0.00	62.63	0.00	10.15	0.00	63.70	0.00	48.59	84.18	0.00	0.00	-35.60
257+00	25700.00	50.00	4.43	0.00	87.09	0.00	7.98	0.00	138.63	0.00	56.57	250.54	0.00	0.00	-193.97
257+50	25750.00	50.00	4.65	0.00	103.21	0.00	8.41	0.00	176.20	0.00	64.98	461.98	0.00	0.00	-397.01
258+00	25800.00	50.00	4.81	0.00	113.92	0.00	8.76	0.00	201.05	0.00	73.73	703.24	0.00	0.00	-629.50
258+50	25850.00	50.00	6.20	0.00	122.90	0.00	10.19	0.00	219.28	0.00	83.93	966.37	0.00	0.00	-882.44
259+00	25900.00	50.00	12.71	0.00	122.51	0.00	17.51	0.00	227.23	0.00	101.44	1239.05	0.00	0.00	-1137.61
259+50	25950.00	50.00	21.89	0.00	116.20	0.00	32.04	0.00	221.03	0.00	133.48	1504.28	0.00	0.00	-1370.81
260+00	26000.00	50.00	31.18	0.00	92.19	0.00	49.14	0.00	192.95	0.00	182.61	1735.83	0.00	0.00	-1553.21
260+50	26050.00	50.00	33.62	0.00	47.10	0.00	60.00	0.00	128.97	0.00	242.61	1890.59	0.00	0.00	-1647.98
261+00	26100.00	50.00	14.26	0.00	20.30	0.00	44.33	0.00	62.41	0.00	286.95	1965.48	0.00	0.00	-1678.54
261+50	26150.00	50.00	2.04	0.00	14.45	0.00	15.09	0.00	32.18	0.00	302.04	2004.09	0.00	0.00	-1702.05
262+00	26200.00	50.00	0.00	0.00	20.09	0.00	1.89	0.00	31.98	0.00	303.93	2042.47	0.00	0.00	-1738.54
262+50	26250.00	50.00	0.00	0.00	22.71	0.00	0.00	0.00	39.63	0.00	303.93	2090.03	0.00	0.00	-1786.10
263+00	26300.00	50.00	0.00	0.00	30.38	0.00	0.00	0.00	49.16	0.00	303.93	2149.02	0.00	0.00	-1845.09
263+50	26350.00	50.00	0.00	0.00	34.58	0.00	0.00	0.00	60.15	0.00	303.93	2221.19	0.00	0.00	-1917.27
264+00	26400.00	50.00	0.00	0.00	15.06	0.00	0.00	0.00	45.96	0.00	303.93	2276.35	0.00	0.00	-1972.42
264+50	26450.00	50.00	0.00	0.00	5.04	0.00	0.00	0.00	18.61	0.00	303.93	2298.68	0.00	0.00	-1994.75
265+00	26500.00	50.00	0.00	0.00	0.44	0.00	0.00	0.00	5.07	0.00	303.93	2304.77	0.00	0.00	-2000.84
265+06 BK	26506.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	303.93	2304.83	0.00	0.00	-2000.90
Column totals							303.93	0.00	1920.69	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
287+46 AH	28746.21	0.00	29.37	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287+50	28750.00	3.79	25.38	0.00	4.45	0.00	3.84	0.00	0.62	0.00	3.84	0.74	0.00	0.00	3.10
288+00	28800.00	50.00	13.36	0.00	6.29	0.00	35.87	0.00	9.94	0.00	39.71	12.68	0.00	0.00	27.04
288+27	28827.00	27.00	12.00	0.00	0.71	0.00	12.68	0.00	3.50	0.00	52.39	16.88	0.00	0.00	35.52
288+27	28827.00	0.00	52.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.39	16.88	0.00	0.00	35.52
288+50	28850.00	23.00	52.01	0.00	0.00	0.00	44.31	0.00	0.00	0.00	96.71	16.88	0.00	0.00	79.83
289+00	28900.00	50.00	52.65	0.00	0.00	0.00	96.91	0.00	0.00	0.00	193.61	16.88	0.00	0.00	176.74
289+50	28950.00	50.00	54.58	0.00	0.00	0.00	99.29	0.00	0.00	0.00	292.90	16.88	0.00	0.00	276.02
289+94	28994.00	44.00	0.00	0.00	1052.71	0.00	44.47	0.00	857.76	0.00	337.37	1046.19	0.00	0.00	-708.82
289+94	28994.00	0.00	0.00	0.00	1749.43	0.00	0.00	0.00	0.00	0.00	337.37	1046.19	0.00	0.00	-708.82
290+00	29000.00	6.00	0.00	0.00	1753.41	0.00	0.00	0.00	389.20	0.00	337.37	1513.24	0.00	0.00	-1175.87
290+50	29050.00	50.00	0.00	0.00	1796.98	0.00	0.00	0.00	3287.40	0.00	337.37	5458.12	0.00	0.00	-5120.74
291+00	29100.00	50.00	101.65	0.00	134.18	0.00	94.12	0.00	1788.11	0.00	431.49	7603.85	0.00	0.00	-7172.36
291+50	29150.00	50.00	127.03	0.00	14.67	0.00	211.74	0.00	137.82	0.00	643.23	7769.24	0.00	0.00	-7126.01
291+93	29192.64	42.64	96.23	0.00	377.15	0.00	176.29	0.00	309.39	0.00	819.53	8140.51	0.00	0.00	-7320.98
292+34 BK	29234.14	41.50	0.00	0.00	0.00	0.00	73.95	0.00	289.85	0.00	893.48	8488.33	0.00	0.00	-7594.85
294+68 AH	29467.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295+09	29509.02	41.50	79.96	0.00	0.00	0.00	61.45	0.00	0.00	0.00	61.45	0.00	0.00	0.00	61.45
295+50	29550.00	40.98	84.76	0.00	4.91	0.00	125.00	0.00	3.73	0.00	186.45	4.47	0.00	0.00	181.98
296+00	29600.00	50.00	125.90	0.00	29.14	0.00	195.06	0.00	31.53	0.00	381.51	42.30	0.00	0.00	339.21
296+50	29650.00	50.00	153.94	0.00	475.89	0.00	259.11	0.00	467.62	0.00	640.62	603.45	0.00	0.00	37.17
297+00	29700.00	50.00	0.00	0.00	1992.80	0.00	142.54	0.00	2285.82	0.00	783.16	3346.44	0.00	0.00	-2563.28
297+50	29750.00	50.00	7.96	0.00	1502.44	0.00	7.37	0.00	3236.33	0.00	790.53	7230.04	0.00	0.00	-6439.51
298+00	29800.00	50.00	80.37	0.00	13.46	0.00	81.79	0.00	1403.61	0.00	872.32	8914.37	0.00	0.00	-8042.06
298+02	29802.00	2.00	89.88	0.00	13.90	0.00	6.31	0.00	1.01	0.00	878.62	8915.59	0.00	0.00	-8036.97
298+02	29802.00	0.00	0.00	0.00	14.58	0.00	0.00	0.00	0.00	0.00	878.62	8915.59	0.00	0.00	-8036.97
298+50	29850.00	48.00	35.00	0.00	0.23	0.00	31.11	0.00	13.16	0.00	909.73	8931.38	0.00	0.00	-8021.65
299+00	29900.00	50.00	5.03	0.00	0.23	0.00	37.06	0.00	0.43	0.00	946.80	8931.90	0.00	0.00	-7985.10
299+40 BK	29940.00	40.00	0.00	0.00	0.01	0.00	3.73	0.00	0.18	0.00	950.52	8932.11	0.00	0.00	-7981.59
						Column totals	1844.01	0.00	14517.03	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP NE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
561+06 AH	56105.60	0.00	38.81	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
561+50	56150.00	44.40	9.50	0.00	0.15	0.00	39.72	0.00	0.24	0.00	39.72	0.29	0.00	0.00	39.44
562+00	56200.00	50.00	9.98	0.00	0.16	0.00	18.04	0.00	0.29	0.00	57.76	0.63	0.00	0.00	57.13
562+50	56250.00	50.00	11.82	0.00	0.08	0.00	20.19	0.00	0.22	0.00	77.94	0.90	0.00	0.00	77.05
563+00	56300.00	50.00	15.25	0.00	0.00	0.00	25.06	0.00	0.07	0.00	103.01	0.99	0.00	0.00	102.02
563+50	56350.00	50.00	20.53	0.00	0.00	0.00	33.13	0.00	0.00	0.00	136.14	0.99	0.00	0.00	135.15
564+00	56400.00	50.00	24.67	0.00	0.00	0.00	41.85	0.00	0.00	0.00	177.99	0.99	0.00	0.00	177.00
564+50	56450.00	50.00	26.60	0.00	0.00	0.00	47.47	0.00	0.00	0.00	225.46	0.99	0.00	0.00	224.48
564+96	56496.00	46.00	28.05	0.00	0.00	0.00	46.55	0.00	0.00	0.00	272.02	0.99	0.00	0.00	271.03
564+96	56496.00	0.00	41.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	272.02	0.99	0.00	0.00	271.03
565+00	56500.00	4.00	28.17	0.00	0.00	0.00	5.17	0.00	0.00	0.00	277.18	0.99	0.00	0.00	276.20
565+50	56550.00	50.00	43.48	0.00	0.00	0.00	66.34	0.00	0.00	0.00	343.53	0.99	0.00	0.00	342.54
566+00	56600.00	50.00	45.28	0.00	0.00	0.00	82.19	0.00	0.00	0.00	425.71	0.99	0.00	0.00	424.73
566+50	56650.00	50.00	46.99	0.00	0.00	0.00	85.44	0.00	0.00	0.00	511.15	0.99	0.00	0.00	510.16
567+00	56700.00	50.00	48.53	0.00	0.00	0.00	88.44	0.00	0.00	0.00	599.59	0.99	0.00	0.00	598.61
567+50	56750.00	50.00	49.60	0.00	0.00	0.00	90.86	0.00	0.00	0.00	690.45	0.99	0.00	0.00	689.47
568+00	56800.00	50.00	49.06	0.00	0.00	0.00	91.35	0.00	0.00	0.00	781.80	0.99	0.00	0.00	780.82
568+26 BK	56825.86	25.86	18.80	0.00	0.00	0.00	32.50	0.00	0.00	0.00	814.30	0.99	0.00	0.00	813.32
Column totals							814.30	0.00	0.82	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP EN

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
523+58 AH	52357.73	0.00	0.00	0.00	253.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
524+00	52400.00	42.27	0.00	0.00	177.61	0.00	0.00	0.00	337.39	0.00	0.00	404.87	0.00	0.00	-404.87
524+50	52450.00	50.00	0.00	0.00	43.30	0.00	0.00	0.00	204.55	0.00	0.00	650.33	0.00	0.00	-650.33
525+00 BK	52500.00	50.00	0.00	0.00	18.05	0.00	0.00	0.00	56.81	0.00	0.00	718.49	0.00	0.00	-718.49
		Column totals					0.00	0.00	598.74	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 RAMP SE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
587+07 AH	58707.30	0.00	0.00	0.00	451.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
587+50	58750.00	42.70	3.13	0.00	1334.39	0.00	2.48	0.00	1412.26	0.00	2.48	1694.71	0.00	0.00	-1692.23
588+00	58800.00	50.00	3.77	0.00	1352.79	0.00	6.39	0.00	2488.13	0.00	8.86	4680.46	0.00	0.00	-4671.60
588+50	58850.00	50.00	2.87	0.00	1336.84	0.00	6.15	0.00	2490.40	0.00	15.01	7666.90	0.00	0.00	-7651.89
589+00	58900.00	50.00	3.31	0.00	1291.84	0.00	5.72	0.00	2433.96	0.00	20.73	10583.57	0.00	0.00	-10562.84
589+50	58950.00	50.00	2.91	0.00	1246.16	0.00	5.76	0.00	2350.00	0.00	26.49	13251.07	0.00	0.00	-13224.58
590+00 BK	59000.00	50.00	1.99	0.00	1215.32	0.00	4.54	0.00	2279.15	0.00	31.03	15986.05	0.00	0.00	-15955.02
					Column totals		31.03	0.00	13453.89	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 RAMP LD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
708+10 AH	70810.01	0.00	93.52	0.00	37.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
708+29	70829.00	18.99	92.22	0.00	41.02	0.00	65.32	0.00	27.47	0.00	65.32	32.96	0.00	0.00	32.36
708+29	70829.00	0.00	147.10	0.00	14.90	0.00	0.00	0.00	0.00	0.00	65.32	32.96	0.00	0.00	32.36
708+50	70850.00	21.00	173.18	0.00	38.77	0.00	124.55	0.00	20.87	0.00	189.87	58.00	0.00	0.00	131.87
709+00	70900.00	50.00	90.12	0.00	44.63	0.00	243.80	0.00	77.22	0.00	433.67	150.67	0.00	0.00	283.00
709+50	70950.00	50.00	73.96	0.00	45.04	0.00	151.93	0.00	83.03	0.00	585.59	250.30	0.00	0.00	335.29
710+00	71000.00	50.00	60.49	0.00	29.33	0.00	124.49	0.00	68.86	0.00	710.08	332.94	0.00	0.00	377.15
710+50	71050.00	50.00	74.56	0.00	4.38	0.00	125.05	0.00	31.21	0.00	835.13	370.39	0.00	0.00	464.74
710+64	71064.00	14.00	107.54	0.00	0.19	0.00	47.21	0.00	1.18	0.00	882.34	371.81	0.00	0.00	510.53
710+64	71064.00	0.00	164.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	882.34	371.81	0.00	0.00	510.53
711+00	71100.00	36.00	137.88	0.00	0.00	0.00	201.86	0.00	0.00	0.00	1084.20	371.81	0.00	0.00	712.39
711+50	71150.00	50.00	127.02	0.00	0.00	0.00	245.28	0.00	0.00	0.00	1329.48	371.81	0.00	0.00	957.67
712+00	71200.00	50.00	114.77	0.00	0.00	0.00	223.88	0.00	0.00	0.00	1553.36	371.81	0.00	0.00	1181.54
712+50	71250.00	50.00	96.88	0.00	0.00	0.00	195.97	0.00	0.00	0.00	1749.33	371.81	0.00	0.00	1377.52
712+62 BK	71262.48	12.48	86.39	0.00	0.00	0.00	42.36	0.00	0.00	0.00	1791.69	371.81	0.00	0.00	1419.87
					Column totals		1791.69	0.00	309.85	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP GA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
761+00 AH	76100.00	0.00	33.36	0.00	13.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
761+50	76150.00	50.00	40.92	0.00	8.94	0.00	68.78	0.00	20.93	0.00	68.78	25.11	0.00	0.00	43.67
762+00	76200.00	50.00	44.23	0.00	6.83	0.00	78.84	0.00	14.60	0.00	147.62	42.63	0.00	0.00	104.99
762+37	76237.00	37.00	43.10	0.00	6.91	0.00	59.84	0.00	9.41	0.00	207.46	53.93	0.00	0.00	153.53
762+37	76237.00	0.00	58.55	0.00	6.91	0.00	0.00	0.00	0.00	0.00	207.46	53.93	0.00	0.00	153.53
762+50	76250.00	13.00	58.75	0.00	7.70	0.00	28.24	0.00	3.52	0.00	235.70	58.15	0.00	0.00	177.55
763+00	76300.00	50.00	63.02	0.00	0.18	0.00	112.75	0.00	7.30	0.00	348.45	66.91	0.00	0.00	281.54
763+50	76350.00	50.00	59.21	0.00	6.26	0.00	113.18	0.00	5.96	0.00	461.62	74.06	0.00	0.00	387.56
764+00	76400.00	50.00	59.00	0.00	4.38	0.00	109.45	0.00	9.85	0.00	571.08	85.88	0.00	0.00	485.19
764+29	76429.00	29.00	66.85	0.00	0.65	0.00	67.59	0.00	2.70	0.00	638.66	89.13	0.00	0.00	549.54
764+29	76429.00	0.00	43.81	0.00	0.55	0.00	0.00	0.00	0.00	0.00	638.66	89.13	0.00	0.00	549.54
764+50	76450.00	21.00	54.74	0.00	0.01	0.00	38.33	0.00	0.22	0.00	676.99	89.39	0.00	0.00	587.60
765+00	76500.00	50.00	76.35	0.00	0.00	0.00	121.38	0.00	0.01	0.00	798.37	89.40	0.00	0.00	708.97
765+50	76550.00	50.00	75.22	0.00	0.00	0.00	140.34	0.00	0.00	0.00	938.71	89.40	0.00	0.00	849.31
766+00	76600.00	50.00	38.27	0.00	0.00	0.00	105.08	0.00	0.00	0.00	1043.79	89.40	0.00	0.00	954.39
766+00	76600.00	0.00	38.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1043.79	89.40	0.00	0.00	954.39
766+50 BK	76649.79	49.79	113.26	0.00	0.05	0.00	139.68	0.00	0.05	0.00	1183.47	89.45	0.00	0.00	1094.02
Column totals			1183.47	0.00	74.54	0.00									

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP GE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
764+53 AH	76453.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
765+00	76500.00	46.80	27.24	0.00	0.00	0.00	23.61	0.00	0.00	0.00	23.61	0.00	0.00	0.00	23.61
765+50	76550.00	50.00	43.54	0.00	0.00	0.00	65.54	0.00	0.00	0.00	89.15	0.00	0.00	0.00	89.15
766+00	76600.00	50.00	46.62	0.00	1.85	0.00	83.48	0.00	1.71	0.00	172.63	2.06	0.00	0.00	170.57
766+50	76650.00	50.00	54.17	0.00	1.29	0.00	93.32	0.00	2.91	0.00	265.95	5.54	0.00	0.00	260.41
767+00	76700.00	50.00	59.13	0.00	0.67	0.00	104.91	0.00	1.81	0.00	370.86	7.72	0.00	0.00	363.14
767+50	76750.00	50.00	58.02	0.00	4.32	0.00	108.47	0.00	4.62	0.00	479.33	13.27	0.00	0.00	466.06
768+00	76800.00	50.00	56.25	0.00	7.55	0.00	105.81	0.00	10.99	0.00	585.14	26.46	0.00	0.00	558.68
768+50	76850.00	50.00	52.98	0.00	16.57	0.00	101.14	0.00	22.33	0.00	686.27	53.26	0.00	0.00	633.02
769+00	76900.00	50.00	45.73	0.00	37.32	0.00	91.40	0.00	49.90	0.00	777.67	113.13	0.00	0.00	664.54
769+45	76945.00	45.00	41.48	0.00	56.97	0.00	72.68	0.00	78.58	0.00	850.35	207.42	0.00	0.00	642.92
769+45	76945.00	0.00	41.46	0.00	57.18	0.00	0.00	0.00	0.00	0.00	850.35	207.42	0.00	0.00	642.92
769+50	76950.00	5.00	41.40	0.00	58.07	0.00	7.67	0.00	10.67	0.00	858.02	220.23	0.00	0.00	637.79
770+00	77000.00	55.00	104.43	0.00	60.85	0.00	148.53	0.00	121.12	0.00	1006.55	365.58	0.00	0.00	640.98
770+50	77050.00	50.00	93.29	0.00	75.60	0.00	183.07	0.00	126.34	0.00	1189.62	517.19	0.00	0.00	672.44
771+00	77100.00	50.00	74.09	0.00	83.87	0.00	154.98	0.00	147.66	0.00	1344.61	694.38	0.00	0.00	650.23
771+50	77150.00	50.00	49.24	0.00	97.50	0.00	114.19	0.00	167.94	0.00	1458.80	895.90	0.00	0.00	562.90
772+00	77200.00	50.00	31.28	0.00	168.84	0.00	74.56	0.00	246.61	0.00	1533.36	1191.83	0.00	0.00	341.53
772+50	77250.00	50.00	23.47	0.00	171.60	0.00	50.69	0.00	315.22	0.00	1584.05	1570.10	0.00	0.00	13.95
773+00	77300.00	50.00	23.39	0.00	171.53	0.00	43.39	0.00	317.71	0.00	1627.44	1951.35	0.00	0.00	-323.91
773+50	77350.00	50.00	39.22	0.00	212.15	0.00	57.97	0.00	355.26	0.00	1685.41	2377.66	0.00	0.00	-692.25
774+00	77400.00	50.00	57.83	0.00	276.84	0.00	89.86	0.00	452.77	0.00	1775.27	2920.99	0.00	0.00	-1145.71
774+50	77450.00	50.00	67.67	0.00	317.45	0.00	116.20	0.00	550.27	0.00	1891.48	3581.31	0.00	0.00	-1689.83
775+00	77500.00	50.00	73.50	0.00	313.21	0.00	130.71	0.00	583.94	0.00	2022.19	4282.04	0.00	0.00	-2259.85
775+50	77550.00	50.00	80.32	0.00	259.98	0.00	142.43	0.00	530.73	0.00	2164.62	4918.92	0.00	0.00	-2754.30
776+00	77600.00	50.00	99.96	0.00	167.18	0.00	166.93	0.00	395.52	0.00	2331.54	5393.54	0.00	0.00	-3062.00
776+50	77650.00	50.00	108.87	0.00	101.94	0.00	193.36	0.00	249.19	0.00	2524.90	5692.56	0.00	0.00	-3167.66
777+00	77700.00	50.00	113.12	0.00	51.42	0.00	205.55	0.00	142.00	0.00	2730.45	5862.96	0.00	0.00	-3132.52
777+01	77700.63	0.63	114.41	0.00	51.86	0.00	2.65	0.00	1.20	0.00	2733.10	5864.41	0.00	0.00	-3131.31

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP GE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
777+01	77700.63	0.00	74.82	0.00	1.98	0.00	0.00	0.00	0.00	0.00	2733.10	5864.41	0.00	0.00	-3131.31
777+50	77750.00	49.37	72.20	0.00	2.28	0.00	134.41	0.00	3.89	0.00	2867.52	5869.08	0.00	0.00	-3001.57
778+00	77800.00	50.00	79.63	0.00	0.54	0.00	140.58	0.00	2.61	0.00	3008.10	5872.22	0.00	0.00	-2864.12
778+50	77850.00	50.00	97.94	0.00	0.02	0.00	164.42	0.00	0.52	0.00	3172.52	5872.84	0.00	0.00	-2700.32
					0.00										
778+50	77850.00	0.00	31.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3172.52	5872.84	0.00	0.00	-2700.32
779+00	77900.00	50.00	26.64	0.00	0.14	0.00	53.39	0.00	0.13	0.00	3225.91	5873.00	0.00	0.00	-2647.09
779+50	77950.00	50.00	27.63	0.00	0.12	0.00	50.25	0.00	0.24	0.00	3276.16	5873.28	0.00	0.00	-2597.13
779+79	77978.75	28.75	36.01	0.00	6.96	0.00	33.88	0.00	3.77	0.00	3310.04	5877.81	0.00	0.00	-2567.77
779+81 BK	77981.19	2.44	0.00	0.00	0.00	0.00	1.63	0.00	0.31	0.00	3311.67	5878.18	0.00	0.00	-2566.52
780+83 AH	78083.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
780+93	78093.41	10.06	10.24	0.00	255.81	0.00	1.91	0.00	47.66	0.00	1.91	57.19	0.00	0.00	-55.28
781+00	78100.00	6.59	35.30	0.00	92.04	0.00	5.56	0.00	42.45	0.00	7.47	108.13	0.00	0.00	-100.66
781+50	78150.00	50.00	121.07	0.00	5.63	0.00	144.79	0.00	90.44	0.00	152.25	216.65	0.00	0.00	-64.40
782+00	78200.00	50.00	106.84	0.00	11.43	0.00	211.03	0.00	15.80	0.00	363.28	235.61	0.00	0.00	127.67
782+50	78250.00	50.00	116.86	0.00	15.67	0.00	207.13	0.00	25.09	0.00	570.41	265.72	0.00	0.00	304.69
783+00	78300.00	50.00	137.13	0.00	0.00	0.00	235.18	0.00	14.51	0.00	805.59	283.13	0.00	0.00	522.46
783+50	78350.00	50.00	120.30	0.00	0.12	0.00	238.36	0.00	0.11	0.00	1043.95	283.26	0.00	0.00	760.68
784+00	78400.00	50.00	175.58	0.00	18.77	0.00	273.96	0.00	17.49	0.00	1317.91	304.25	0.00	0.00	1013.66
784+50	78450.00	50.00	356.14	0.00	3.57	0.00	492.33	0.00	20.69	0.00	1810.24	329.07	0.00	0.00	1481.17
785+00	78500.00	50.00	531.54	0.00	4.11	0.00	821.93	0.00	7.11	0.00	2632.17	337.61	0.00	0.00	2294.56
785+47	78547.19	47.19	0.00	0.00	79.18	0.00	464.51	0.00	72.79	0.00	3096.68	424.95	0.00	0.00	2671.73
785+52 BK	78552.06	4.87	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	3096.68	433.52	0.00	0.00	2663.16

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP GE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
786+50 AH	78649.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
786+55	78654.60	4.87	0.00	0.00	98.87	0.00	0.00	0.00	8.92	0.00	0.00	10.70	0.00	0.00	-10.70
787+00	78700.00	45.40	1090.19	0.00	0.00	0.00	916.57	0.00	83.12	0.00	916.57	110.45	0.00	0.00	806.12
787+50	78750.00	50.00	614.31	0.00	2.39	0.00	1578.24	0.00	2.21	0.00	2494.81	113.10	0.00	0.00	2381.70
788+00	78800.00	50.00	415.56	0.00	0.86	0.00	953.58	0.00	3.01	0.00	3448.39	116.72	0.00	0.00	3331.68
788+30	78830.00	30.00	401.23	0.00	0.23	0.00	453.77	0.00	0.61	0.00	3902.16	117.44	0.00	0.00	3784.72
788+30	78830.00	0.00	449.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3902.16	117.44	0.00	0.00	3784.72
788+50	78850.00	20.00	383.58	0.00	0.00	0.00	308.56	0.00	0.00	0.00	4210.73	117.44	0.00	0.00	4093.28
789+00	78900.00	50.00	212.73	0.00	0.00	0.00	552.14	0.00	0.00	0.00	4762.87	117.44	0.00	0.00	4645.42
789+50	78950.00	50.00	62.18	0.00	41.05	0.00	254.55	0.00	38.01	0.00	5017.41	163.05	0.00	0.00	4854.36
789+95 BK	78994.53	44.53	0.00	0.00	696.15	0.00	51.28	0.00	607.92	0.00	5068.69	892.55	0.00	0.00	4176.13
						Column totals	11477.03	0.00	6003.55	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 RAMP BB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
799+61 AH	79961.10	0.00	764.72	0.00	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800+00	80000.00	38.90	424.17	0.00	0.57	0.00	856.44	0.00	2.02	0.00	856.44	2.42	0.00	0.00	854.02
800+50	80050.00	50.00	170.33	0.00	390.96	0.00	550.46	0.00	362.53	0.00	1406.90	437.45	0.00	0.00	969.45
801+00	80100.00	50.00	121.43	0.00	1151.26	0.00	270.15	0.00	1427.98	0.00	1677.05	2151.03	0.00	0.00	-473.98
801+50	80150.00	50.00	142.37	0.00	1062.22	0.00	244.26	0.00	2049.52	0.00	1921.31	4610.45	0.00	0.00	-2689.14
802+00	80200.00	50.00	168.92	0.00	1181.72	0.00	288.23	0.00	2077.72	0.00	2209.54	7103.72	0.00	0.00	-4894.18
802+50	80250.00	50.00	265.47	0.00	1167.57	0.00	402.21	0.00	2175.27	0.00	2611.76	9714.04	0.00	0.00	-7102.29
802+64	80264.00	14.00	379.39	0.00	1095.90	0.00	167.19	0.00	586.83	0.00	2778.94	10418.23	0.00	0.00	-7639.29
802+64	80264.00	0.00	313.97	0.00	1120.26	0.00	0.00	0.00	0.00	0.00	2778.94	10418.23	0.00	0.00	-7639.29
803+00	80300.00	36.00	472.43	0.00	962.50	0.00	524.27	0.00	1388.51	0.00	3303.21	12084.44	0.00	0.00	-8781.23
803+50	80350.00	50.00	690.20	0.00	697.28	0.00	1076.51	0.00	1536.83	0.00	4379.72	13928.64	0.00	0.00	-9548.92
804+00	80400.00	50.00	970.77	0.00	584.96	0.00	1537.94	0.00	1187.26	0.00	5917.65	15353.35	0.00	0.00	-9435.70
804+50	80450.00	50.00	824.18	0.00	611.69	0.00	1661.99	0.00	1108.01	0.00	7579.64	16682.96	0.00	0.00	-9103.32
804+60 BK	80459.96	9.96	740.89	0.00	665.56	0.00	288.67	0.00	235.58	0.00	7868.31	16965.66	0.00	0.00	-9097.35
						Column totals	7868.31	0.00	14138.05	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 RAMP FC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
796+00 AH	79600.00	0.00	1556.19	0.00	55.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
796+50	79650.00	50.00	1344.44	0.00	0.00	0.00	2685.77	0.00	51.65	0.00	2685.77	61.98	0.00	0.00	2623.79
797+00	79700.00	50.00	1134.15	0.00	0.00	0.00	2294.99	0.00	0.00	0.00	4980.76	61.98	0.00	0.00	4918.78
797+50	79750.00	50.00	968.97	0.00	0.00	0.00	1947.33	0.00	0.00	0.00	6928.09	61.98	0.00	0.00	6866.11
798+00	79800.00	50.00	785.43	0.00	0.00	0.00	1624.44	0.00	0.00	0.00	8552.54	61.98	0.00	0.00	8490.56
798+50	79850.00	50.00	598.84	0.00	0.00	0.00	1281.73	0.00	0.00	0.00	9834.27	61.98	0.00	0.00	9772.29
799+00	79900.00	50.00	465.73	0.00	0.00	0.00	985.71	0.00	0.00	0.00	10819.98	61.98	0.00	0.00	10758.00
799+50	79950.00	50.00	376.22	0.00	0.00	0.00	779.58	0.00	0.00	0.00	11599.56	61.98	0.00	0.00	11537.59
800+00	80000.00	50.00	276.87	0.00	0.00	0.00	604.71	0.00	0.00	0.00	12204.28	61.98	0.00	0.00	12142.30
800+50	80050.00	50.00	180.51	0.00	0.00	0.00	423.50	0.00	0.00	0.00	12627.78	61.98	0.00	0.00	12565.80
801+00	80100.00	50.00	112.65	0.00	0.00	0.00	271.44	0.00	0.00	0.00	12899.22	61.98	0.00	0.00	12837.24
801+50	80150.00	50.00	86.88	0.00	0.00	0.00	184.75	0.00	0.00	0.00	13083.97	61.98	0.00	0.00	13021.99
801+60 BK	80160.00	10.00	20.65	0.00	0.00	0.00	19.91	0.00	0.00	0.00	13103.89	61.98	0.00	0.00	13041.91

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 8 RAMP FC

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
809+22 AH	80922.38	0.00	22.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
809+50	80950.00	27.62	22.42	0.00	0.00	0.00	22.96	0.00	0.00	0.00	22.96	0.00	0.00	0.00	22.96
810+00	81000.00	50.00	22.42	0.00	0.00	0.00	41.52	0.00	0.00	0.00	64.48	0.00	0.00	0.00	64.48
810+50	81050.00	50.00	22.40	0.00	0.00	0.00	41.50	0.00	0.00	0.00	105.98	0.00	0.00	0.00	105.98
811+00	81100.00	50.00	22.33	0.00	0.00	0.00	41.42	0.00	0.00	0.00	147.40	0.00	0.00	0.00	147.40
811+50	81150.00	50.00	22.24	0.00	0.00	0.00	41.27	0.00	0.00	0.00	188.66	0.00	0.00	0.00	188.66
812+00	81200.00	50.00	22.23	0.00	0.00	0.00	41.18	0.00	0.00	0.00	229.84	0.00	0.00	0.00	229.84
812+50	81250.00	50.00	22.23	0.00	0.00	0.00	41.17	0.00	0.00	0.00	271.01	0.00	0.00	0.00	271.01
813+00	81300.00	50.00	22.23	0.00	0.00	0.00	41.17	0.00	0.00	0.00	312.17	0.00	0.00	0.00	312.17
813+50	81350.00	50.00	22.22	0.00	0.00	0.00	41.16	0.00	0.00	0.00	353.33	0.00	0.00	0.00	353.33
814+00	81400.00	50.00	22.22	0.00	0.00	0.00	41.15	0.00	0.00	0.00	394.48	0.00	0.00	0.00	394.48
814+50	81450.00	50.00	22.22	0.00	0.00	0.00	41.15	0.00	0.00	0.00	435.63	0.00	0.00	0.00	435.63
815+00	81500.00	50.00	22.21	0.00	0.00	0.00	41.14	0.00	0.00	0.00	476.77	0.00	0.00	0.00	476.77
815+50	81550.00	50.00	22.21	0.00	0.00	0.00	41.13	0.00	0.00	0.00	517.90	0.00	0.00	0.00	517.90
816+00	81600.00	50.00	22.21	0.00	0.00	0.00	41.13	0.00	0.00	0.00	559.03	0.00	0.00	0.00	559.03
816+50	81650.00	50.00	20.23	0.00	0.04	0.00	39.30	0.00	0.04	0.00	598.32	0.04	0.00	0.00	598.28
817+00	81700.00	50.00	18.69	0.00	0.92	0.00	36.04	0.00	0.89	0.00	634.36	1.11	0.00	0.00	633.25
817+50	81750.00	50.00	22.80	0.00	0.00	0.00	38.42	0.00	0.85	0.00	672.78	2.13	0.00	0.00	670.64
818+00	81800.00	50.00	24.04	0.00	0.00	0.00	43.37	0.00	0.00	0.00	716.15	2.13	0.00	0.00	714.01
818+50	81850.00	50.00	24.71	0.00	0.00	0.00	45.14	0.00	0.00	0.00	761.28	2.13	0.00	0.00	759.15
818+73 BK	81873.05	23.05	27.48	0.00	0.00	0.00	22.28	0.00	0.00	0.00	783.56	2.13	0.00	0.00	781.43
Column totals							13887.45	0.00	53.43	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 W. SCHLINGER AVENUE

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
525+60 AH	52560.01	0.00	54.65	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526+00	52600.00	39.99	43.48	0.00	2.27	0.00	72.67	0.00	2.00	0.00	72.67	2.40	0.00	0.00	70.27
526+12 BK	52612.08	12.08	41.06	0.00	10.18	0.00	18.91	0.00	2.79	0.00	91.58	5.74	0.00	0.00	85.84
526+76 AH	52676.04	0.00	115.71	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527+00	52700.00	23.96	165.03	0.00	0.17	0.00	124.57	0.00	0.13	0.00	124.57	0.15	0.00	0.00	124.41
527+50	52750.00	50.00	206.55	0.00	0.18	0.00	344.06	0.00	0.32	0.00	468.62	0.54	0.00	0.00	468.08
528+00	52800.00	50.00	153.88	0.00	0.19	0.00	333.73	0.00	0.34	0.00	802.35	0.95	0.00	0.00	801.40
528+50	52850.00	50.00	141.80	0.00	0.10	0.00	273.78	0.00	0.27	0.00	1076.13	1.28	0.00	0.00	1074.85
529+00	52900.00	50.00	144.49	0.00	0.00	0.00	265.08	0.00	0.09	0.00	1341.21	1.39	0.00	0.00	1339.83
529+50	52950.00	50.00	107.93	0.00	0.00	0.00	233.72	0.00	0.00	0.00	1574.94	1.39	0.00	0.00	1573.55
530+00	53000.00	50.00	123.13	0.00	0.00	0.00	213.94	0.00	0.00	0.00	1788.88	1.39	0.00	0.00	1787.49
530+50	53050.00	50.00	273.65	0.00	0.00	0.00	367.39	0.00	0.00	0.00	2156.27	1.39	0.00	0.00	2154.88
531+00	53100.00	50.00	96.83	0.00	0.00	0.00	343.04	0.00	0.00	0.00	2499.31	1.39	0.00	0.00	2497.92
531+50	53150.00	50.00	94.16	0.00	0.12	0.00	176.84	0.00	0.11	0.00	2676.15	1.52	0.00	0.00	2674.63
532+00	53200.00	50.00	94.30	0.00	0.29	0.00	174.50	0.00	0.38	0.00	2850.65	1.98	0.00	0.00	2848.67
532+50	53250.00	50.00	73.70	0.00	0.00	0.00	155.56	0.00	0.27	0.00	3006.20	2.30	0.00	0.00	3003.91
533+00	53300.00	50.00	20.89	0.00	0.22	0.00	87.58	0.00	0.20	0.00	3093.79	2.54	0.00	0.00	3091.24
533+10 BK	53309.99	9.99	21.12	0.00	0.11	0.00	7.77	0.00	0.06	0.00	3101.56	2.62	0.00	0.00	3098.94
Column totals			3193.14	0.00	6.97	0.00									

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 S. 100TH STREET (TD)

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
							Note 1	Note 2	Note 3		Note 1		Note 4	Note 5	Note 6
30+51 AH	3051.21	0.00	49.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31+00	3100.00	48.79	82.49	0.00	0.00	0.00	119.16	0.00	0.00	0.00	119.16	0.00	0.00	0.00	119.16
31+50	3150.00	50.00	67.24	0.00	0.00	0.00	138.64	0.00	0.00	0.00	257.79	0.00	0.00	0.00	257.79
32+00	3200.00	50.00	61.31	0.00	0.31	0.00	119.03	0.00	0.29	0.00	376.82	0.34	0.00	0.00	376.48
32+50	3250.00	50.00	61.49	0.00	0.00	0.00	113.70	0.00	0.29	0.00	490.53	0.69	0.00	0.00	489.84
33+00	3300.00	50.00	55.71	0.00	0.48	0.00	108.52	0.00	0.44	0.00	599.04	1.22	0.00	0.00	597.82
33+50	3350.00	50.00	56.90	0.00	0.39	0.00	104.27	0.00	0.81	0.00	703.31	2.19	0.00	0.00	701.12
34+00	3400.00	50.00	59.31	0.00	0.08	0.00	107.60	0.00	0.44	0.00	810.92	2.71	0.00	0.00	808.20
34+50	3450.00	50.00	63.04	0.00	0.04	0.00	113.29	0.00	0.11	0.00	924.20	2.84	0.00	0.00	921.36
35+00	3500.00	50.00	51.03	0.00	0.45	0.00	105.62	0.00	0.45	0.00	1029.82	3.39	0.00	0.00	1026.43
35+50	3550.00	50.00	46.02	0.00	1.41	0.00	89.86	0.00	1.72	0.00	1119.68	5.46	0.00	0.00	1114.23
36+00	3600.00	50.00	60.78	0.00	0.33	0.00	98.89	0.00	1.61	0.00	1218.57	7.39	0.00	0.00	1211.18
36+50	3650.00	50.00	44.28	0.00	1.13	0.00	97.28	0.00	1.35	0.00	1315.85	9.01	0.00	0.00	1306.84
37+00	3700.00	50.00	38.35	0.00	1.48	0.00	76.51	0.00	2.42	0.00	1392.36	11.91	0.00	0.00	1380.45
37+50	3750.00	50.00	86.37	0.00	0.00	0.00	115.48	0.00	1.37	0.00	1507.84	13.56	0.00	0.00	1494.29
38+00	3800.00	50.00	59.78	0.00	1.05	0.00	135.32	0.00	0.97	0.00	1643.17	14.72	0.00	0.00	1628.44
38+50	3850.00	50.00	85.17	0.00	0.00	0.00	134.21	0.00	0.97	0.00	1777.38	15.89	0.00	0.00	1761.49
39+00	3900.00	50.00	95.05	0.00	0.00	0.00	166.87	0.00	0.00	0.00	1944.25	15.89	0.00	0.00	1928.36
39+50	3950.00	50.00	127.58	0.00	0.00	0.00	206.14	0.00	0.00	0.00	2150.39	15.89	0.00	0.00	2134.50
40+00	4000.00	50.00	81.96	0.00	0.00	0.00	194.02	0.00	0.00	0.00	2344.41	15.89	0.00	0.00	2328.52
40+50	4050.00	50.00	66.95	0.00	0.00	0.00	137.88	0.00	0.00	0.00	2482.29	15.89	0.00	0.00	2466.40
41+00	4100.00	50.00	51.93	0.00	6.52	0.00	110.07	0.00	6.04	0.00	2592.36	23.13	0.00	0.00	2569.23
41+50	4150.00	50.00	56.54	0.00	42.31	0.00	100.44	0.00	45.21	0.00	2692.79	77.39	0.00	0.00	2615.41
42+00	4200.00	50.00	53.53	0.00	63.10	0.00	101.92	0.00	97.60	0.00	2794.71	194.51	0.00	0.00	2600.20
42+33 BK	4232.85	32.85	38.01	0.00	121.52	0.00	55.69	0.00	112.31	0.00	2850.40	329.28	0.00	0.00	2521.11
Column totals							2850.40	0.00	274.40	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 8 ACCESS PATH (XM)

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
16+93 AH	1693.23	0.00	5.86	0.00	57.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17+00	1700.00	6.77	7.04	0.00	56.19	0.00	1.62	0.00	14.31	0.00	1.62	17.17	0.00	0.00	-15.55
17+50	1750.00	50.00	24.88	0.00	22.10	0.00	29.56	0.00	72.49	0.00	31.17	104.16	0.00	0.00	-72.98
18+00	1800.00	50.00	15.10	0.00	0.99	0.00	37.02	0.00	21.38	0.00	68.19	129.81	0.00	0.00	-61.62
18+50	1850.00	50.00	34.10	0.00	0.00	0.00	45.56	0.00	0.92	0.00	113.75	130.91	0.00	0.00	-17.17
19+00	1900.00	50.00	56.69	0.00	0.00	0.00	84.06	0.00	0.00	0.00	197.81	130.91	0.00	0.00	66.90
19+50	1950.00	50.00	54.70	0.00	0.00	0.00	103.14	0.00	0.00	0.00	300.95	130.91	0.00	0.00	170.04
20+00	2000.00	50.00	71.68	0.00	0.00	0.00	117.02	0.00	0.00	0.00	417.97	130.91	0.00	0.00	287.06
20+50	2050.00	50.00	48.35	0.00	0.38	0.00	111.14	0.00	0.35	0.00	529.11	131.34	0.00	0.00	397.77
21+00	2100.00	50.00	43.44	0.00	0.35	0.00	84.99	0.00	0.68	0.00	614.10	132.15	0.00	0.00	481.95
21+50	2150.00	50.00	47.09	0.00	0.00	0.00	83.82	0.00	0.32	0.00	697.92	132.54	0.00	0.00	565.39
22+00	2200.00	50.00	48.21	0.00	0.00	0.00	88.24	0.00	0.00	0.00	786.16	132.54	0.00	0.00	653.63
22+50	2250.00	50.00	35.22	0.00	0.06	0.00	77.25	0.00	0.06	0.00	863.41	132.60	0.00	0.00	730.81
23+00	2300.00	50.00	17.21	0.00	18.05	0.00	48.55	0.00	16.77	0.00	911.96	152.72	0.00	0.00	759.24
23+50	2350.00	50.00	124.41	0.00	0.26	0.00	131.13	0.00	16.95	0.00	1043.09	173.07	0.00	0.00	870.02
24+00	2400.00	50.00	15.37	0.00	50.00	0.00	129.43	0.00	46.54	0.00	1172.52	228.91	0.00	0.00	943.60
24+50	2450.00	50.00	131.31	0.00	0.00	0.00	135.81	0.00	46.30	0.00	1308.33	284.47	0.00	0.00	1023.86
24+70 BK	2470.00	20.00	1.94	0.00	0.00	0.00	49.35	0.00	0.00	0.00	1357.68	284.47	0.00	0.00	1073.21
Column totals							1357.68	0.00	237.06	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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Division 8 HA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
111+34 AH	11134.36	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111+50	11150.00	15.64	0.04	0.00	1.83	0.00	0.01	0.00	1.41	0.00	0.01	1.69	0.00	0.00	0.00
112+00	11200.00	50.00	5.58	0.00	0.01	0.00	5.20	0.00	1.70	0.00	5.22	3.74	0.00	0.00	0.00
112+50	11250.00	50.00	0.73	0.00	5.29	0.00	5.84	0.00	4.91	0.00	11.06	9.63	0.00	0.00	0.00
113+00	11300.00	50.00	0.00	0.00	14.98	0.00	0.68	0.00	18.77	0.00	11.73	32.15	0.00	0.00	0.00
113+50	11350.00	50.00	0.00	0.00	28.28	0.00	0.00	0.00	40.06	0.00	11.73	80.21	0.00	0.00	0.00
114+00	11400.00	50.00	0.00	0.00	148.75	0.00	0.00	0.00	163.92	0.00	11.73	276.91	0.00	0.00	0.00
114+50	11450.00	50.00	0.73	0.00	40.42	0.00	0.68	0.00	175.16	0.00	12.41	487.10	0.00	0.00	0.00
115+00	11500.00	50.00	0.00	0.00	51.78	0.00	0.68	0.00	85.37	0.00	13.09	589.55	0.00	0.00	0.00
115+50	11550.00	50.00	0.00	0.00	15.16	0.00	0.00	0.00	61.98	0.00	13.09	663.93	0.00	0.00	0.00
116+00	11600.00	50.00	0.00	0.00	12.05	0.00	0.00	0.00	25.19	0.00	13.09	694.16	0.00	0.00	0.00
116+50	11650.00	50.00	14.01	0.00	18.77	0.00	12.97	0.00	28.54	0.00	26.06	728.40	0.00	0.00	0.00
117+00	11700.00	50.00	0.00	0.00	12.94	0.00	12.97	0.00	29.36	0.00	39.03	763.64	0.00	0.00	0.00
117+50	11750.00	50.00	0.00	0.00	15.46	0.00	0.00	0.00	26.30	0.00	39.03	795.19	0.00	0.00	0.00
118+00	11800.00	50.00	0.00	0.00	15.88	0.00	0.00	0.00	29.02	0.00	39.03	830.01	0.00	0.00	0.00
118+50	11850.00	50.00	3.19	0.00	6.21	0.00	2.95	0.00	20.45	0.00	41.98	854.56	0.00	0.00	0.00
119+00	11900.00	50.00	22.41	0.00	8.11	0.00	23.70	0.00	13.26	0.00	65.69	870.47	0.00	0.00	0.00
119+50	11950.00	50.00	27.67	0.00	8.66	0.00	46.37	0.00	15.53	0.00	112.06	889.10	0.00	0.00	0.00
120+00	12000.00	50.00	8.41	0.00	6.74	0.00	33.41	0.00	14.26	0.00	145.47	906.21	0.00	0.00	0.00
120+50	12050.00	50.00	6.93	0.00	1.05	0.00	14.20	0.00	7.21	0.00	159.67	914.87	0.00	0.00	0.00
121+00	12100.00	50.00	11.68	0.00	0.00	0.00	17.23	0.00	0.97	0.00	176.90	916.04	0.00	0.00	0.00
121+50	12150.00	50.00	10.03	0.00	1.31	0.00	20.10	0.00	1.21	0.00	197.00	917.49	0.00	0.00	0.00
122+00	12200.00	50.00	6.65	0.00	1.76	0.00	15.44	0.00	2.84	0.00	212.45	920.90	0.00	0.00	0.00
122+50	12250.00	50.00	10.62	0.00	4.53	0.00	15.99	0.00	5.82	0.00	228.44	927.89	0.00	0.00	0.00
123+00	12300.00	50.00	38.40	0.00	1.96	0.00	45.39	0.00	6.01	0.00	273.83	935.10	0.00	0.00	0.00
123+50	12350.00	50.00	38.63	0.00	1.70	0.00	71.32	0.00	3.39	0.00	345.15	939.17	0.00	0.00	0.00
124+00	12400.00	50.00	0.21	0.00	0.99	0.00	35.96	0.00	2.49	0.00	381.11	942.16	0.00	0.00	0.00
124+50	12450.00	50.00	0.17	0.00	2.00	0.00	0.35	0.00	2.77	0.00	381.47	945.48	0.00	0.00	0.00
125+00	12500.00	50.00	0.04	0.00	3.40	0.00	0.19	0.00	5.00	0.00	381.66	951.48	0.00	0.00	0.00
125+50	12550.00	50.00	0.33	0.00	3.27	0.00	0.34	0.00	6.18	0.00	382.00	958.89	0.00	0.00	0.00

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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(CONTINUED)

Division 8 HA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
126+00	12600.00	50.00	0.84	0.00	2.98	0.00	1.08	0.00	5.79	0.00	383.09	965.84	0.00	0.00	0.00
126+50	12650.00	50.00	0.44	0.00	3.41	0.00	1.19	0.00	5.92	0.00	384.27	972.94	0.00	0.00	0.00
127+00	12700.00	50.00	0.27	0.00	4.71	0.00	0.66	0.00	7.52	0.00	384.93	981.96	0.00	0.00	0.00
127+50	12750.00	50.00	0.00	0.00	6.47	0.00	0.25	0.00	10.35	0.00	385.18	994.38	0.00	0.00	0.00
128+00	12800.00	50.00	0.00	0.00	4.69	0.00	0.00	0.00	10.33	0.00	385.18	1006.78	0.00	0.00	0.00
128+50	12850.00	50.00	0.00	0.00	8.37	0.00	0.00	0.00	12.09	0.00	385.18	1021.29	0.00	0.00	0.00
129+00	12900.00	50.00	0.00	0.00	8.89	0.00	0.00	0.00	15.98	0.00	385.18	1040.47	0.00	0.00	0.00
129+50	12950.00	50.00	1.36	0.00	0.55	0.00	1.26	0.00	8.74	0.00	386.44	1050.96	0.00	0.00	0.00
130+00	13000.00	50.00	0.07	0.00	2.69	0.00	1.32	0.00	3.00	0.00	387.76	1054.56	0.00	0.00	0.00
130+50	13050.00	50.00	0.01	0.00	4.97	0.00	0.07	0.00	7.09	0.00	387.84	1063.07	0.00	0.00	0.00
131+00	13100.00	50.00	0.07	0.00	4.28	0.00	0.07	0.00	8.56	0.00	387.91	1073.35	0.00	0.00	0.00
131+50	13150.00	50.00	0.85	0.00	1.12	0.00	0.85	0.00	5.00	0.00	388.76	1079.35	0.00	0.00	0.00
132+00	13200.00	50.00	0.00	0.00	7.47	0.00	0.79	0.00	7.95	0.00	389.55	1088.89	0.00	0.00	0.00
132+50	13250.00	50.00	0.00	0.00	10.19	0.00	0.00	0.00	16.35	0.00	389.55	1108.51	0.00	0.00	0.00
133+00	13300.00	50.00	0.00	0.00	13.03	0.00	0.00	0.00	21.50	0.00	389.55	1134.31	0.00	0.00	0.00
133+50	13350.00	50.00	0.00	0.00	14.24	0.00	0.00	0.00	25.25	0.00	389.55	1164.61	0.00	0.00	0.00
134+00	13400.00	50.00	0.00	0.00	16.48	0.00	0.00	0.00	28.44	0.00	389.55	1198.75	0.00	0.00	0.00
134+50	13450.00	50.00	0.00	0.00	21.02	0.00	0.00	0.00	34.72	0.00	389.55	1240.41	0.00	0.00	0.00
135+00	13500.00	50.00	0.00	0.00	15.03	0.00	0.00	0.00	33.38	0.00	389.55	1280.47	0.00	0.00	0.00
135+50	13550.00	50.00	0.00	0.00	11.32	0.00	0.00	0.00	24.40	0.00	389.55	1309.75	0.00	0.00	0.00
136+00	13600.00	50.00	0.00	0.00	9.36	0.00	0.00	0.00	19.15	0.00	389.55	1332.73	0.00	0.00	0.00
136+50	13650.00	50.00	0.00	0.00	5.30	0.00	0.00	0.00	13.57	0.00	389.55	1349.01	0.00	0.00	0.00
137+00	13700.00	50.00	0.00	0.00	3.68	0.00	0.00	0.00	8.31	0.00	389.55	1358.99	0.00	0.00	0.00
137+50	13750.00	50.00	0.08	0.00	3.20	0.00	0.07	0.00	6.37	0.00	389.62	1366.64	0.00	0.00	0.00
138+00	13800.00	50.00	2.31	0.00	1.68	0.00	2.21	0.00	4.52	0.00	391.84	1372.06	0.00	0.00	0.00
138+50	13850.00	50.00	4.03	0.00	2.15	0.00	5.87	0.00	3.55	0.00	397.71	1376.31	0.00	0.00	0.00
139+00	13900.00	50.00	8.14	0.00	2.11	0.00	11.27	0.00	3.94	0.00	408.97	1381.05	0.00	0.00	0.00
139+50	13950.00	50.00	4.85	0.00	5.44	0.00	12.03	0.00	6.99	0.00	421.00	1389.44	0.00	0.00	0.00
140+00	14000.00	50.00	2.39	0.00	2.40	0.00	6.70	0.00	7.26	0.00	427.71	1398.15	0.00	0.00	0.00
140+50	14050.00	50.00	1.57	0.00	1.93	0.00	3.67	0.00	4.01	0.00	431.37	1402.96	0.00	0.00	0.00
141+00	14100.00	50.00	0.35	0.00	3.23	0.00	1.78	0.00	4.78	0.00	433.15	1408.69	0.00	0.00	0.00
141+50	14150.00	50.00	0.26	0.00	3.92	0.00	0.56	0.00	6.62	0.00	433.72	1416.64	0.00	0.00	0.00

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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(CONTINUED)

Division 8 HA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	Mass Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
142+00	14200.00	50.00	0.23	0.00	4.23	0.00	0.45	0.00	7.55	0.00	434.17	1425.69	0.00	0.00	0.00
142+50	14250.00	50.00	1.32	0.00	3.01	0.00	1.44	0.00	6.70	0.00	435.60	1433.74	0.00	0.00	0.00
143+00	14300.00	50.00	2.14	0.00	3.83	0.00	3.20	0.00	6.33	0.00	438.81	1441.34	0.00	0.00	0.00
143+50	14350.00	50.00	2.43	0.00	2.81	0.00	4.23	0.00	6.15	0.00	443.04	1448.71	0.00	0.00	0.00
144+00	14400.00	50.00	0.00	0.00	1.93	0.00	2.25	0.00	4.39	0.00	445.29	1453.98	0.00	0.00	0.00
144+50	14450.00	50.00	0.00	0.00	11.31	0.00	0.00	0.00	12.26	0.00	445.29	1468.69	0.00	0.00	0.00
145+00	14500.00	50.00	0.00	0.00	21.78	0.00	0.00	0.00	30.64	0.00	445.29	1505.46	0.00	0.00	0.00
145+50	14550.00	50.00	0.00	0.00	15.80	0.00	0.00	0.00	34.80	0.00	445.29	1547.21	0.00	0.00	0.00
146+00	14600.00	50.00	0.00	0.00	13.68	0.00	0.00	0.00	27.30	0.00	445.29	1579.97	0.00	0.00	0.00
146+50	14650.00	50.00	0.00	0.00	8.57	0.00	0.00	0.00	20.60	0.00	445.29	1604.69	0.00	0.00	0.00
147+00	14700.00	50.00	0.24	0.00	3.65	0.00	0.22	0.00	11.31	0.00	445.51	1618.27	0.00	0.00	0.00
147+50	14750.00	50.00	2.19	0.00	1.24	0.00	2.25	0.00	4.53	0.00	447.76	1623.70	0.00	0.00	0.00
148+00	14800.00	50.00	5.71	0.00	5.48	0.00	7.31	0.00	6.22	0.00	455.08	1631.17	0.00	0.00	0.00
148+50	14850.00	50.00	11.85	0.00	0.94	0.00	16.26	0.00	5.94	0.00	471.34	1638.30	0.00	0.00	0.00
149+00	14900.00	50.00	13.28	0.00	0.00	0.00	23.27	0.00	0.87	0.00	494.60	1639.35	0.00	0.00	0.00
149+50	14950.00	50.00	11.48	0.00	9.42	0.00	22.93	0.00	8.72	0.00	517.53	1649.81	0.00	0.00	0.00
150+00	15000.00	50.00	9.66	0.00	0.00	0.00	19.57	0.00	8.72	0.00	537.10	1660.28	0.00	0.00	0.00
150+50	15050.00	50.00	10.22	0.00	0.60	0.00	18.41	0.00	0.56	0.00	555.51	1660.95	0.00	0.00	0.00
151+00	15100.00	50.00	15.54	0.00	1.92	0.00	23.85	0.00	2.33	0.00	579.36	1663.75	0.00	0.00	0.00
151+50	15150.00	50.00	13.94	0.00	0.09	0.00	27.30	0.00	1.86	0.00	606.66	1665.98	0.00	0.00	0.00
152+00	15200.00	50.00	12.95	0.00	0.65	0.00	24.90	0.00	0.69	0.00	631.56	1666.80	0.00	0.00	0.00
152+50	15250.00	50.00	24.13	0.00	0.00	0.00	34.33	0.00	0.60	0.00	665.89	1667.53	0.00	0.00	0.00
153+00	15300.00	50.00	39.82	0.00	0.00	0.00	59.21	0.00	0.00	0.00	725.10	1667.53	0.00	0.00	0.00
153+50	15350.00	50.00	21.05	0.00	0.00	0.00	56.36	0.00	0.00	0.00	781.47	1667.53	0.00	0.00	0.00
154+00	15400.00	50.00	20.12	0.00	0.00	0.00	38.12	0.00	0.00	0.00	819.59	1667.53	0.00	0.00	0.00
154+50	15450.00	50.00	22.45	0.00	0.00	0.00	39.42	0.00	0.00	0.00	859.00	1667.53	0.00	0.00	0.00
155+00	15500.00	50.00	21.62	0.00	0.00	0.00	40.81	0.00	0.00	0.00	899.81	1667.53	0.00	0.00	0.00
155+50	15550.00	50.00	17.53	0.00	0.00	0.00	36.25	0.00	0.00	0.00	936.06	1667.53	0.00	0.00	0.00
156+00	15600.00	50.00	18.62	0.00	0.00	0.00	33.47	0.00	0.00	0.00	969.53	1667.53	0.00	0.00	0.00
156+50	15650.00	50.00	19.89	0.00	0.00	0.00	35.66	0.00	0.00	0.00	1005.19	1667.53	0.00	0.00	0.00
157+00	15700.00	50.00	25.15	0.00	0.00	0.00	41.70	0.00	0.00	0.00	1046.89	1667.53	0.00	0.00	0.00
157+50	15750.00	50.00	30.10	0.00	0.00	0.00	51.16	0.00	0.00	0.00	1098.05	1667.53	0.00	0.00	0.00

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 8 HA

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3	Reduced EBS In Fill 0.8	Ordinate
							Note 1	Note 2	Note 3				Note 4	Note 5	Note 6
158+00	15800.00	50.00	34.99	0.00	0.00	0.00	60.27	0.00	0.00	0.00	1158.32	1667.53	0.00	0.00	0.00
158+50	15850.00	50.00	38.41	0.00	6.34	0.00	67.96	0.00	5.87	0.00	1226.28	1674.57	0.00	0.00	0.00
159+00	15900.00	50.00	57.70	0.00	0.00	0.00	88.99	0.00	5.87	0.00	1315.27	1681.61	0.00	0.00	0.00
159+50	15950.00	50.00	50.46	0.00	0.00	0.00	100.15	0.00	0.00	0.00	1415.42	1681.61	0.00	0.00	0.00
160+00	16000.00	50.00	47.99	0.00	0.00	0.00	91.16	0.00	0.00	0.00	1506.58	1681.61	0.00	0.00	0.00
160+50	16050.00	50.00	52.80	0.00	0.00	0.00	93.32	0.00	0.00	0.00	1599.90	1681.61	0.00	0.00	0.00
161+00	16100.00	50.00	61.92	0.00	0.00	0.00	106.22	0.00	0.00	0.00	1706.12	1681.61	0.00	0.00	0.00
161+50	16150.00	50.00	65.27	0.00	0.00	0.00	117.77	0.00	0.00	0.00	1823.89	1681.61	0.00	0.00	0.00
162+00	16200.00	50.00	55.24	0.00	0.00	0.00	111.58	0.00	0.00	0.00	1935.47	1681.61	0.00	0.00	0.00
162+50	16250.00	50.00	54.75	0.00	0.00	0.00	101.84	0.00	0.00	0.00	2037.32	1681.61	0.00	0.00	0.00
163+00	16300.00	50.00	53.22	0.00	0.00	0.00	99.97	0.00	0.00	0.00	2137.29	1681.61	0.00	0.00	0.00
163+50	16350.00	50.00	44.10	0.00	0.00	0.00	90.11	0.00	0.00	0.00	2227.40	1681.61	0.00	0.00	0.00
164+00	16400.00	50.00	40.58	0.00	0.00	0.00	78.41	0.00	0.00	0.00	2305.81	1681.61	0.00	0.00	0.00
164+50	16450.00	50.00	30.66	0.00	30.99	0.00	65.96	0.00	28.69	0.00	2371.77	1716.05	0.00	0.00	0.00
165+00	16500.00	50.00	28.17	0.00	0.00	0.00	54.47	0.00	28.69	0.00	2426.24	1750.48	0.00	0.00	0.00
165+50	16550.00	50.00	22.90	0.00	0.00	0.00	47.29	0.00	0.00	0.00	2473.53	1750.48	0.00	0.00	0.00
166+00	16600.00	50.00	21.55	0.00	0.00	0.00	41.16	0.00	0.00	0.00	2514.69	1750.48	0.00	0.00	0.00
166+50	16650.00	50.00	18.74	0.00	0.00	0.00	37.31	0.00	0.00	0.00	2551.99	1750.48	0.00	0.00	0.00
167+00	16700.00	50.00	14.87	0.00	0.01	0.00	31.12	0.00	0.01	0.00	2583.11	1750.49	0.00	0.00	0.00
167+50	16750.00	50.00	11.15	0.00	0.45	0.00	24.09	0.00	0.43	0.00	2607.21	1751.00	0.00	0.00	0.00
168+00	16800.00	50.00	6.01	0.00	0.38	0.00	15.89	0.00	0.77	0.00	2623.09	1751.93	0.00	0.00	0.00
168+50	16850.00	50.00	6.69	0.00	0.37	0.00	11.76	0.00	0.69	0.00	2634.85	1752.76	0.00	0.00	0.00
169+00	16900.00	50.00	3.79	0.00	1.01	0.00	9.70	0.00	1.28	0.00	2644.56	1754.29	0.00	0.00	0.00
169+50	16950.00	50.00	0.64	0.00	6.12	0.00	4.10	0.00	6.60	0.00	2648.66	1762.21	0.00	0.00	0.00
170+00	17000.00	50.00	0.00	0.00	6.95	0.00	0.59	0.00	12.10	0.00	2649.25	1776.74	0.00	0.00	0.00
170+50	17050.00	50.00	0.69	0.00	7.29	0.00	0.64	0.00	13.19	0.00	2649.89	1792.56	0.00	0.00	0.00
171+00	17100.00	50.00	2.51	0.00	5.66	0.00	2.96	0.00	11.99	0.00	2652.85	1806.95	0.00	0.00	0.00
171+50	17150.00	50.00	3.20	0.00	5.71	0.00	5.29	0.00	10.53	0.00	2658.14	1819.58	0.00	0.00	0.00
172+00	17200.00	50.00	3.88	0.00	5.55	0.00	6.56	0.00	10.43	0.00	2664.70	1832.09	0.00	0.00	0.00
172+50	17250.00	50.00	6.12	0.00	4.31	0.00	9.26	0.00	9.13	0.00	2673.96	1843.05	0.00	0.00	0.00
173+00	17300.00	50.00	5.20	0.00	4.39	0.00	10.48	0.00	8.06	0.00	2684.44	1852.71	0.00	0.00	0.00

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT SHEET)

9

(CONTINUED)

Division 8 HA

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
173+50	17350.00	50.00	18.24	0.00	1.46	0.00	21.70	0.00	5.42	0.00	2706.14	1859.21	0.00	0.00	0.00
174+00	17400.00	50.00	186.94	0.00	0.47	0.00	189.98	0.00	1.79	0.00	2896.12	1861.36	0.00	0.00	0.00
174+50	17450.00	50.00	11.14	0.00	0.80	0.00	183.41	0.00	1.18	0.00	3079.53	1862.77	0.00	0.00	0.00
175+00	17500.00	50.00	6.66	0.00	0.90	0.00	16.48	0.00	1.57	0.00	3096.01	1864.66	0.00	0.00	0.00
175+50	17550.00	50.00	5.08	0.00	20.37	0.00	10.87	0.00	19.69	0.00	3106.88	1888.29	0.00	0.00	0.00
176+00	17600.00	50.00	5.67	0.00	40.33	0.00	9.95	0.00	56.20	0.00	3116.84	1955.74	0.00	0.00	0.00
176+50	17650.00	50.00	13.78	0.00	82.65	0.00	18.01	0.00	113.87	0.00	3134.84	2092.38	0.00	0.00	0.00
177+00	17700.00	50.00	4.70	0.00	59.29	0.00	17.11	0.00	131.43	0.00	3151.96	2250.09	0.00	0.00	0.00
177+50	17750.00	50.00	6.33	0.00	150.37	0.00	10.21	0.00	194.13	0.00	3162.17	2483.05	0.00	0.00	0.00
178+00	17800.00	50.00	6.48	0.00	33.16	0.00	11.86	0.00	169.94	0.00	3174.03	2686.97	0.00	0.00	0.00
178+50	17850.00	50.00	1.97	0.00	31.17	0.00	7.82	0.00	59.56	0.00	3181.85	2758.45	0.00	0.00	0.00
179+00	17900.00	50.00	2.46	0.00	98.95	0.00	4.10	0.00	120.48	0.00	3185.96	2903.03	0.00	0.00	0.00
179+50	17950.00	50.00	0.91	0.00	53.84	0.00	3.12	0.00	141.47	0.00	3189.08	3072.79	0.00	0.00	0.00
180+00	18000.00	50.00	762.48	0.00	0.00	0.00	706.84	0.00	49.85	0.00	3895.92	3132.61	0.00	0.00	0.00
180+50	18050.00	50.00	2204.79	0.00	3.74	0.00	2747.47	0.00	3.46	0.00	6643.39	3136.77	0.00	0.00	0.00
181+00	18100.00	50.00	2428.09	0.00	12.56	0.00	4289.70	0.00	15.09	0.00	10933.09	3154.88	0.00	0.00	0.00
181+50	18150.00	50.00	514.03	0.00	0.00	0.00	2724.19	0.00	11.63	0.00	13657.28	3168.84	0.00	0.00	0.00
182+00	18200.00	50.00	245.56	0.00	10.22	0.00	703.32	0.00	9.46	0.00	14360.60	3180.19	0.00	0.00	0.00
182+50	18250.00	50.00	275.94	0.00	7.43	0.00	482.87	0.00	16.34	0.00	14843.47	3199.80	0.00	0.00	0.00
183+00	18300.00	50.00	45.08	0.00	9.06	0.00	297.24	0.00	15.27	0.00	15140.72	3218.13	0.00	0.00	0.00
183+50	18350.00	50.00	0.12	0.00	6.26	0.00	41.85	0.00	14.19	0.00	15182.57	3235.15	0.00	0.00	0.00
184+00	18400.00	50.00	0.11	0.00	13.97	0.00	0.21	0.00	18.73	0.00	15182.78	3257.63	0.00	0.00	0.00
184+50	18450.00	50.00	25.64	0.00	8.14	0.00	23.84	0.00	20.47	0.00	15206.62	3282.19	0.00	0.00	0.00
185+00	18500.00	50.00	25.18	0.00	12.89	0.00	47.06	0.00	19.47	0.00	15253.68	3305.56	0.00	0.00	0.00
185+50	18550.00	50.00	21.13	0.00	3.84	0.00	42.88	0.00	15.49	0.00	15296.56	3324.15	0.00	0.00	0.00
186+00	18600.00	50.00	35.89	0.00	1.56	0.00	52.80	0.00	5.00	0.00	15349.35	3330.15	0.00	0.00	0.00
186+50	18650.00	50.00	101.62	0.00	0.85	0.00	127.32	0.00	2.23	0.00	15476.68	3332.83	0.00	0.00	0.00
187+00	18700.00	50.00	96.62	0.00	4.30	0.00	183.56	0.00	4.77	0.00	15660.23	3338.55	0.00	0.00	0.00
187+50	18750.00	50.00	87.56	0.00	8.59	0.00	170.54	0.00	11.94	0.00	15830.77	3352.87	0.00	0.00	0.00
188+00	18800.00	50.00	90.12	0.00	11.15	0.00	164.52	0.00	18.28	0.00	15995.29	3374.80	0.00	0.00	0.00
188+50	18850.00	50.00	83.89	0.00	11.90	0.00	161.12	0.00	21.34	0.00	16156.41	3400.41	0.00	0.00	0.00

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090101_ew.ppt PLOT DATE : 7/20/2015 11:43:37 AM PLOT BY : MSCCEJ PLOT NAME : 090101_ew216 PLOT SCALE : 1:1

(CONTINUED)

Division 8 HA

STATION	Real Station	Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/ Unusable Pavement Material Note 2	Fill Note 3	EBS	Cumulative Vol (CY) Cut 1.0	Expanded Fill 1.2	Expanded EBS Backfill 1.3 Note 4	Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 6
189+00	18900.00	50.00	77.96	0.00	7.02	0.00	149.86	0.00	17.52	0.00	16306.27	3421.44	0.00	0.00	0.00
189+50	18950.00	50.00	36.78	0.00	9.48	0.00	106.24	0.00	15.28	0.00	16412.51	3439.77	0.00	0.00	0.00
190+00	19000.00	50.00	17.83	0.00	12.39	0.00	50.56	0.00	20.25	0.00	16463.08	3464.07	0.00	0.00	0.00
190+50	19050.00	50.00	9.20	0.00	9.56	0.00	25.03	0.00	20.32	0.00	16488.10	3488.46	0.00	0.00	0.00
191+00	19100.00	50.00	2.20	0.00	3.77	0.00	10.56	0.00	12.34	0.00	16498.66	3503.27	0.00	0.00	0.00
191+50	19150.00	50.00	1.26	0.00	1.54	0.00	3.20	0.00	4.92	0.00	16501.86	3509.17	0.00	0.00	0.00
192+00	19200.00	50.00	6.88	0.00	0.59	0.00	7.54	0.00	1.97	0.00	16509.40	3511.54	0.00	0.00	0.00
192+50	19250.00	50.00	6.77	0.00	0.33	0.00	12.64	0.00	0.85	0.00	16522.04	3512.56	0.00	0.00	0.00
193+00	19300.00	50.00	12.31	0.00	0.00	0.00	17.67	0.00	0.31	0.00	16539.71	3512.93	0.00	0.00	0.00
193+01 BK	19301.32	1.32	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	16540.01	3512.93	0.00	0.00	0.00
						Column totals	16540.01	0.00	2927.44	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

Division 9 USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
304+00 AH	30400.00	0.00	45.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304+50	30450.00	50.00	47.51	0.00	0.00	0.00	86.05	0.00	0.00	0.00	86.05	0.00	0.00	0.00	86.05
305+00	30500.00	50.00	47.90	0.00	0.00	0.00	88.34	0.00	0.00	0.00	174.39	0.00	0.00	0.00	174.39
305+50	30550.00	50.00	47.81	0.00	0.00	0.00	88.62	0.00	0.00	0.00	263.01	0.00	0.00	0.00	263.01
306+00	30600.00	50.00	47.73	0.00	0.00	0.00	88.46	0.00	0.00	0.00	351.47	0.00	0.00	0.00	351.47
306+50	30650.00	50.00	47.66	0.00	0.00	0.00	88.32	0.00	0.00	0.00	439.80	0.00	0.00	0.00	439.80
307+00	30700.00	50.00	47.66	0.00	0.00	0.00	88.26	0.00	0.00	0.00	528.06	0.00	0.00	0.00	528.06
307+32	30732.00	32.00	48.10	0.00	0.00	0.00	56.75	0.00	0.00	0.00	584.80	0.00	0.00	0.00	584.80
307+32	30732.00	0.00	82.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	584.80	0.00	0.00	0.00	584.80
307+50	30750.00	18.00	83.38	0.00	0.00	0.00	55.14	0.00	0.00	0.00	639.95	0.00	0.00	0.00	639.95
308+00	30800.00	50.00	88.09	0.00	0.00	0.00	158.77	0.00	0.00	0.00	798.71	0.00	0.00	0.00	798.71
308+50	30850.00	50.00	89.95	0.00	0.00	0.00	164.85	0.00	0.00	0.00	963.57	0.00	0.00	0.00	963.57
309+00	30900.00	50.00	134.04	0.00	0.00	0.00	207.40	0.00	0.00	0.00	1170.96	0.00	0.00	0.00	1170.96
309+00	30900.00	0.00	56.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1170.96	0.00	0.00	0.00	1170.96
309+50	30950.00	50.00	63.26	0.00	0.00	0.00	110.96	0.00	0.00	0.00	1281.93	0.00	0.00	0.00	1281.93
310+00	31000.00	50.00	75.65	0.00	0.00	0.00	128.62	0.00	0.00	0.00	1410.55	0.00	0.00	0.00	1410.55
310+50	31050.00	50.00	93.10	0.00	0.00	0.00	156.25	0.00	0.00	0.00	1566.80	0.00	0.00	0.00	1566.80
311+00	31100.00	50.00	102.44	0.00	0.00	0.00	181.06	0.00	0.00	0.00	1747.85	0.00	0.00	0.00	1747.85
311+50	31150.00	50.00	93.08	0.00	0.00	0.00	181.04	0.00	0.00	0.00	1928.89	0.00	0.00	0.00	1928.89
311+70 BK	31169.97	19.97	92.10	0.00	0.00	0.00	68.48	0.00	0.00	0.00	1997.37	0.00	0.00	0.00	1997.37
		Column totals					1997.37	0.00	0.00	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

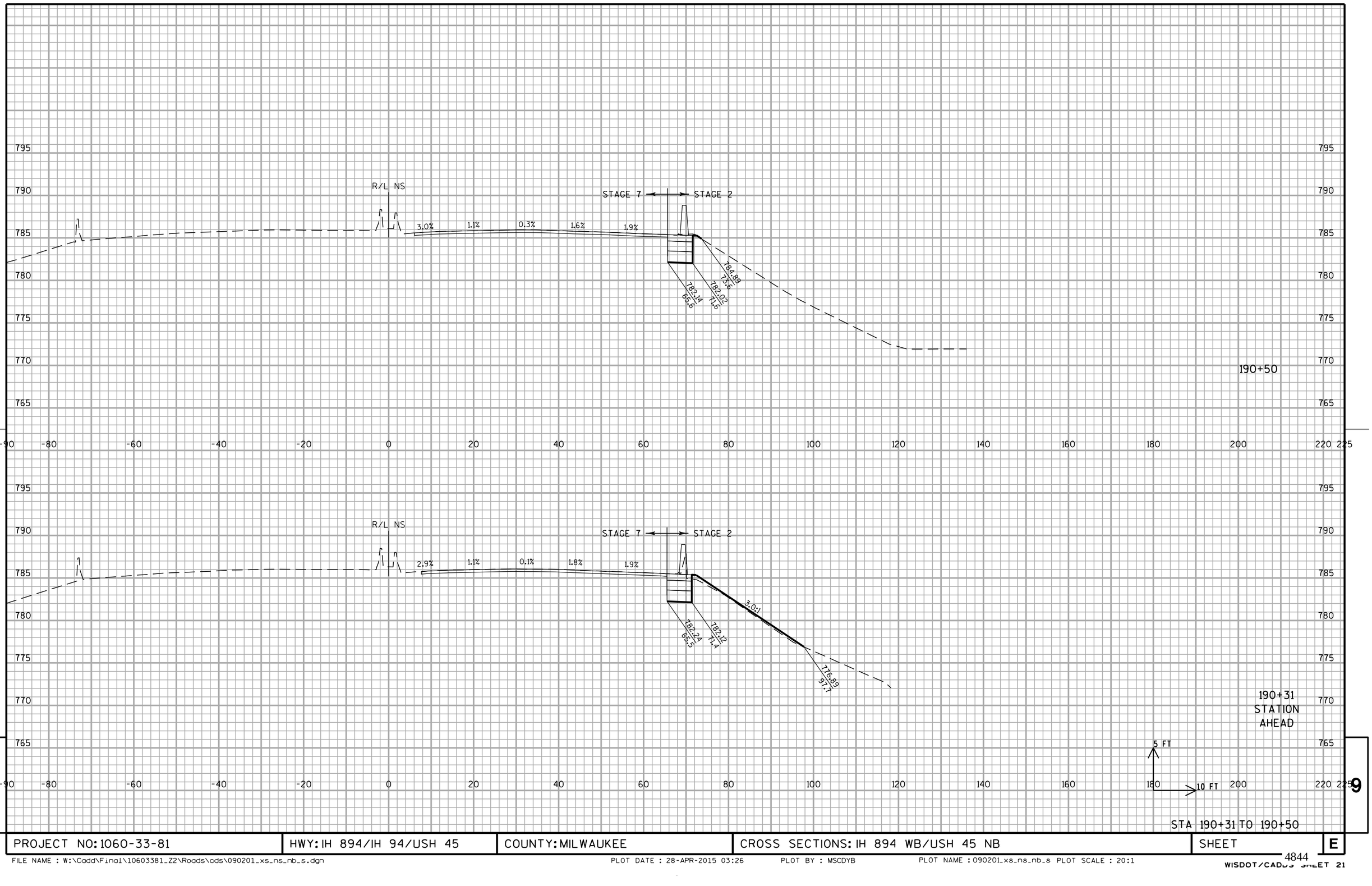
9

Division 9 USH 45 SB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut Note 1	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 5	Mass Ordinate Note 6
304+00 AH	30400.00	0.00	0.00	0.00	15.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304+45	30445.00	45.00	0.53	0.00	1.60	0.00	0.44	0.00	14.21	0.00	0.44	17.05	0.00	0.00	-16.61
304+45	30445.00	0.00	39.46	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.44	17.05	0.00	0.00	-16.61
304+50	30450.00	5.00	40.01	0.00	0.63	0.00	7.36	0.00	0.13	0.00	7.80	17.21	0.00	0.00	-9.41
305+00	30500.00	50.00	41.10	0.00	0.39	0.00	75.10	0.00	0.94	0.00	82.90	18.34	0.00	0.00	64.56
305+50	30550.00	50.00	40.74	0.00	0.50	0.00	75.78	0.00	0.82	0.00	158.68	19.33	0.00	0.00	139.35
306+00	30600.00	50.00	39.96	0.00	0.62	0.00	74.72	0.00	1.04	0.00	233.40	20.58	0.00	0.00	212.83
306+50	30650.00	50.00	38.95	0.00	0.67	0.00	73.06	0.00	1.19	0.00	306.47	22.01	0.00	0.00	284.46
307+00	30700.00	50.00	37.96	0.00	0.63	0.00	71.21	0.00	1.20	0.00	377.68	23.45	0.00	0.00	354.23
307+50	30750.00	50.00	39.85	0.00	0.30	0.00	72.05	0.00	0.86	0.00	449.73	24.49	0.00	0.00	425.24
308+00	30800.00	50.00	42.72	0.00	0.00	0.00	76.45	0.00	0.28	0.00	526.18	24.82	0.00	0.00	501.36
308+00	30800.00	0.00	75.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	526.18	24.82	0.00	0.00	501.36
308+50	30850.00	50.00	80.42	0.00	0.00	0.00	144.63	0.00	0.00	0.00	670.81	24.82	0.00	0.00	645.99
309+00	30900.00	50.00	84.50	0.00	0.00	0.00	152.70	0.00	0.00	0.00	823.51	24.82	0.00	0.00	798.69
309+40	30940.00	40.00	85.45	0.00	0.00	0.00	125.89	0.00	0.00	0.00	949.40	24.82	0.00	0.00	924.58
309+40	30940.00	0.00	28.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	949.40	24.82	0.00	0.00	924.58
309+50	30950.00	10.00	28.93	0.00	0.00	0.00	10.70	0.00	0.00	0.00	960.10	24.82	0.00	0.00	935.28
310+00	31000.00	50.00	28.54	0.00	0.00	0.00	53.21	0.00	0.00	0.00	1013.32	24.82	0.00	0.00	988.50
310+50	31050.00	50.00	26.06	0.00	0.08	0.00	50.56	0.00	0.07	0.00	1063.87	24.91	0.00	0.00	1038.96
311+00	31100.00	50.00	24.90	0.00	0.49	0.00	47.19	0.00	0.53	0.00	1111.06	25.54	0.00	0.00	1085.52
311+20 BK	31120.00	20.00	27.70	0.00	1.40	0.00	19.48	0.00	0.70	0.00	1130.54	26.38	0.00	0.00	1104.16
Column totals							1130.54	0.00	21.99	0.00					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Expanded EBS	Will be backfilled with Borrow
5 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
6 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

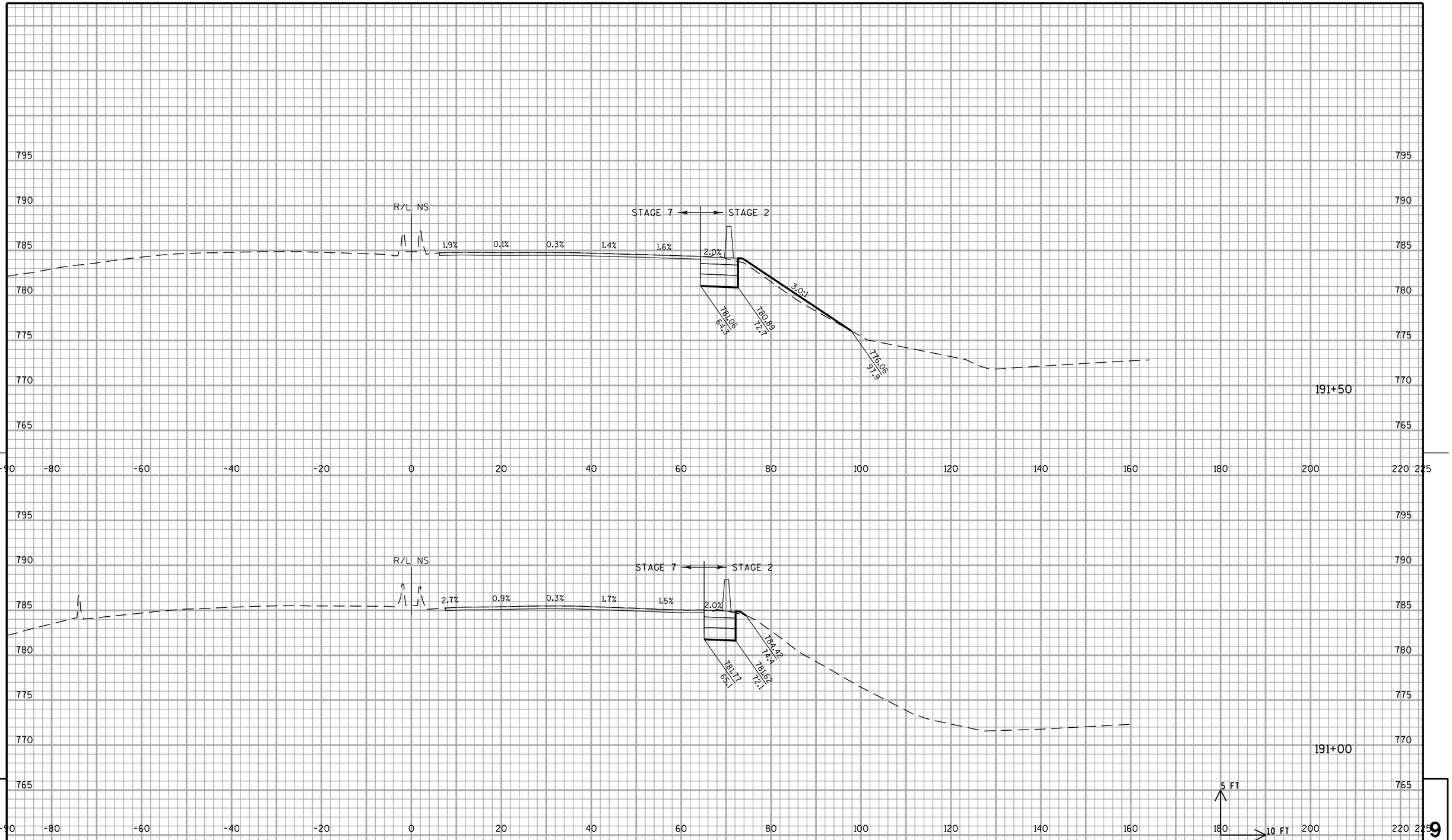
9



STA 190+31 TO 190+50

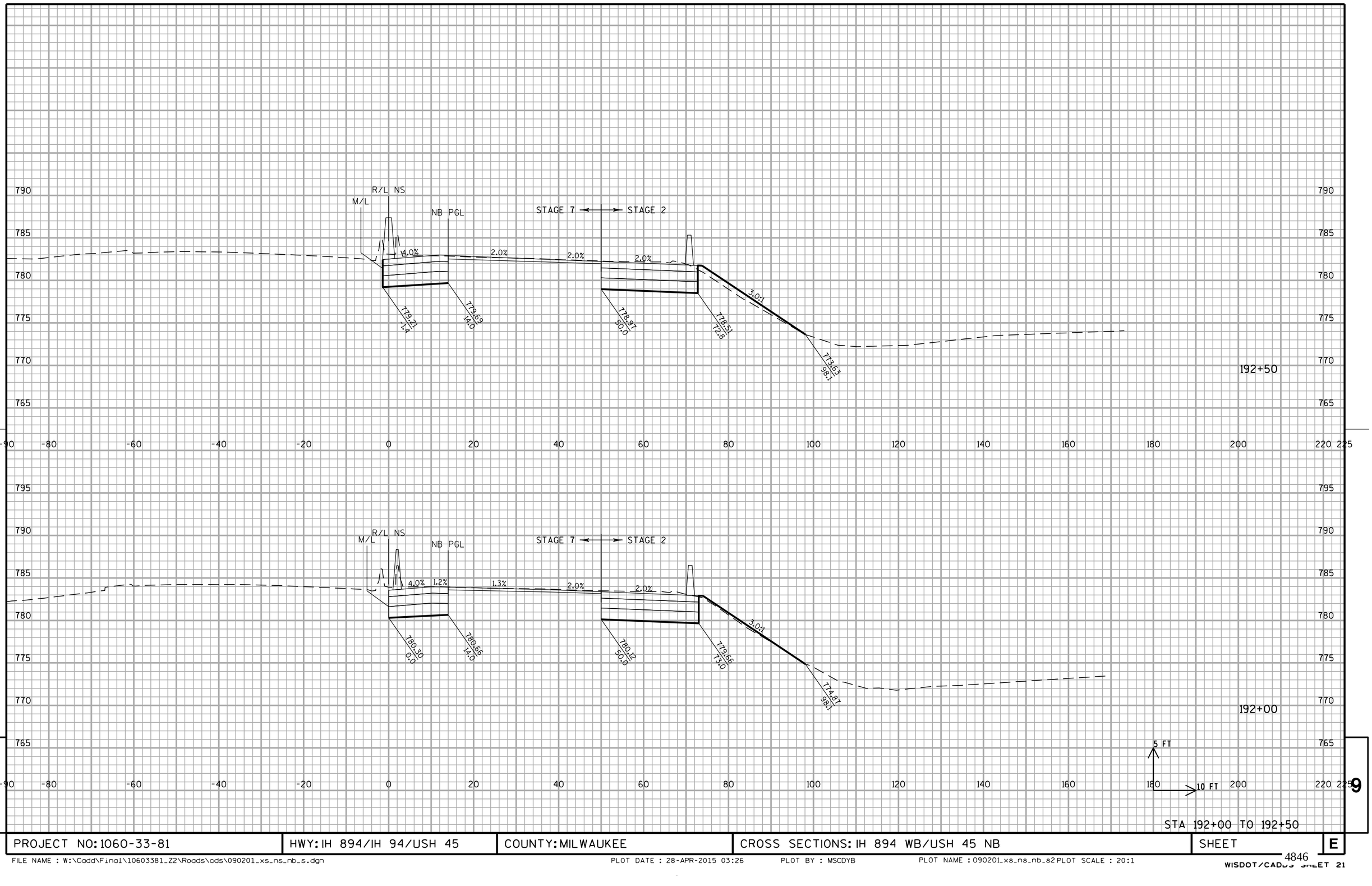
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s PLOT SCALE : 20:1



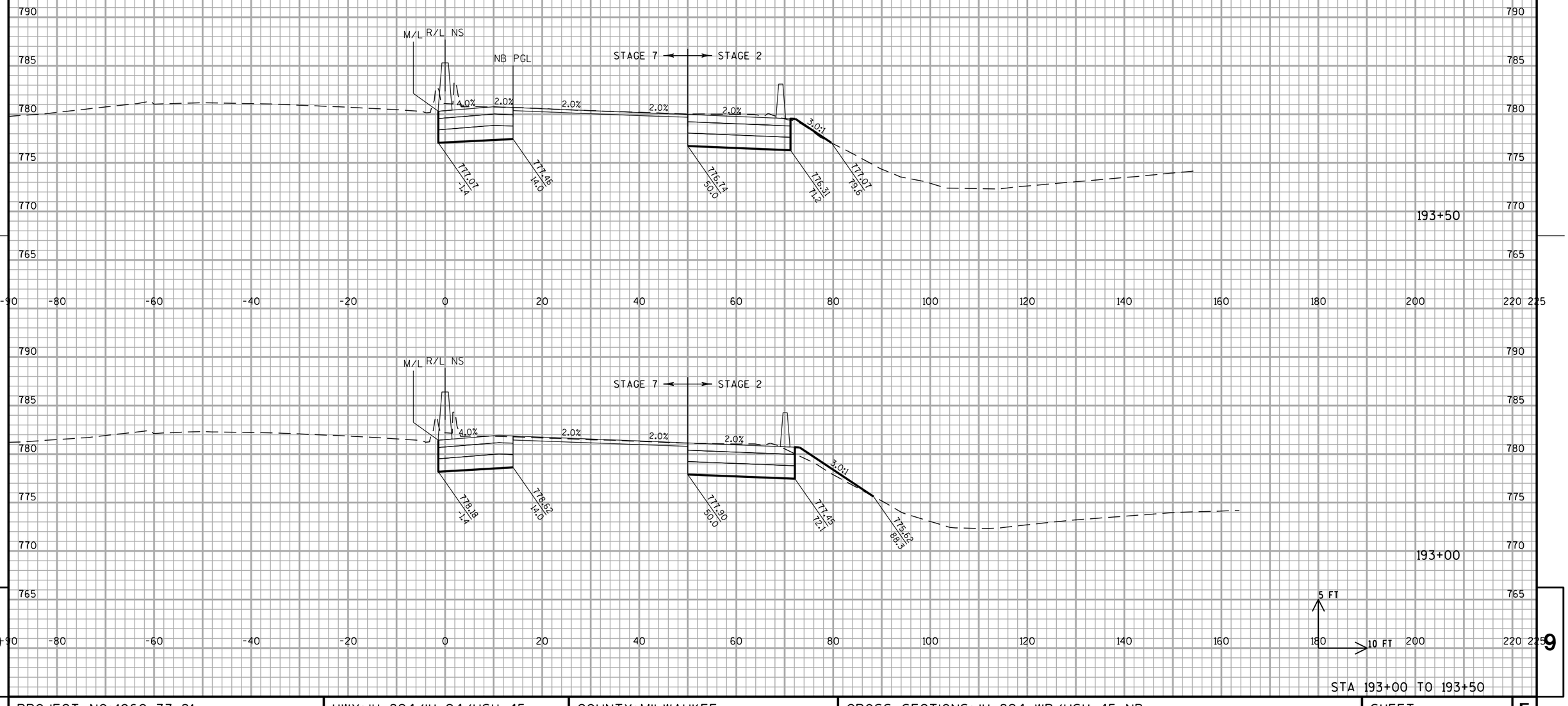
STA 191+00 TO 191+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 192+00 TO 192+50

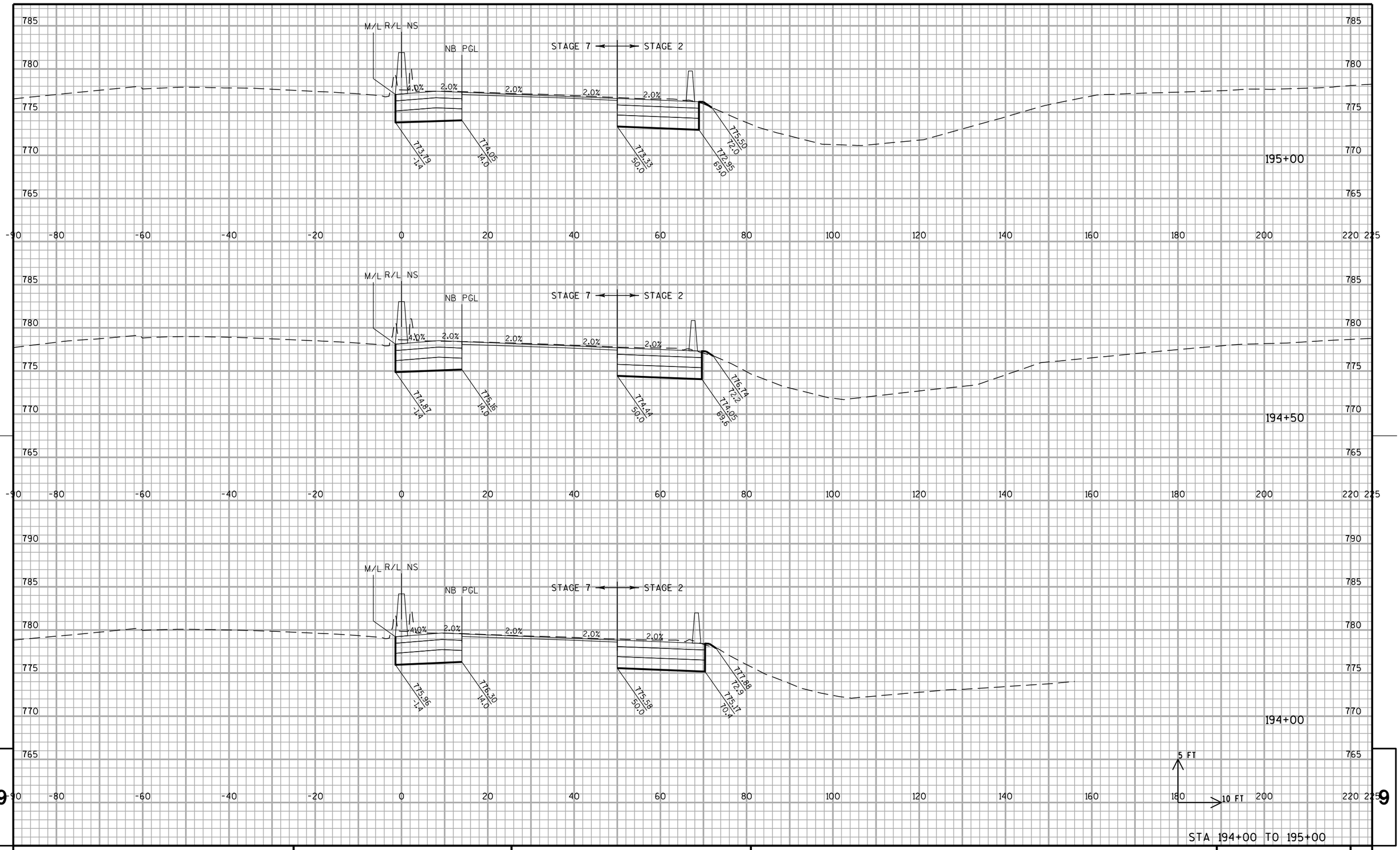
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



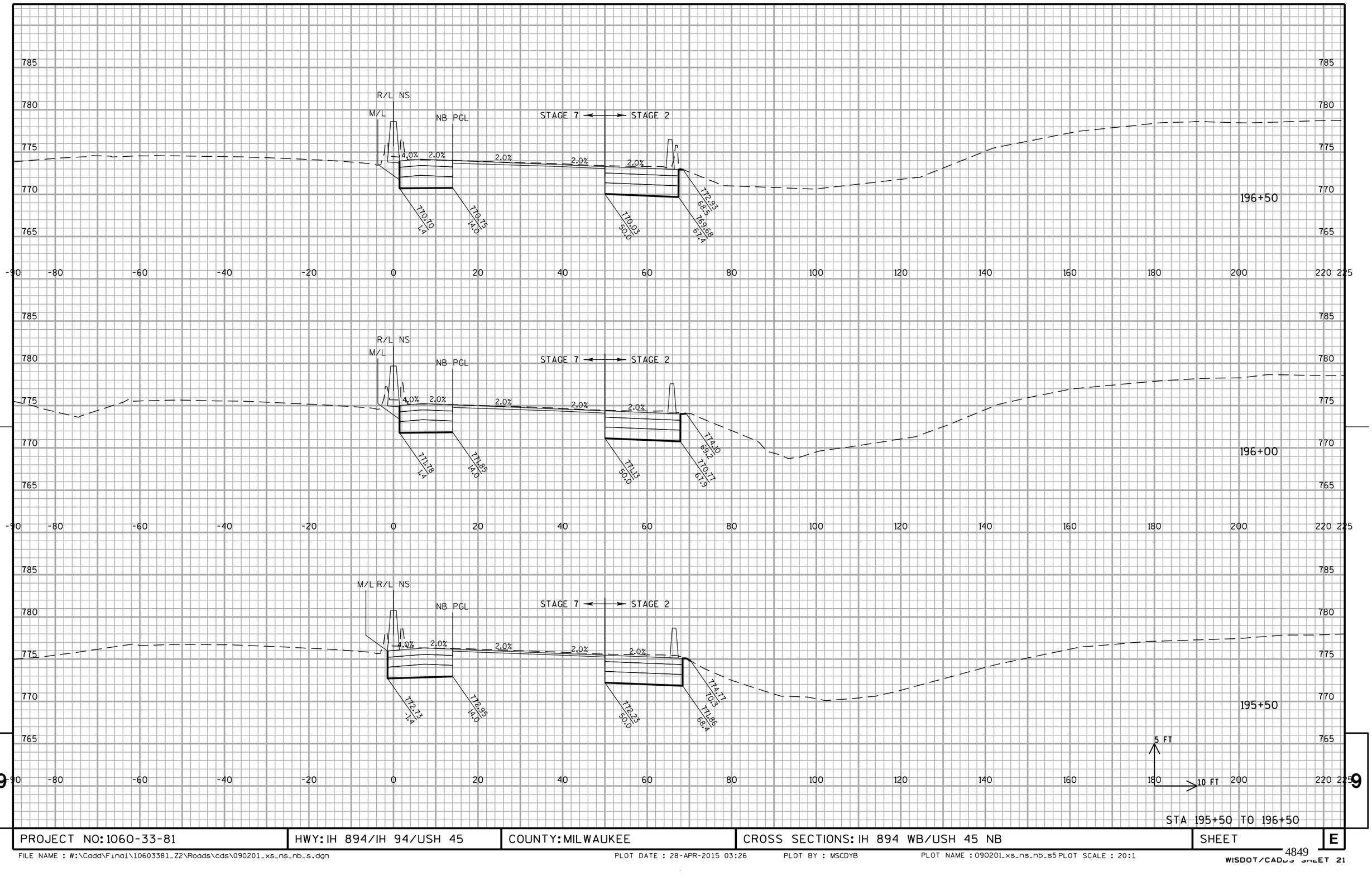
STA 193+00 TO 193+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s3 PLOT SCALE : 20:1



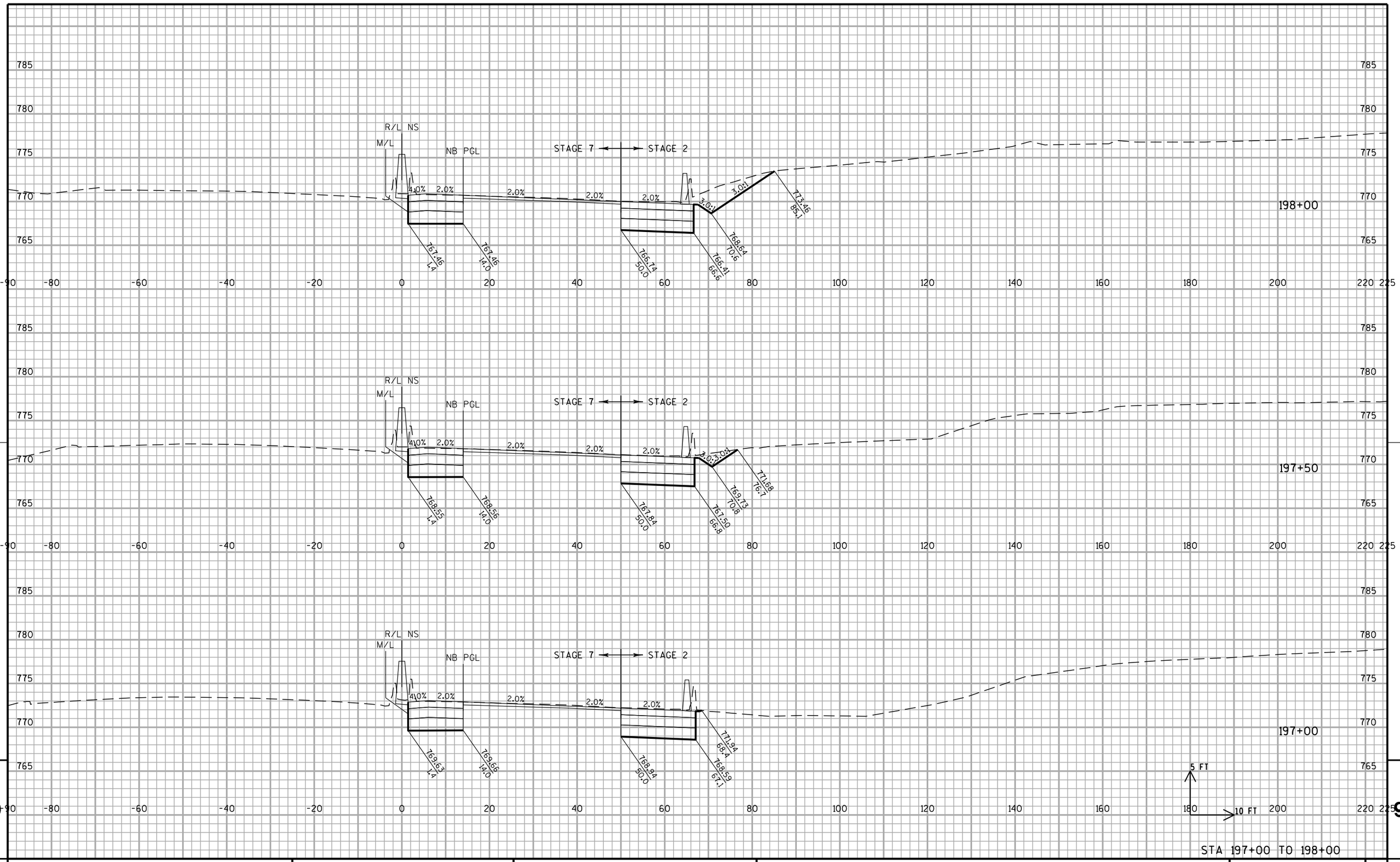
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 195+50 TO 196+50

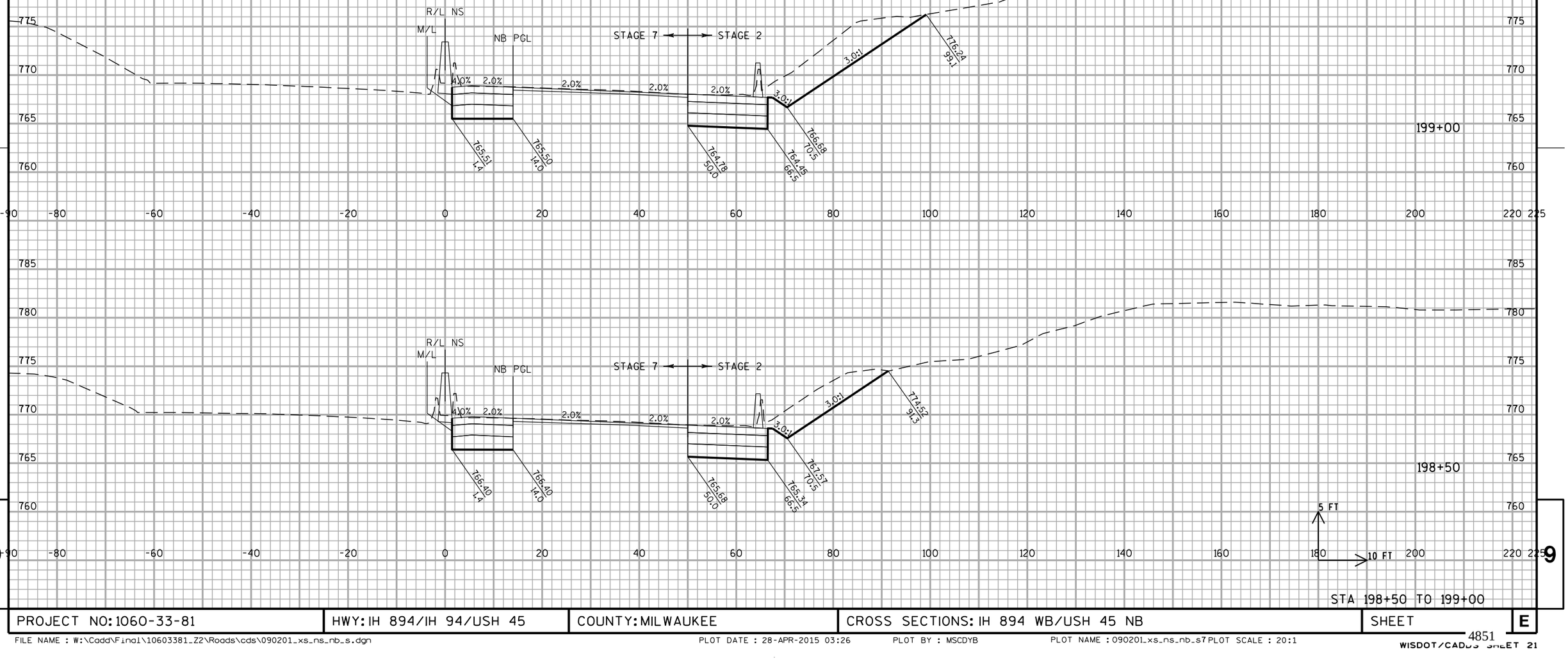
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s5 PLOT SCALE : 20:1



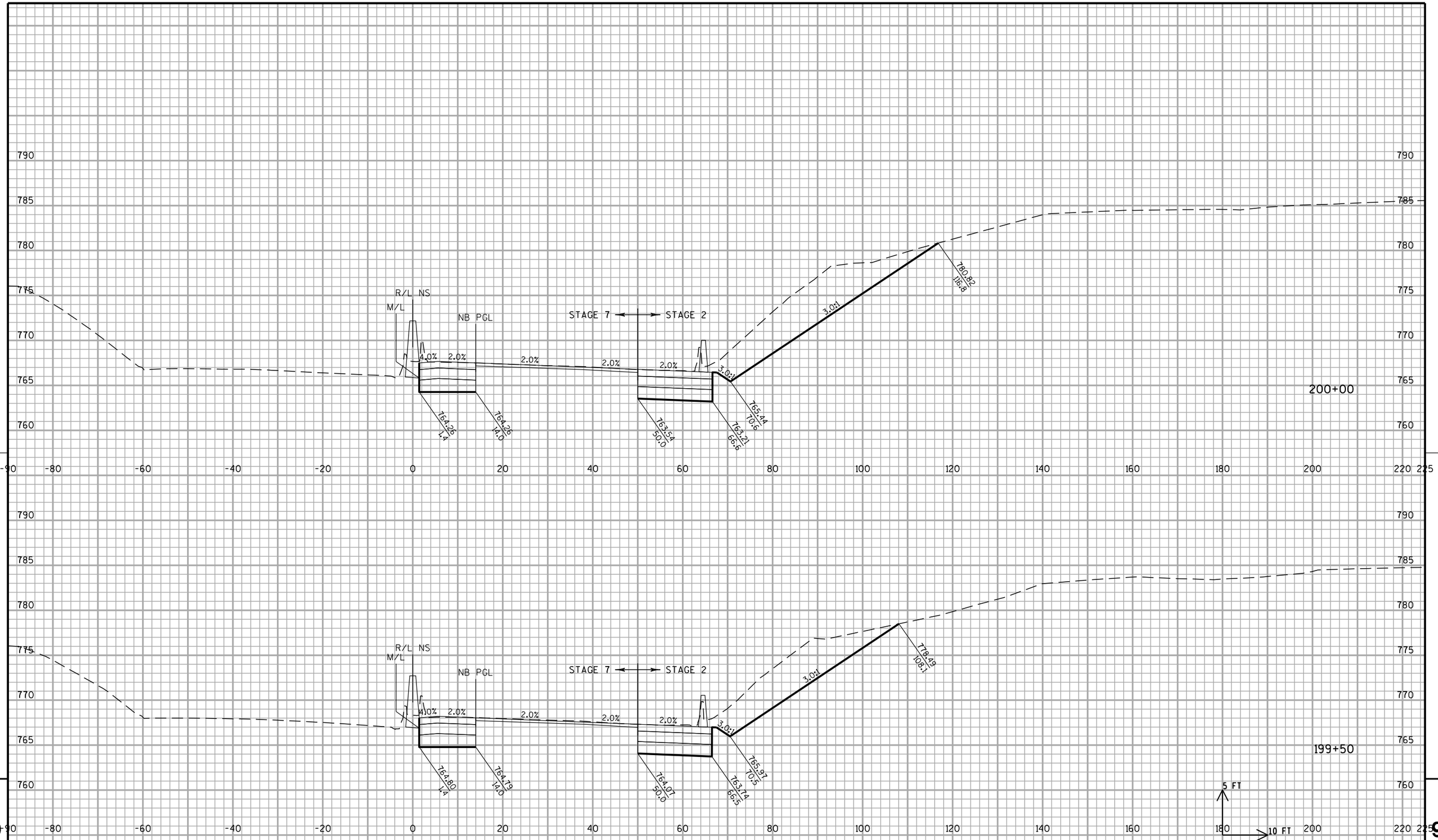
STA 197+00 TO 198+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 198+50 TO 199+00

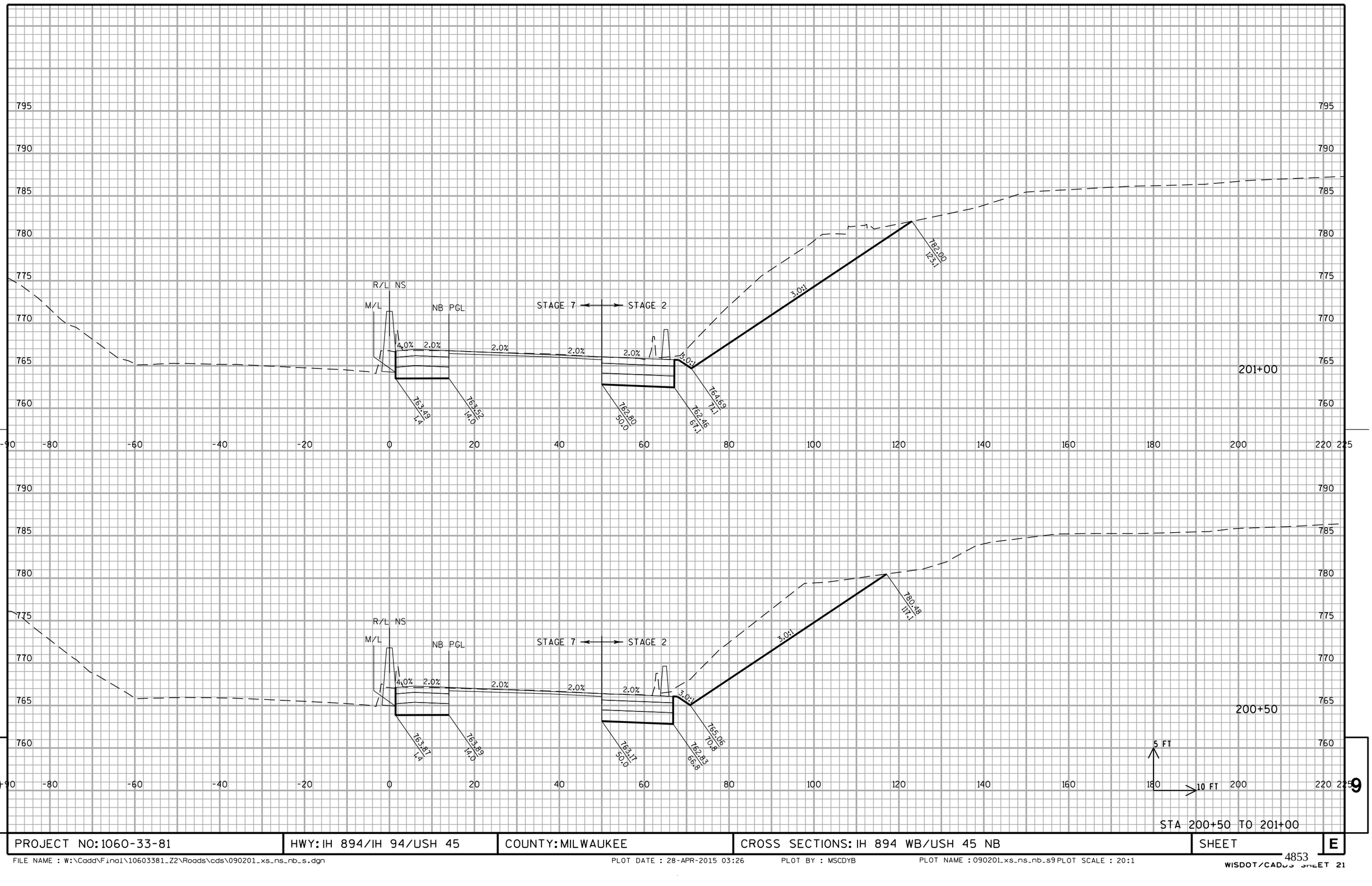
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 199+50 TO 200+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s8 PLOT SCALE : 20:1



9

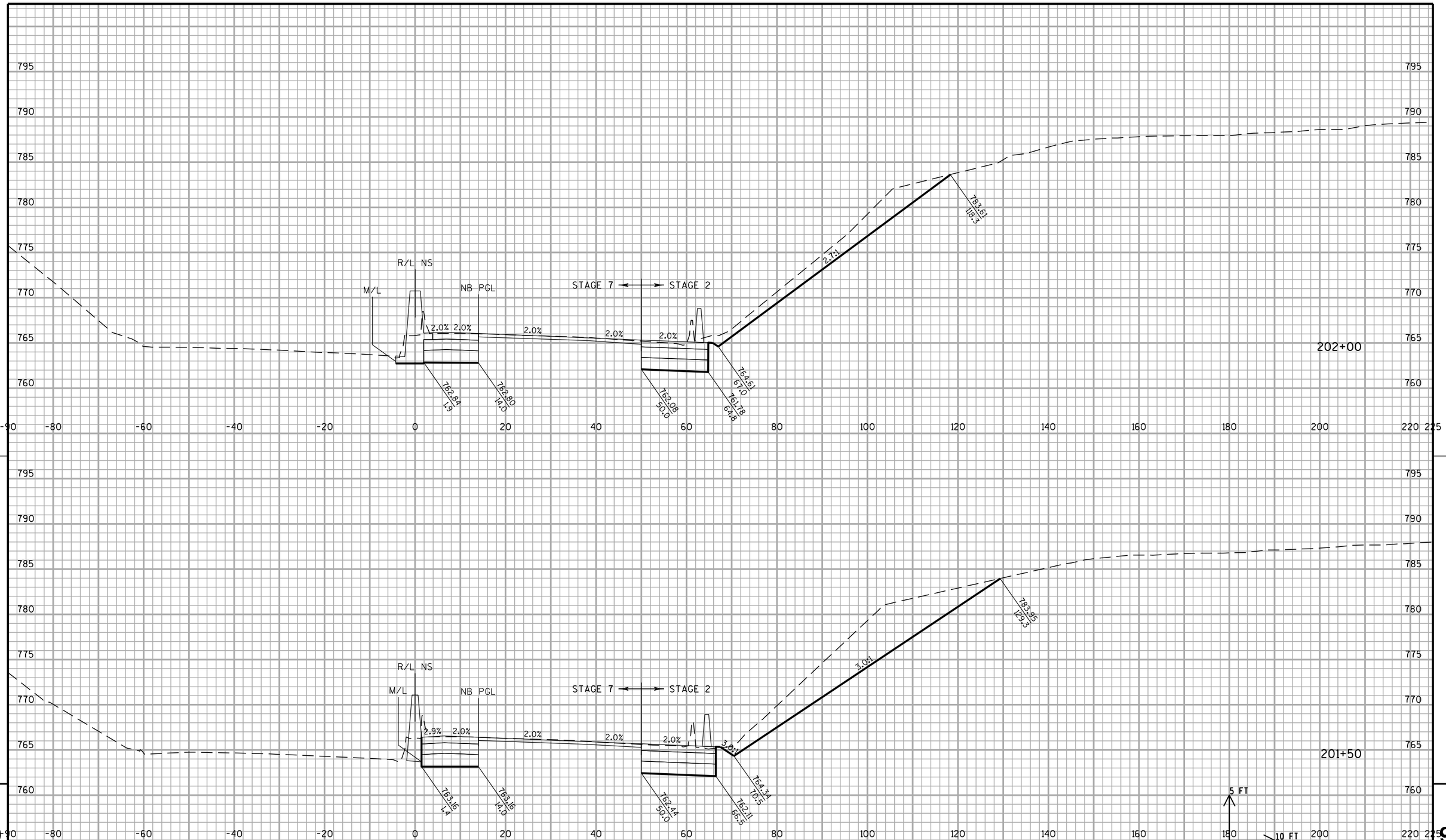
STA 200+50 TO 201+00

9

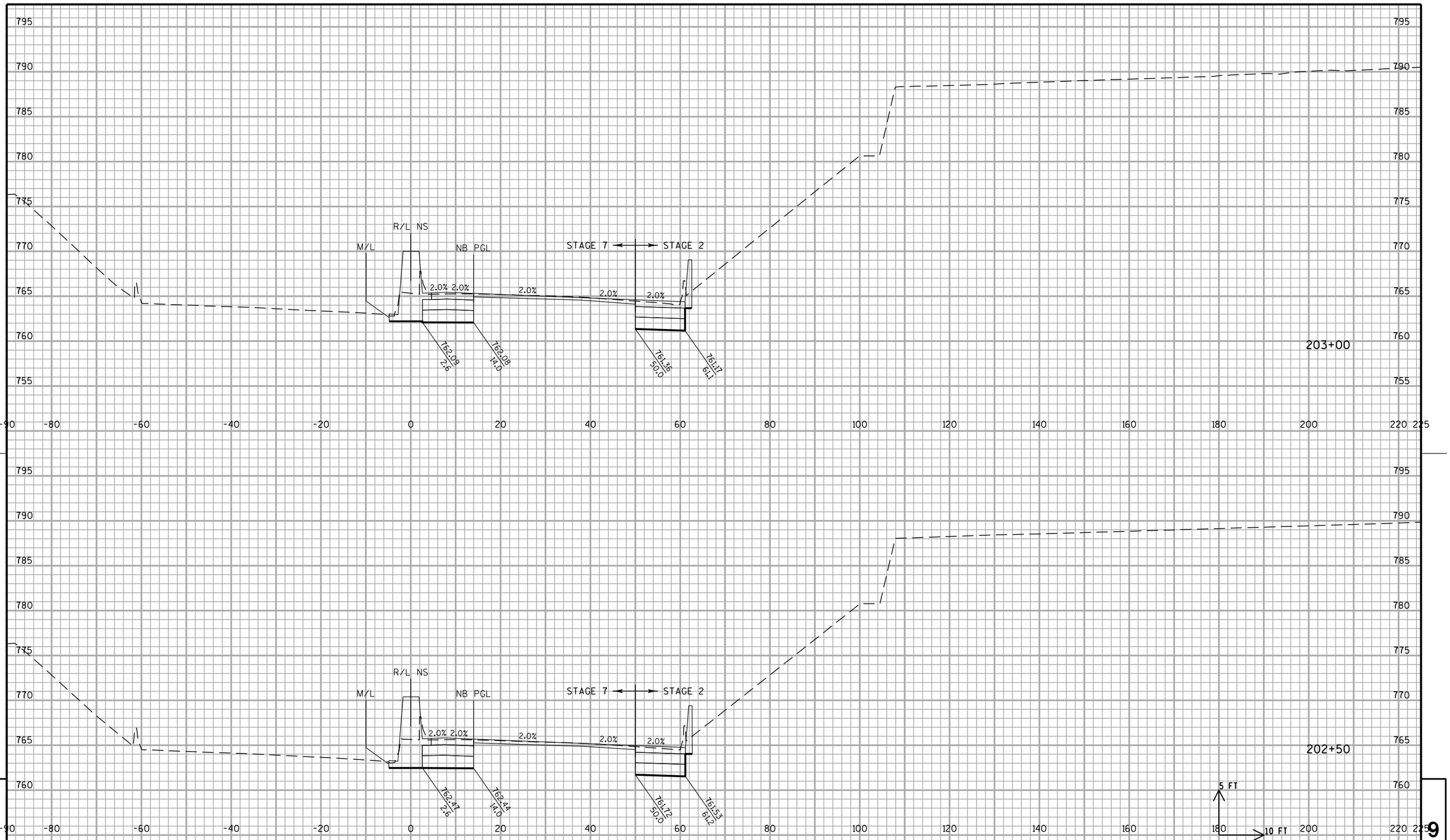
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

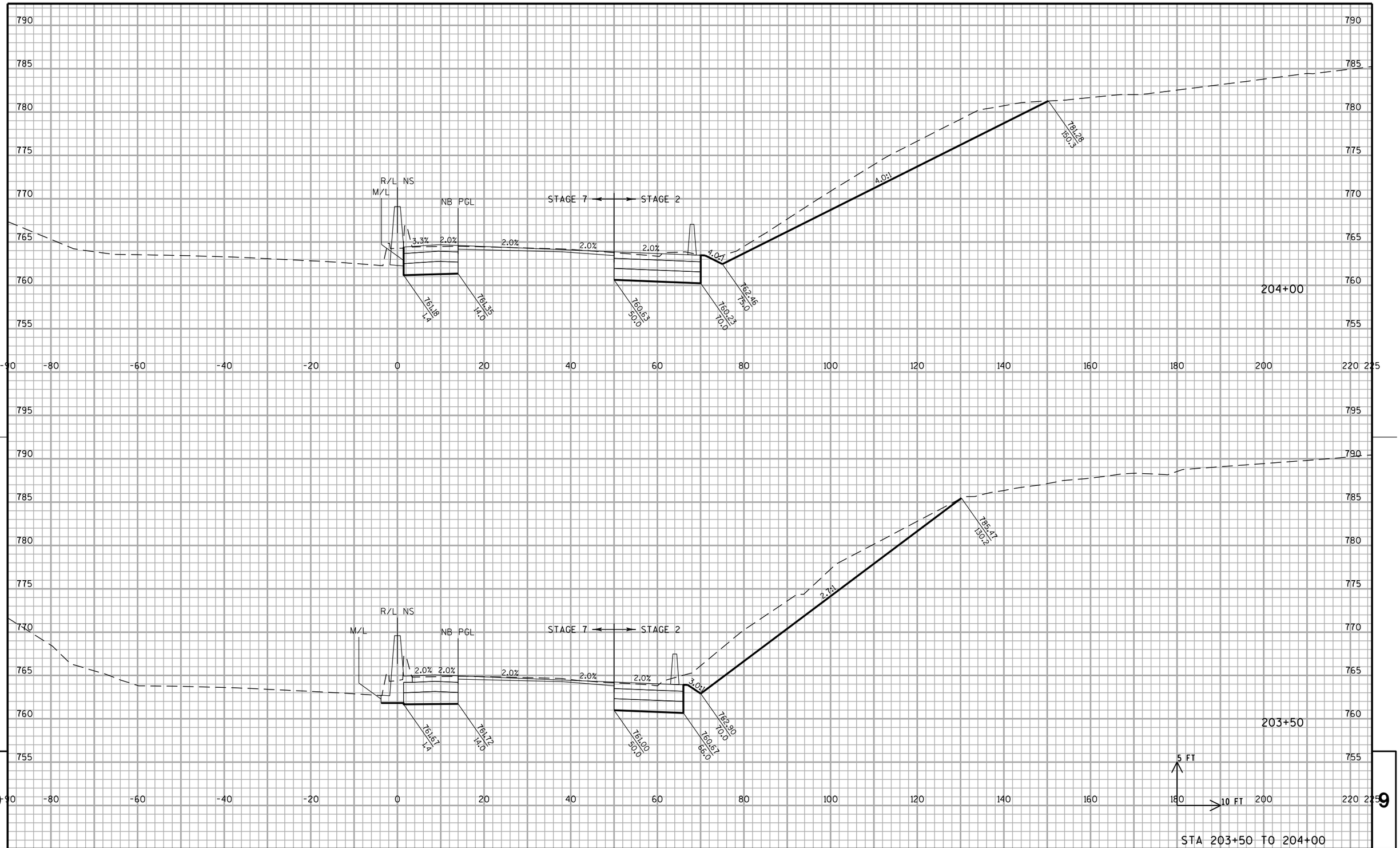


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 202+50 TO 203+00

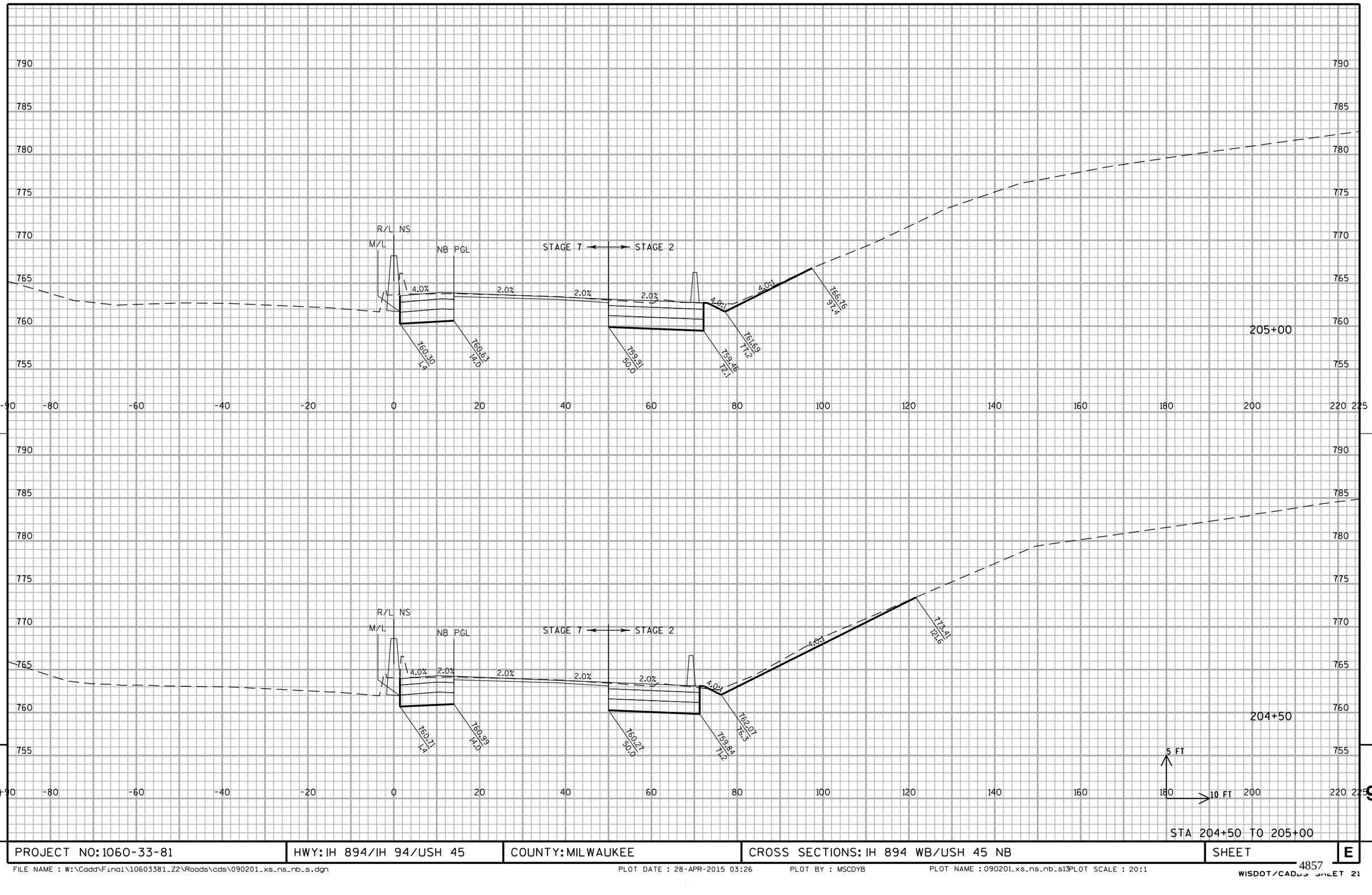
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s12PLOT SCALE : 20:1

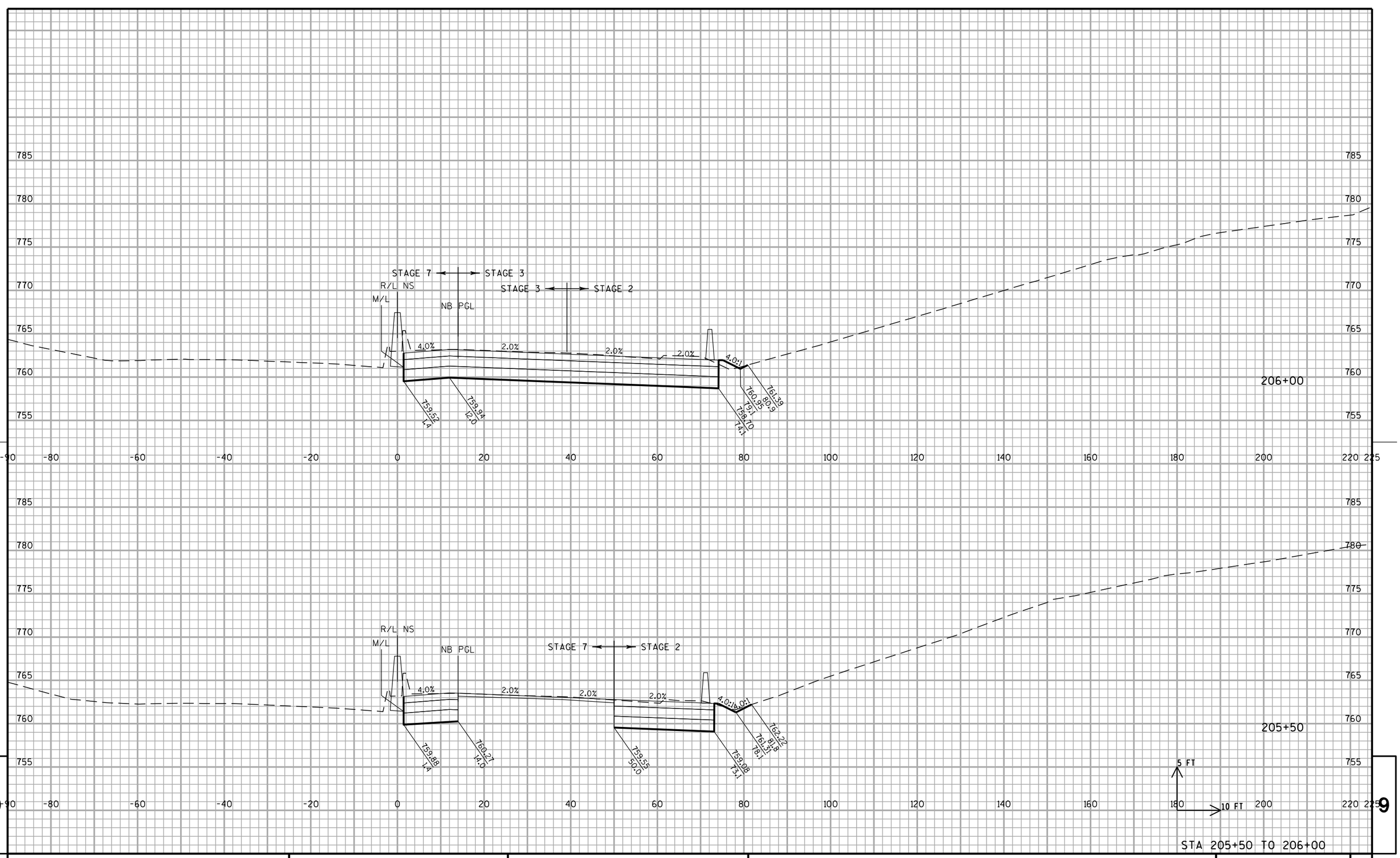
WISDOT/CADDS SHEET 21



9

STA 204+50 TO 205+00

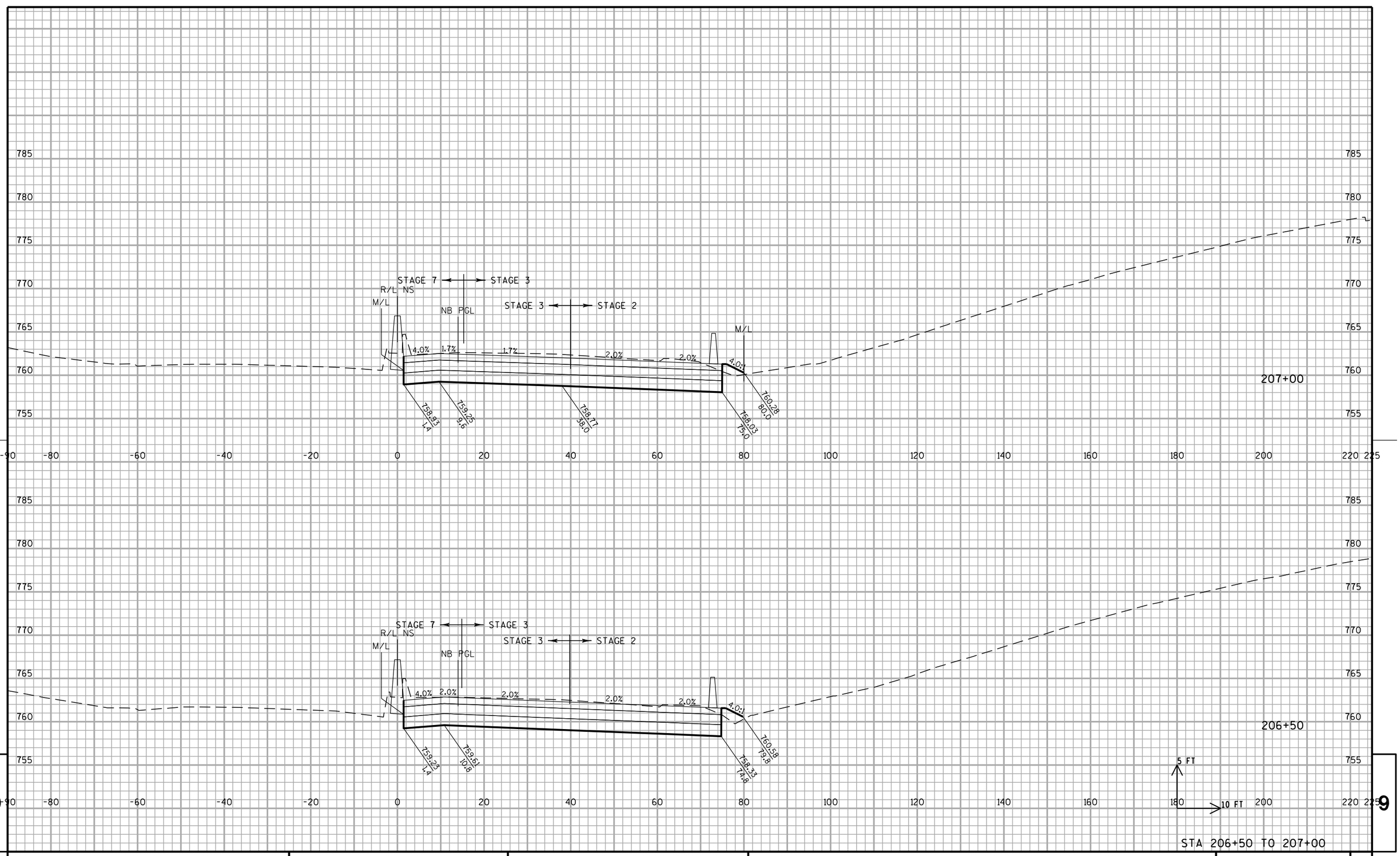
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 205+50 TO 206+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

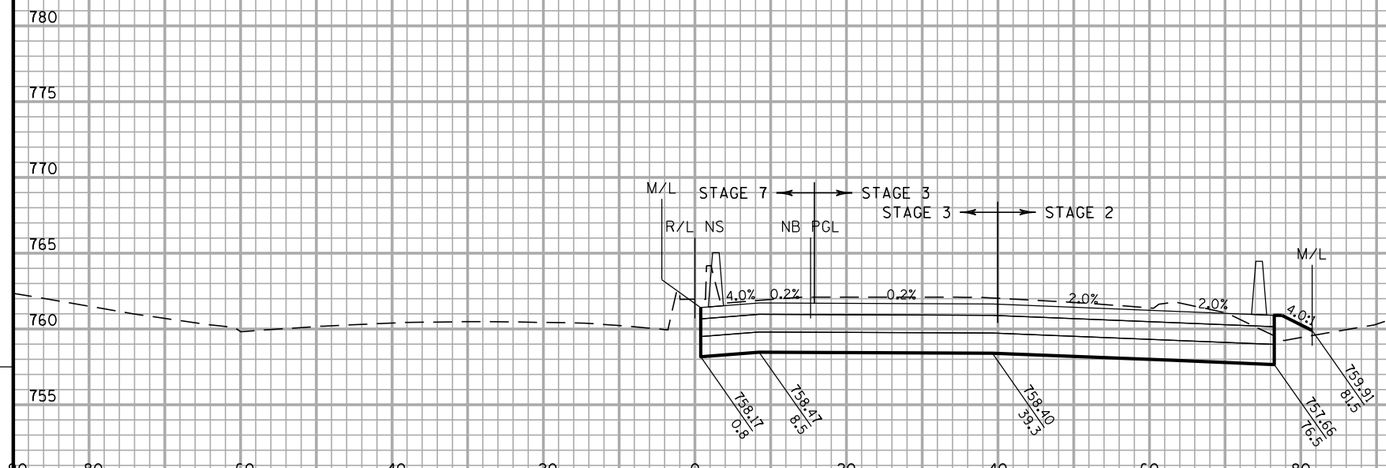
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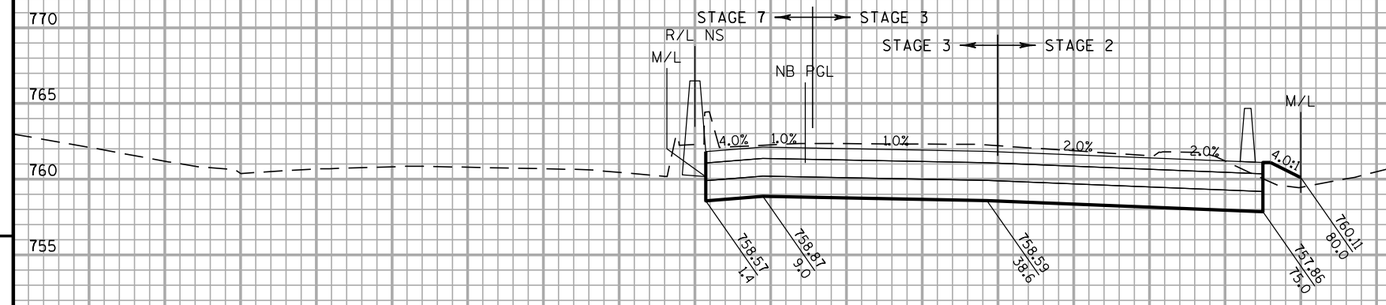
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET E

STA 206+50 TO 207+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s15 PLOT SCALE : 20:1



208+00



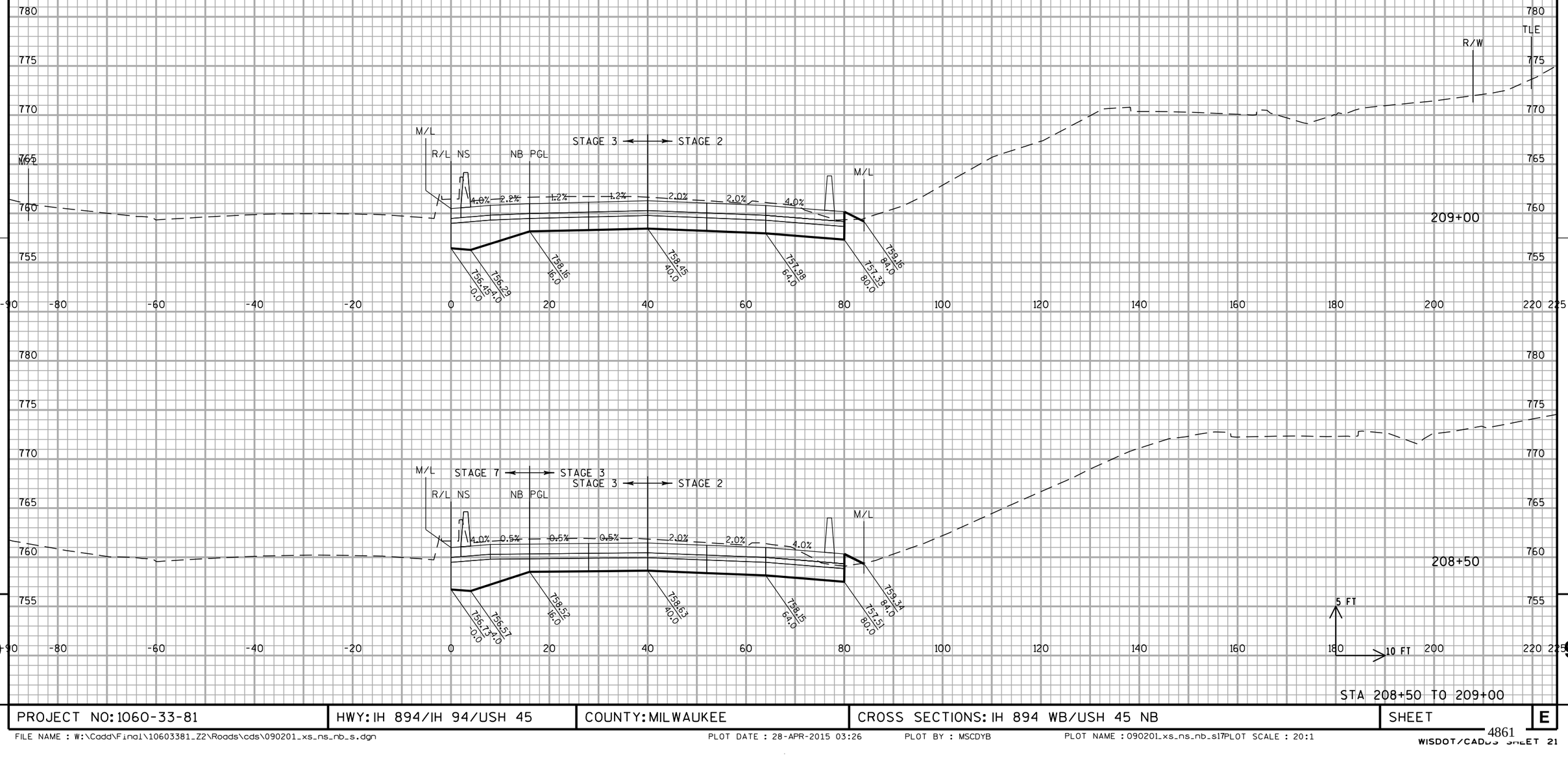
207+50

5 FT
10 FT

STA 207+50 TO 208+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s16PLOT SCALE : 20:1



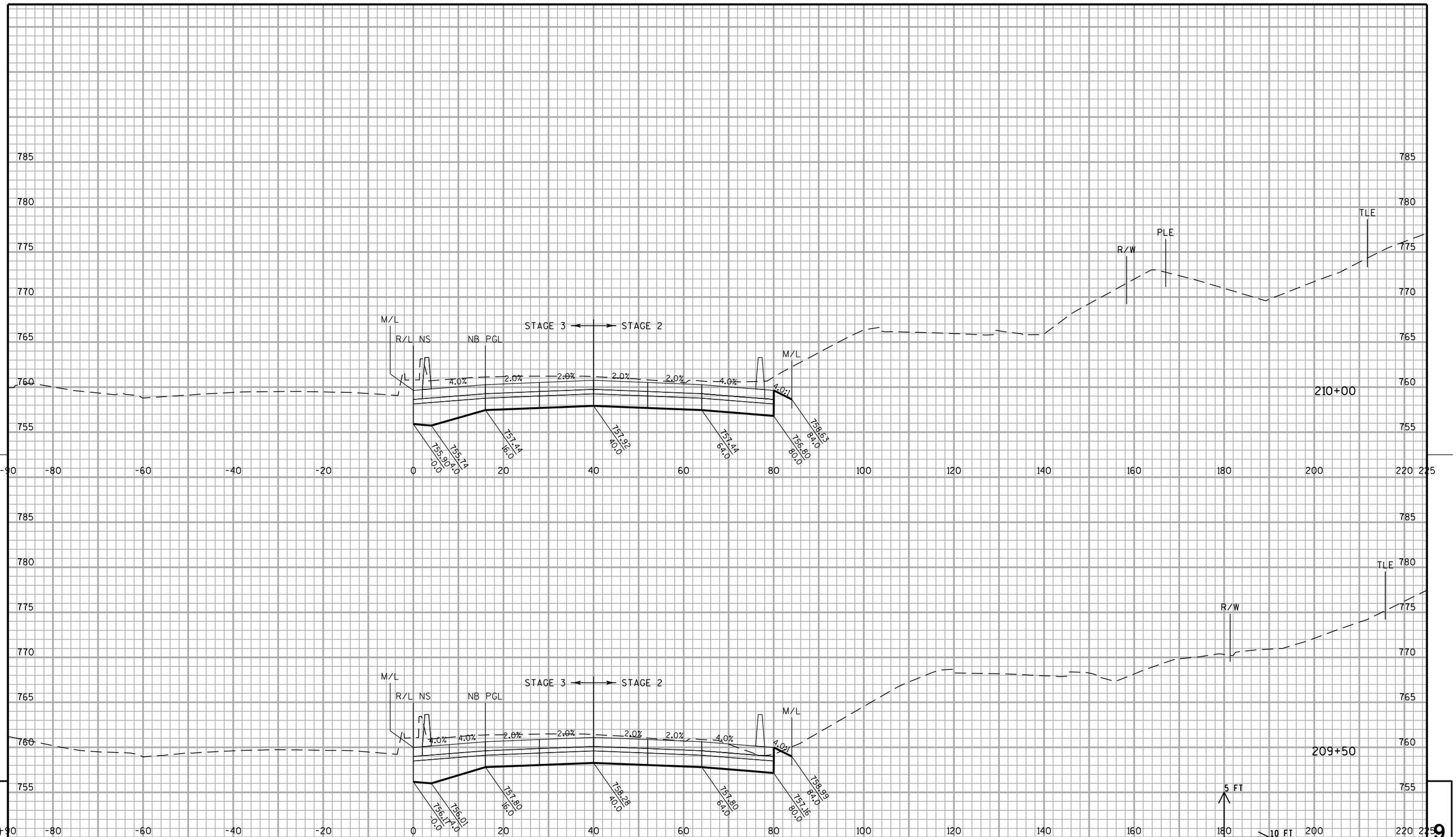
9

STA 208+50 TO 209+00

9

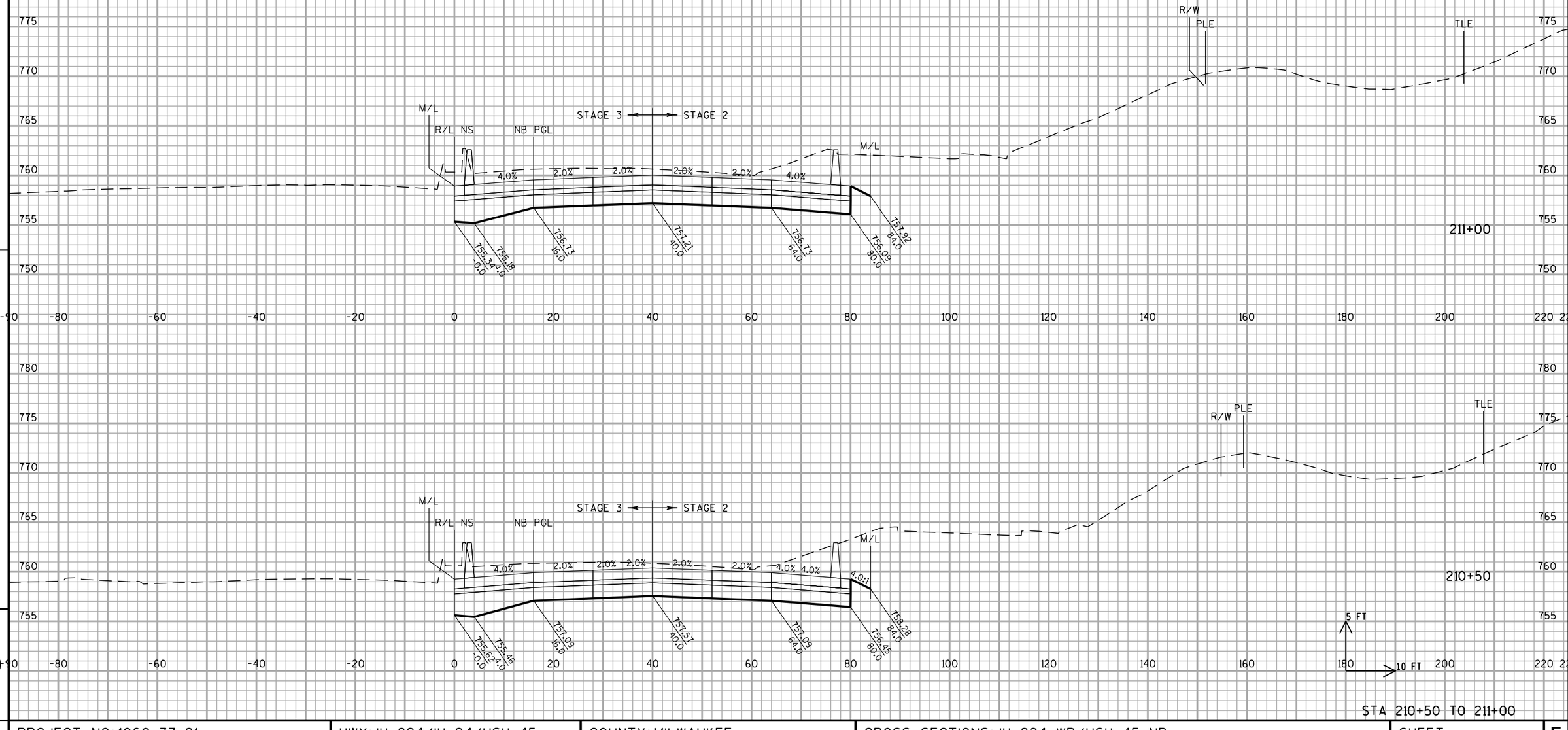
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s17PLOT SCALE : 20:1



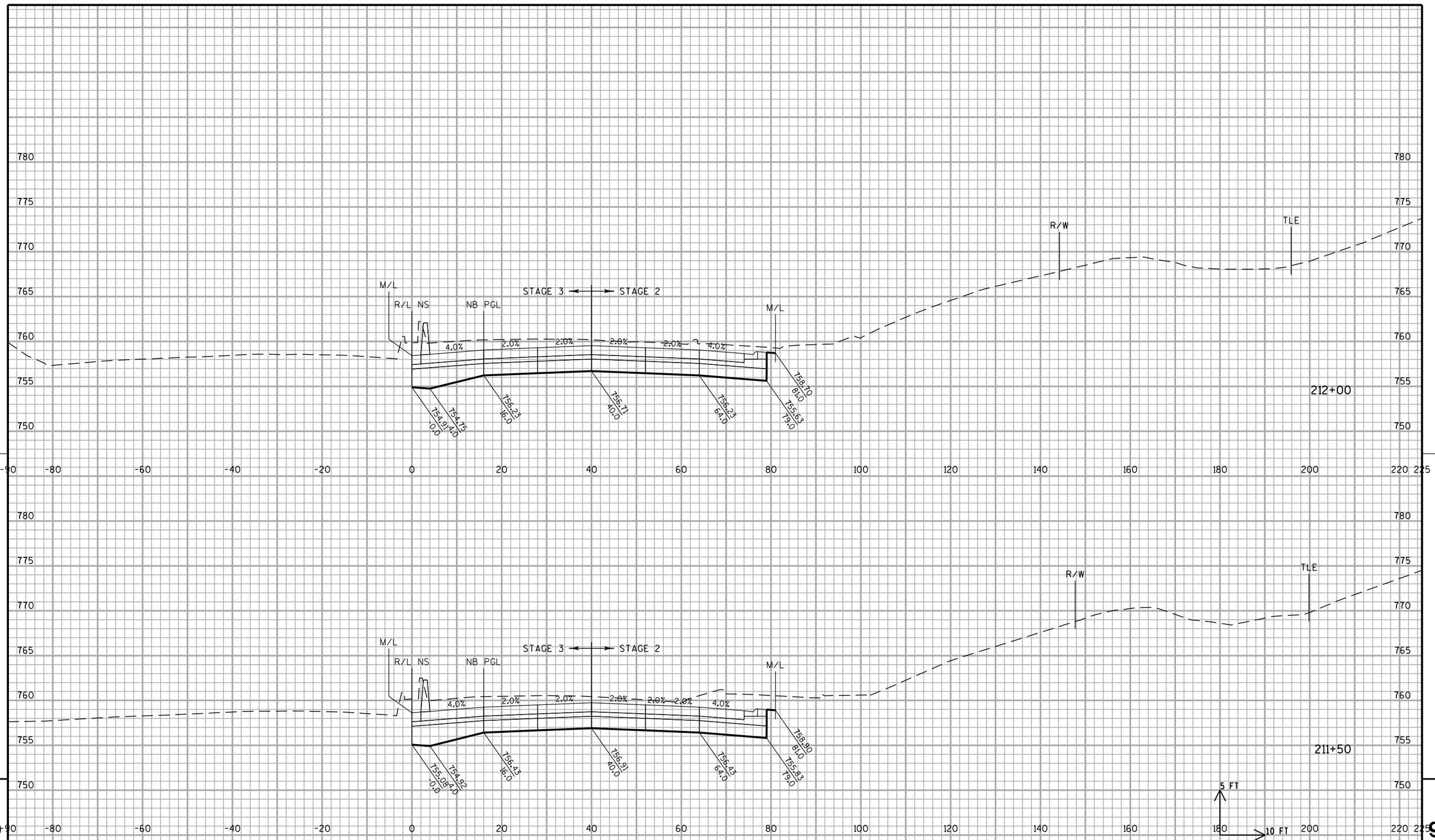
STA 209+50 TO 210+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s19 PLOT SCALE : 20:1



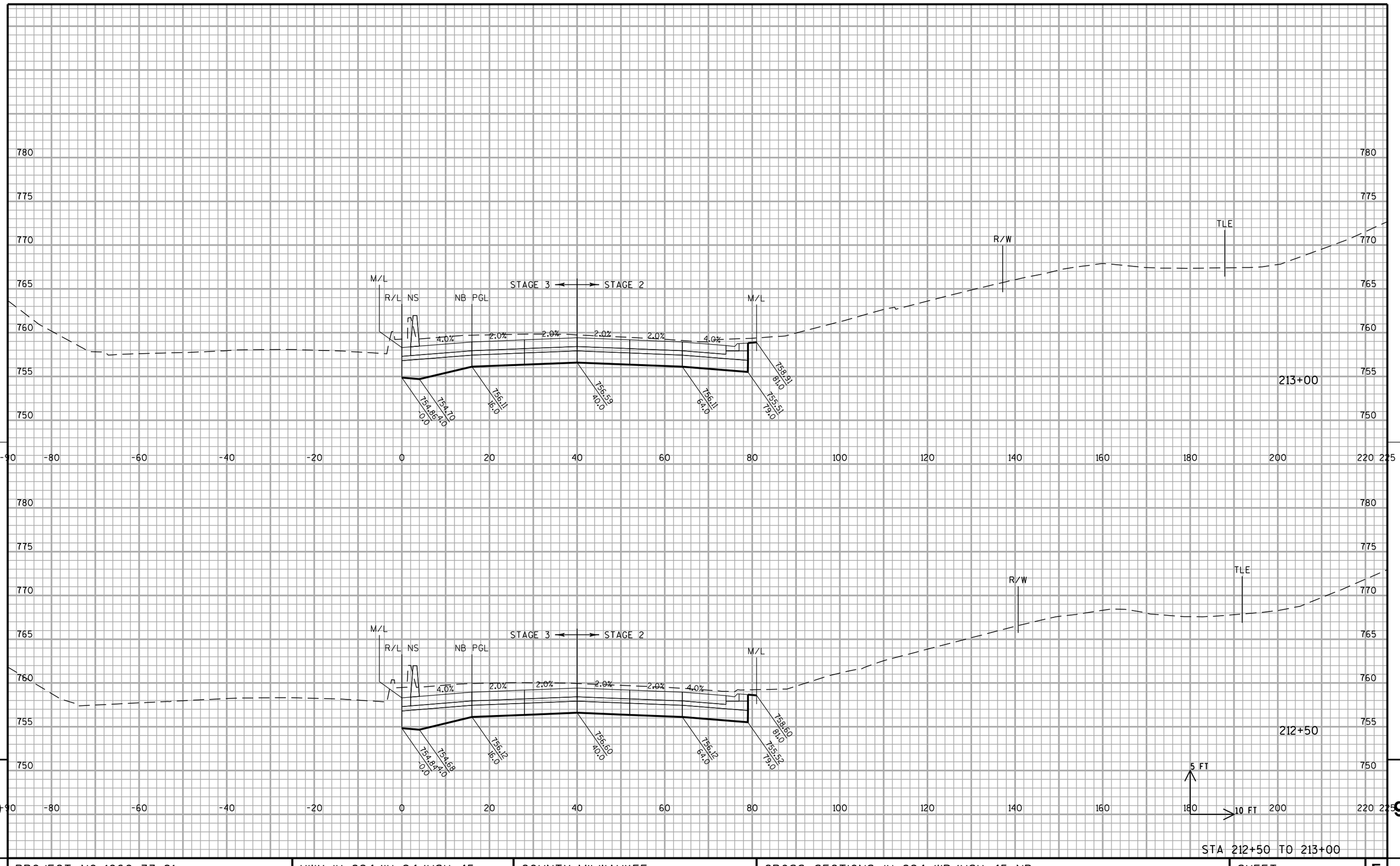
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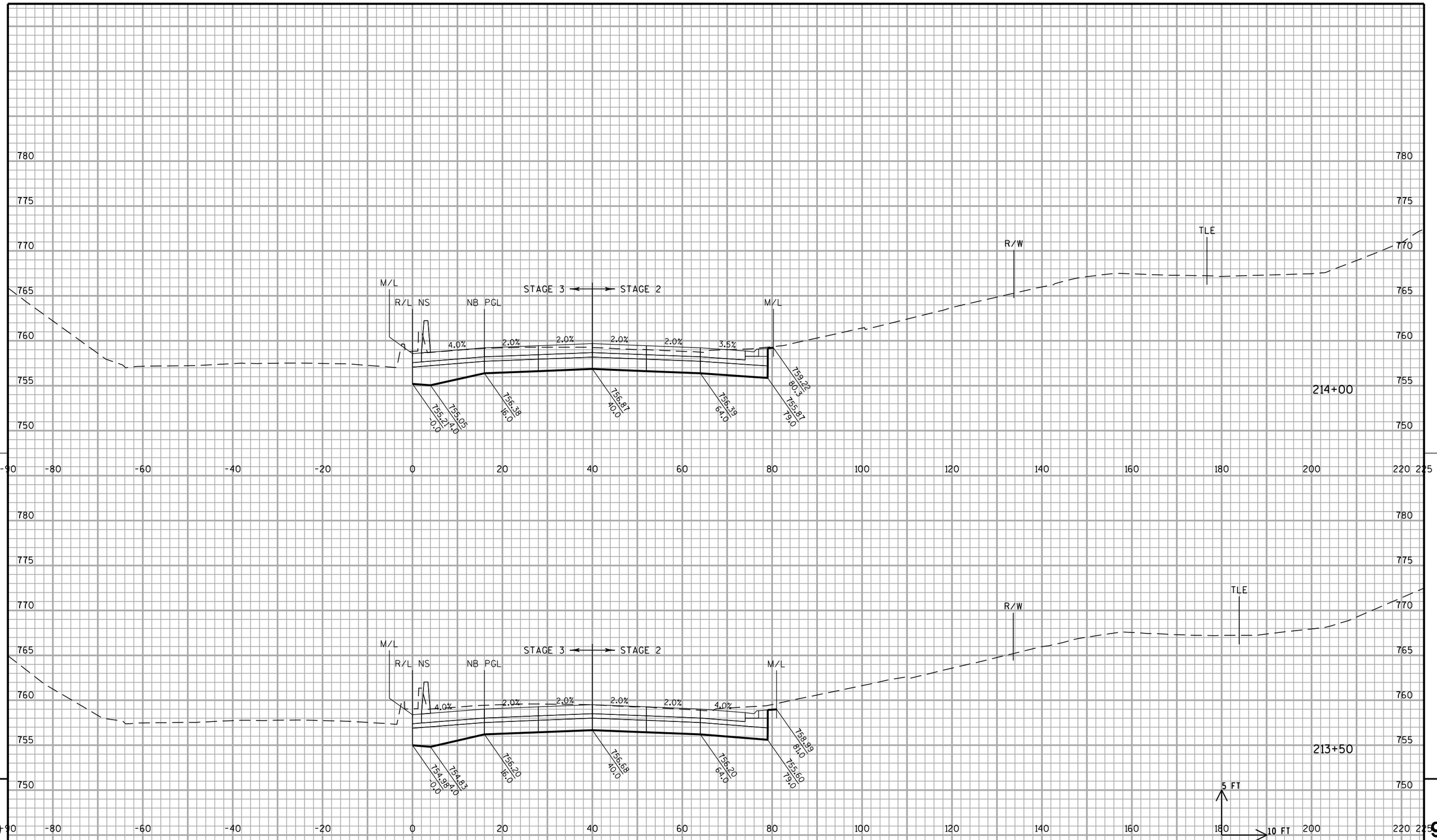
STA 211+50 TO 212+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

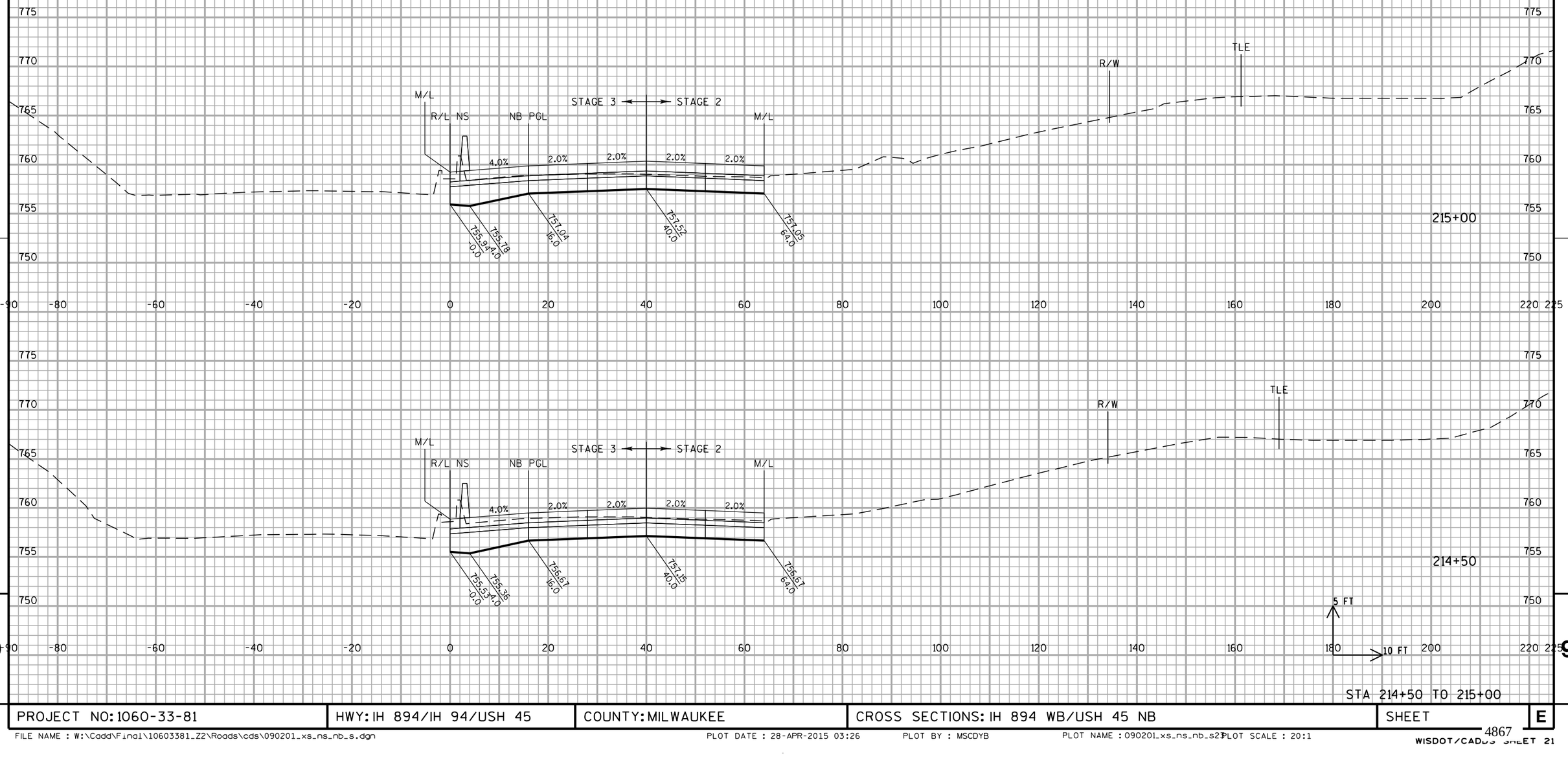
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PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

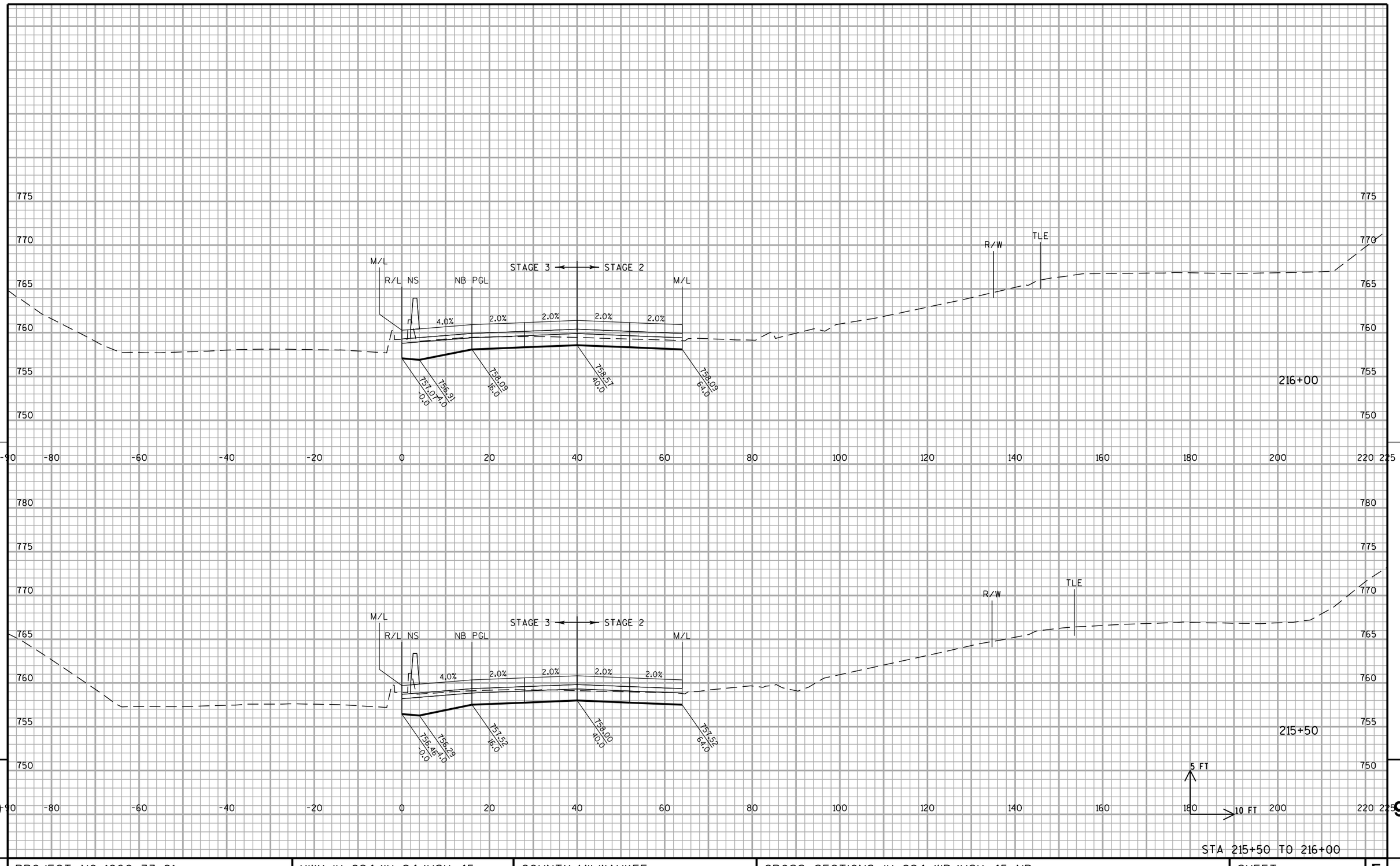


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 214+50 TO 215+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



9

9

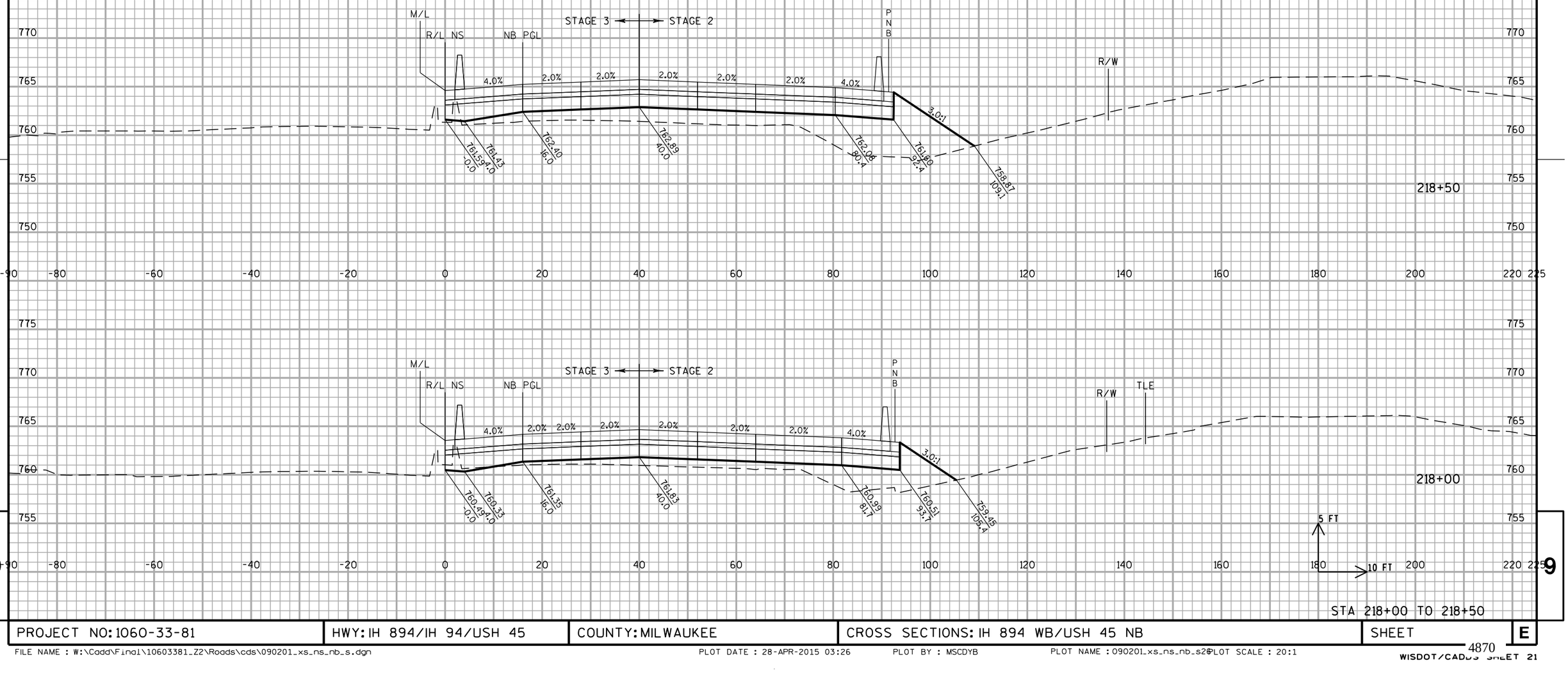
STA 215+50 TO 216+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

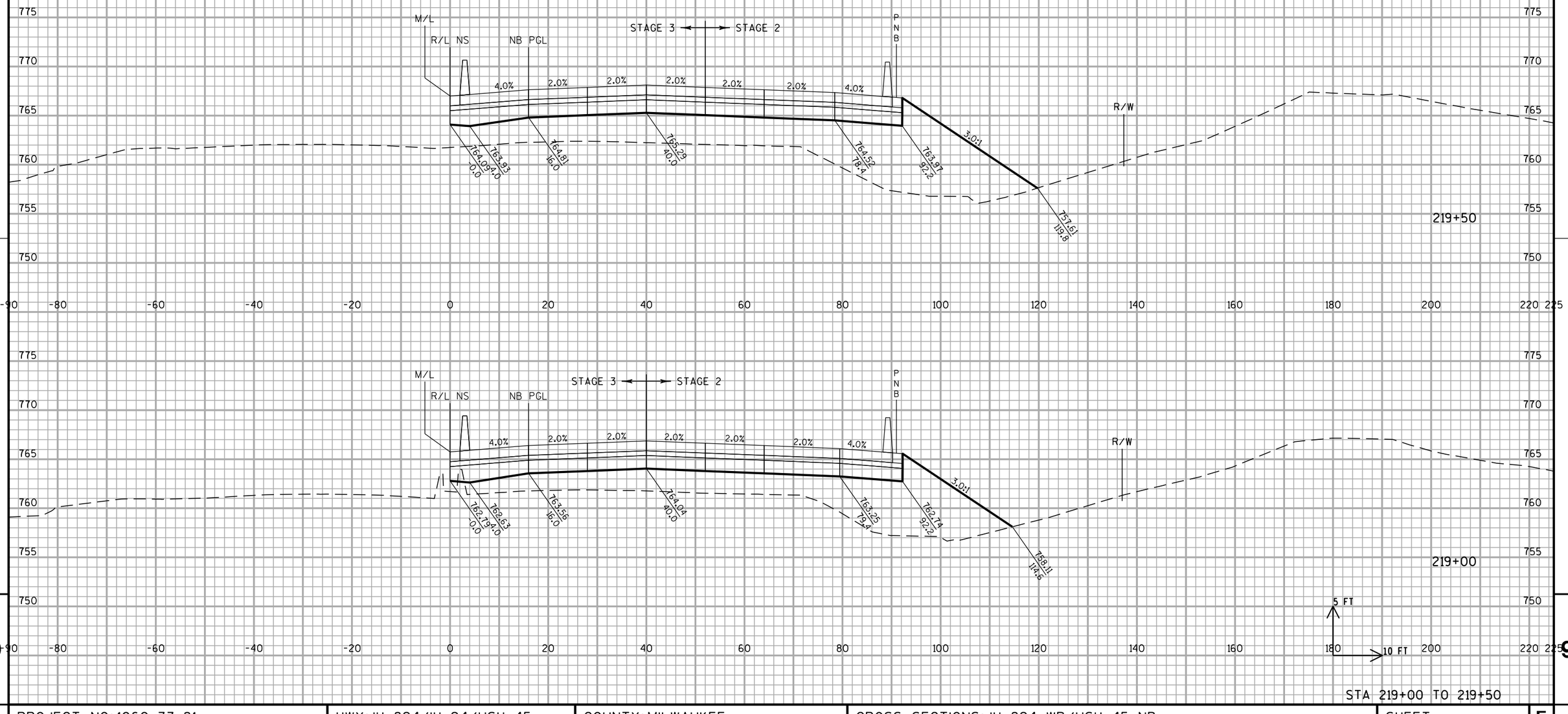


9

PROJECT NO: 1060-33-81 | HWY: IH 894/IH 94/USH 45 | COUNTY: MILWAUKEE | CROSS SECTIONS: IH 894 WB/USH 45 NB | SHEET E

STA 218+00 TO 218+50

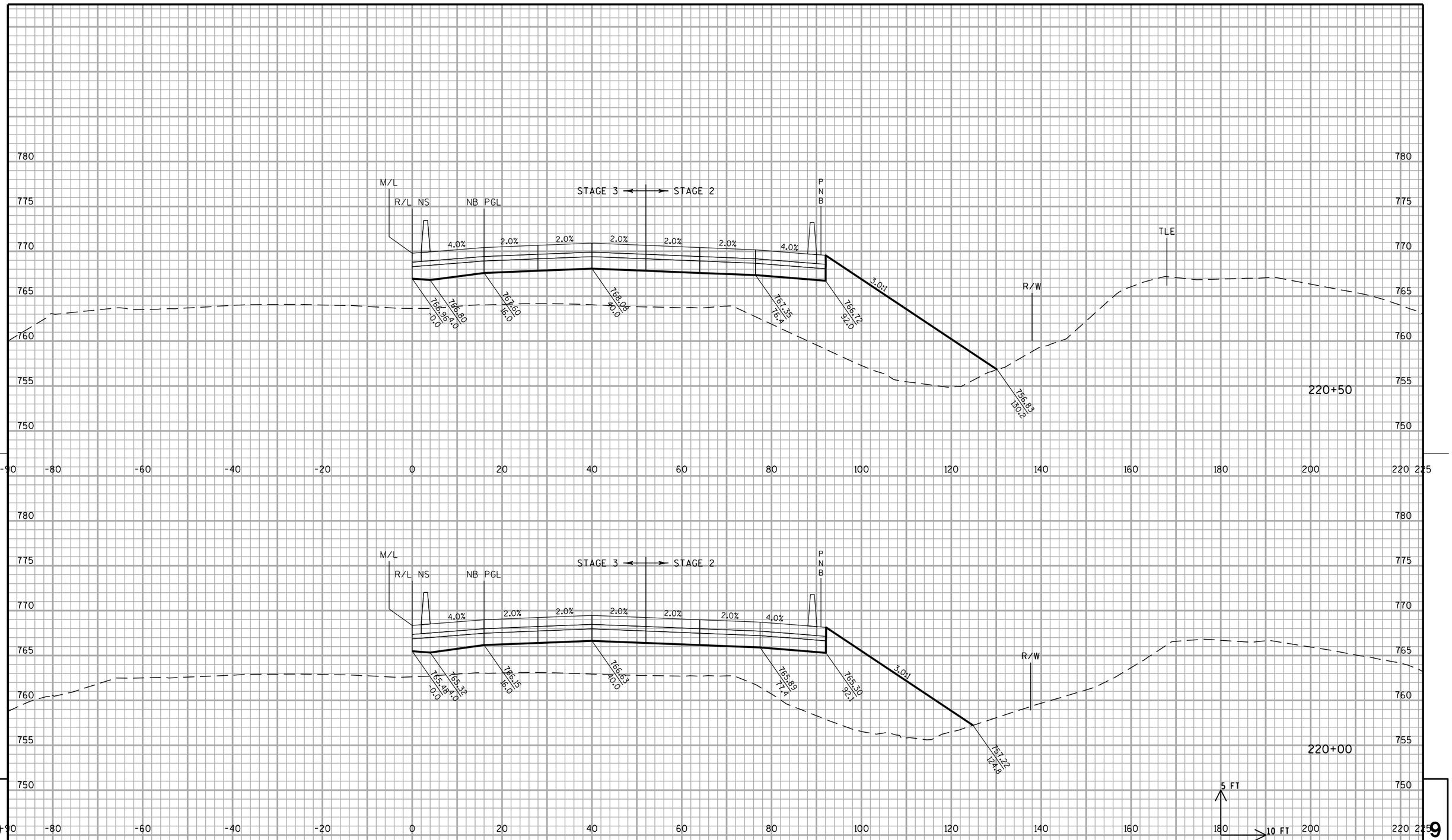
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PLOT DATE : 28-APR-2015 03:26
PLOT BY : MSCDYB
PLOT NAME : 090201_xs_ns_nb_s2
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 219+00 TO 219+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s2 PLOT SCALE : 20:1



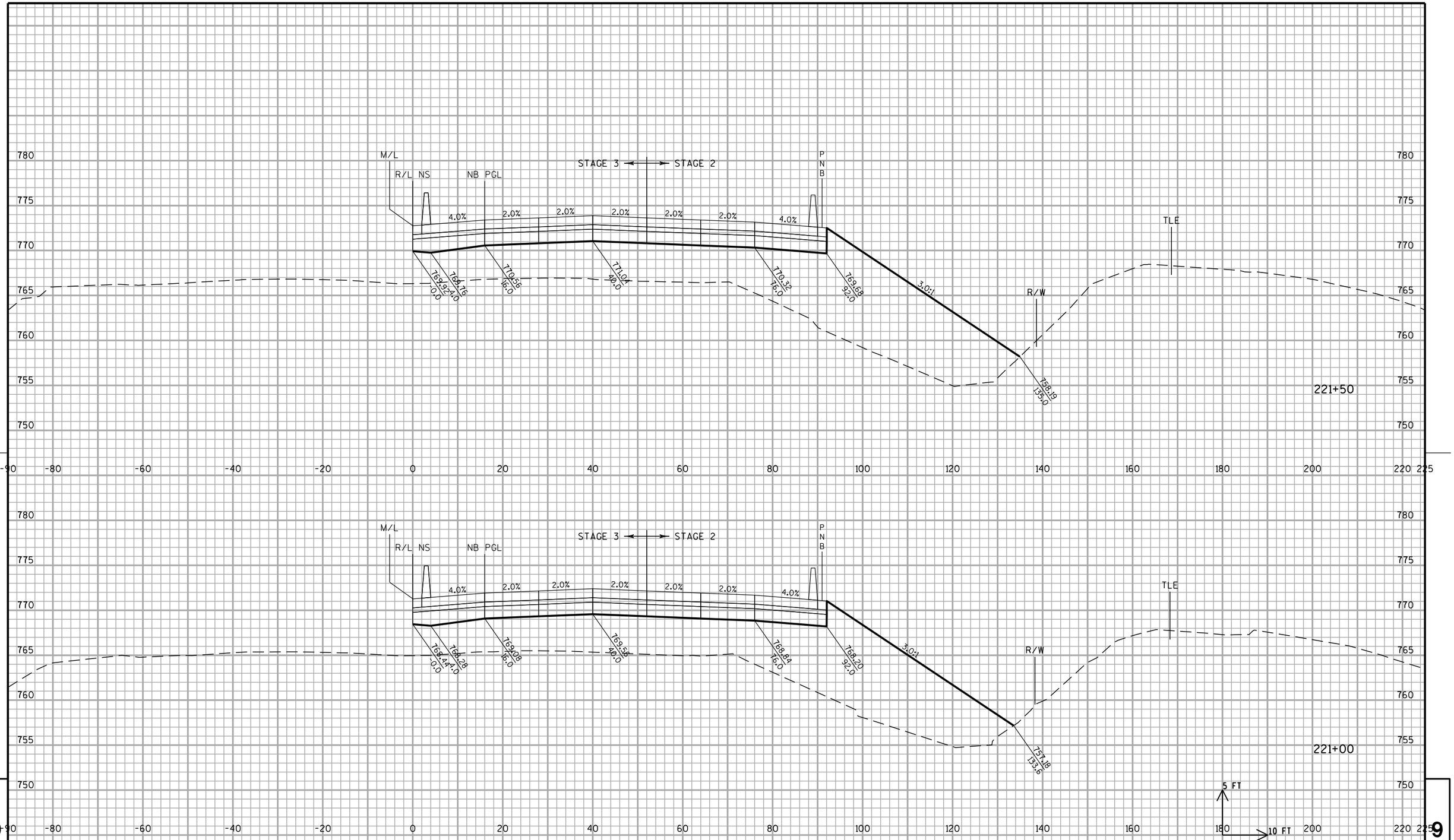
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

STA 220+00 TO 220+50

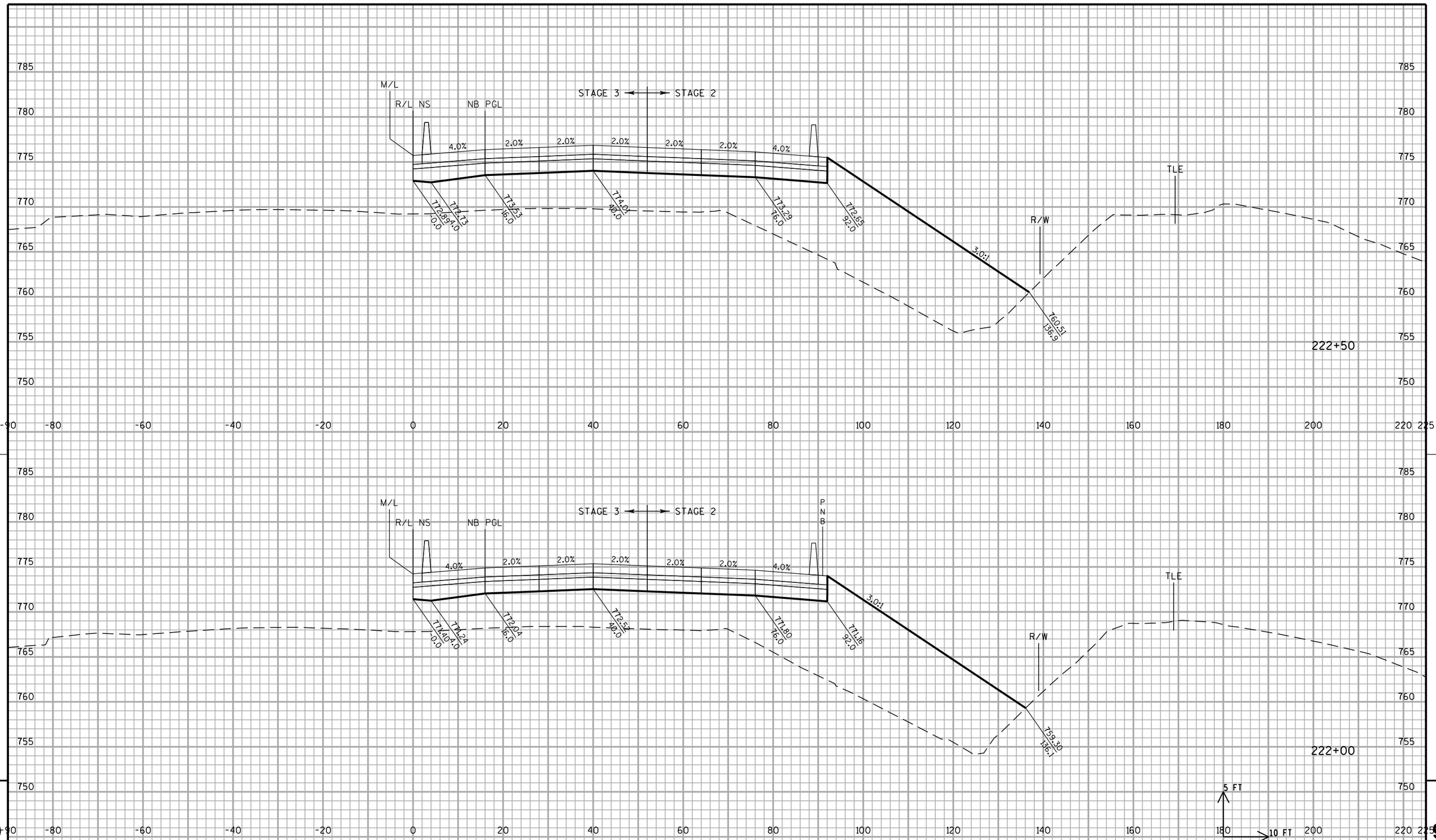
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FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn
PLOT DATE : 28-APR-2015 03:26
PLOT BY : MSCDYB
PLOT NAME : 090201_xs_ns_nb_s28
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 221+00 TO 221+50

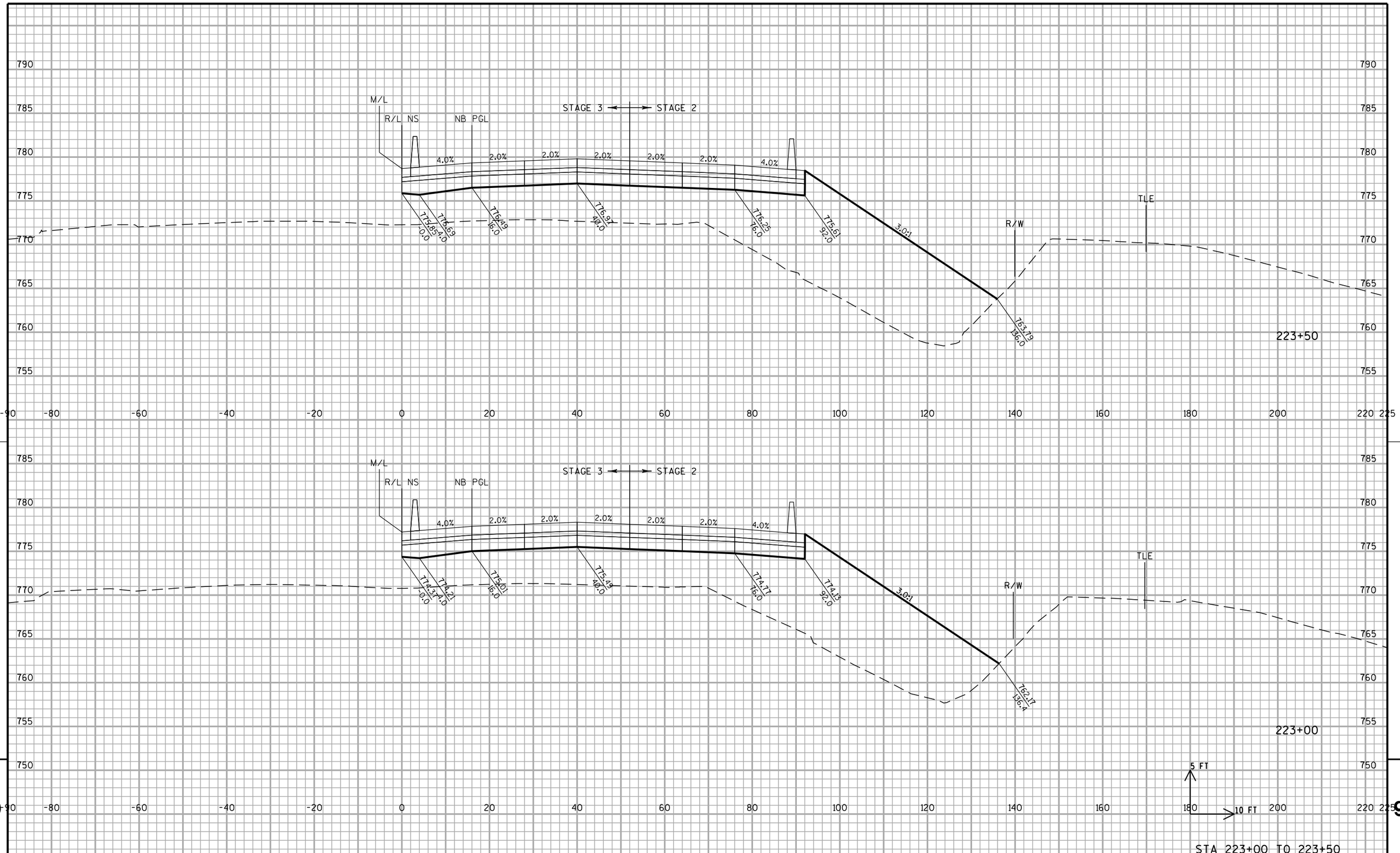
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 222+00 TO 222+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s3 PLOT SCALE : 20:1

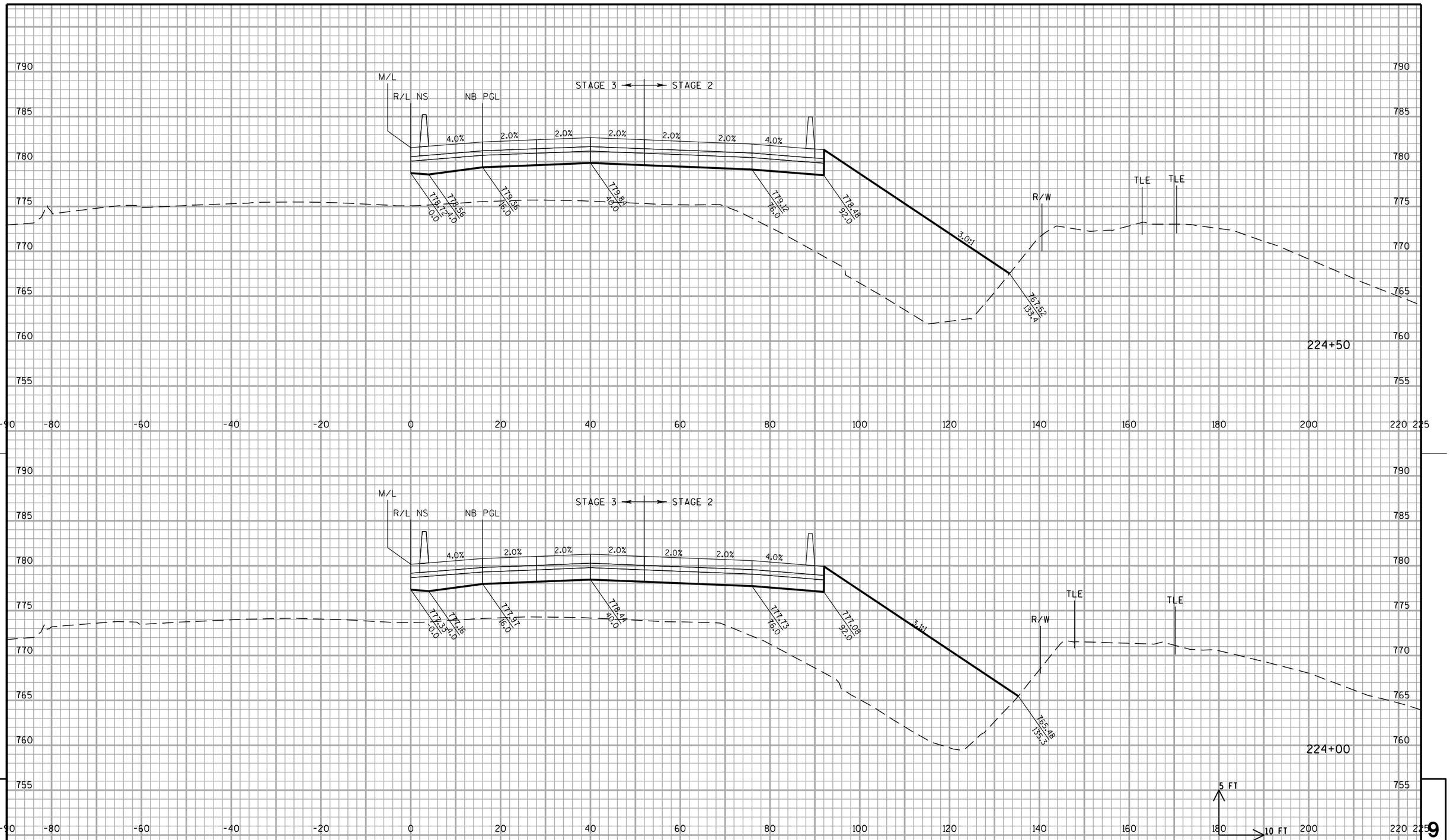


STA 223+00 TO 223+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

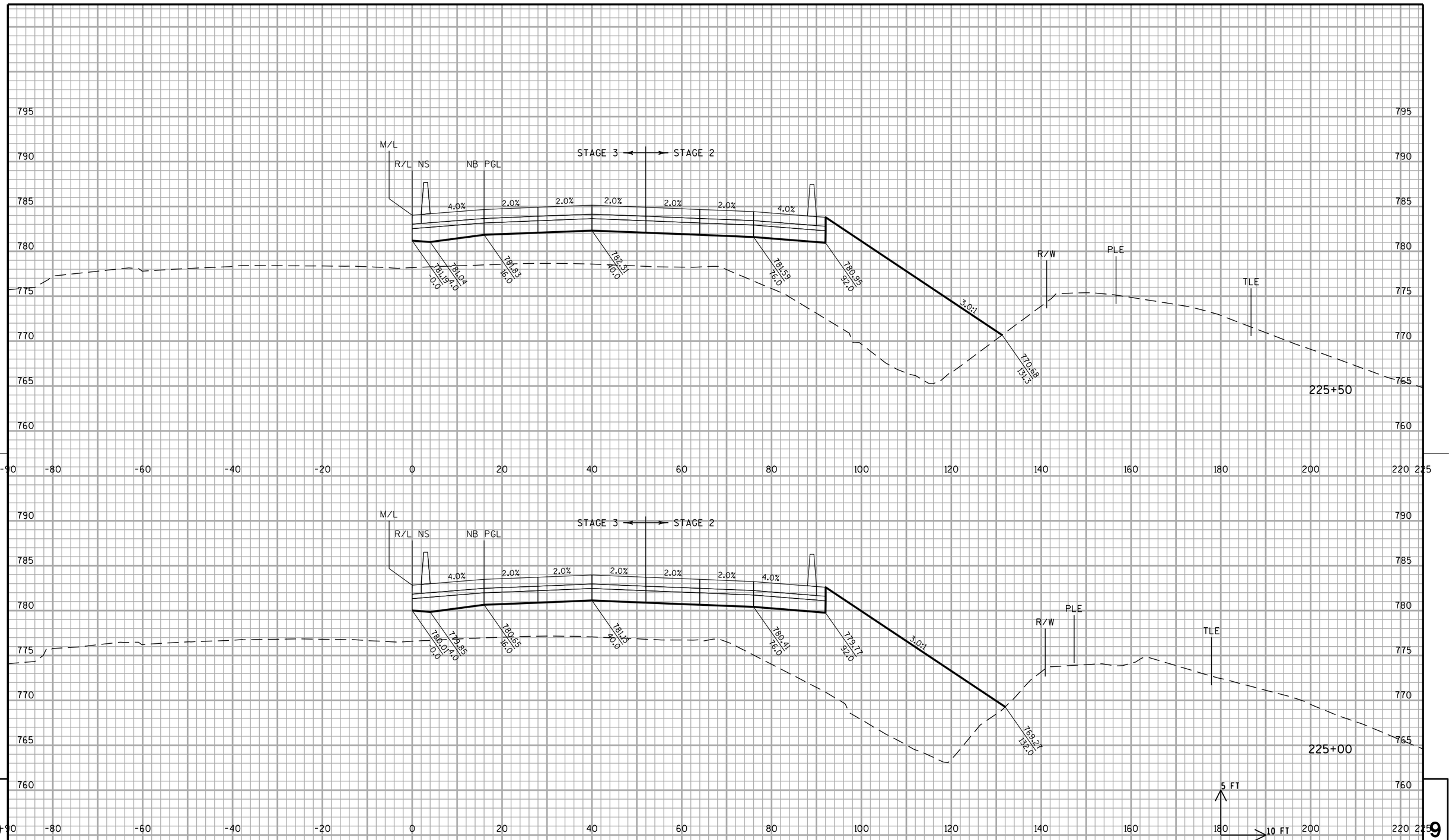
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



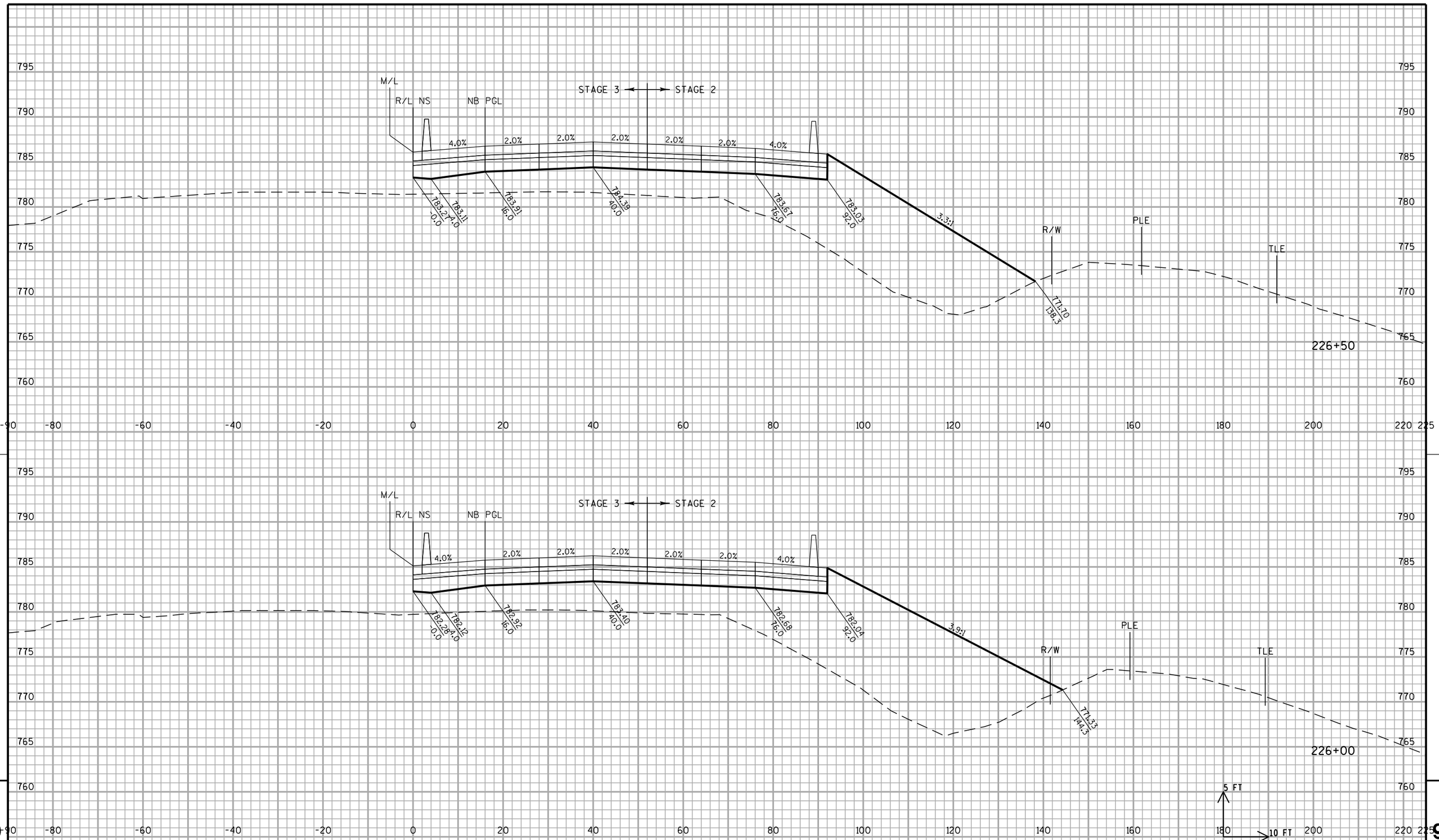
STA 224+00 TO 224+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



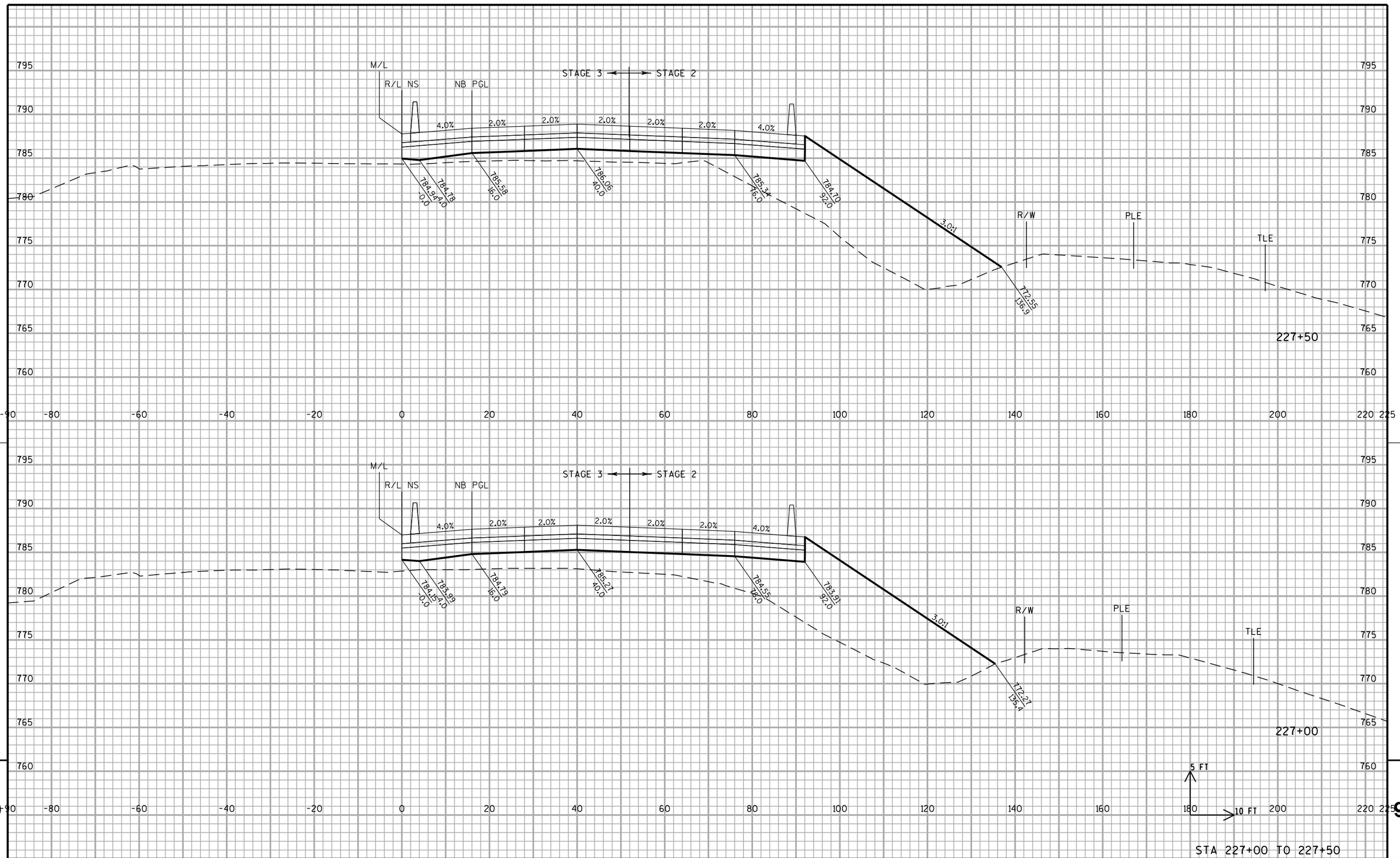
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s3 PLOT SCALE : 20:1



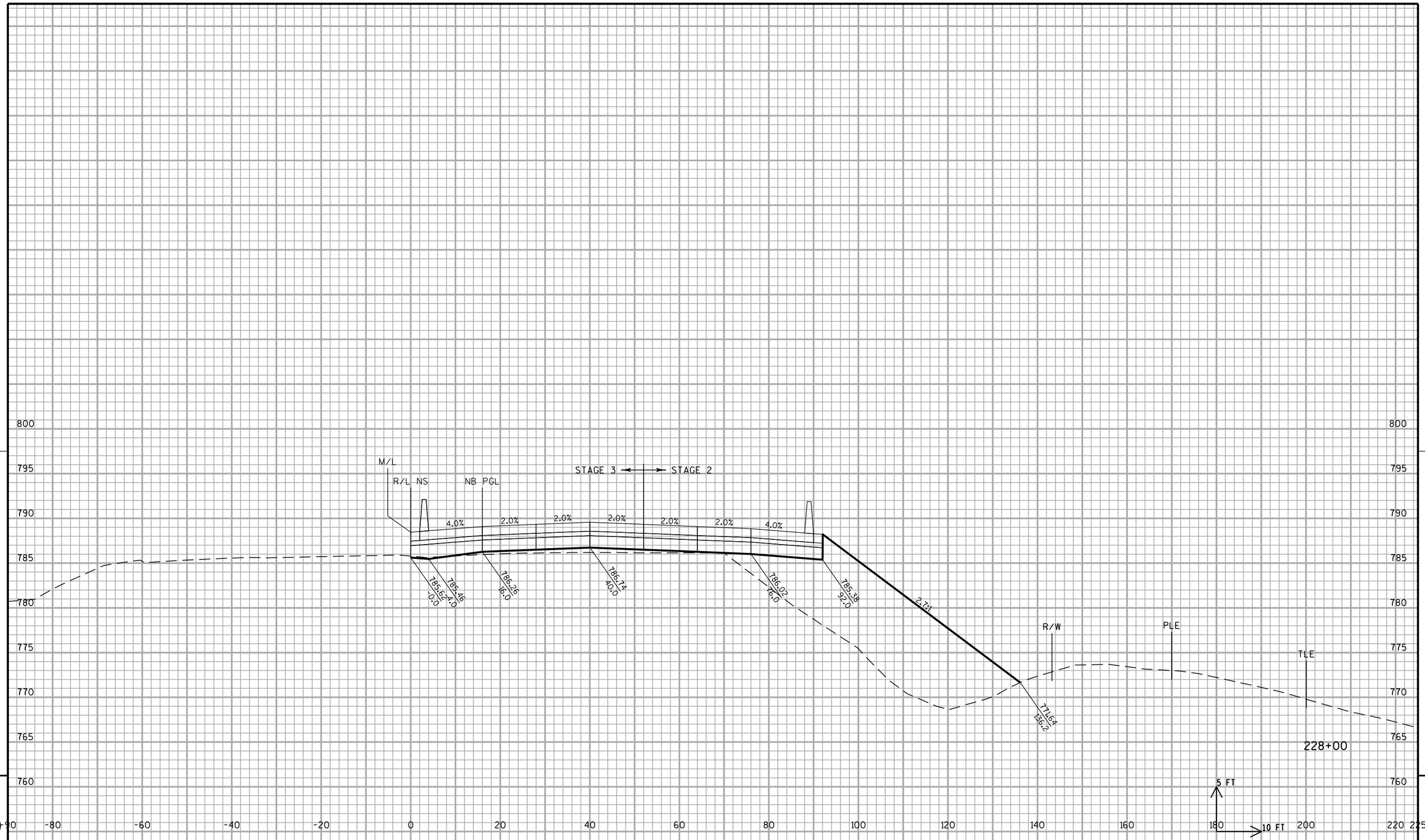
STA 226+00 TO 226+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



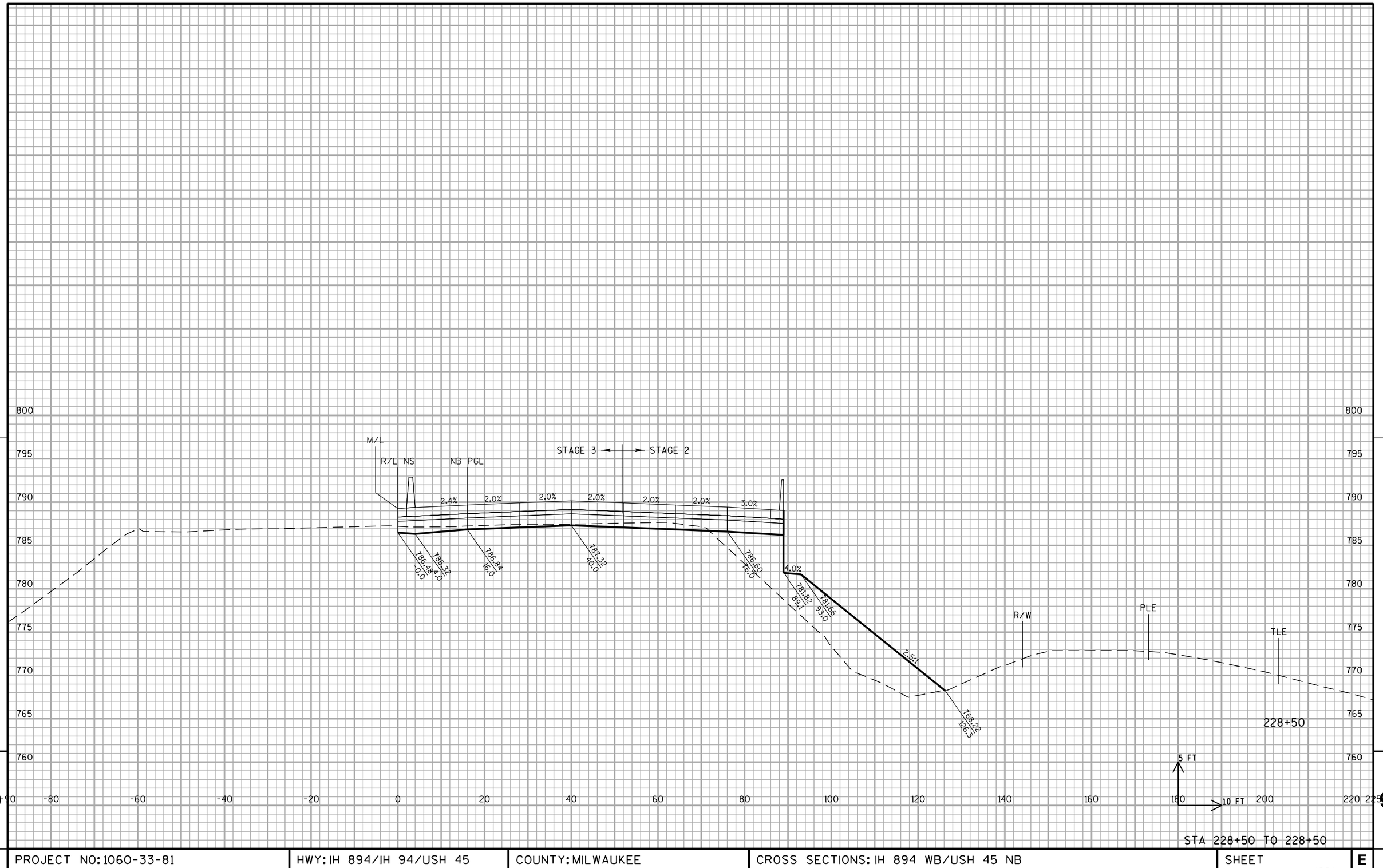
STA 227+00 TO 227+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



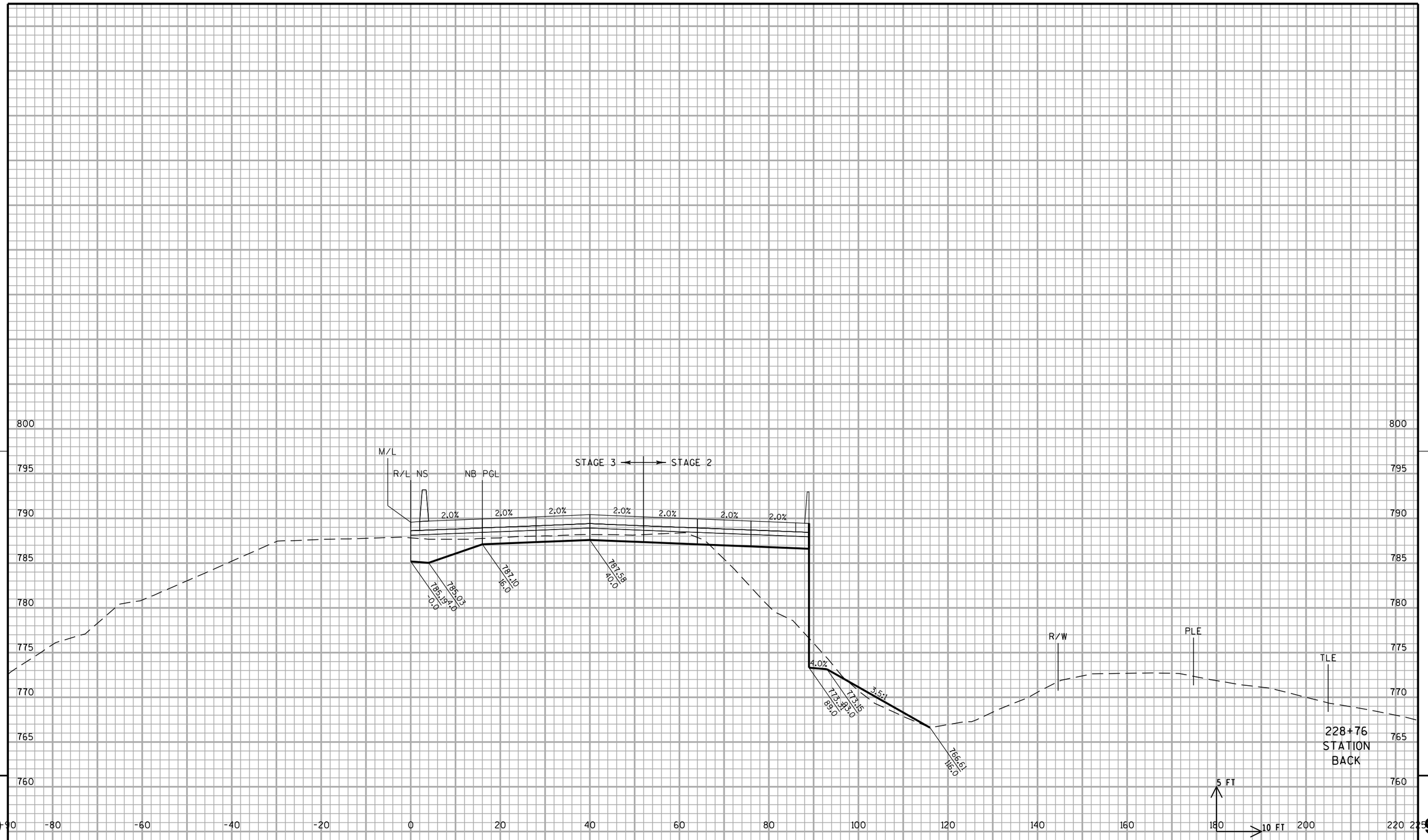
STA 228+00 TO 228+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

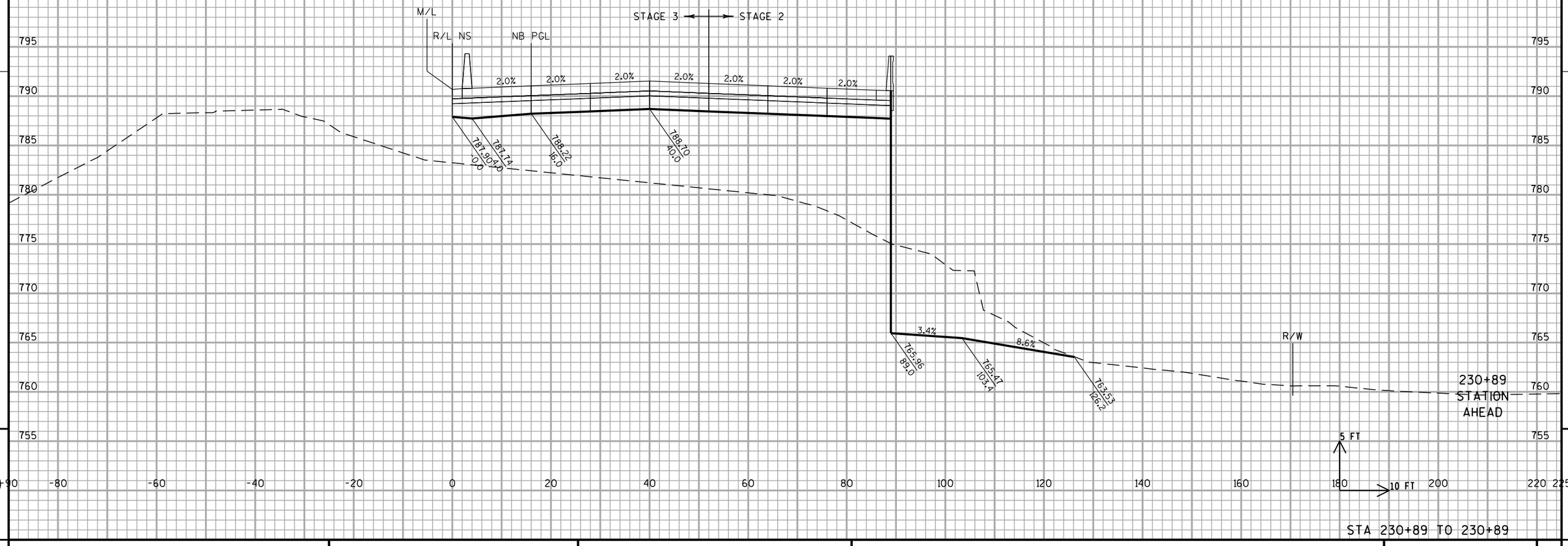


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s3 PLOT SCALE : 20:1

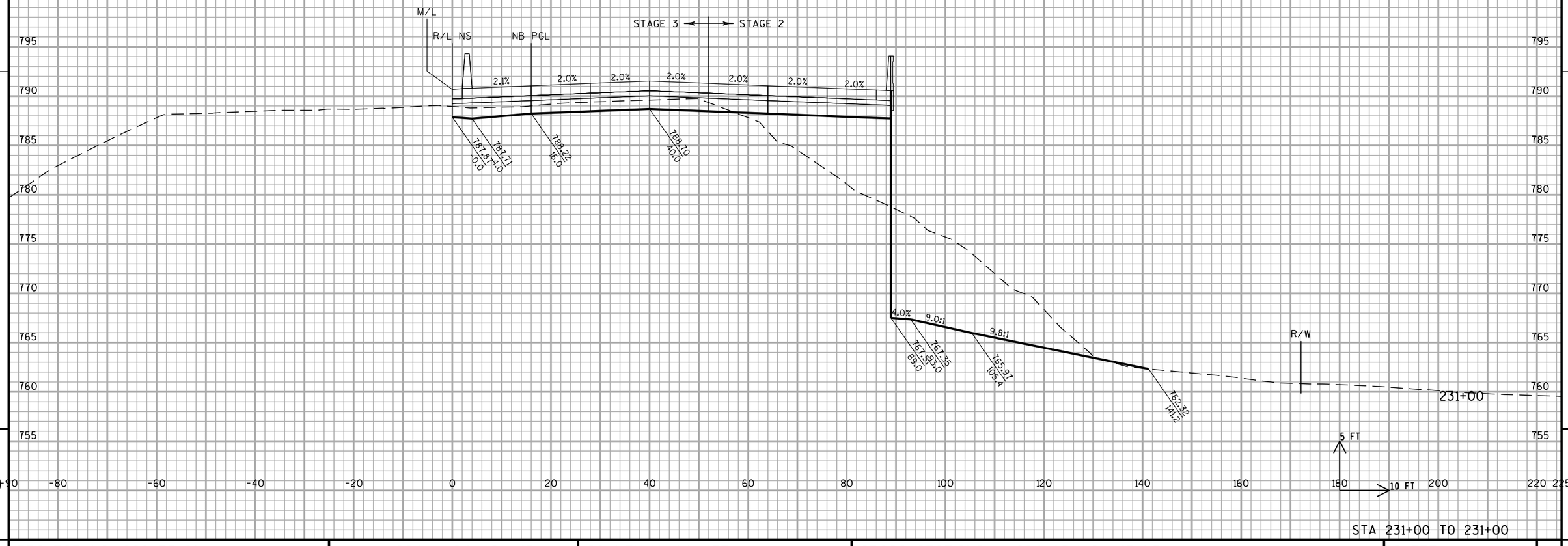


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 230+89 TO 230+89

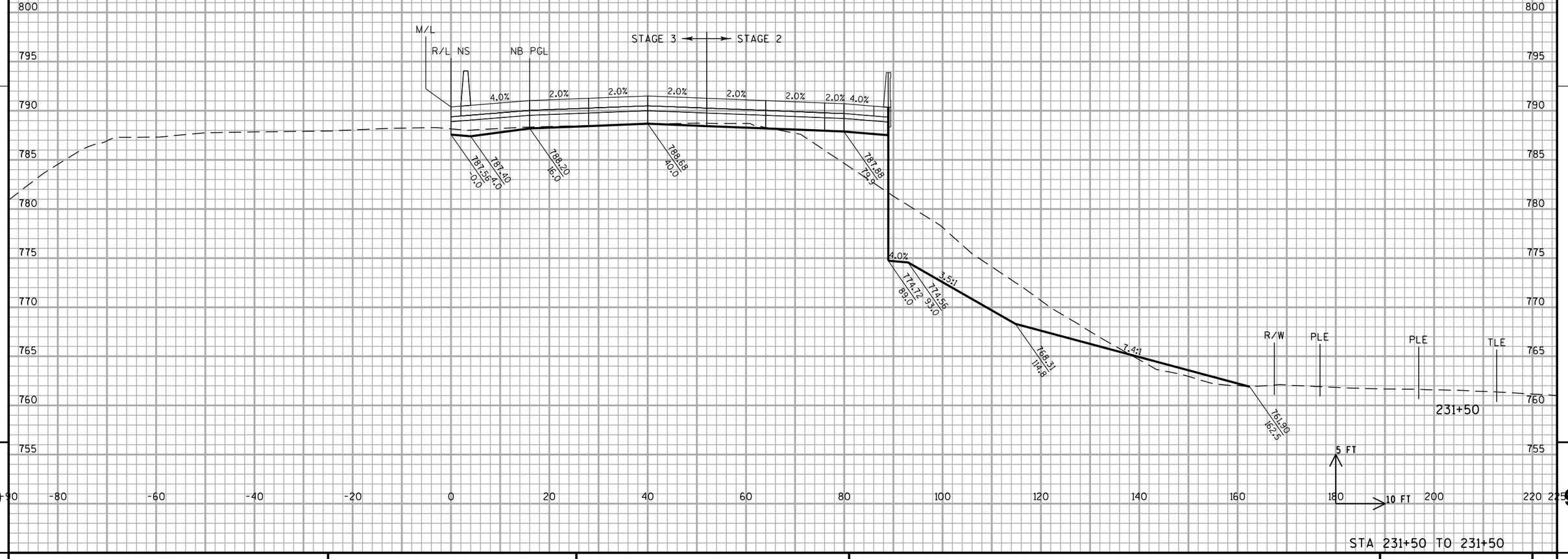
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 231+00 TO 231+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

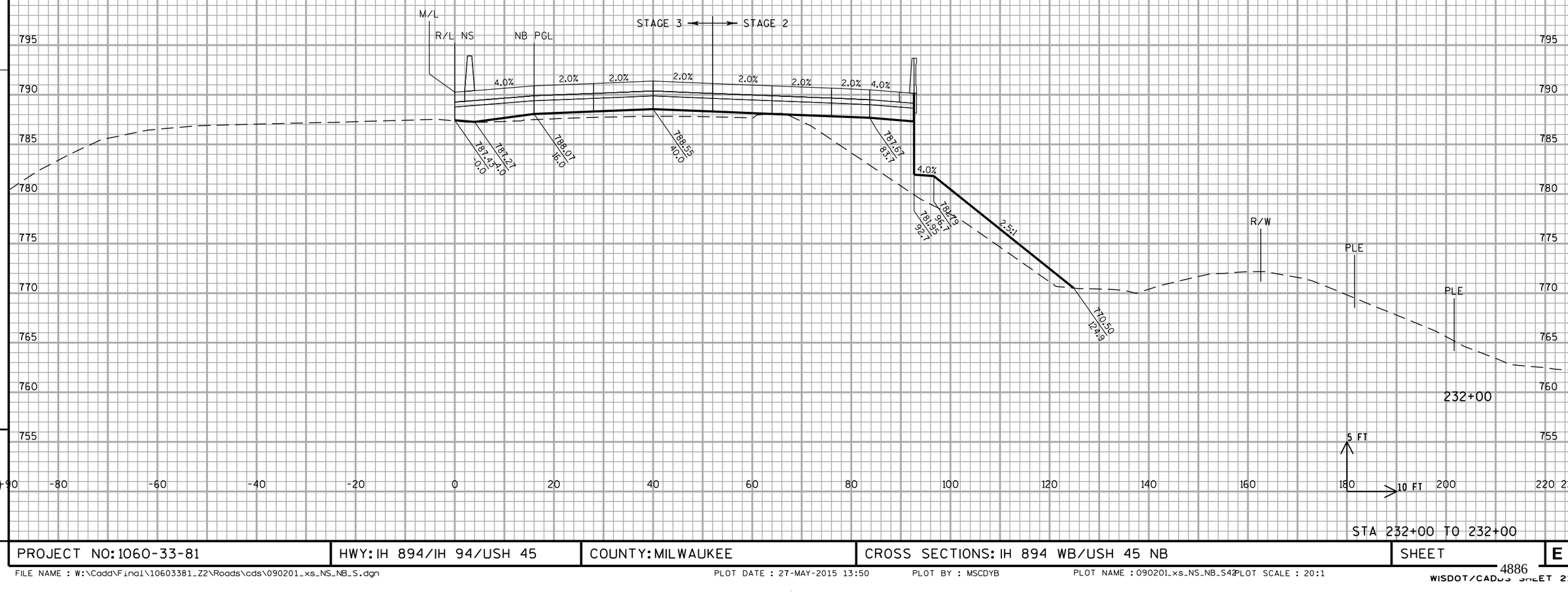
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s4 PLOT SCALE : 20:1



STA 231+50 TO 231+50

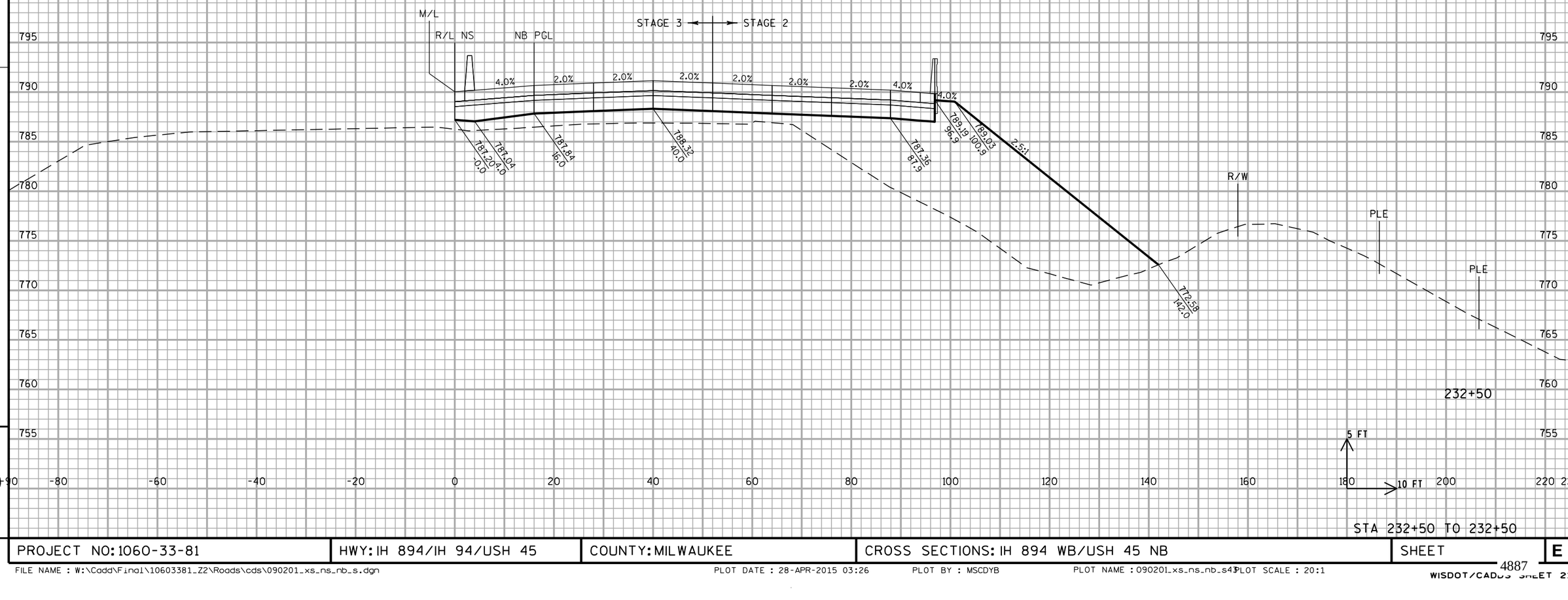
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s4 PLOT SCALE : 20:1



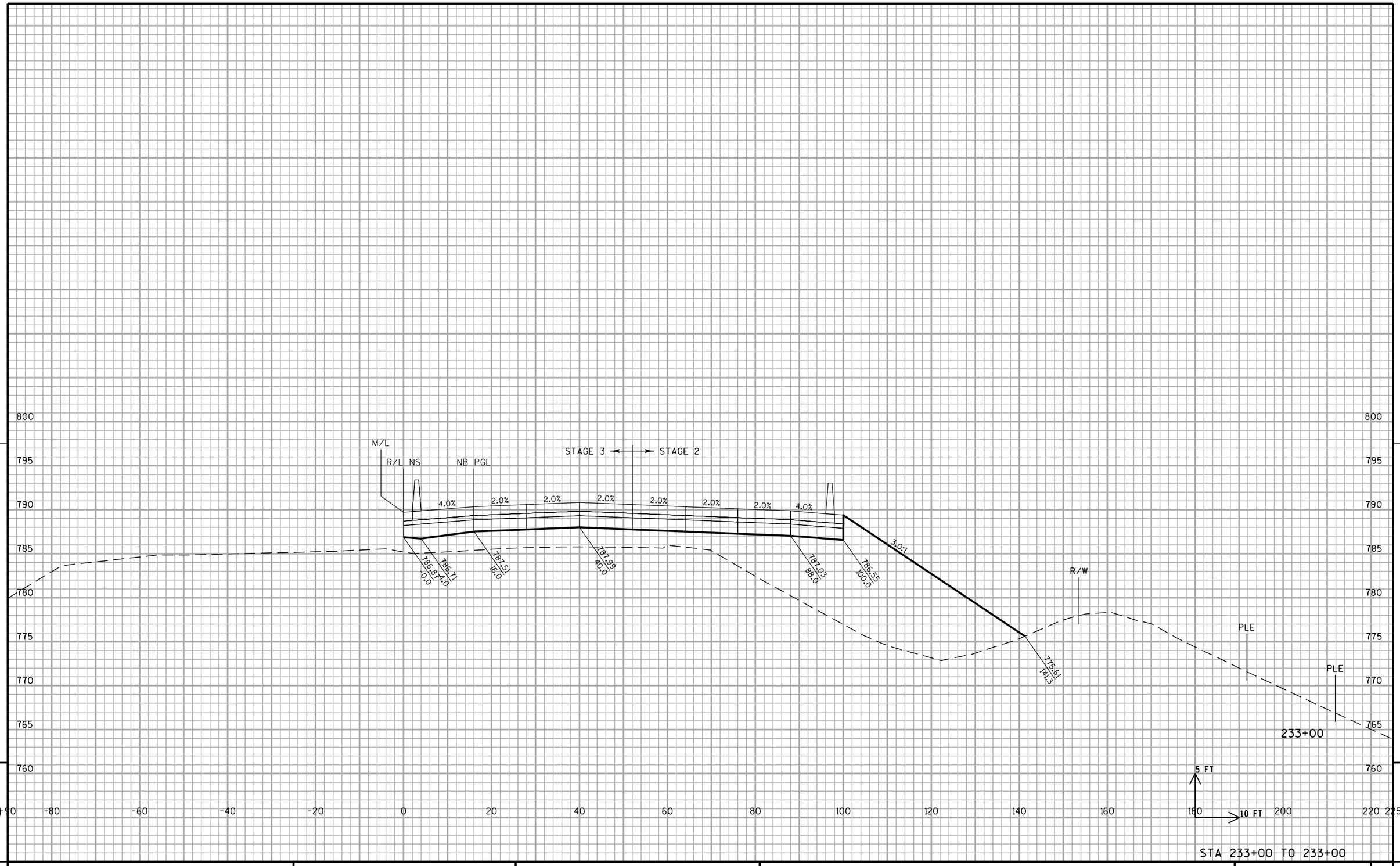
STA 232+00 TO 232+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



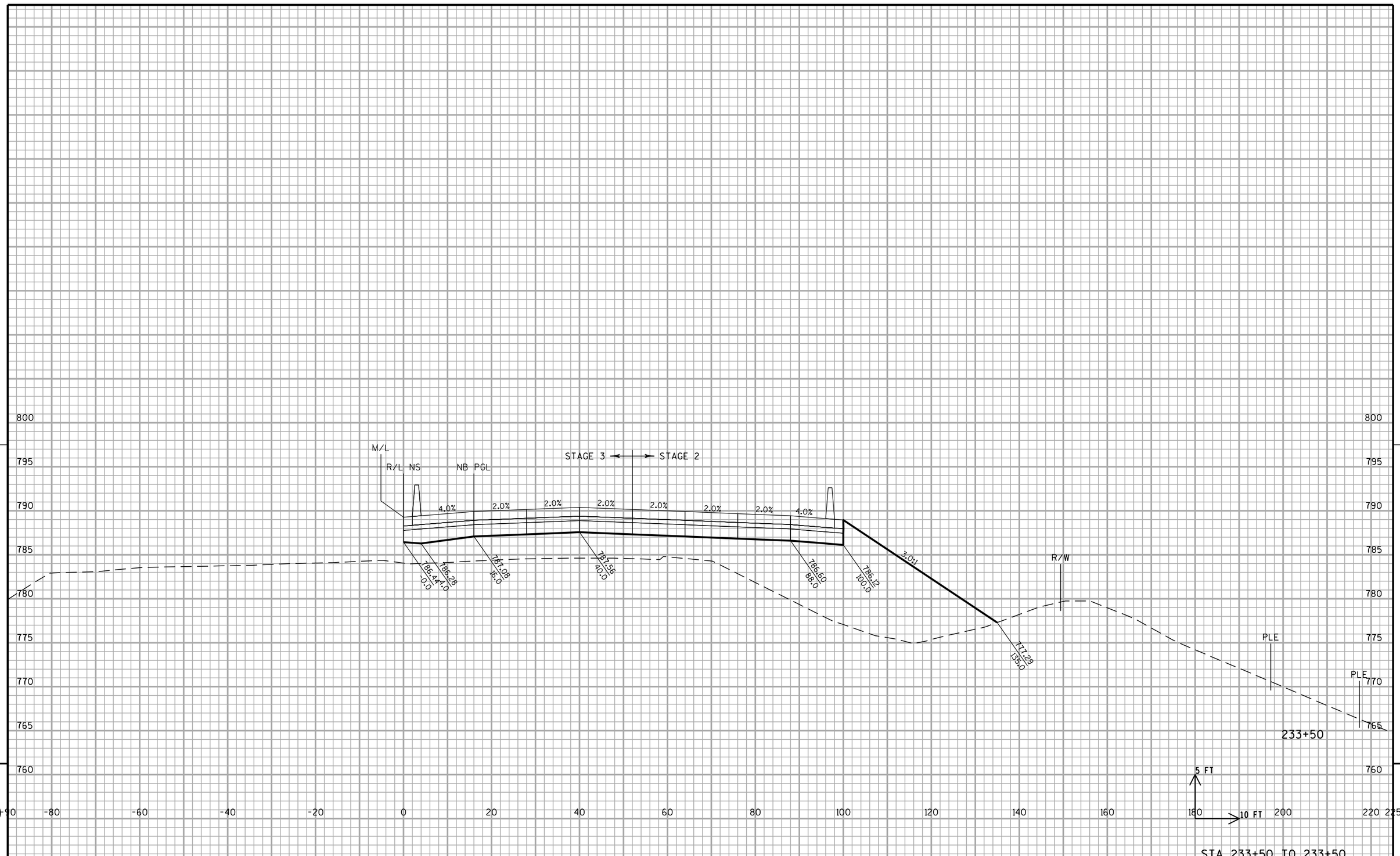
STA 232+50 TO 232+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 233+00 TO 233+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

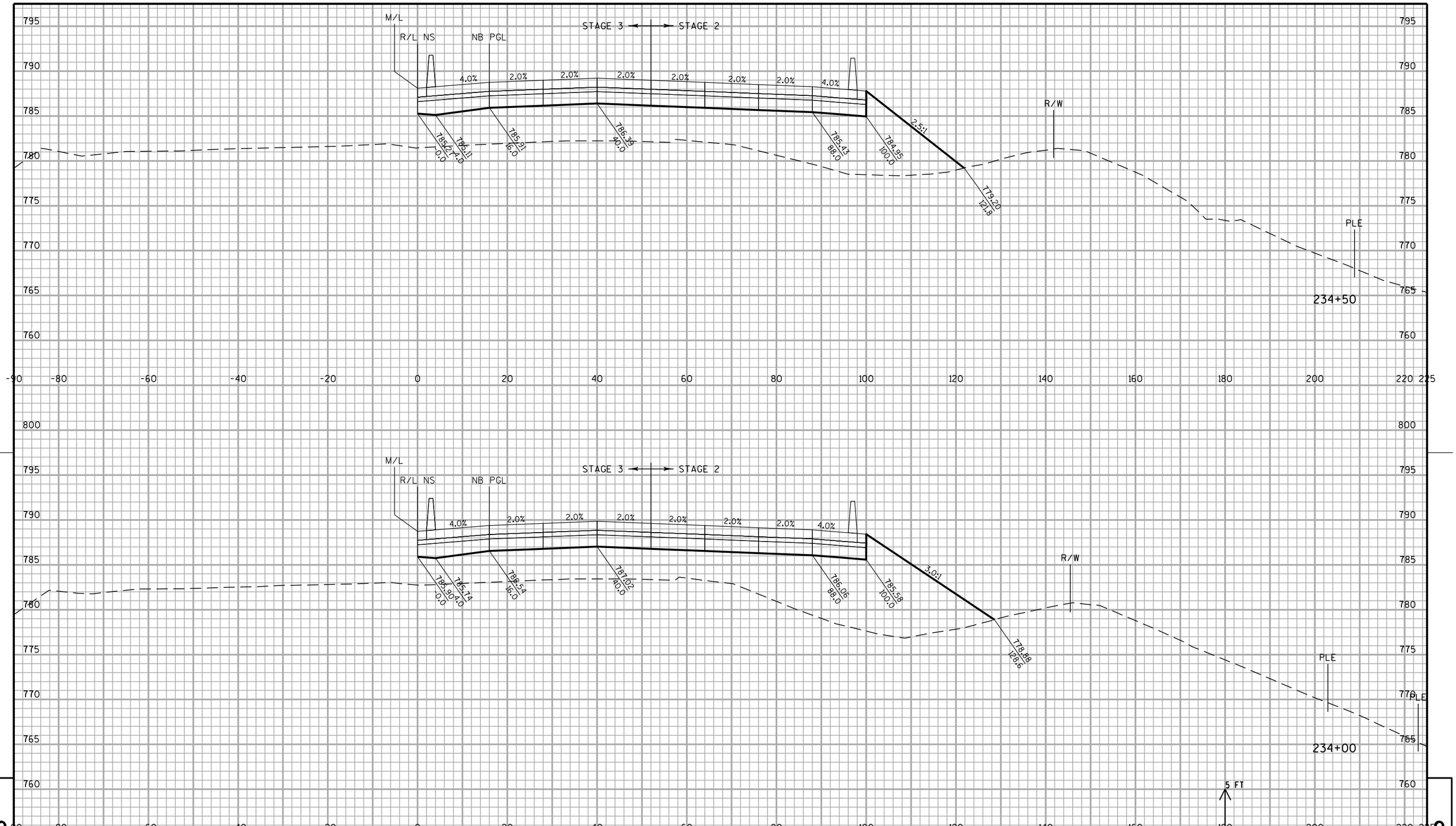


9

9

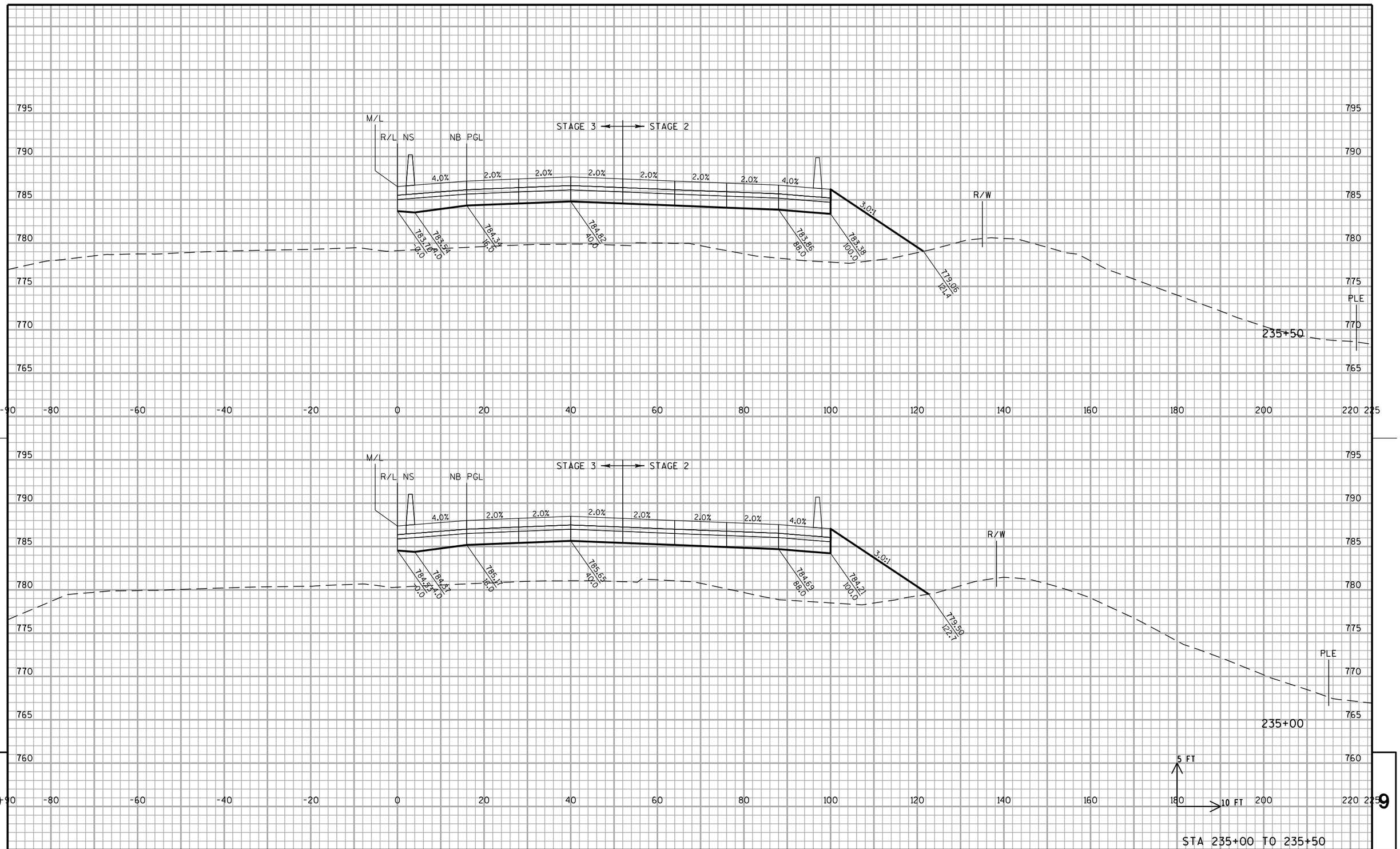
STA 233+50 TO 233+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

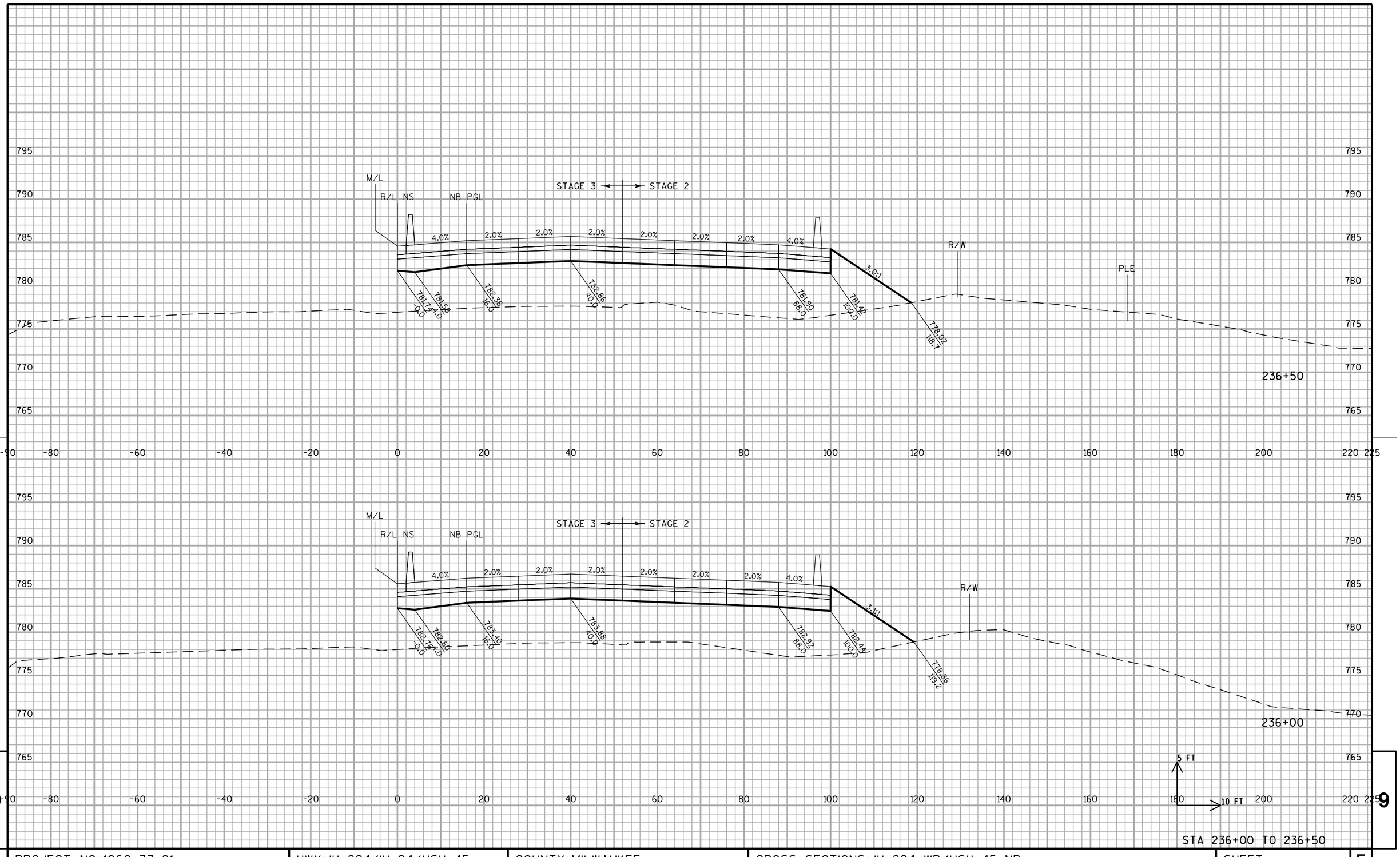


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s4 PLOT SCALE : 20:1

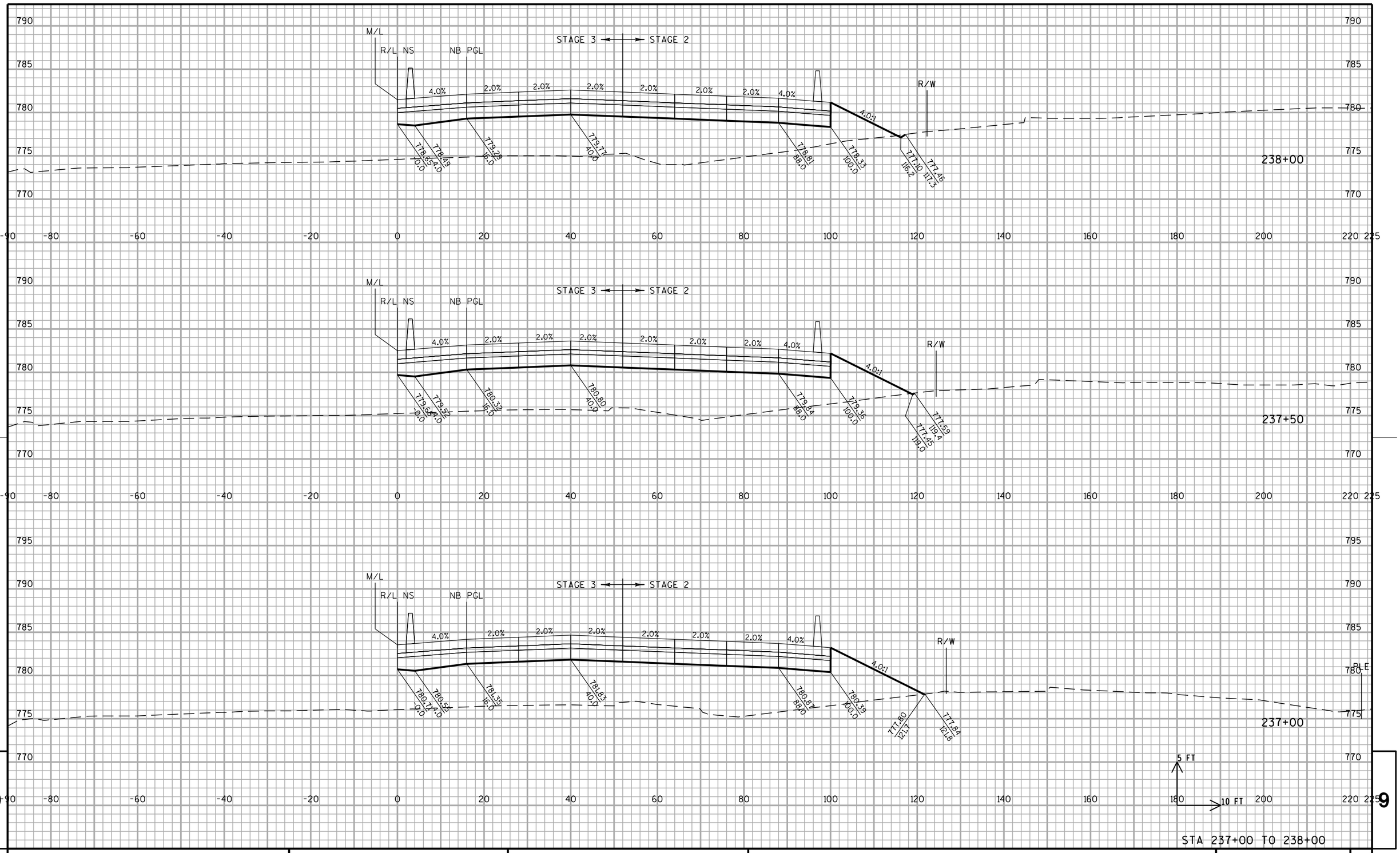


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



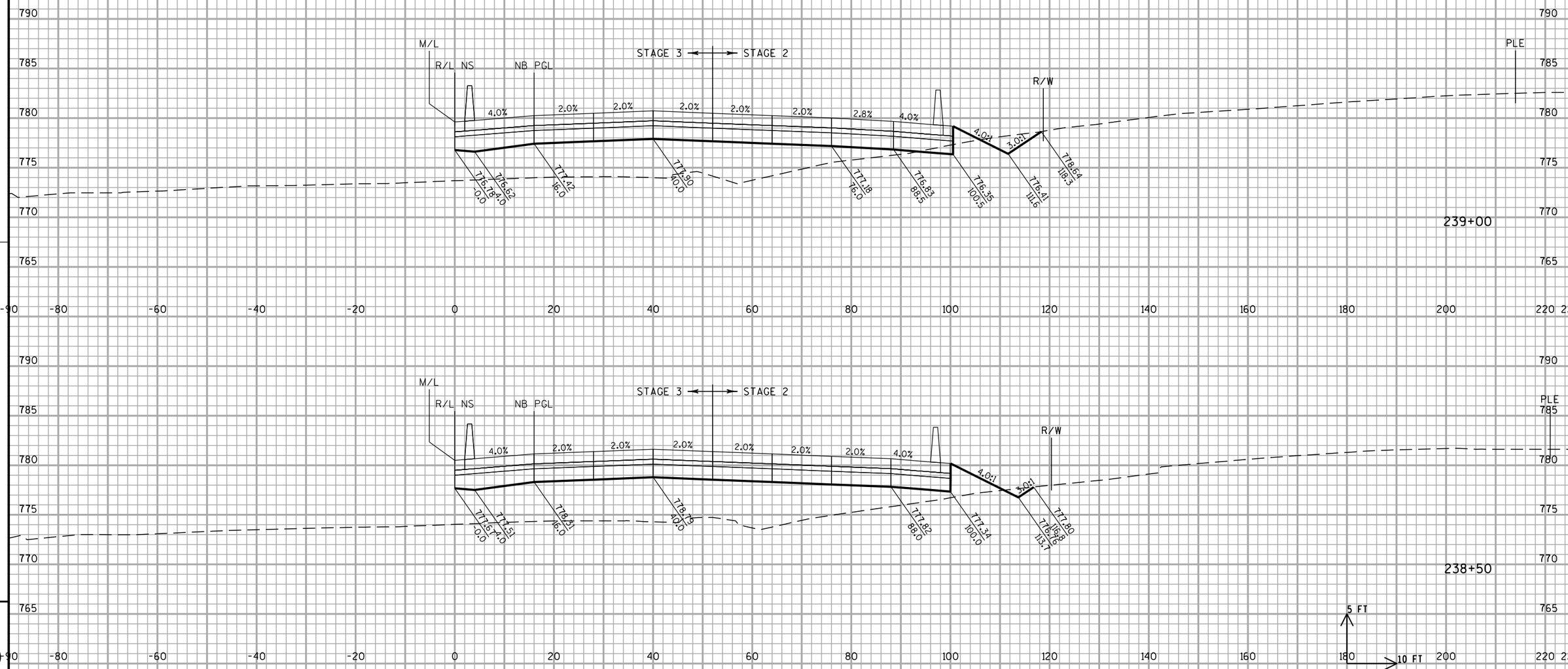
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:26 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s48 PLOT SCALE : 20:1



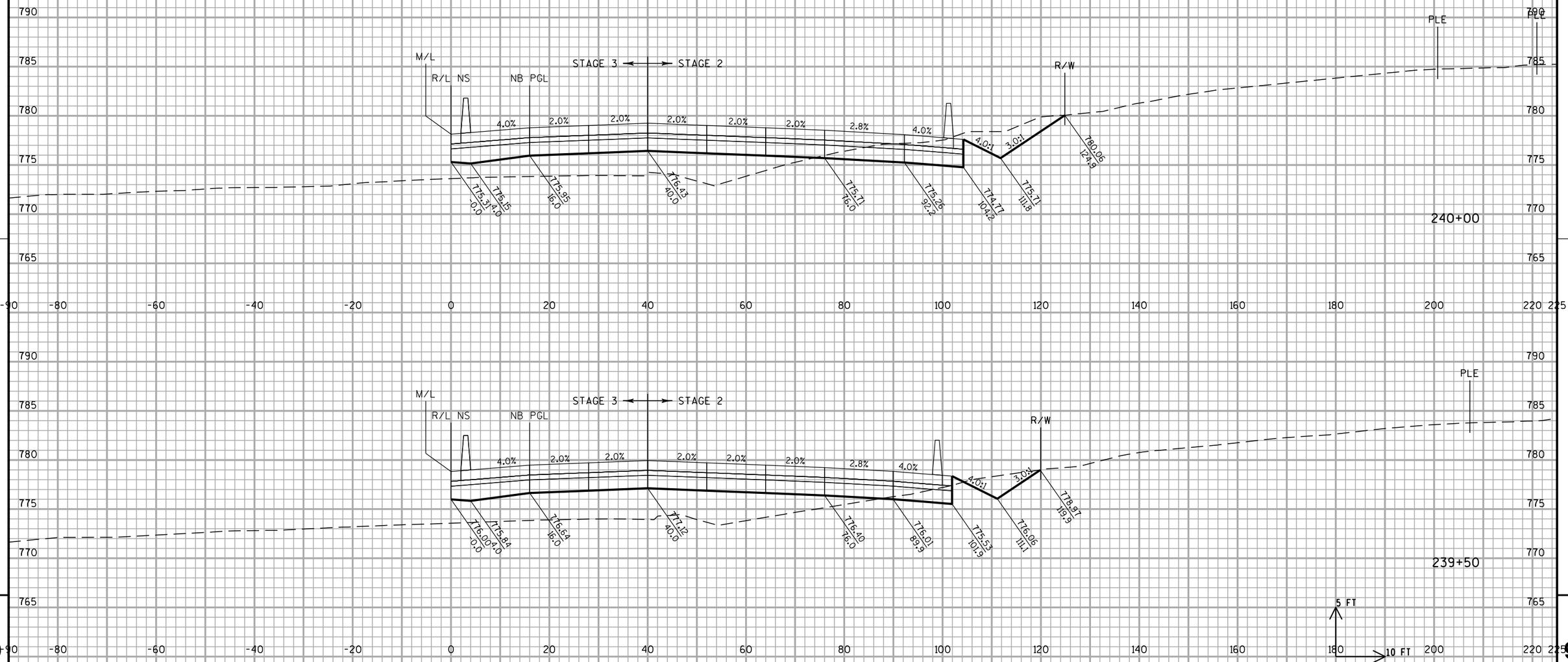
STA 237+00 TO 238+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

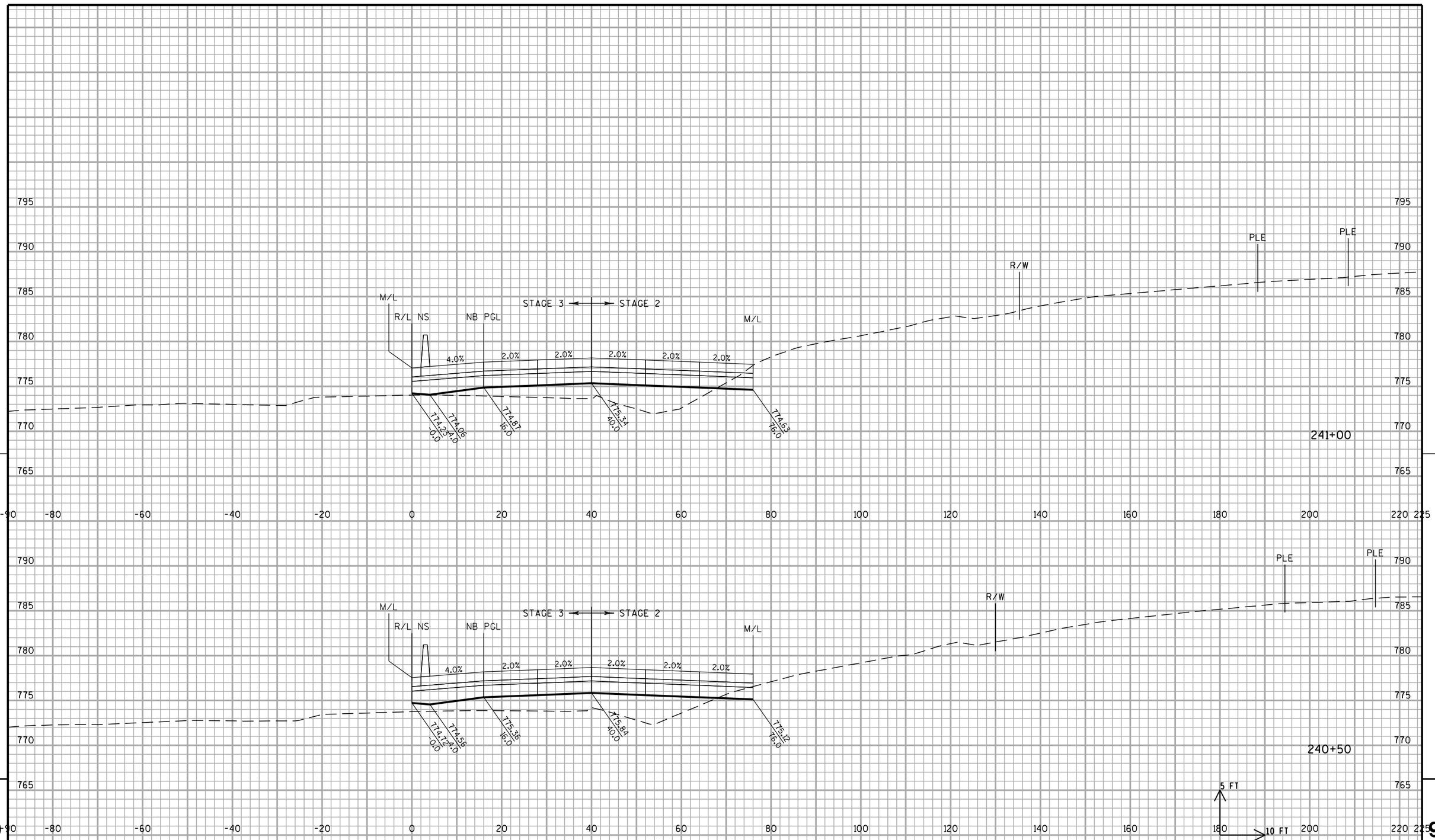


STA 238+50 TO 239+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

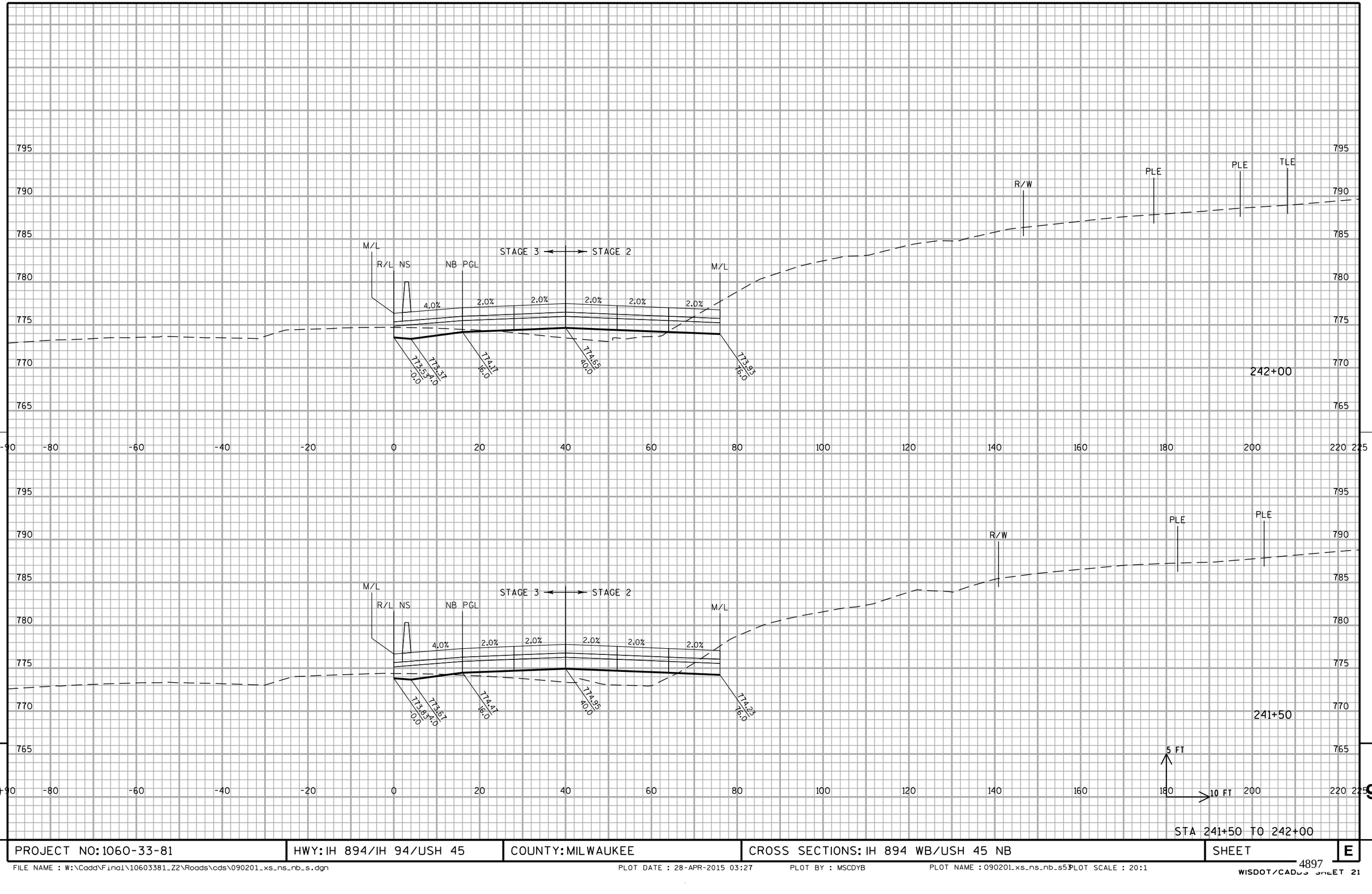


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 240+50 TO 241+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



9

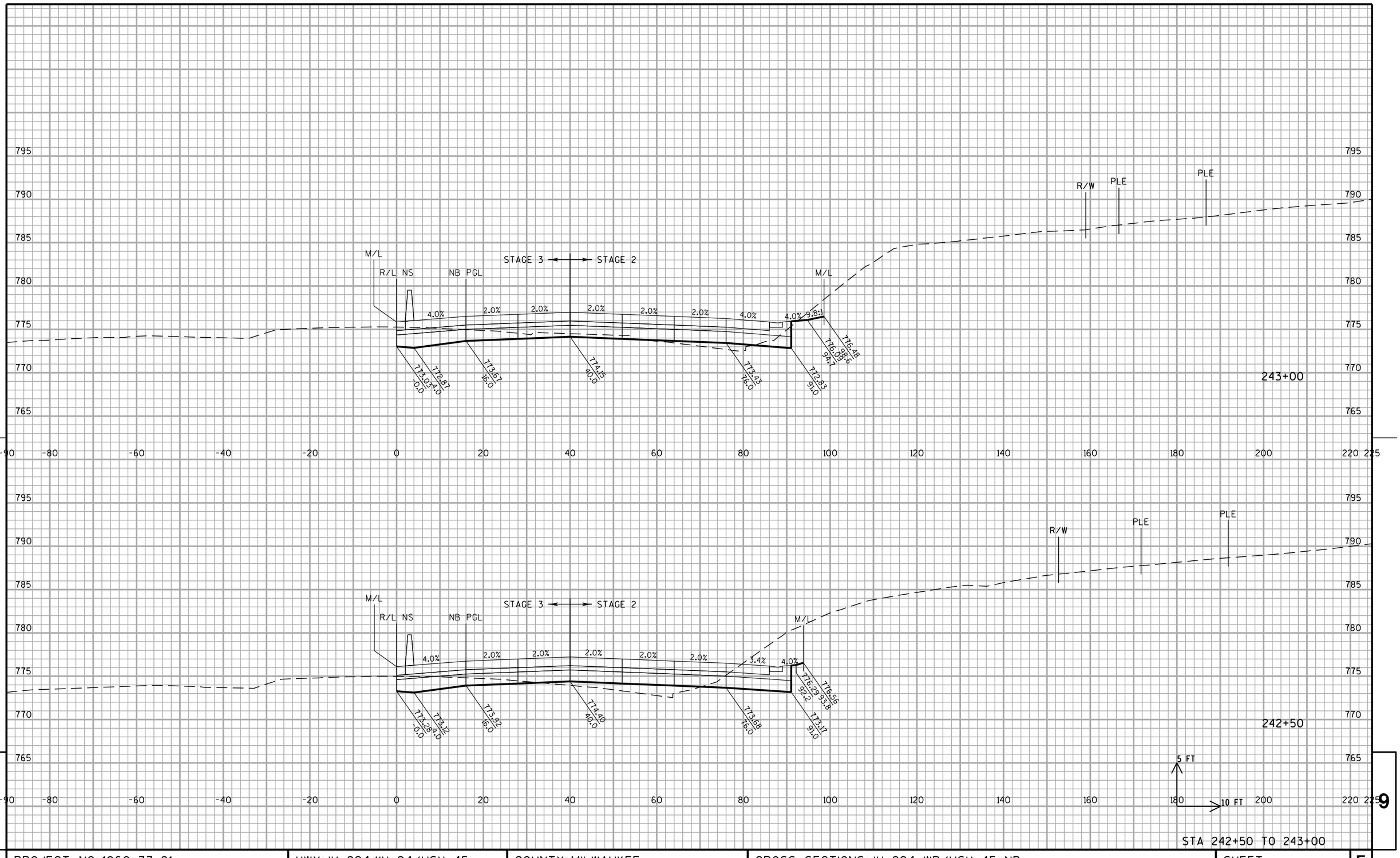
STA 241+50 TO 242+00

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

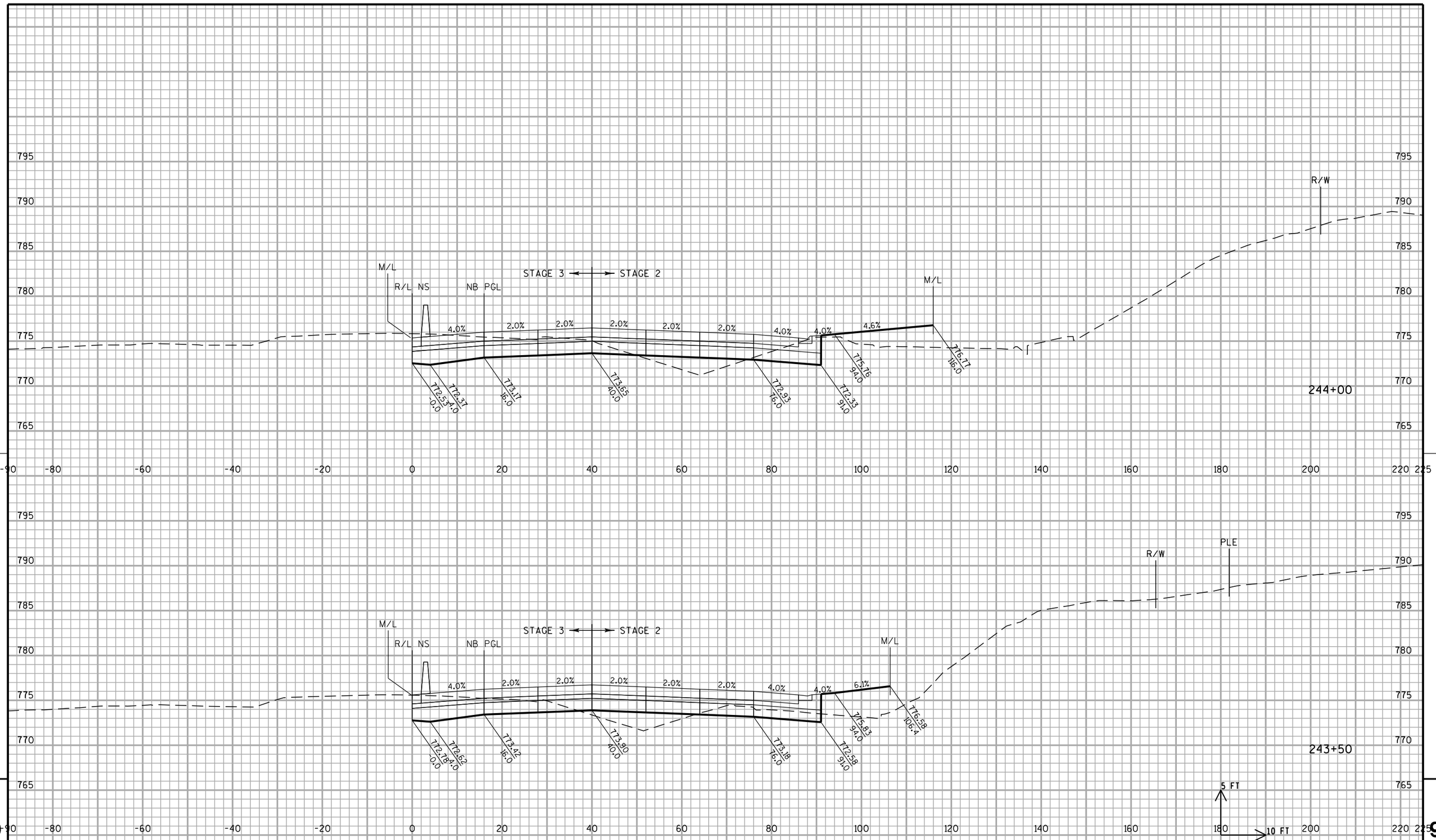
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



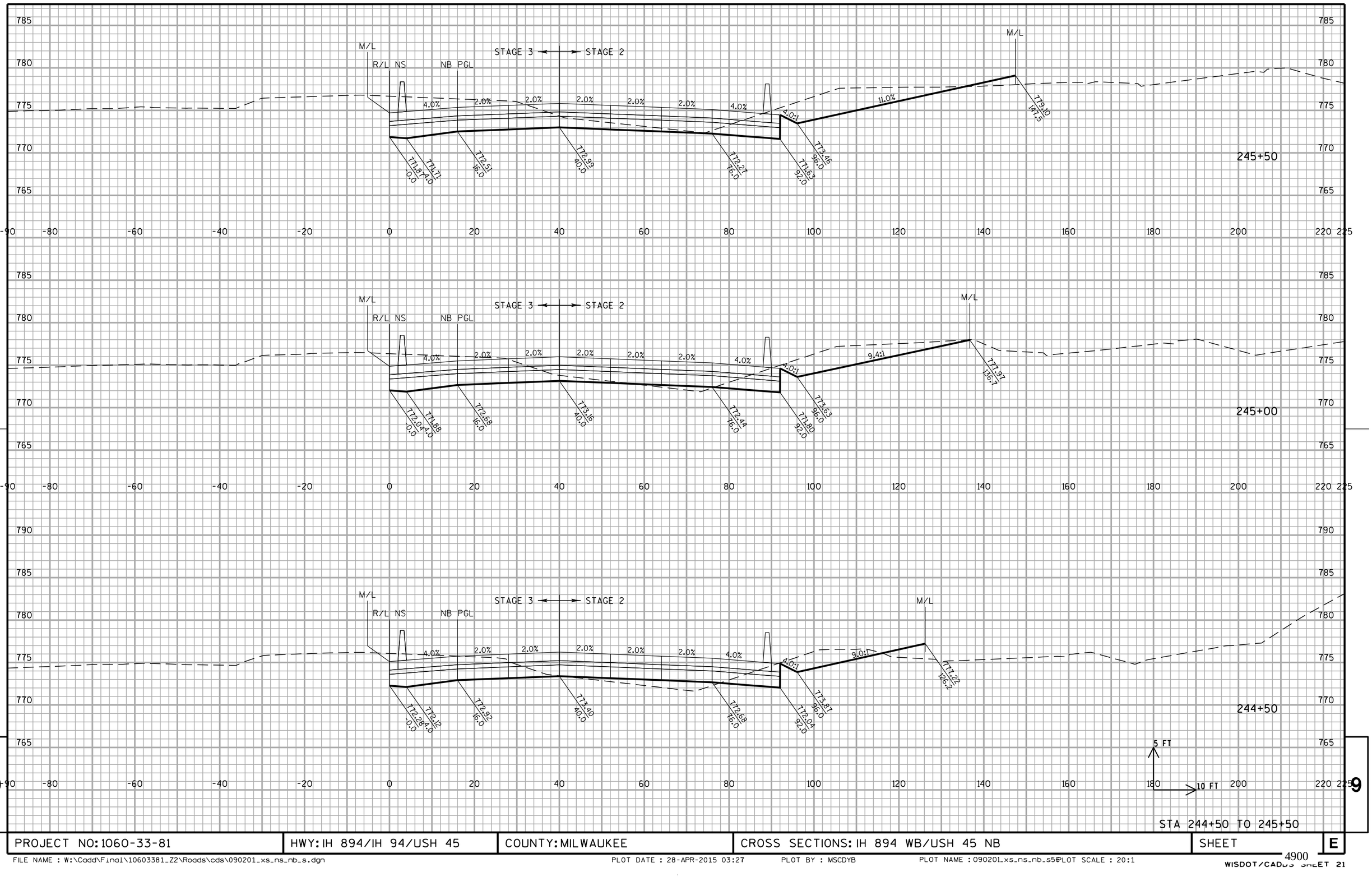
STA 242+50 TO 243+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



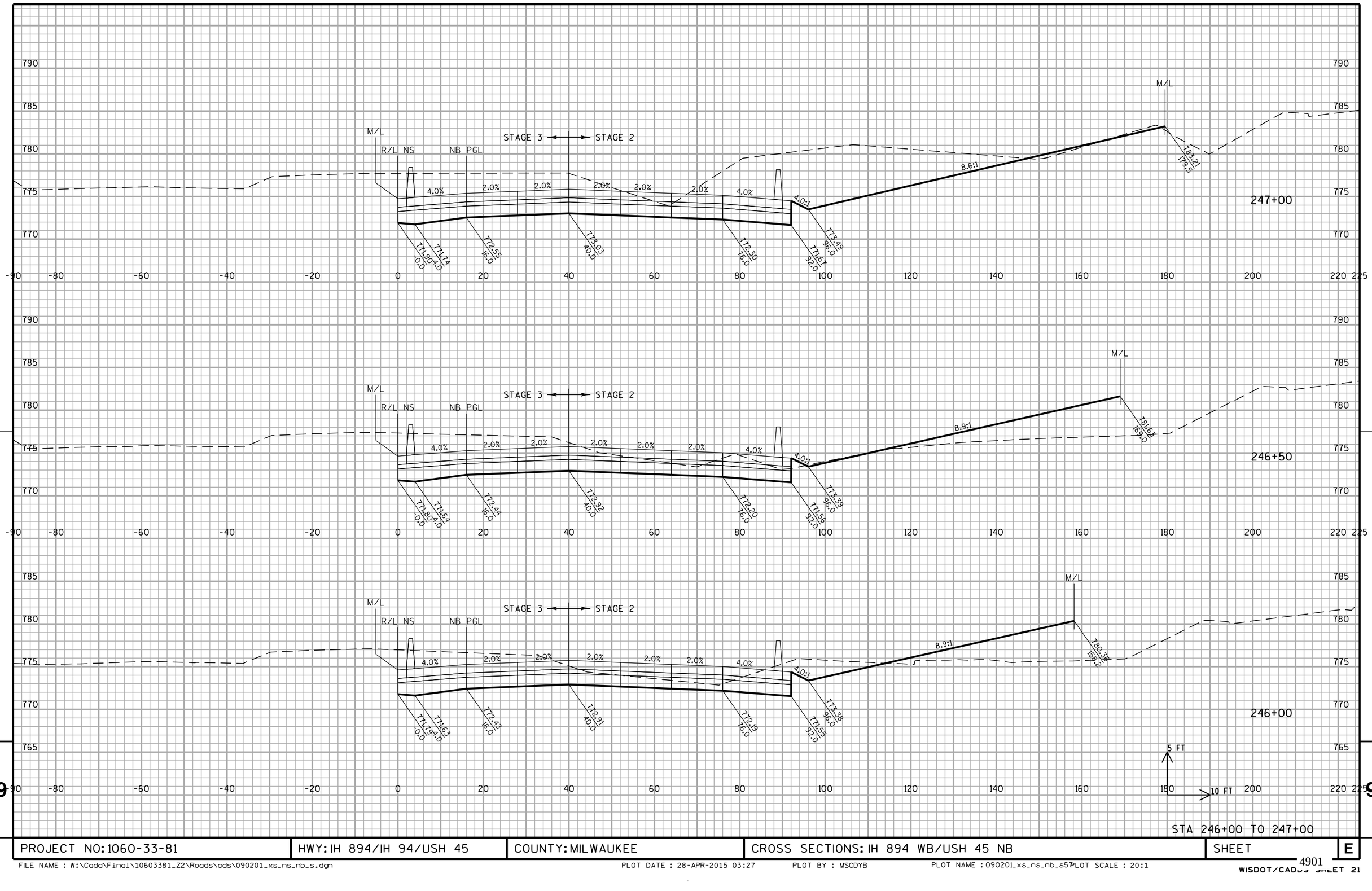
STA 243+50 TO 244+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



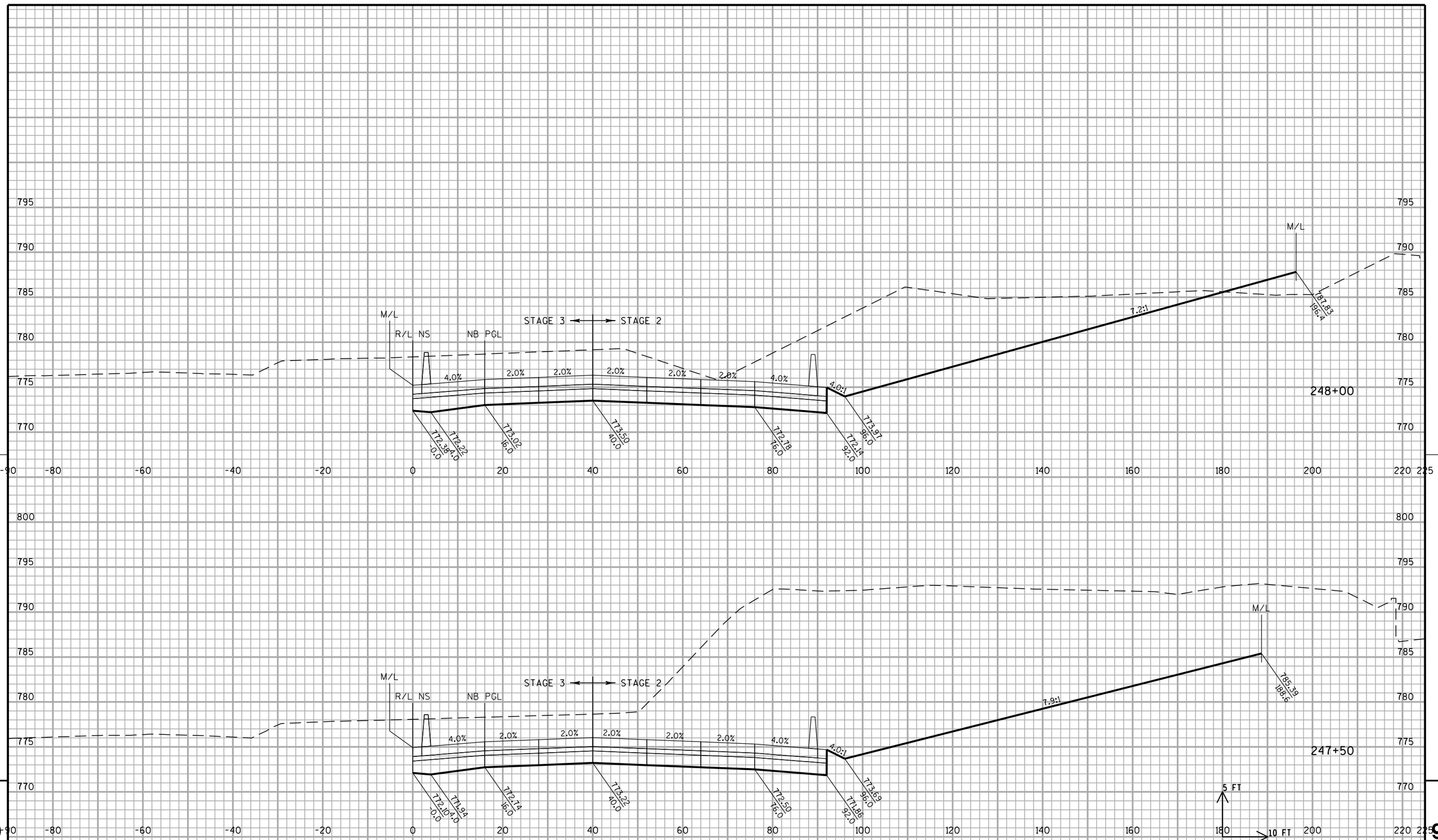
STA 244+50 TO 245+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

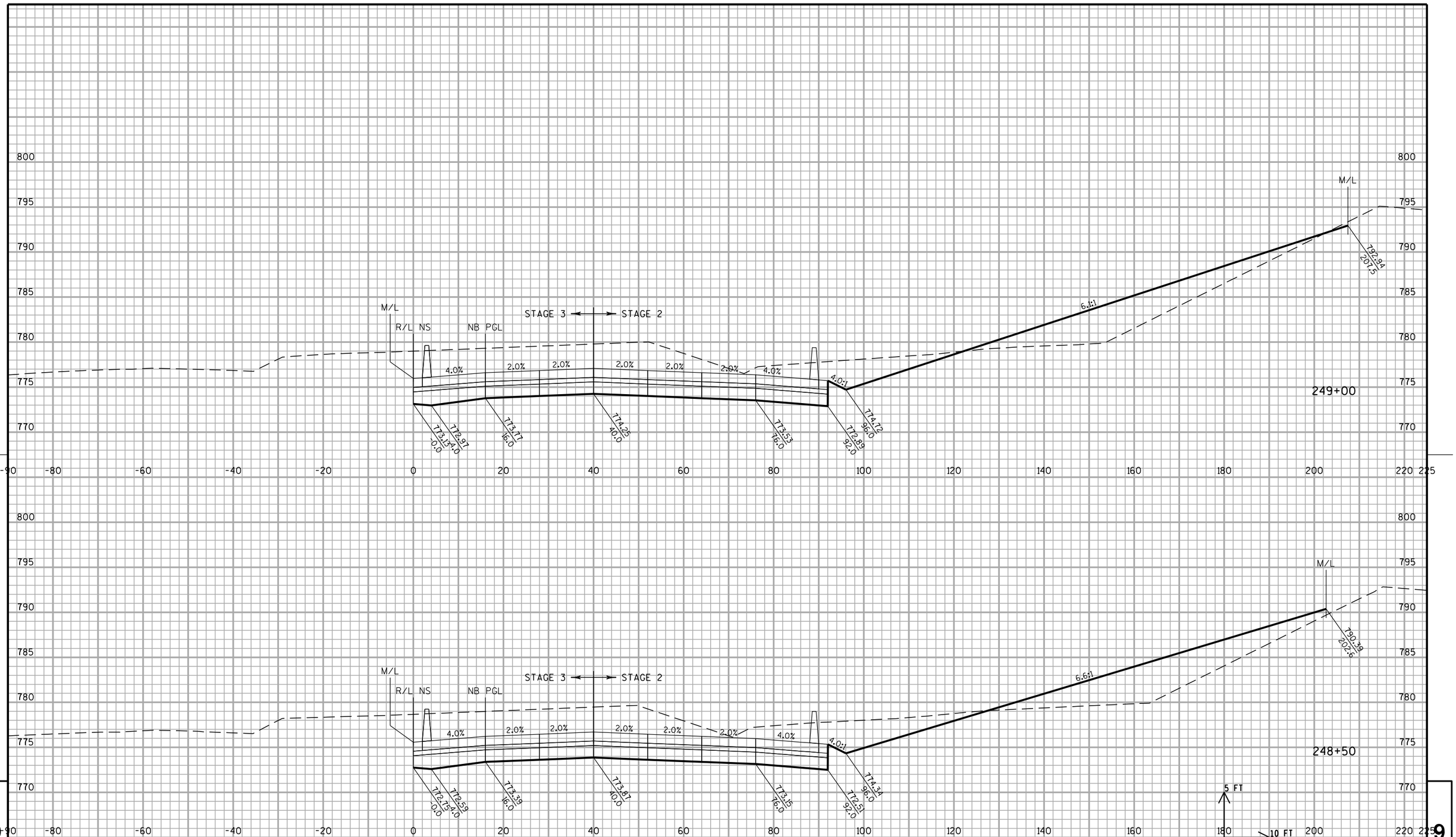


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s57 PLOT SCALE : 20:1

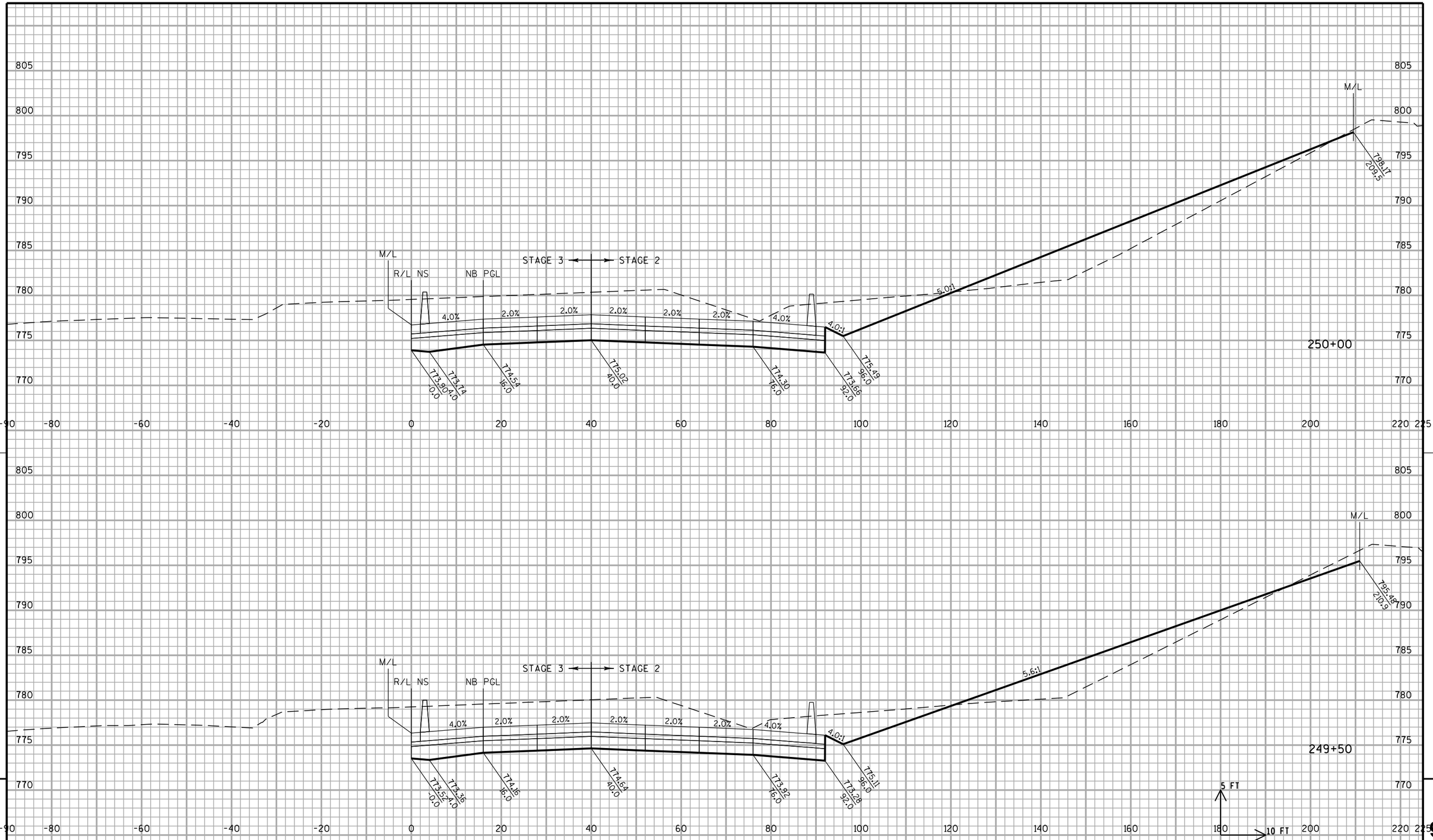


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



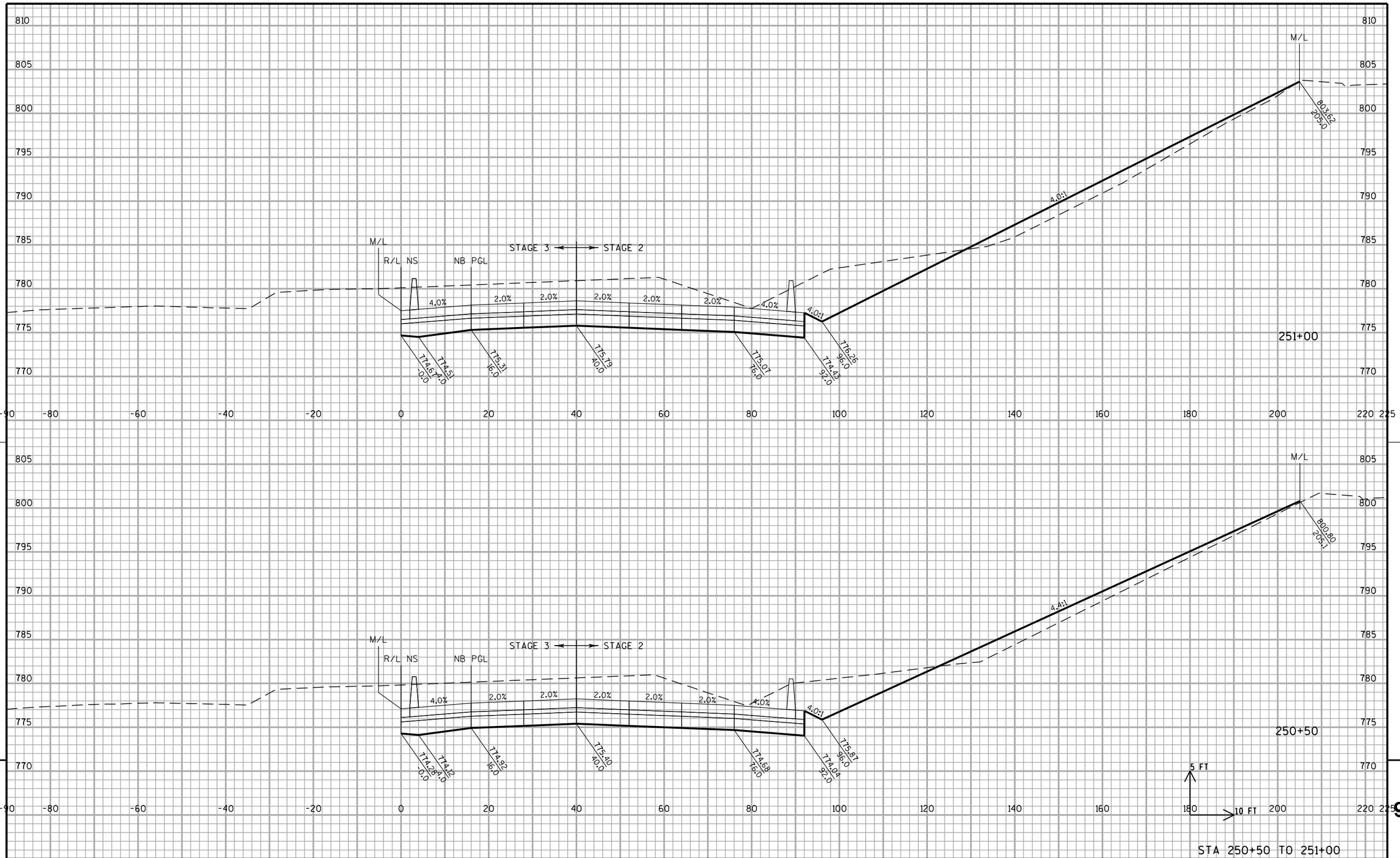
STA 248+50 TO 249+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

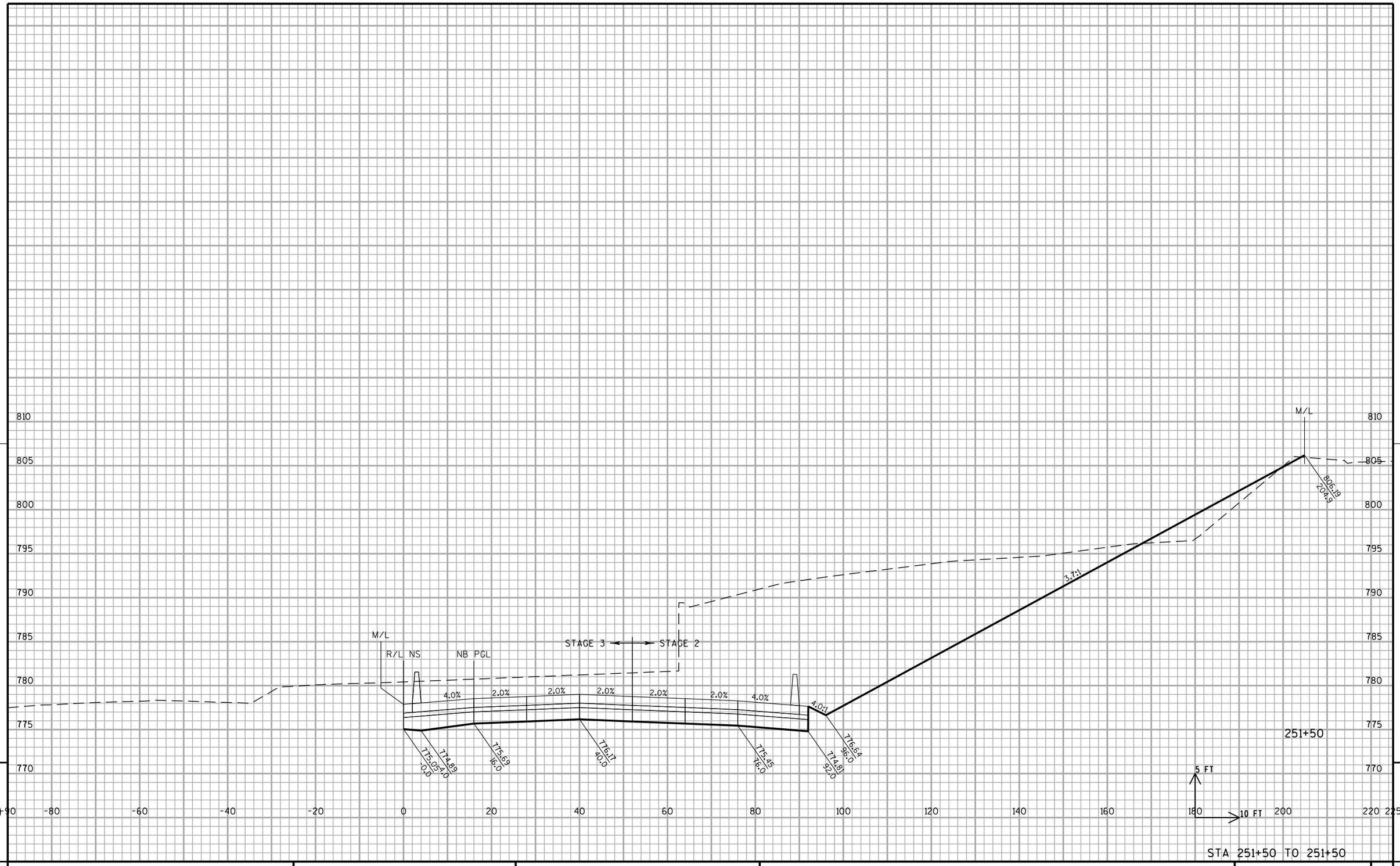


STA 249+50 TO 250+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



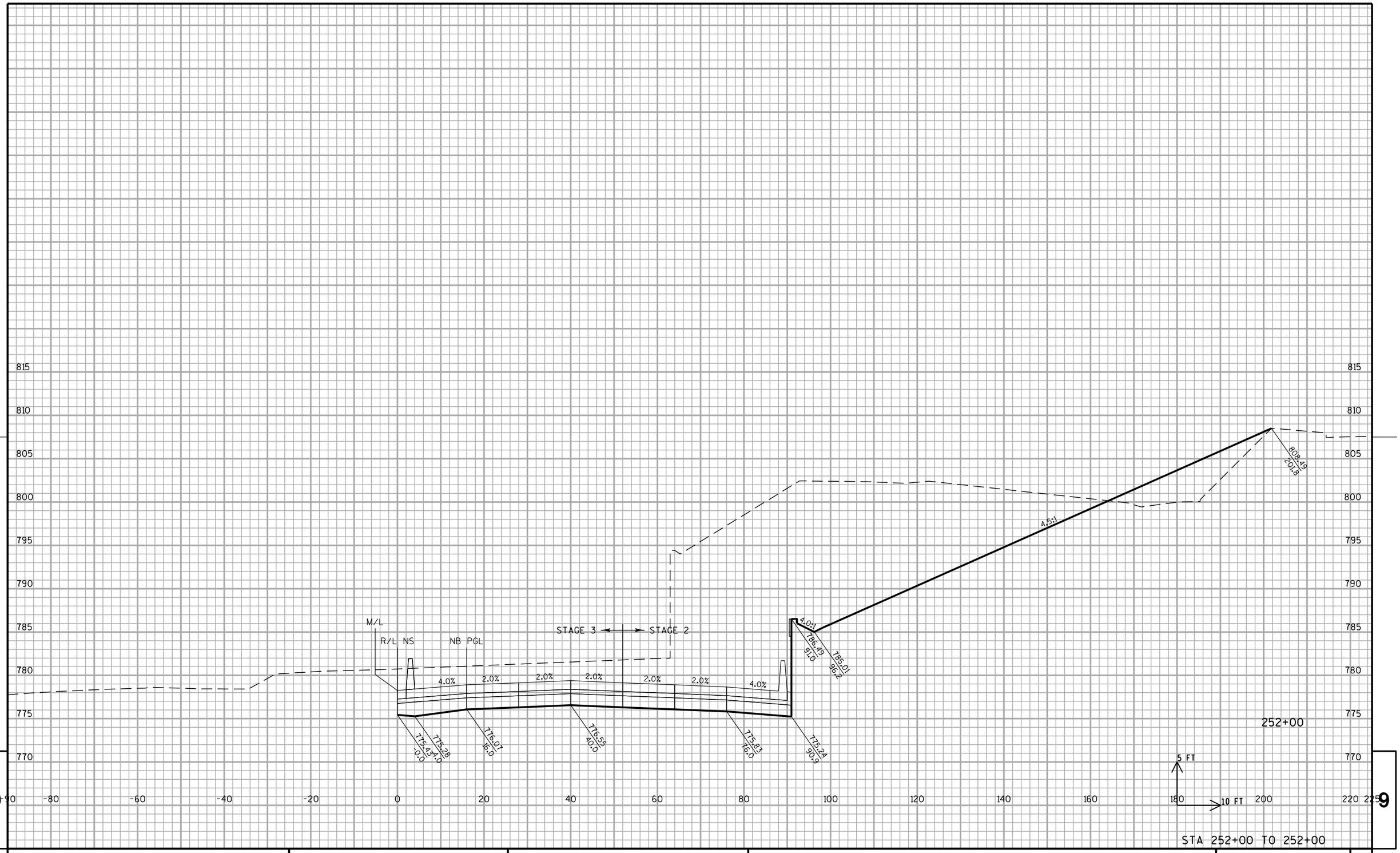
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



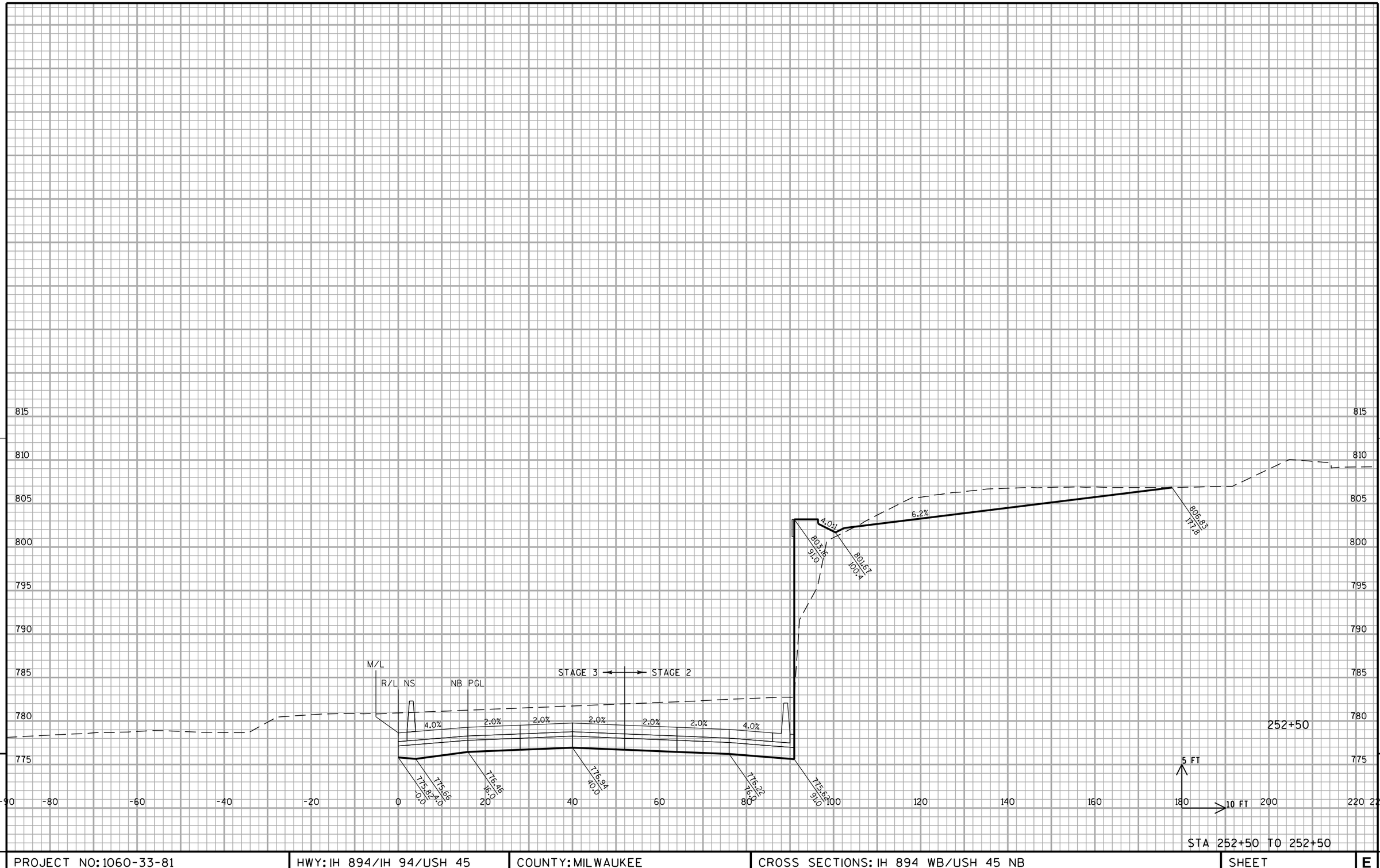
STA 251+50 TO 251+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s62 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

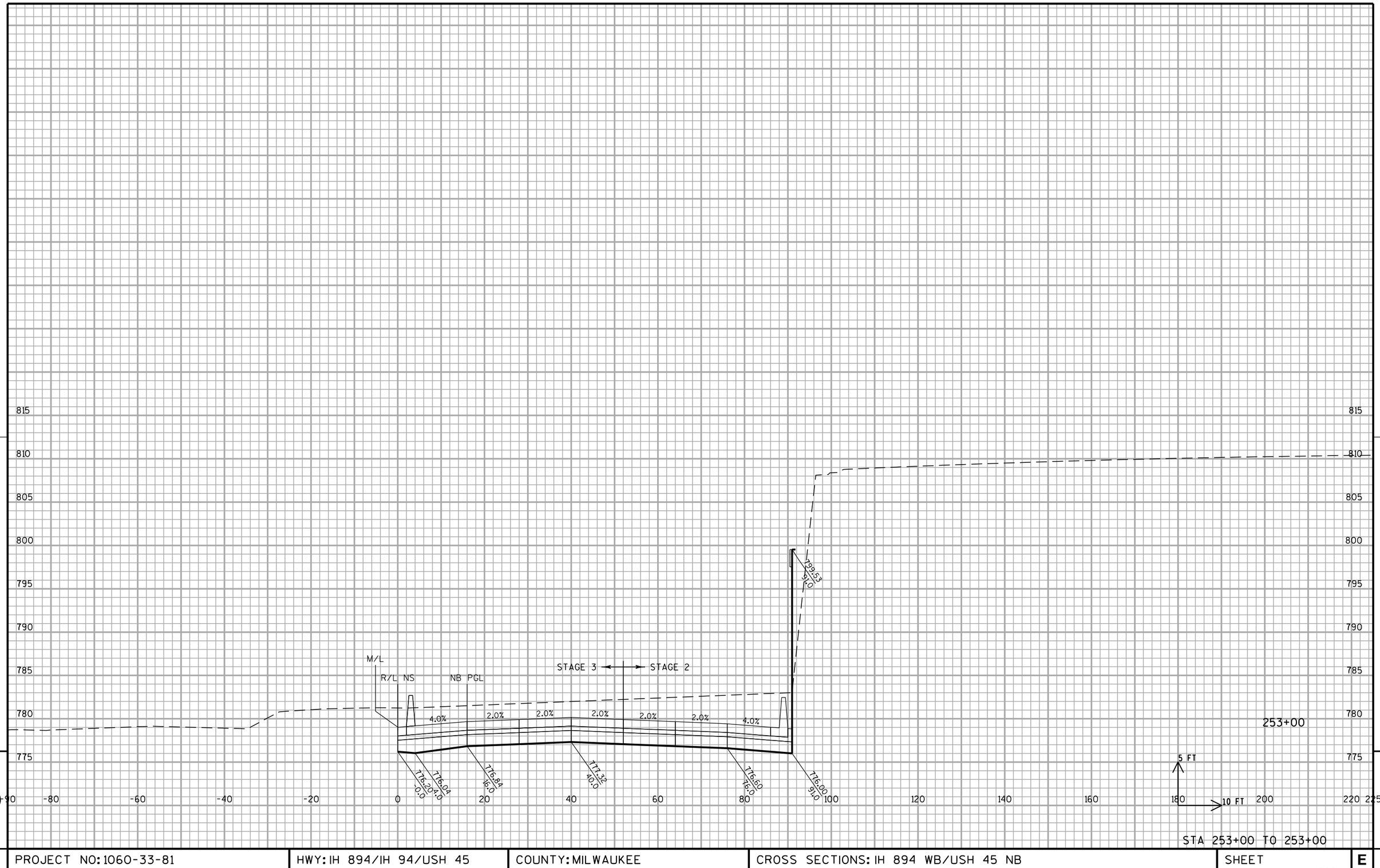


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



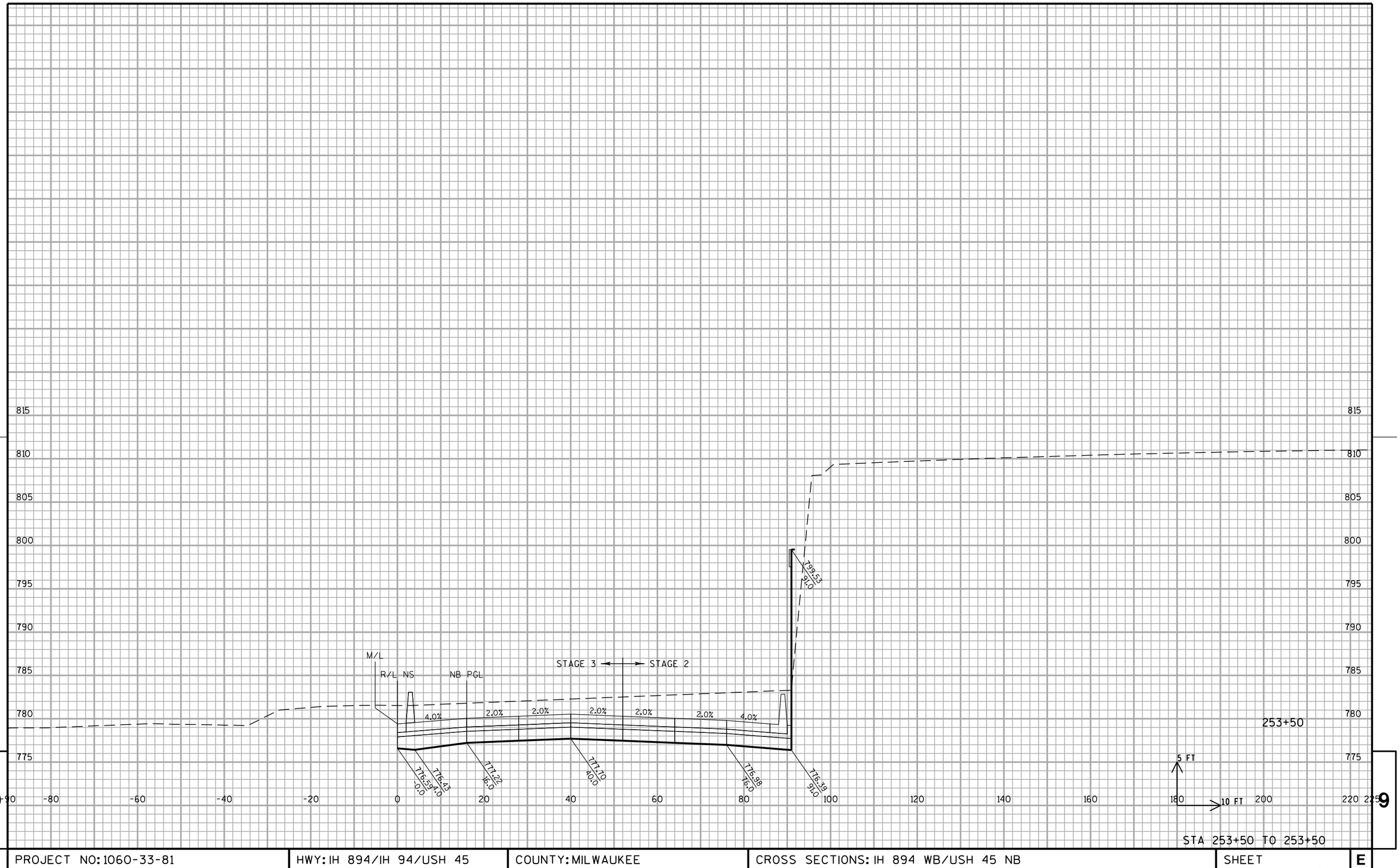
STA 252+50 TO 252+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



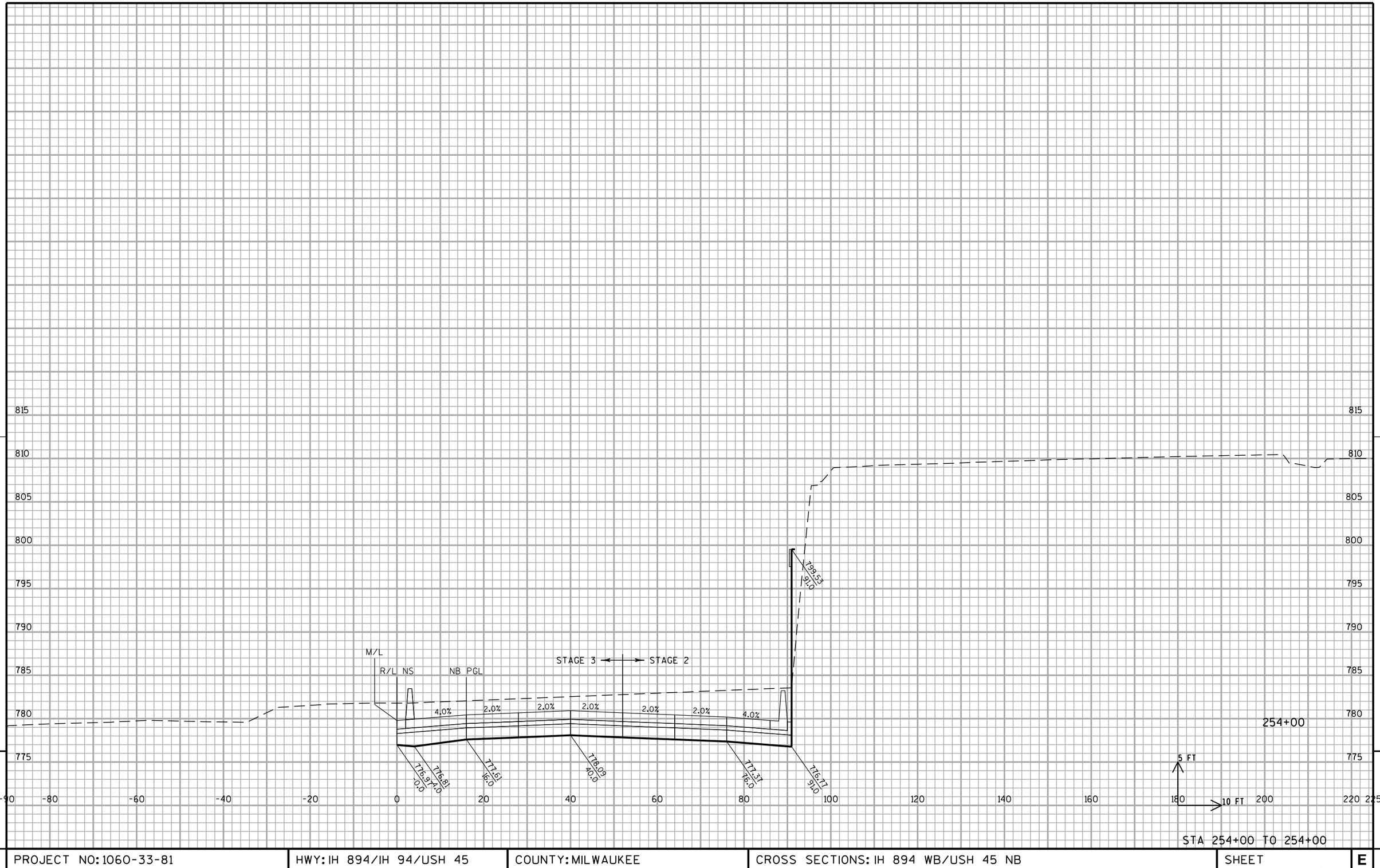
STA 253+00 TO 253+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



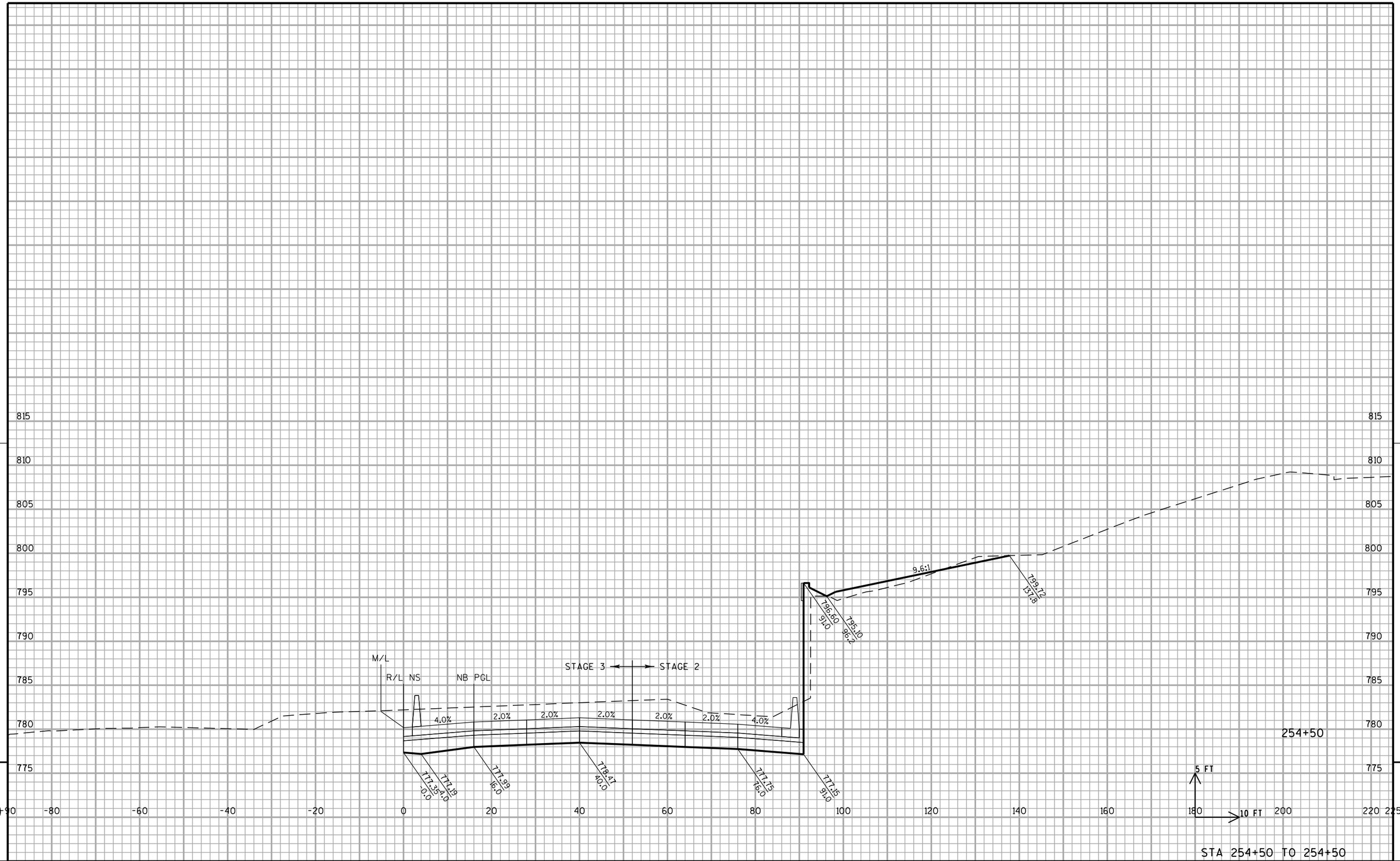
STA 253+50 TO 253+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 254+00 TO 254+00

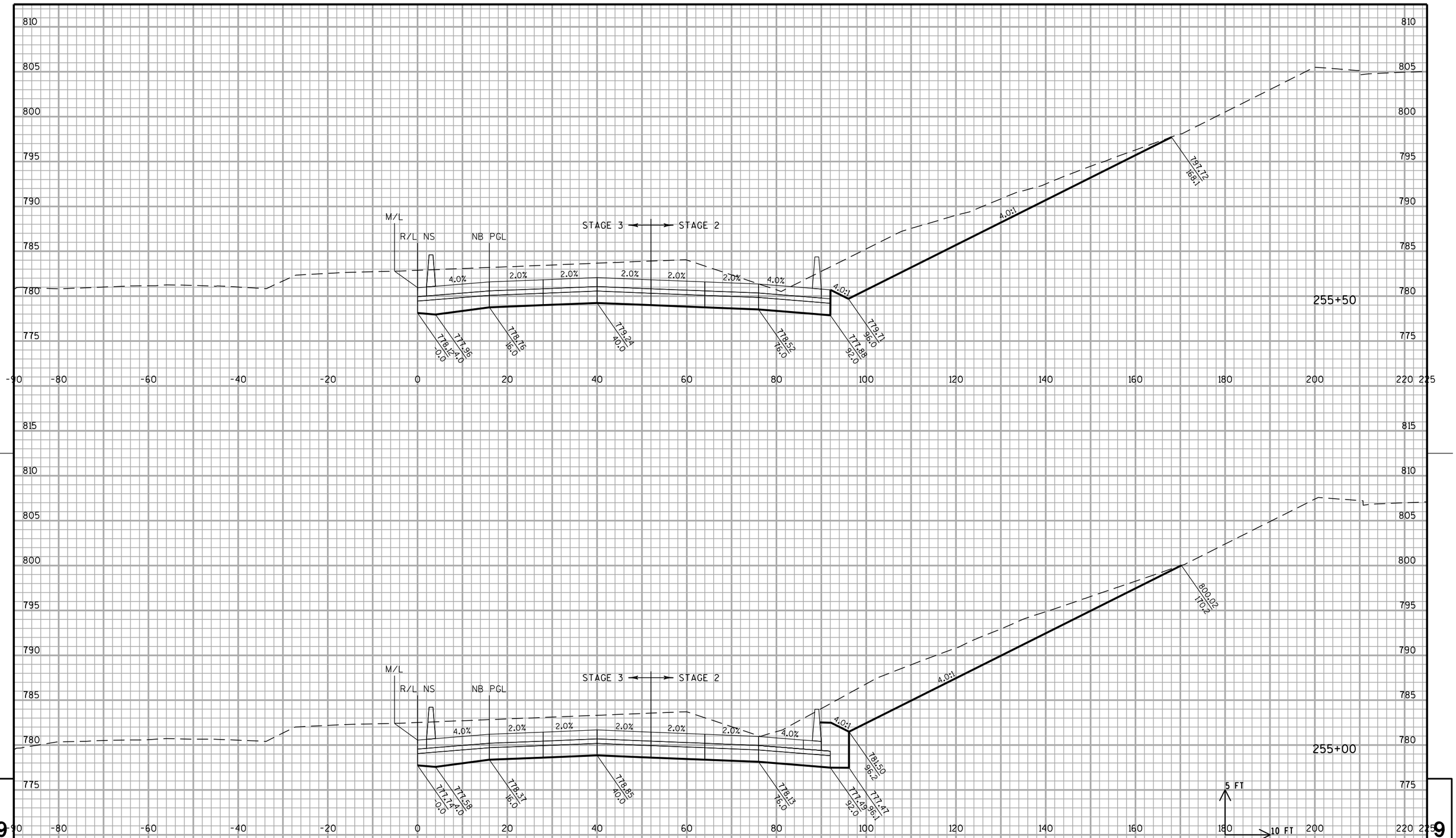
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 254+50 TO 254+50

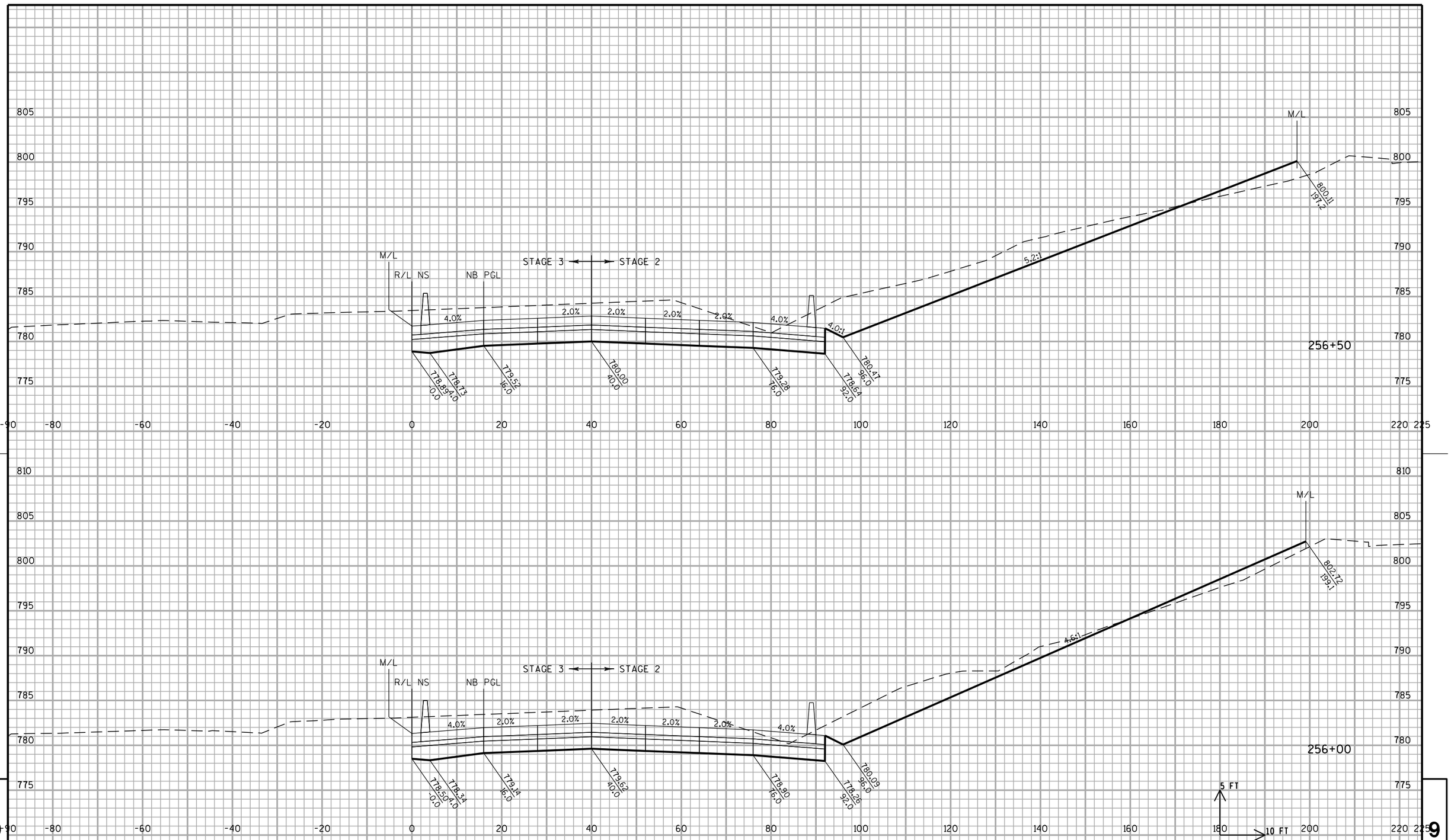
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_NS_NB_S.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090201_xs_NS_NB_S68 PLOT SCALE : 20:1



STA 255+00 TO 255+50

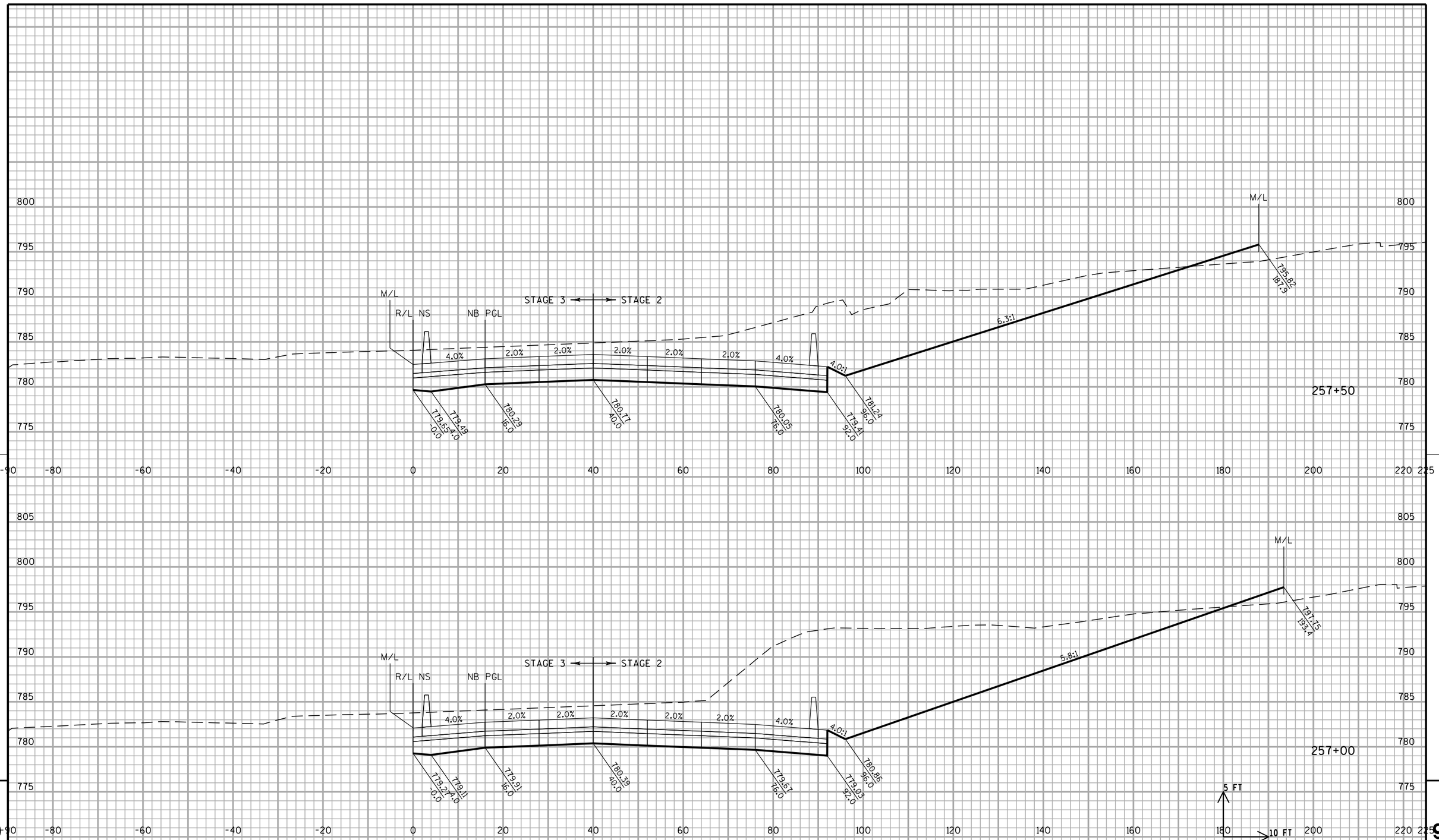
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



9

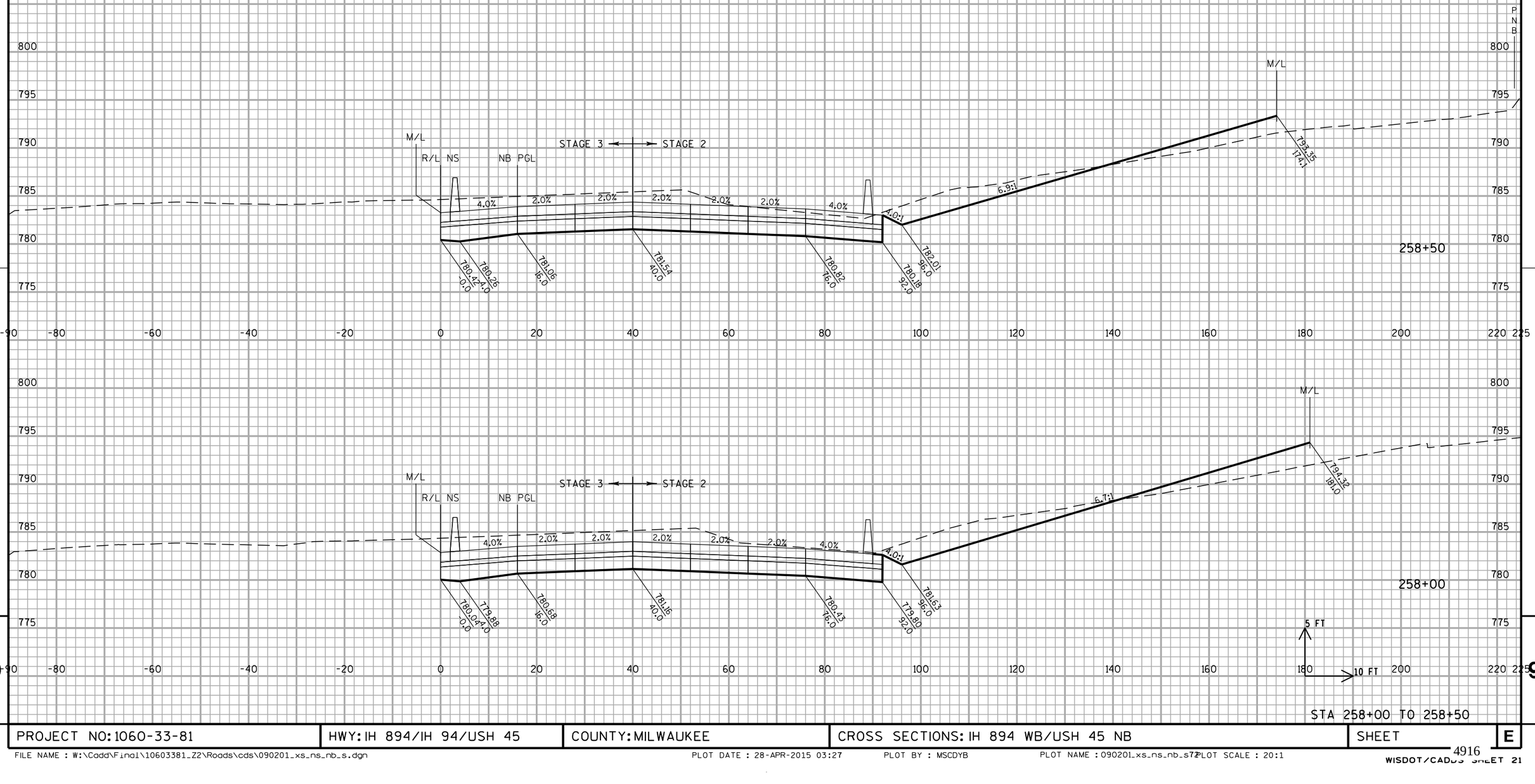
STA 256+00 TO 256+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 257+00 TO 257+50

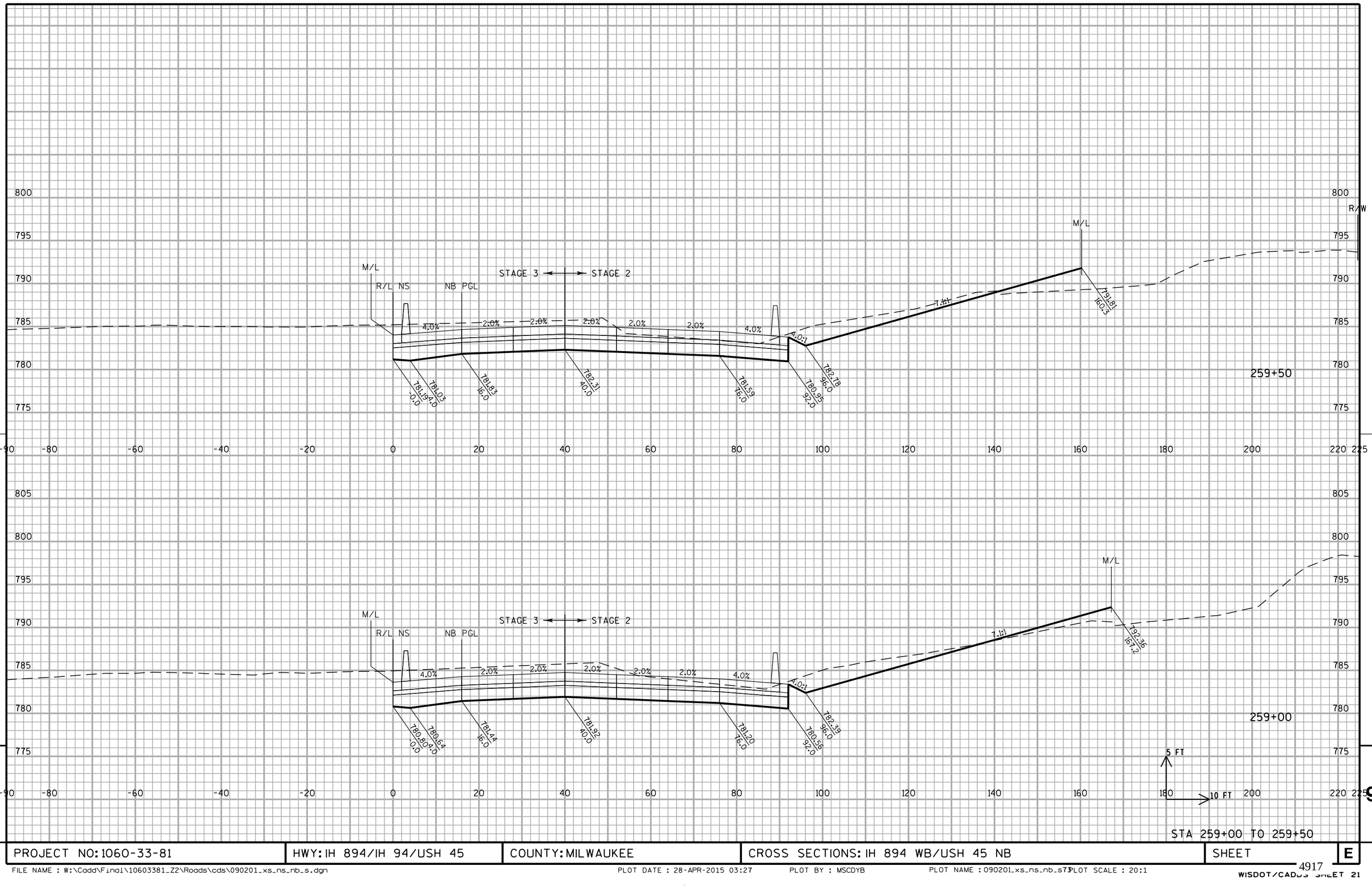
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 258+00 TO 258+50

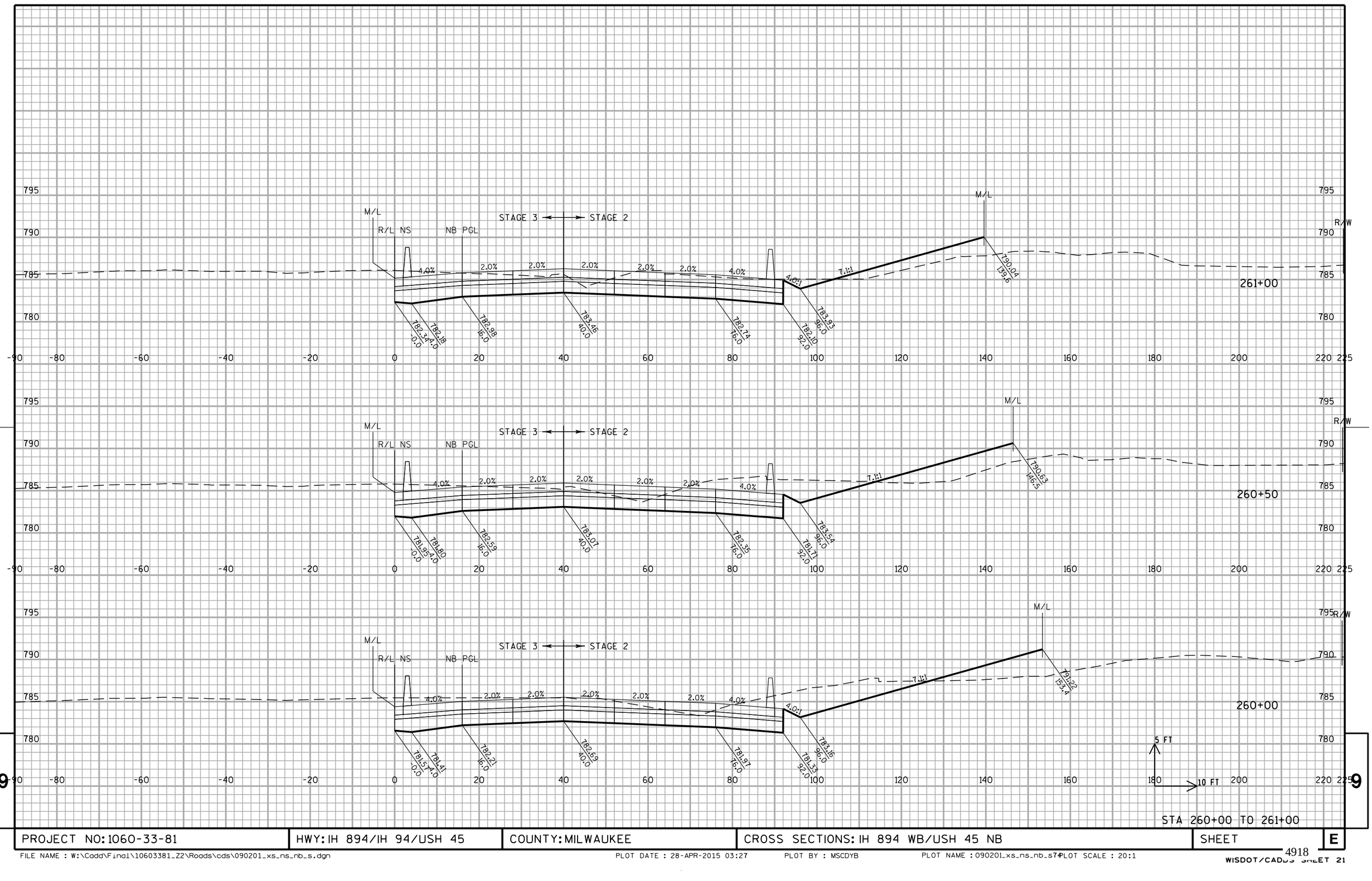
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s72 PLOT SCALE : 20:1



STA 259+00 TO 259+50

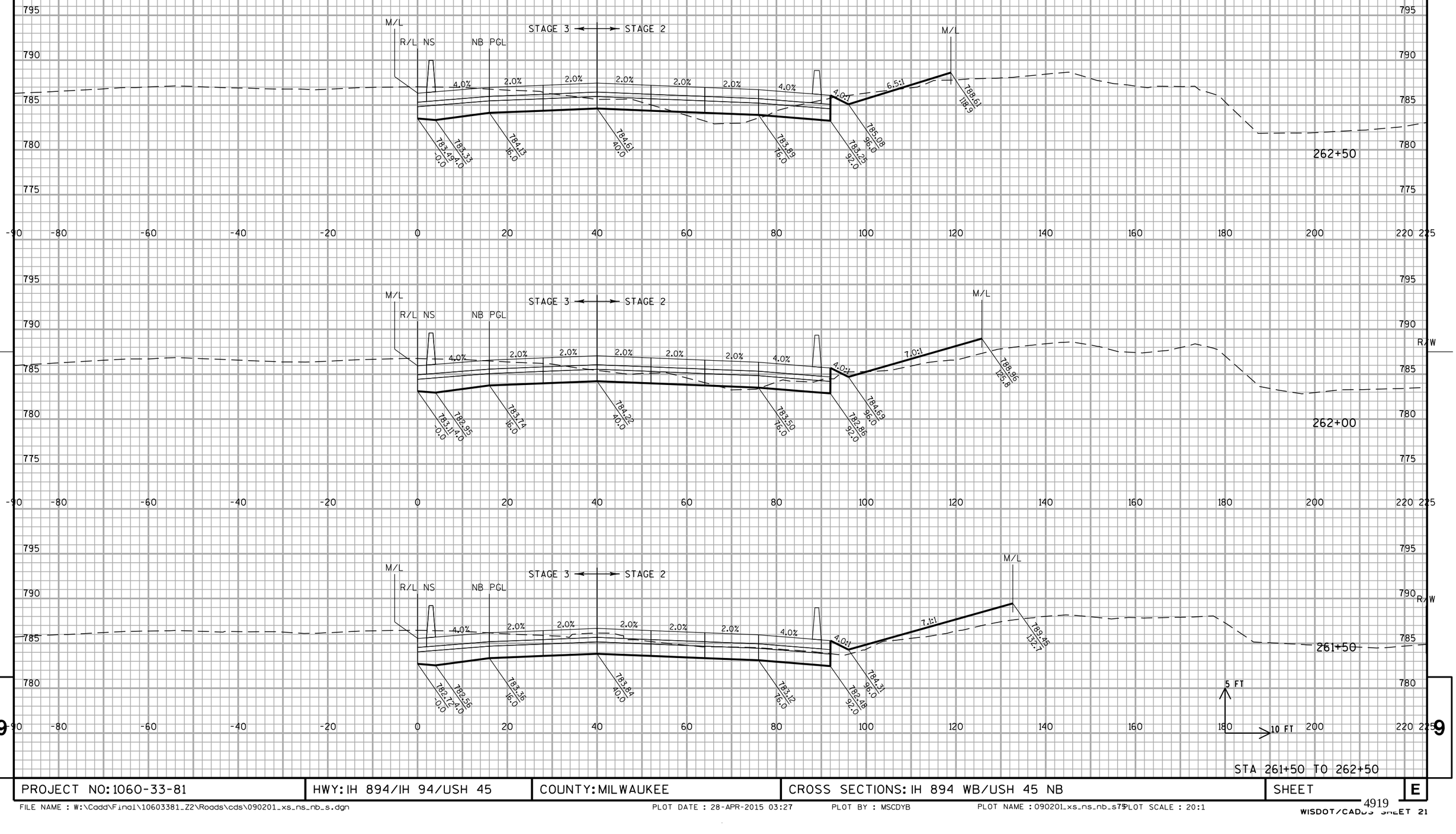
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 260+00 TO 261+00

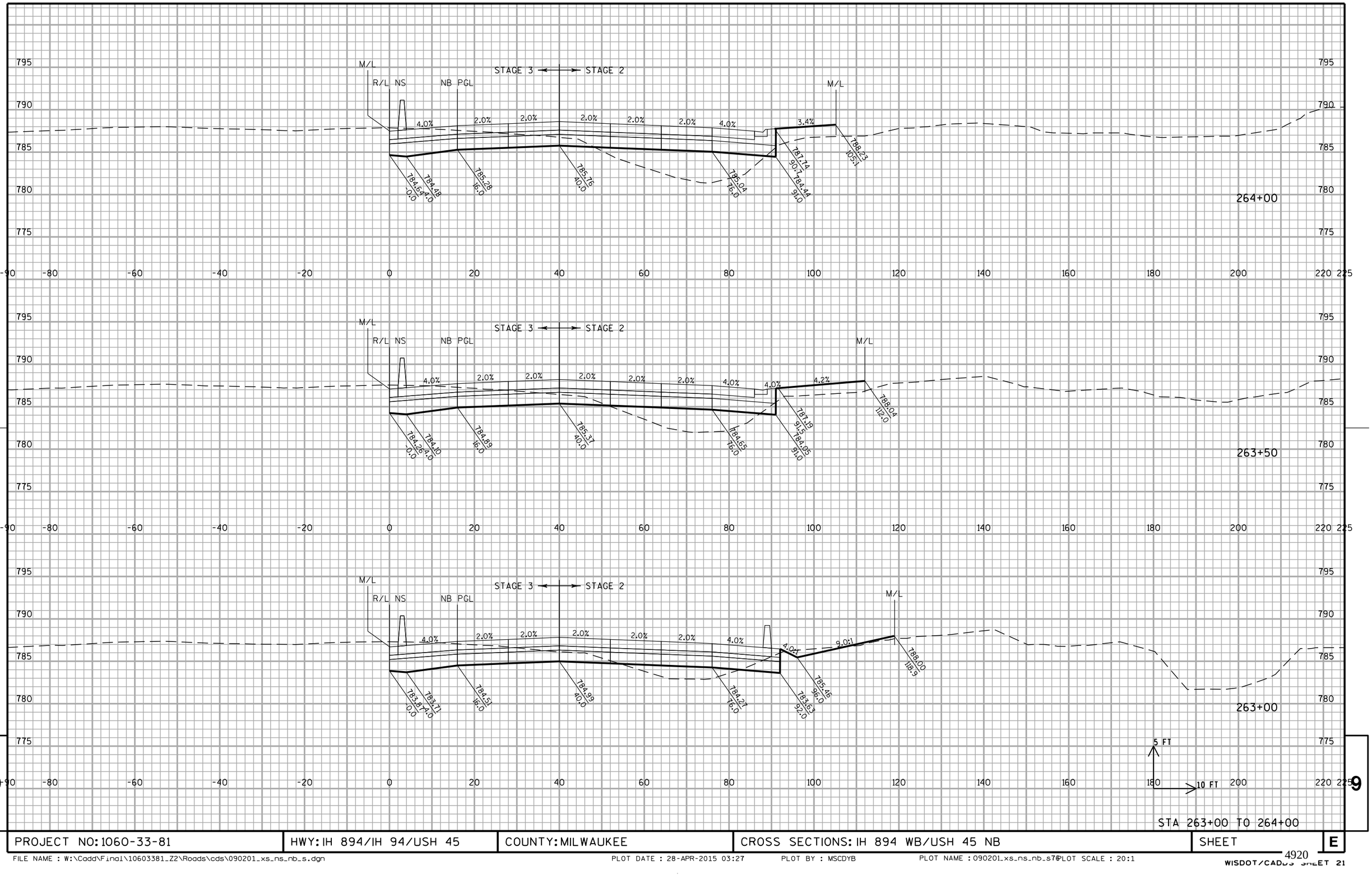
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s74 PLOT SCALE : 20:1



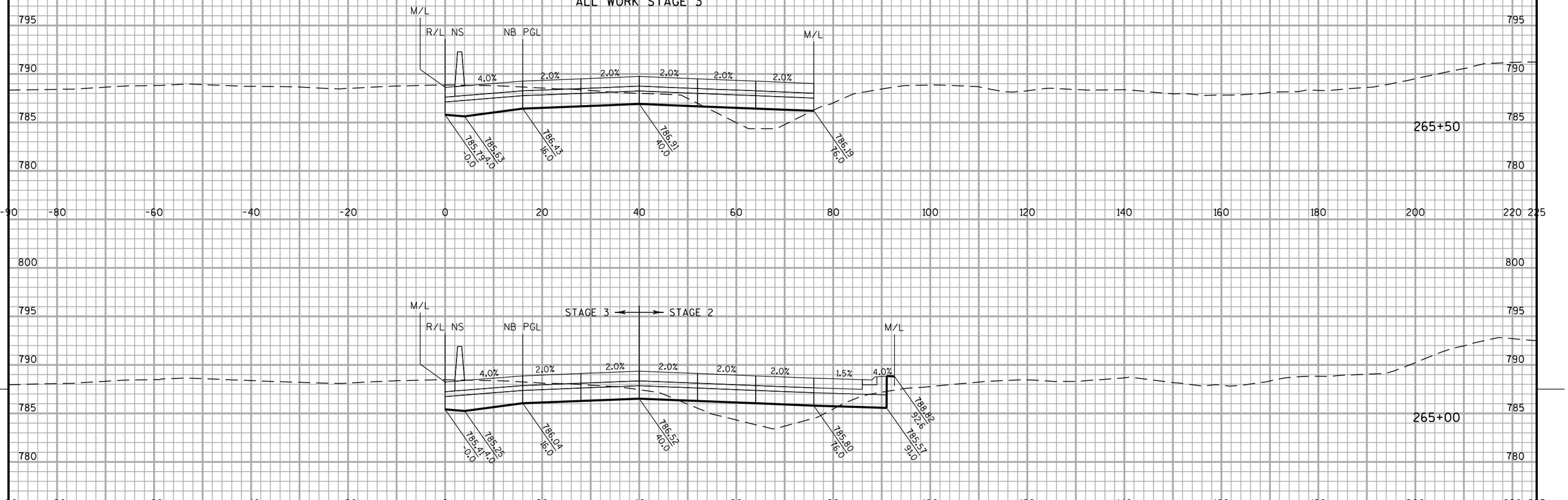
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

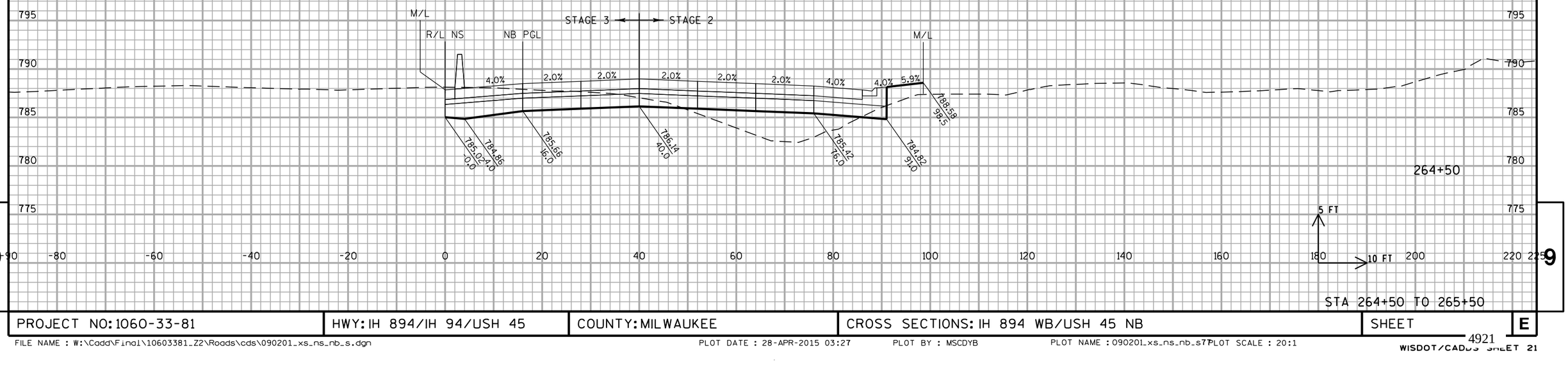
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s75 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 3



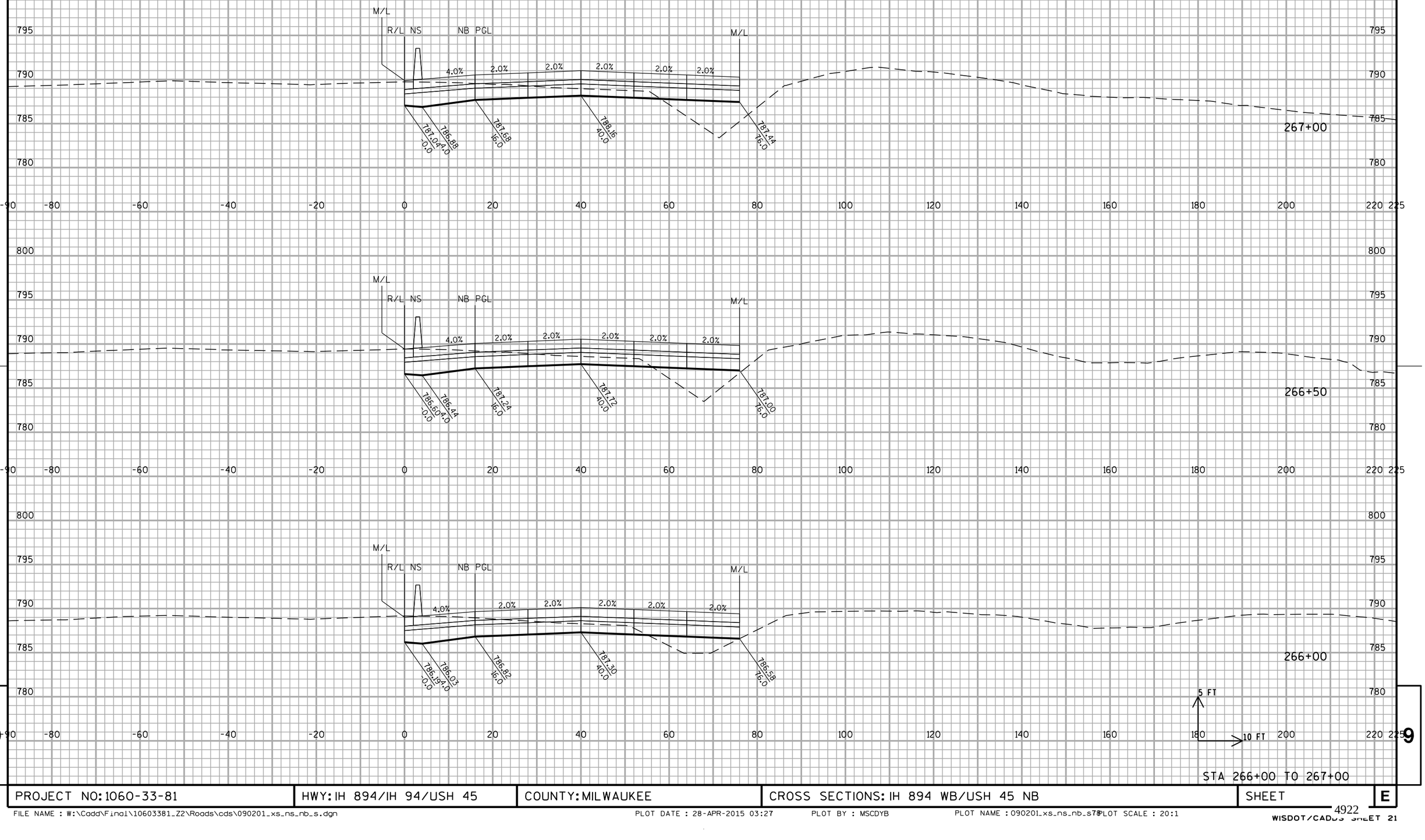


STA 264+50 TO 265+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s7 PLOT SCALE : 20:1

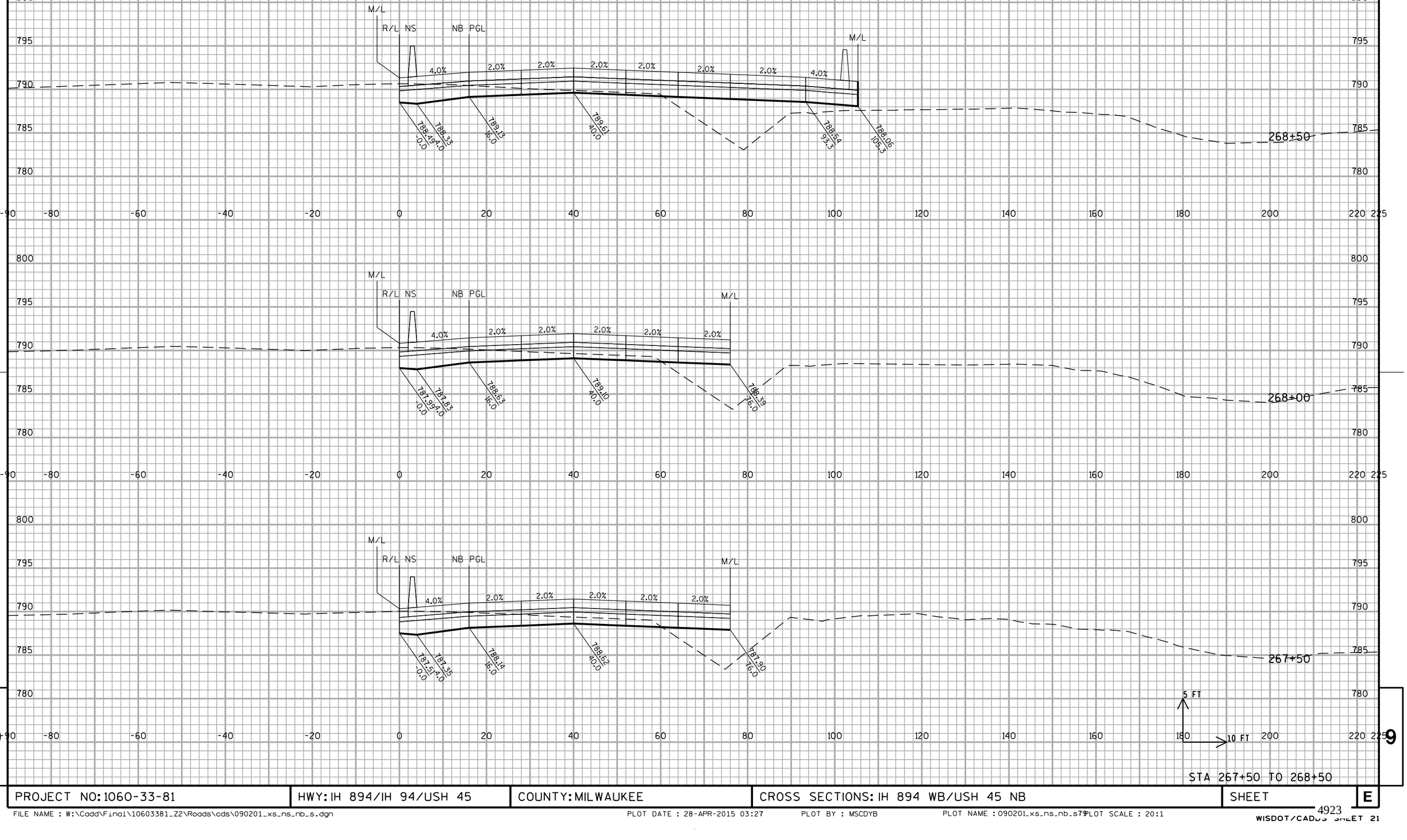
ALL WORK STAGE 3



STA 266+00 TO 267+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

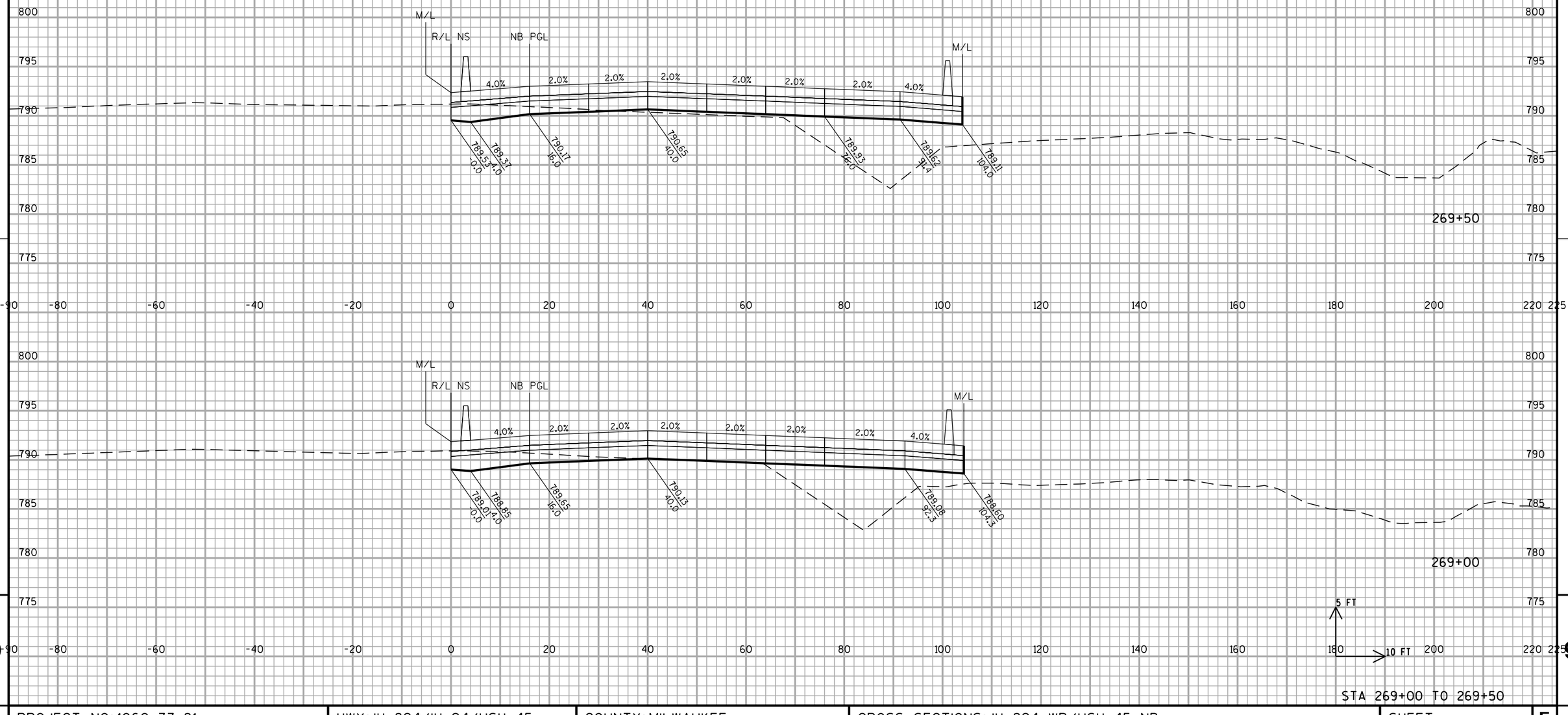
ALL WORK STAGE 3



STA 267+50 TO 268+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

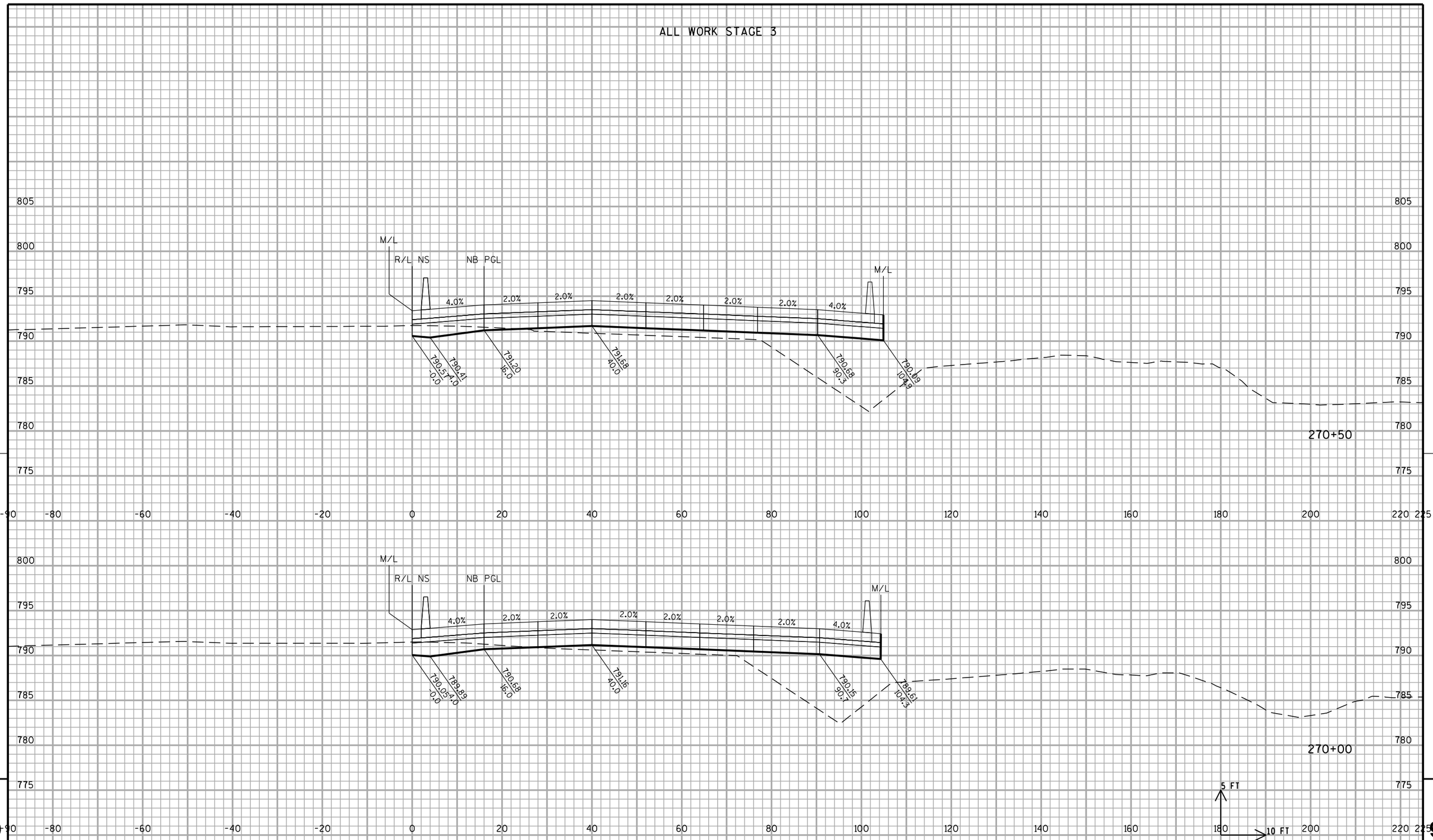
ALL WORK STAGE 3



STA 269+00 TO 269+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

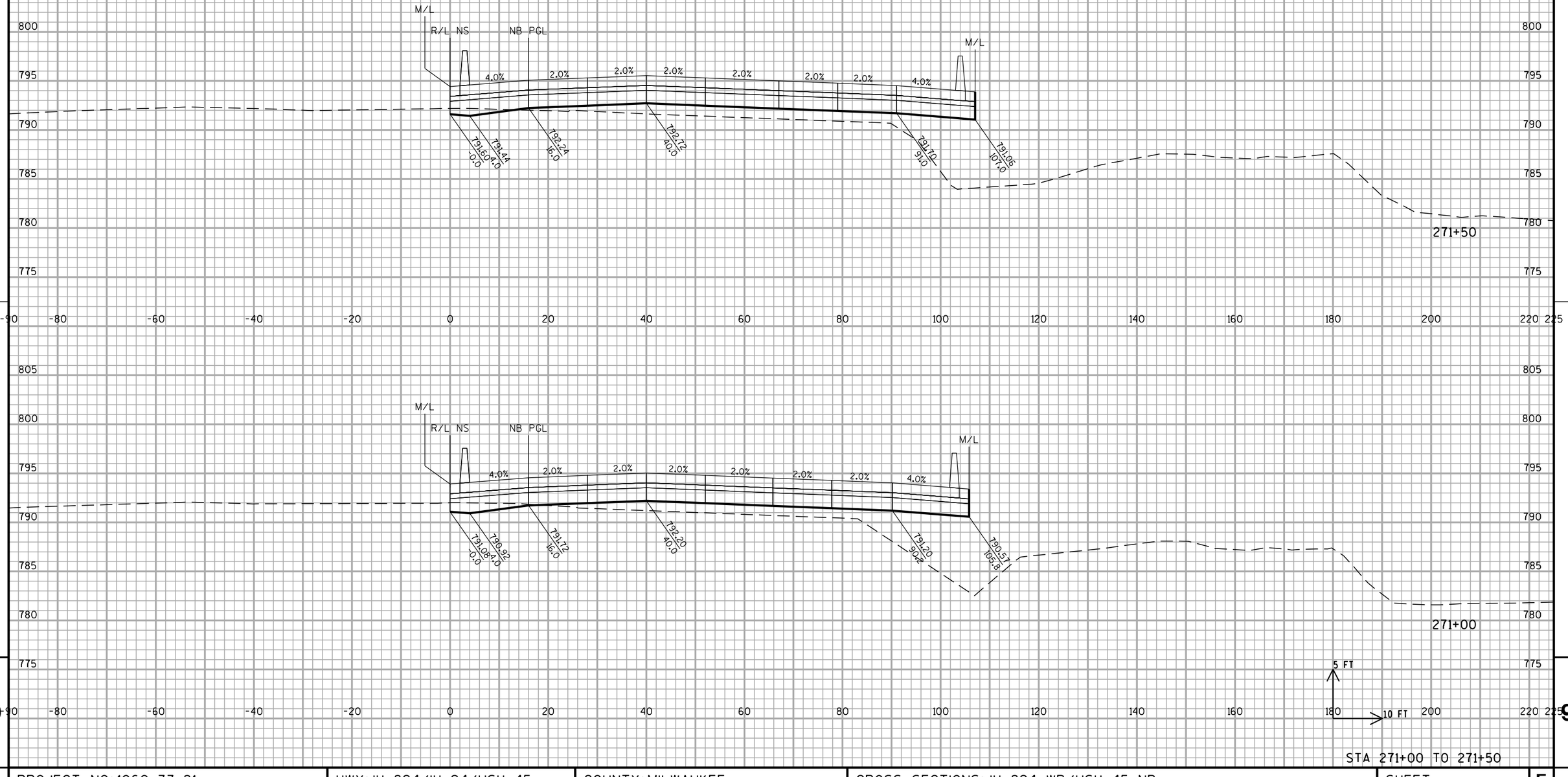
ALL WORK STAGE 3



STA 270+00 TO 270+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

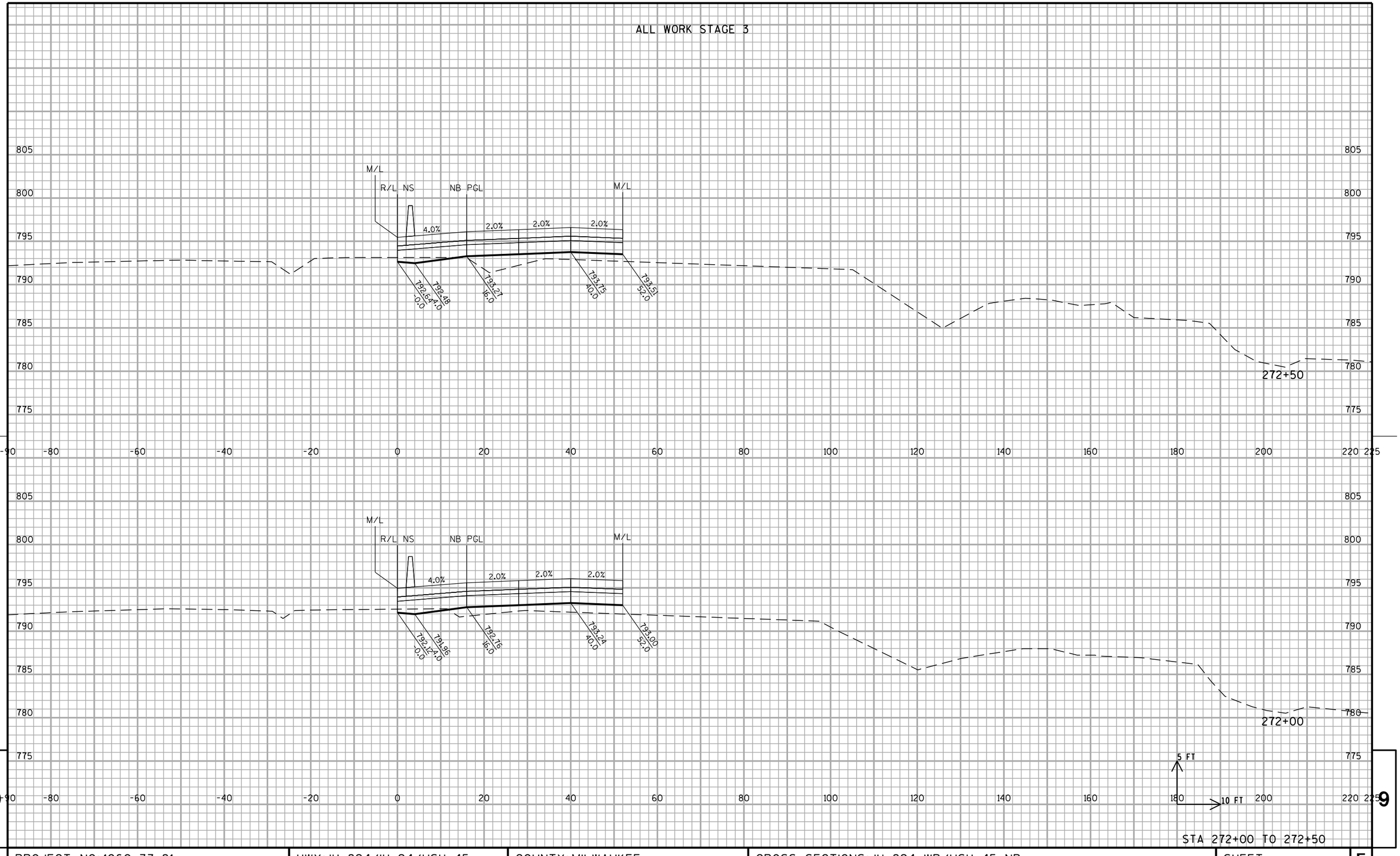
ALL WORK STAGE 3



STA 271+00 TO 271+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

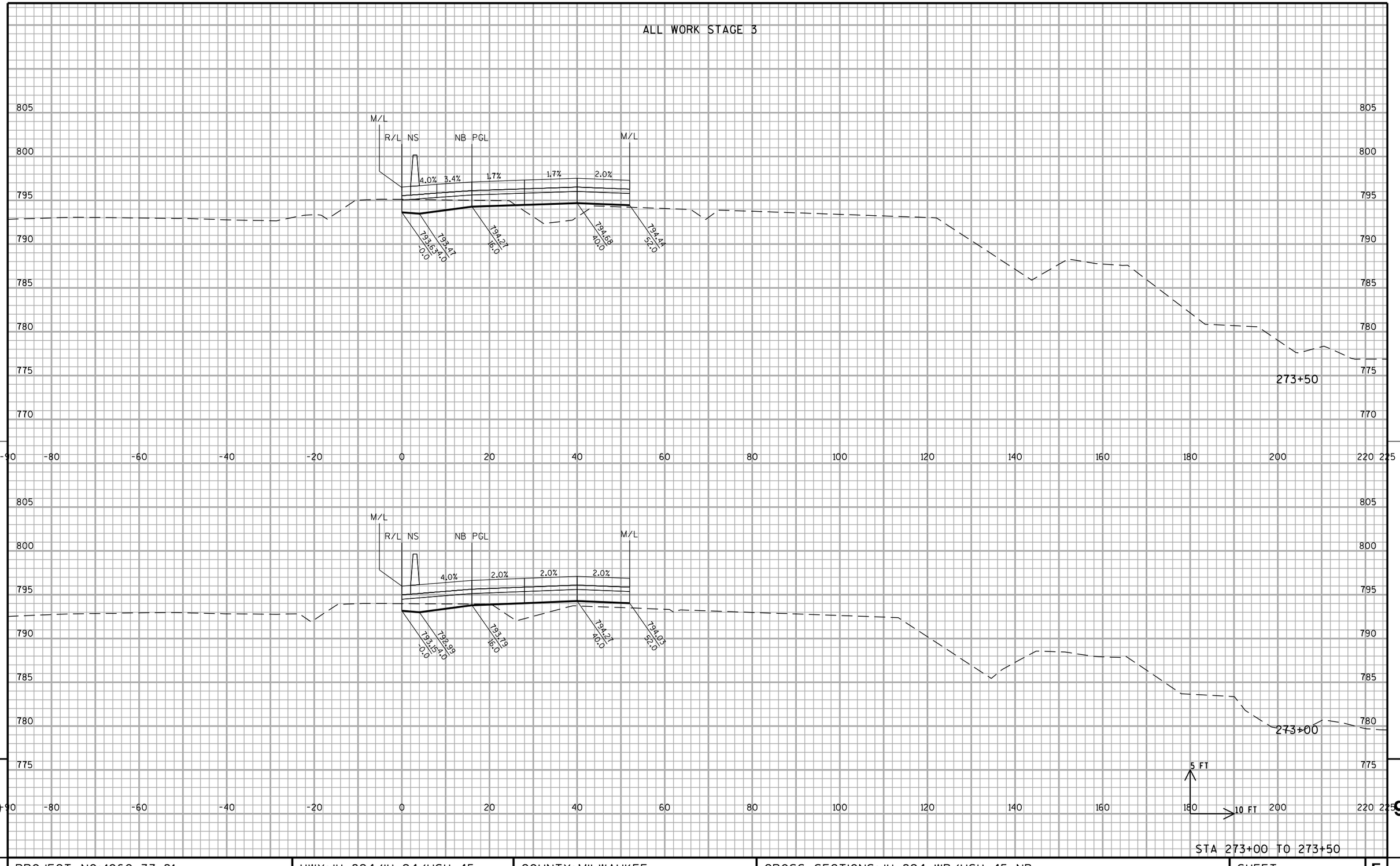
ALL WORK STAGE 3



STA 272+00 TO 272+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

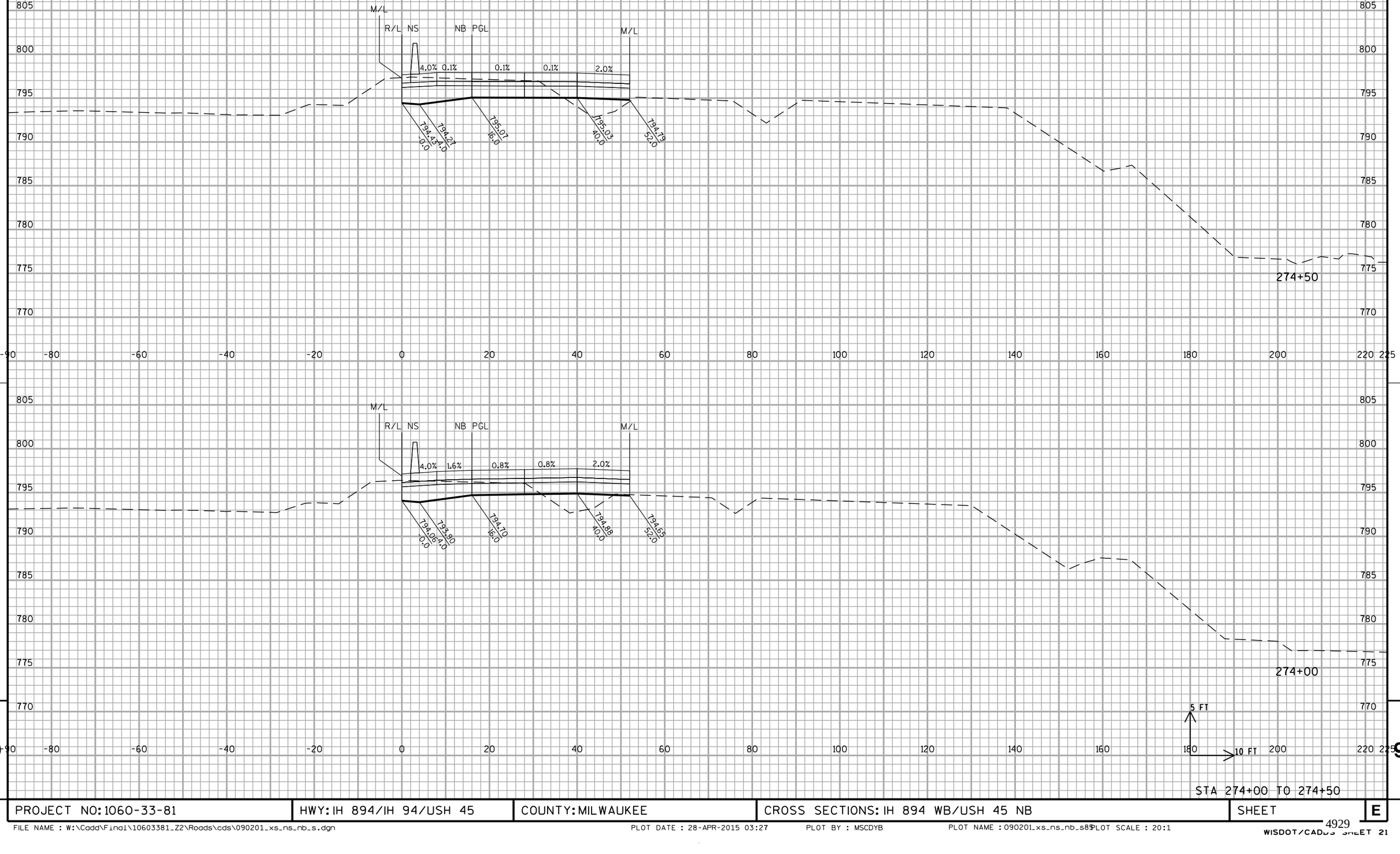
ALL WORK STAGE 3



STA 273+00 TO 273+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

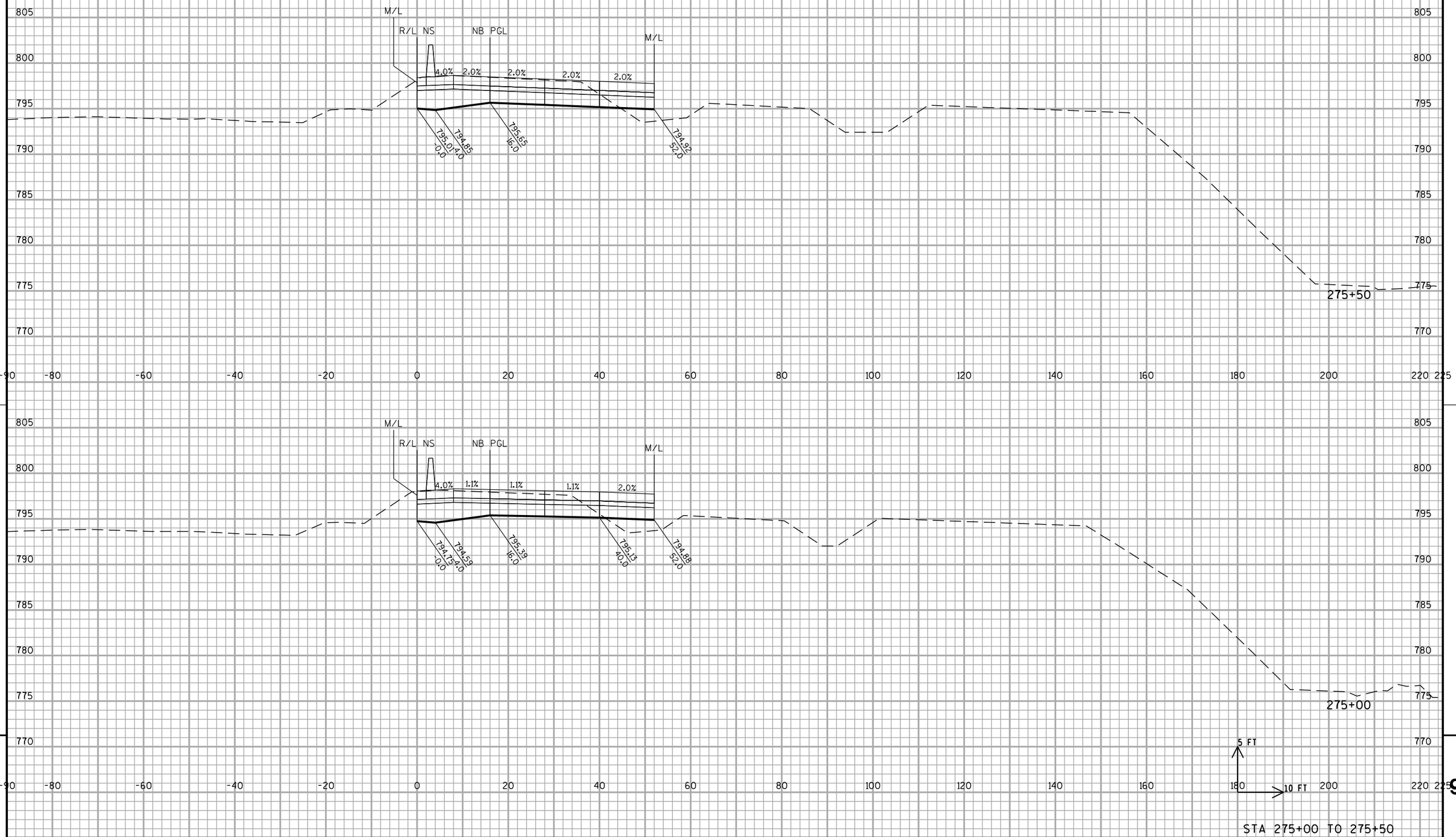
ALL WORK STAGE 3



STA 274+00 TO 274+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

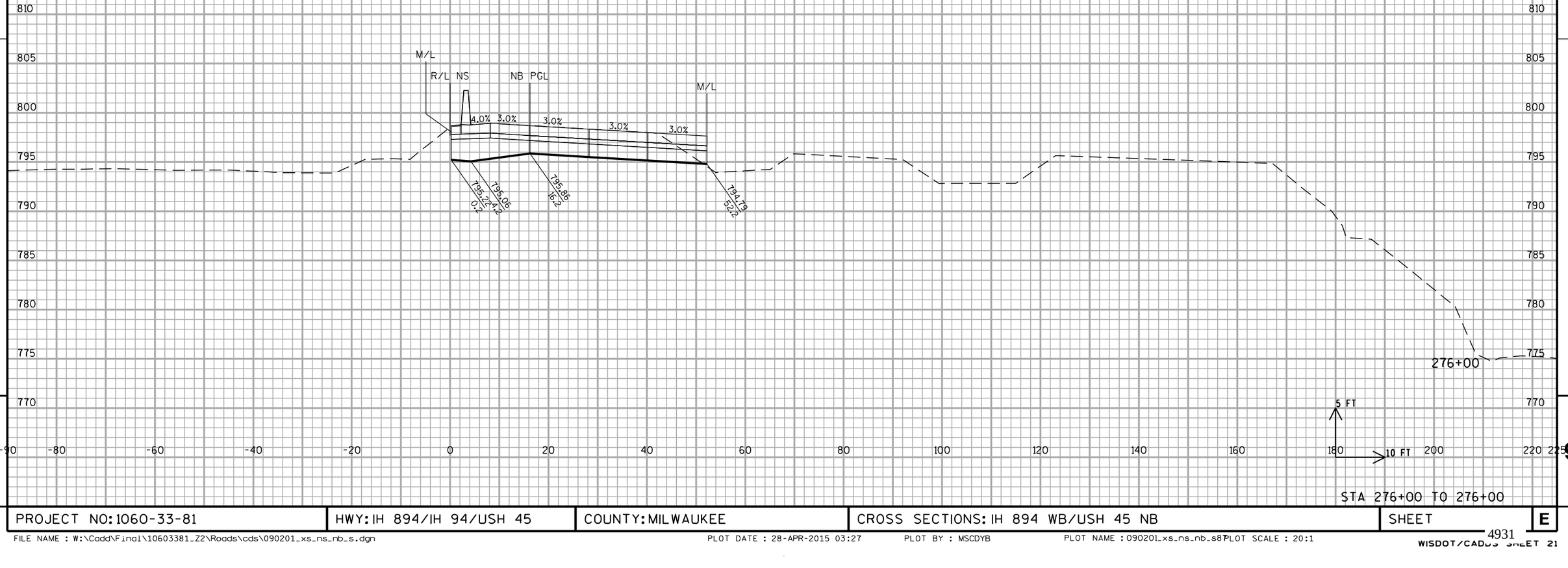
ALL WORK STAGE 3



STA 275+00 TO 275+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

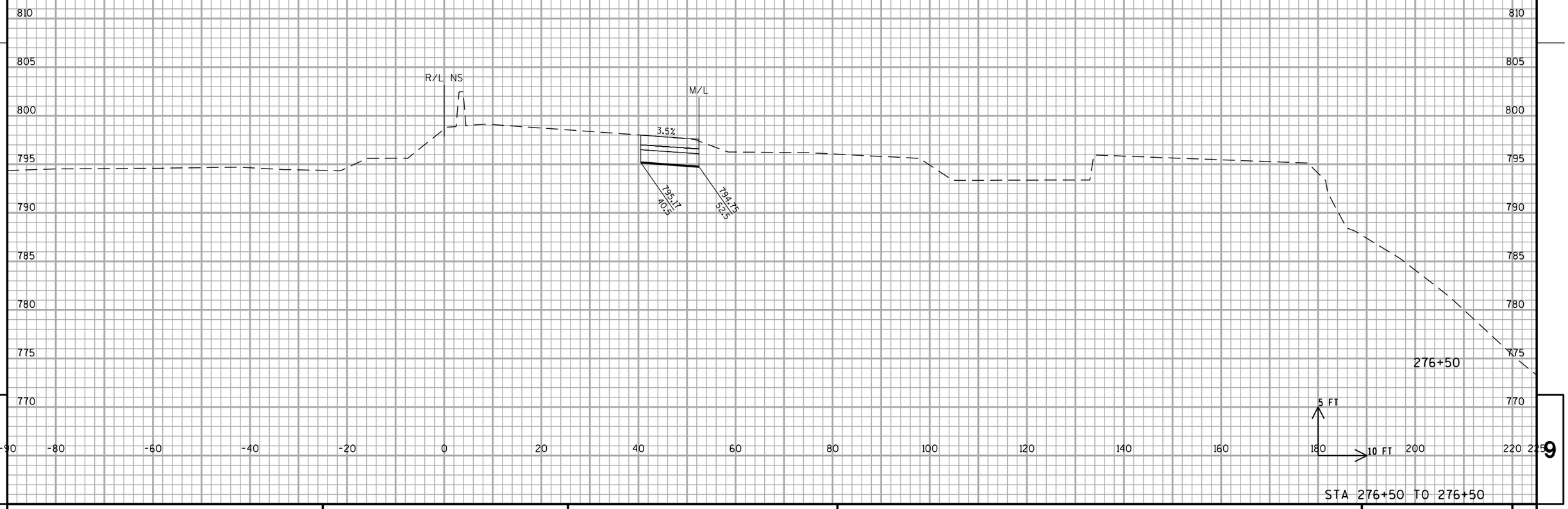
ALL WORK STAGE 3



STA 276+00 TO 276+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 3



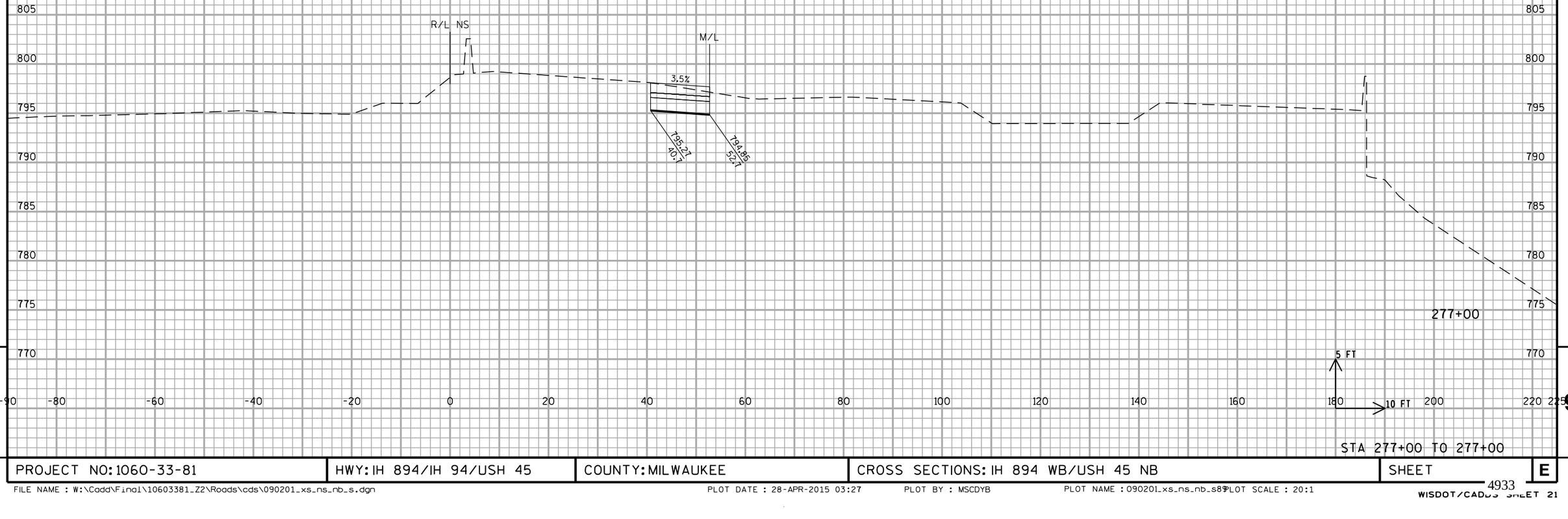
9

9

STA 276+50 TO 276+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 3



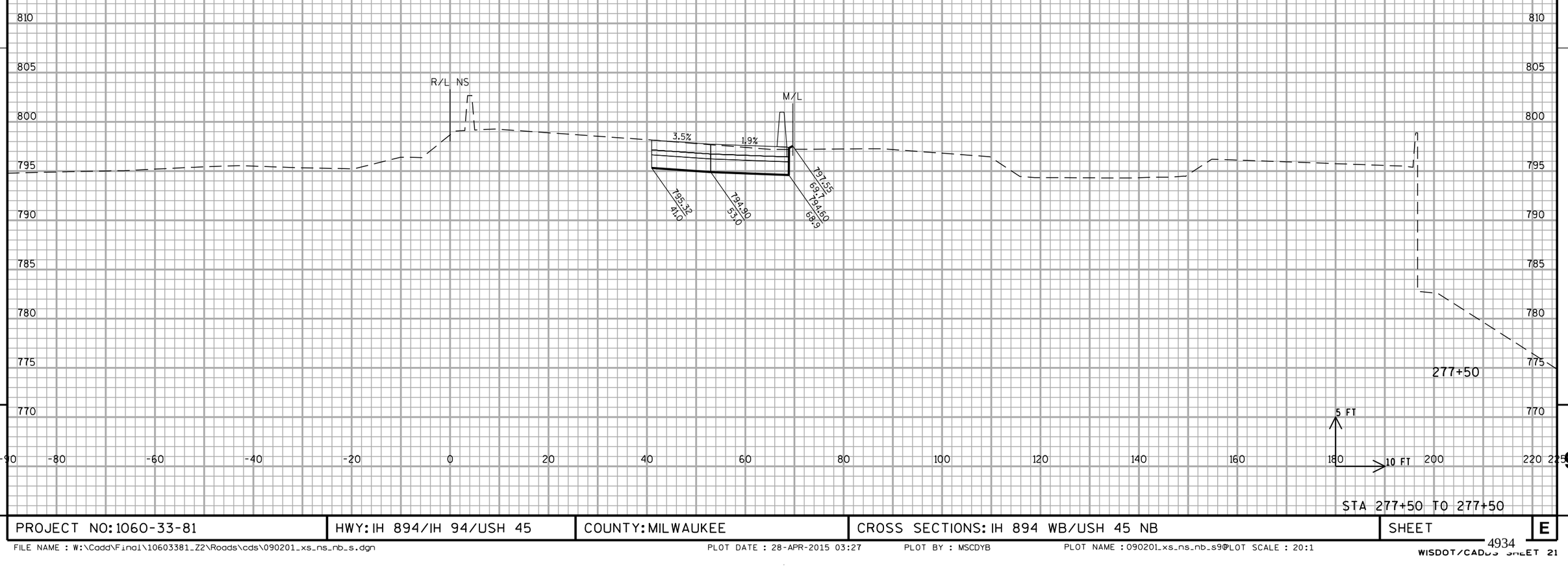
9

9

STA 277+00 TO 277+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

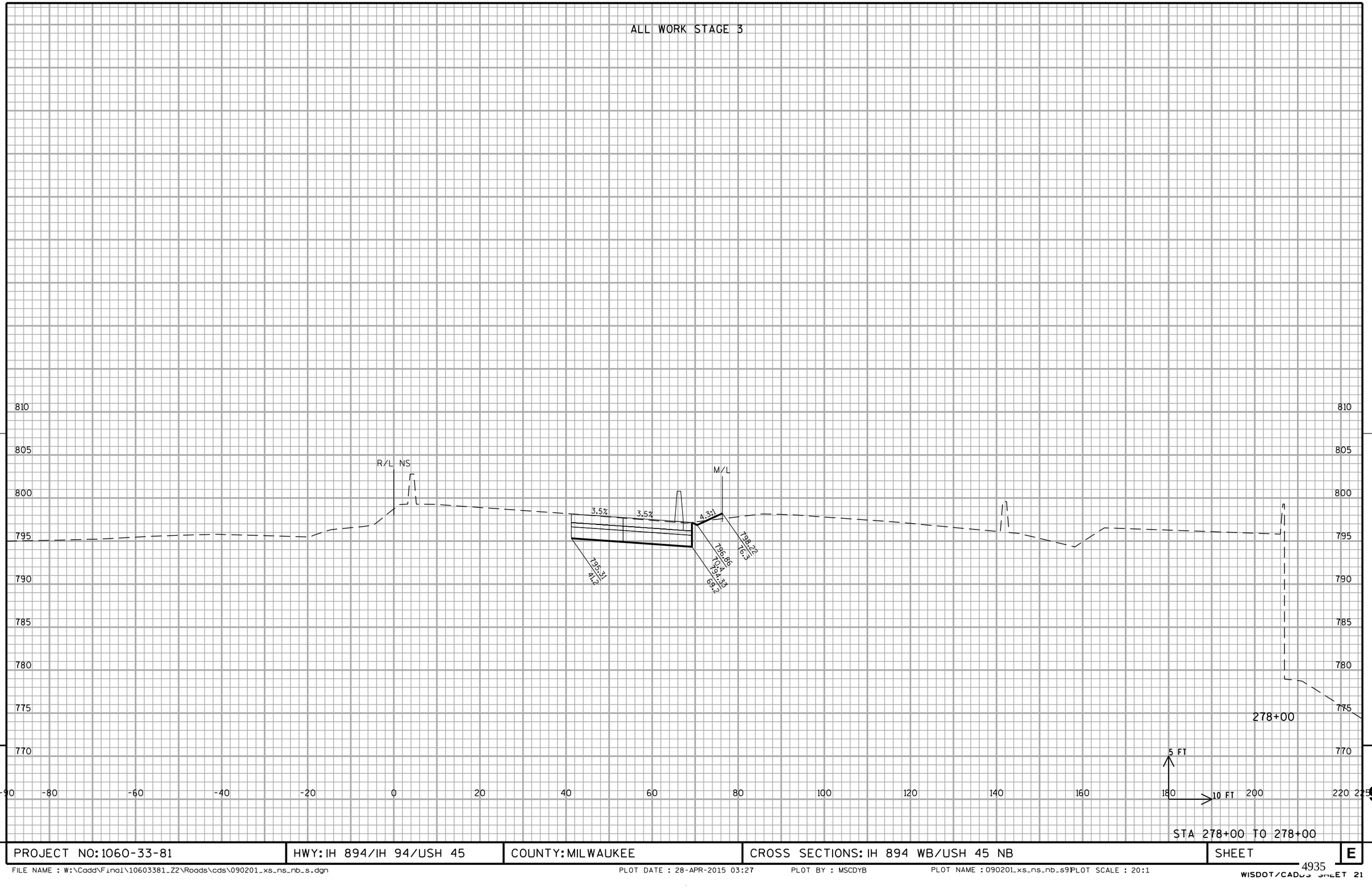
ALL WORK STAGE 3



STA 277+50 TO 277+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

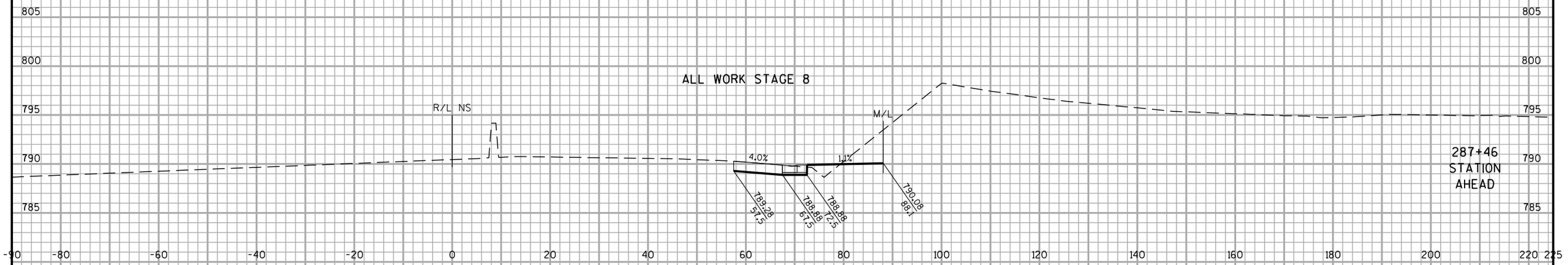
ALL WORK STAGE 3



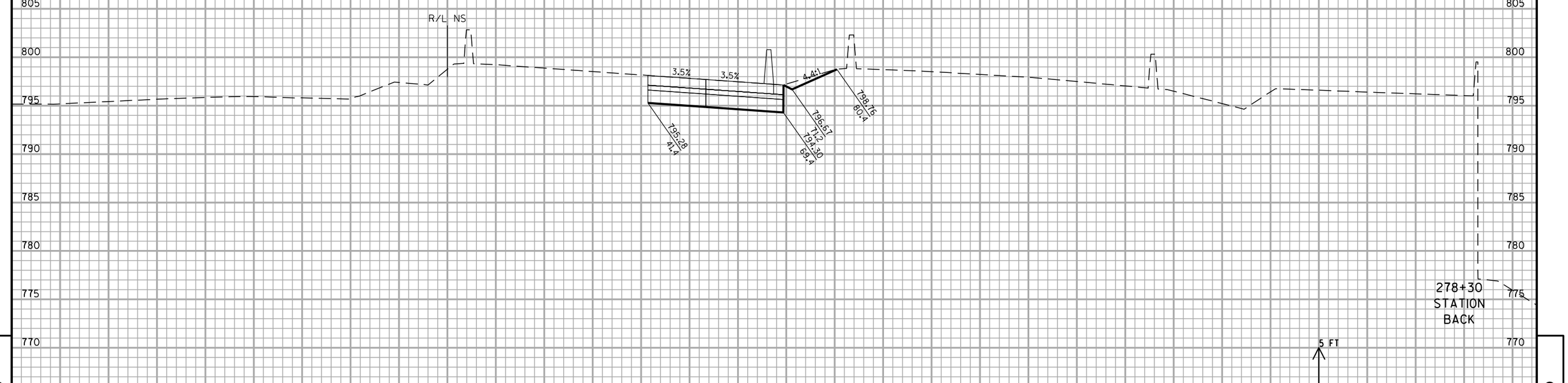
STA 278+00 TO 278+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 8



ALL WORK STAGE 3



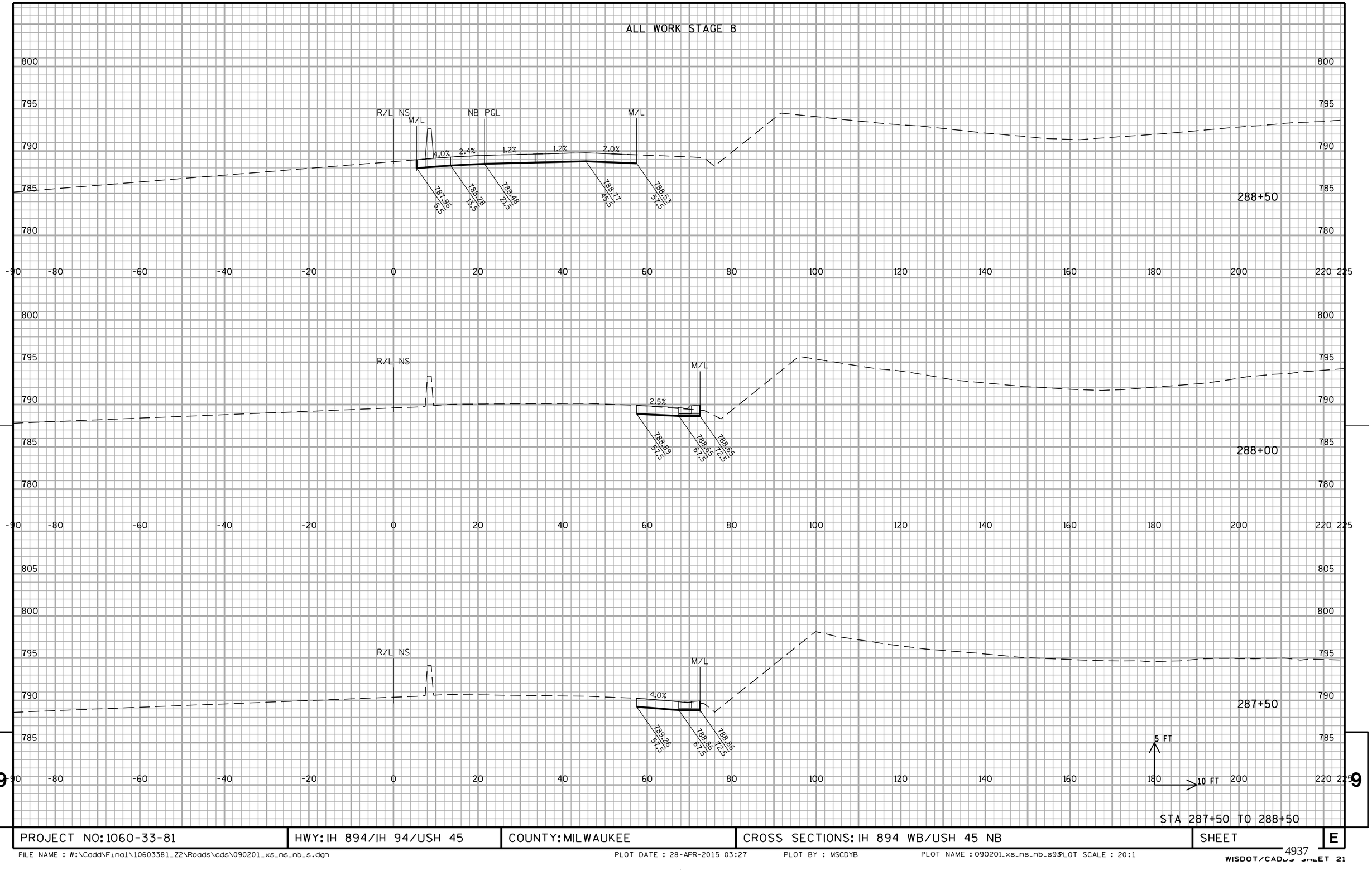
STA 278+30 TO 287+46

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s92 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

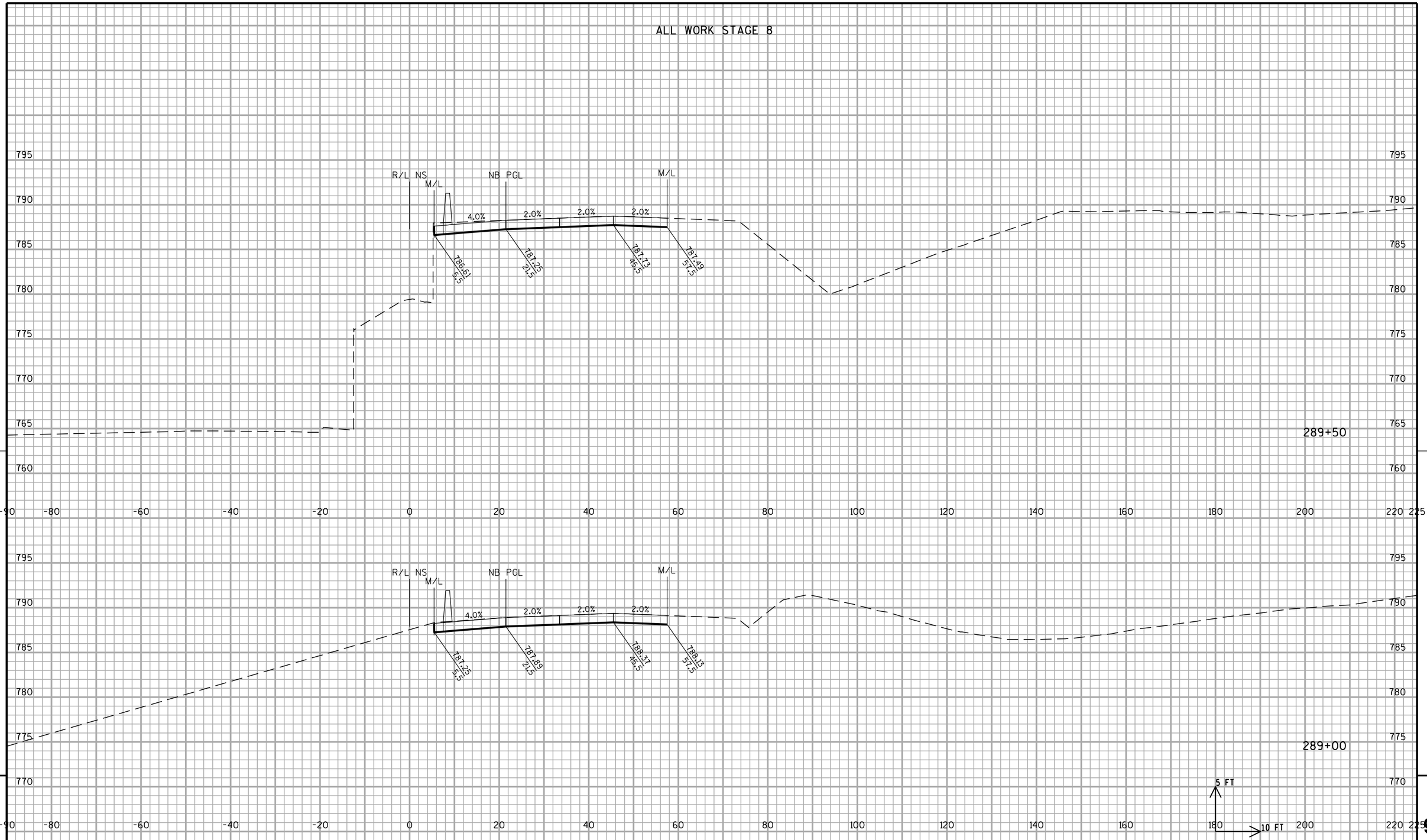
ALL WORK STAGE 8



STA 287+50 TO 288+50

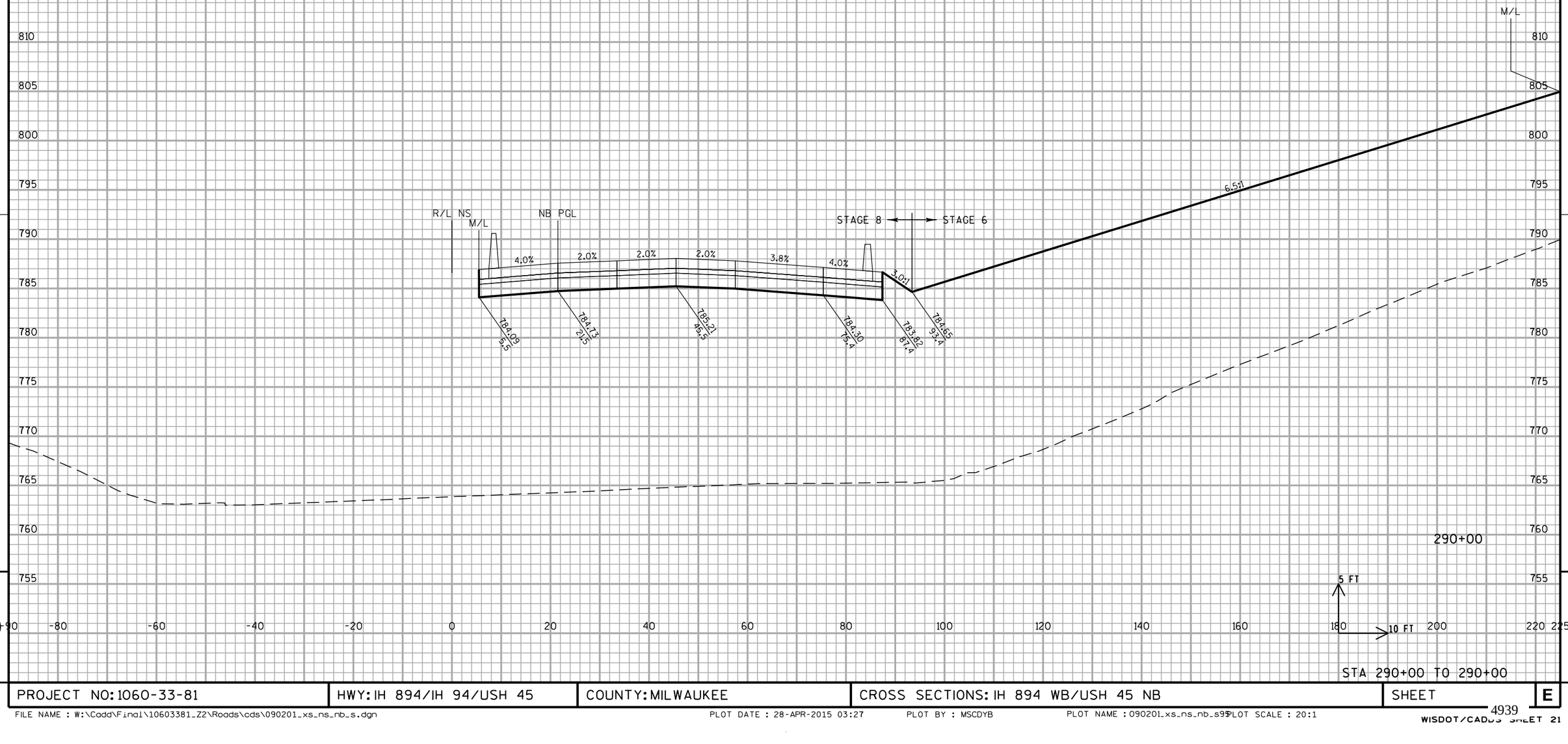
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 8



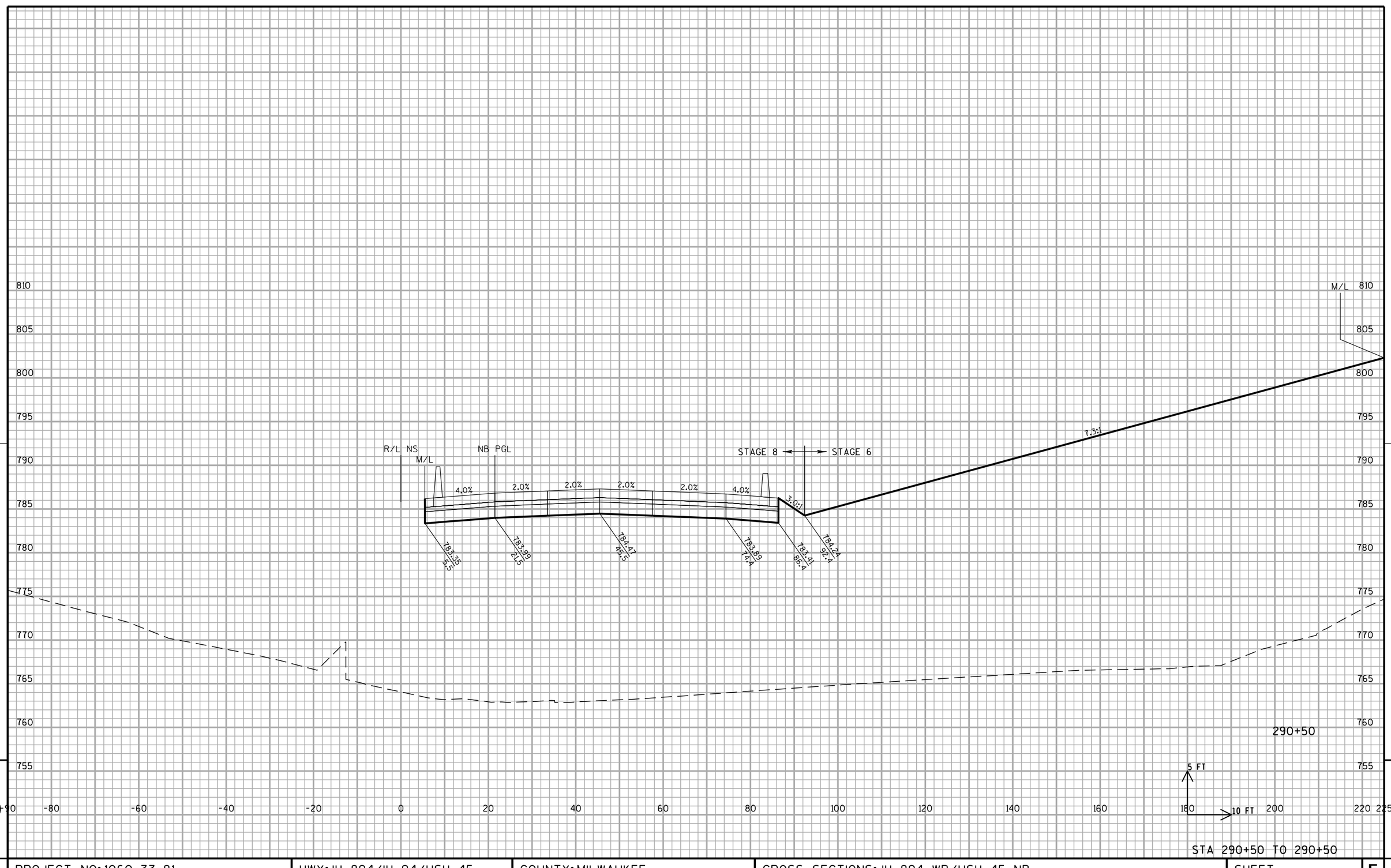
STA 289+00 TO 289+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 290+00 TO 290+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

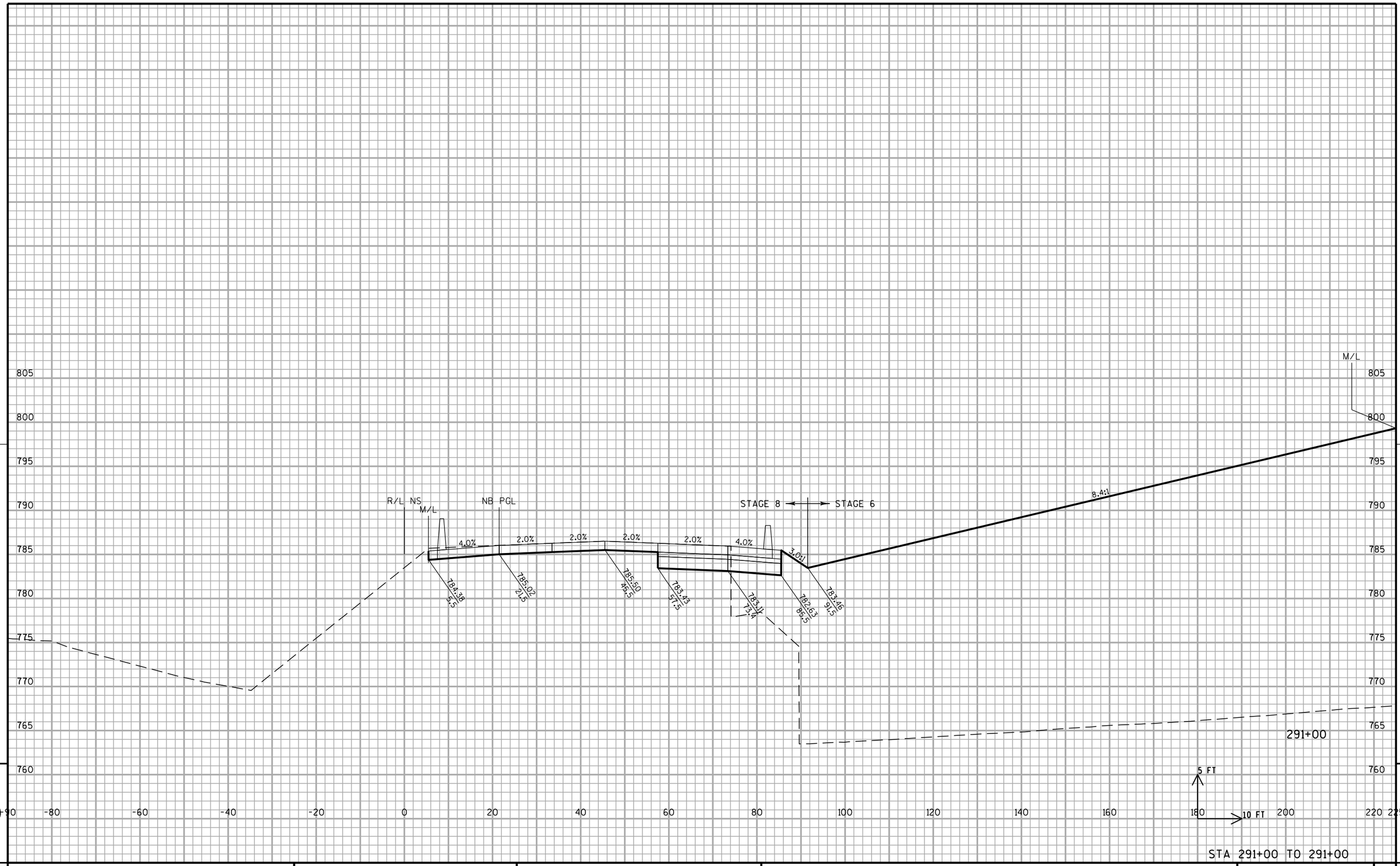


STA 290+50 TO 290+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s9 PLOT SCALE : 20:1

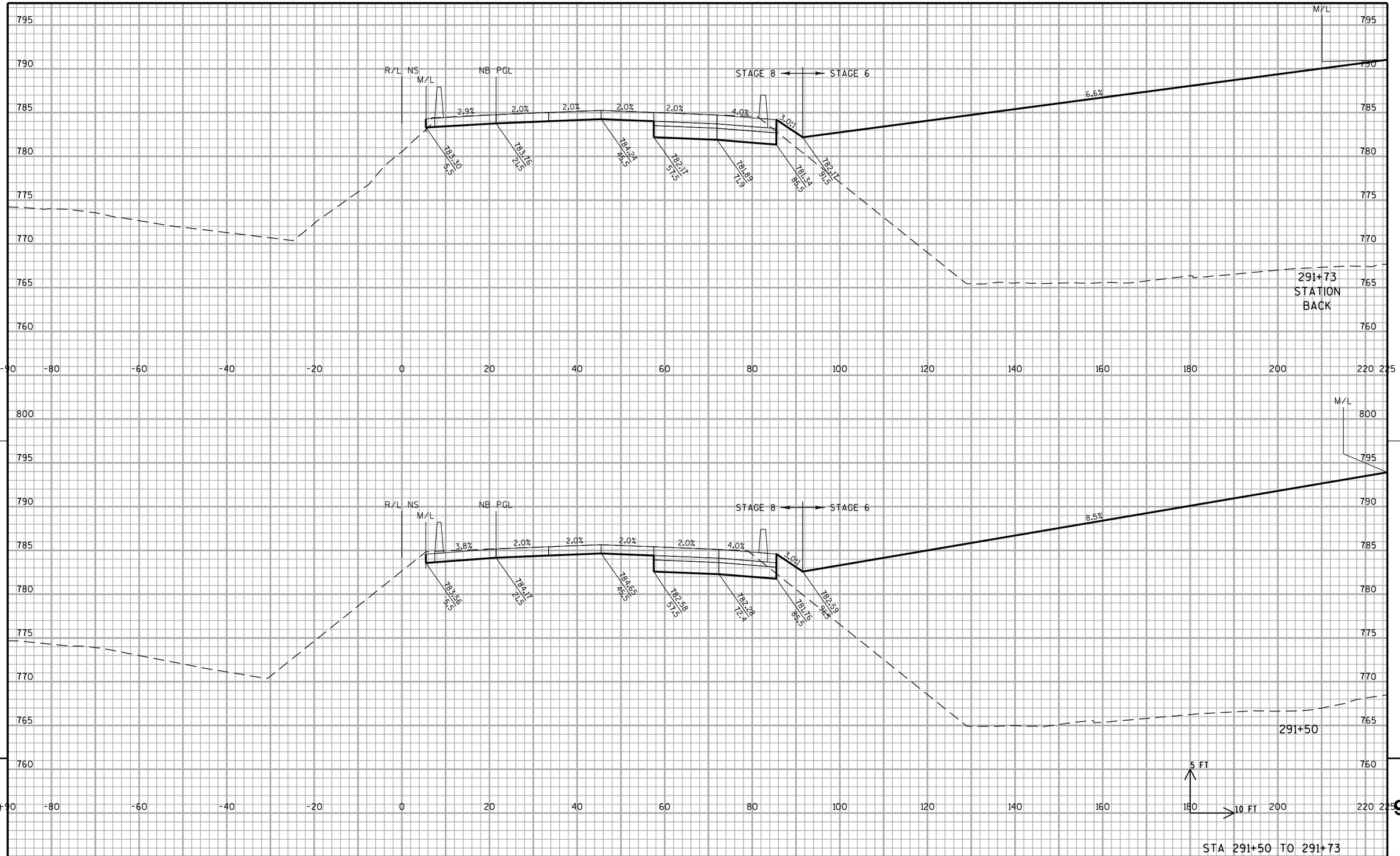
WISDOT/CADDS SHEET 21



STA 291+00 TO 291+00

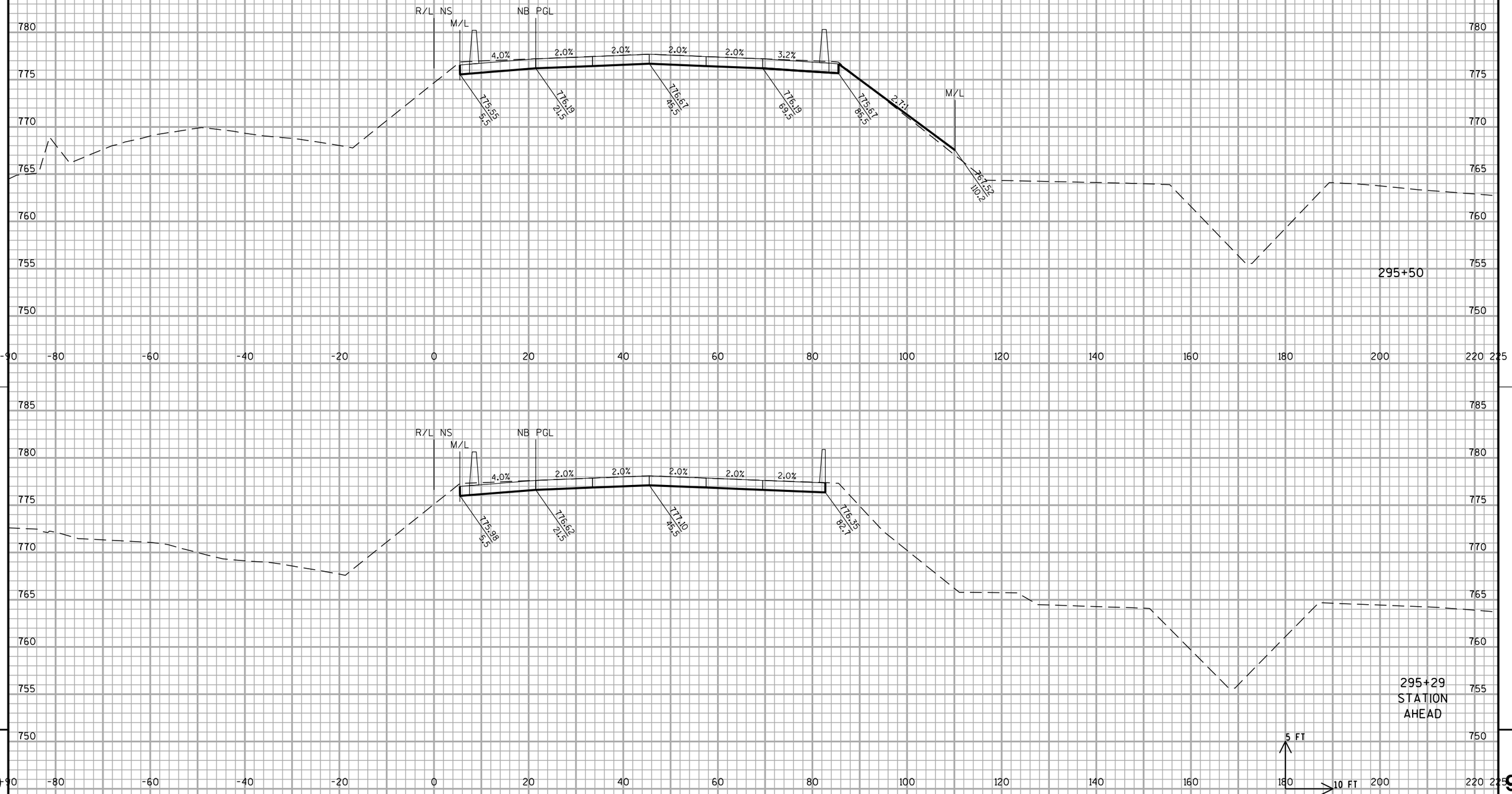
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s9 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

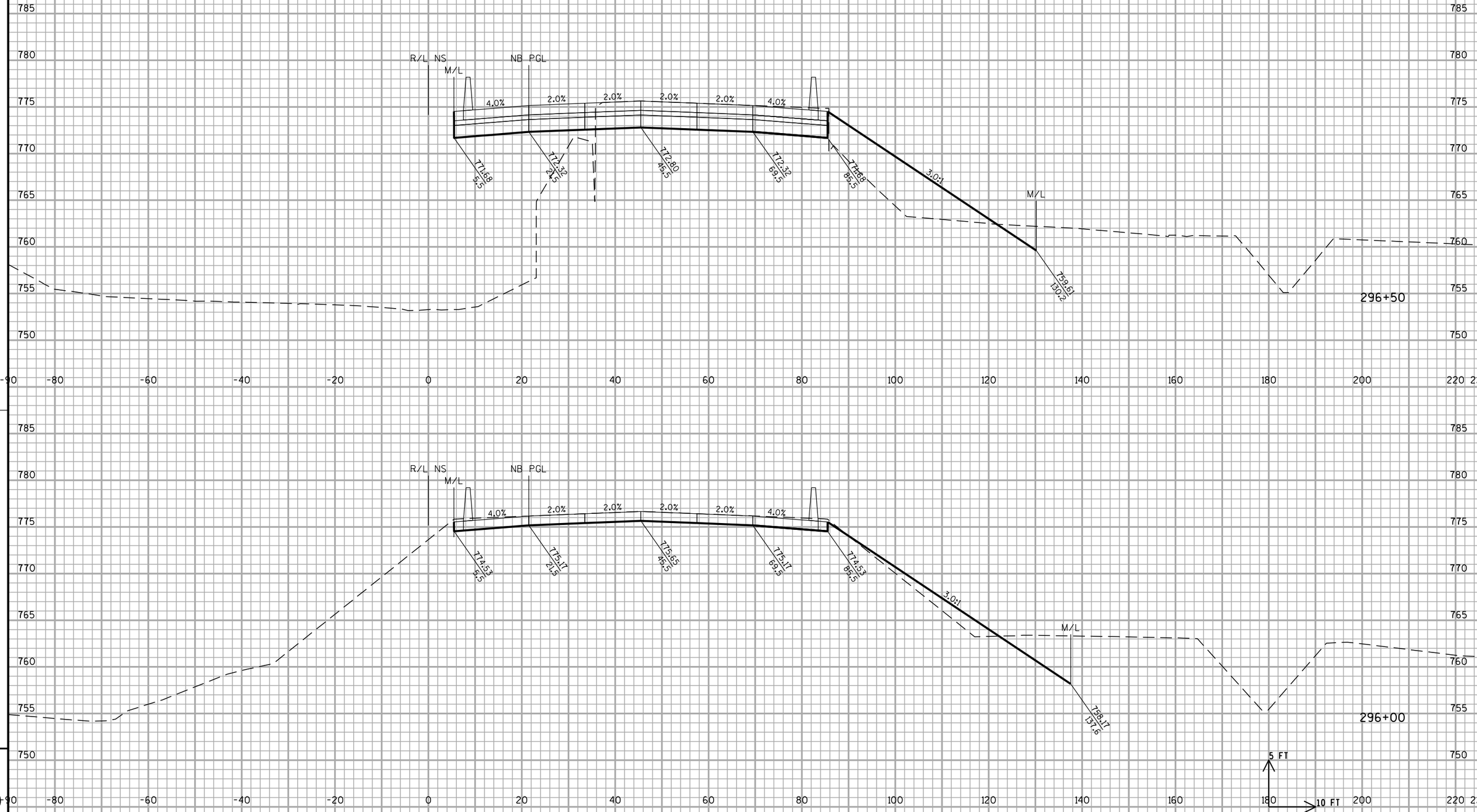
ALL WORK STAGE 8



STA 295+29 TO 295+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

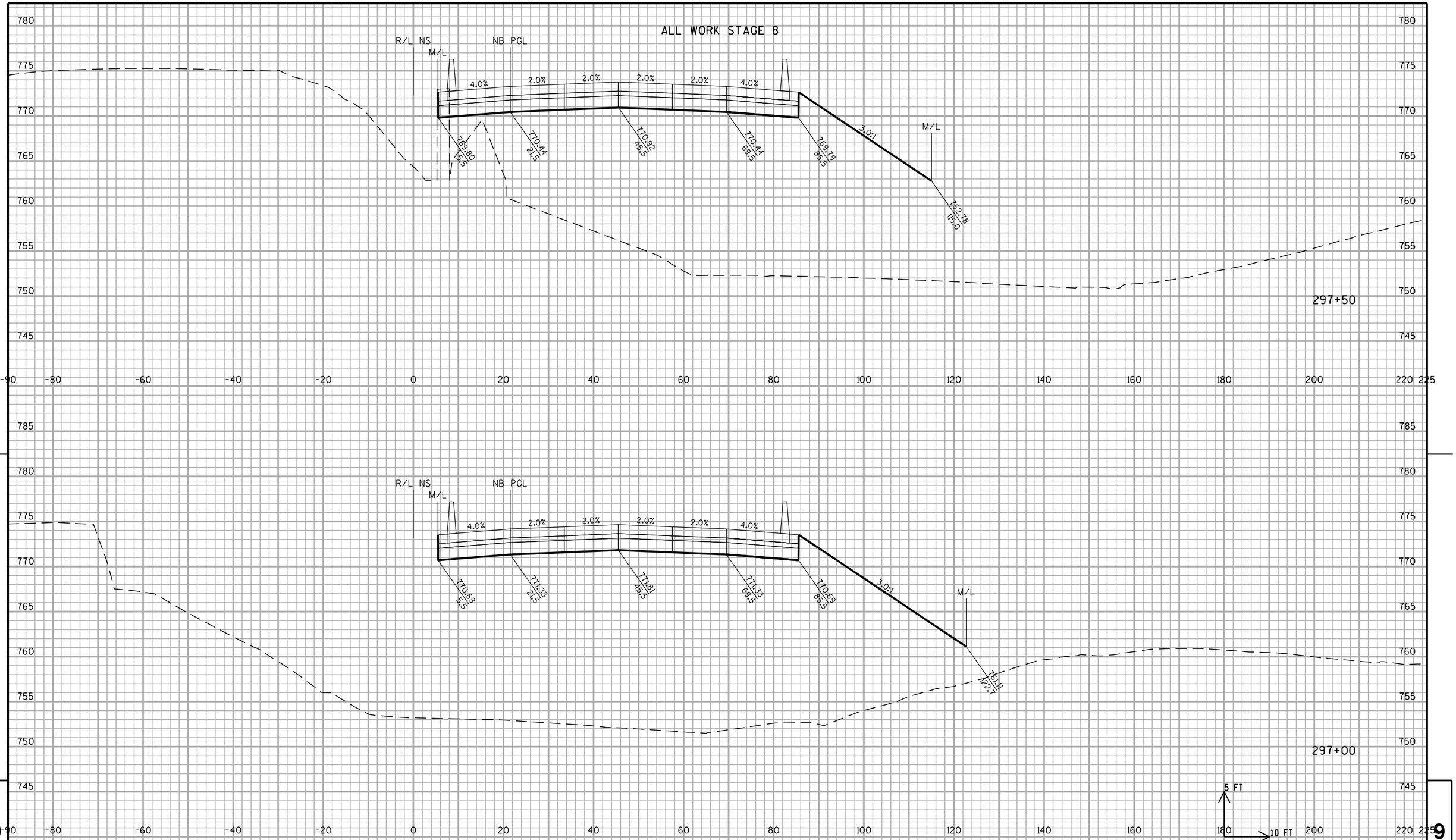
ALL WORK STAGE 8



STA 296+00 TO 296+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

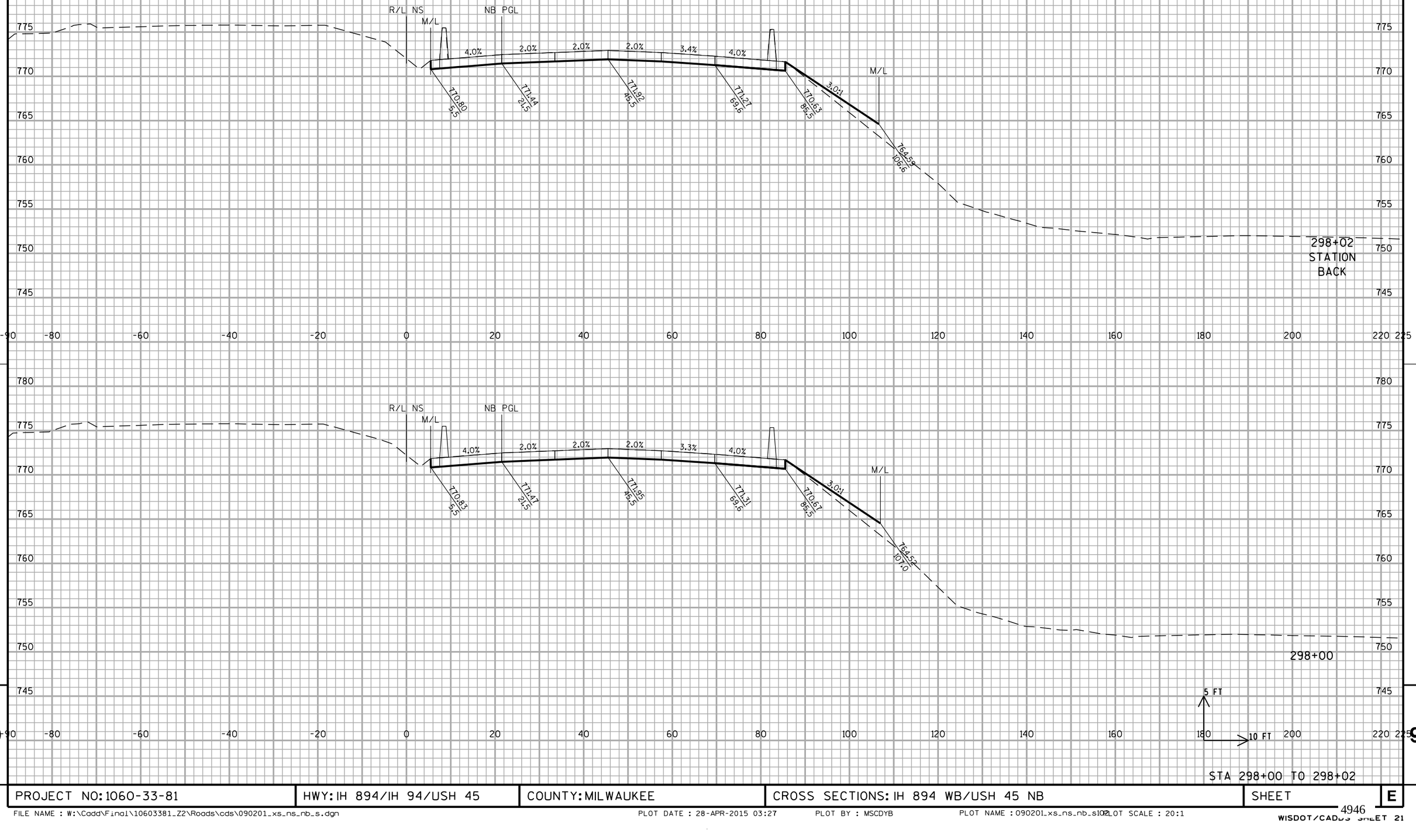
ALL WORK STAGE 8



STA 297+00 TO 297+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 8

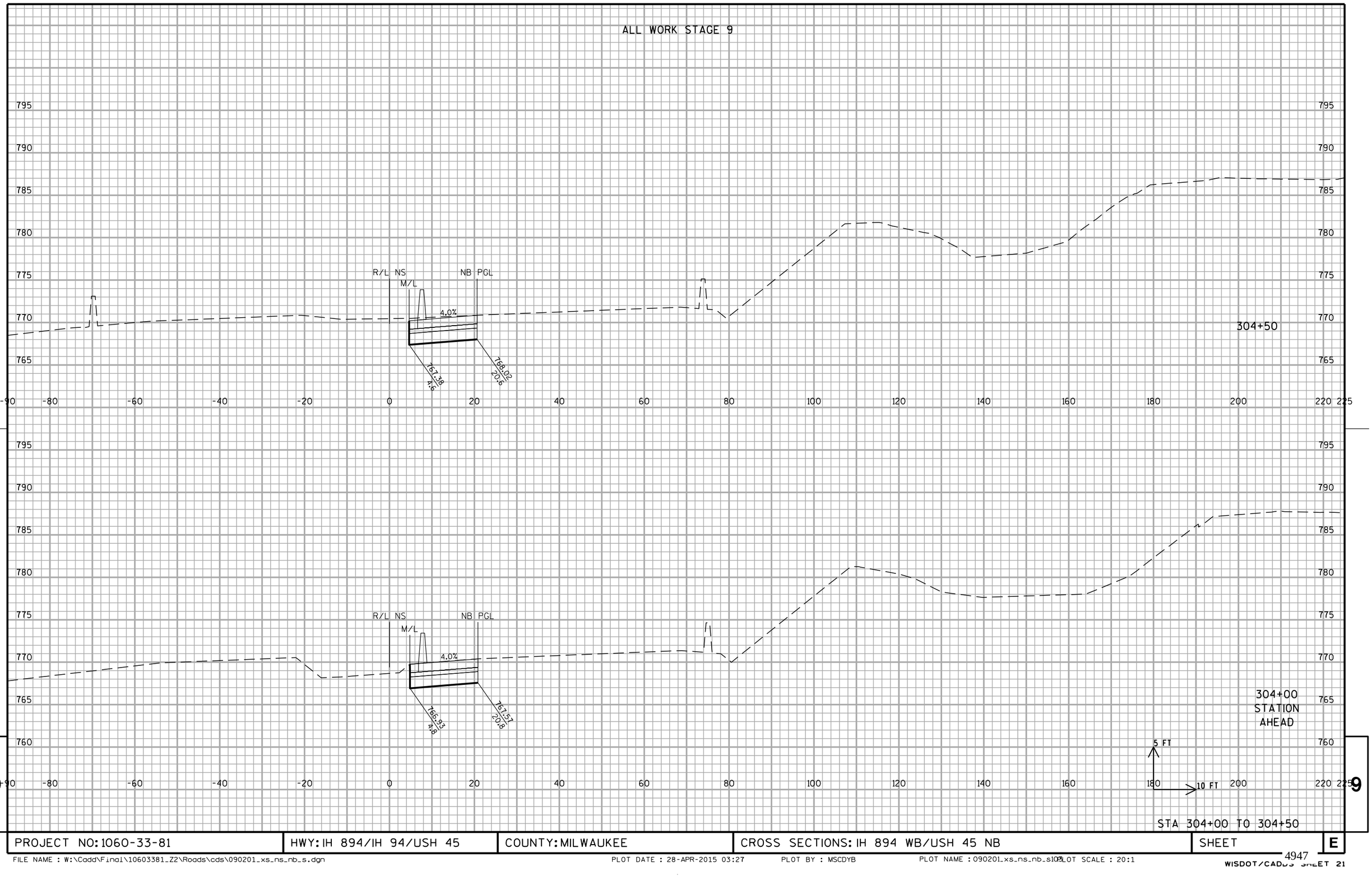


STA 298+00 TO 298+02

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s102 PLOT SCALE : 20:1

ALL WORK STAGE 9



9

9

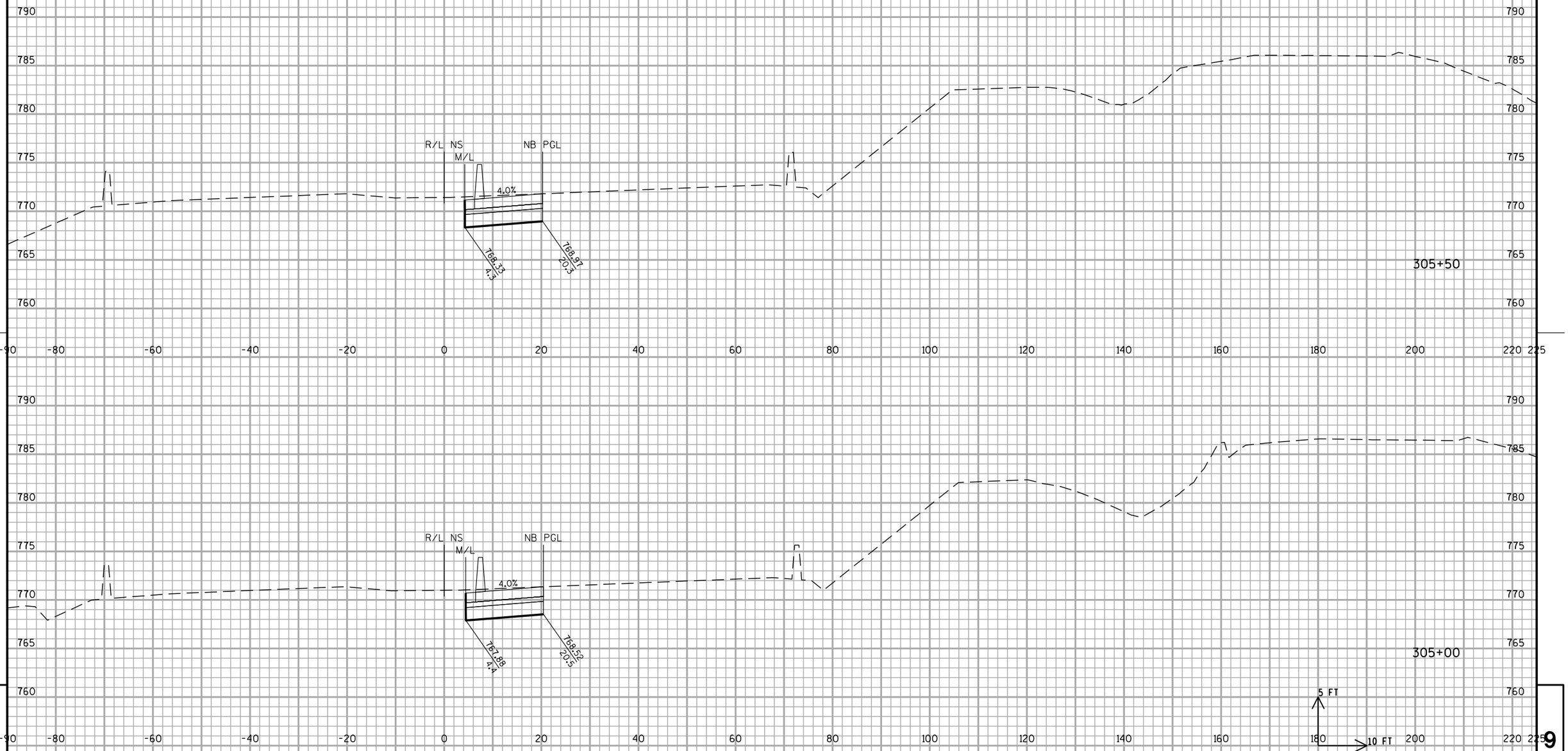
STA 304+00 TO 304+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s103 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

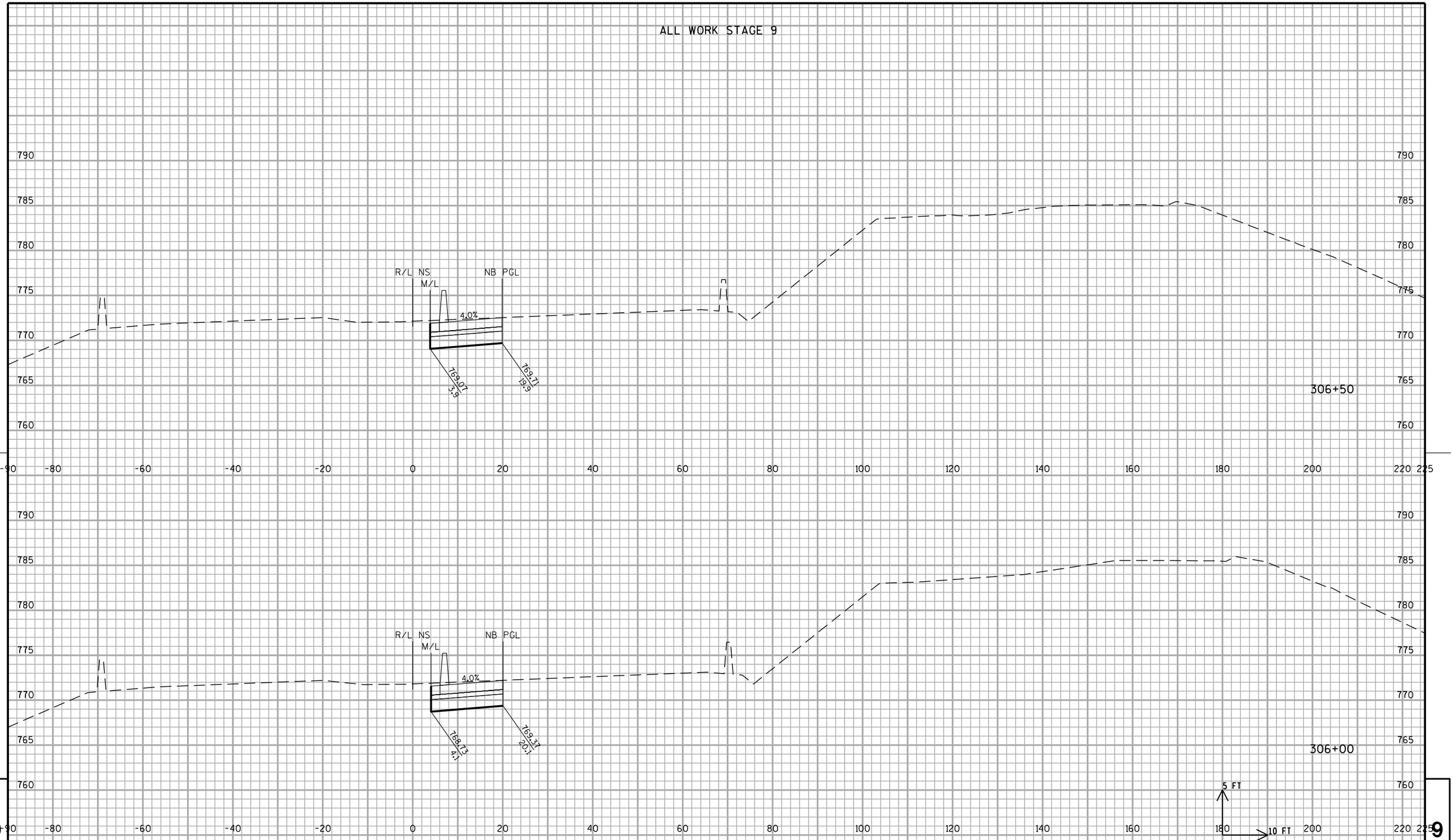
ALL WORK STAGE 9



STA 305+00 TO 305+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 9

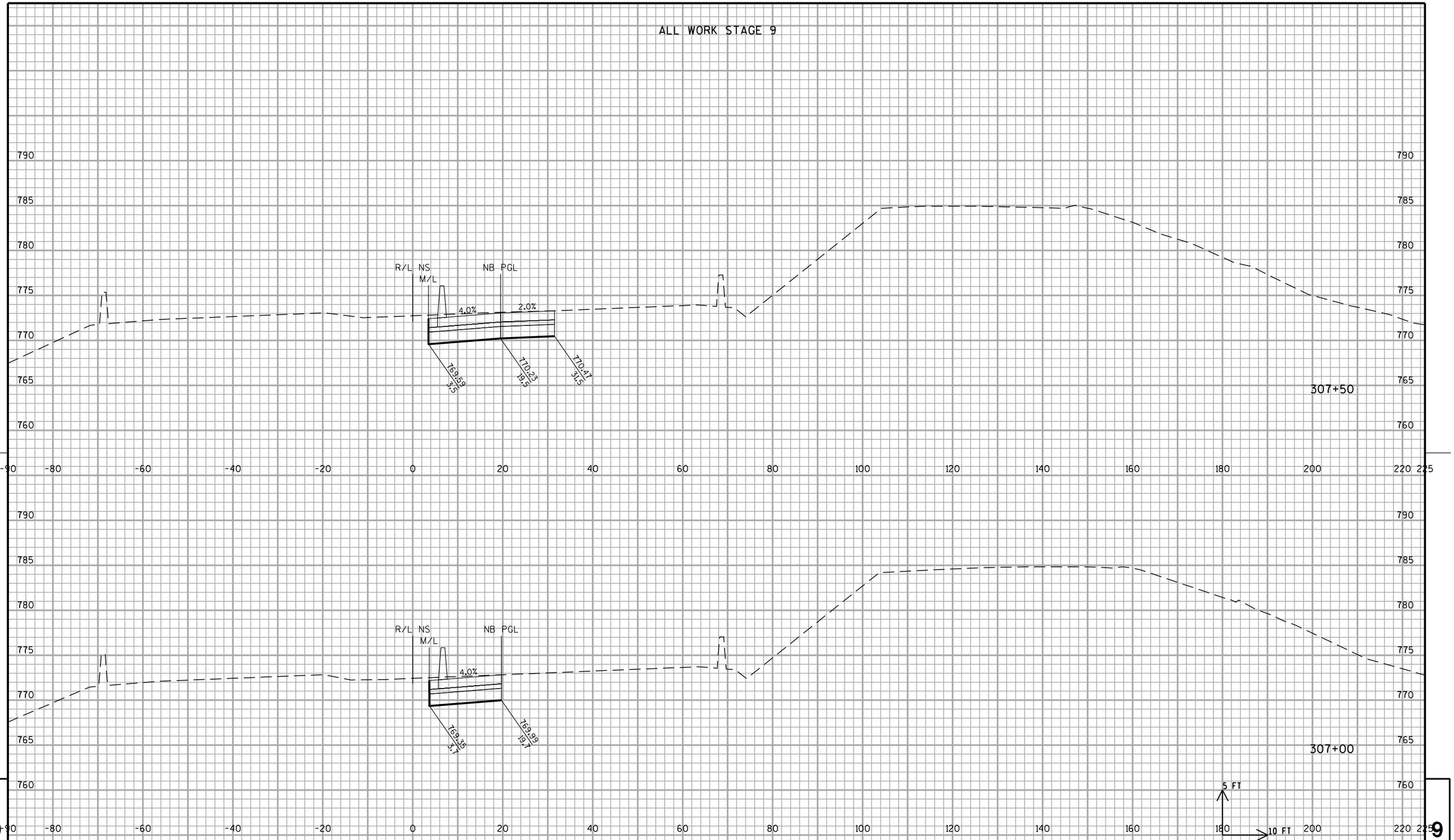


STA 306+00 TO 306+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s105 PLOT SCALE : 20:1

ALL WORK STAGE 9



9

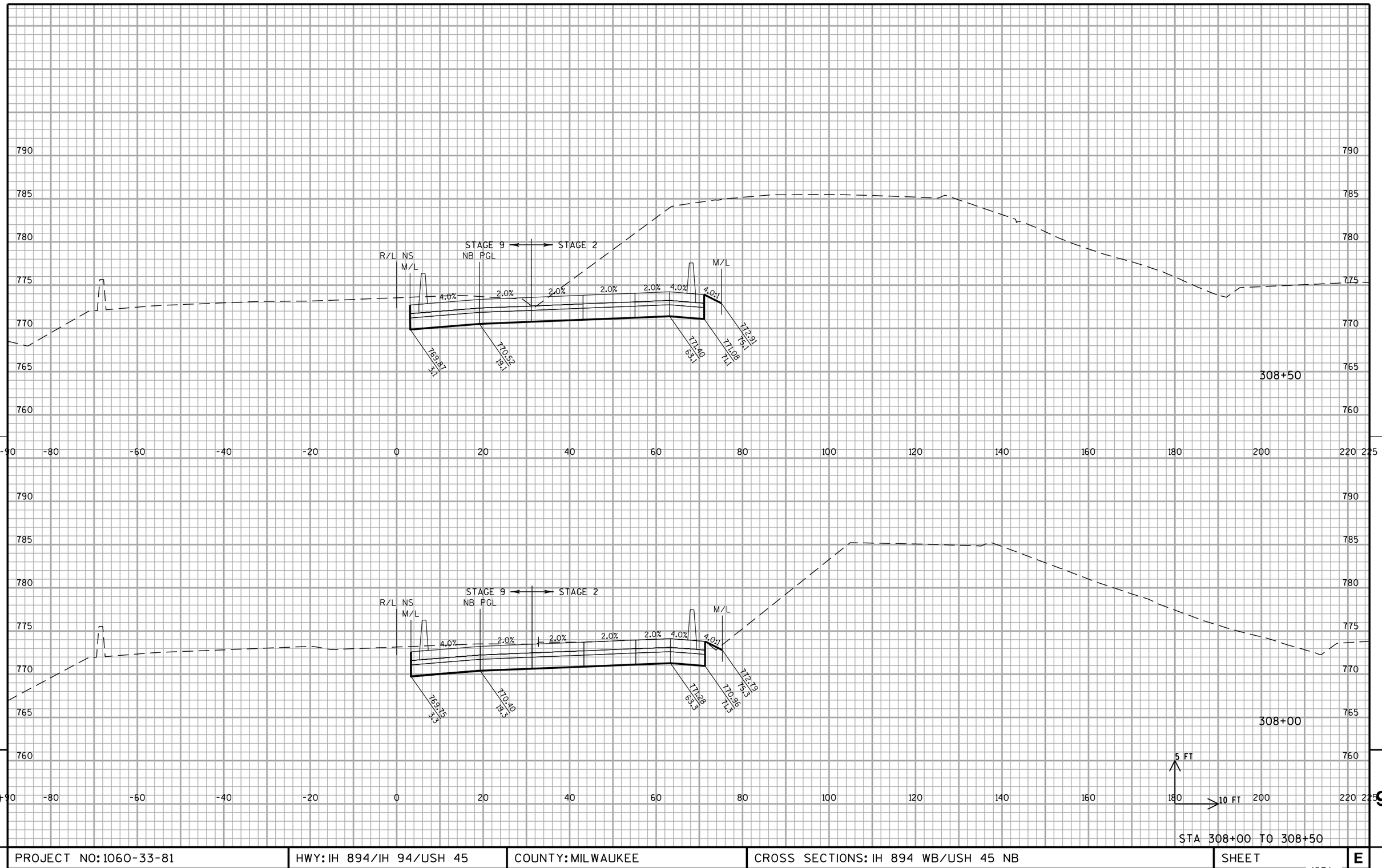
9

STA 307+00 TO 307+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s10 PLOT SCALE : 20:1

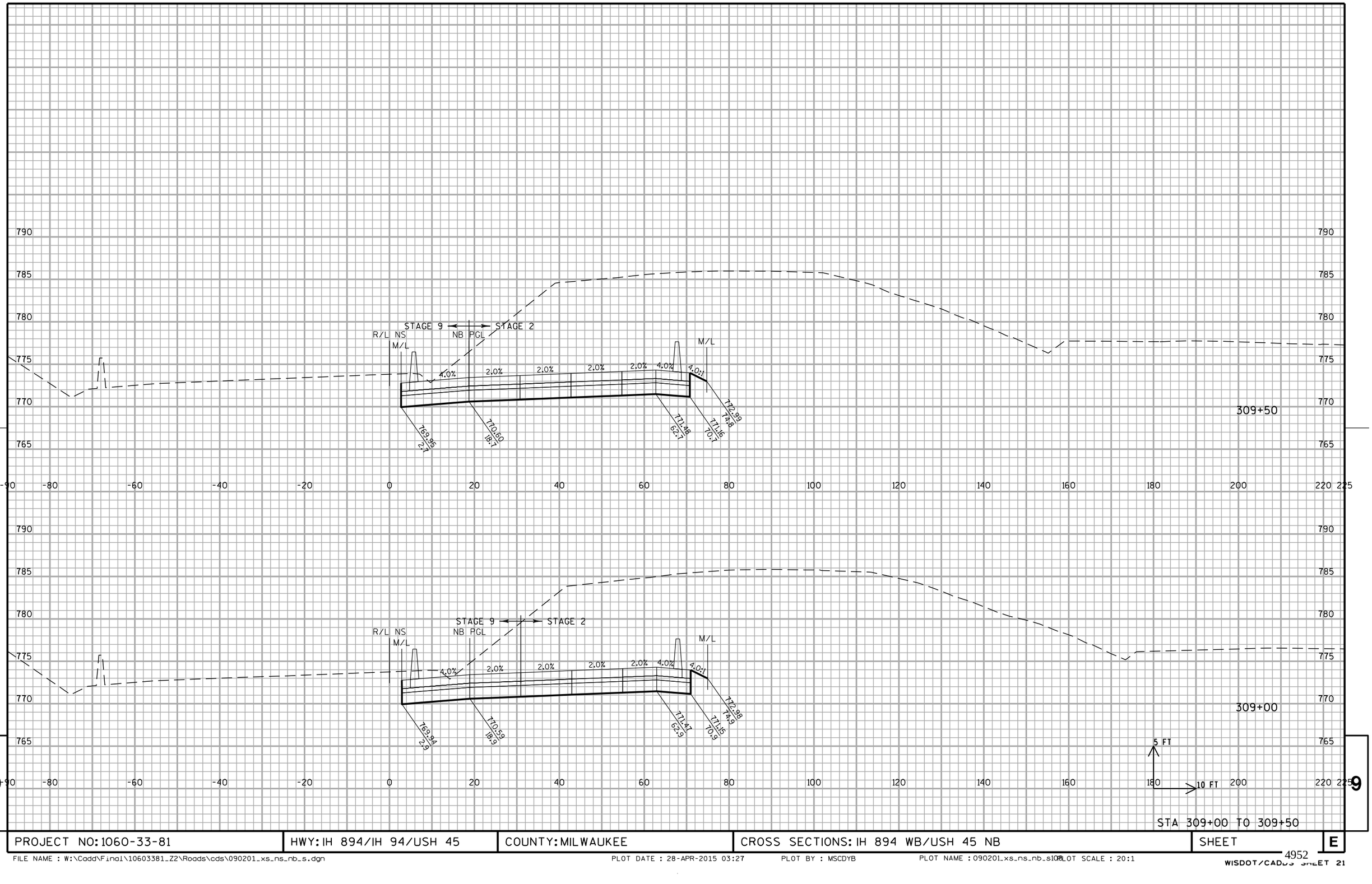
WISDOT/CADDS SHEET 21



9

STA 308+00 TO 308+50

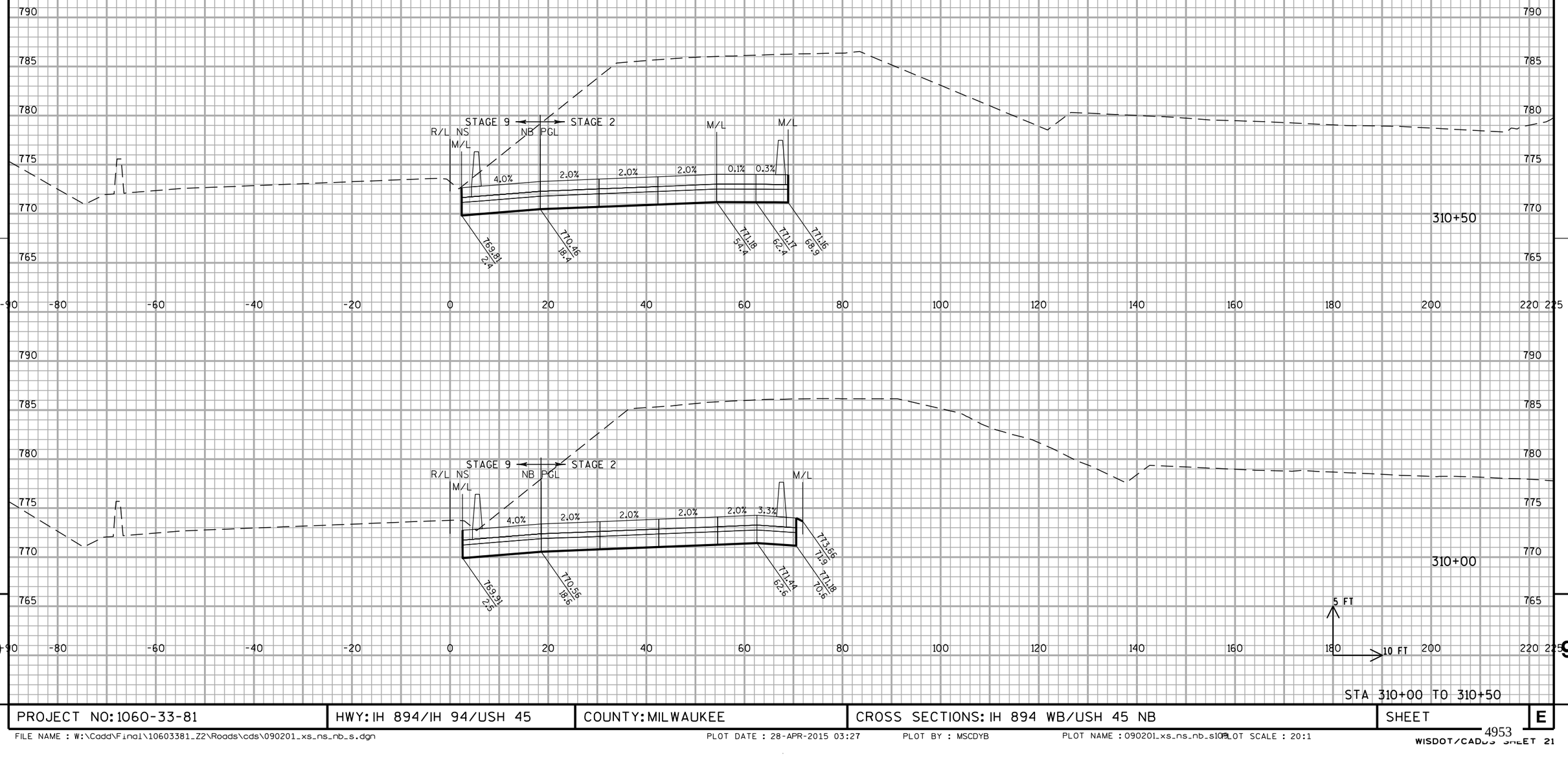
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



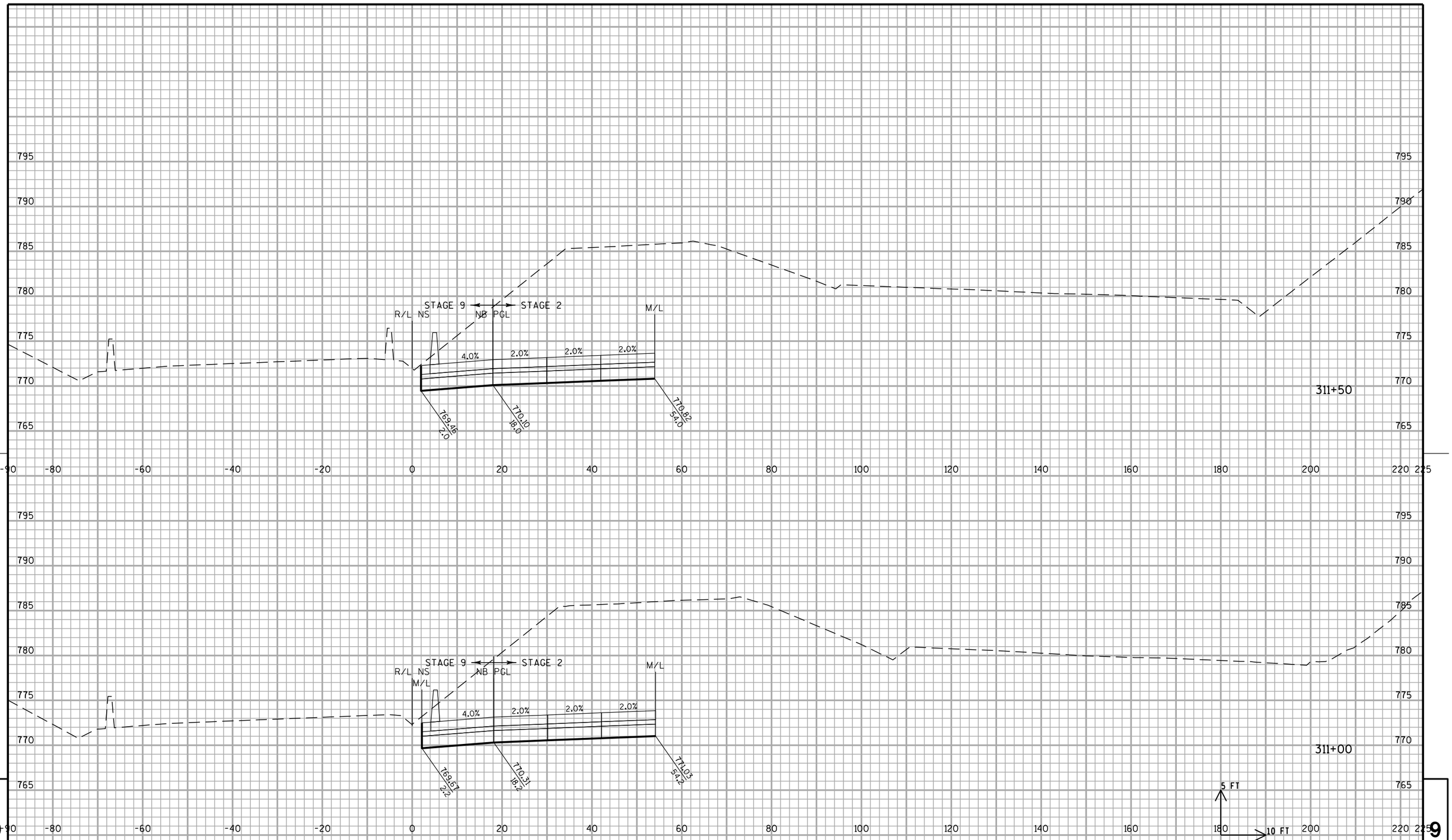
STA 309+00 TO 309+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s108 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

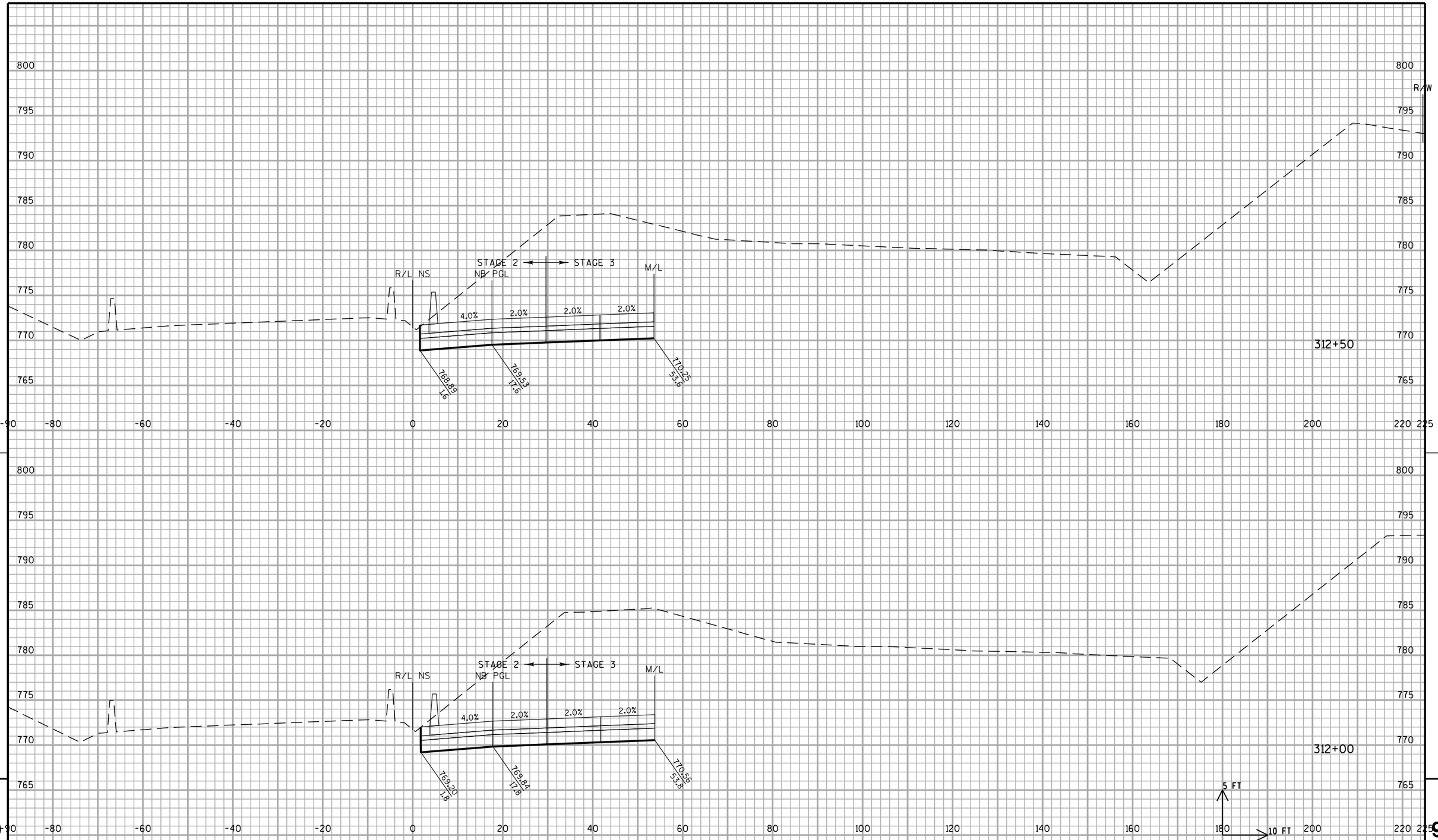


9

STA 311+00 TO 311+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

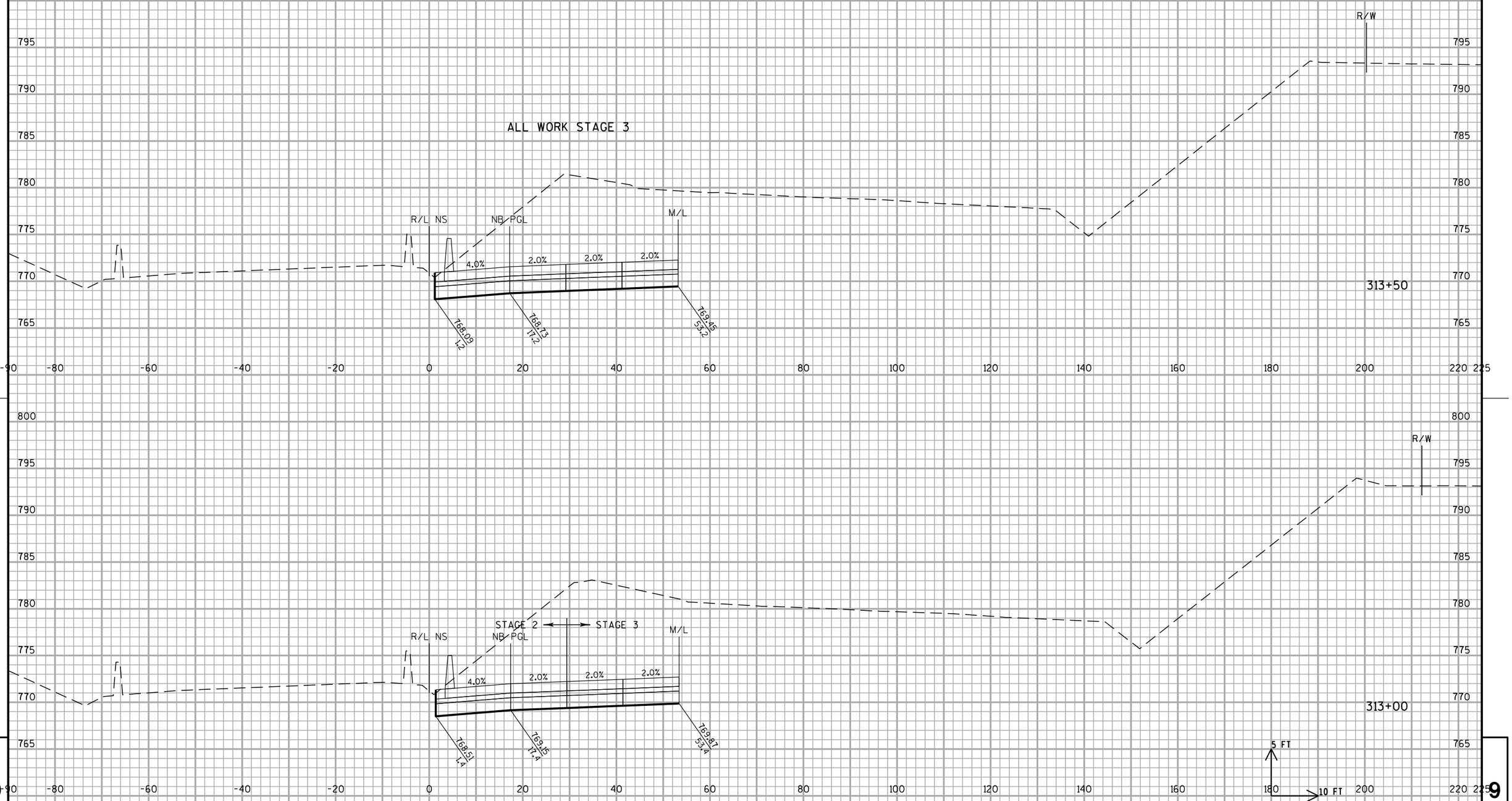
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s11 PLOT SCALE : 20:1



STA 312+00 TO 312+50

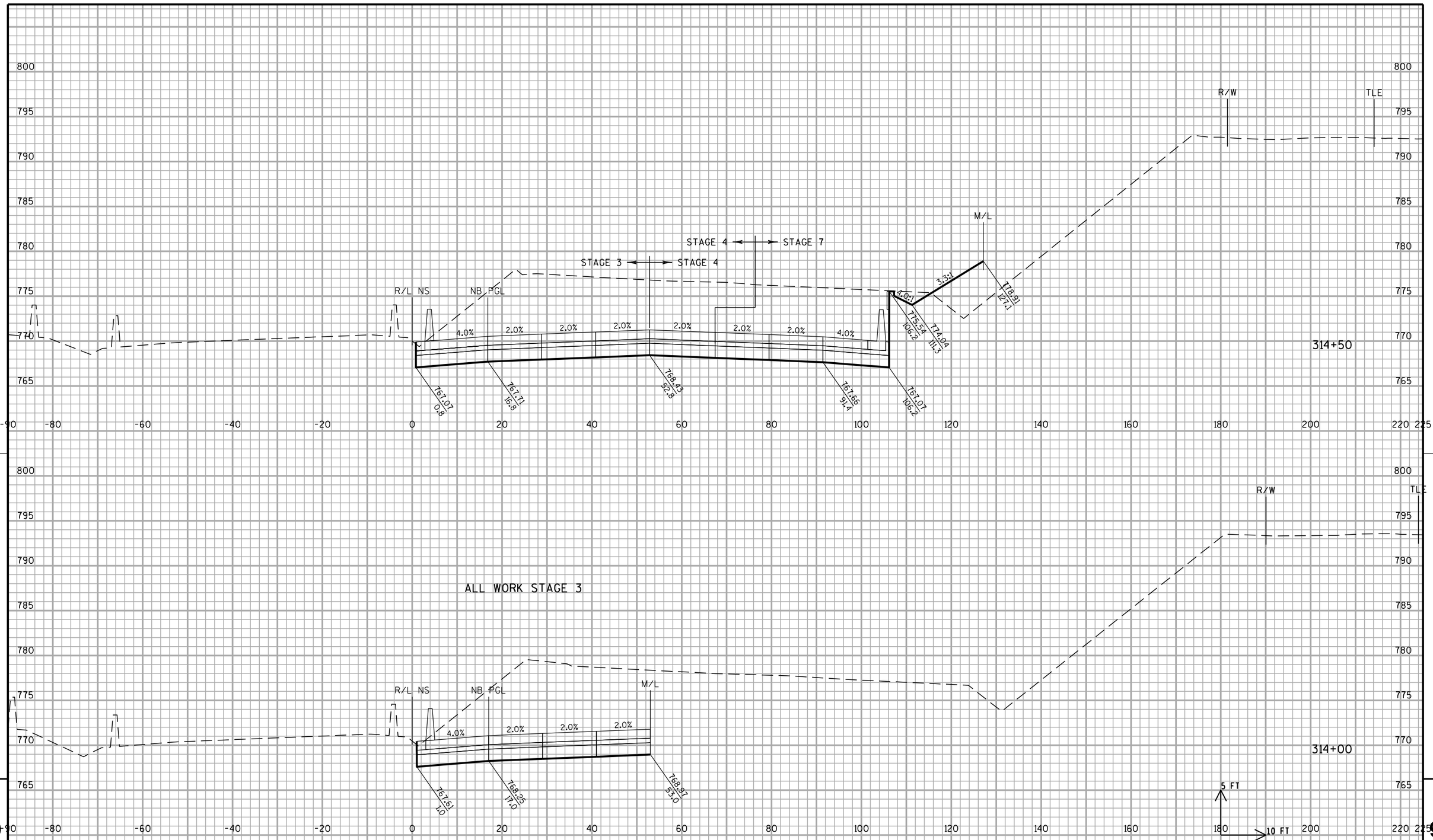
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 3

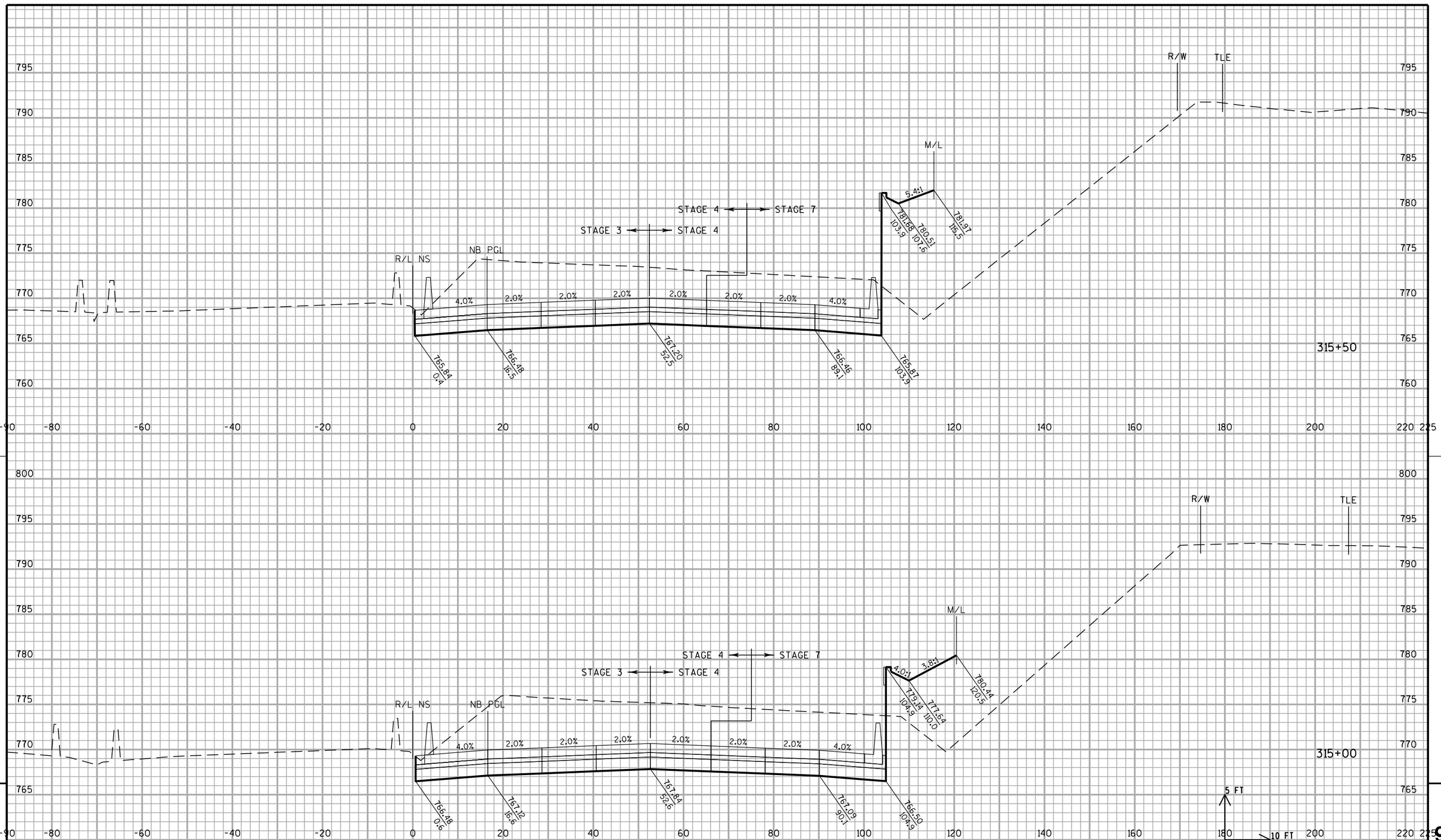


STA 313+00 TO 313+50

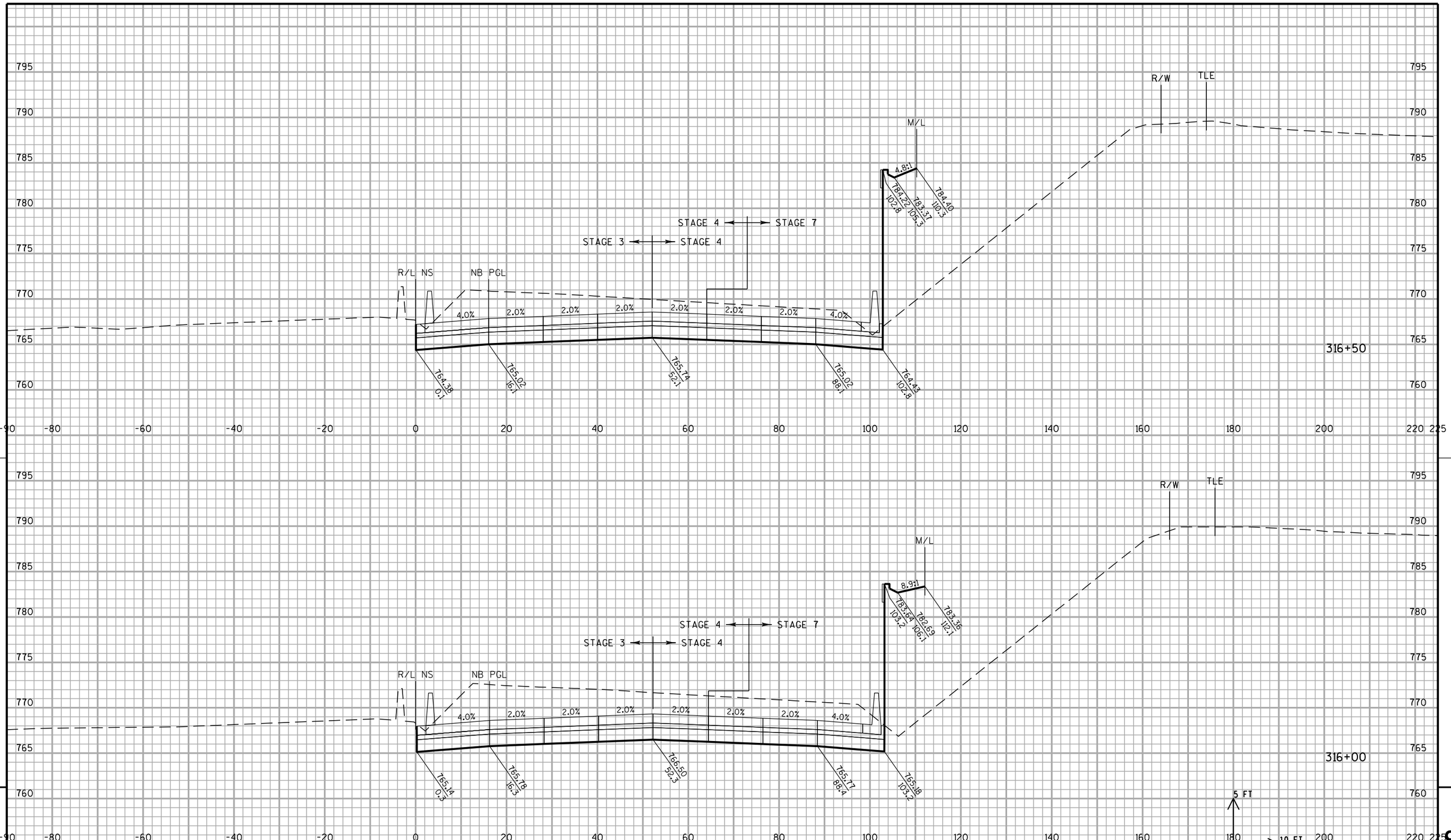
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



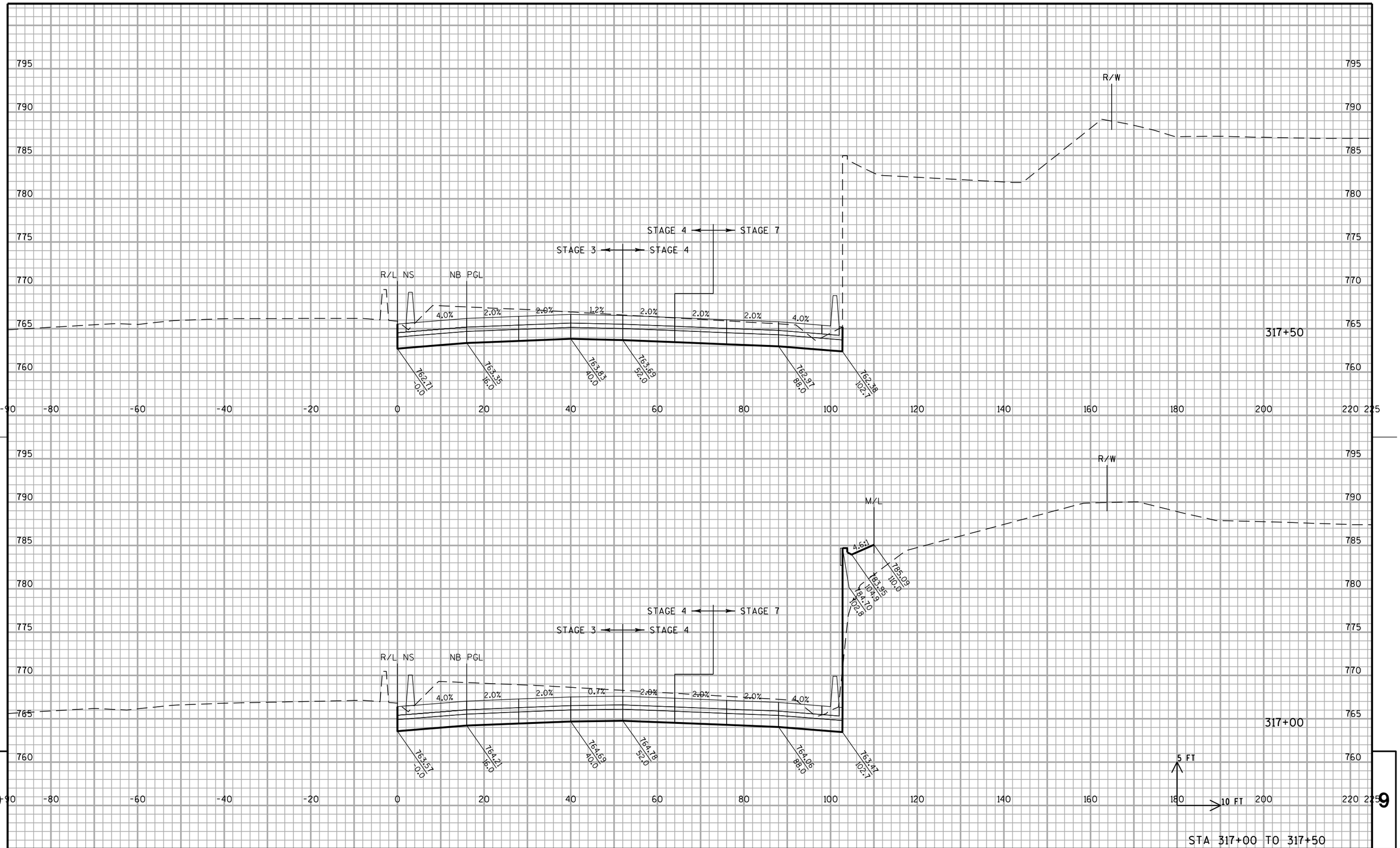
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

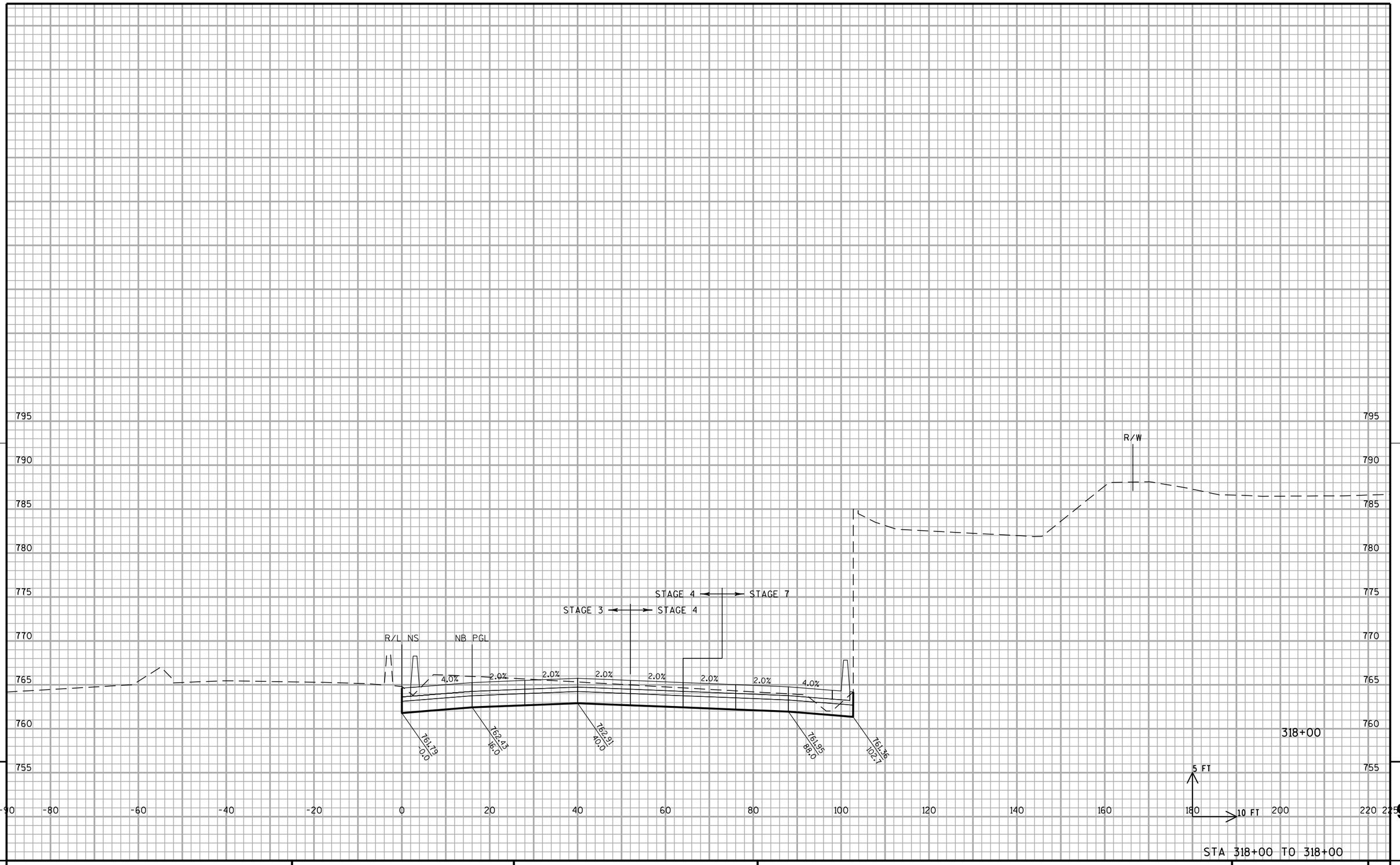


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



STA 317+00 TO 317+50

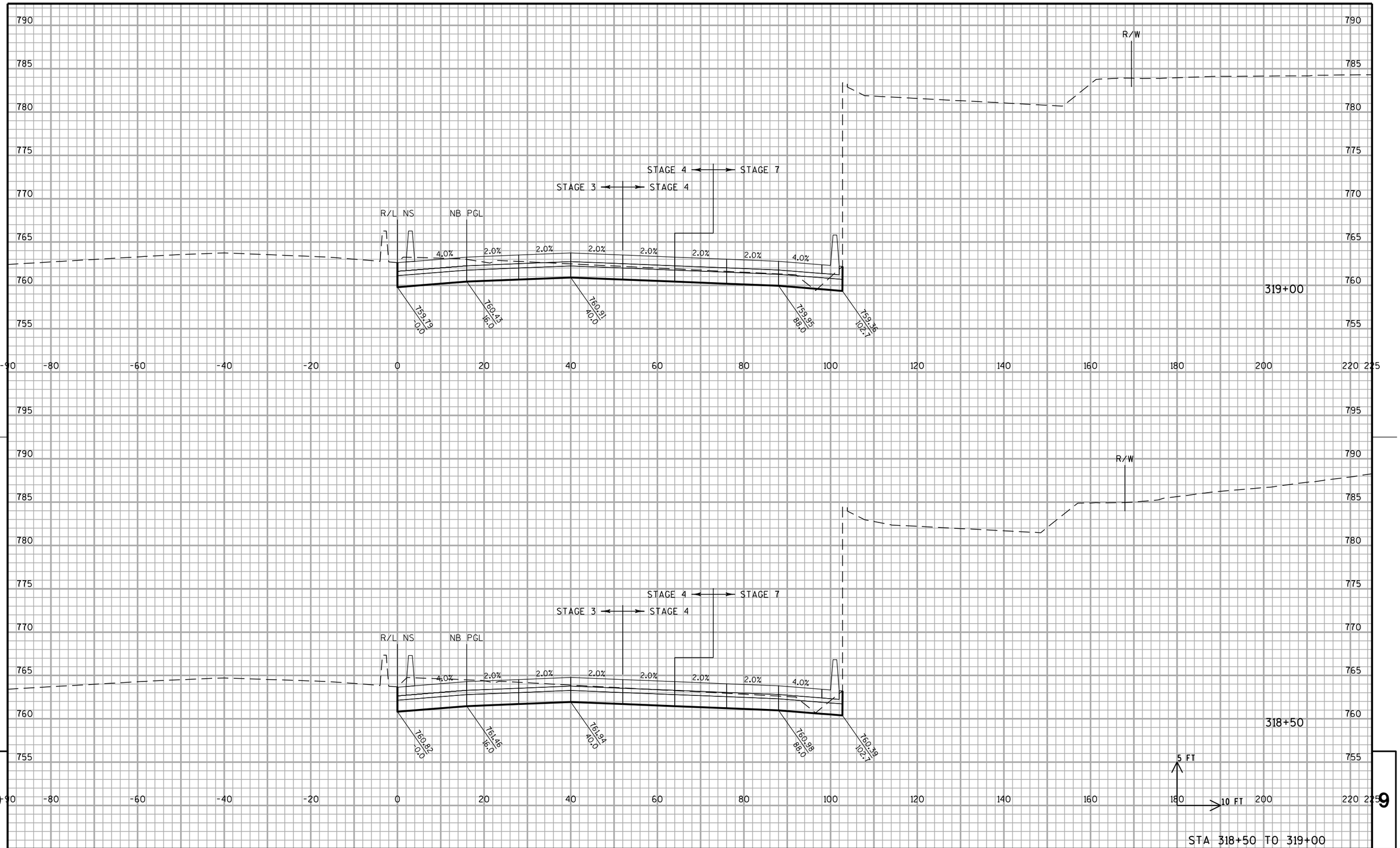
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



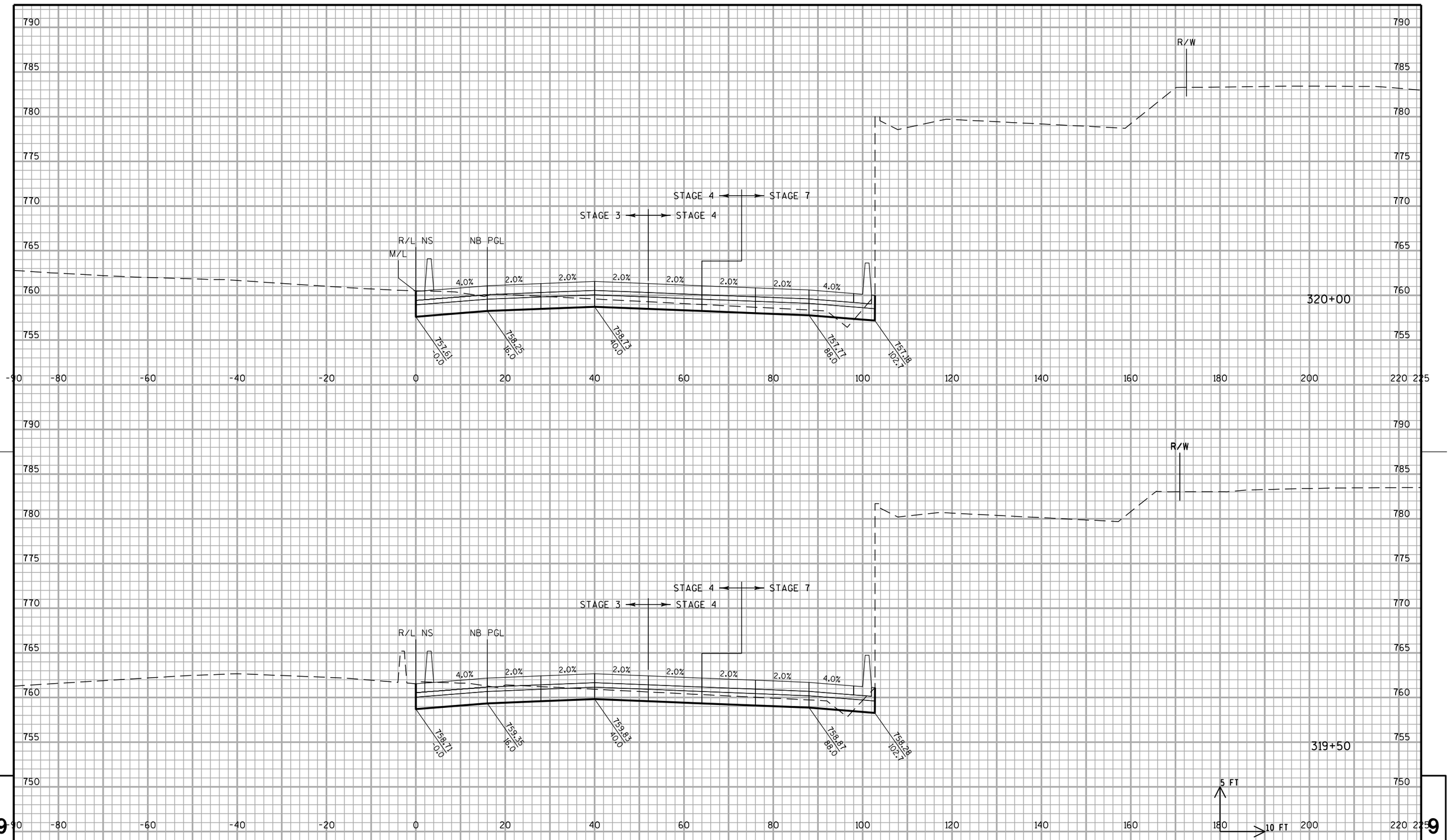
9

STA 318+00 TO 318+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET E

STA 319+50 TO 320+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s11 PLOT SCALE : 20:1

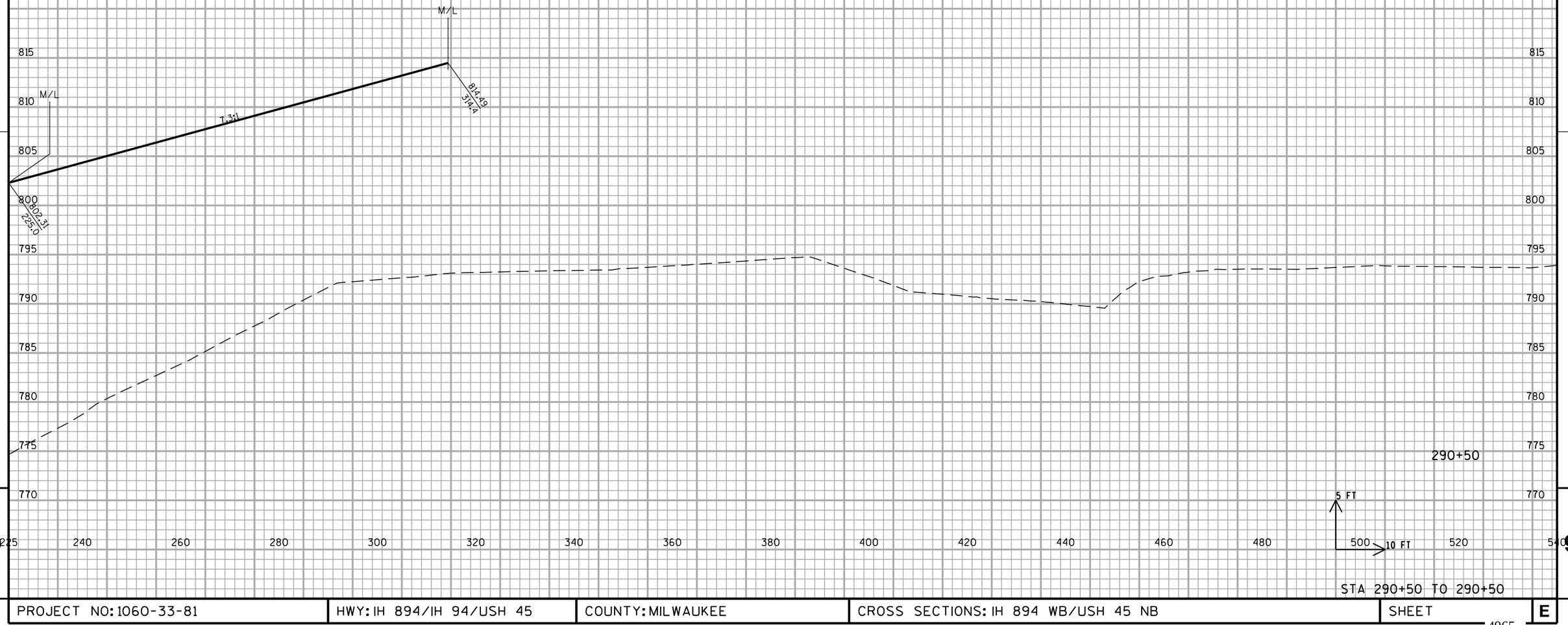
ALL WORK STAGE 6



STA 290+00 TO 290+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 6



STA 290+50 TO 290+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 291+00 TO 291+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

ALL WORK STAGE 6

291+73
STATION
BACK

M/L
14.6:1
795.22
301.3
791.02
225.0

291+50

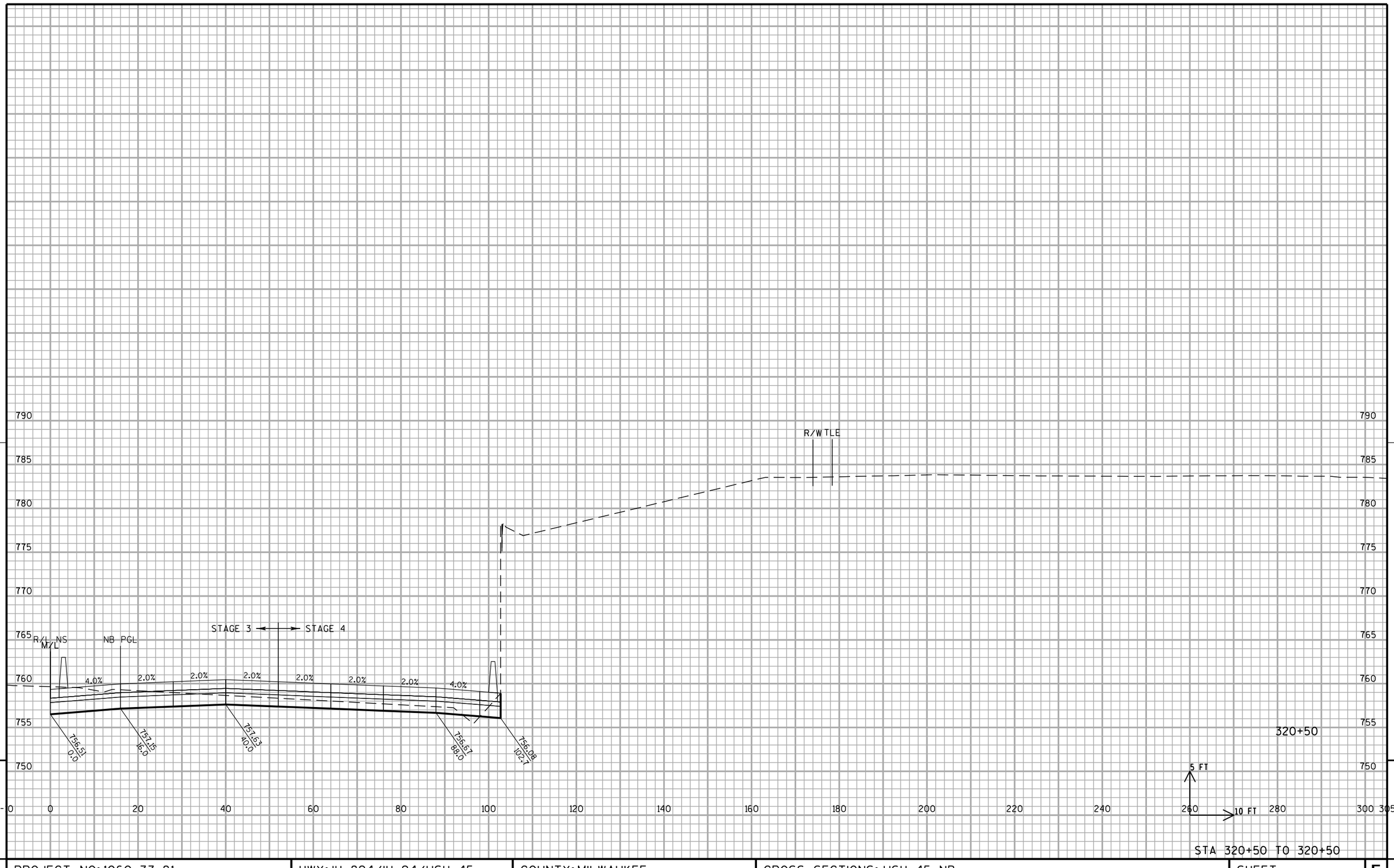
M/L
11.8:1
801.23
311.1
793.92
225.0

5 FT
10 FT

STA 291+50 TO 291+73

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 WB/USH 45 NB	SHEET	E

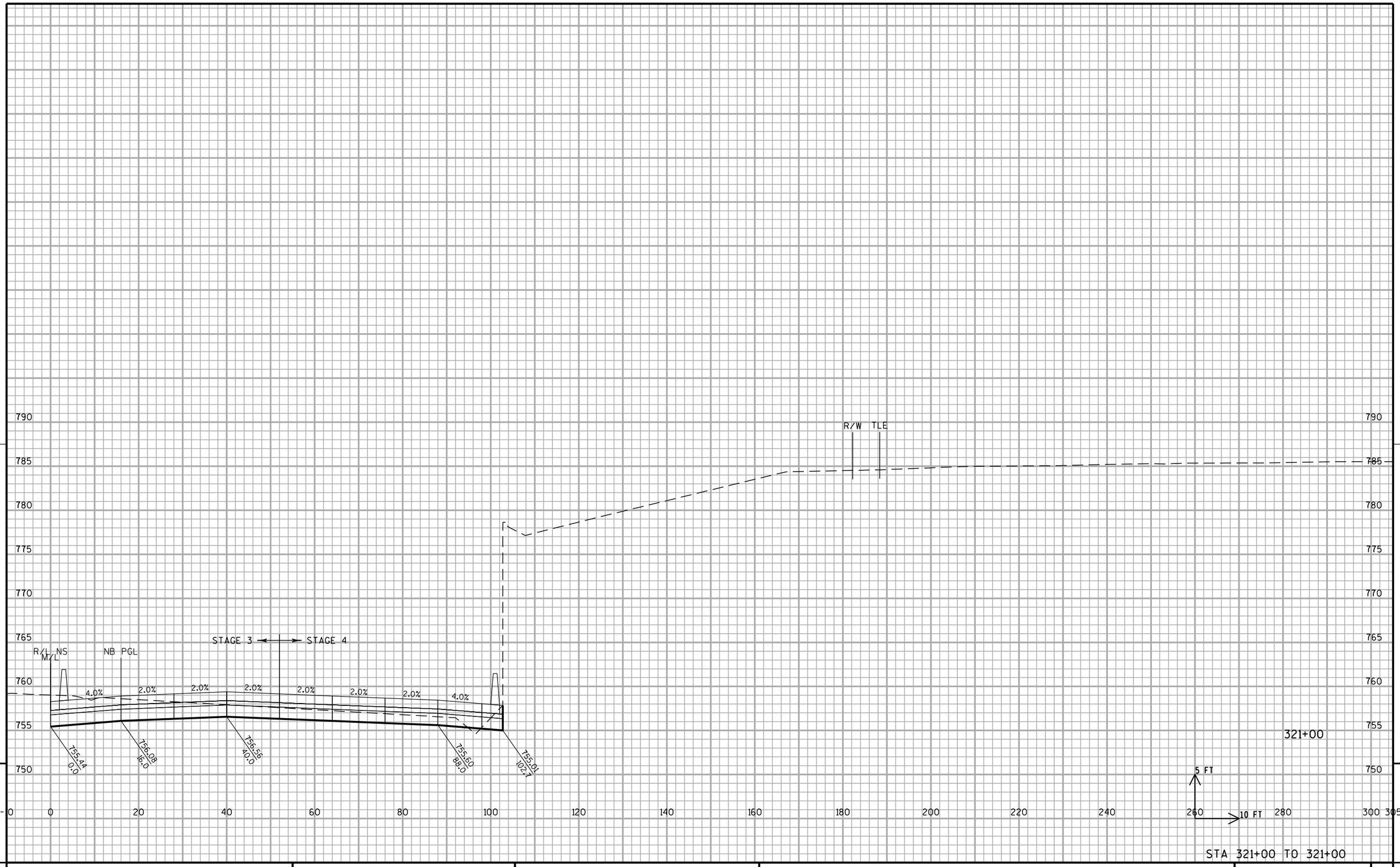
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090201_xs_ns_nb_s1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 320+50 TO 320+50

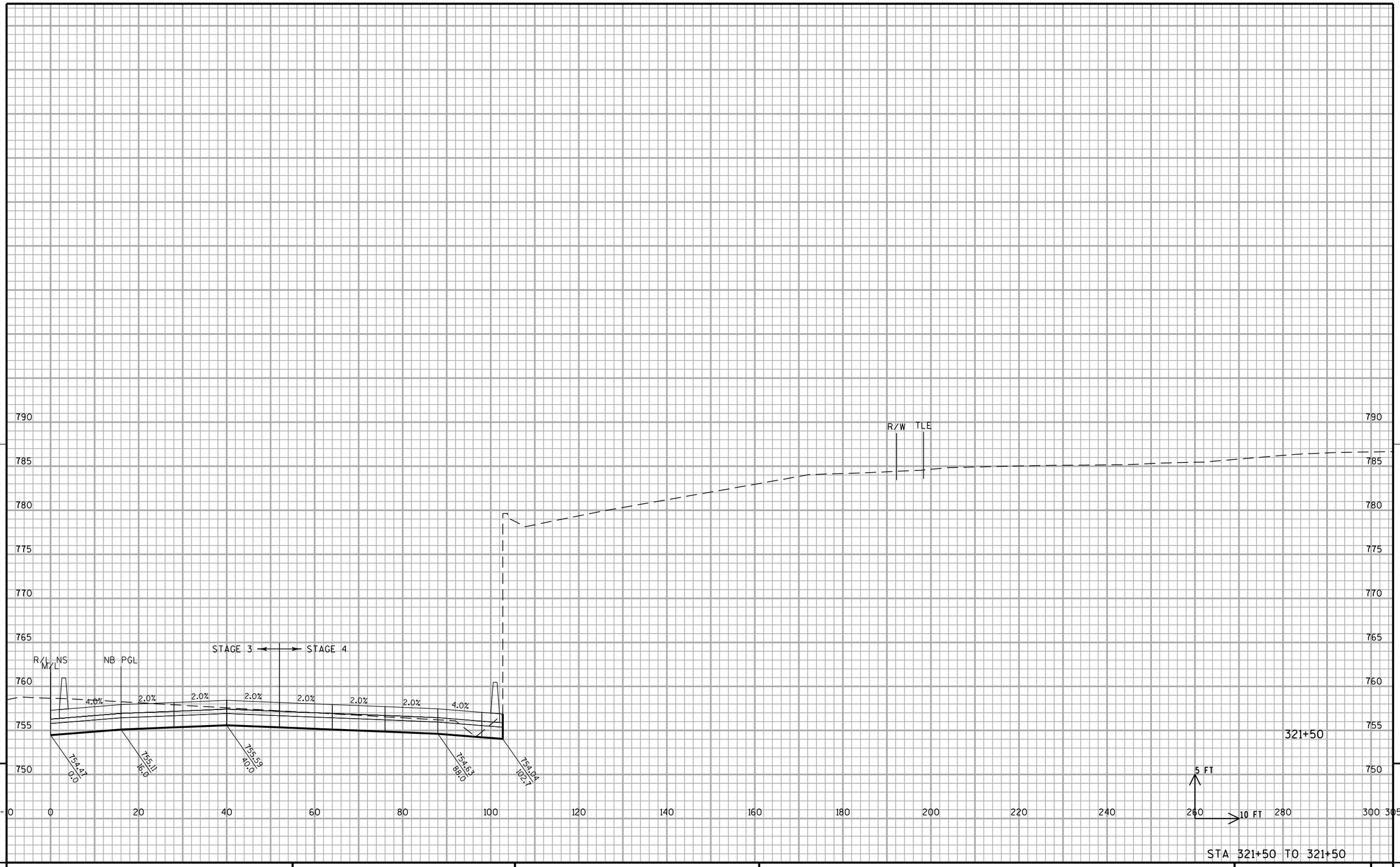
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n PLOT SCALE : 20:1



STA 321+00 TO 321+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 321+50 TO 321+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

790 790

R/W TLE

790 785 780 775 770 765 760 755 750

STAGE 3 ← → STAGE 4

R/W NS M/L NB PGL

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

753.59 0.0 | 754.22 16.0 | 754.71 40.0 | 753.75 88.0 | 753.16 102.7

322+00

5 FT 10 FT

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

9 9

STA 322+00 TO 322+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n3PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

790 790

R/W TLE

790 785 780 775 770 765 760 755 750

R/L NS NB PGL STAGE 3 STAGE 4

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

752.81 0.0 753.45 16.0 753.93 40.0 752.97 86.0 752.28 102.7

322+50

5 FT 10 FT

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

STA 322+50 TO 322+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n4PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750

STAGE 3 ← → STAGE 4

R/L NS NB PGL

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

752.13 0.0
752.77 16.0
753.25 40.0
752.29 88.0
751.70 102.7

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

323+00

5 FT
10 FT

STA 323+00 TO 323+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n5PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

790
785
780
775
770
765
760
755
750
745

STAGE 3 → STAGE 4

R/L NS
NB PGL

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

751.54 0.0
752.18 16.0
752.66 40.0
751.70 86.0
751.11 102.7

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

323+50

5 FT
10 FT

STA 323+50 TO 323+50

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n6PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750
745

R/L NS
NB PGL
STAGE 3
STAGE 4

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

750.98
0.0
751.62
16.0
752.10
40.0
751.14
88.0
750.55
102.7

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

324+00

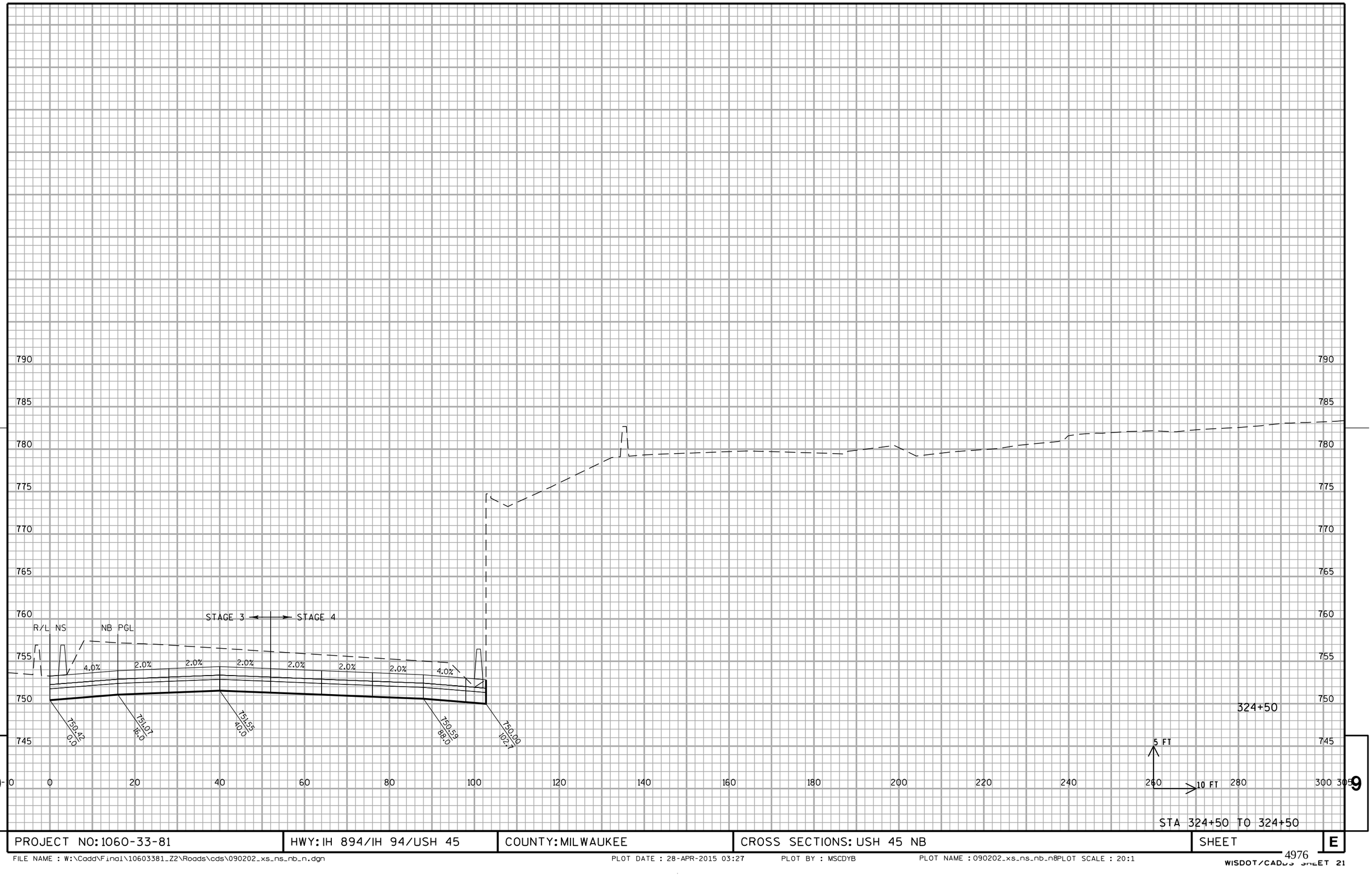
5 FT
10 FT

STA 324+00 TO 324+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn
PLOT DATE : 28-APR-2015 03:27
PLOT BY : MSCDYB
PLOT NAME : 090202_xs_ns_nb_n7PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

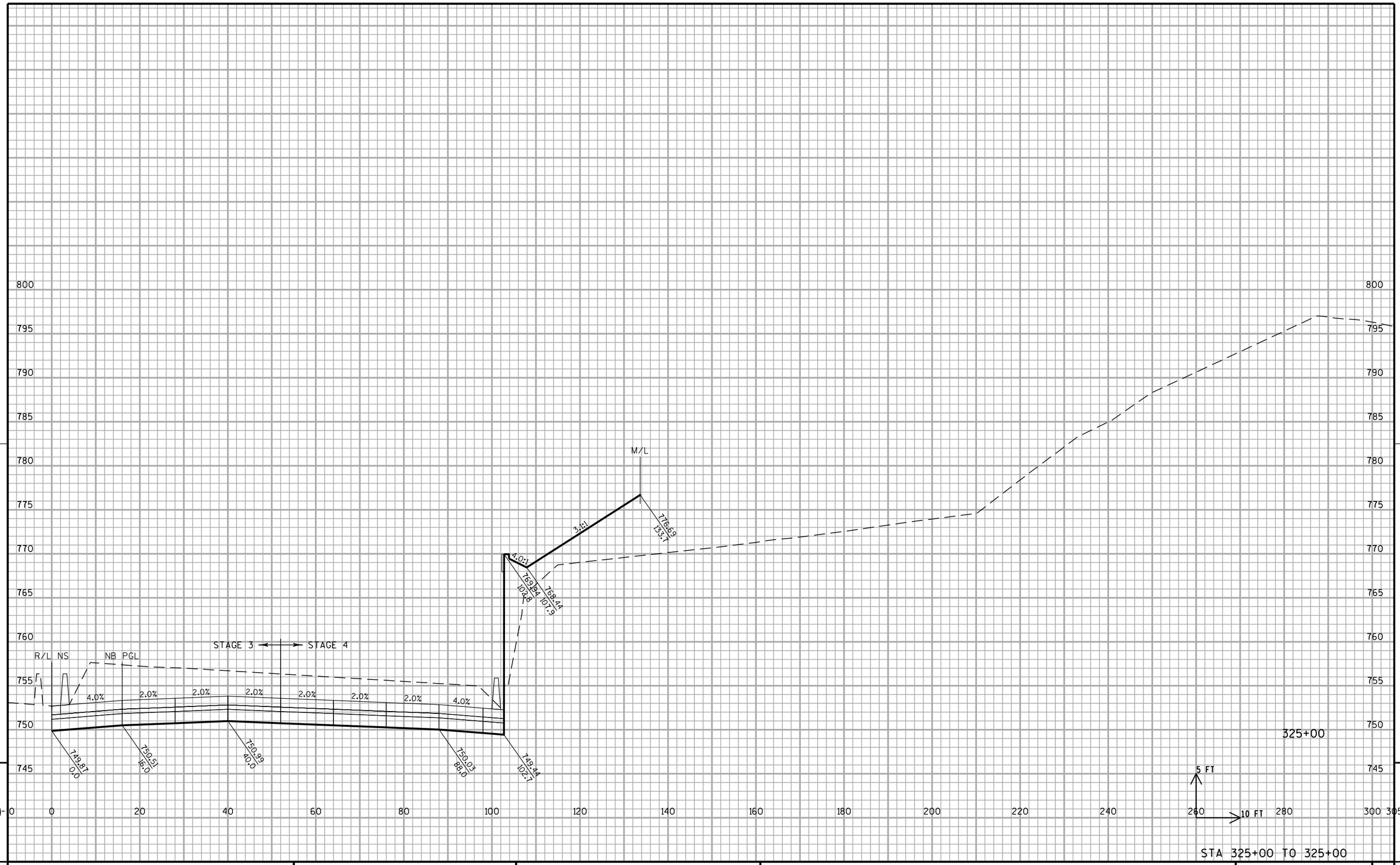


9

STA 324+50 TO 324+50

9

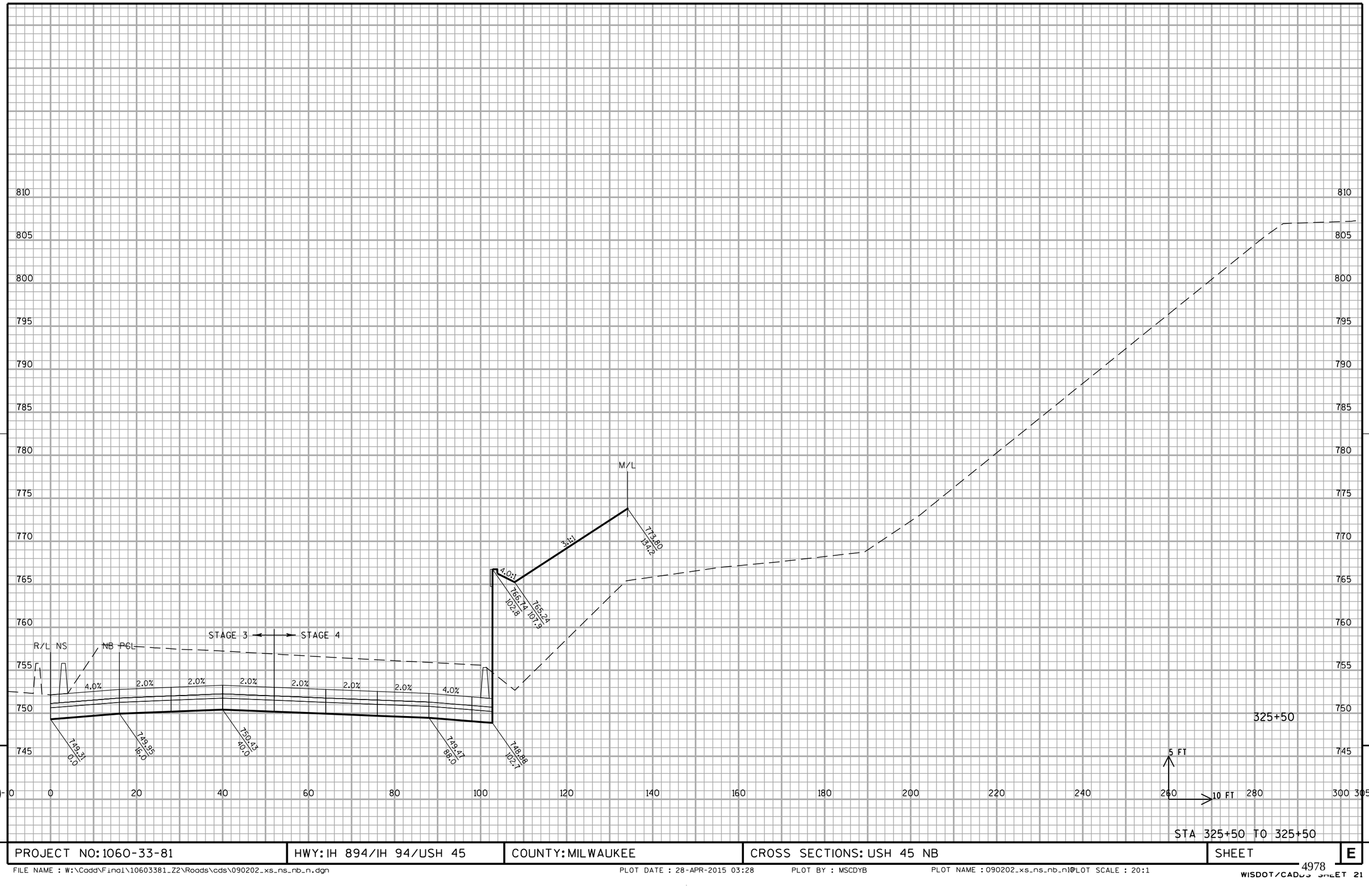
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 325+00 TO 325+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:27 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n9 PLOT SCALE : 20:1

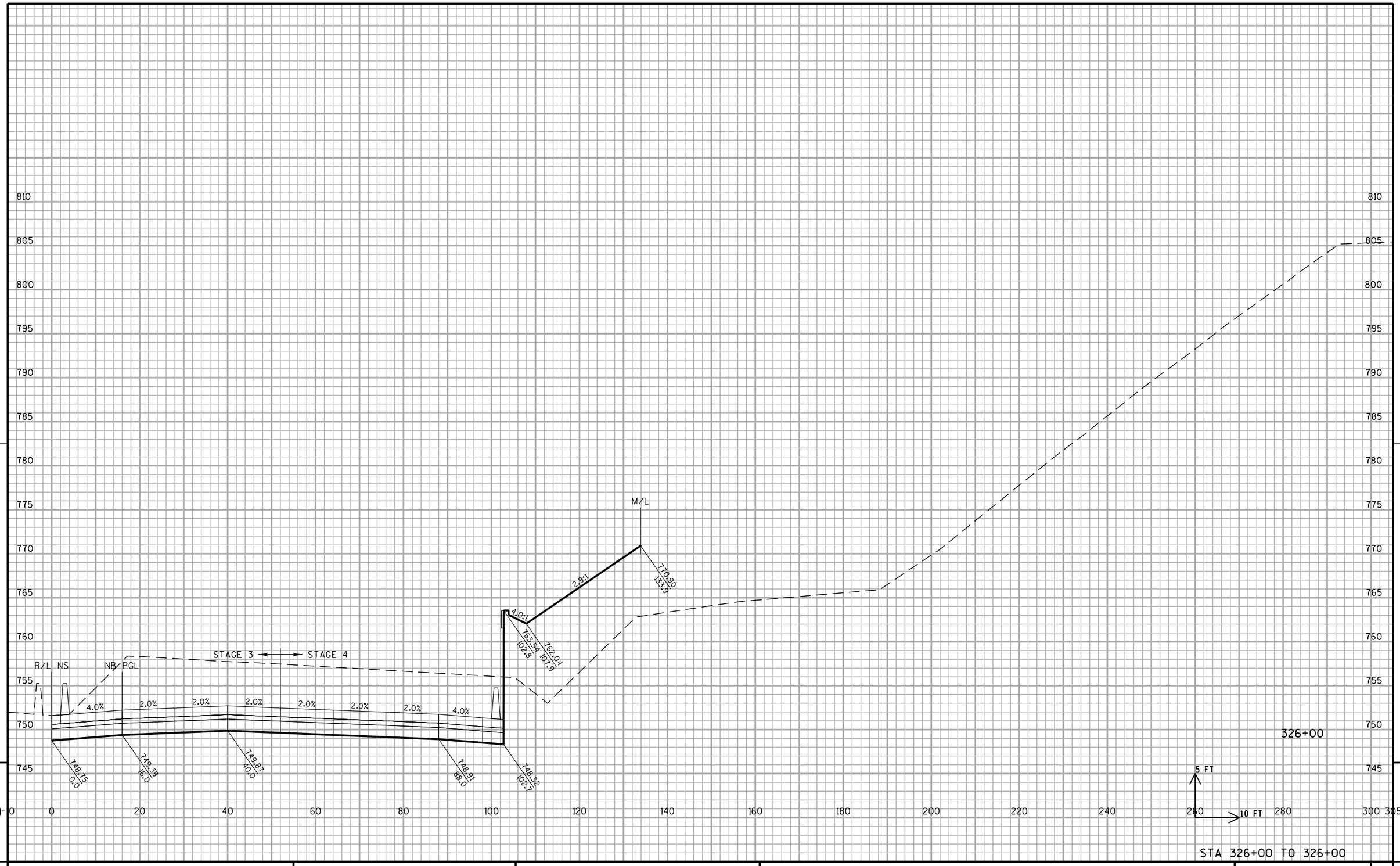


9

9

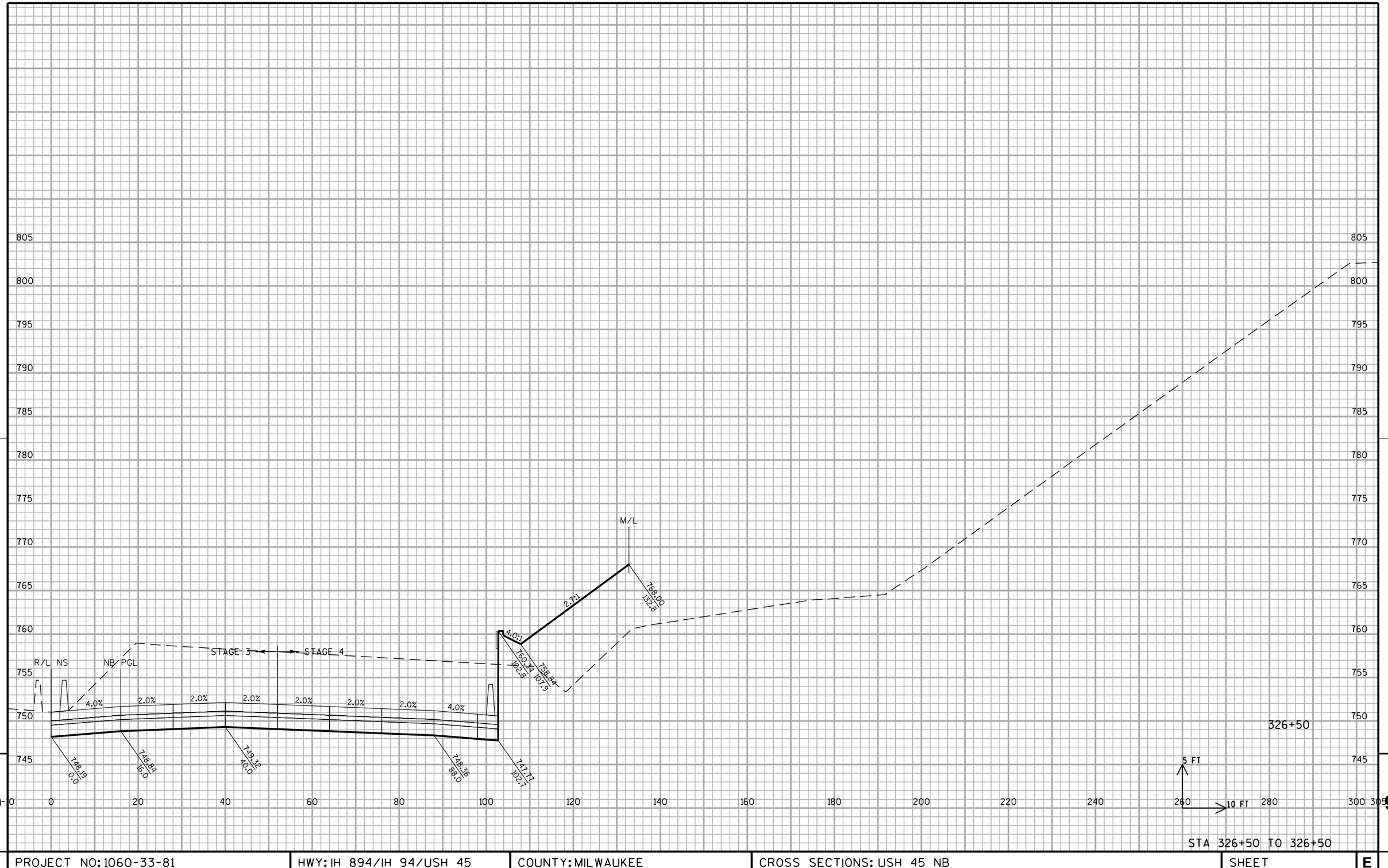
STA 325+50 TO 325+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 326+00 TO 326+00

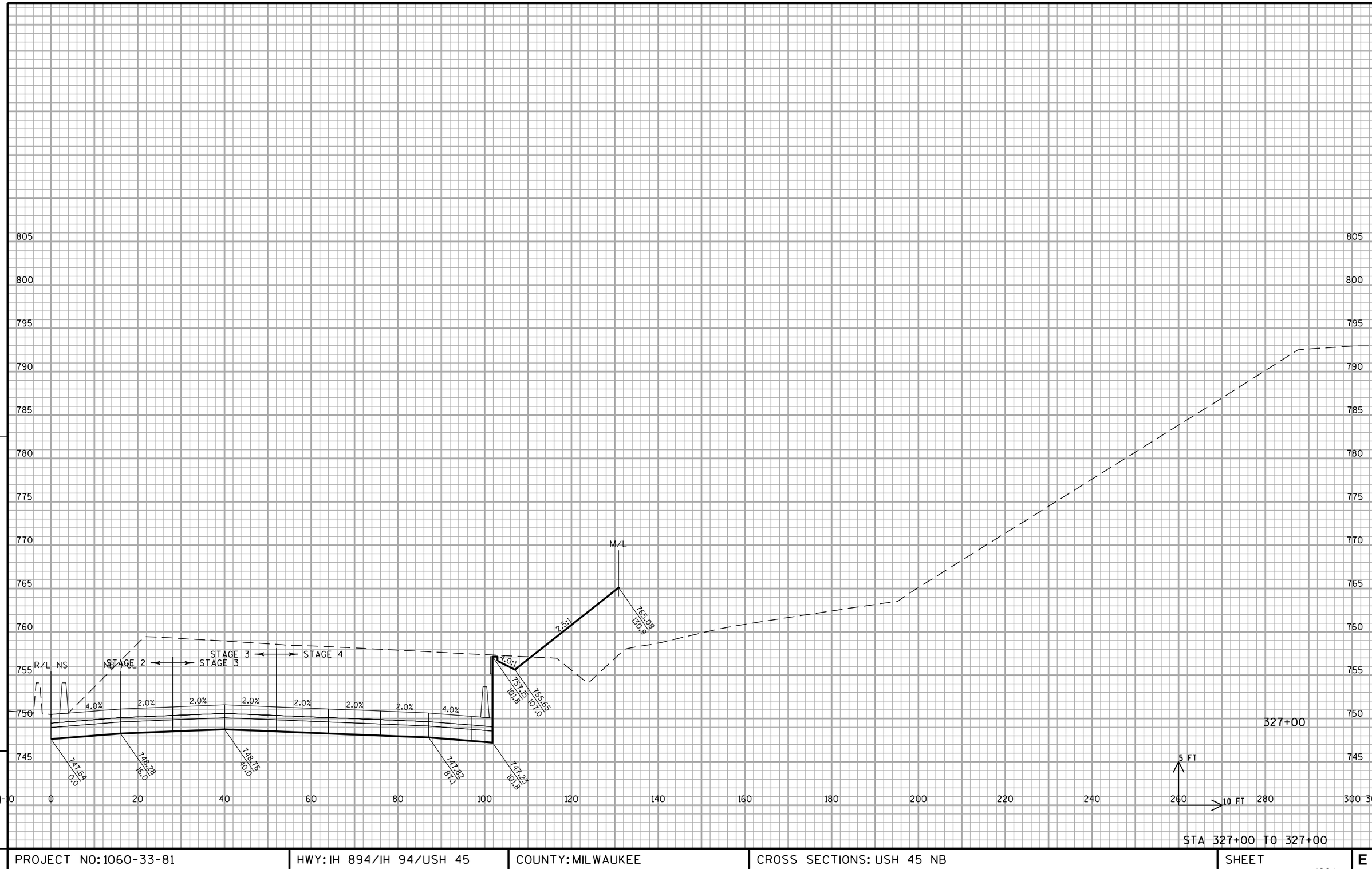
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 326+50 TO 326+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n12 PLOT SCALE : 20:1



9

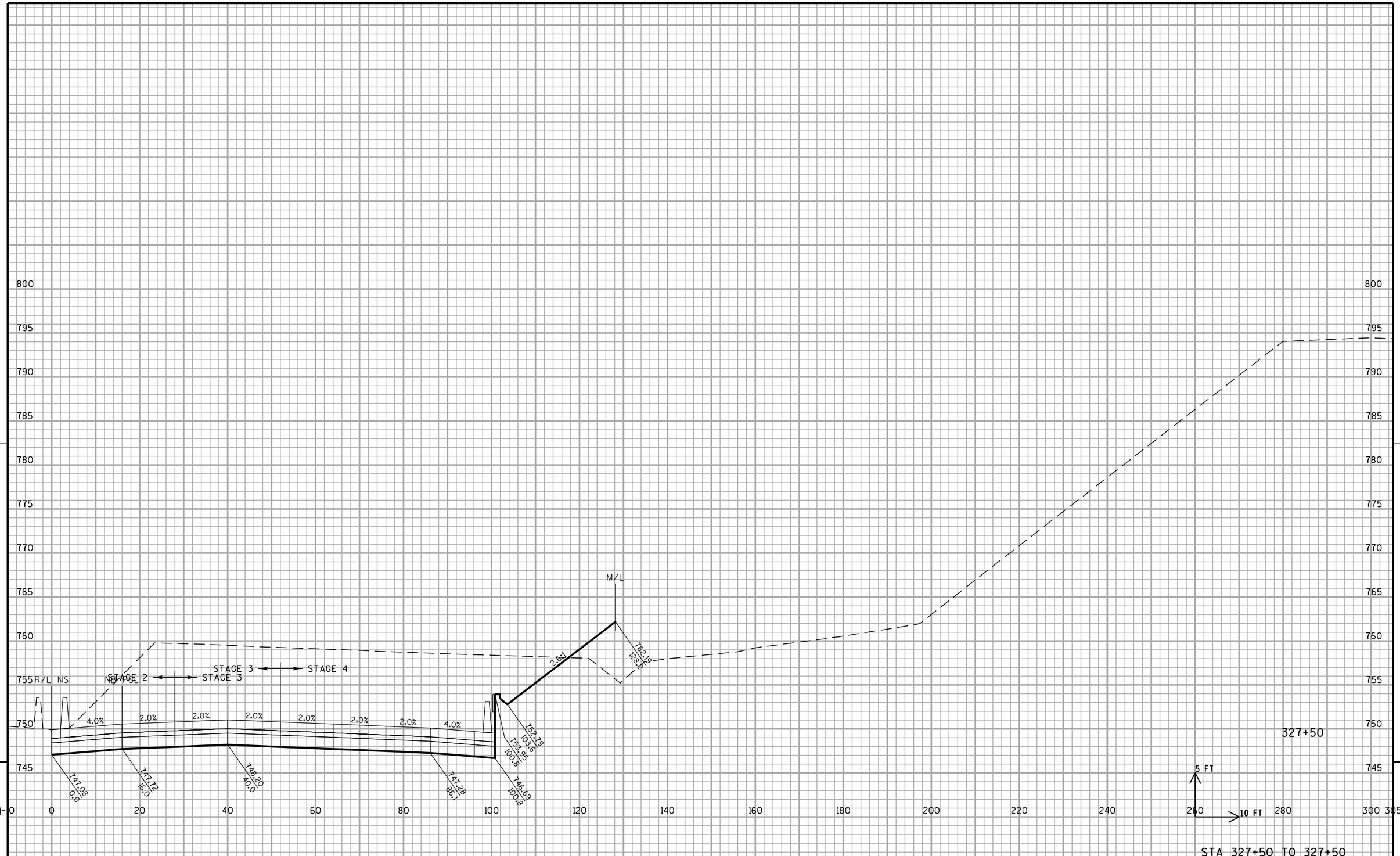
9

STA 327+00 TO 327+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



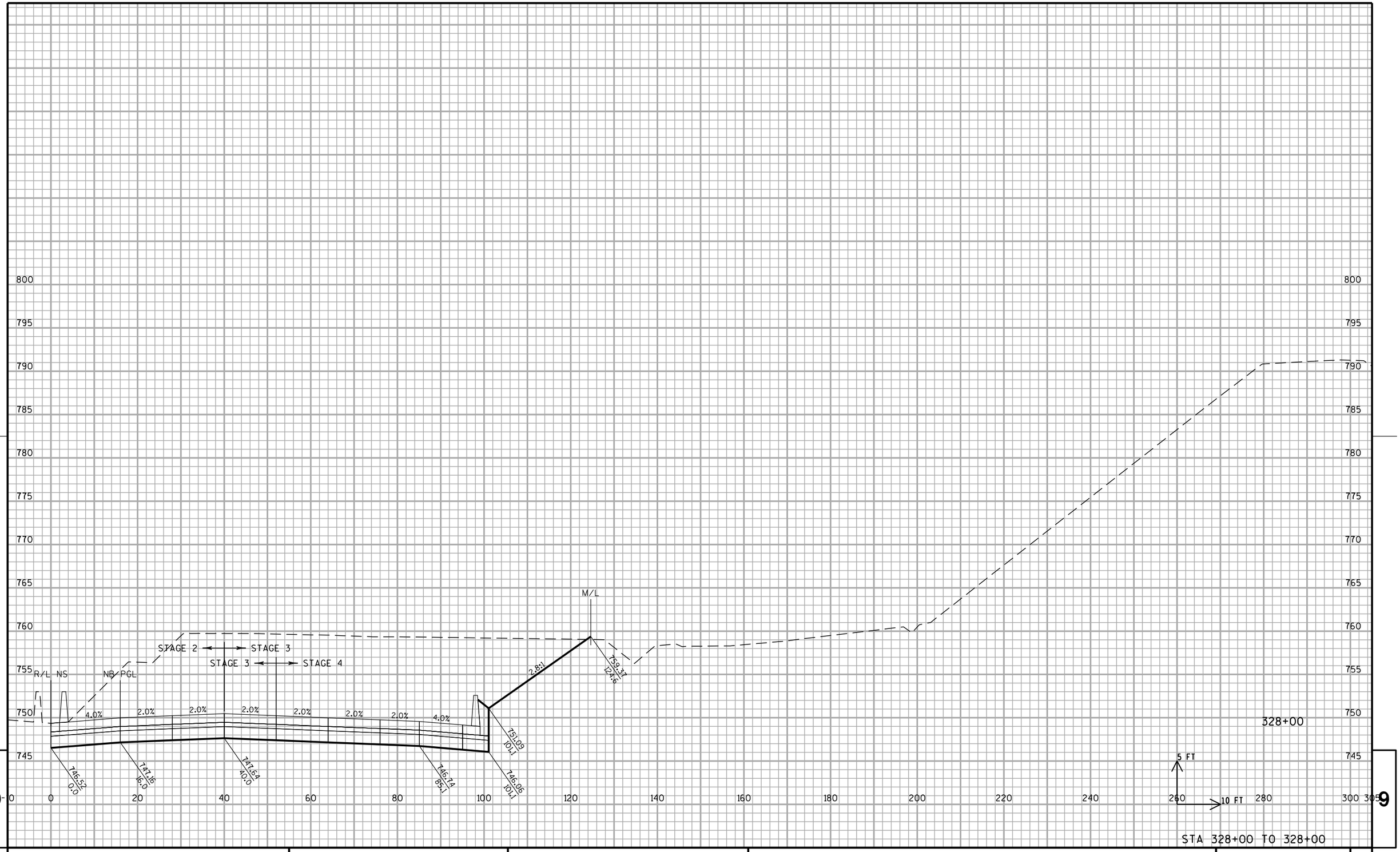
9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

STA 327+50 TO 327+50

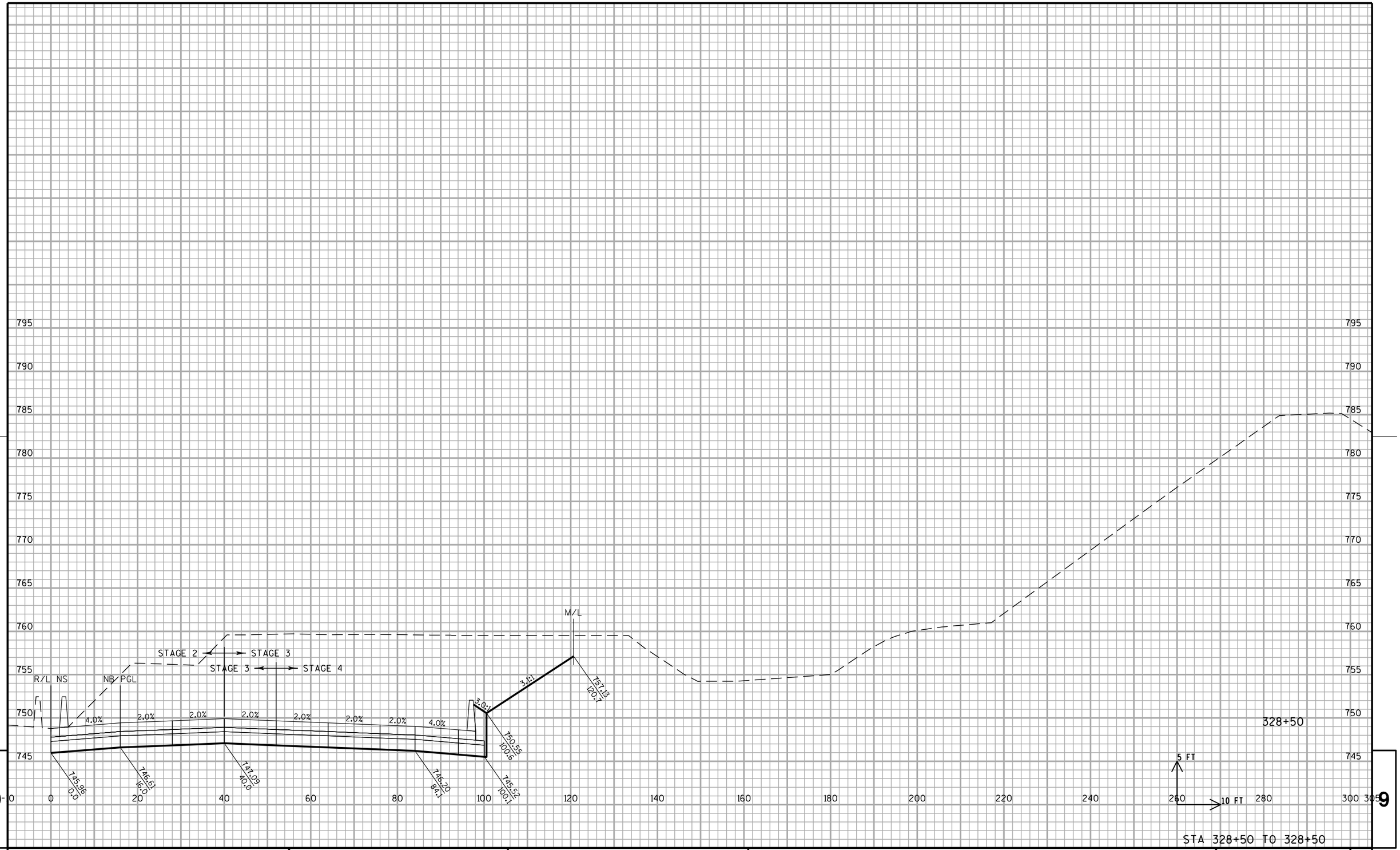
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n1 PLOT SCALE : 20:1



9 9

STA 328+00 TO 328+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 328+50 TO 328+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n1 PLOT SCALE : 20:1

795
790
785
780
775
770
765
760
755
750
745

STAGE 2
STAGE 3
STAGE 3
STAGE 4
R/L NS
NB PGL
M/L
4.0%
2.0%
2.0%
2.0%
2.0%
2.0%
2.0%
4.0%
3.0:1
3.4:1
745.41
0.0
746.05
16.0
746.53
40.0
745.67
83.1
745.26
93.1
750.02
99.6
755.34
117.8

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

329+00

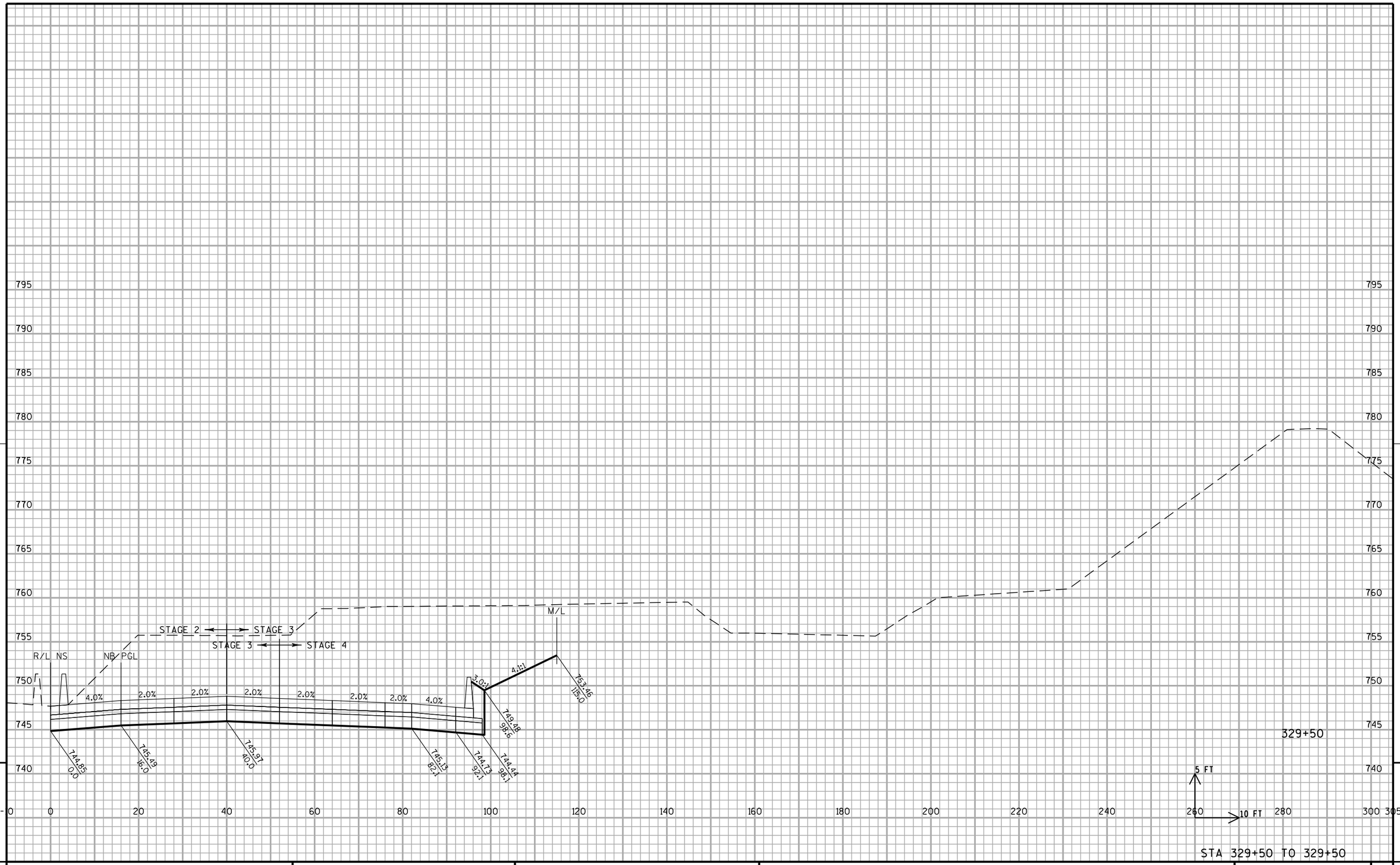
5 FT
10 FT

STA 329+00 TO 329+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

STA 329+50 TO 329+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n1 PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750
745
740

R/L NS
NB PGL
STAGE 2
STAGE 4
M/L

4.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 4.0%

3:1:1
4.3:1

744.29 0.0
744.93 16.0
745.41 40.0
744.93
744.59 76.0
744.59 84.1
744.49 91.1
743.91 97.1
748.78 97.1
748.78 99.7
751.69 112.2

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

330+00

5 FT
10 FT

STA 330+00 TO 330+00

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn
PLOT DATE : 28-APR-2015 03:28
PLOT BY : MSCDYB
PLOT NAME : 090202_xs_ns_nb_n1
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

790
785
780
775
770
765
760
755
750
745
740

R/L NS
NB/PGL
STAGE 2
STAGE 4
M/L
4.0%
2.0%
2.0%
1.4%
1.4%
1.4%
1.4%
4.0%
3.0:1
5.3:1
743.73 0.0
744.38 16.0
744.86 40.0
744.53 64.0
744.35 76.0
744.30 90.1
743.90 90.1
743.62 96.1
747.77 96.7
750.18 109.5

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

330+50

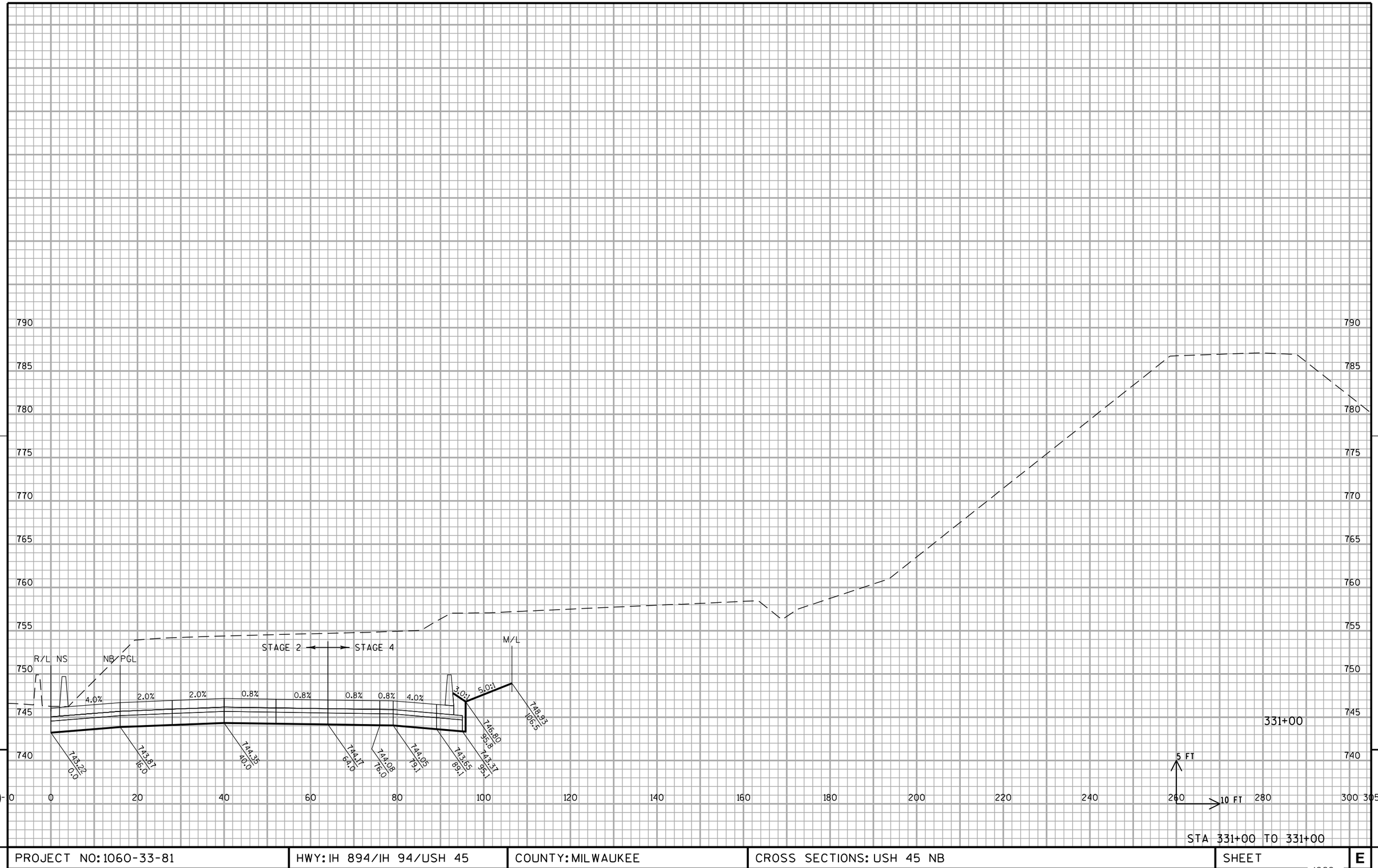
5 FT
10 FT

STA 330+50 TO 330+50

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn
PLOT DATE : 28-APR-2015 03:28
PLOT BY : MSCDYB
PLOT NAME : 090202_xs_ns_nb_n2
PLOT SCALE : 20:1



9

9

STA 331+00 TO 331+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_NS_NB_N.dgn PLOT DATE : 28-APR-2015 14:21 PLOT BY : MSCDYB PLOT NAME : 090202_xs_NS_NB_N2 PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750
745
740

R/L NS
NB/PGL
STAGE 2
STAGE 4
M/L

4.0% 2.0% 2.0% 0.1% 0.1% 0.1% 4.0% 3.0:1 2.5:1

742.81 0.0
743.45 16.0
743.93 40.0
743.90 64.0
743.89 76.0
743.88 78.1
743.48 88.1
743.20 94.1
745.88 95.0
745.98 97.0
747.97 102.13

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

331+50

5 FT
10 FT

STA 331+50 TO 331+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

795
790
785
780
775
770
765
760
755
750
745
740

R/L NS
NB PGL
STAGE 2
STAGE 4
M/L
4.0%
2.0%
2.0%
0.5%
0.5%
0.5%
2.0%
4.8:1
742.49
0.0
743.13
16.0
743.61
40.0
743.73
64.0
743.79
76.0
743.80
78.0
743.59
86.0
743.44
93.1
746.28
93.1
747.27
97.9

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

5 FT
10 FT

332+00

STA 332+00 TO 332+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n2 PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750
745
740

STAGE 2 ← → STAGE 4

R/L NS
NB PGL
M/L

4.0% 2.0% 2.0% 1.1% 1.1% 1.1% 0.4%

742.25 0.0
742.91 16.0
743.39 40.0
743.66 64.0
743.79 76.0
743.80 78.0
743.84 86.0
743.86 92.1
746.89 99.3

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

332+50

5 FT
10 FT

STA 332+50 TO 332+50

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

790
785
780
775
770
765
760
755
750
745
740

R/L NS
NB PGL
STAGE 2
STAGE 4
M/L
4.0%
2.0%
2.0%
1.8%
1.8%
1.8%
742.13
0.0
742.78
16.0
743.26
40.0
743.68
64.0
743.89
96.0

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

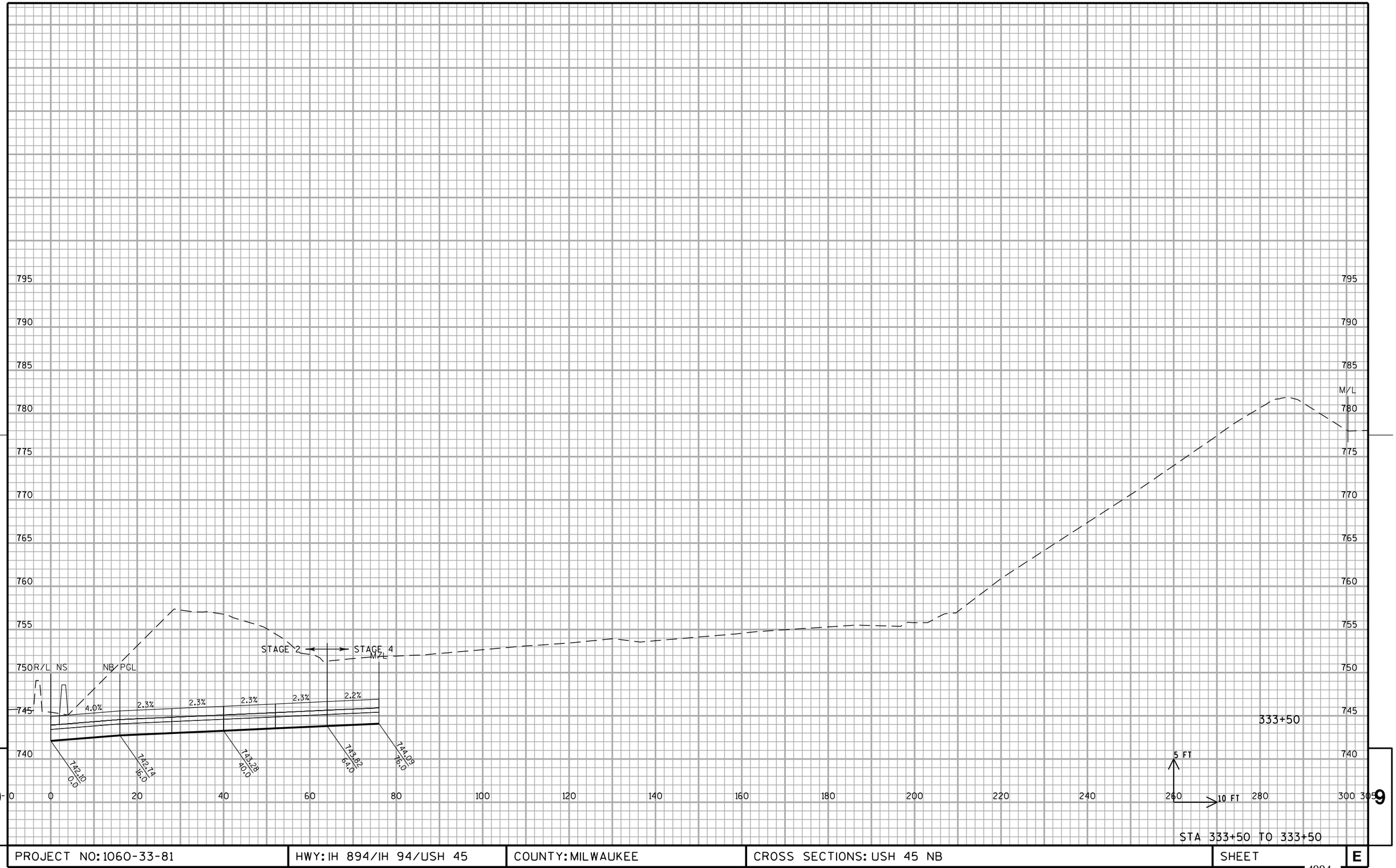
333+00

5 FT
10 FT

STA 333+00 TO 333+00

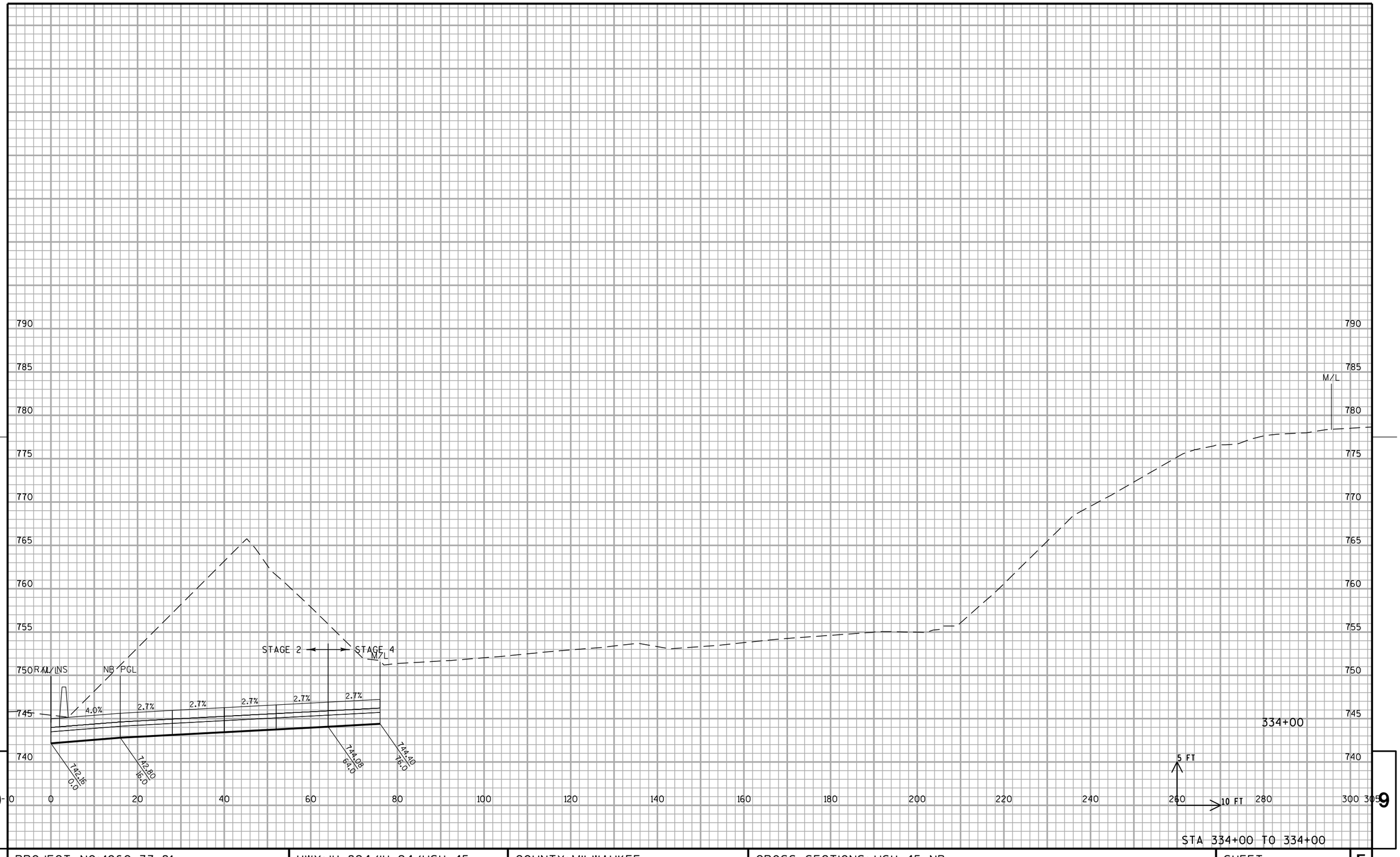
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_NS_NB_N.dgn PLOT DATE : 28-APR-2015 14:21 PLOT BY : MSCDYB PLOT NAME : 090202_xs_NS_NB_N2 PLOT SCALE : 20:1



STA 333+50 TO 333+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



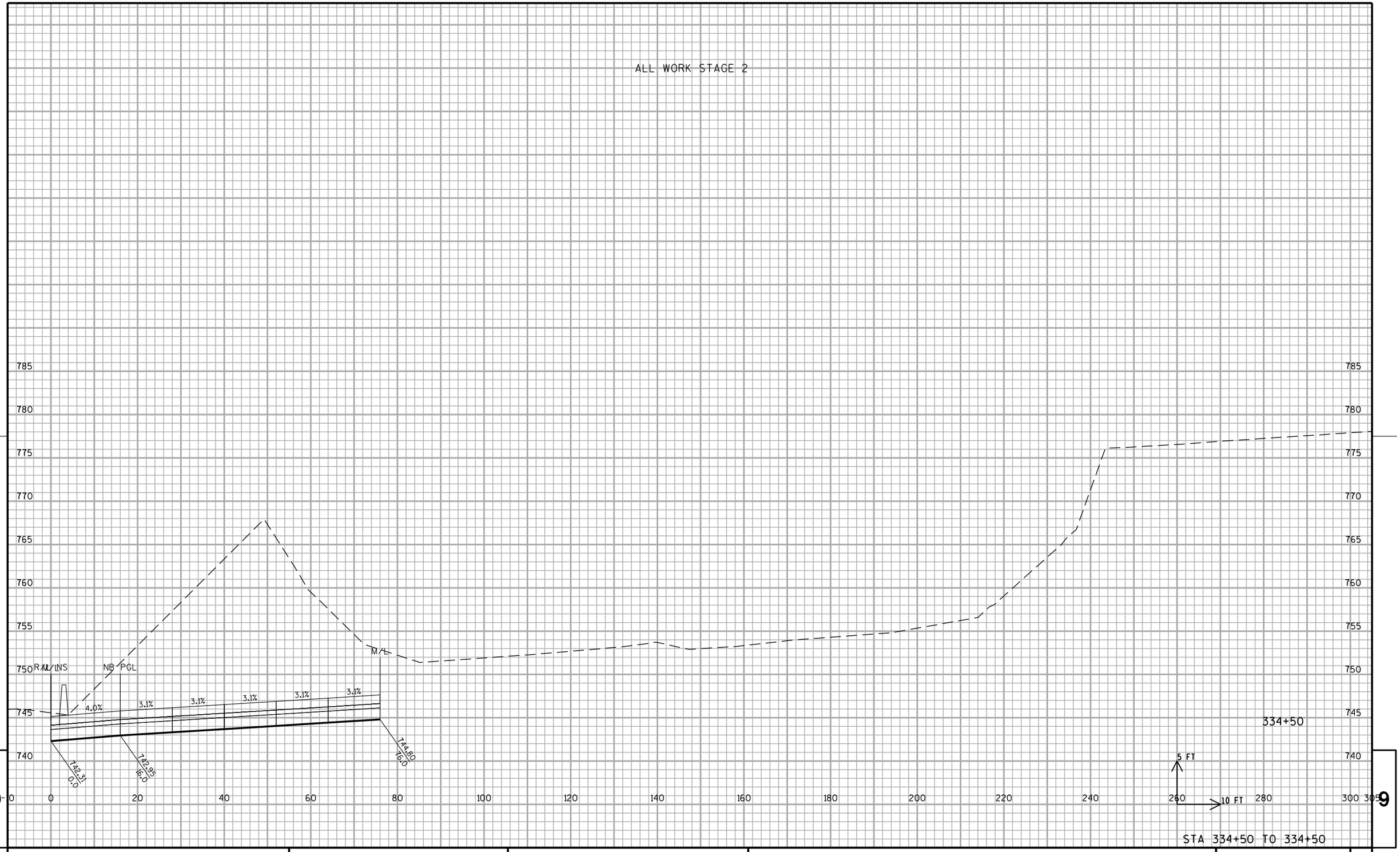
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

STA 334+00 TO 334+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n2 PLOT SCALE : 20:1

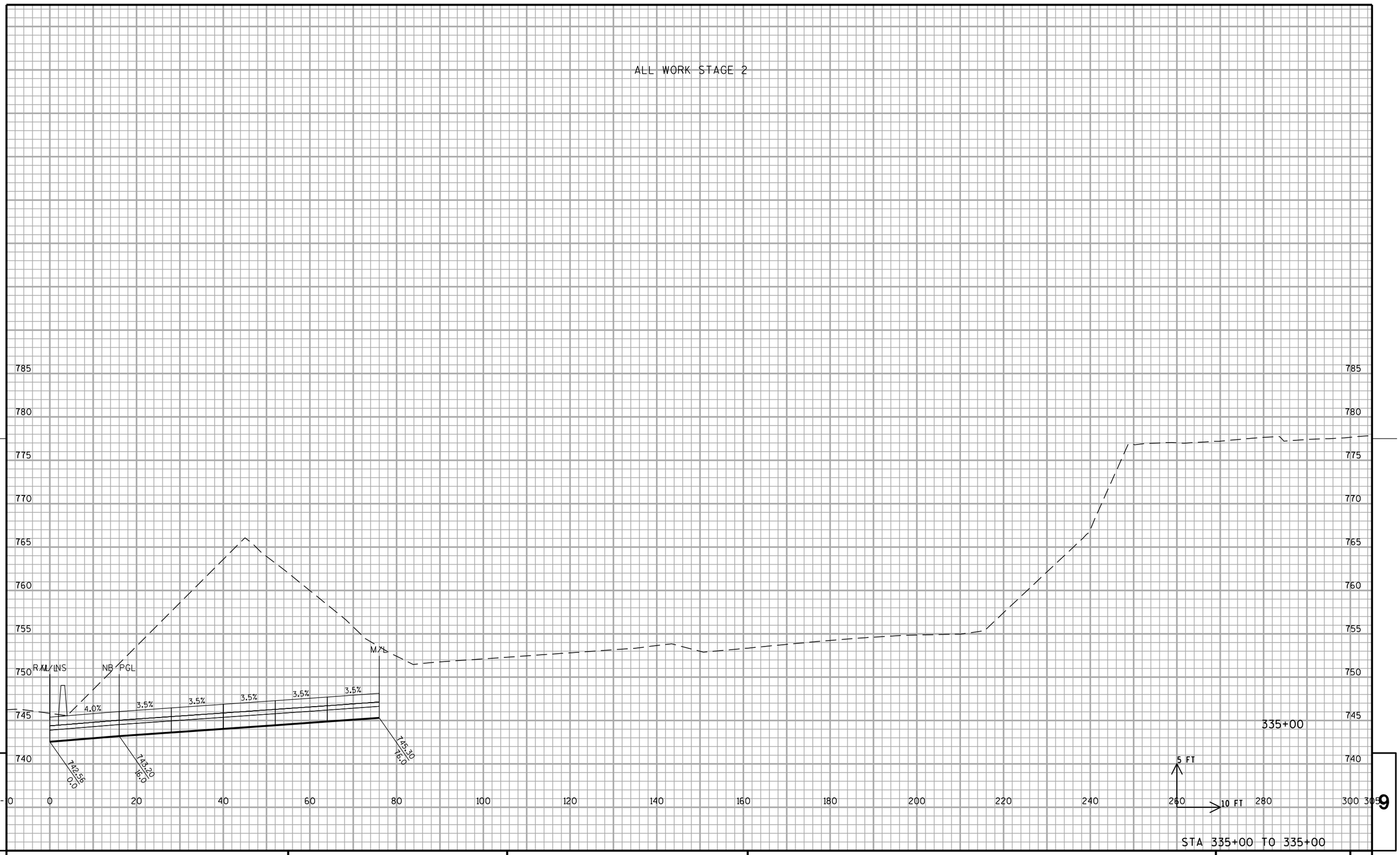
ALL WORK STAGE 2



STA 334+50 TO 334+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

ALL WORK STAGE 2

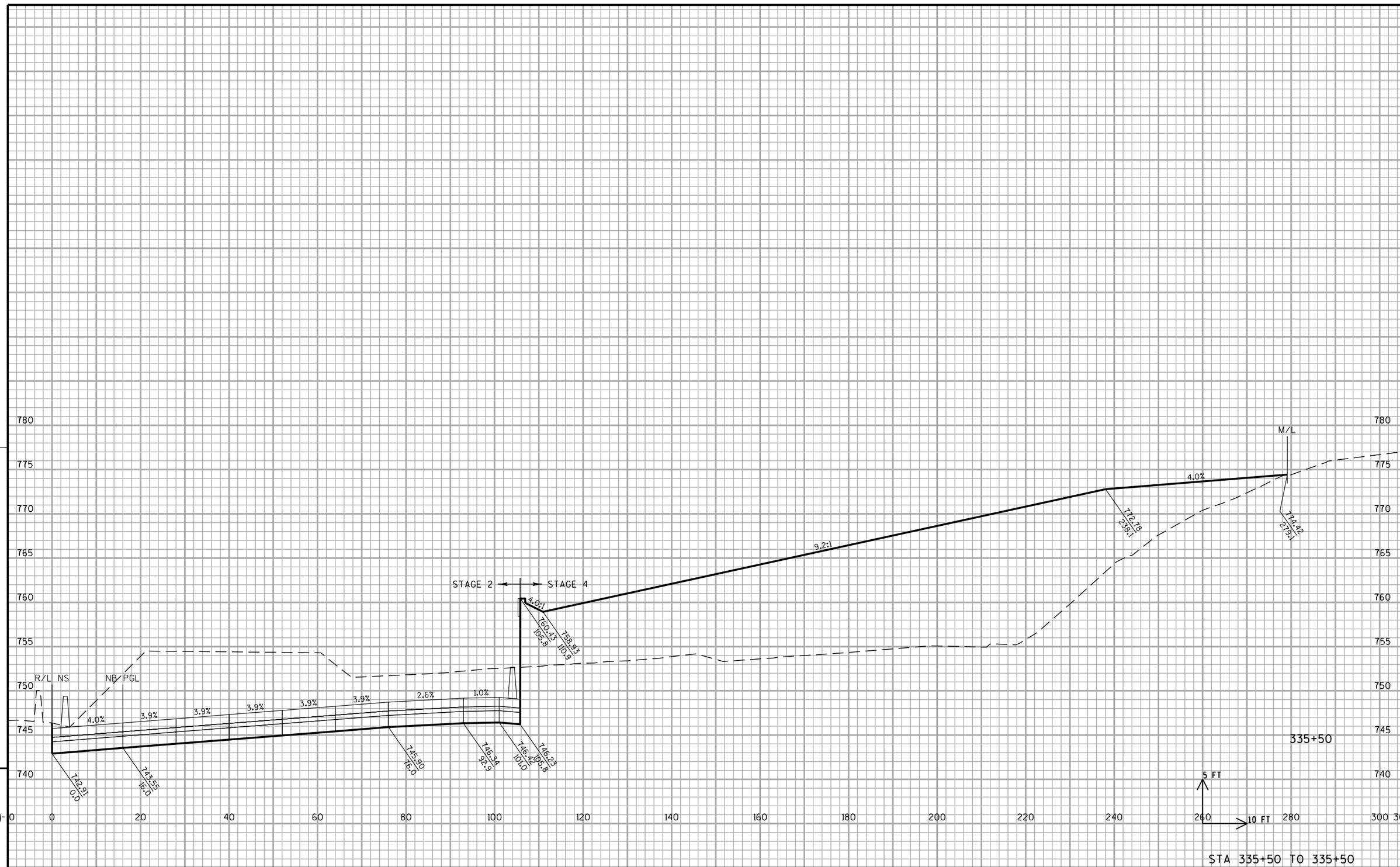


STA 335+00 TO 335+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

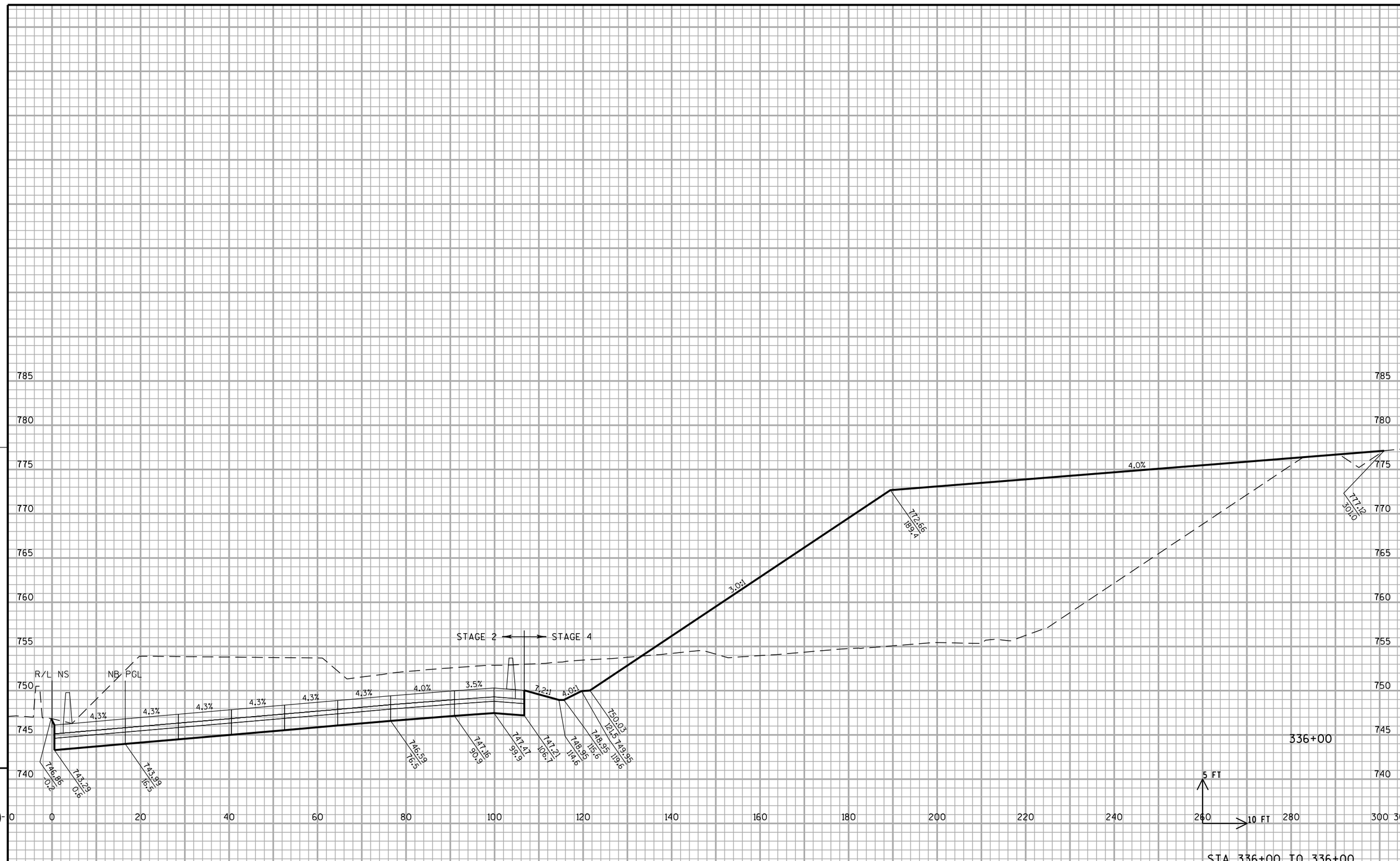
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n29 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

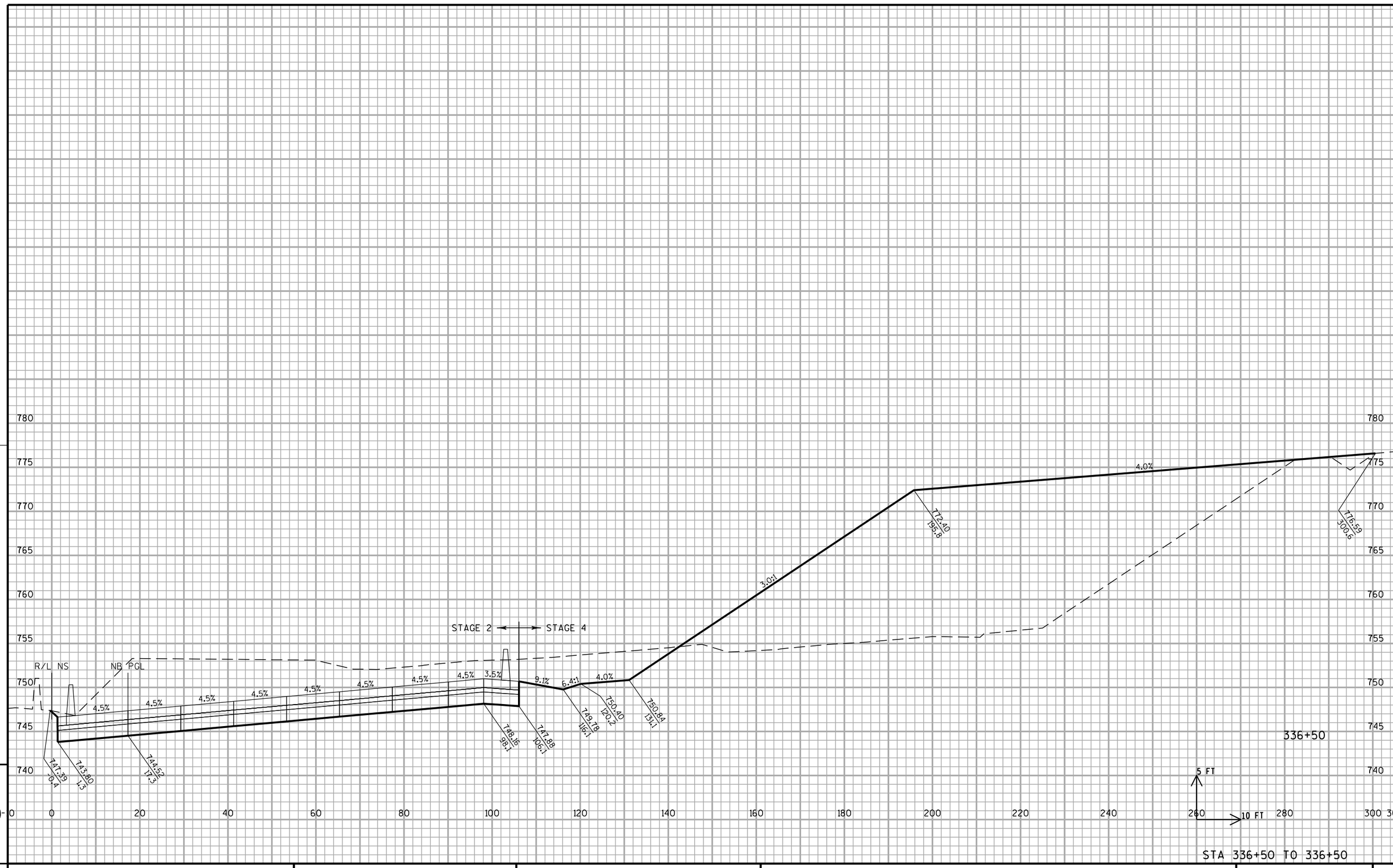


STA 335+50 TO 335+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



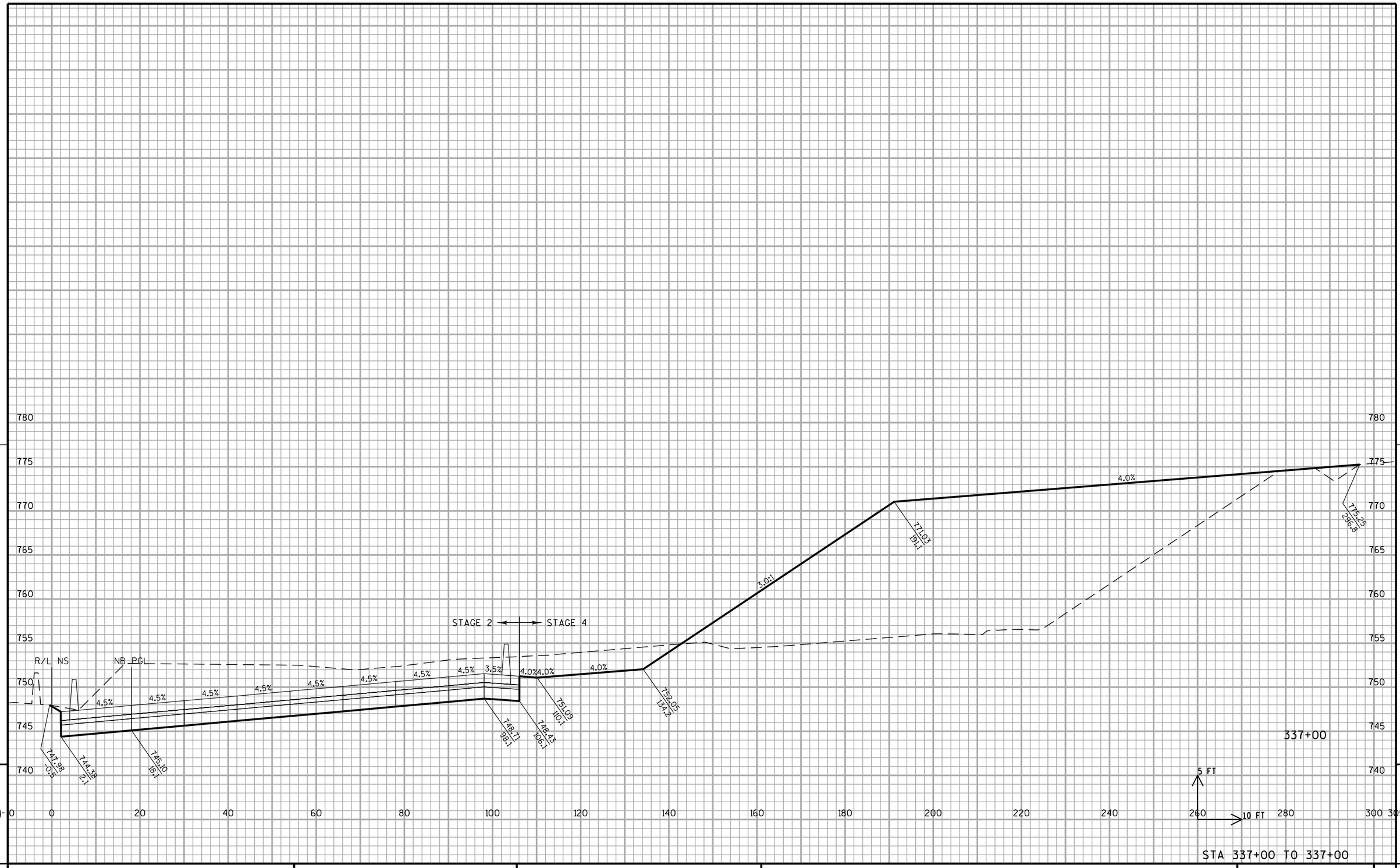
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 336+50 TO 336+50

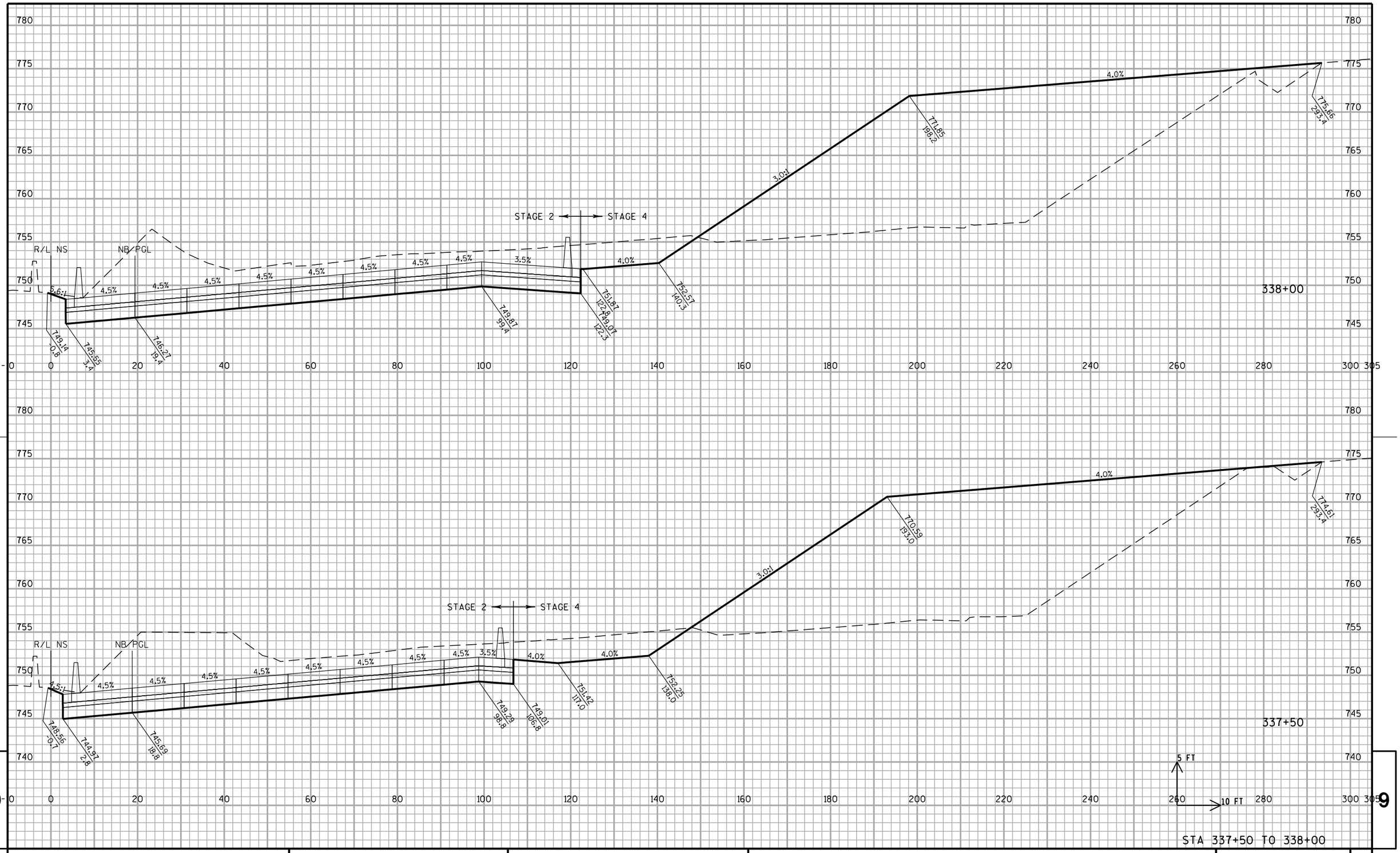
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n32 PLOT SCALE : 20:1

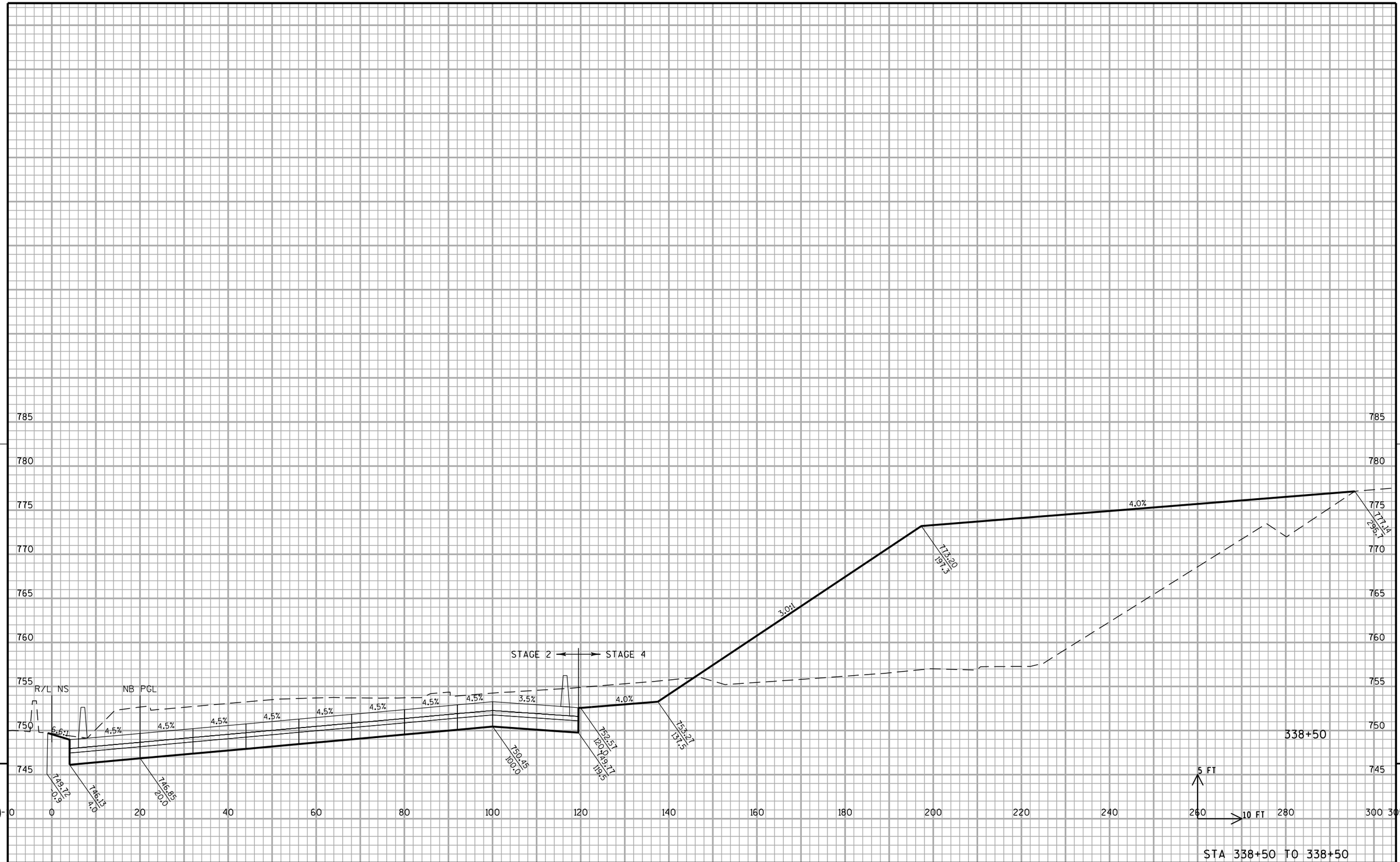


STA 337+00 TO 337+00

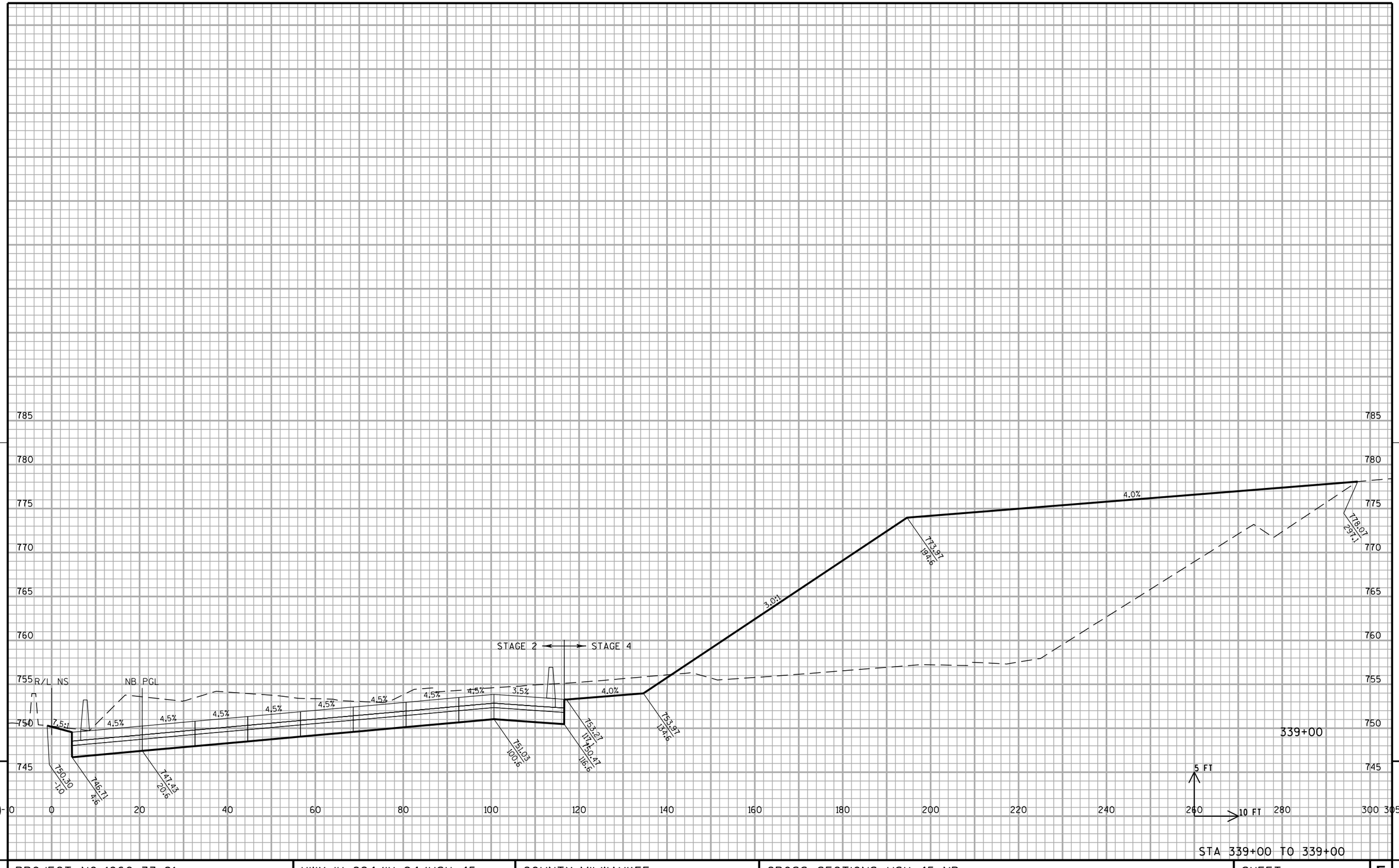
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

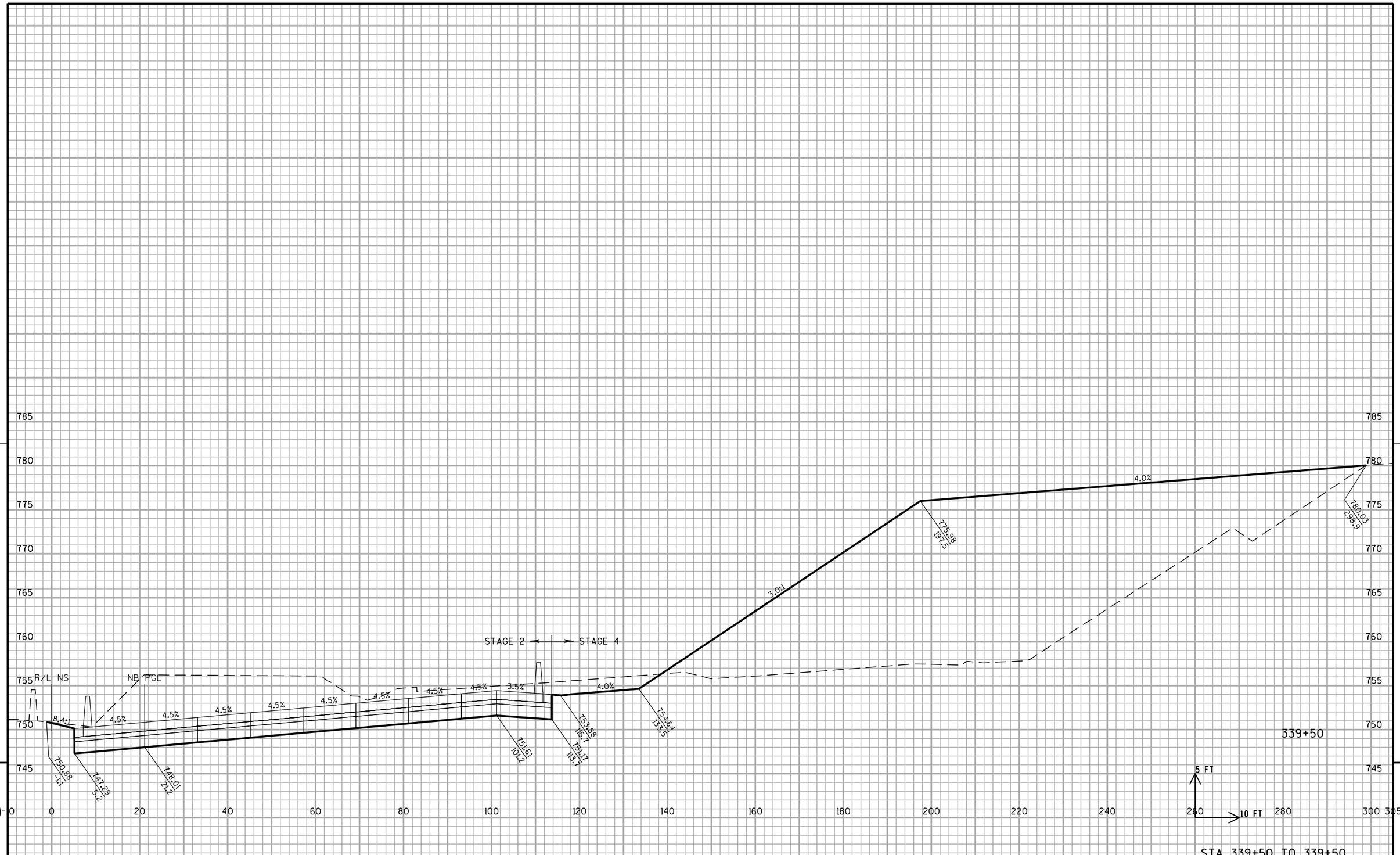


9 9

STA 339+00 TO 339+00

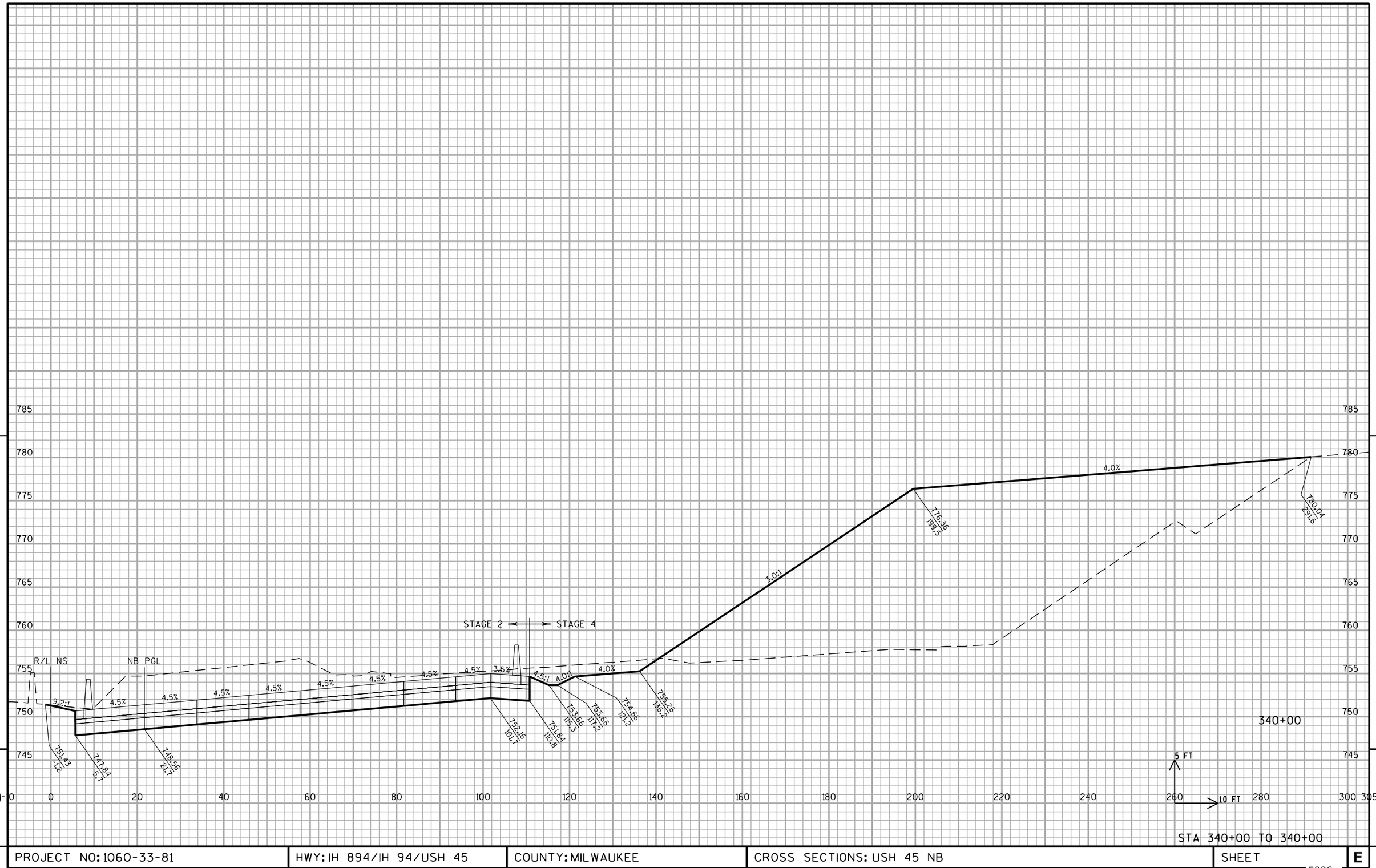
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n3E PLOT SCALE : 20:1



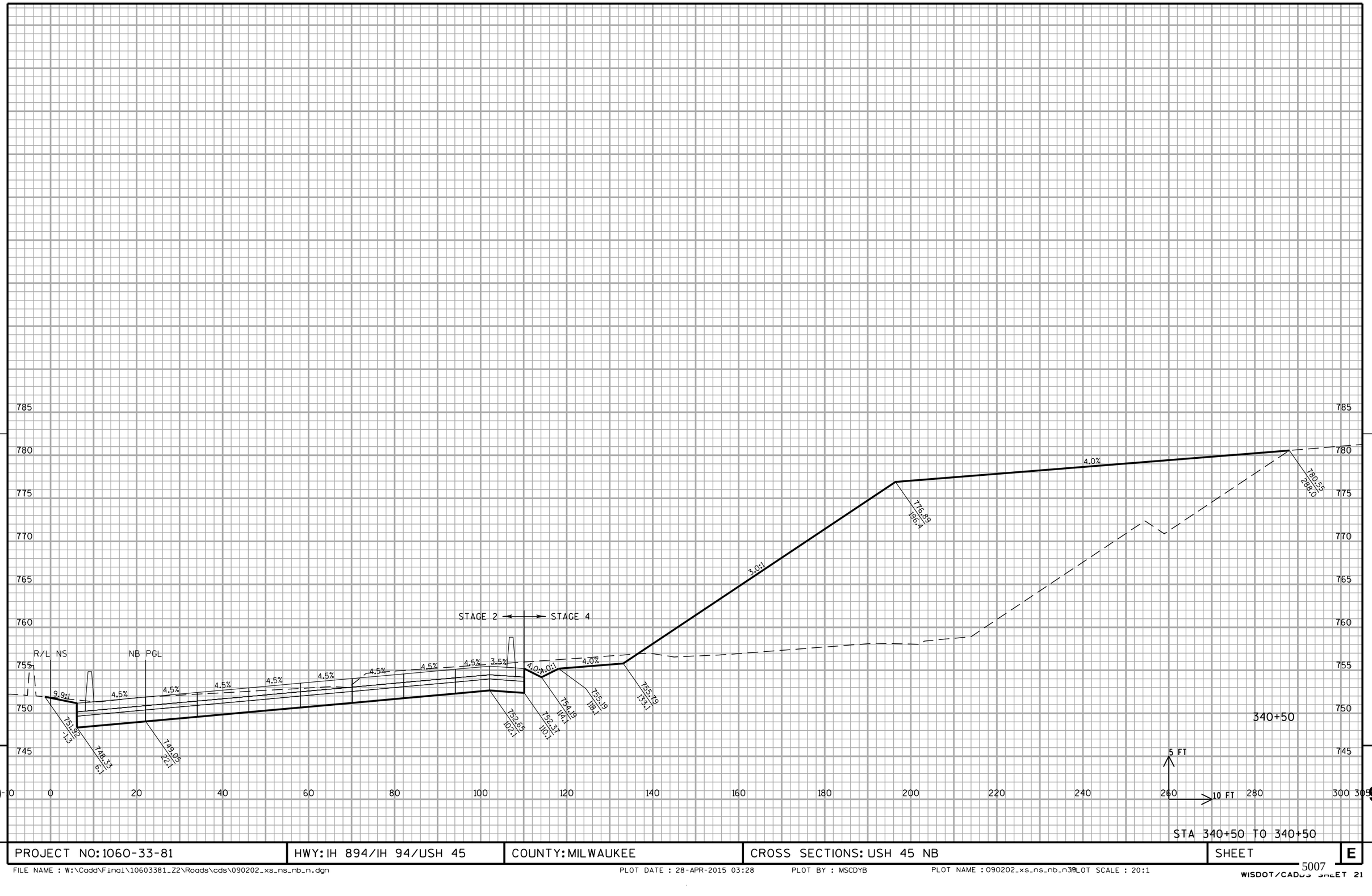
STA 339+50 TO 339+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 340+00 TO 340+00

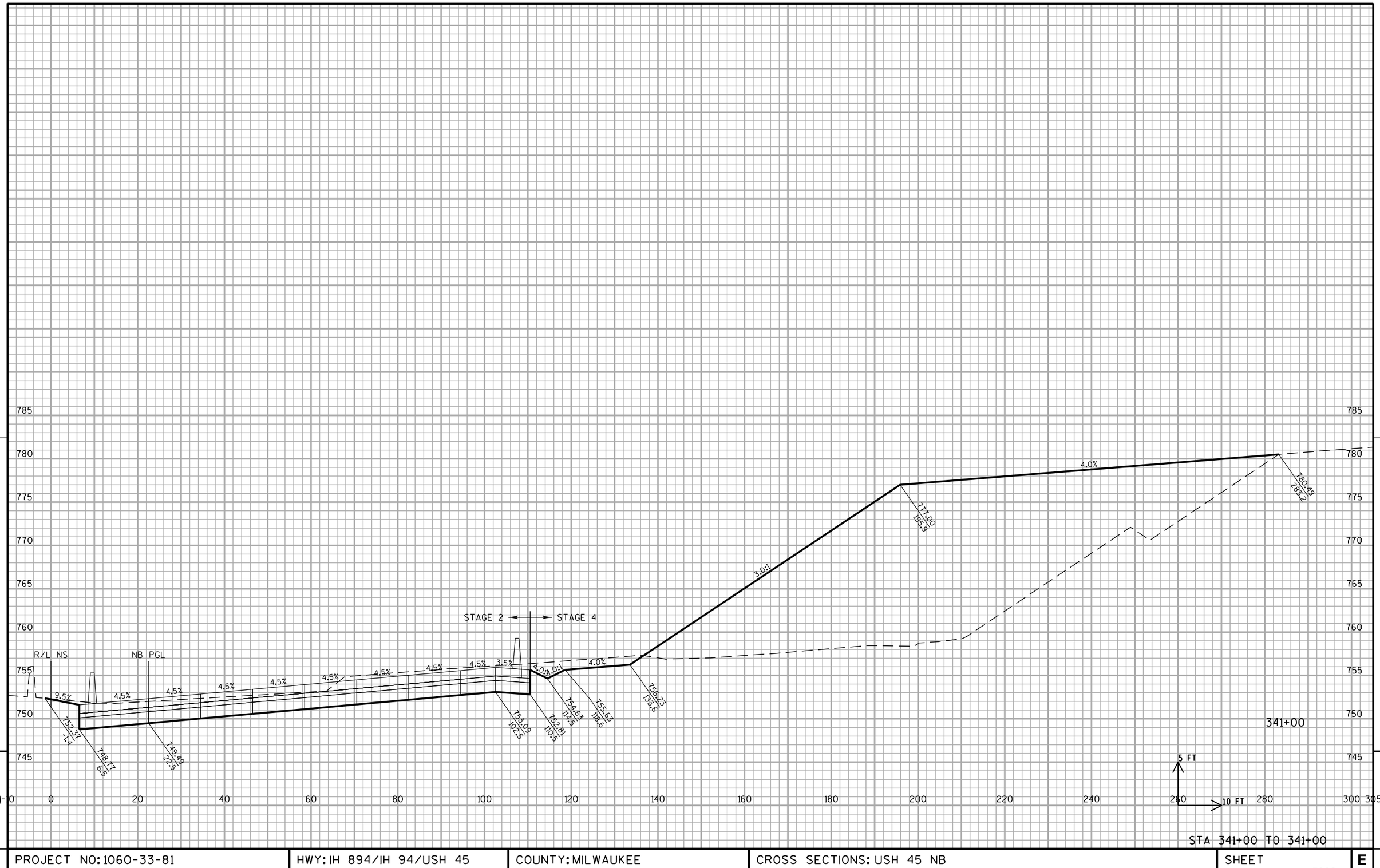
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 340+50 TO 340+50

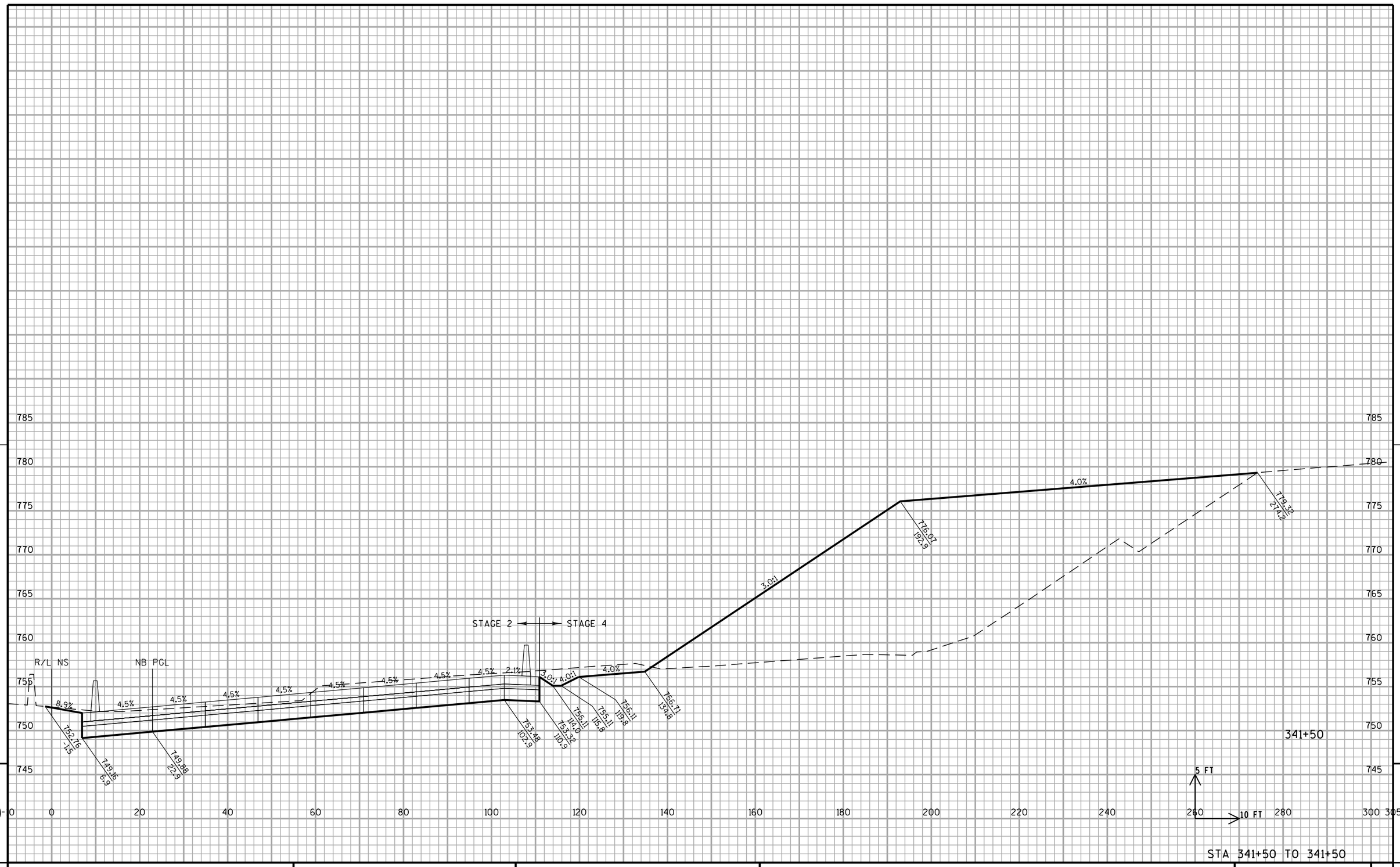
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n39 PLOT SCALE : 20:1



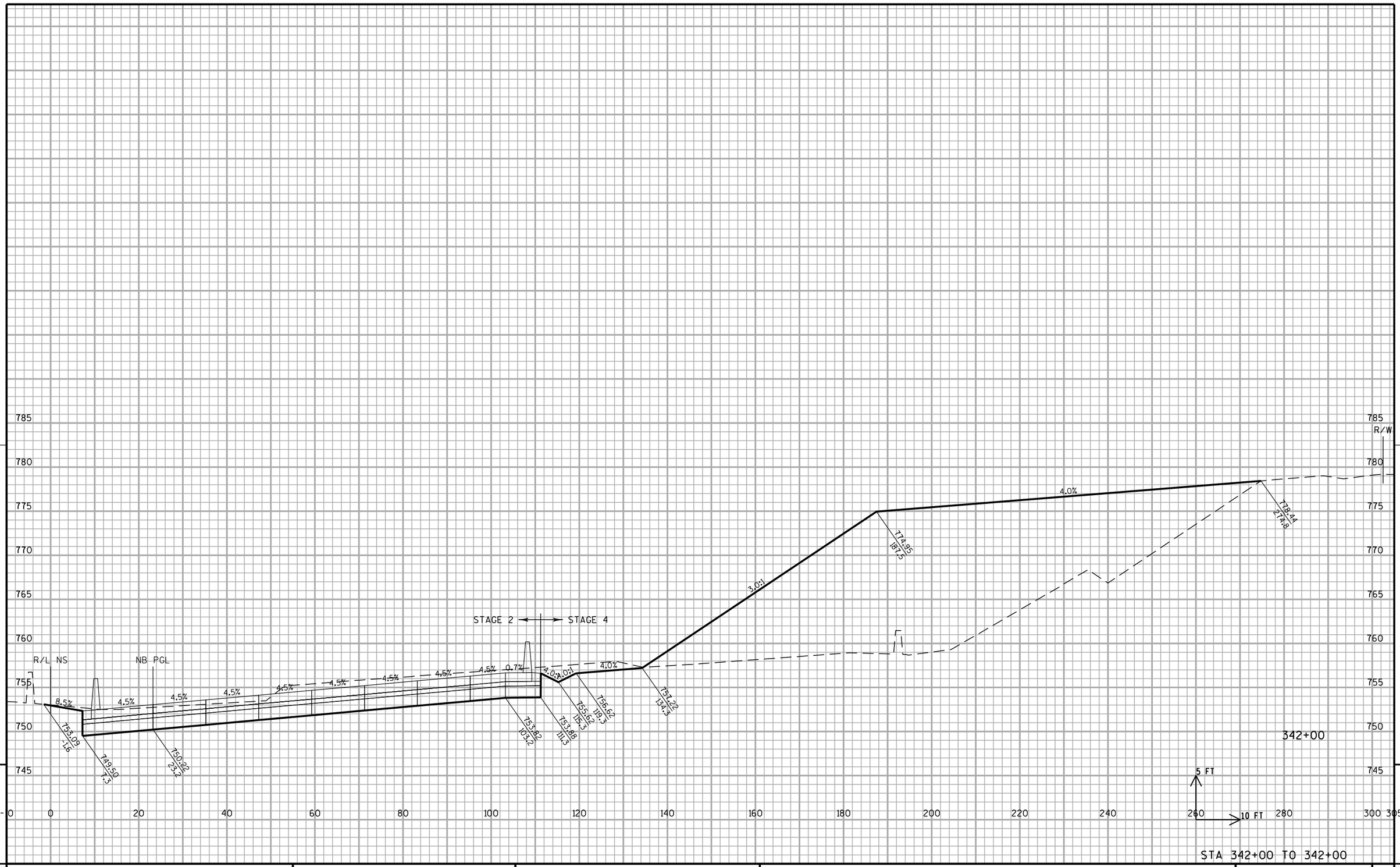
STA 341+00 TO 341+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 341+50 TO 341+50

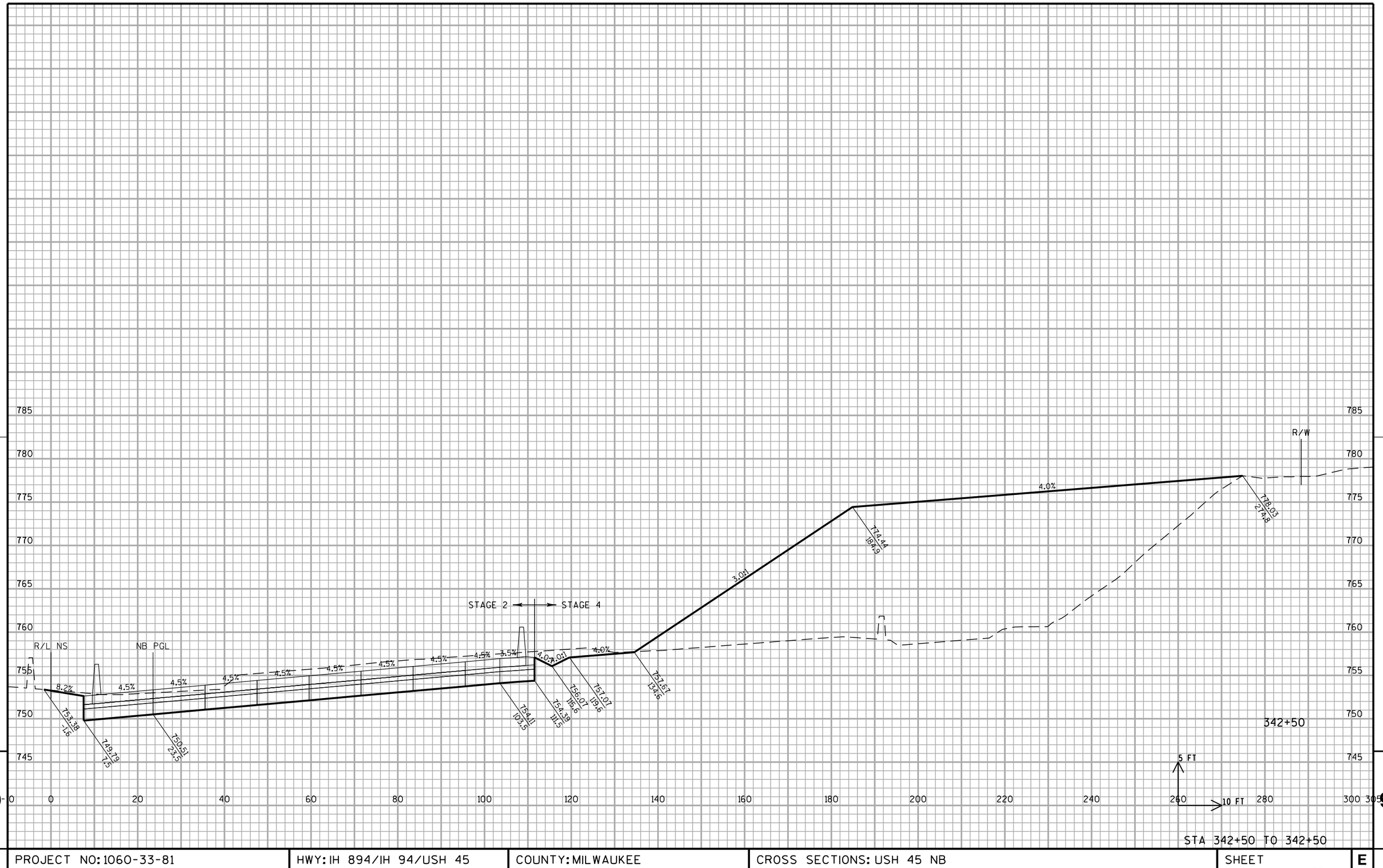
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



STA 342+00 TO 342+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n42 PLOT SCALE : 20:1

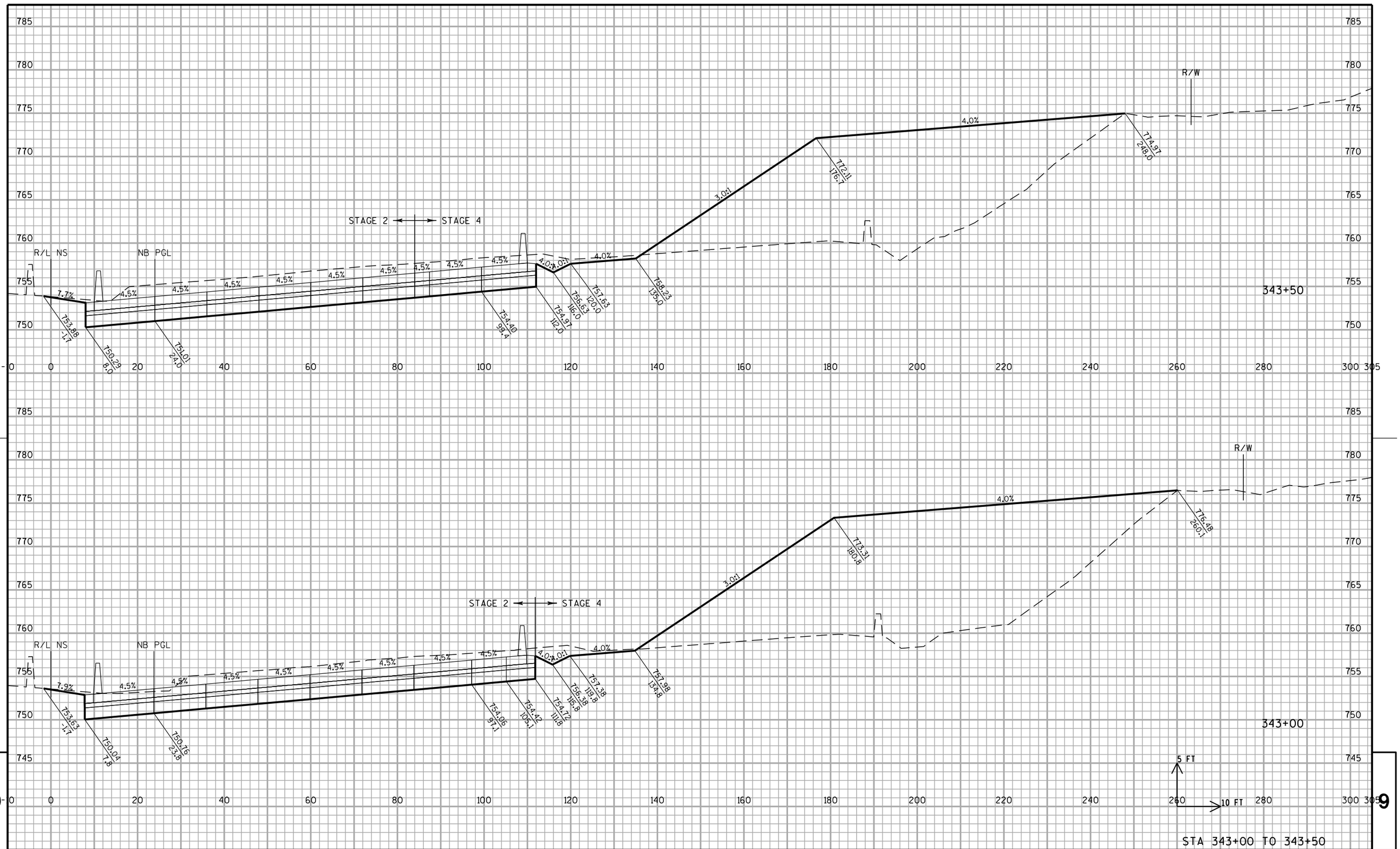


STA 342+50 TO 342+50

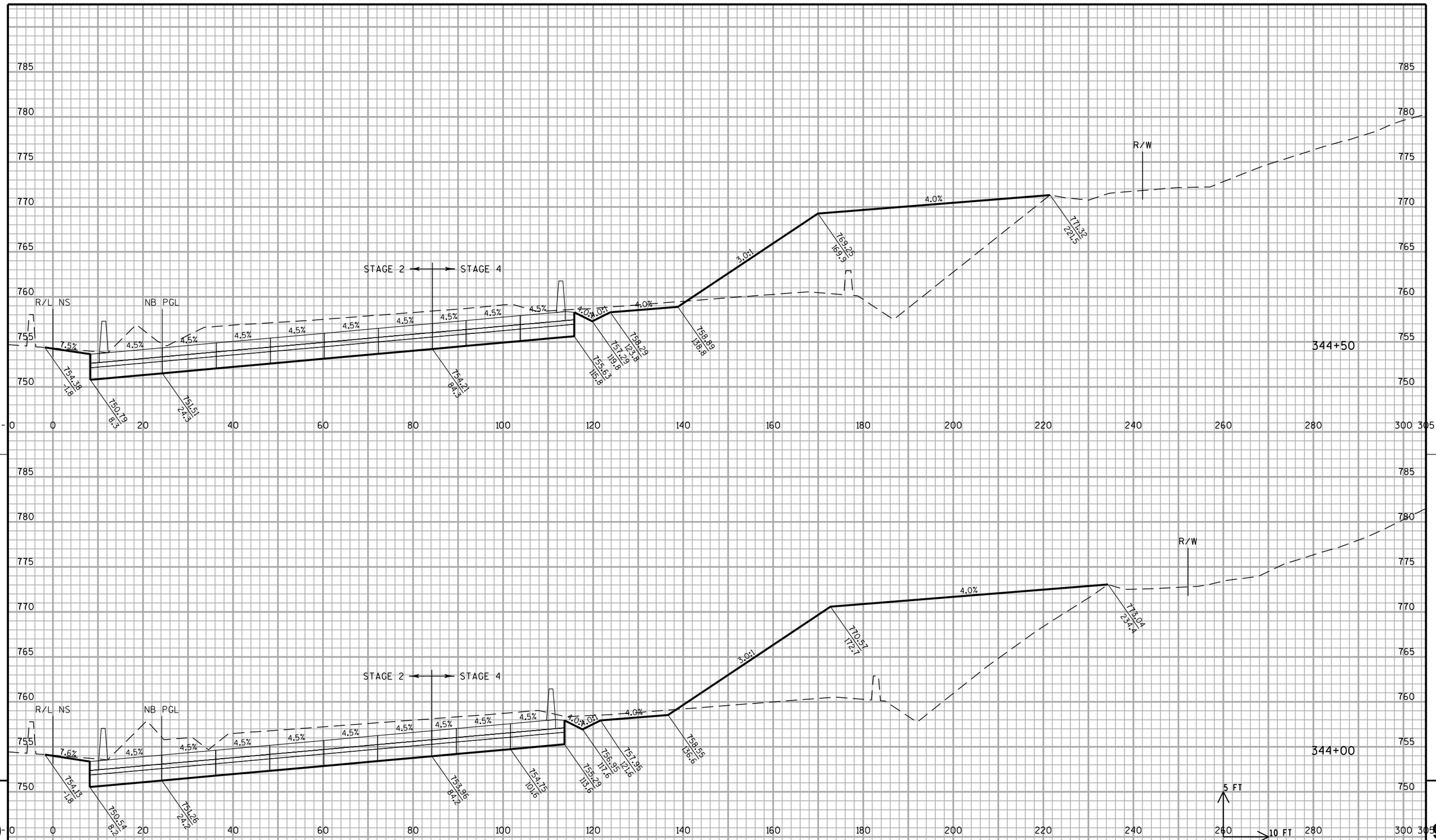
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n43 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

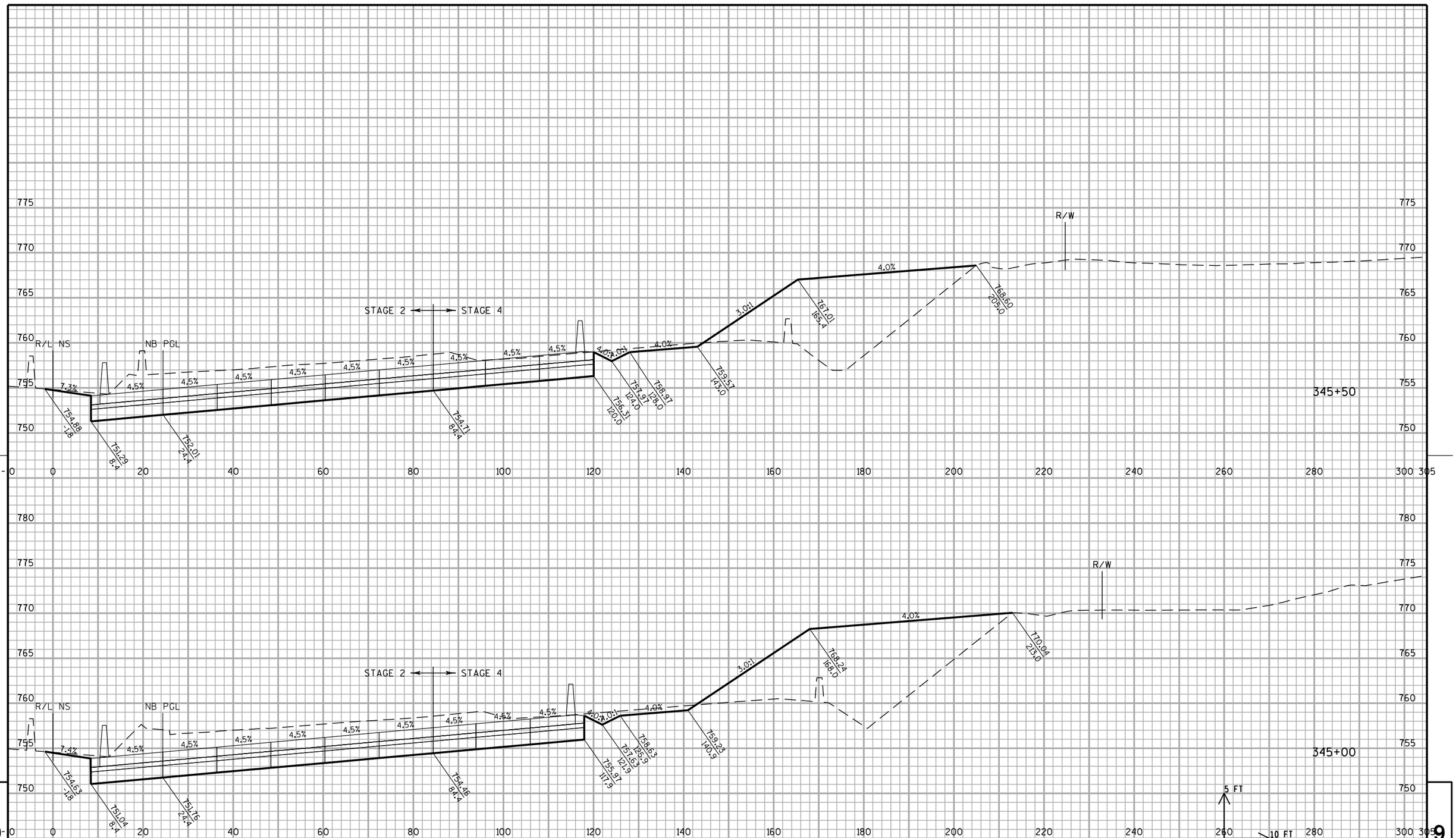


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

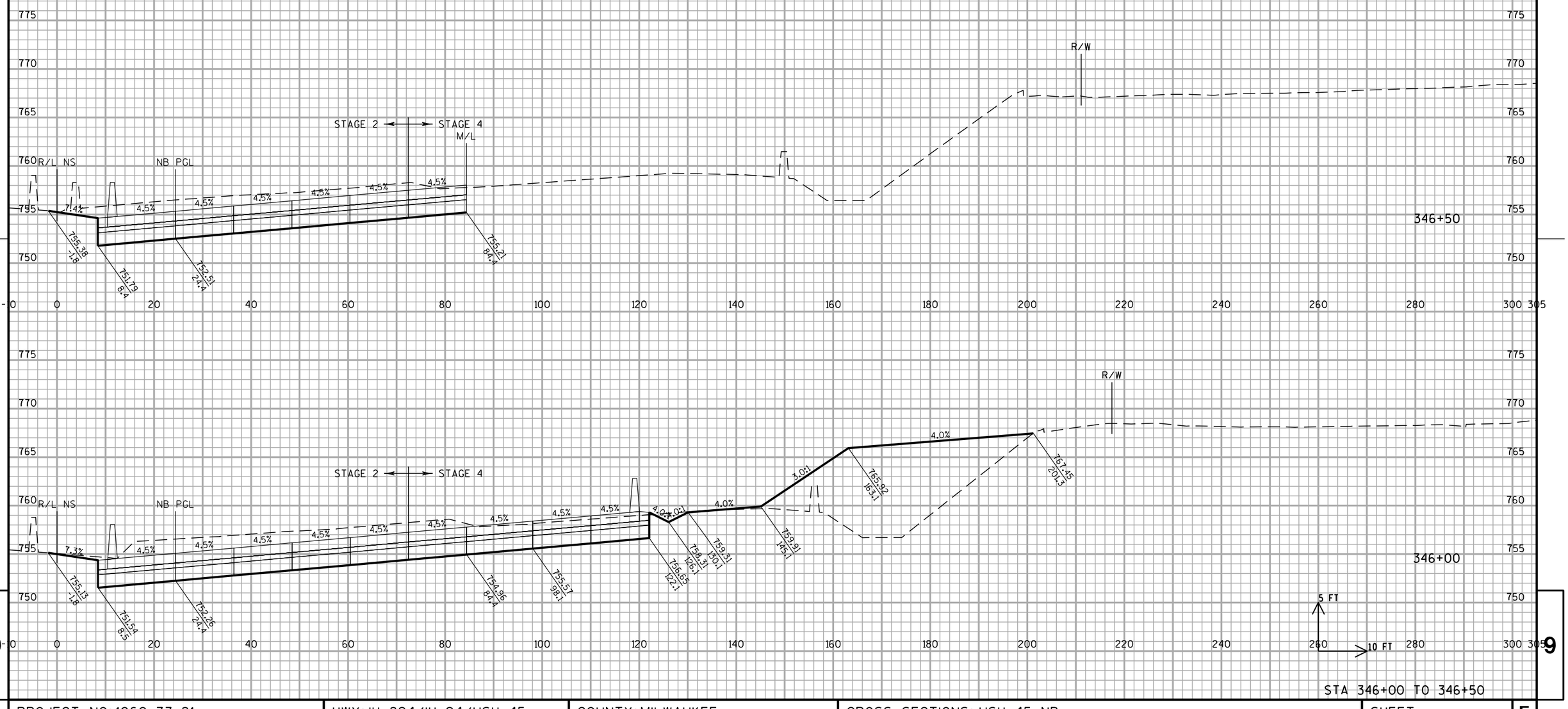
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n45 PLOT SCALE : 20:1



STA 345+00 TO 345+50

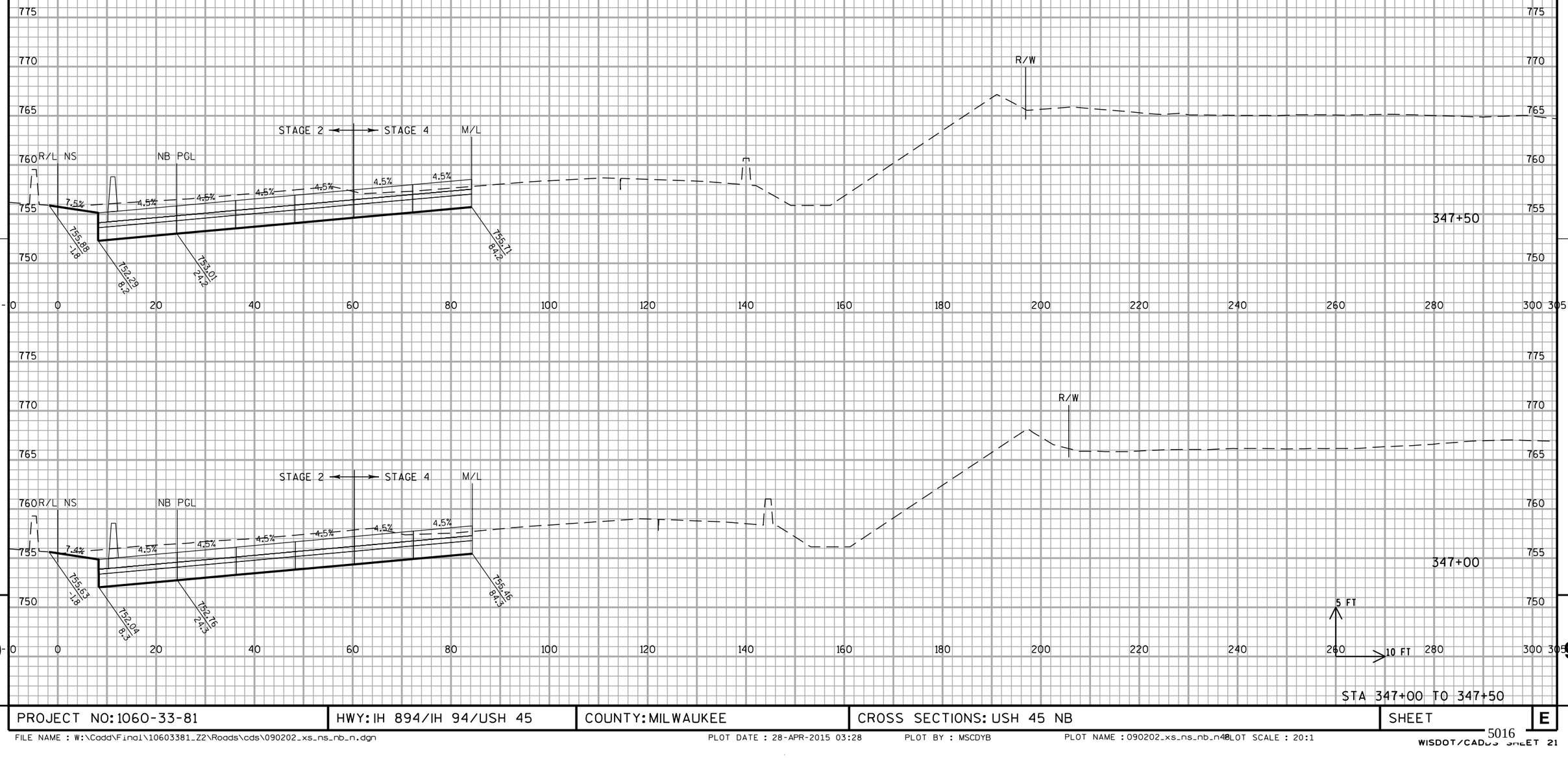
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n4b PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n4f PLOT SCALE : 20:1

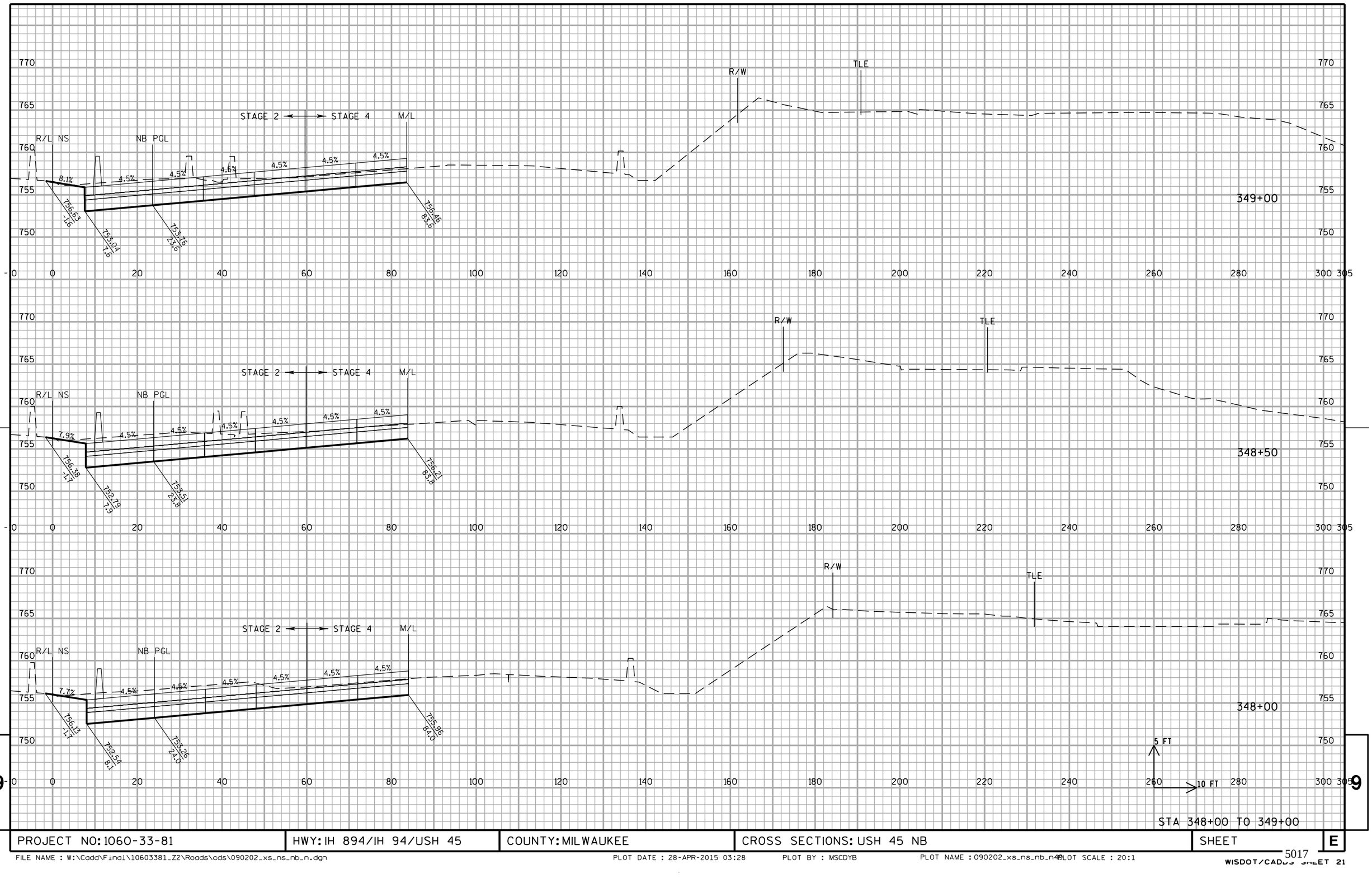


STA 347+00 TO 347+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n4 PLOT SCALE : 20:1

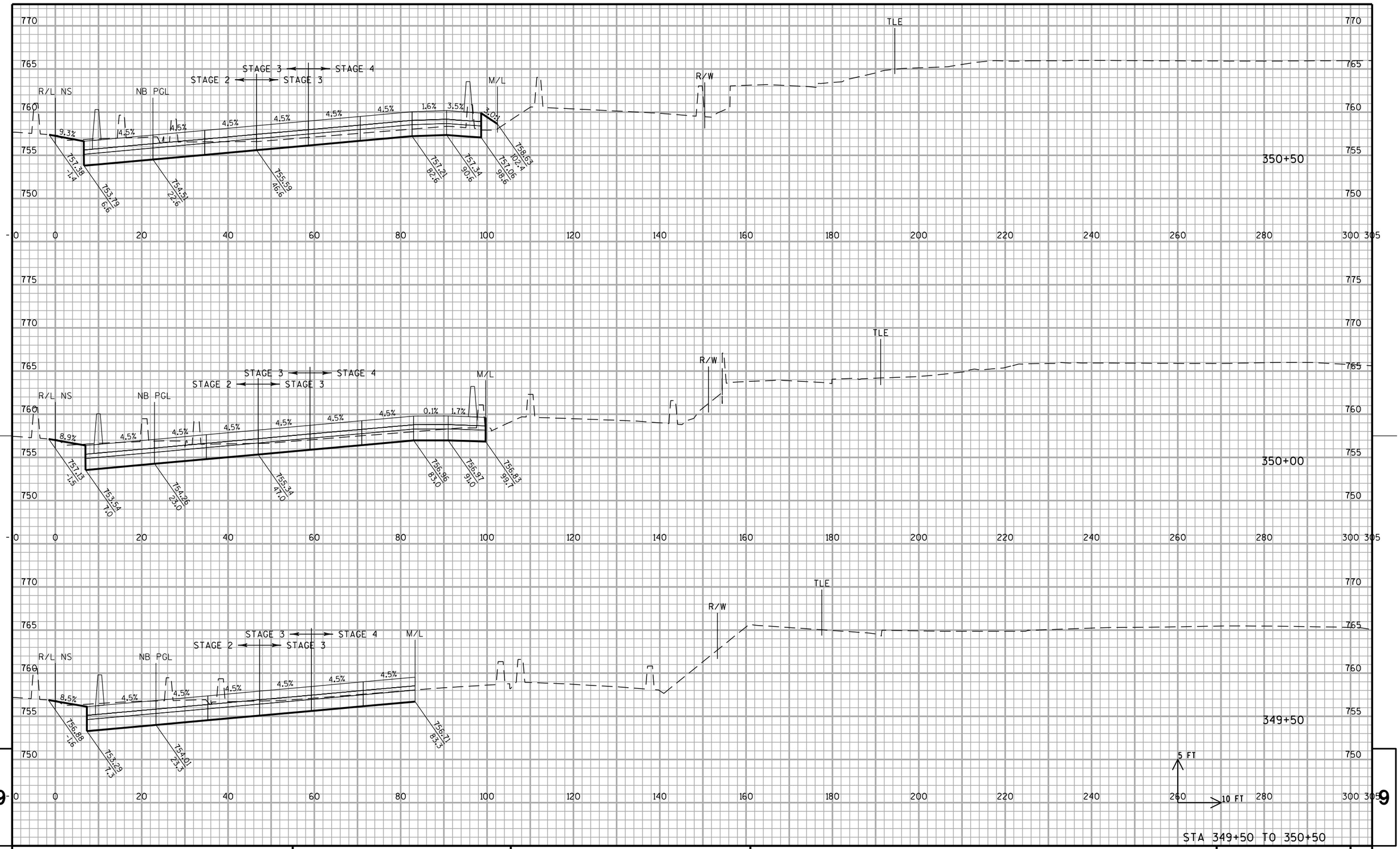
WISDOT/CADDS SHEET 21



STA 348+00 TO 349+00

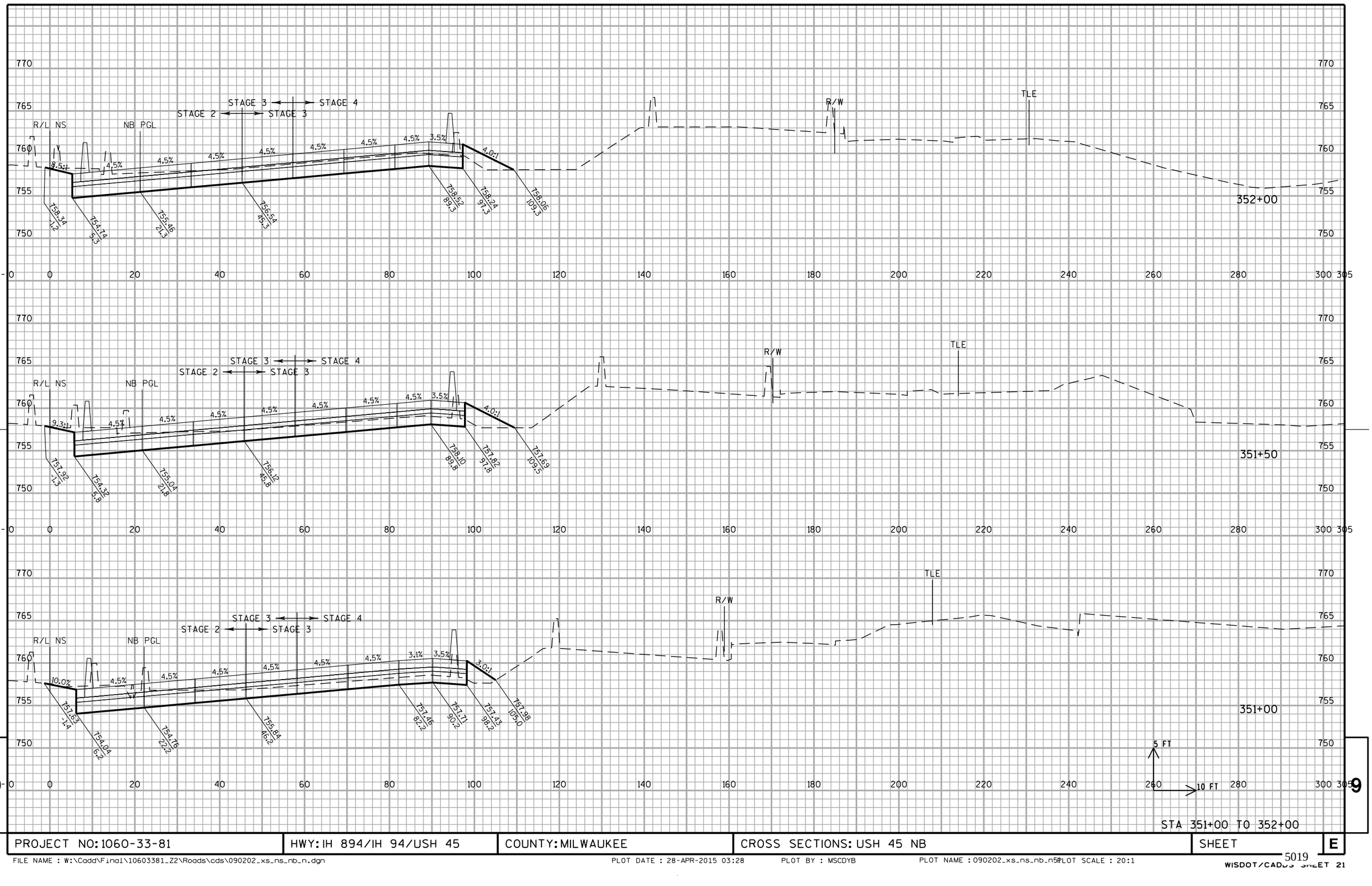
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n4 PLOT SCALE : 20:1



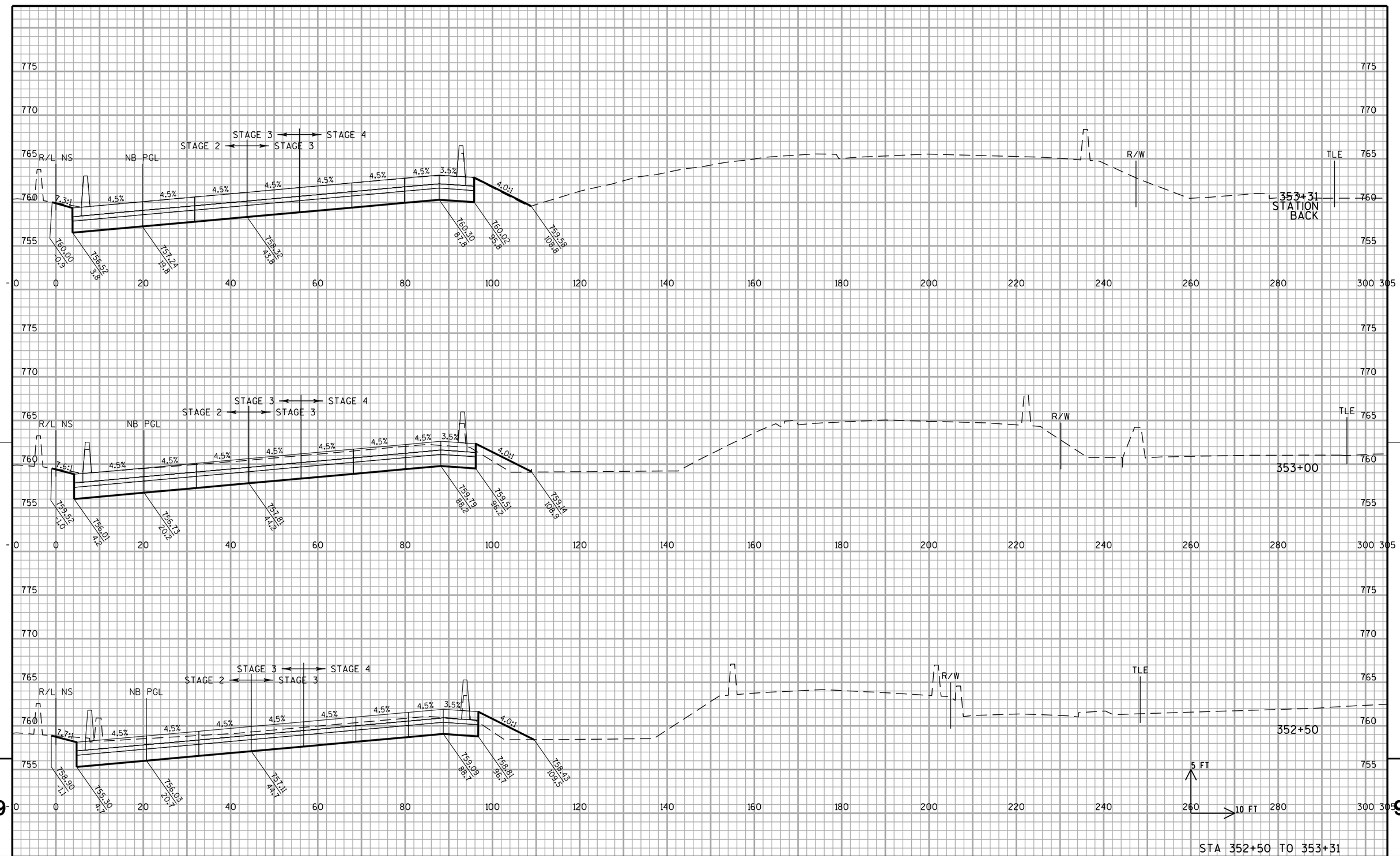
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n50 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET E

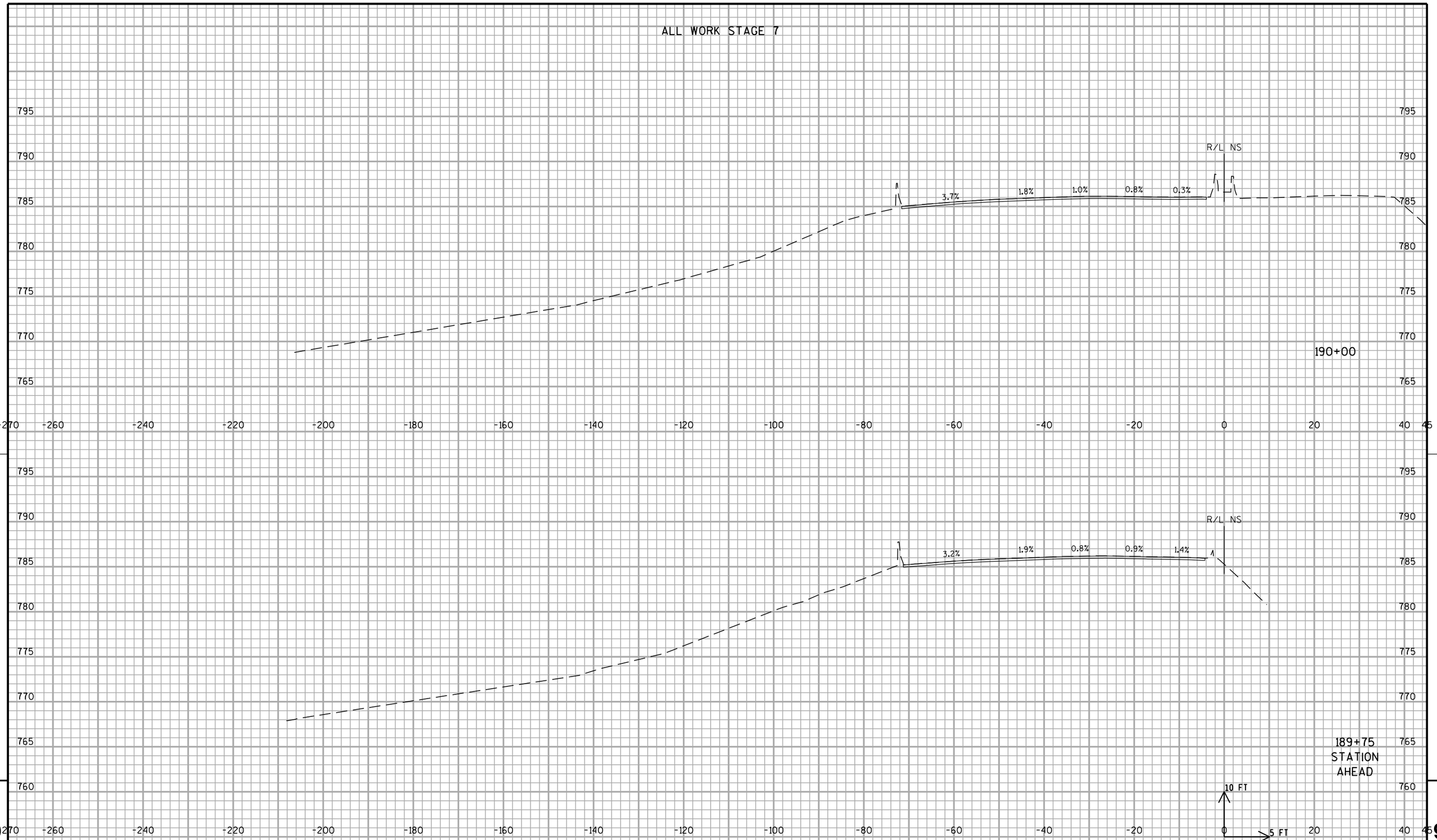
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090202_xs_ns_nb_n.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090202_xs_ns_nb_n5 PLOT SCALE : 20:1



STA 352+50 TO 353+31

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 NB	SHEET	E

ALL WORK STAGE 7



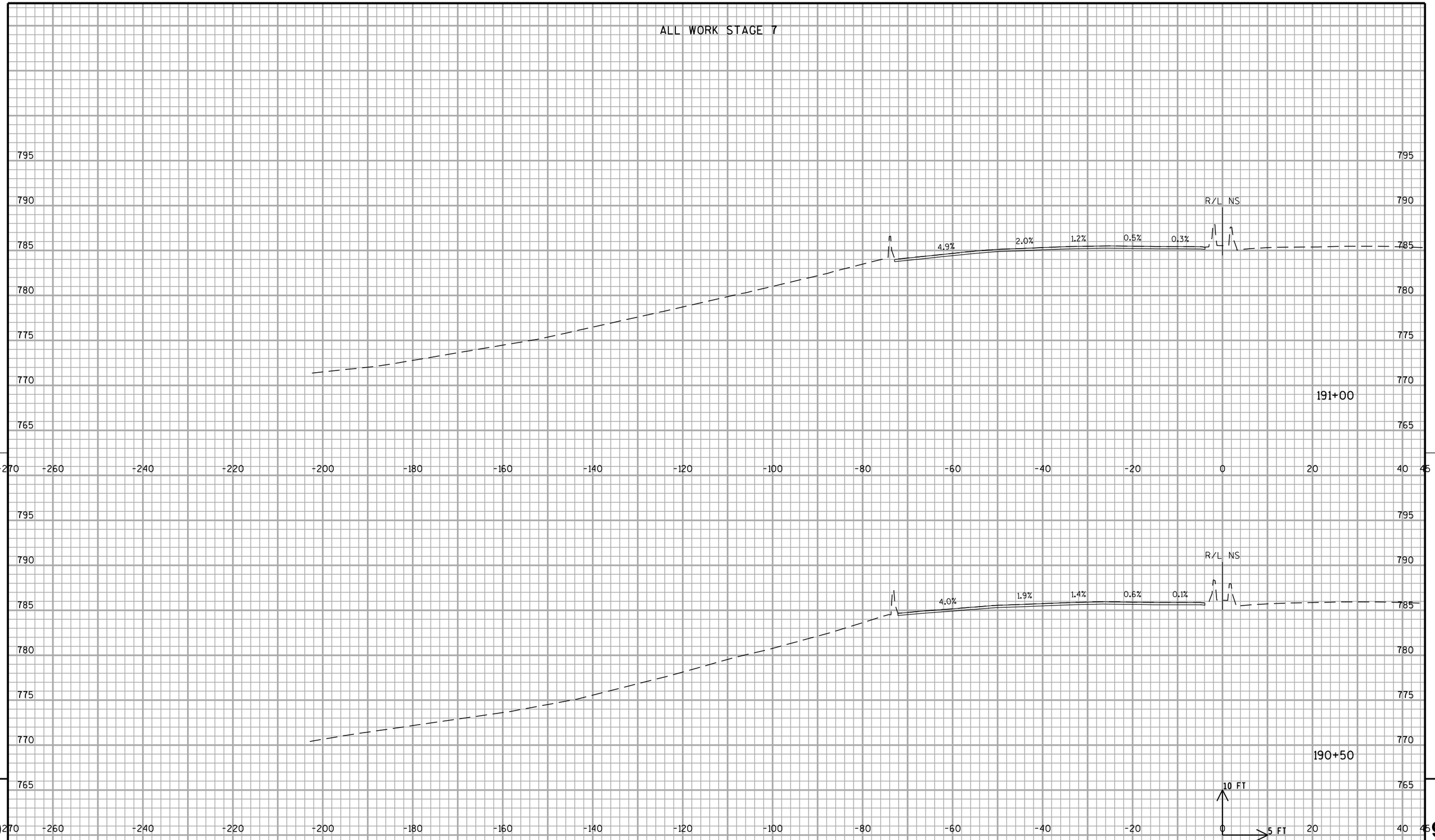
STA 189+75 TO 190+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7

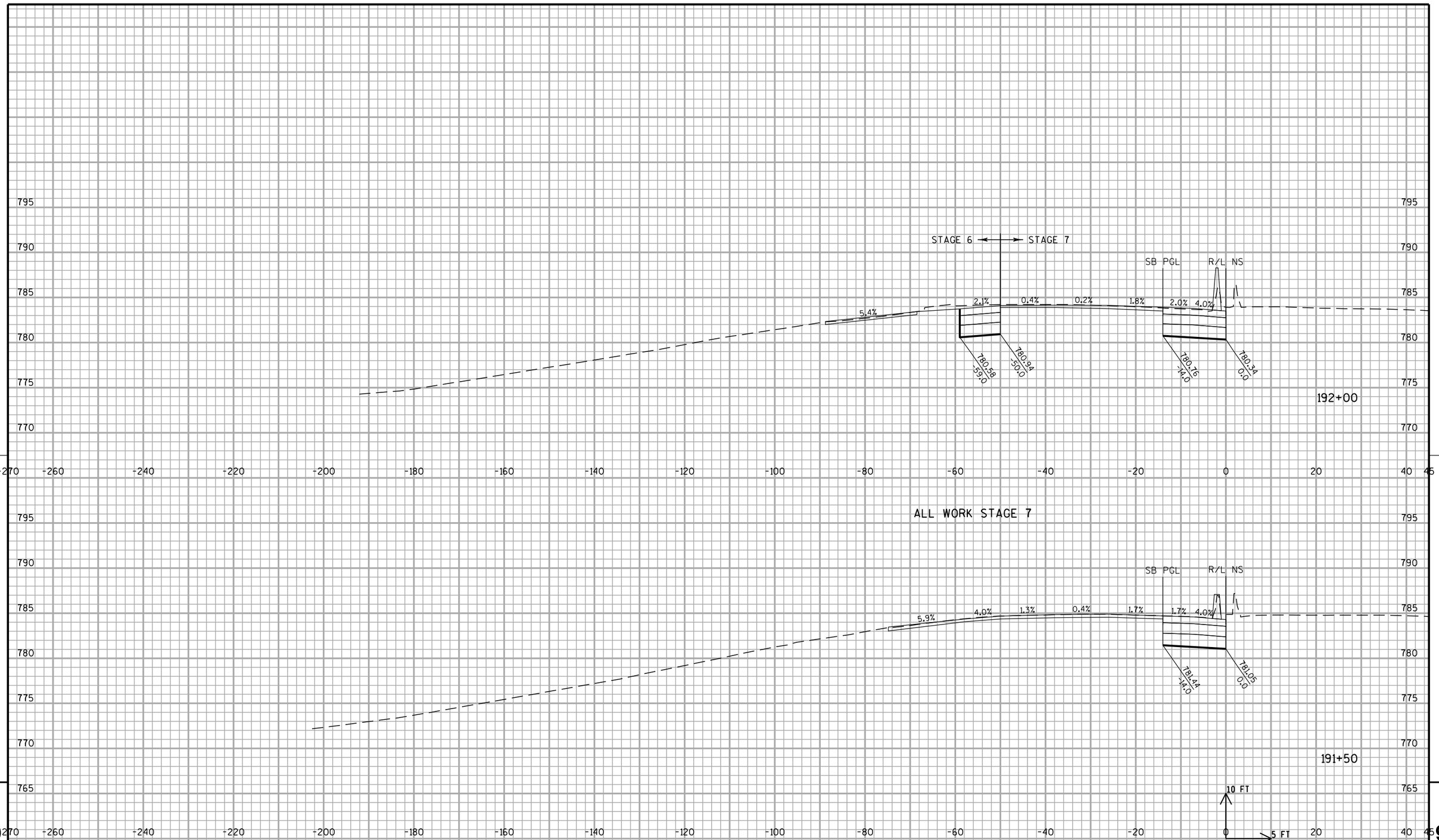


STA 190+50 TO 191+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

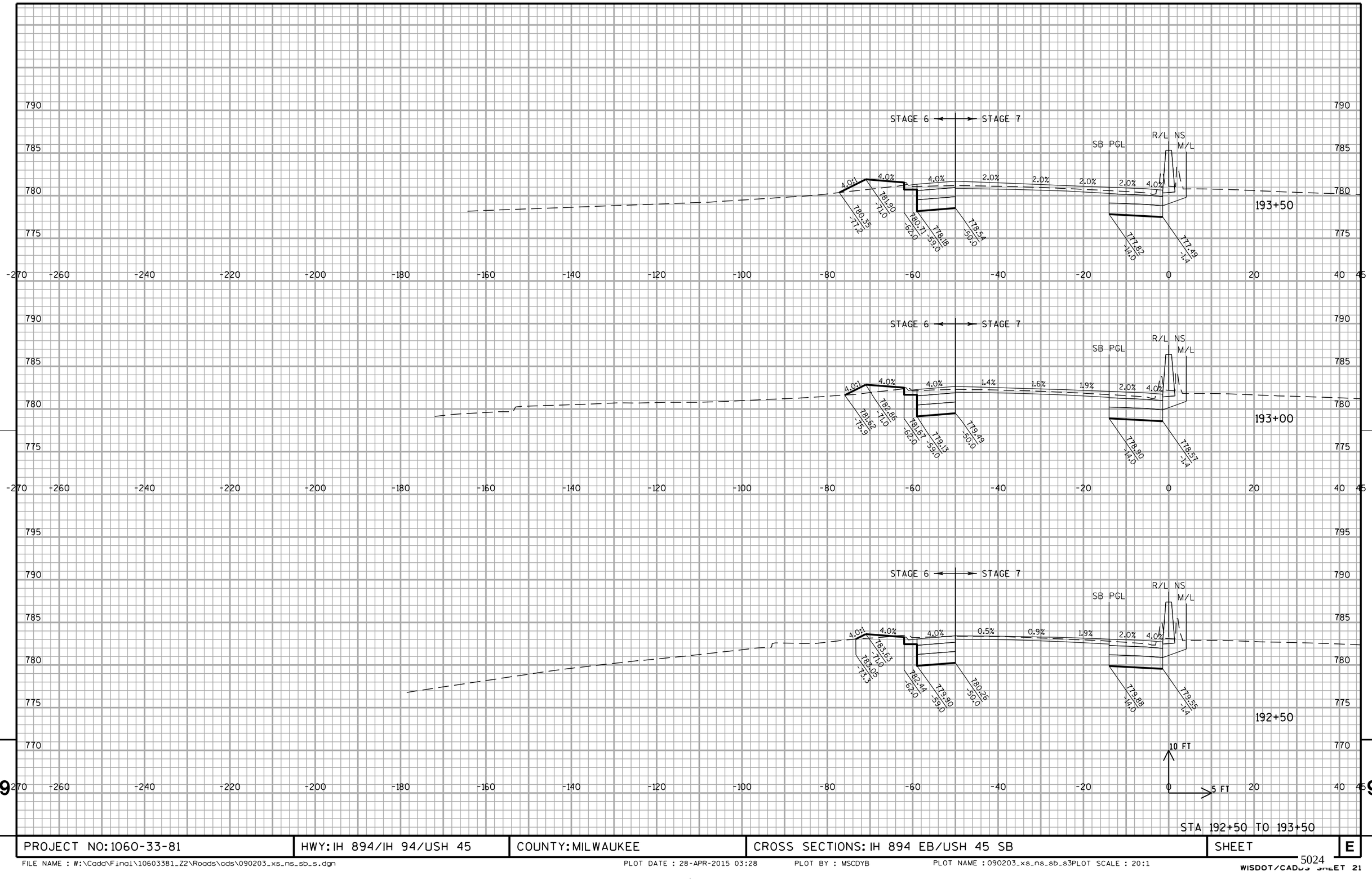
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WISDOT/CADDS SHEET 21



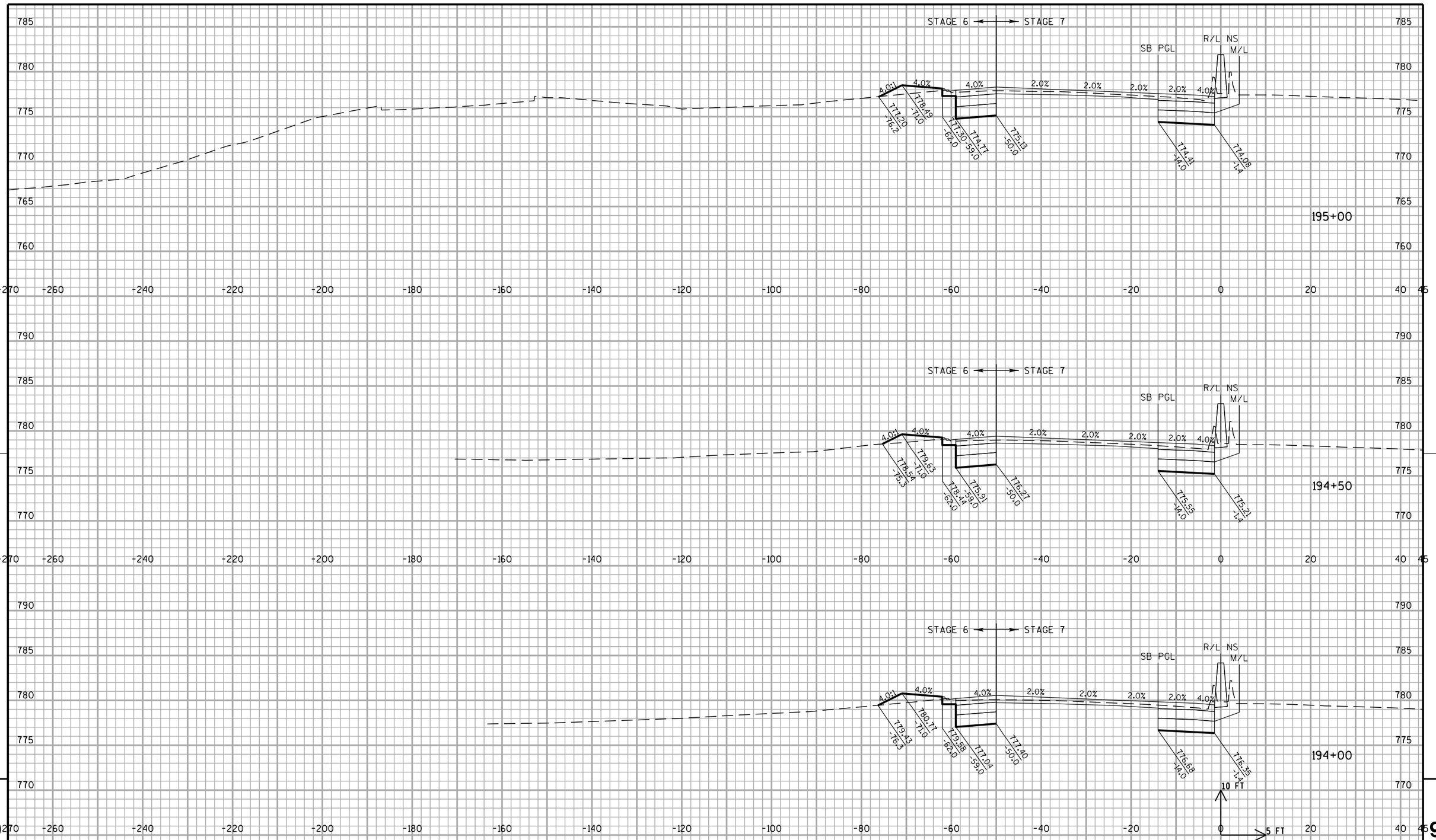
STA 191+50 TO 192+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

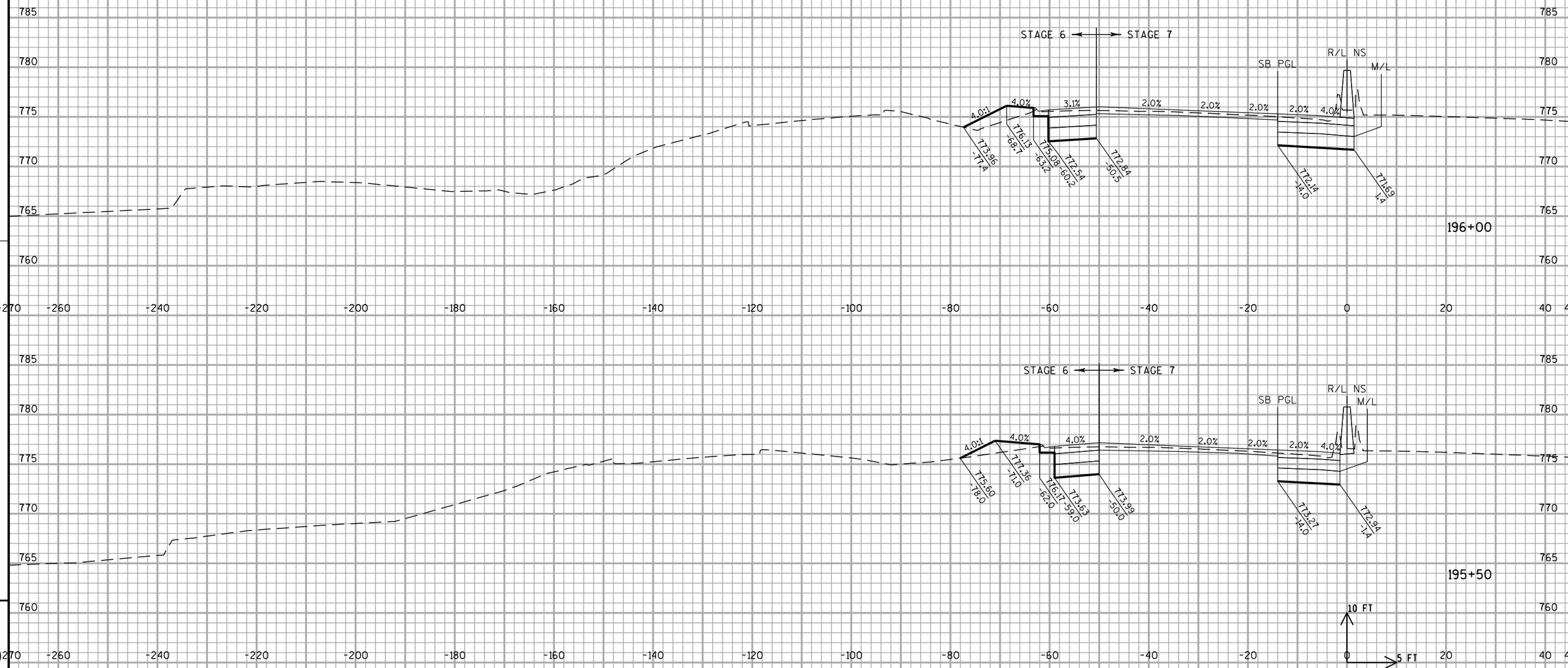


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3PLOT SCALE : 20:1



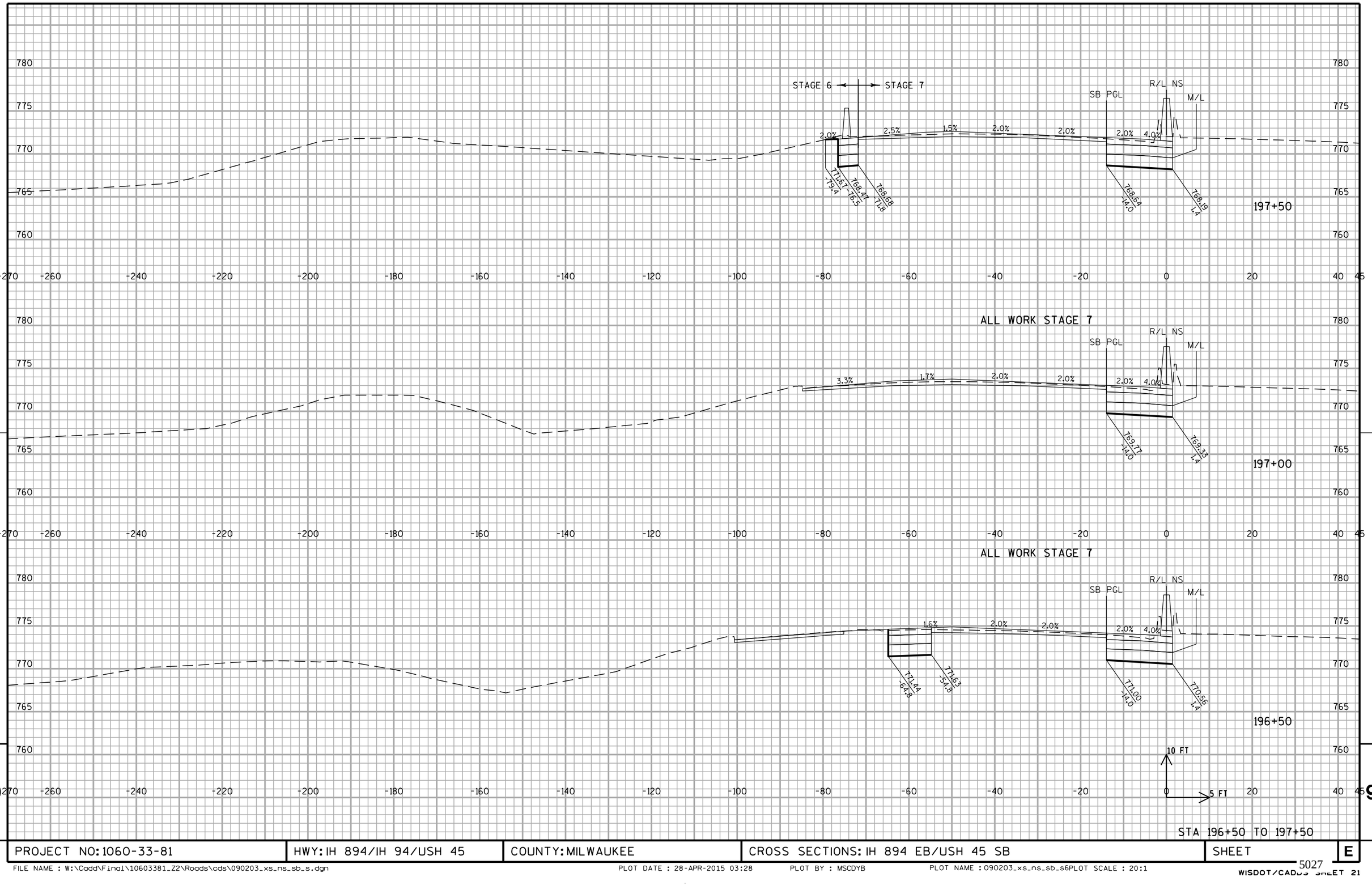
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET E

STA 195+50 TO 196+00

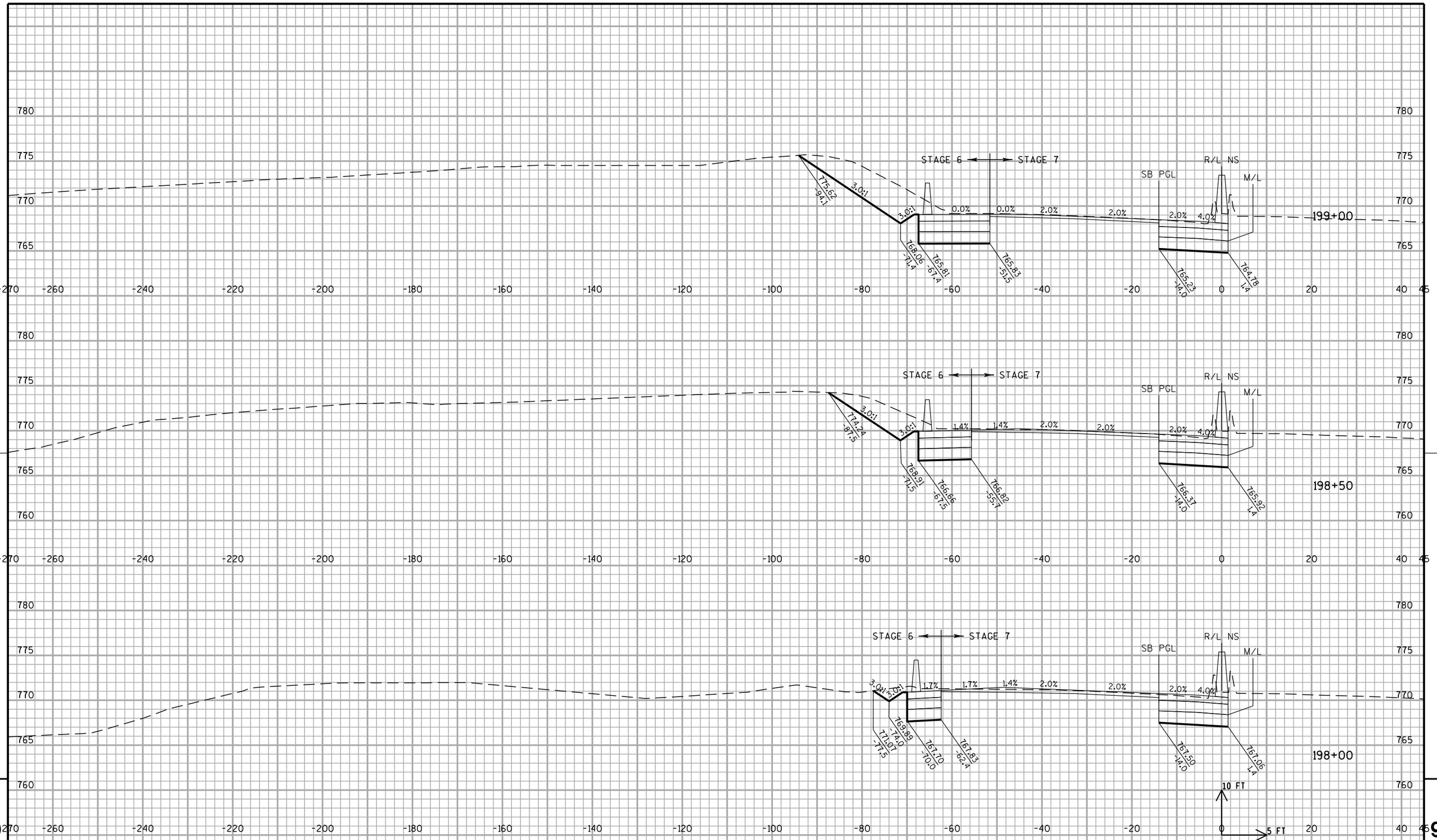
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s5PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 196+50 TO 197+50

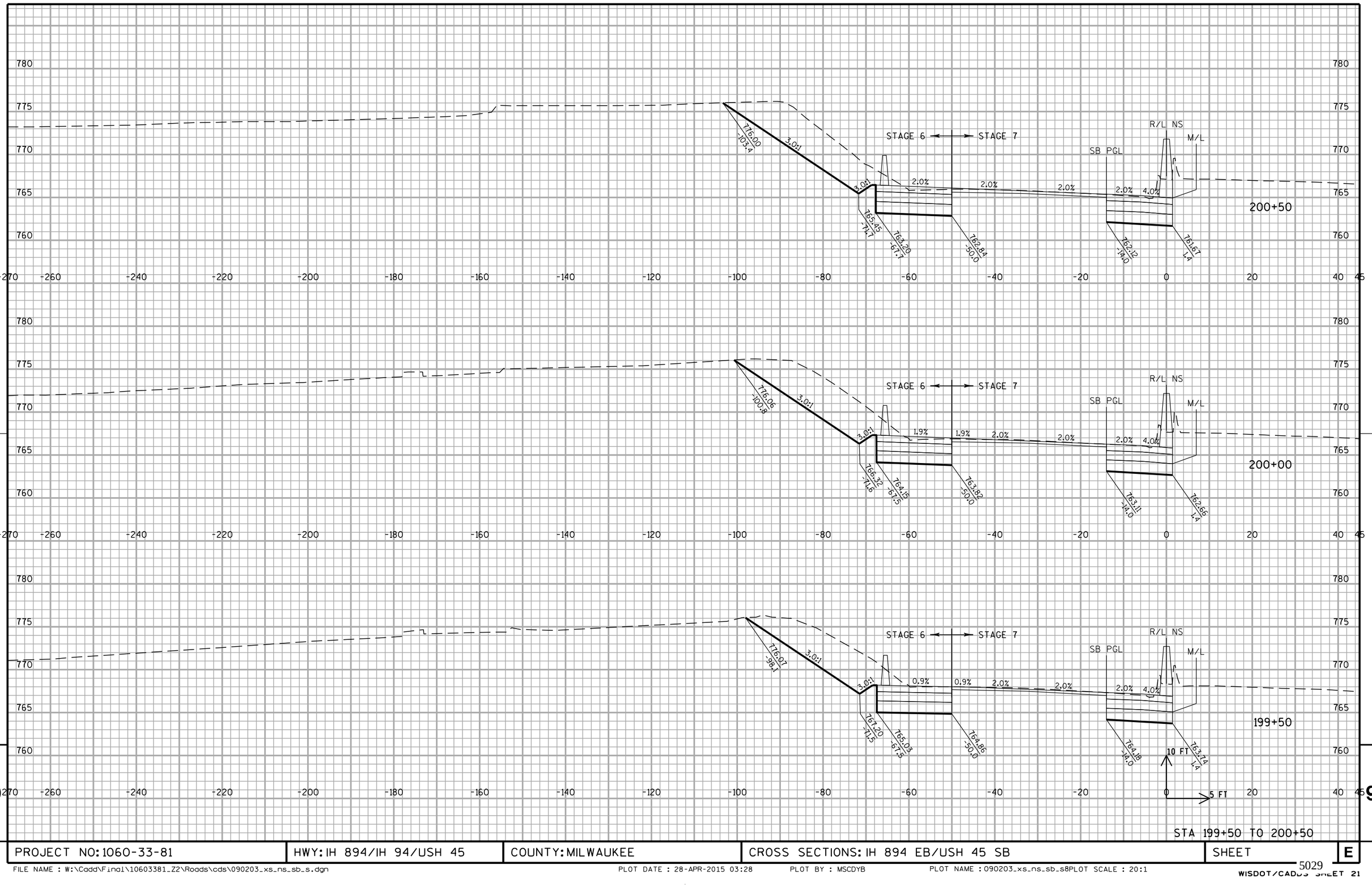
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s6PLOT SCALE : 20:1



STA 198+00 TO 199+00

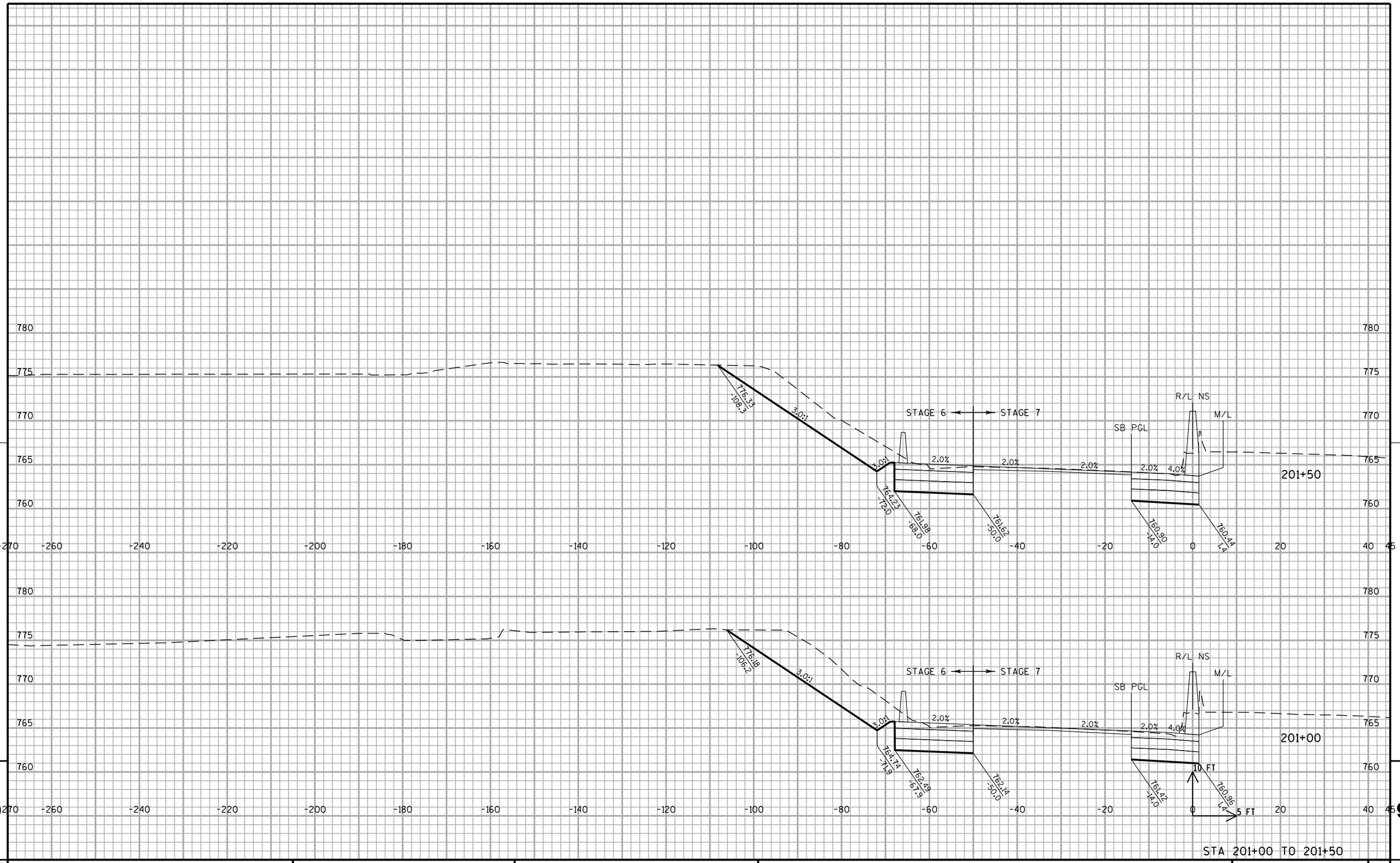
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



STA 199+50 TO 200+50

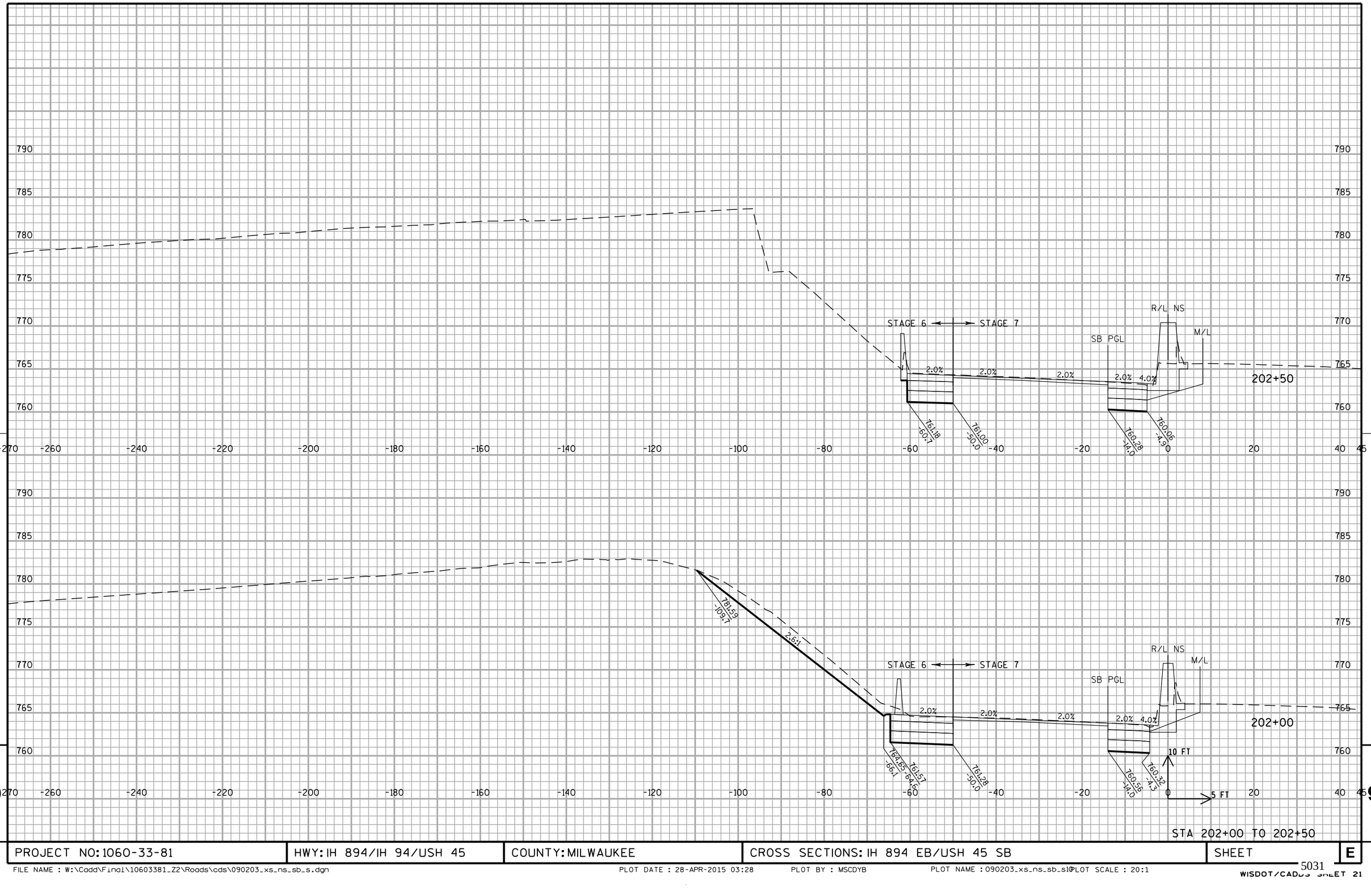
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s8PLOT SCALE : 20:1



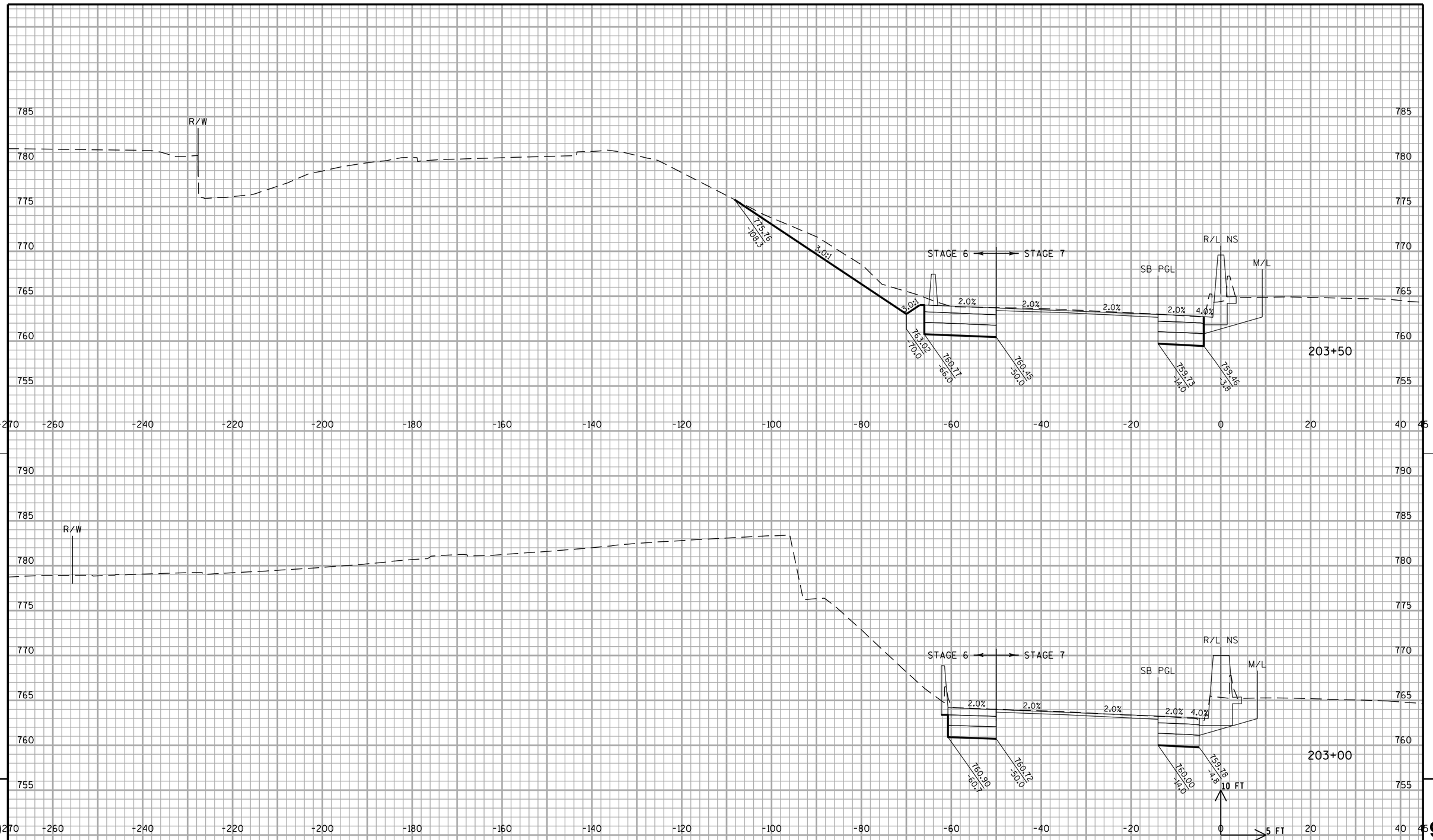
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s9PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

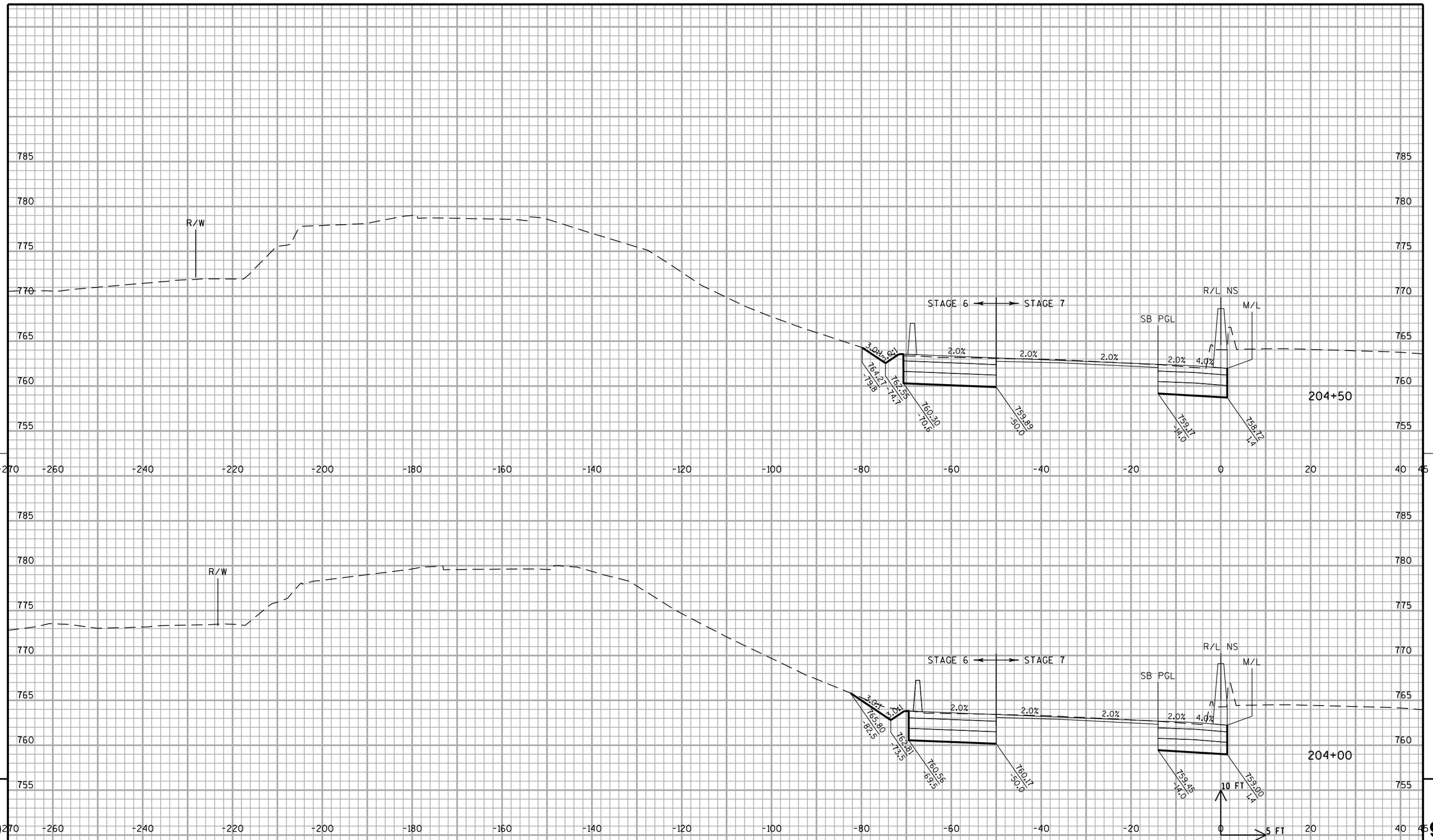
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1



STA 203+00 TO 203+50

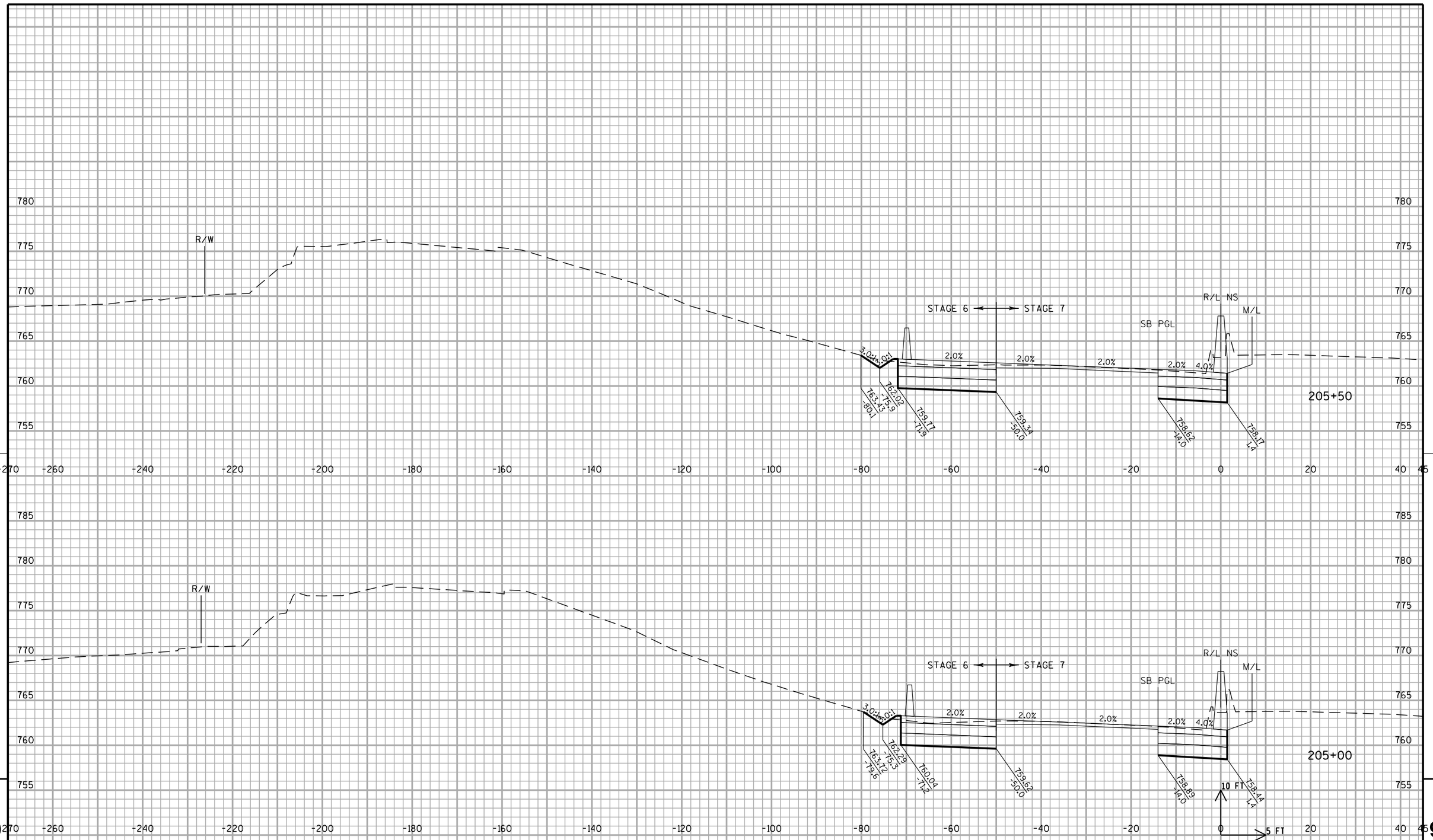
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1



STA 204+00 TO 204+50

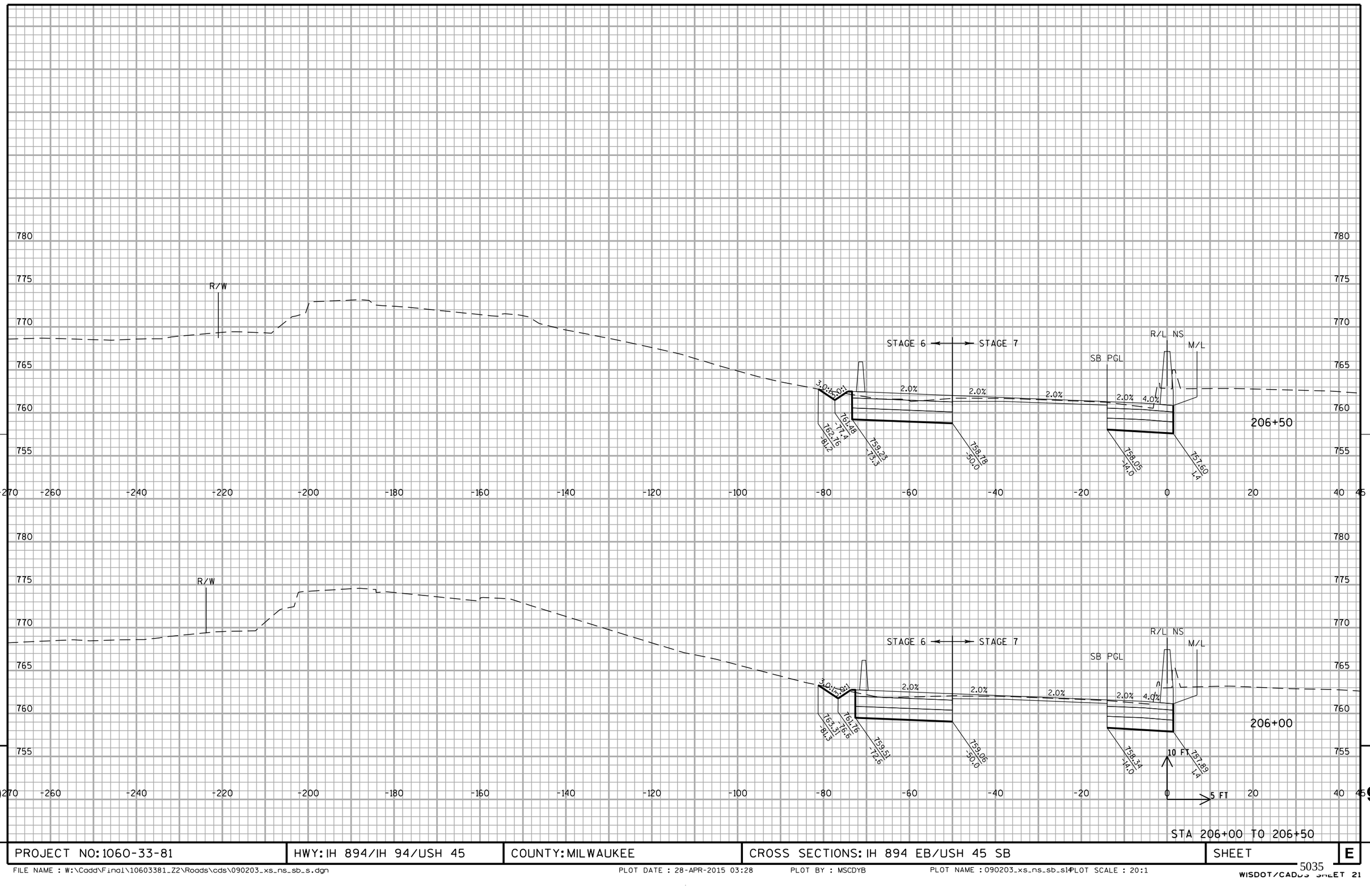
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



STA 205+00 TO 205+50

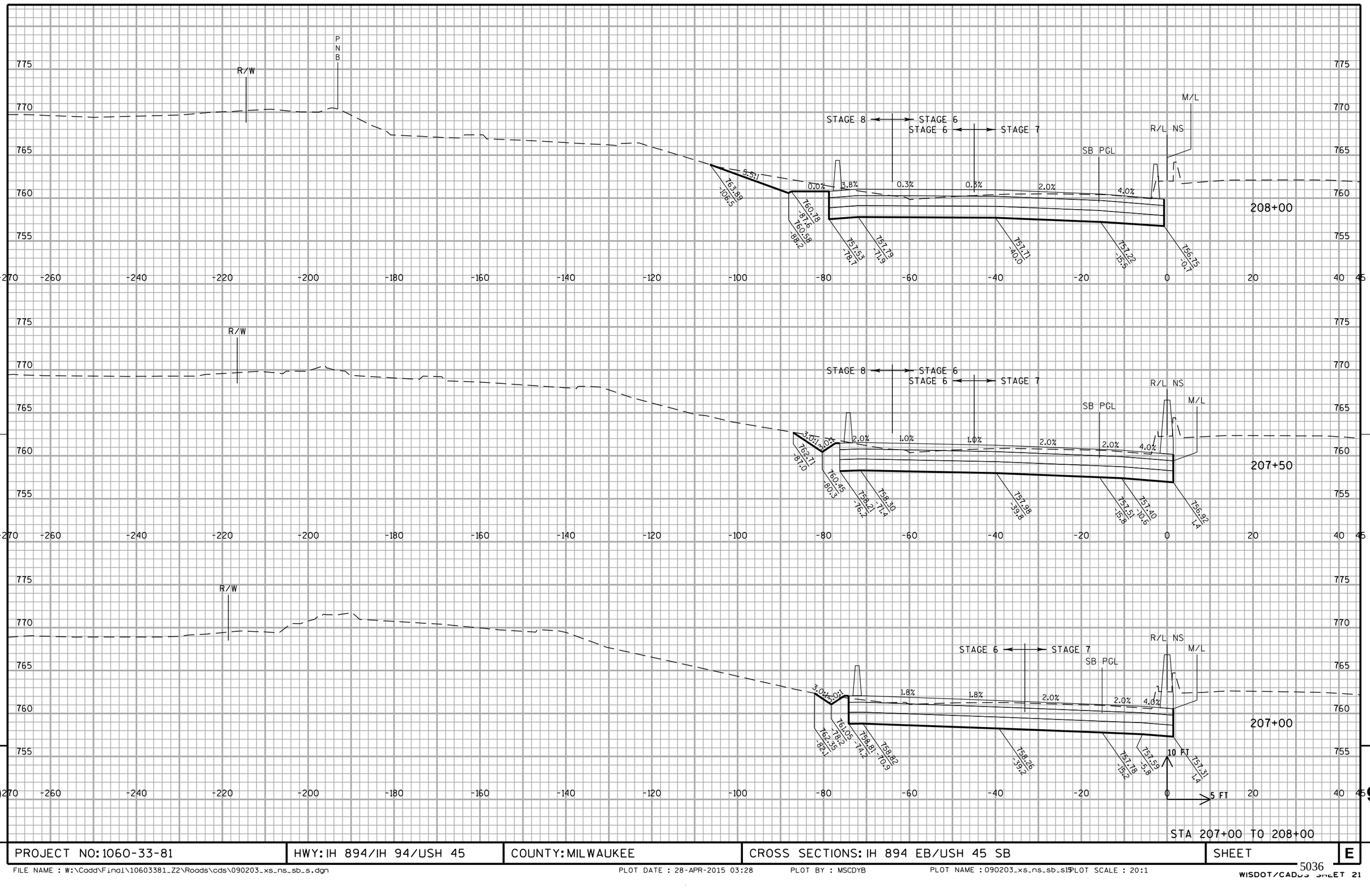
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1



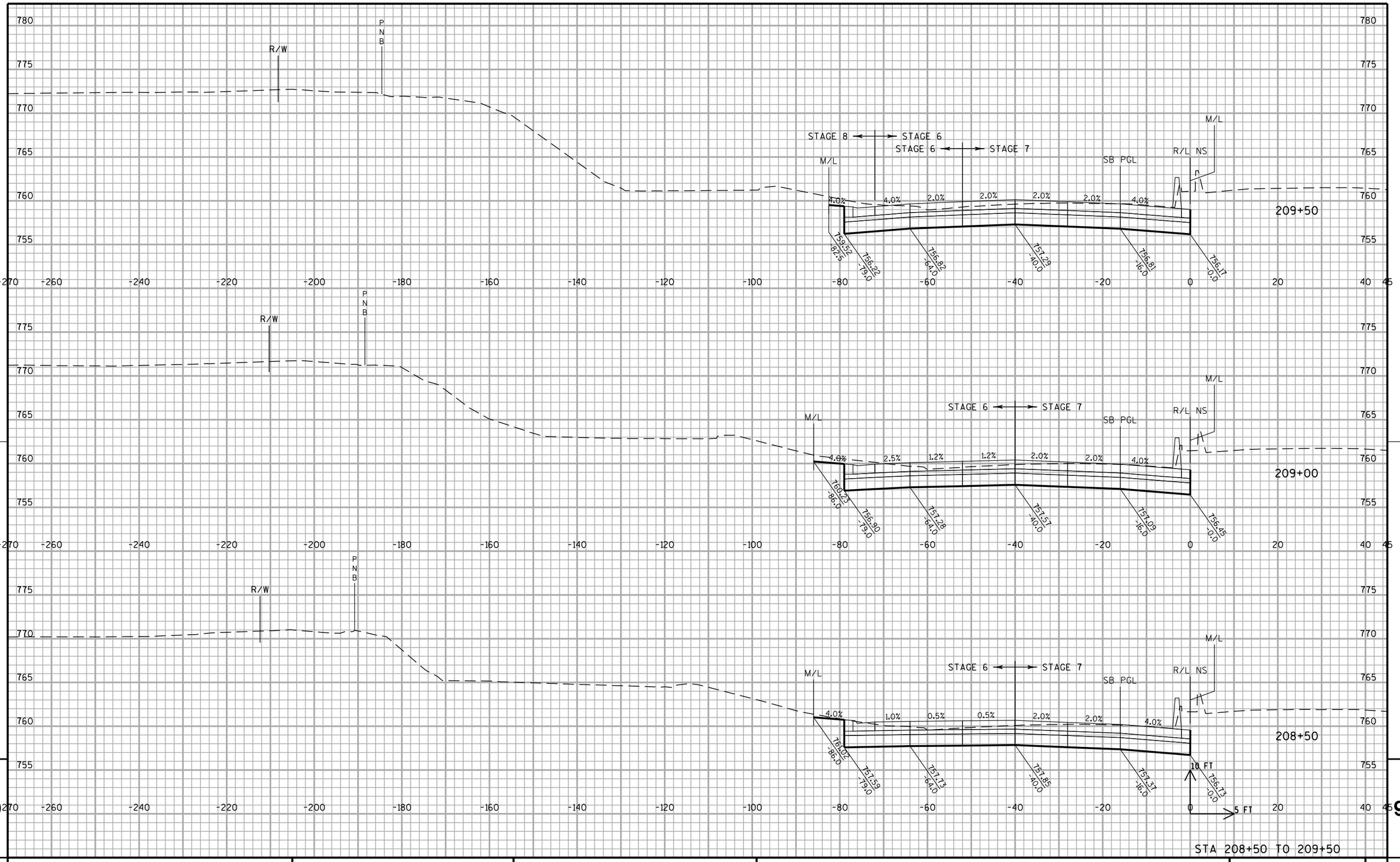
STA 206+00 TO 206+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



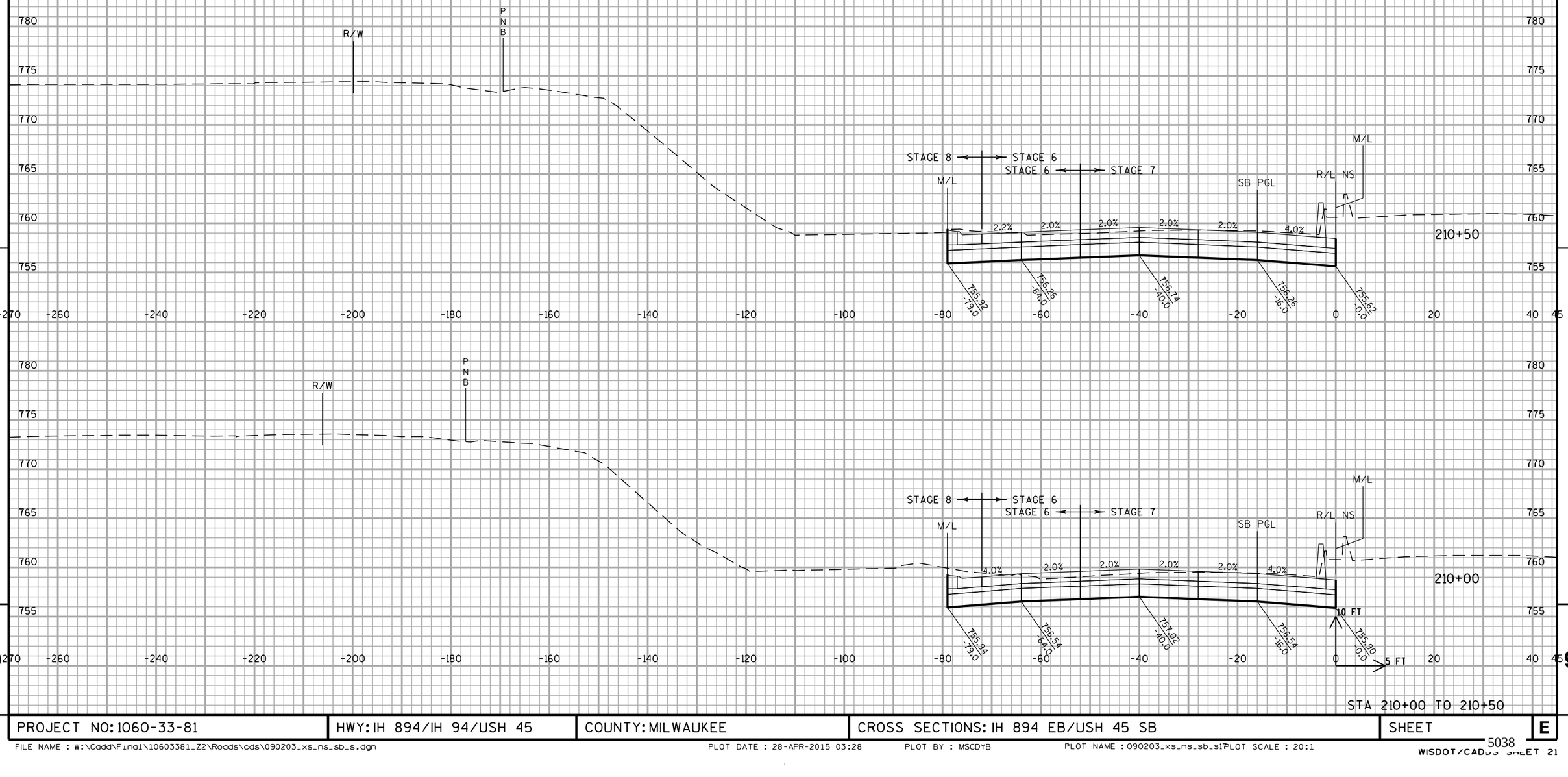
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1



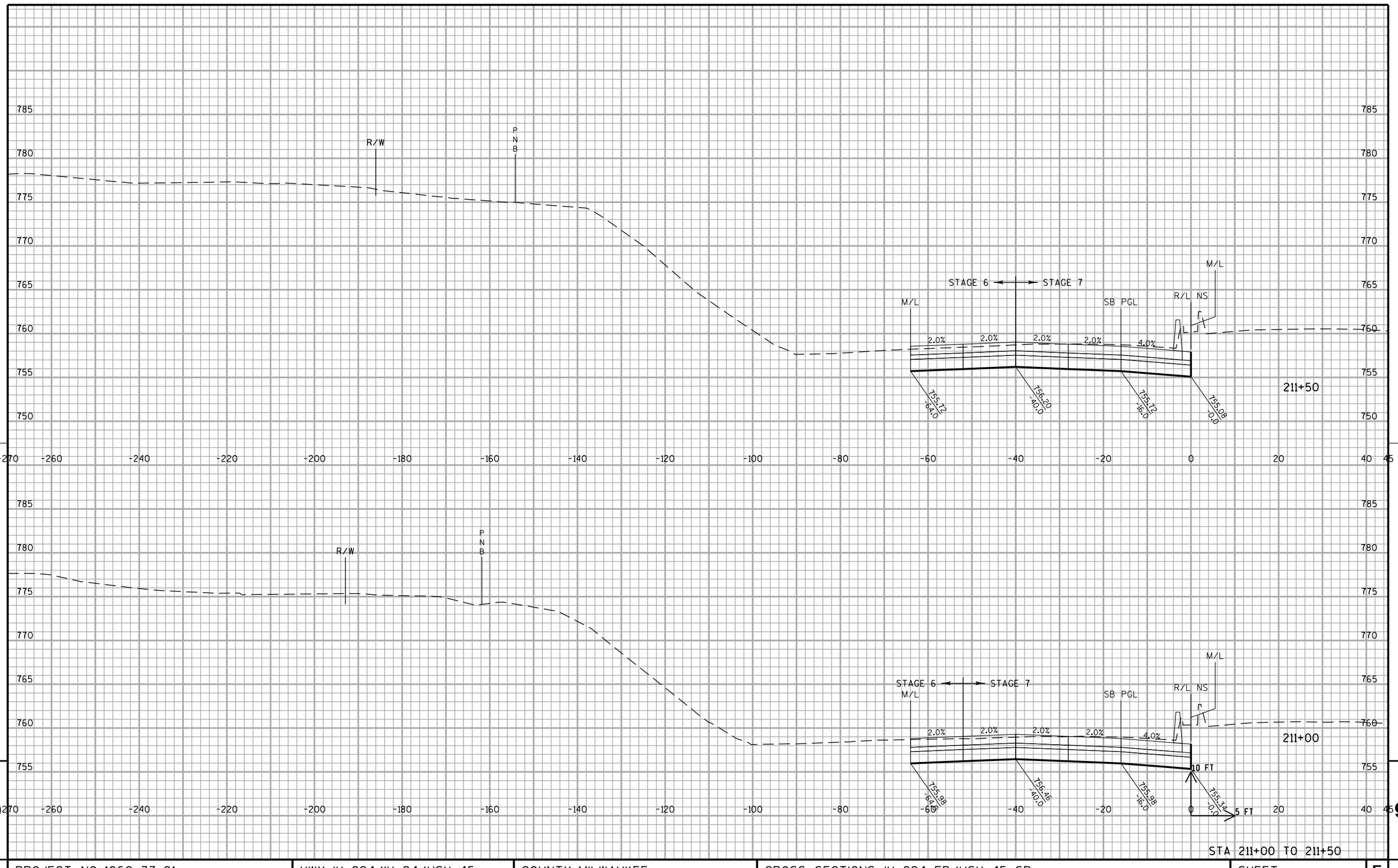
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn
PLOT DATE : 28-APR-2015 03:28
PLOT BY : MSCDYB
PLOT NAME : 090203_xs_ns_sb_s1
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

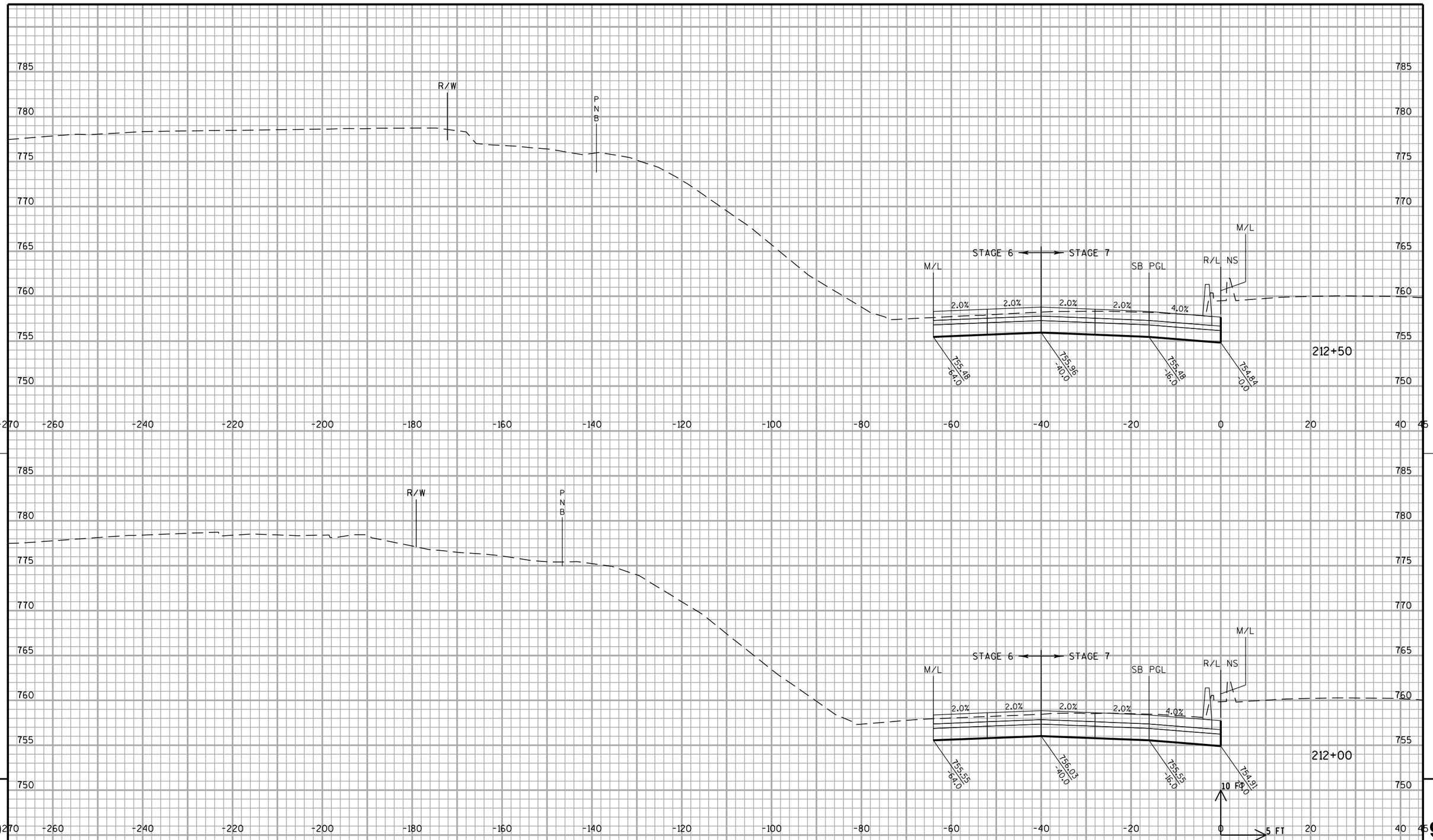


STA 210+00 TO 210+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



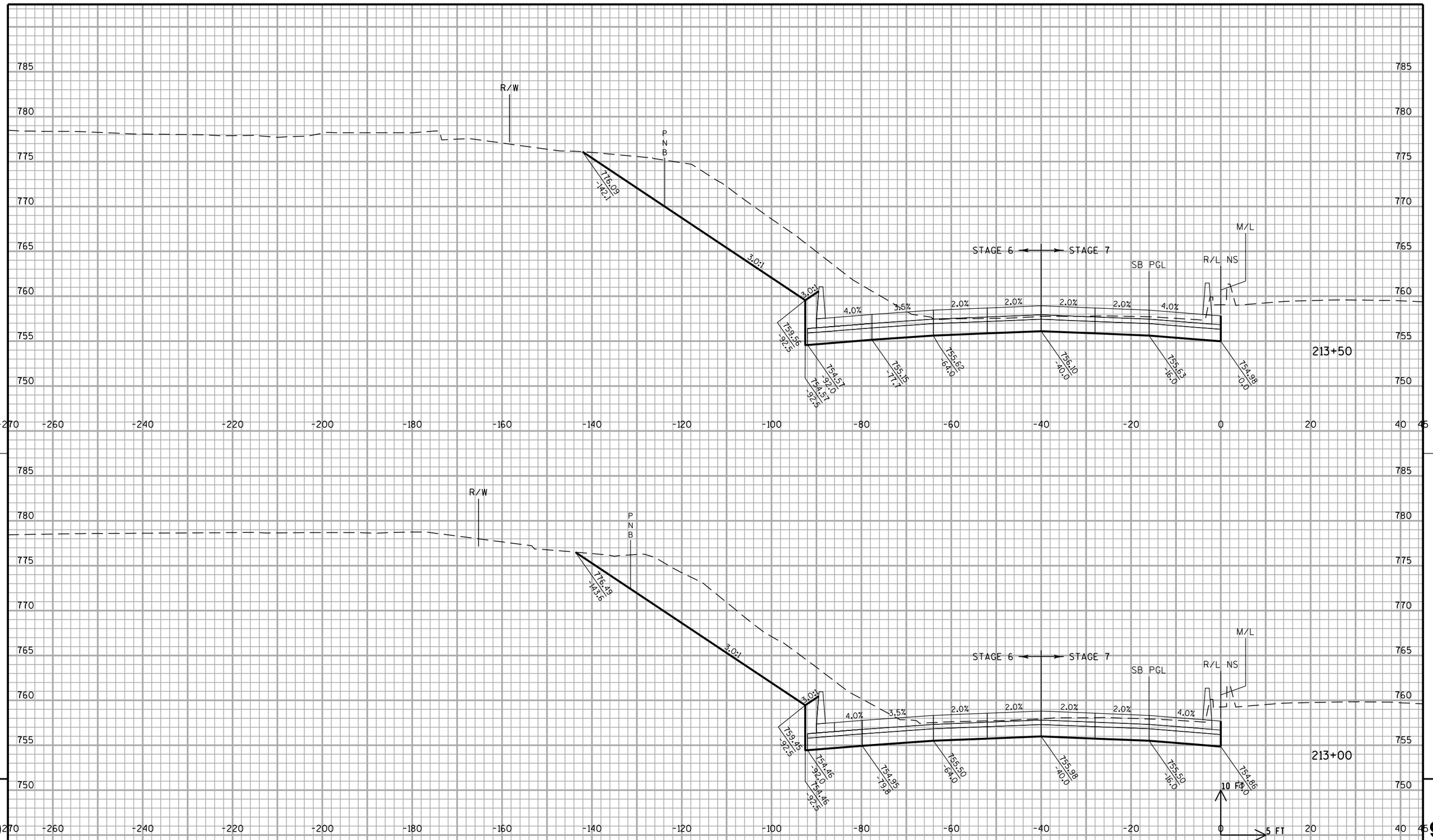
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



STA 212+00 TO 212+50

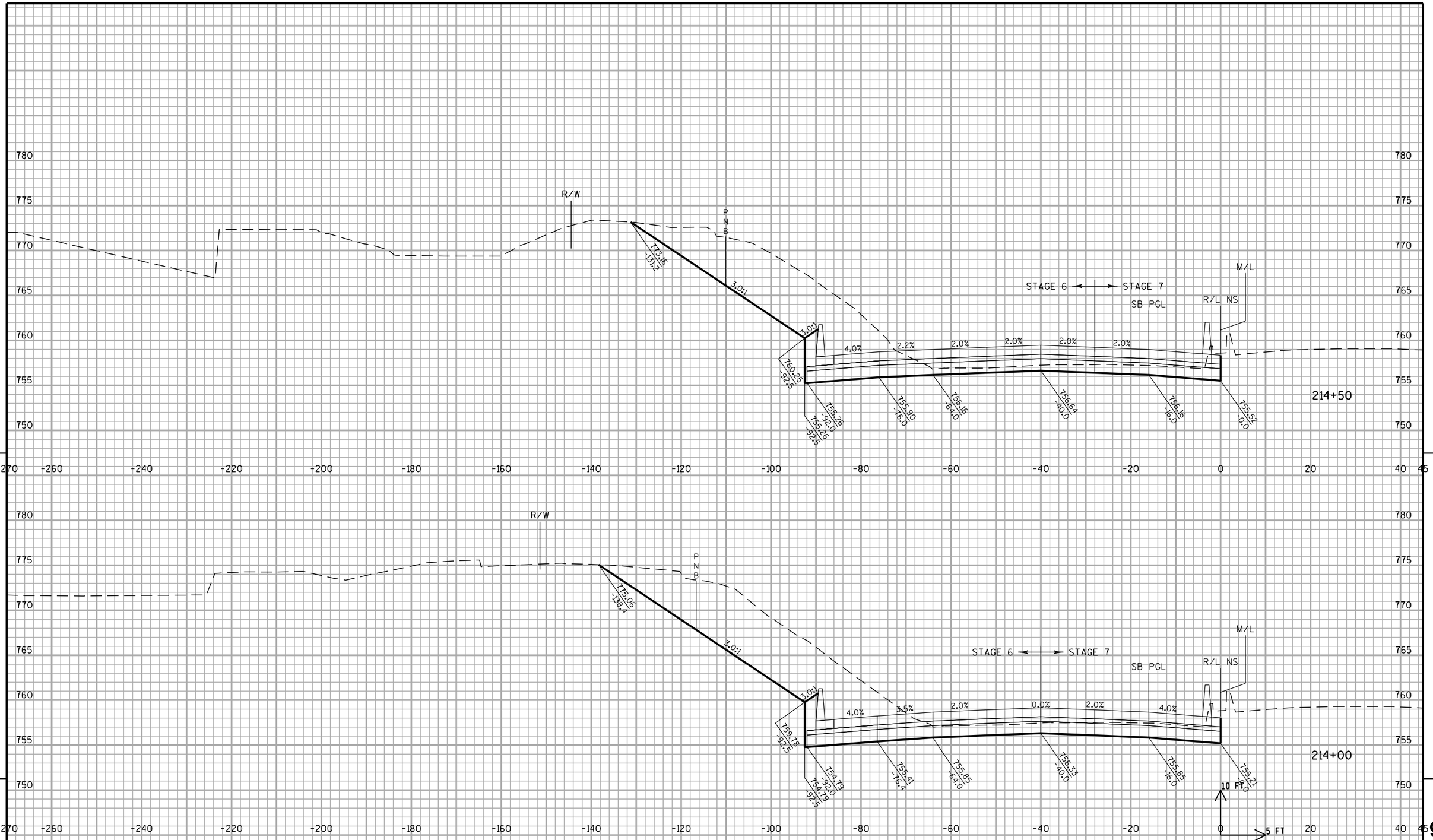
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1



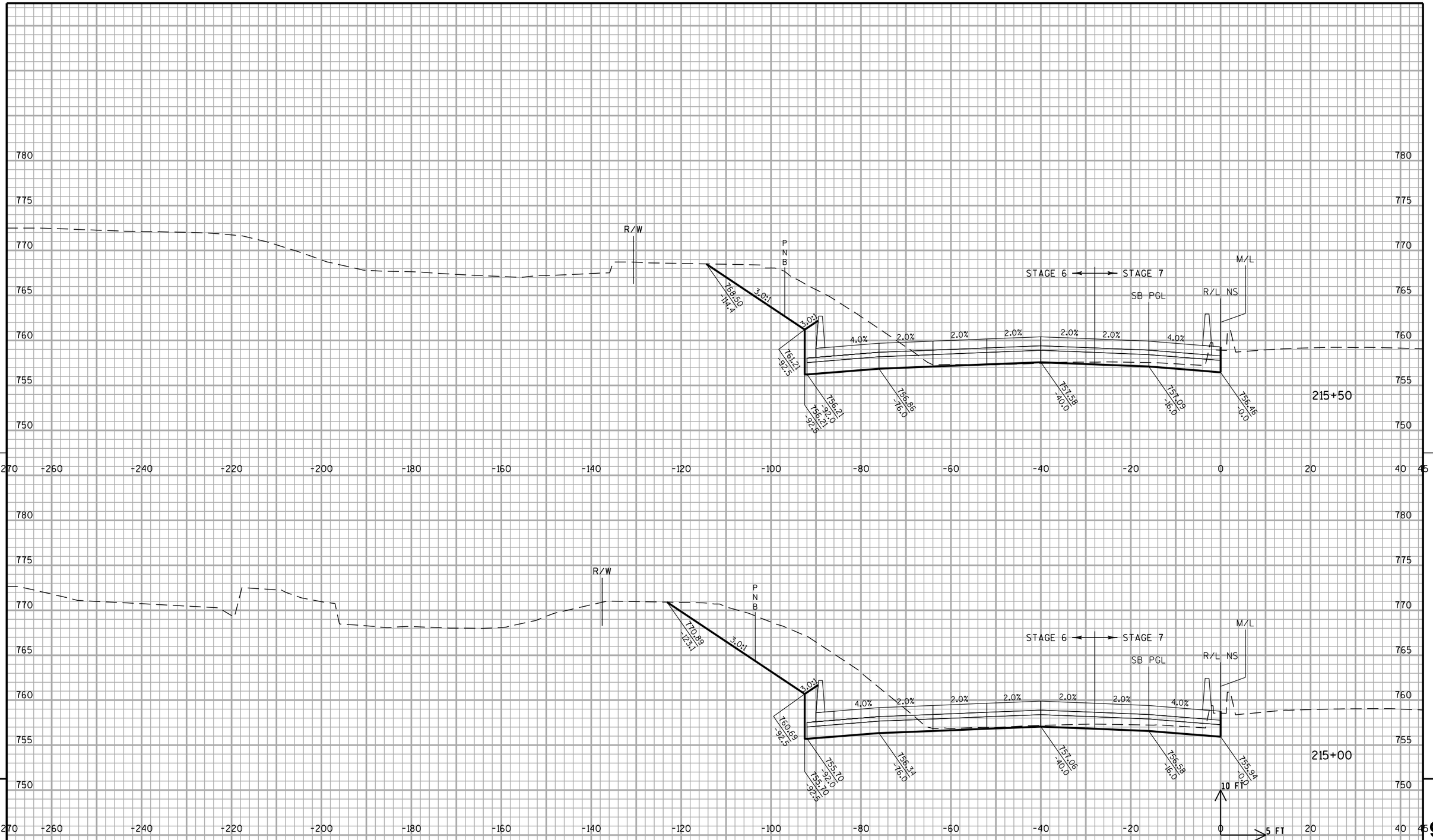
STA 213+00 TO 213+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



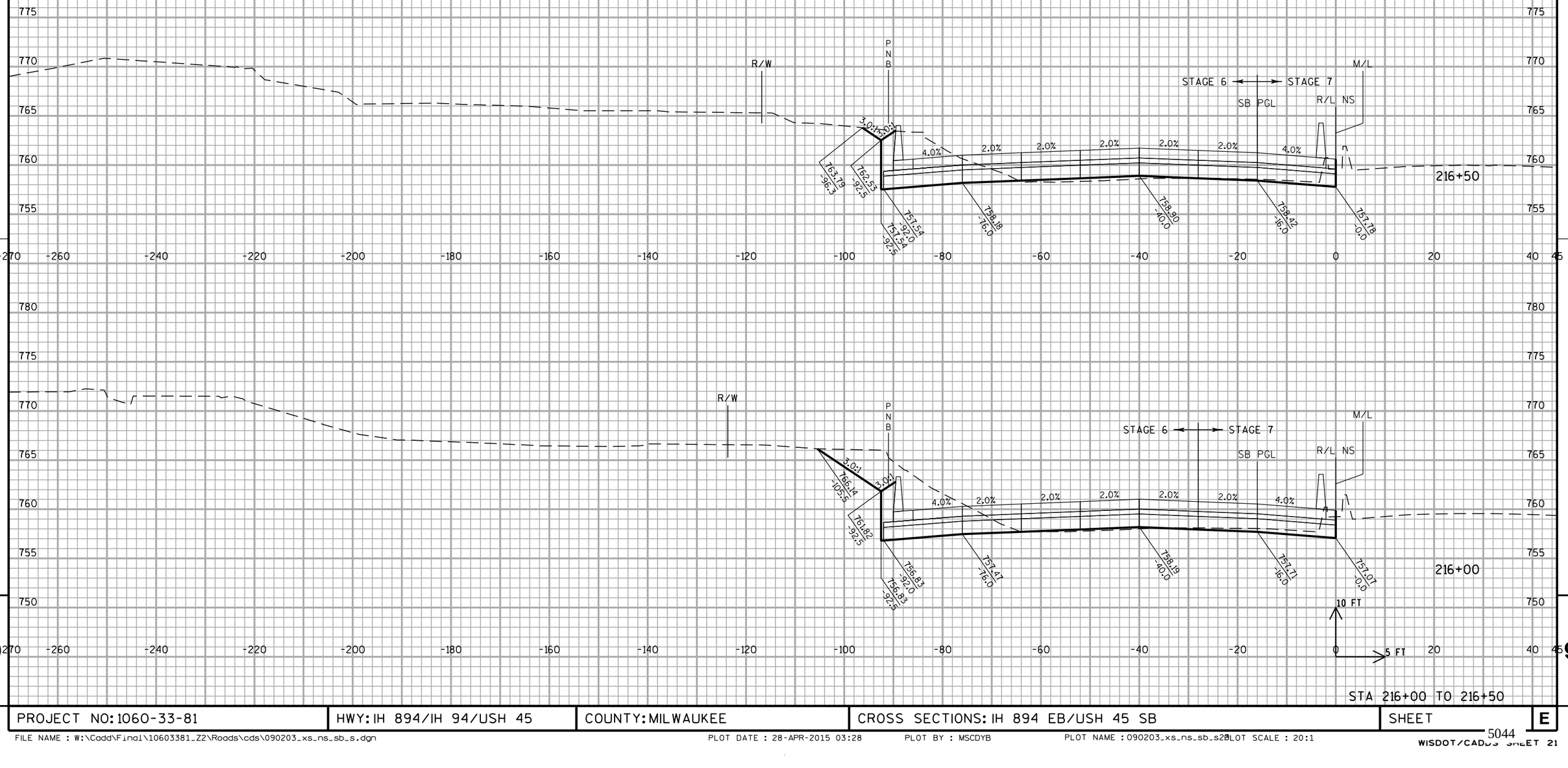
STA 214+00 TO 214+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



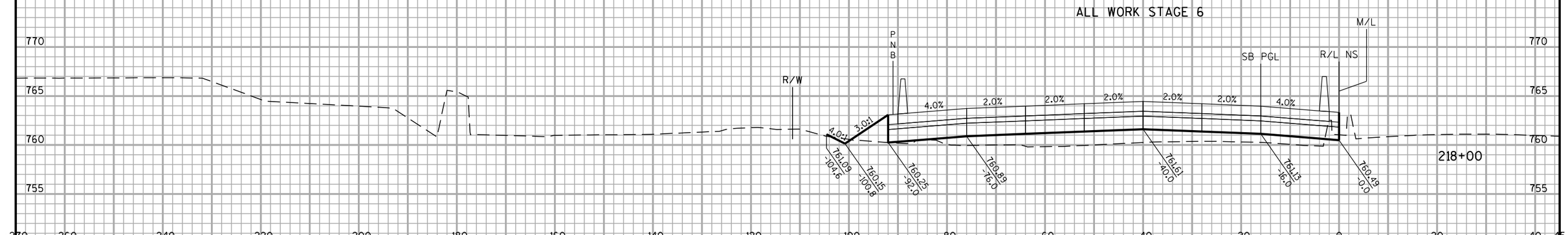
STA 215+00 TO 215+50

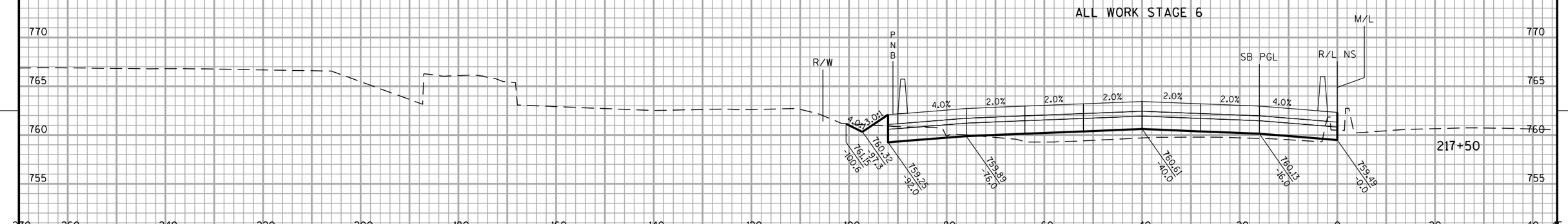
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

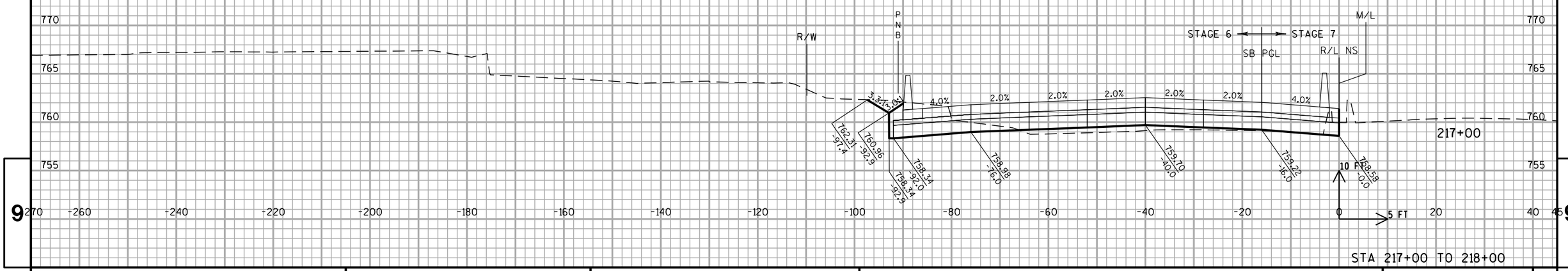


STA 216+00 TO 216+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



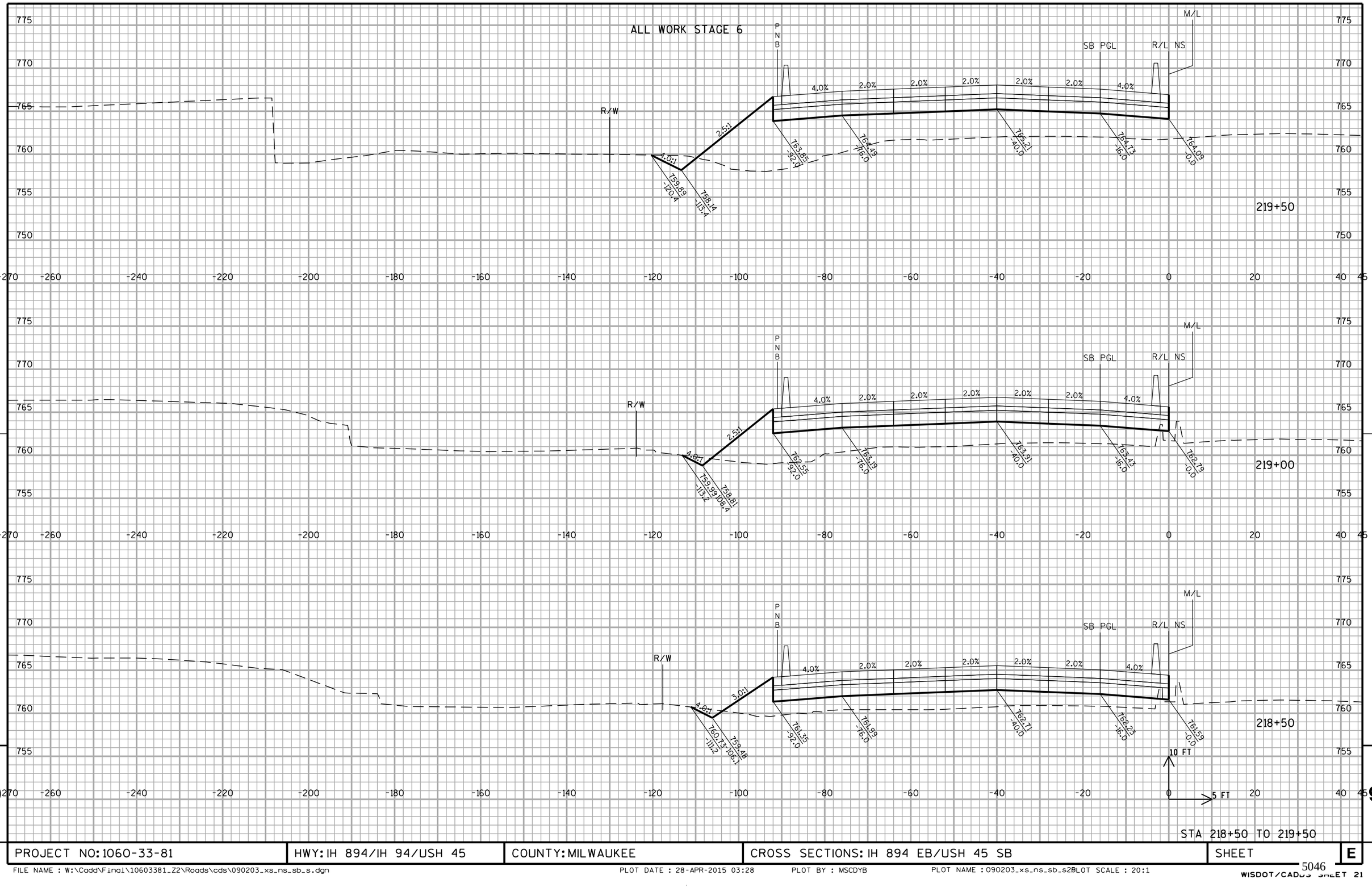




PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn
PLOT DATE : 28-APR-2015 03:28
PLOT BY : MSCDYB
PLOT NAME : 090203_xs_ns_sb_s2
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



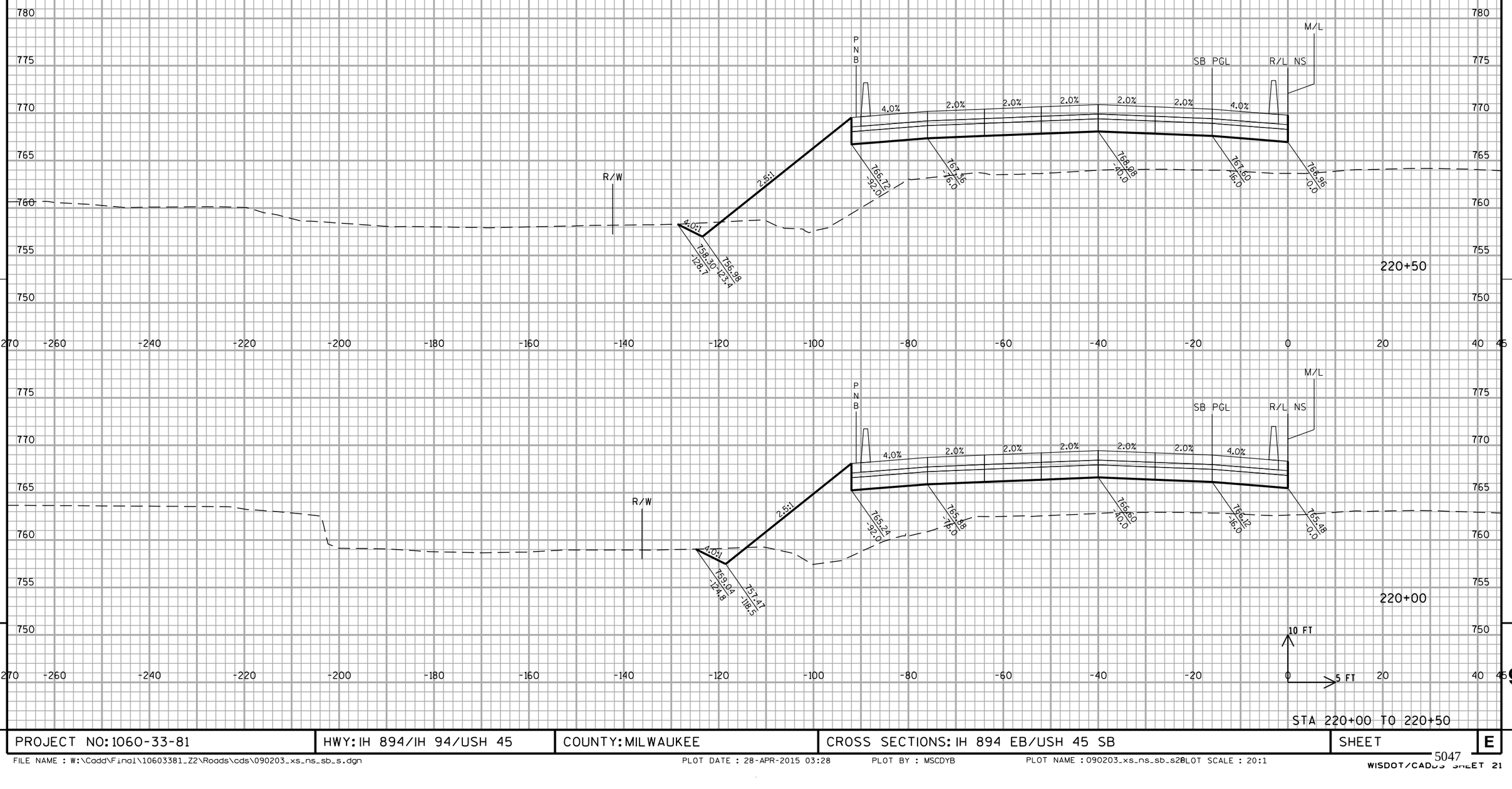
STA 218+50 TO 219+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

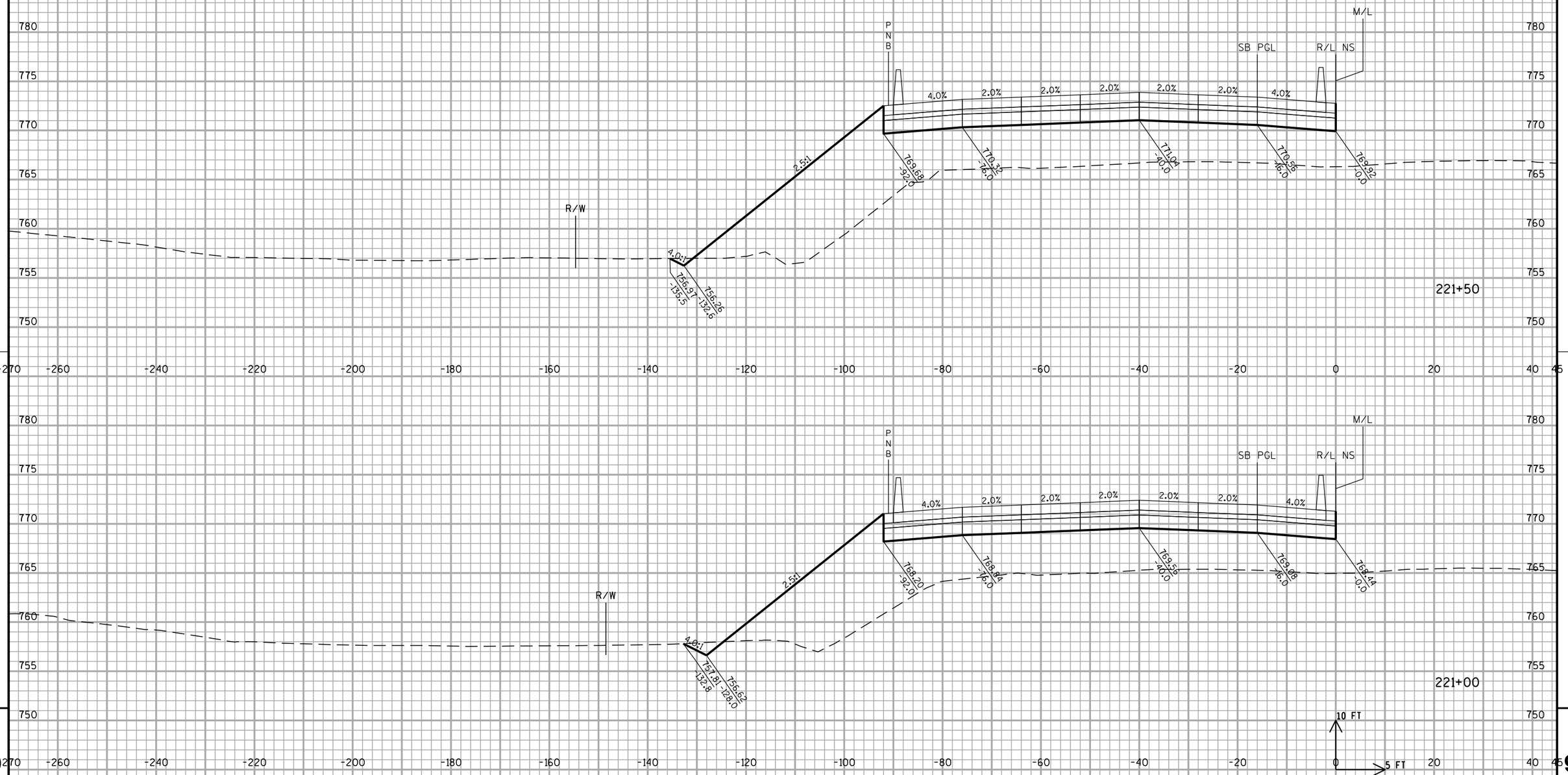
ALL WORK STAGE 6



STA 220+00 TO 220+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

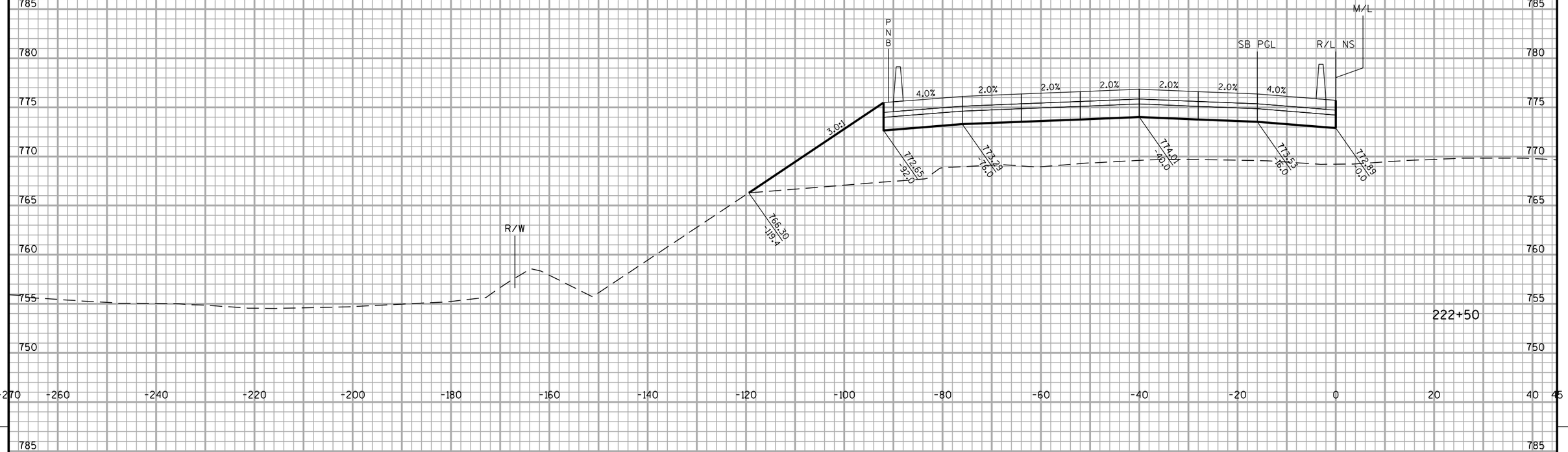
ALL WORK STAGE 6

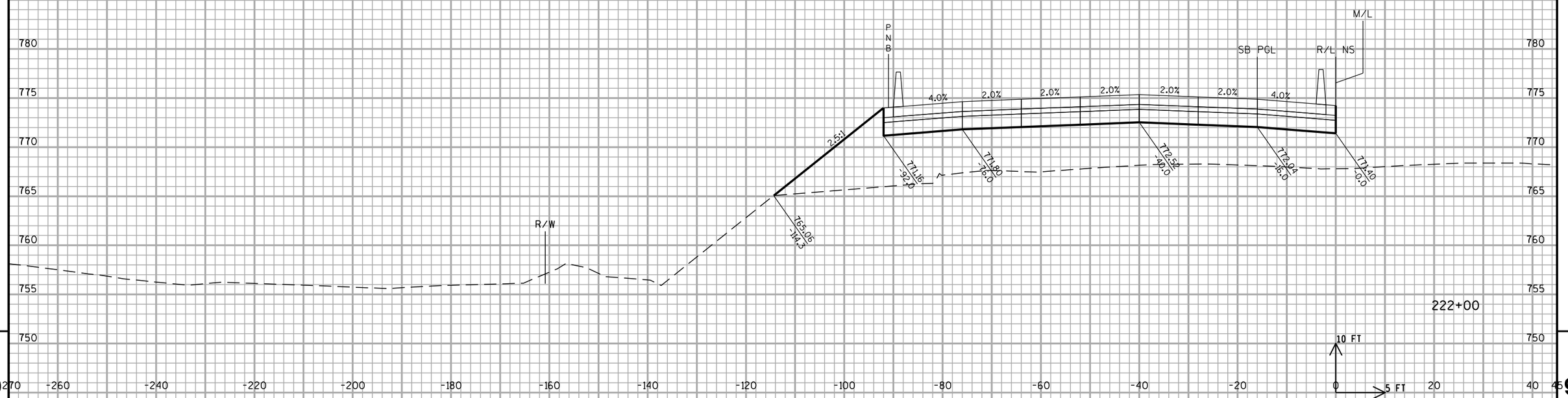


STA 221+00 TO 221+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

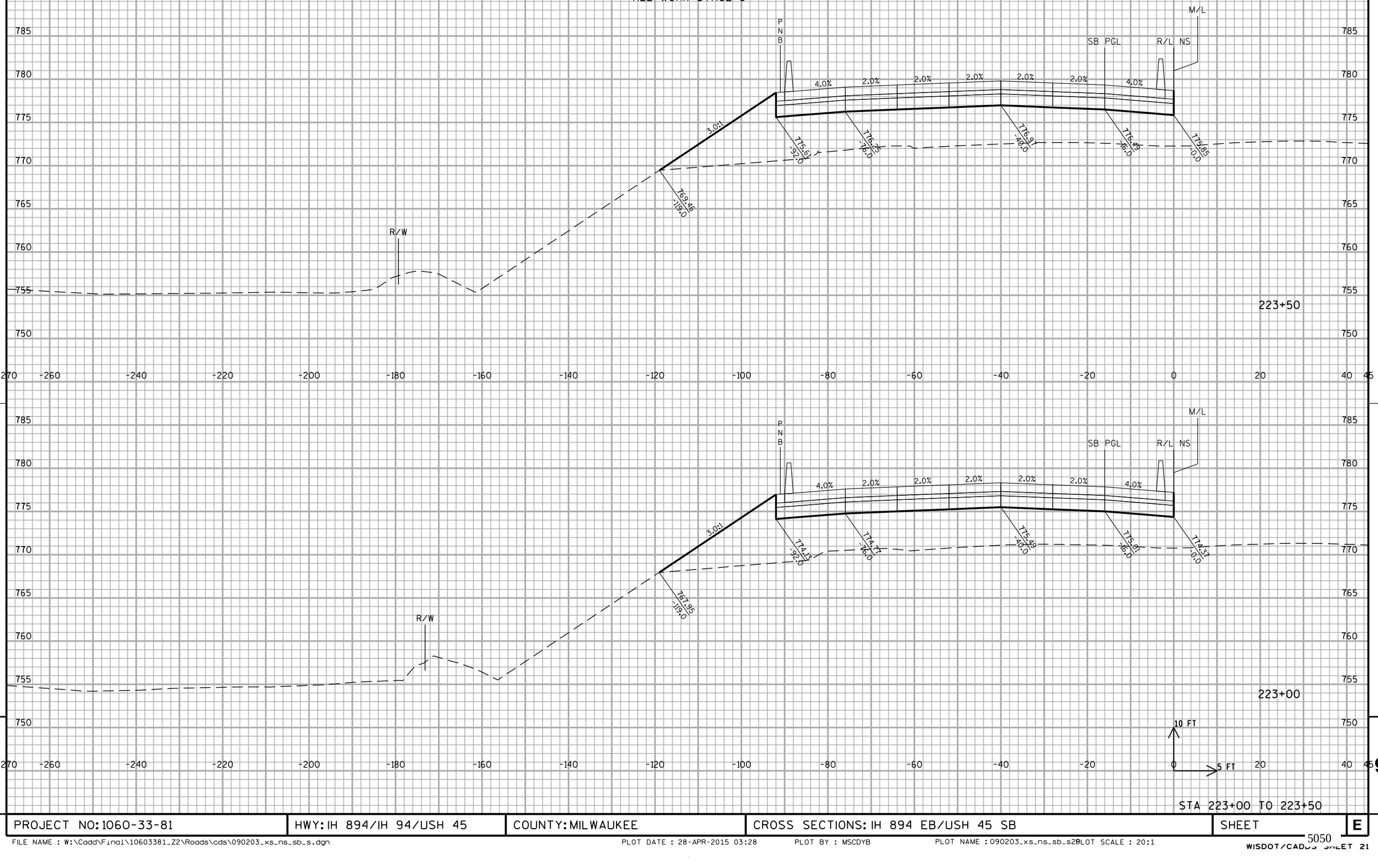




STA 222+00 TO 222+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

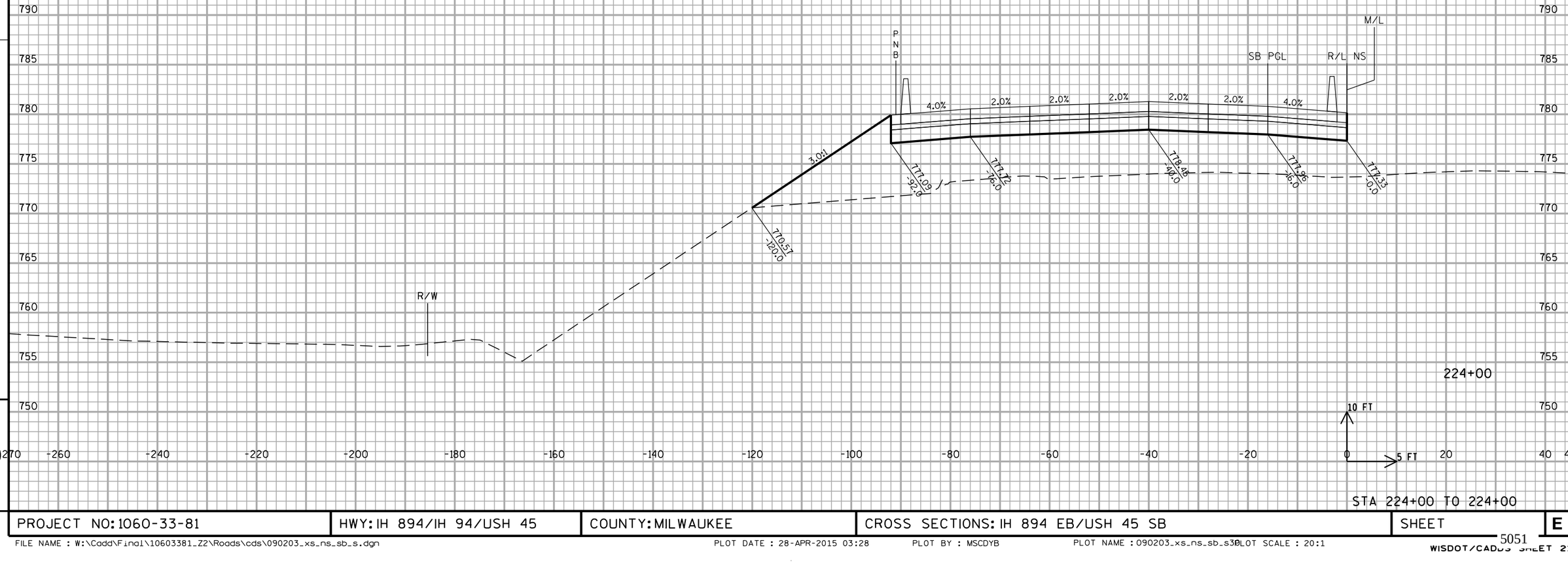
ALL WORK STAGE 6



STA 223+00 TO 223+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

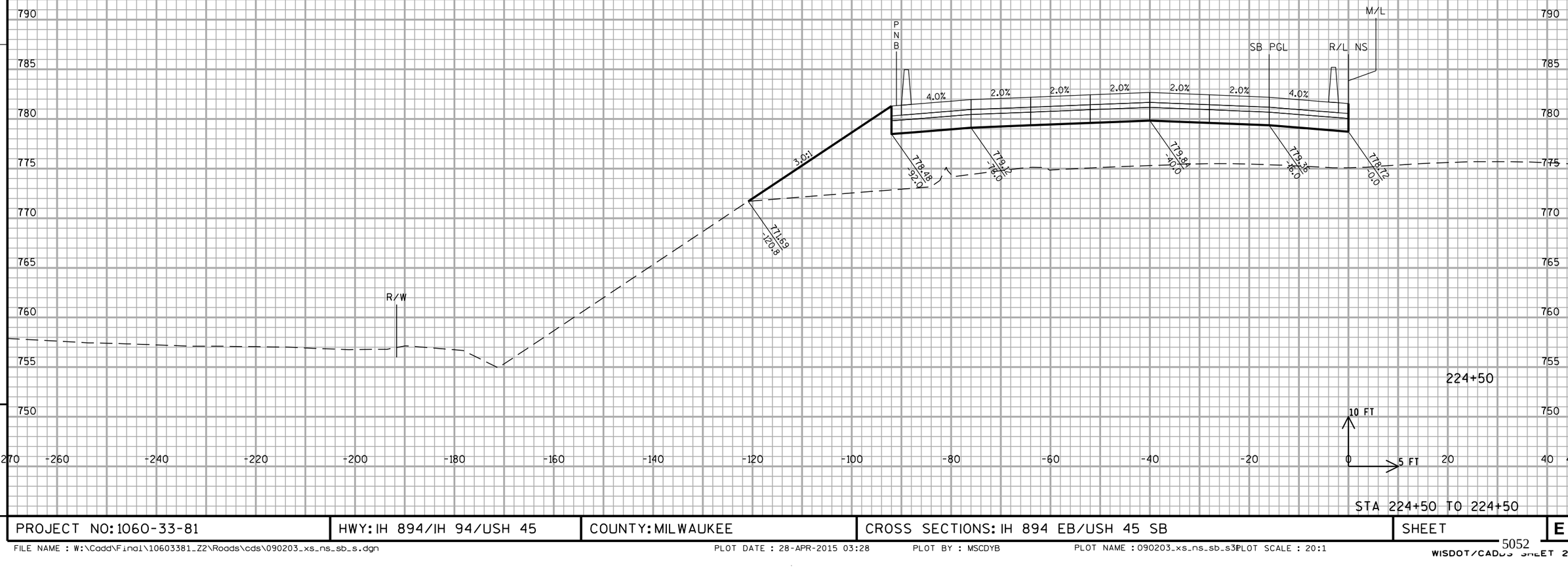


STA 224+00 TO 224+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3D PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

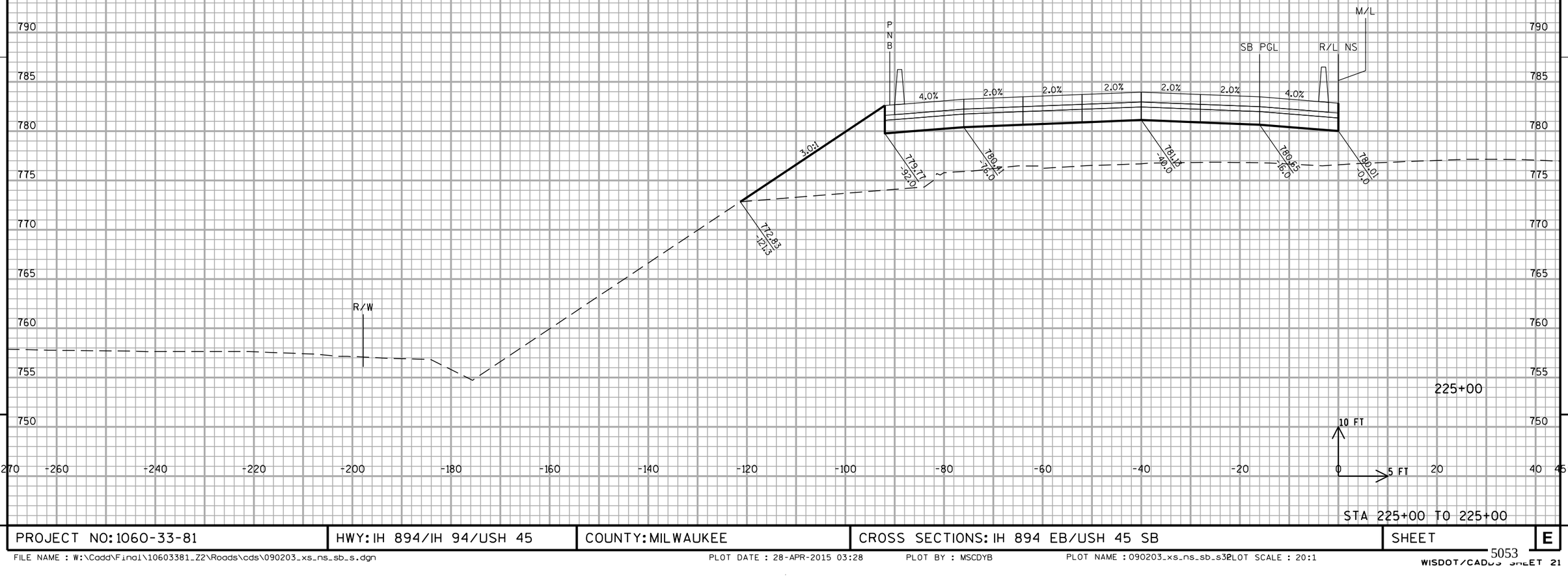
ALL WORK STAGE 6



STA 224+50 TO 224+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

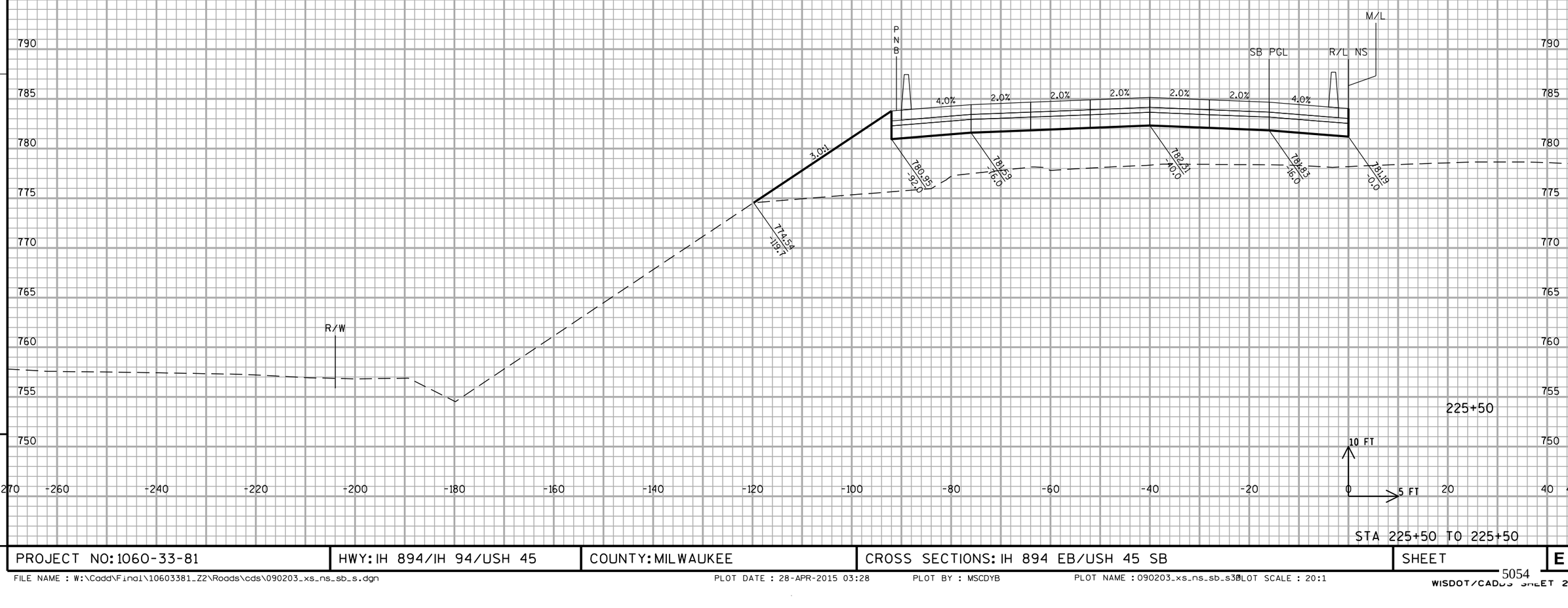
ALL WORK STAGE 6



STA 225+00 TO 225+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



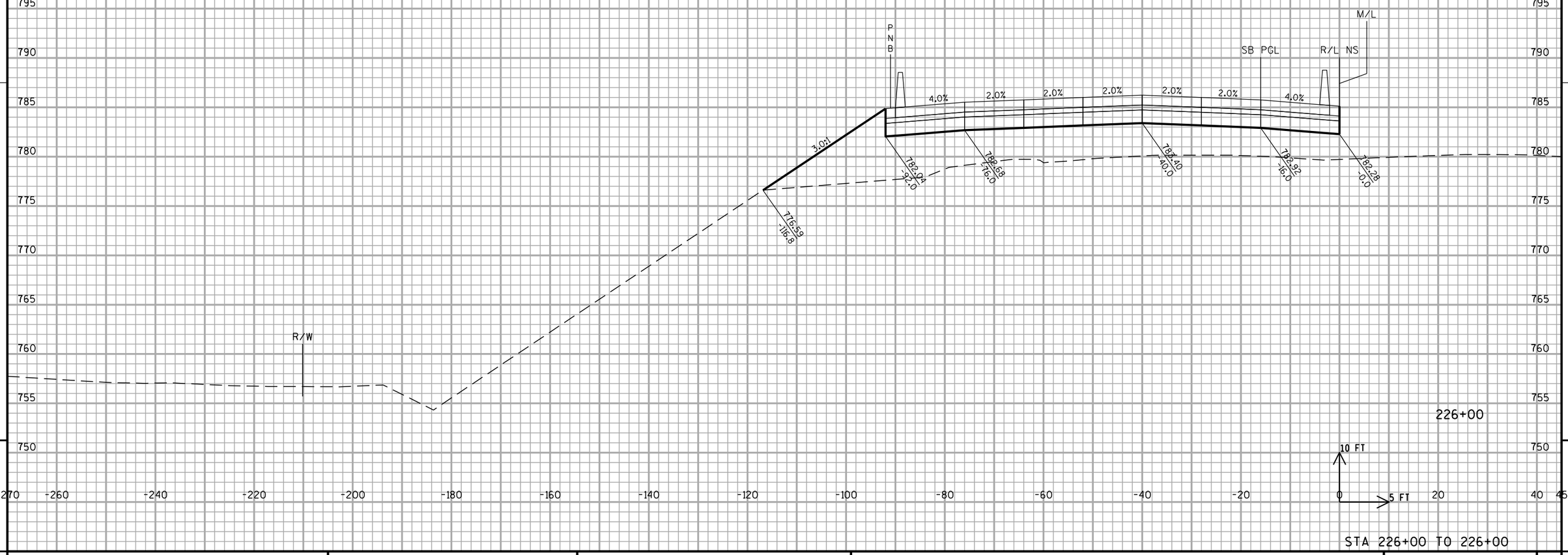
STA 225+50 TO 225+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3 PLOT SCALE : 20:1

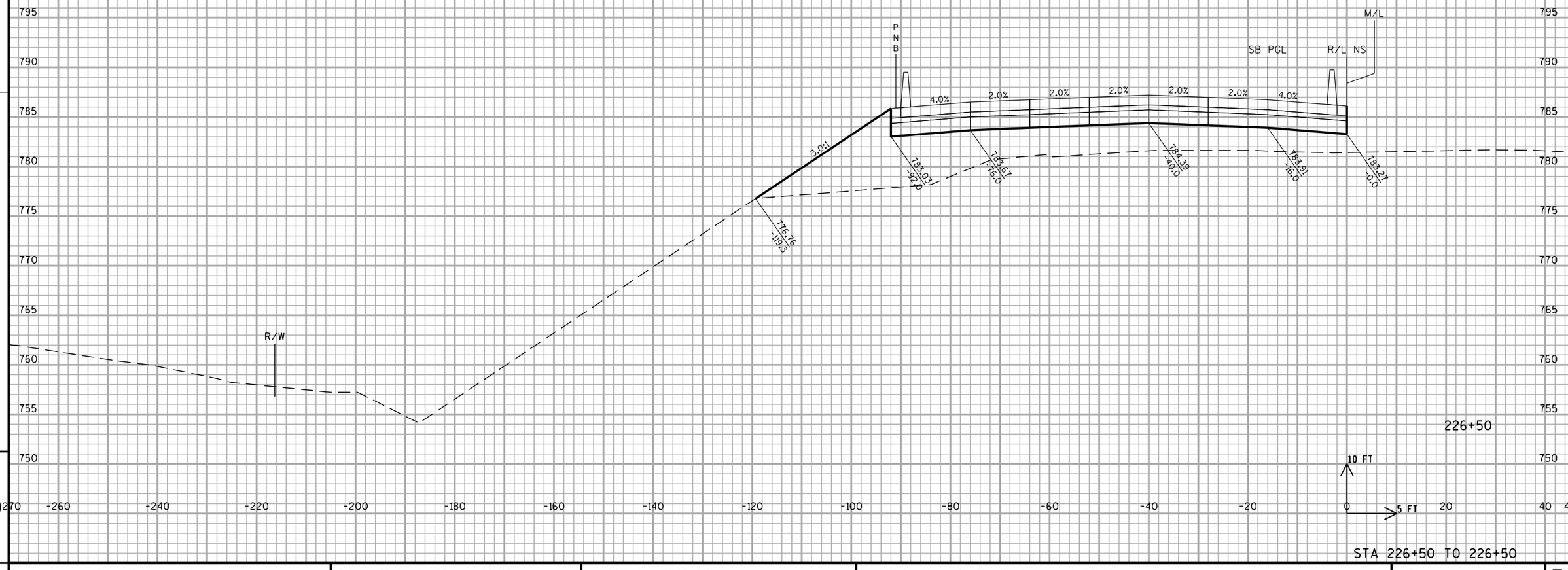
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

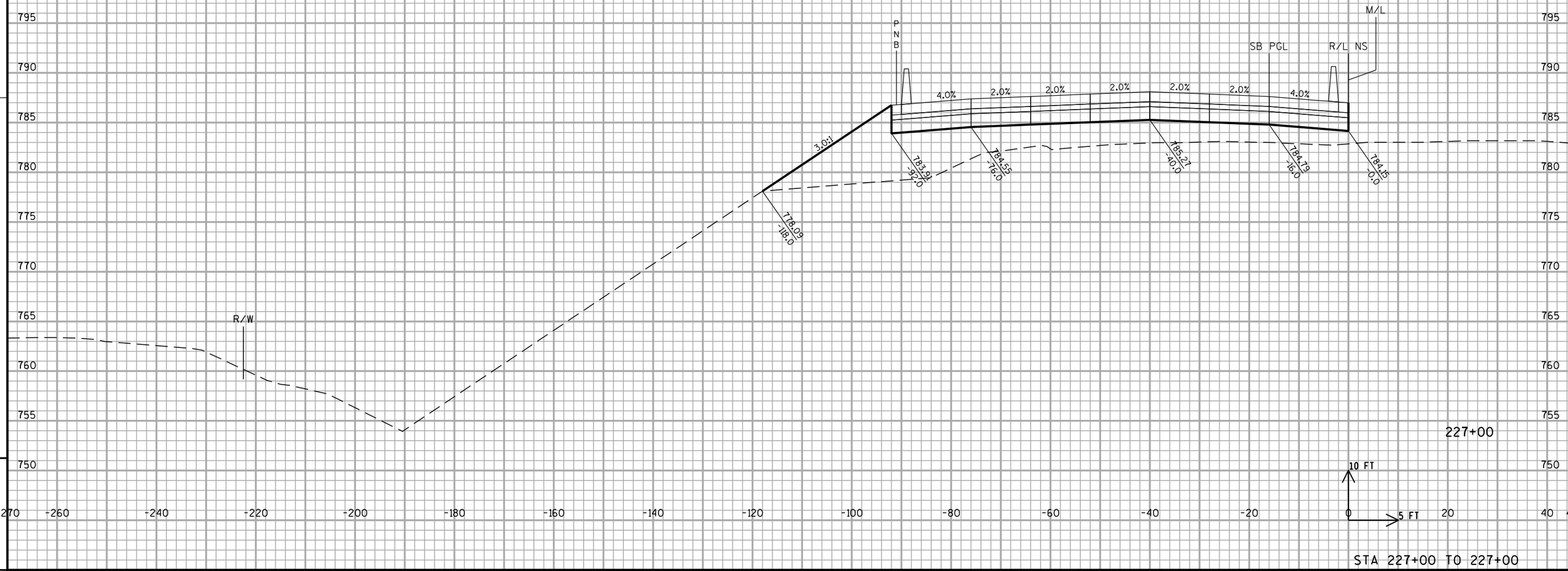


STA 226+50 TO 226+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3B PLOT SCALE : 20:1

ALL WORK STAGE 6

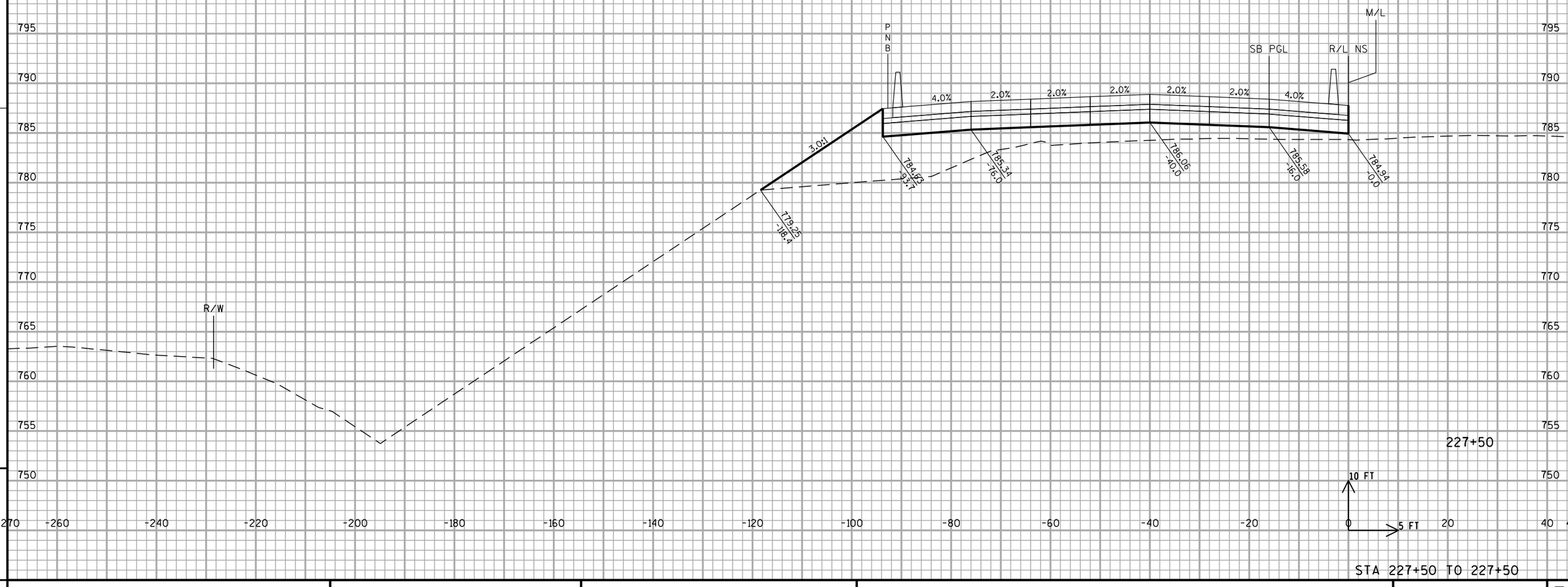


STA 227+00 TO 227+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3BLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

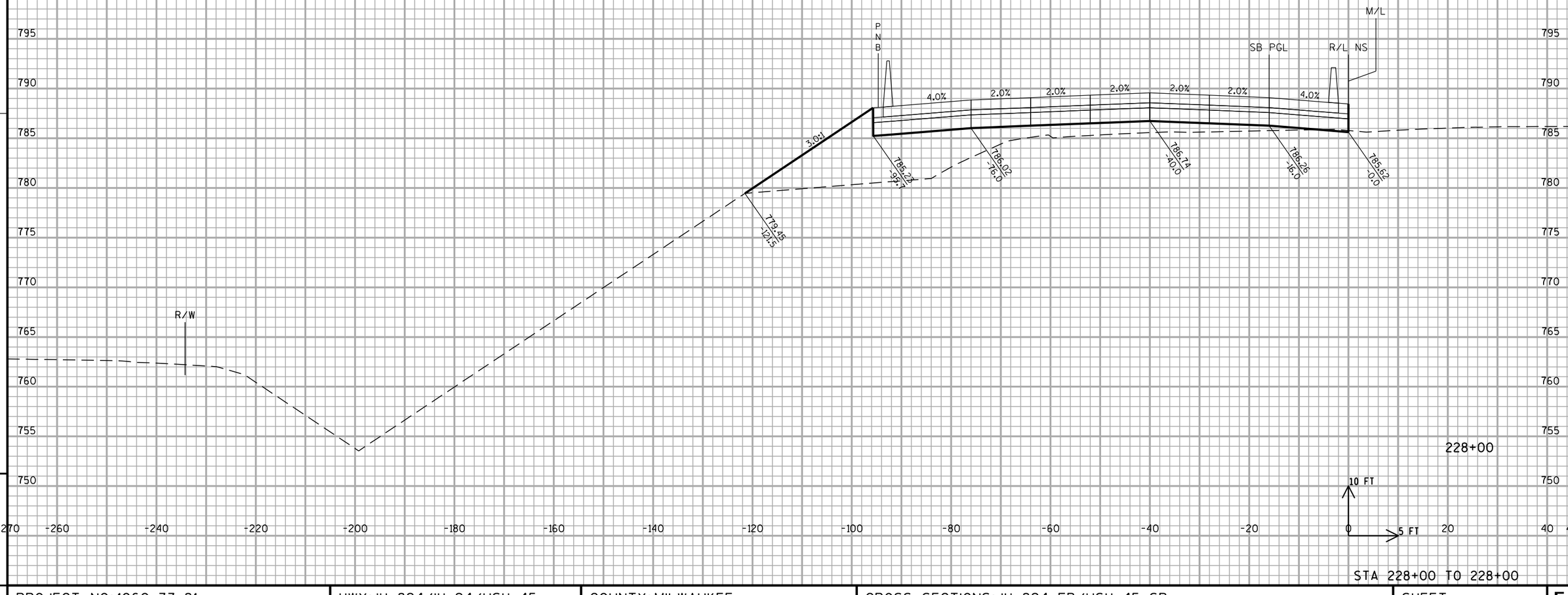


STA 227+50 TO 227+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3P PLOT SCALE : 20:1

ALL WORK STAGE 6

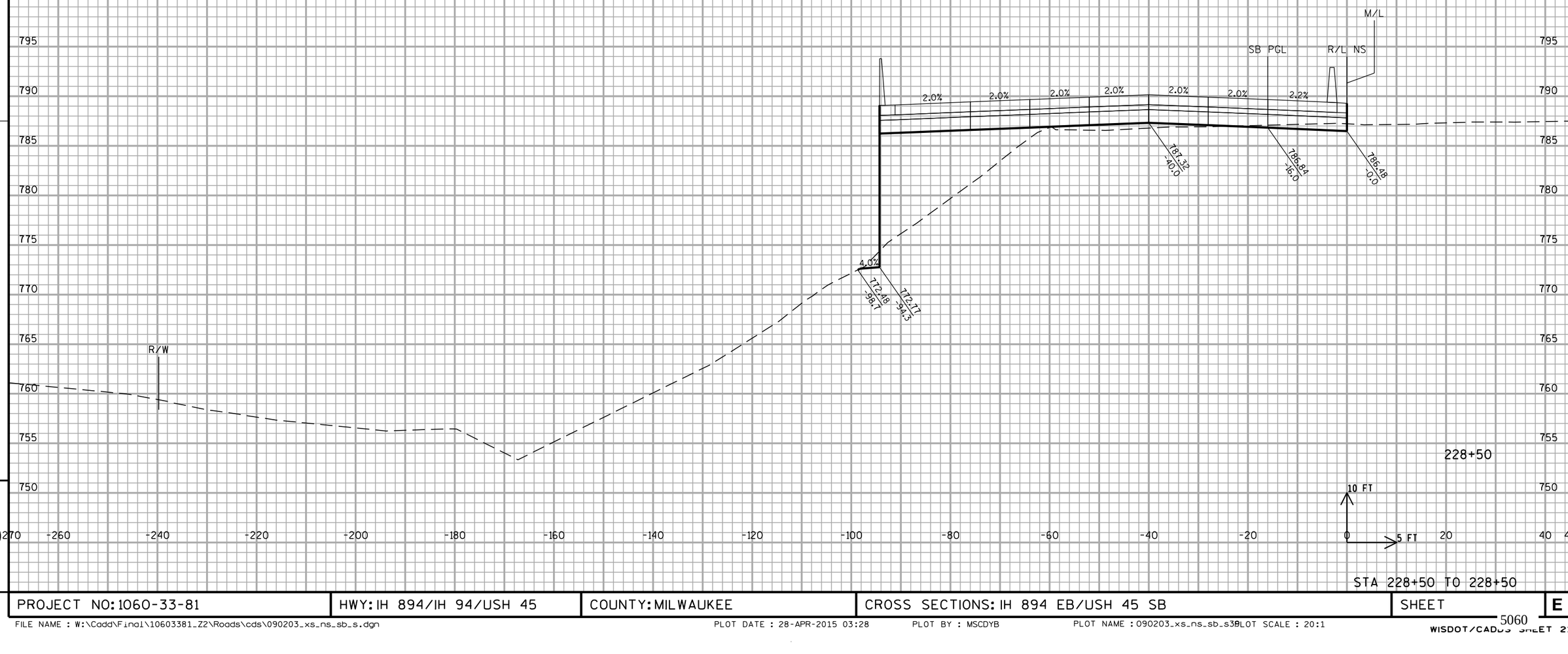


STA 228+00 TO 228+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s3B PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 228+50 TO 228+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

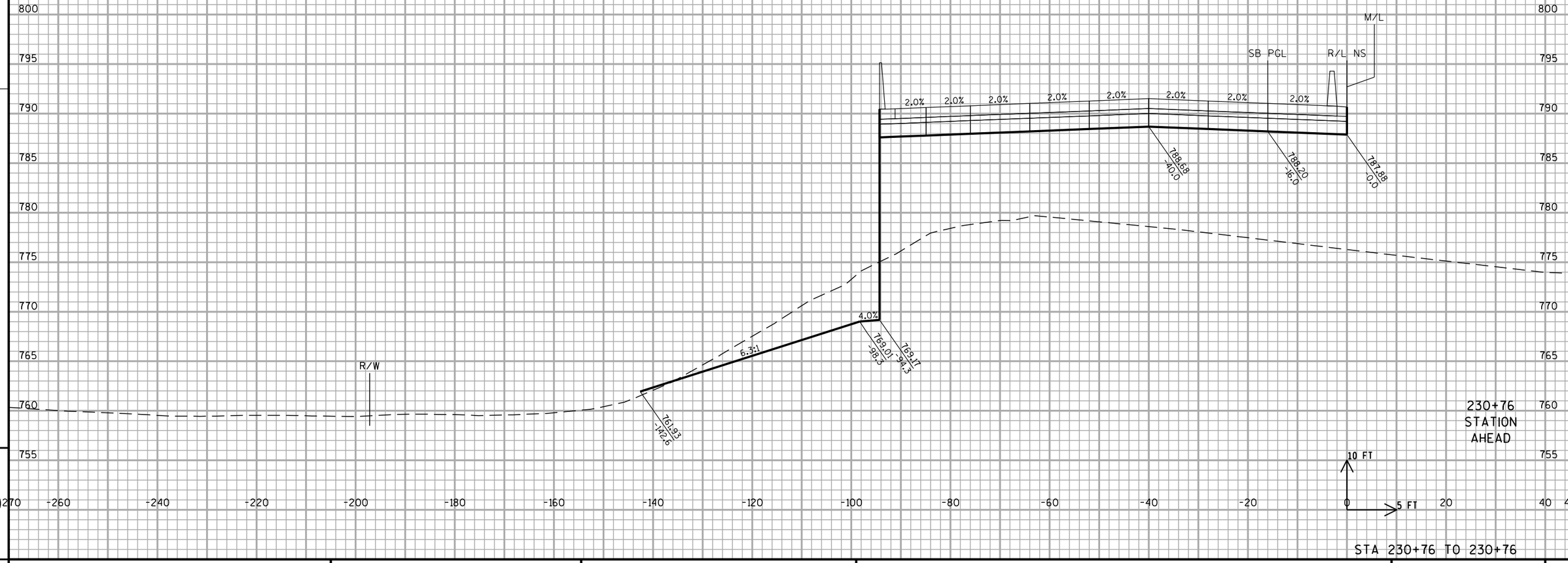
ALL WORK STAGE 6



STA 228+62 TO 228+62

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



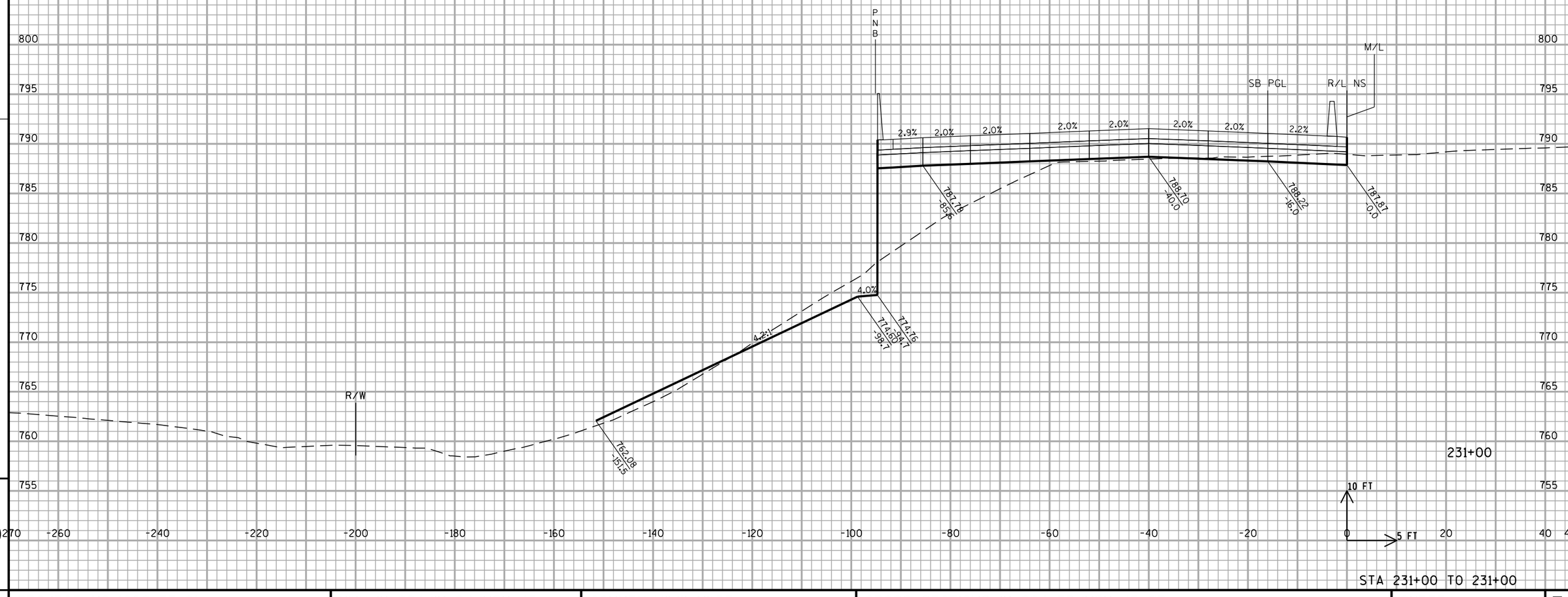
STA 230+76 TO 230+76

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

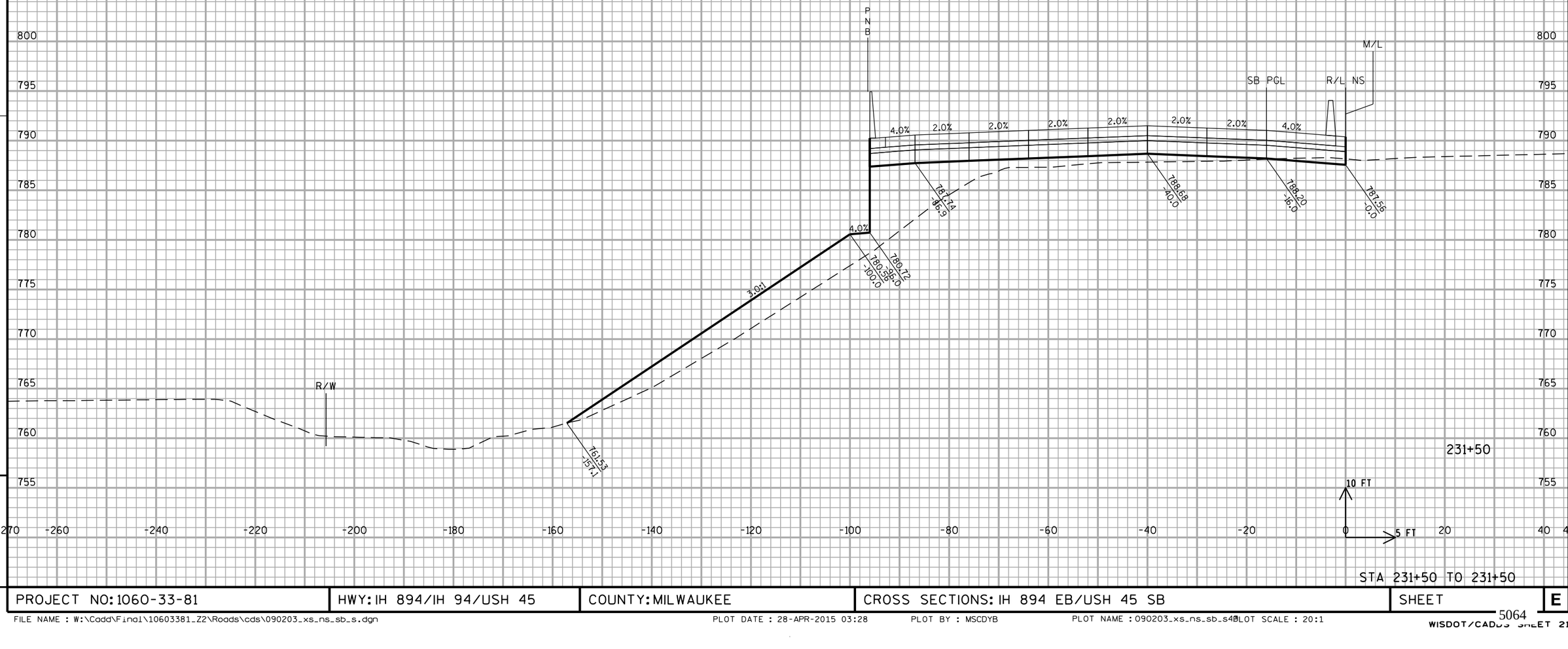


STA 231+00 TO 231+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4PLOT SCALE : 20:1

ALL WORK STAGE 6

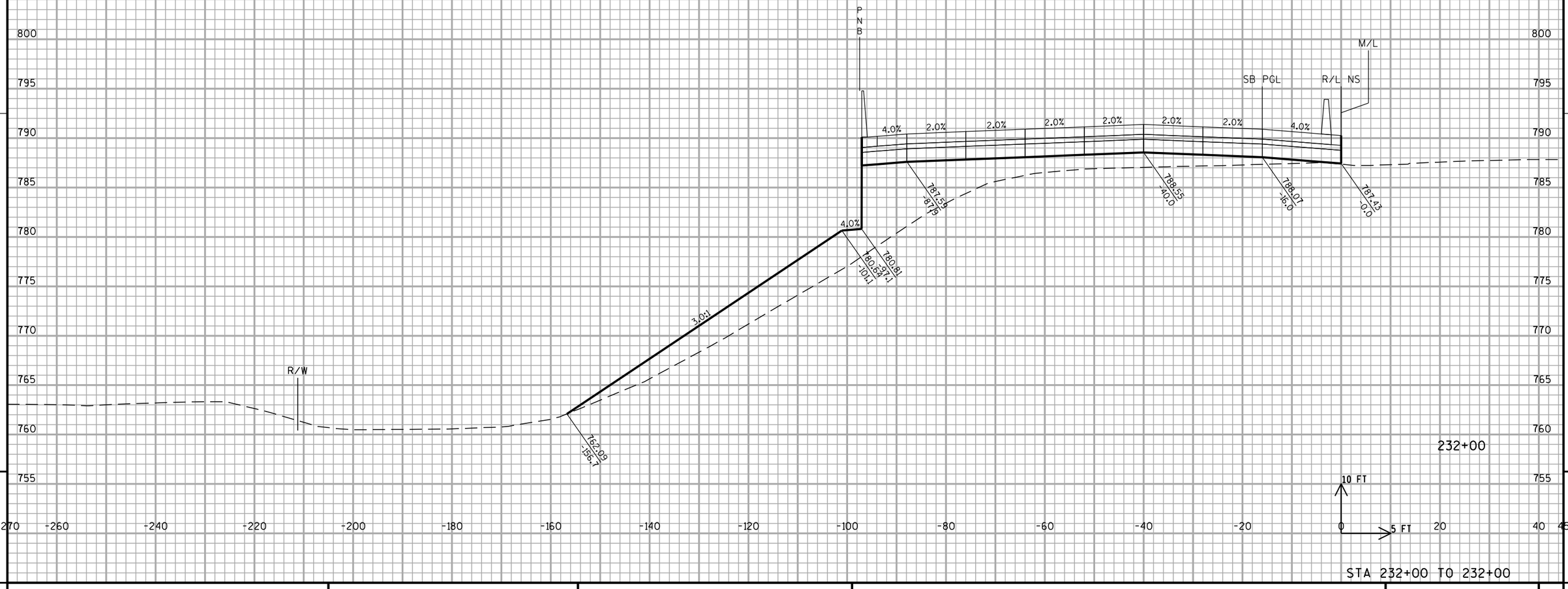


STA 231+50 TO 231+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s48 PLOT SCALE : 20:1

ALL WORK STAGE 6



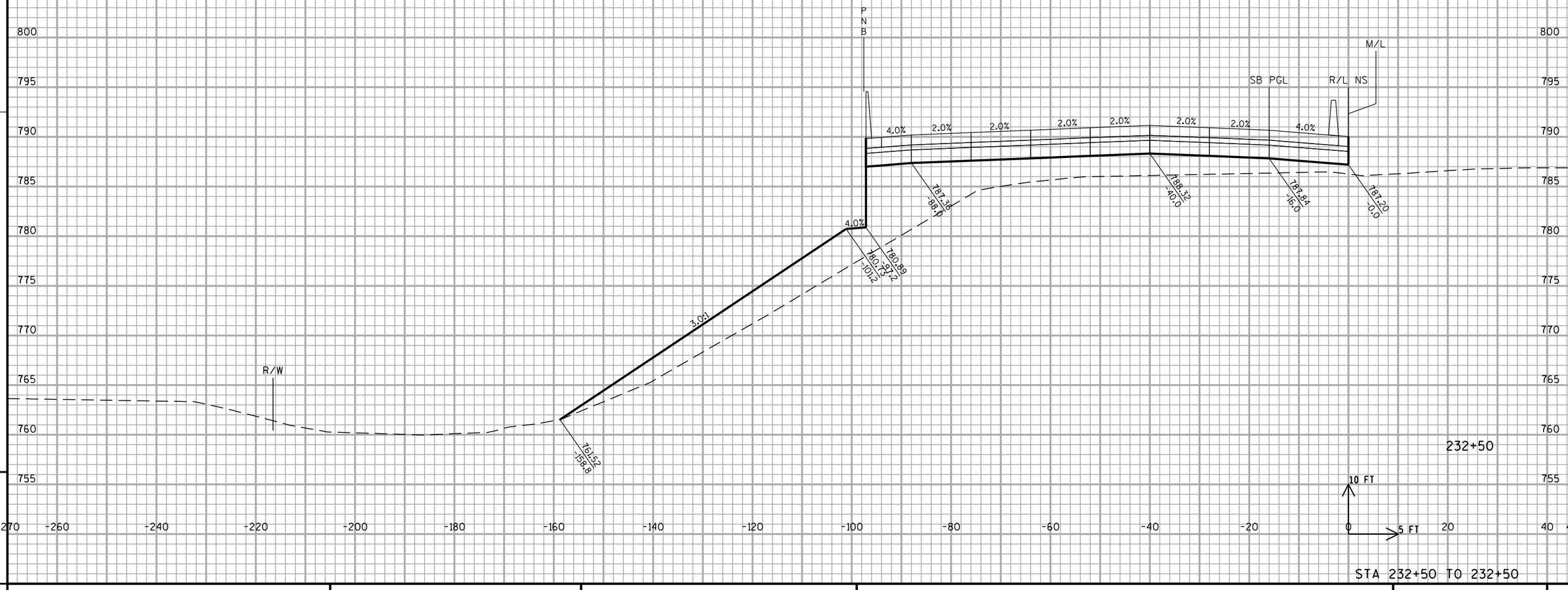
STA 232+00 TO 232+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4R PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

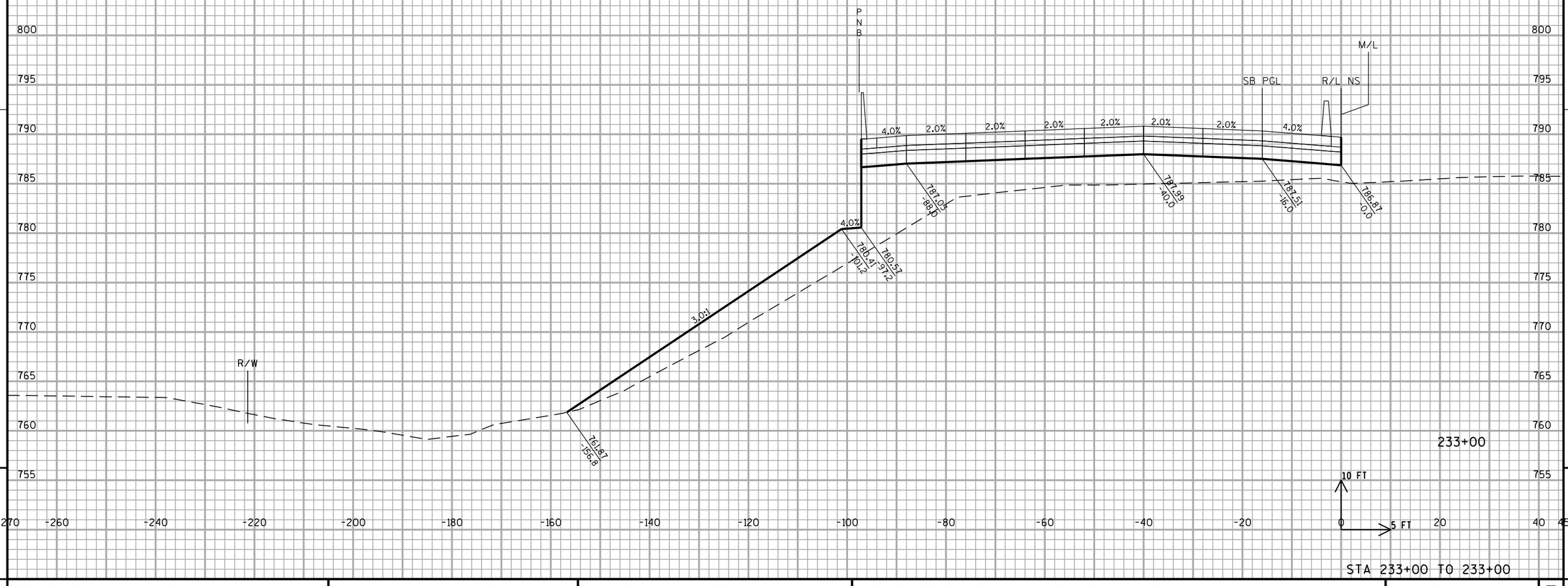


STA 232+50 TO 232+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4BLOT SCALE : 20:1

ALL WORK STAGE 6



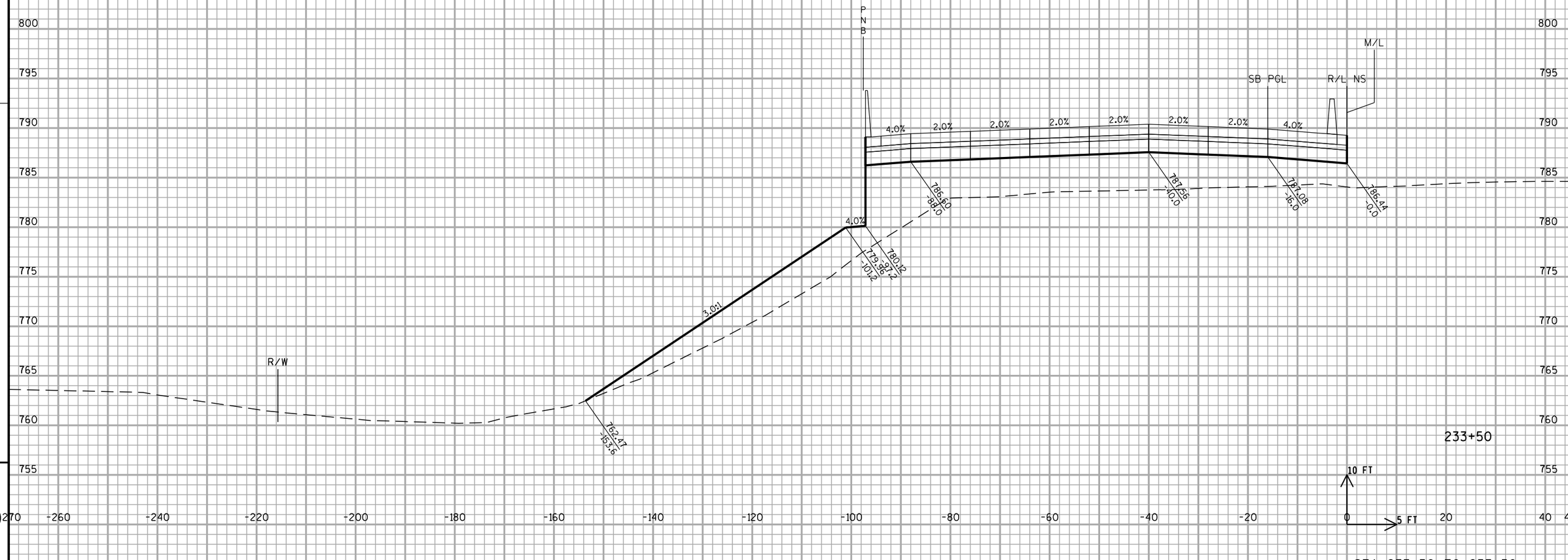
STA 233+00 TO 233+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4BLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

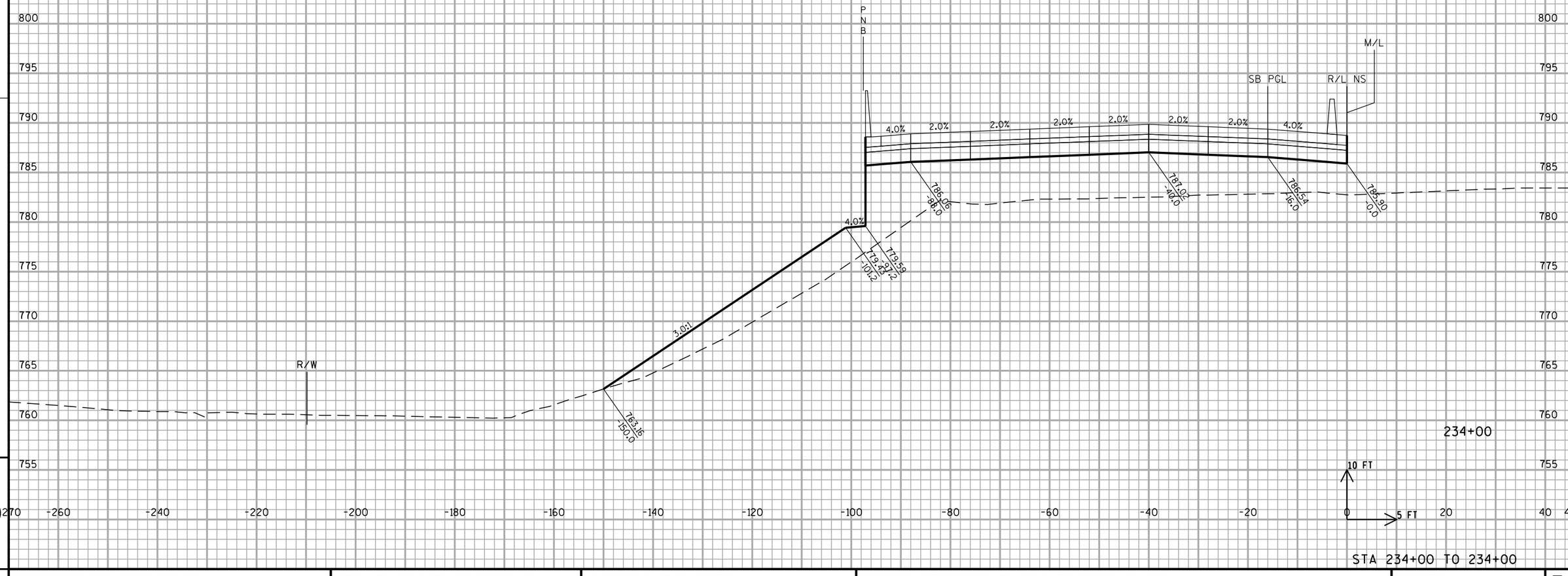


STA 233+50 TO 233+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4P PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

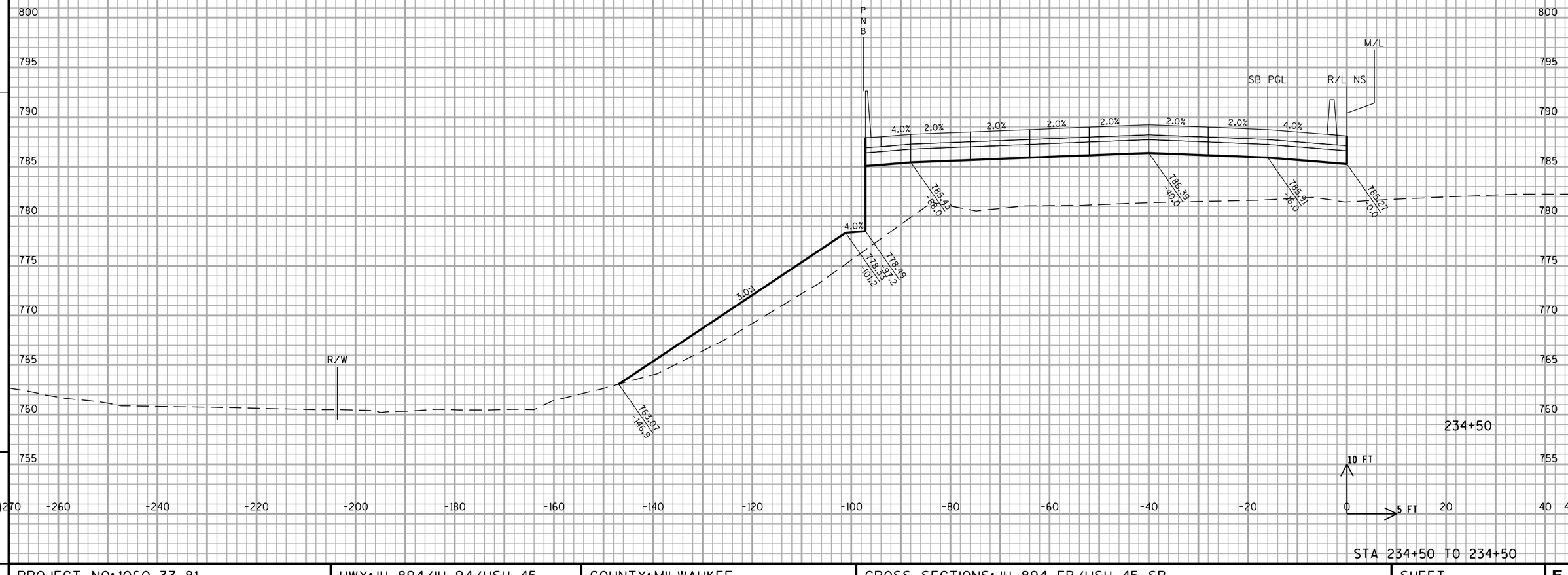


STA 234+00 TO 234+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4B PLOT SCALE : 20:1

ALL WORK STAGE 6

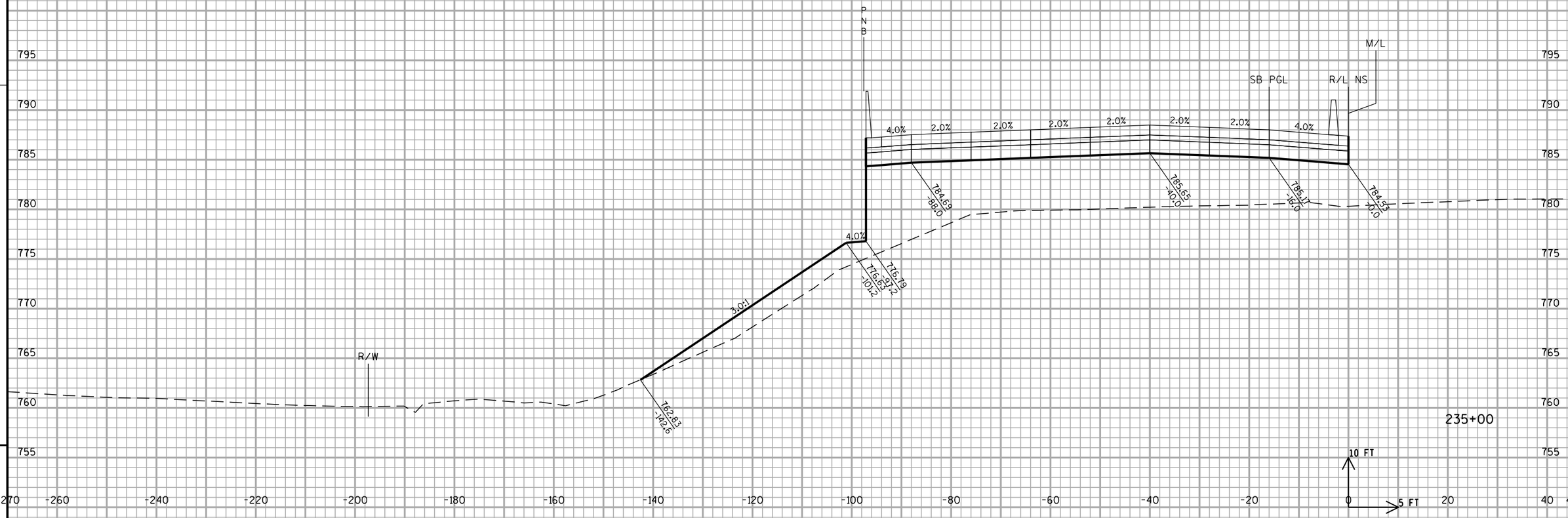


STA 234+50 TO 234+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:28 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s4B PLOT SCALE : 20:1

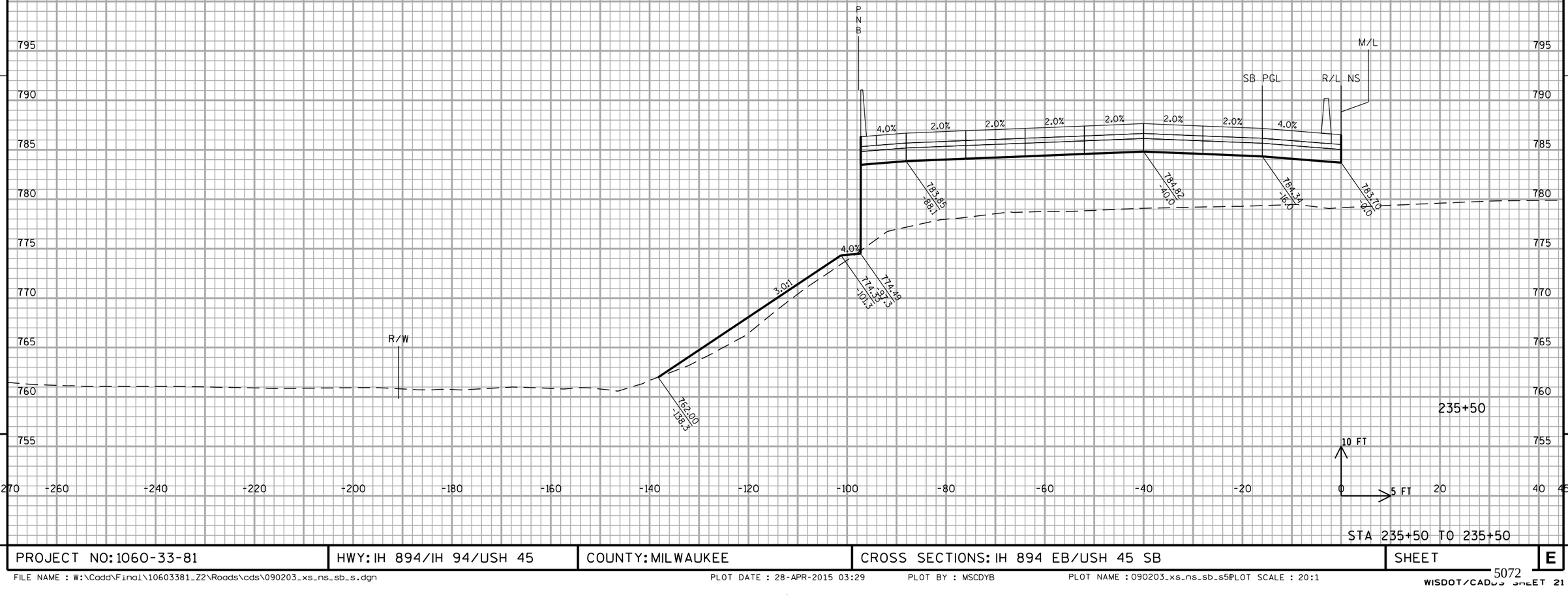
ALL WORK STAGE 6



STA 235+00 TO 235+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

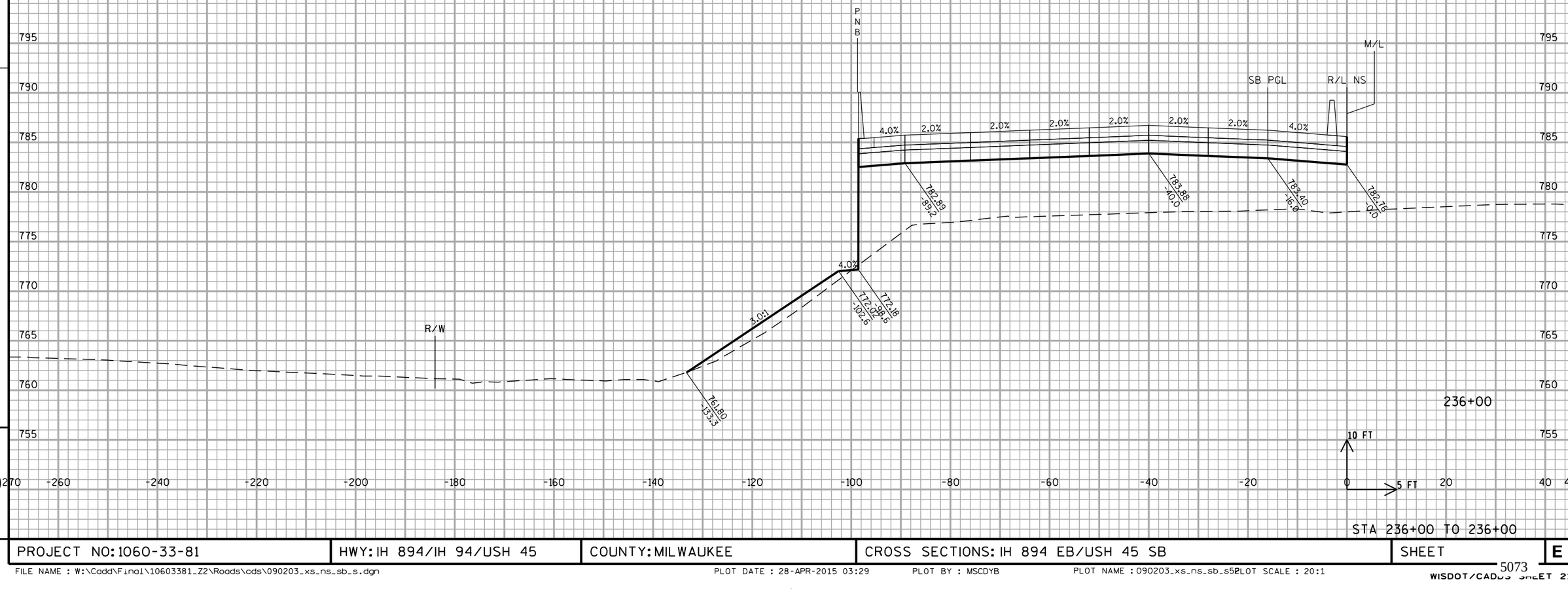


STA 235+50 TO 235+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s5 PLOT SCALE : 20:1

ALL WORK STAGE 6

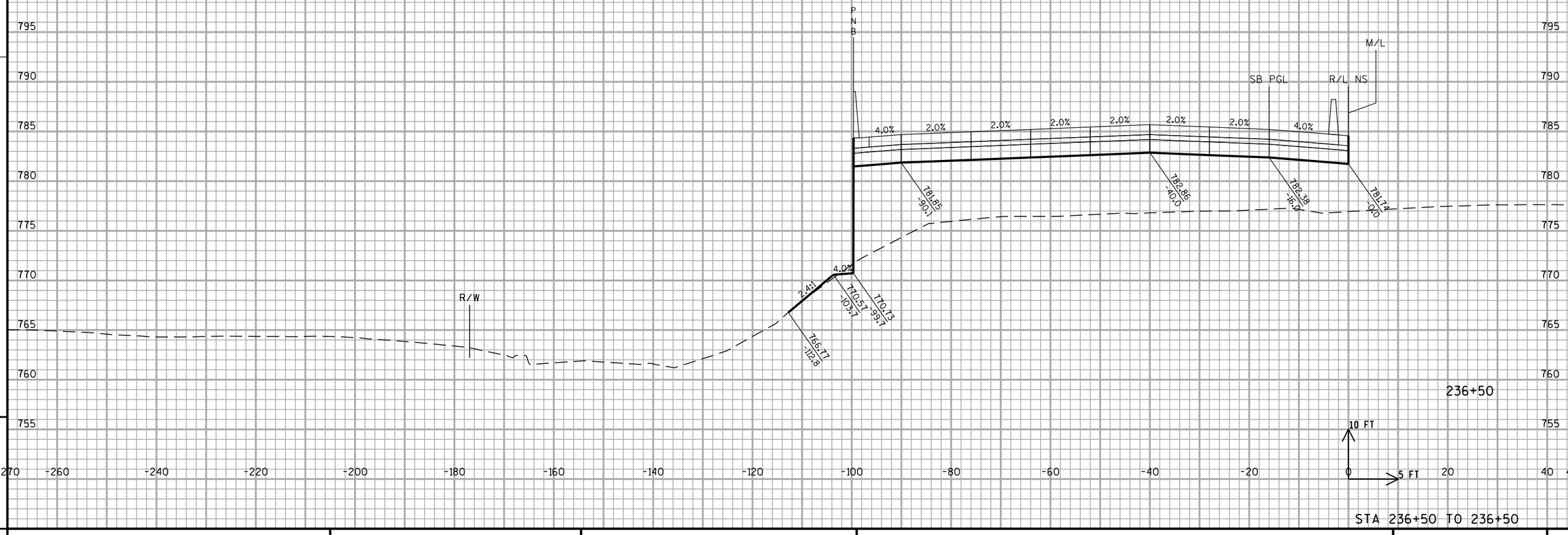


STA 236+00 TO 236+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s52PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

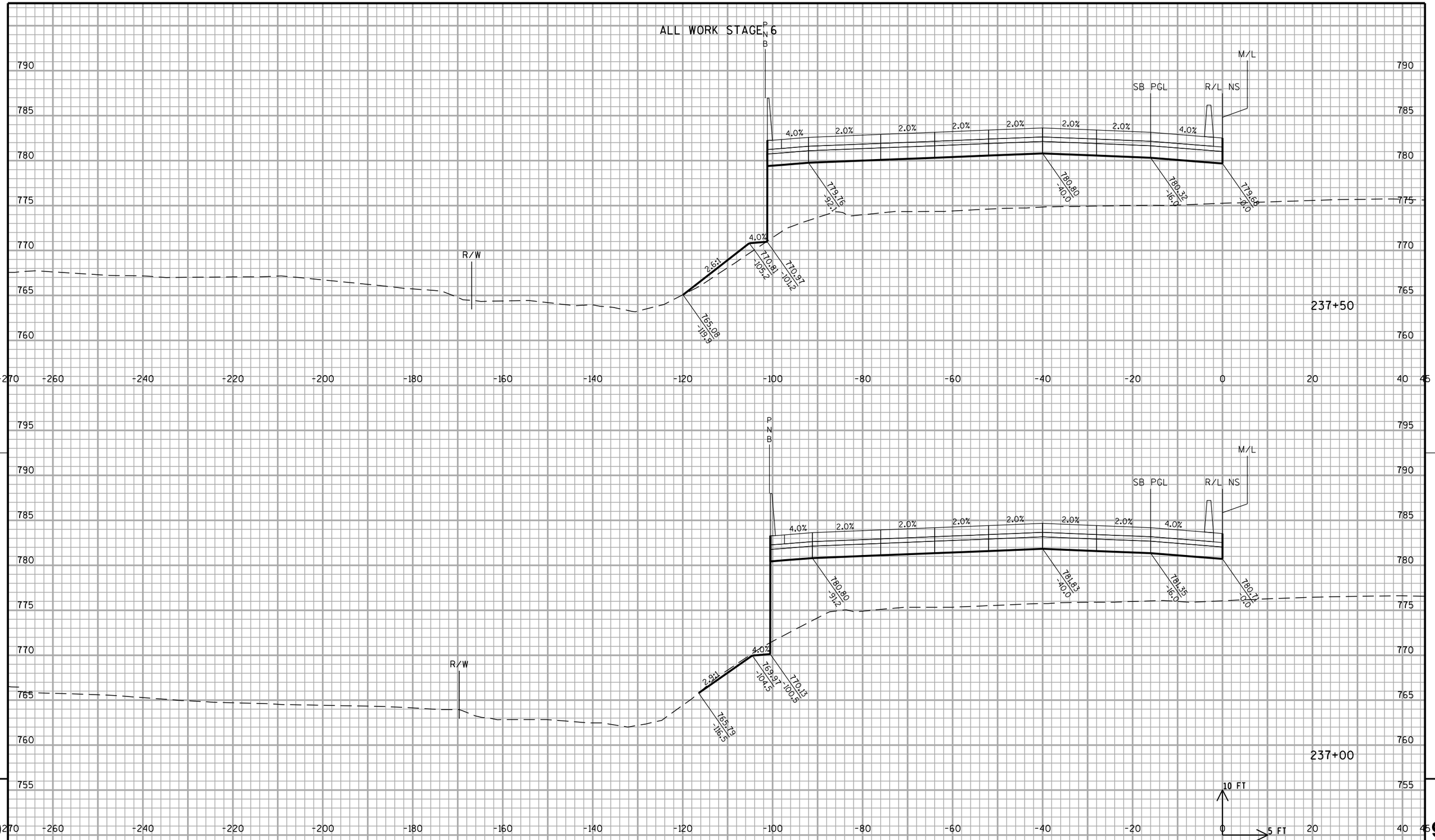
ALL WORK STAGE 6



STA 236+50 TO 236+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

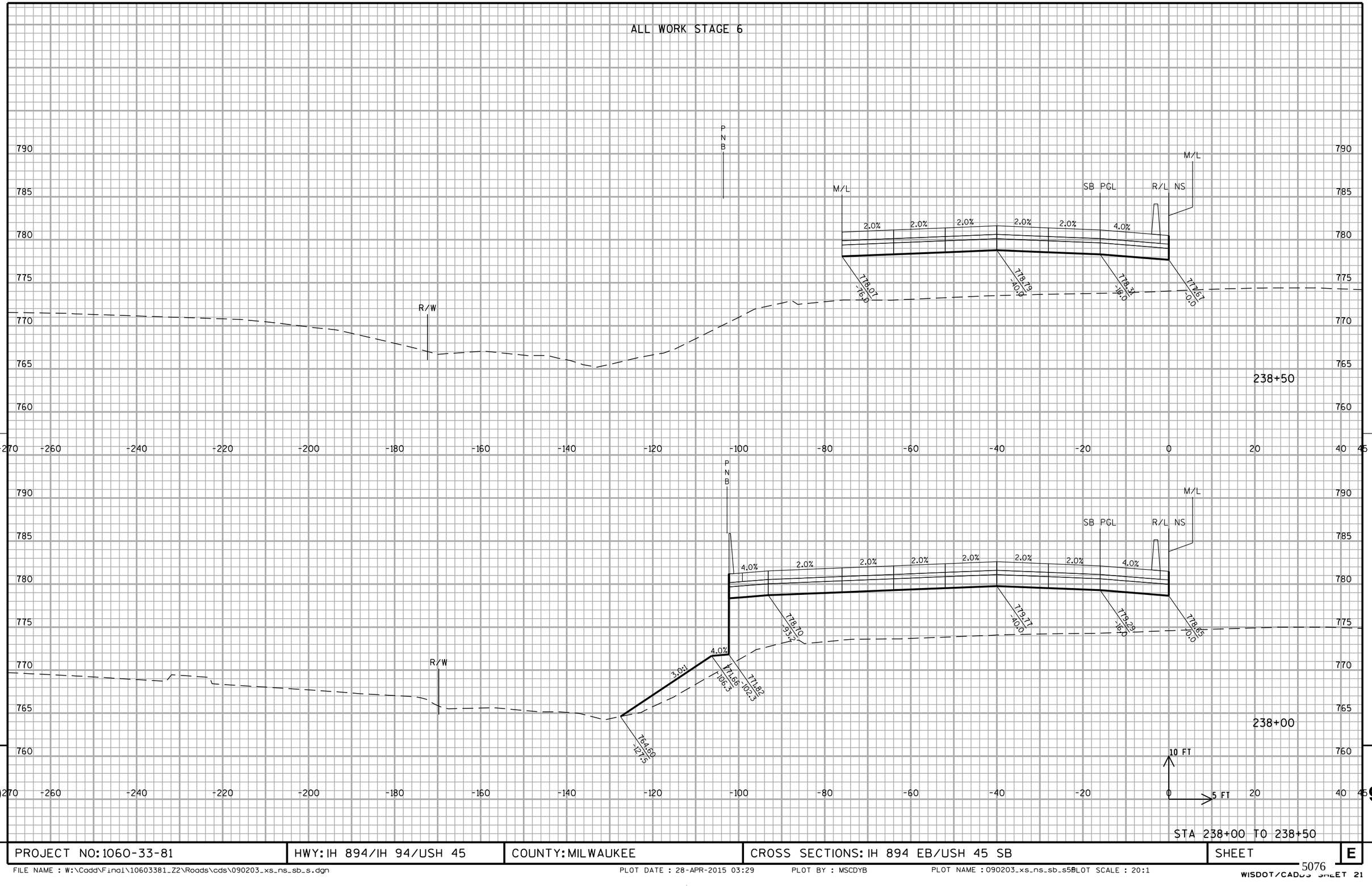
ALL WORK STAGE 6



STA 237+00 TO 237+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

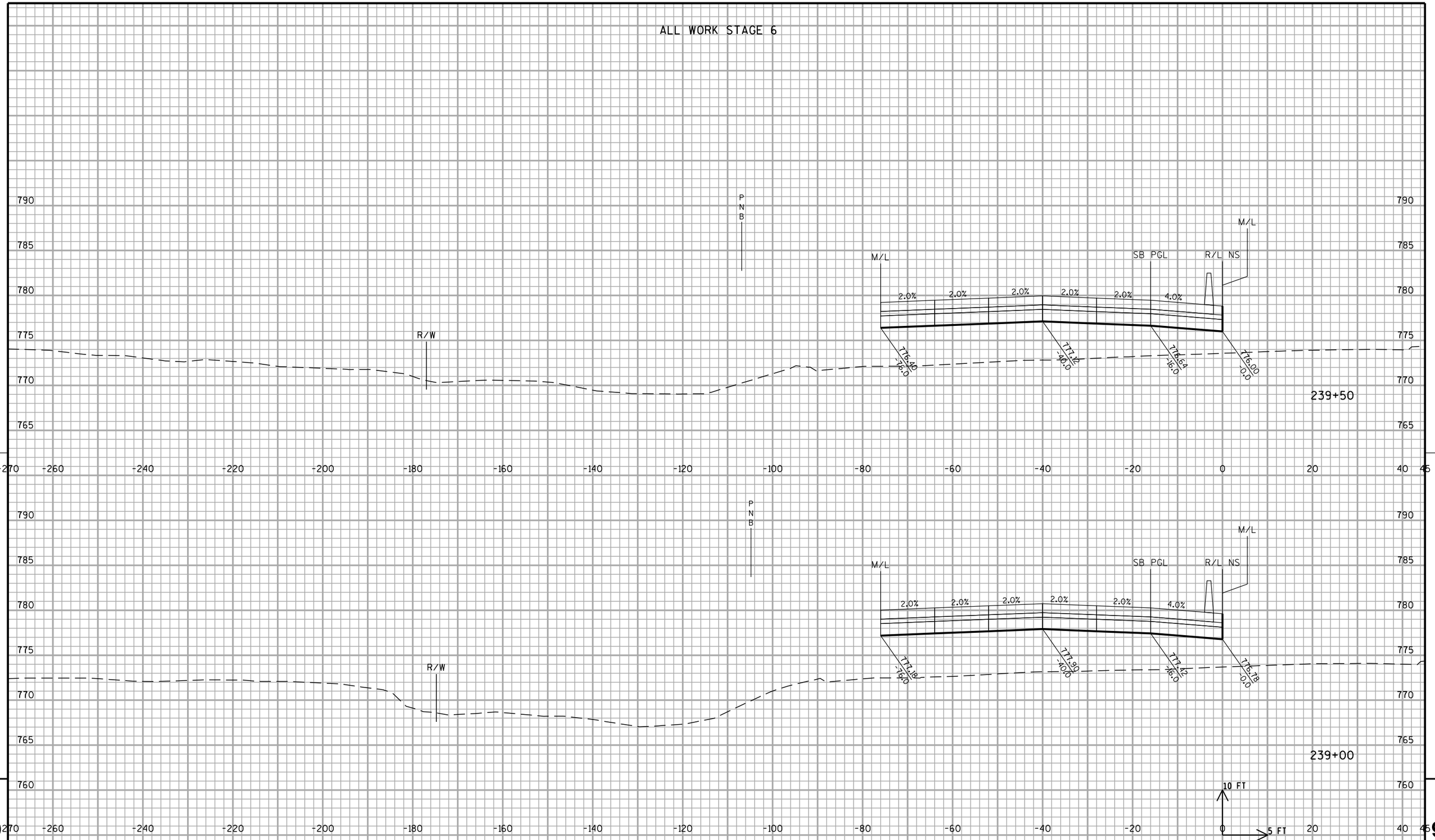
ALL WORK STAGE 6



STA 238+00 TO 238+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

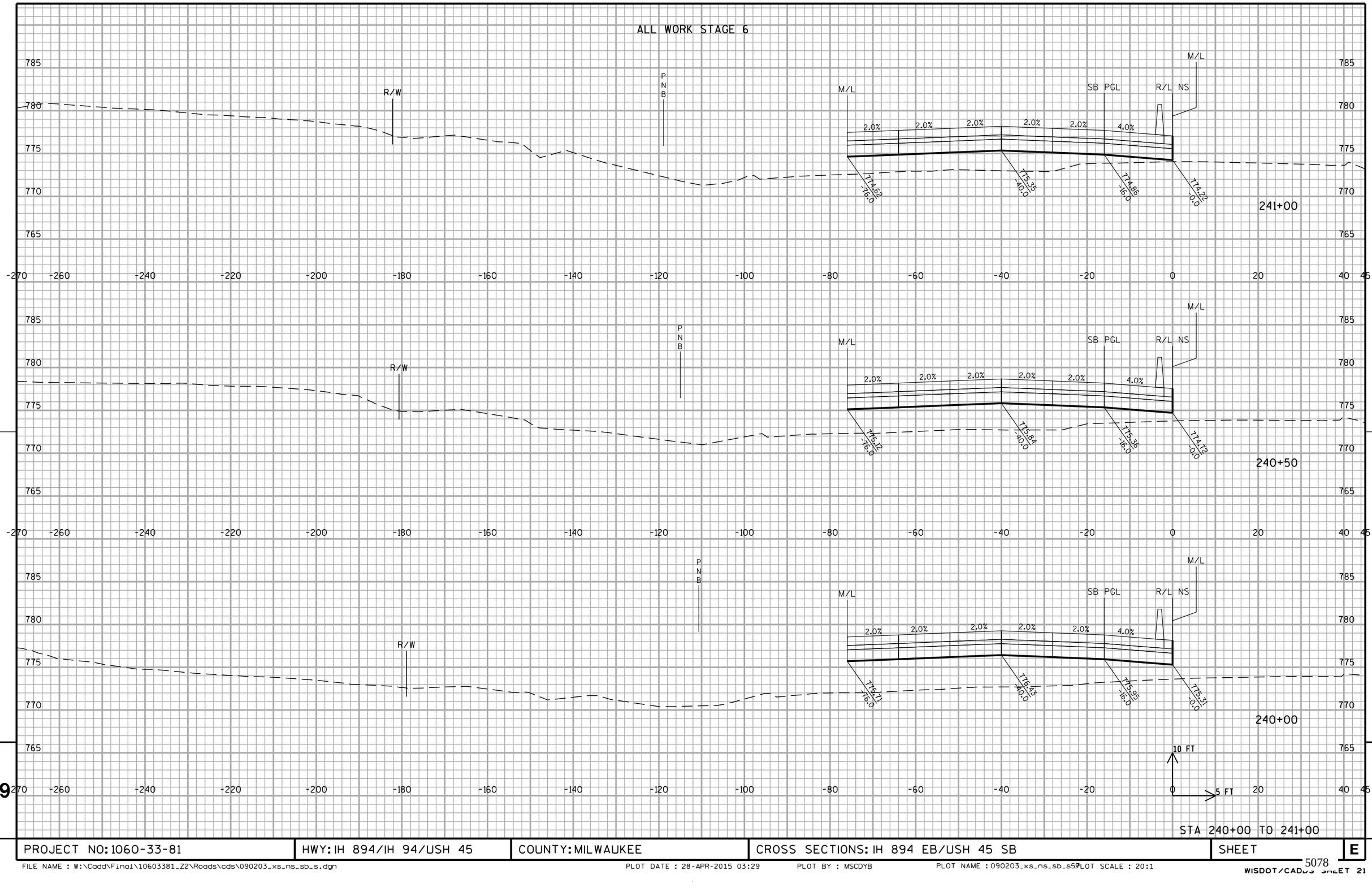
ALL WORK STAGE 6



STA 239+00 TO 239+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

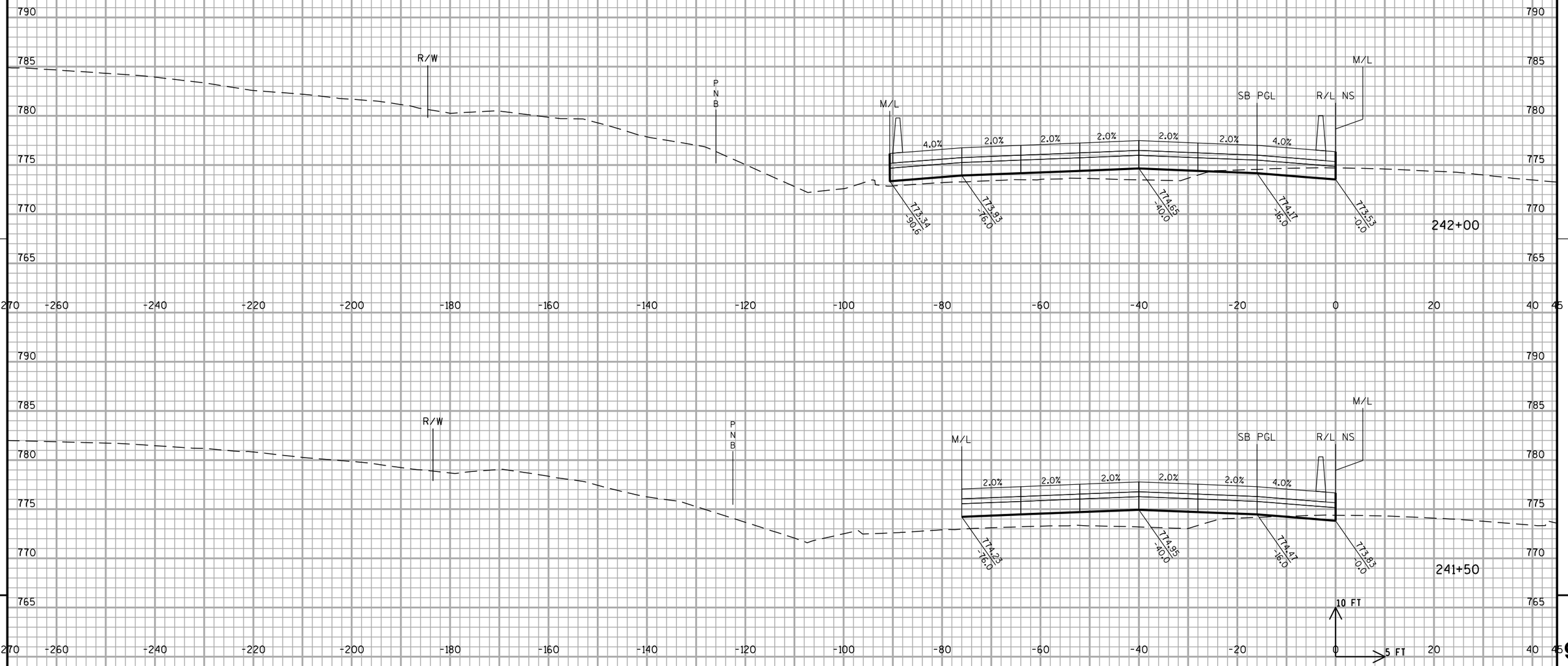


STA 240+00 TO 241+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s5 PLOT SCALE : 20:1

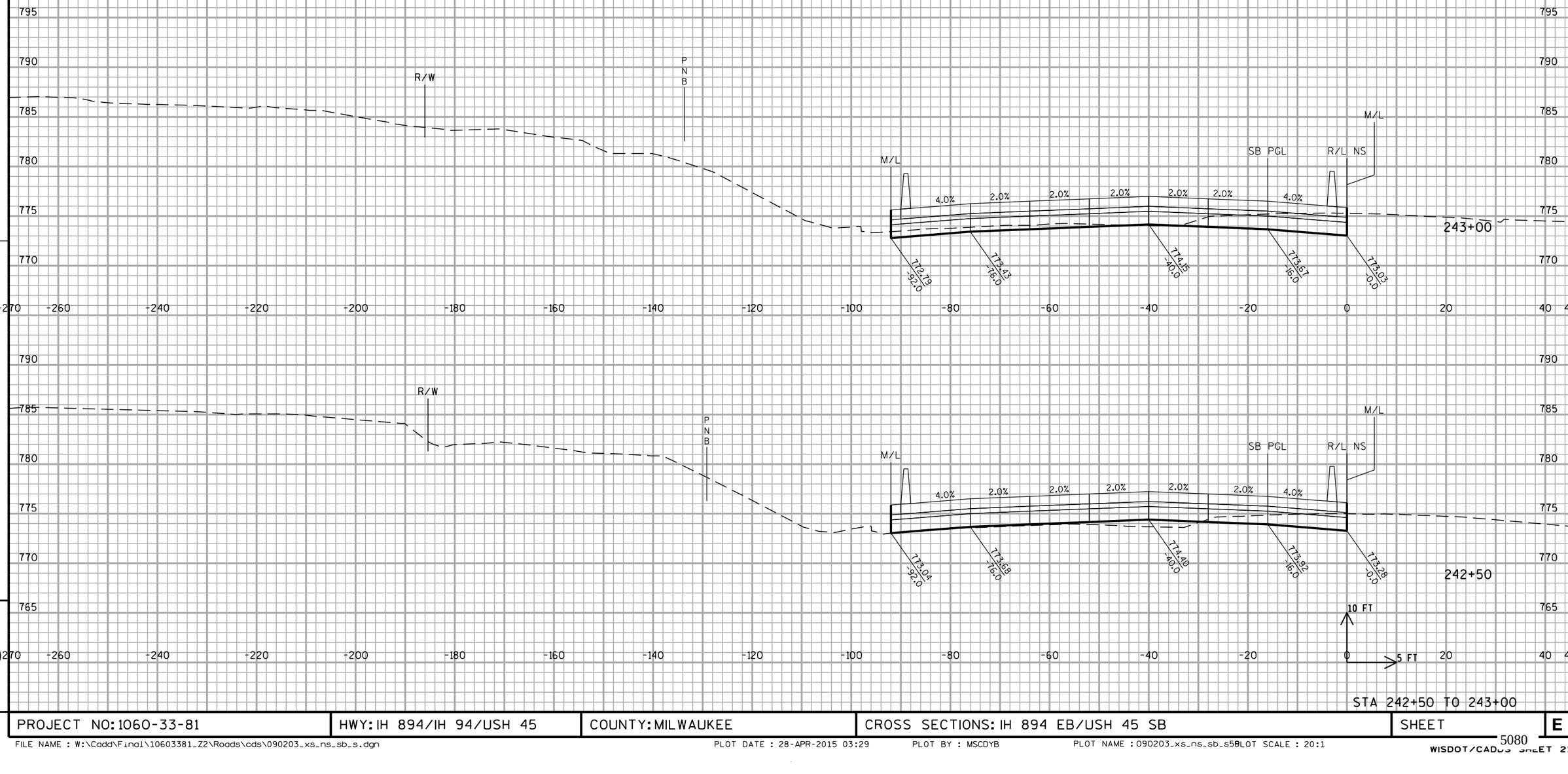
ALL WORK STAGE 6



STA 241+50 TO 242+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

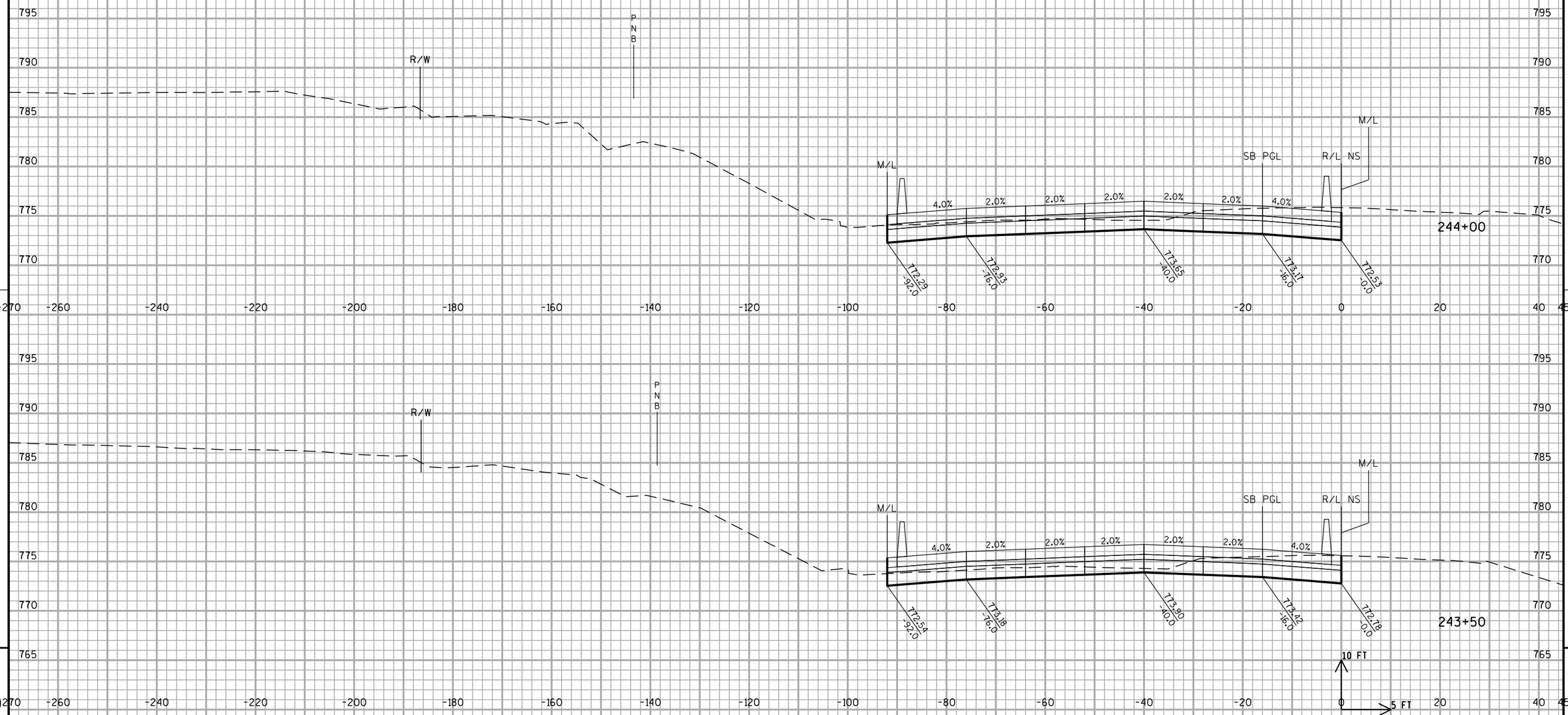
ALL WORK STAGE 6



STA 242+50 TO 243+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

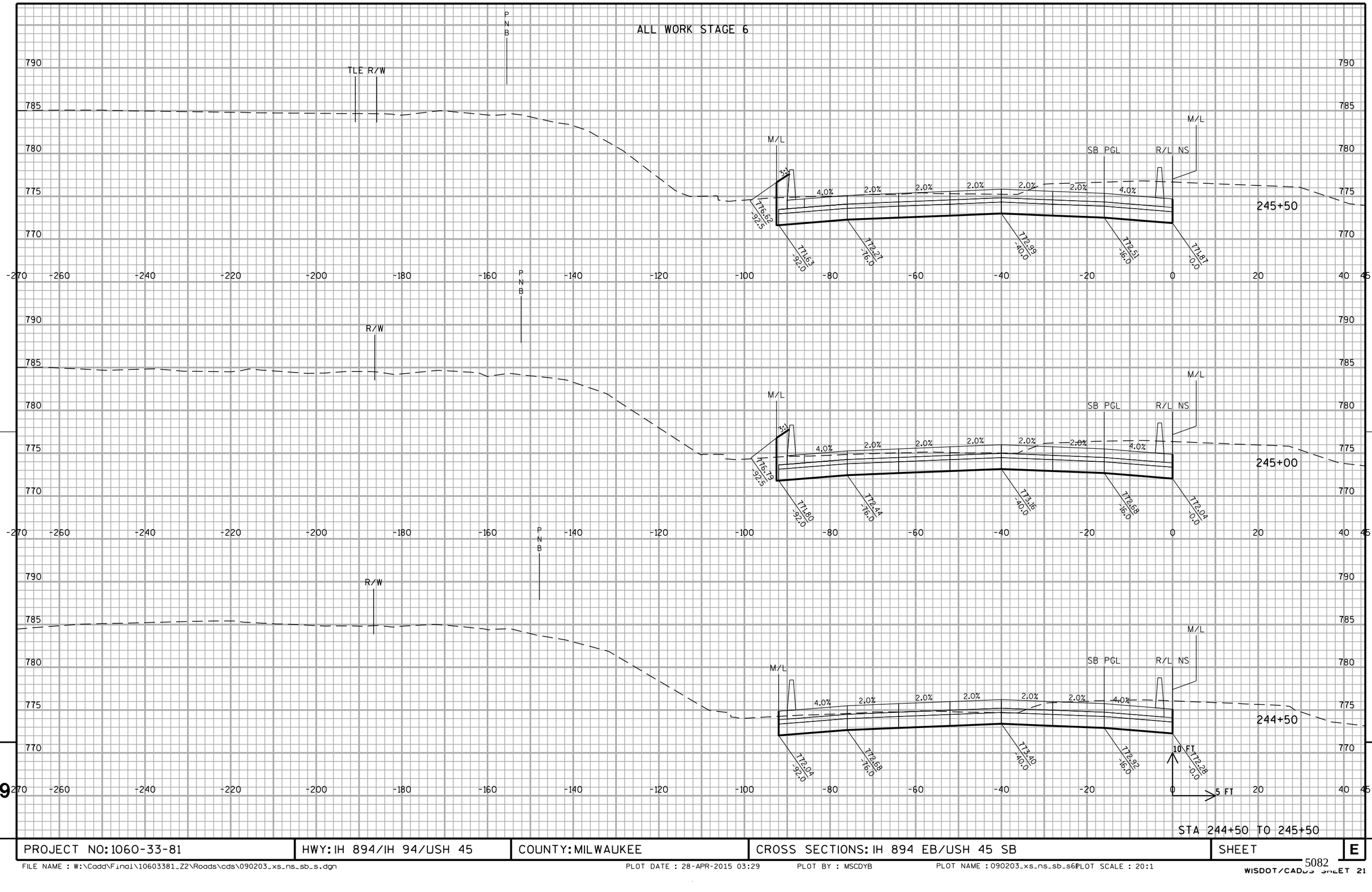


STA 243+50 TO 244+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s6P PLOT SCALE : 20:1

ALL WORK STAGE 6

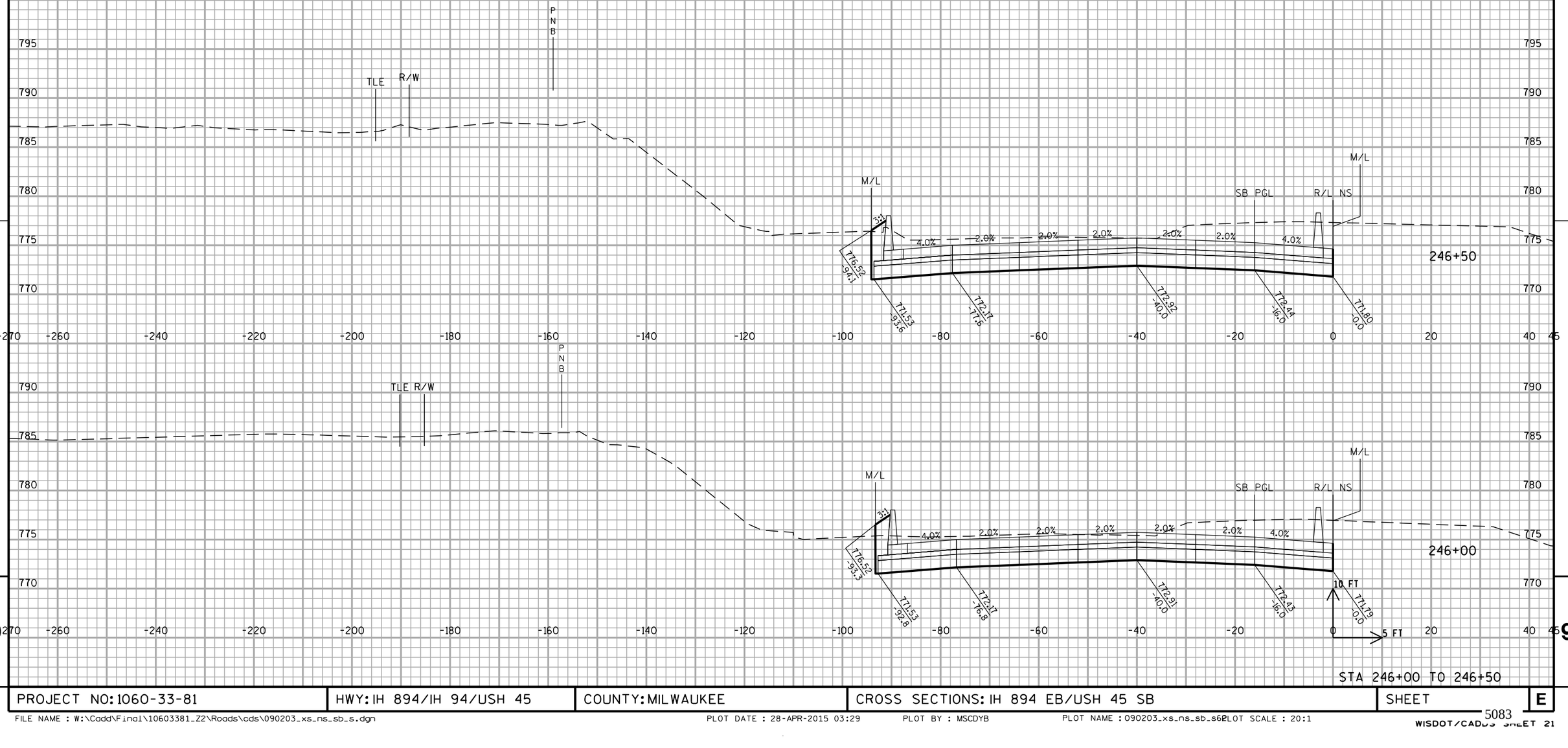


STA 244+50 TO 245+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn
PLOT DATE : 28-APR-2015 03:29
PLOT BY : MSCDYB
PLOT NAME : 090203_xs_ns_sb_s6
PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 246+00 TO 246+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s6PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

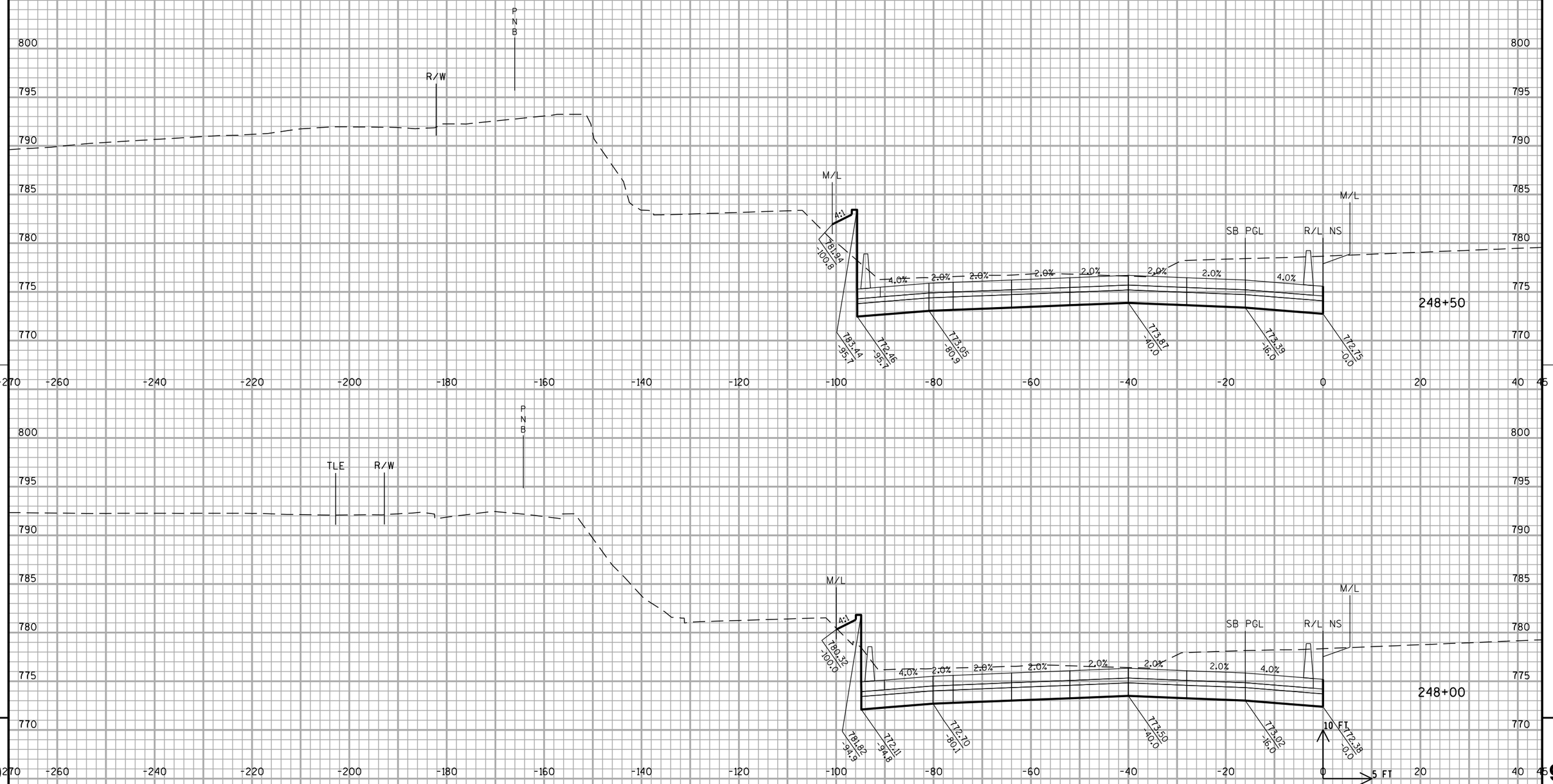
ALL WORK STAGE 6



STA 247+00 TO 247+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

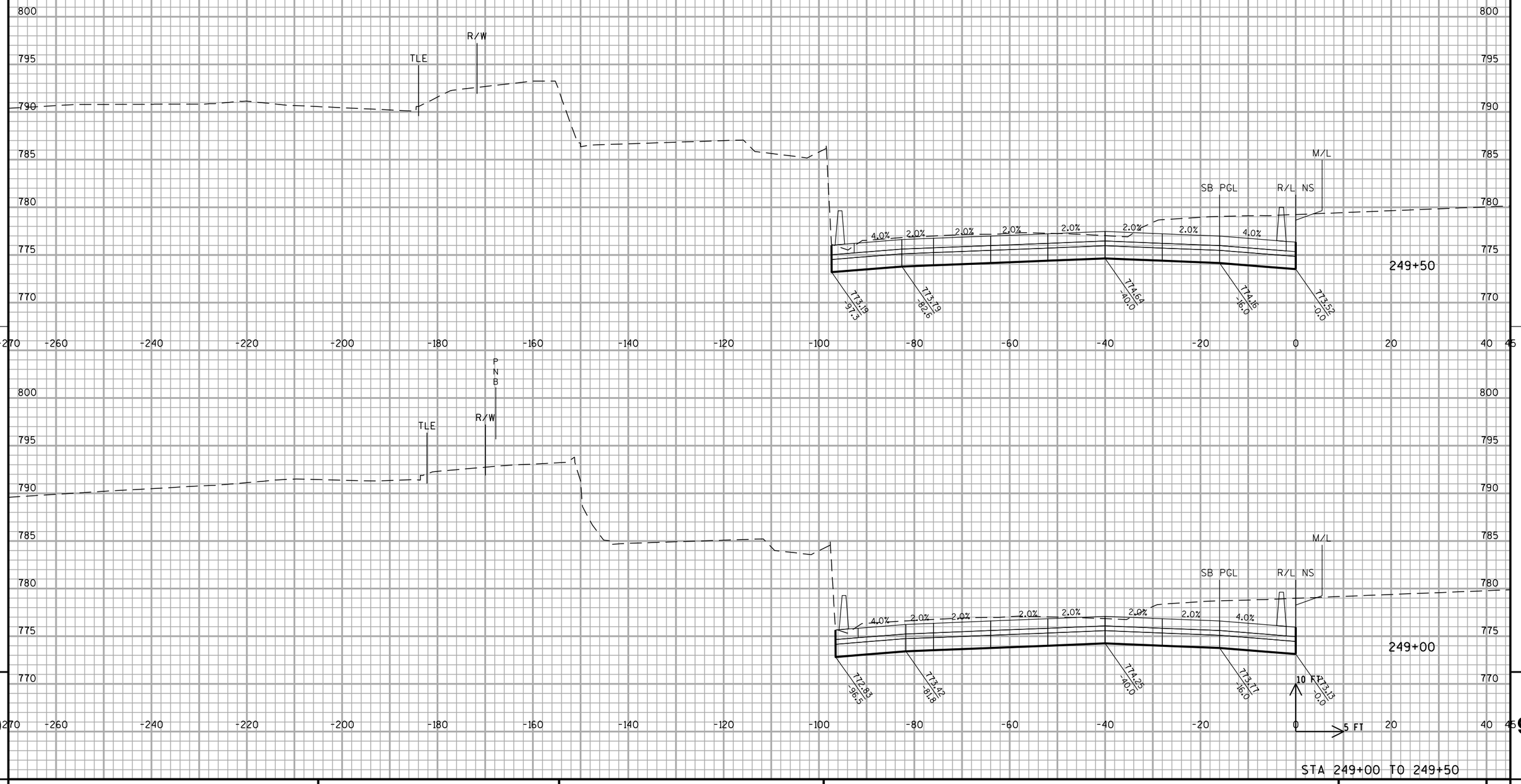
ALL WORK STAGE 6



STA 248+00 TO 248+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

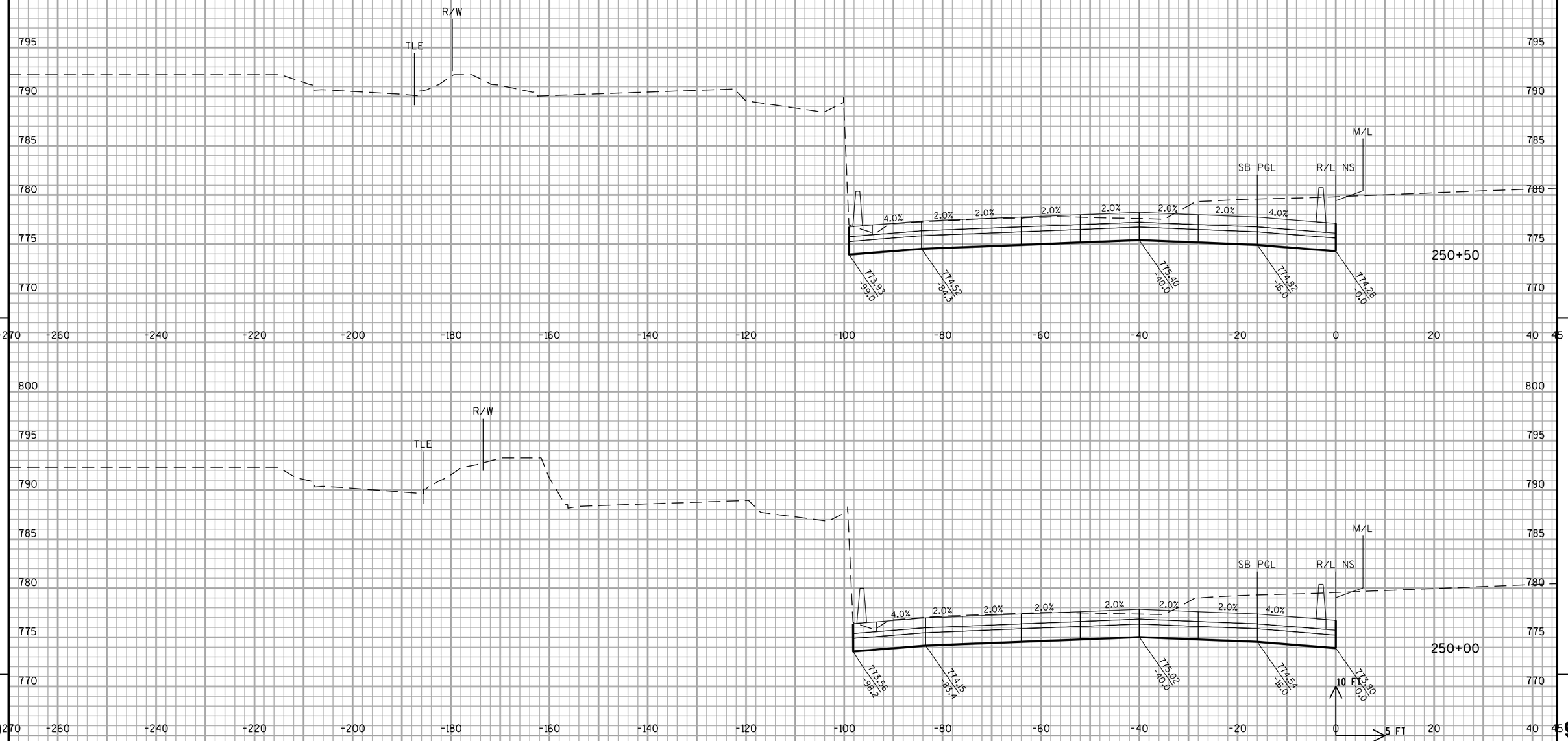
ALL WORK STAGE 6



STA 249+00 TO 249+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



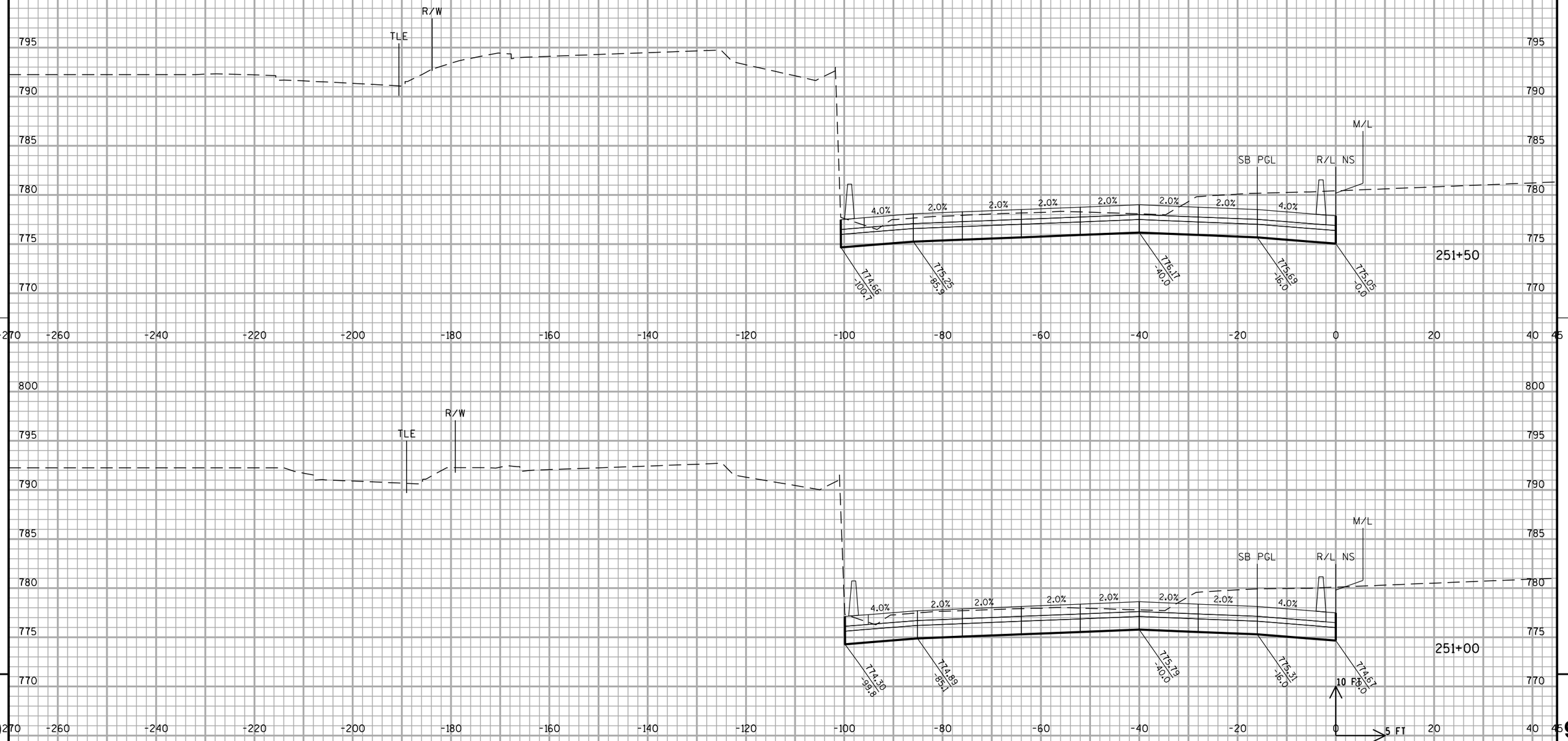
STA 250+00 TO 250+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s6B PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

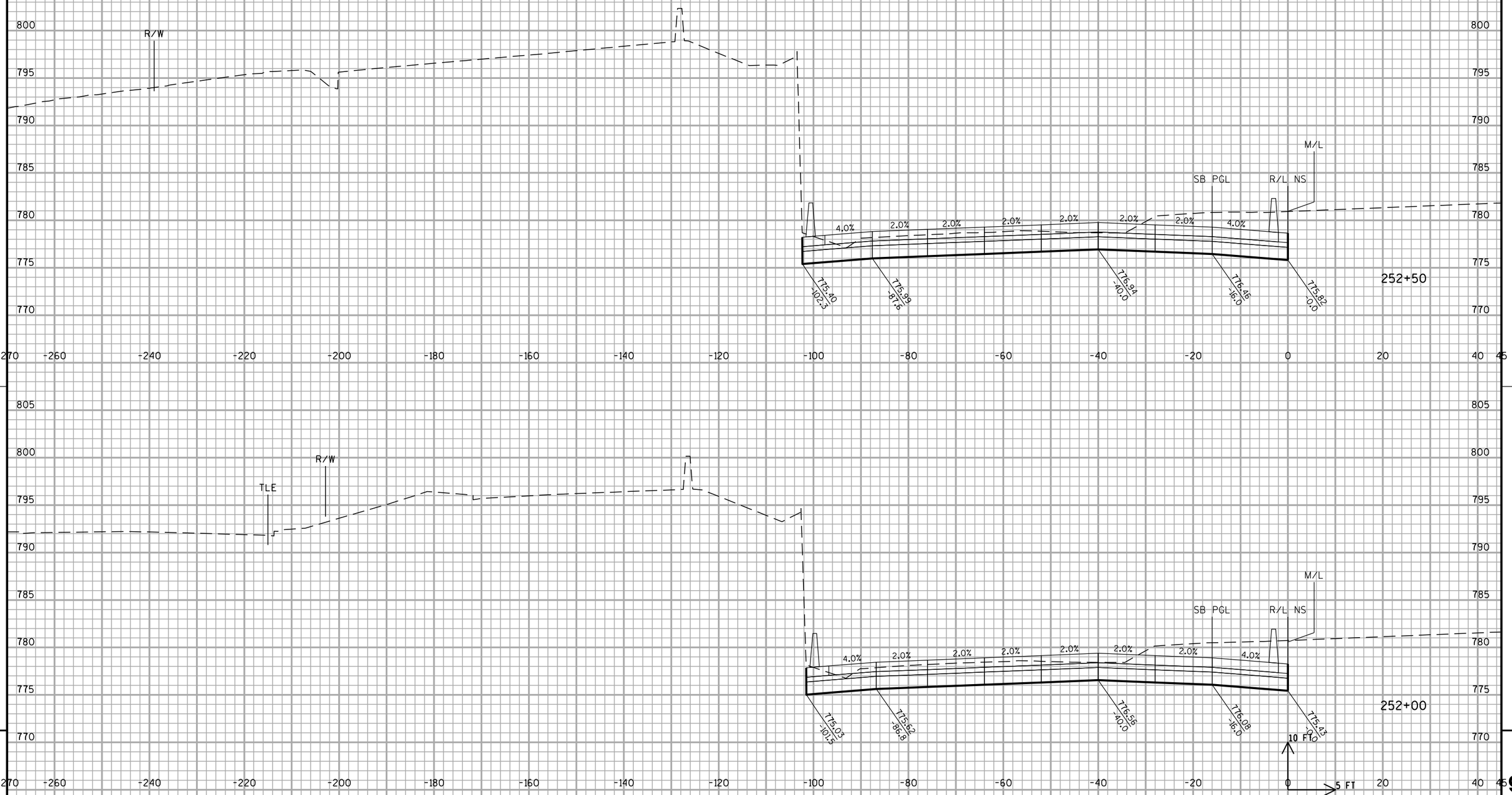
ALL WORK STAGE 6



STA 251+00 TO 251+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

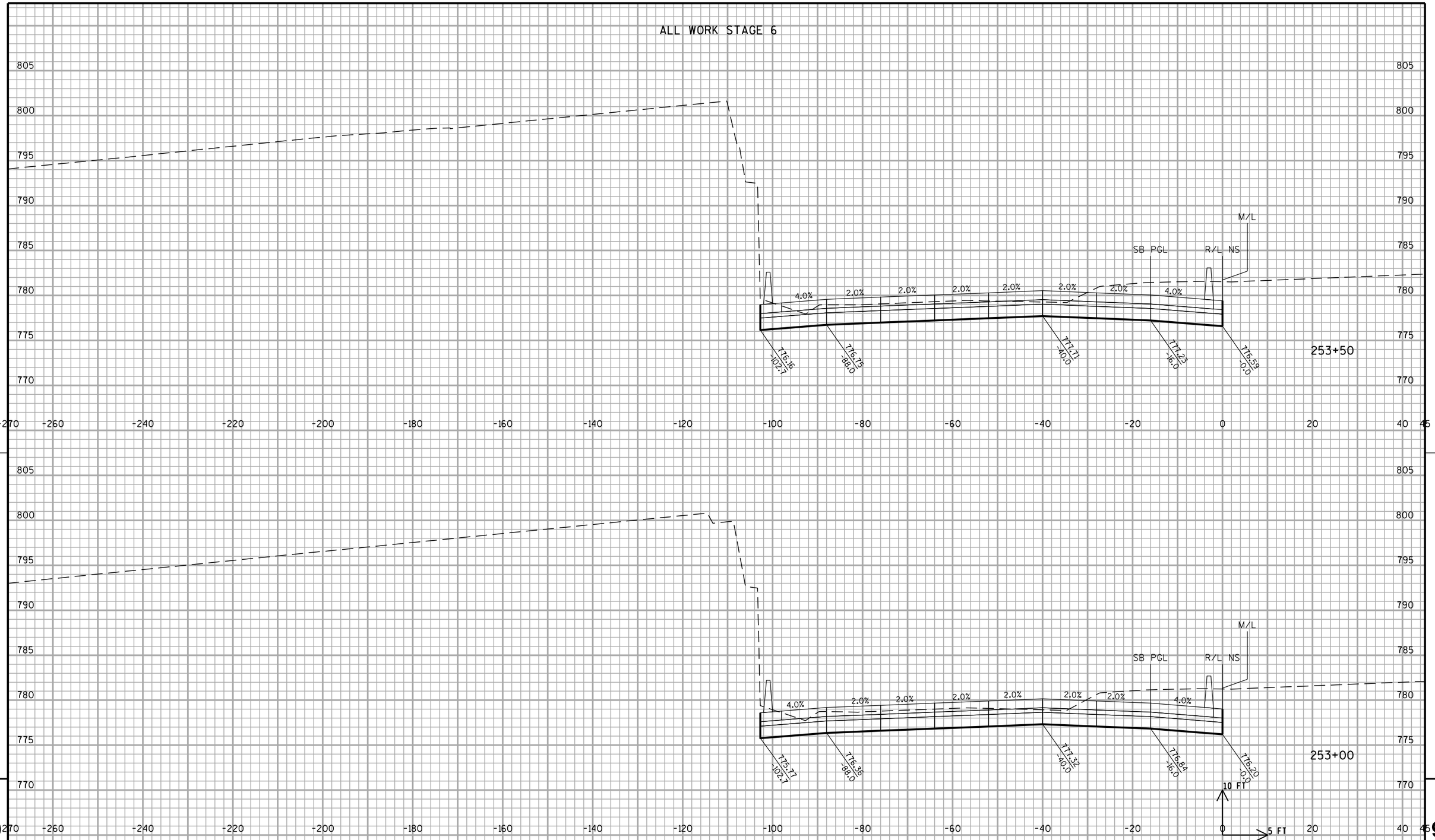
ALL WORK STAGE 6



STA 252+00 TO 252+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

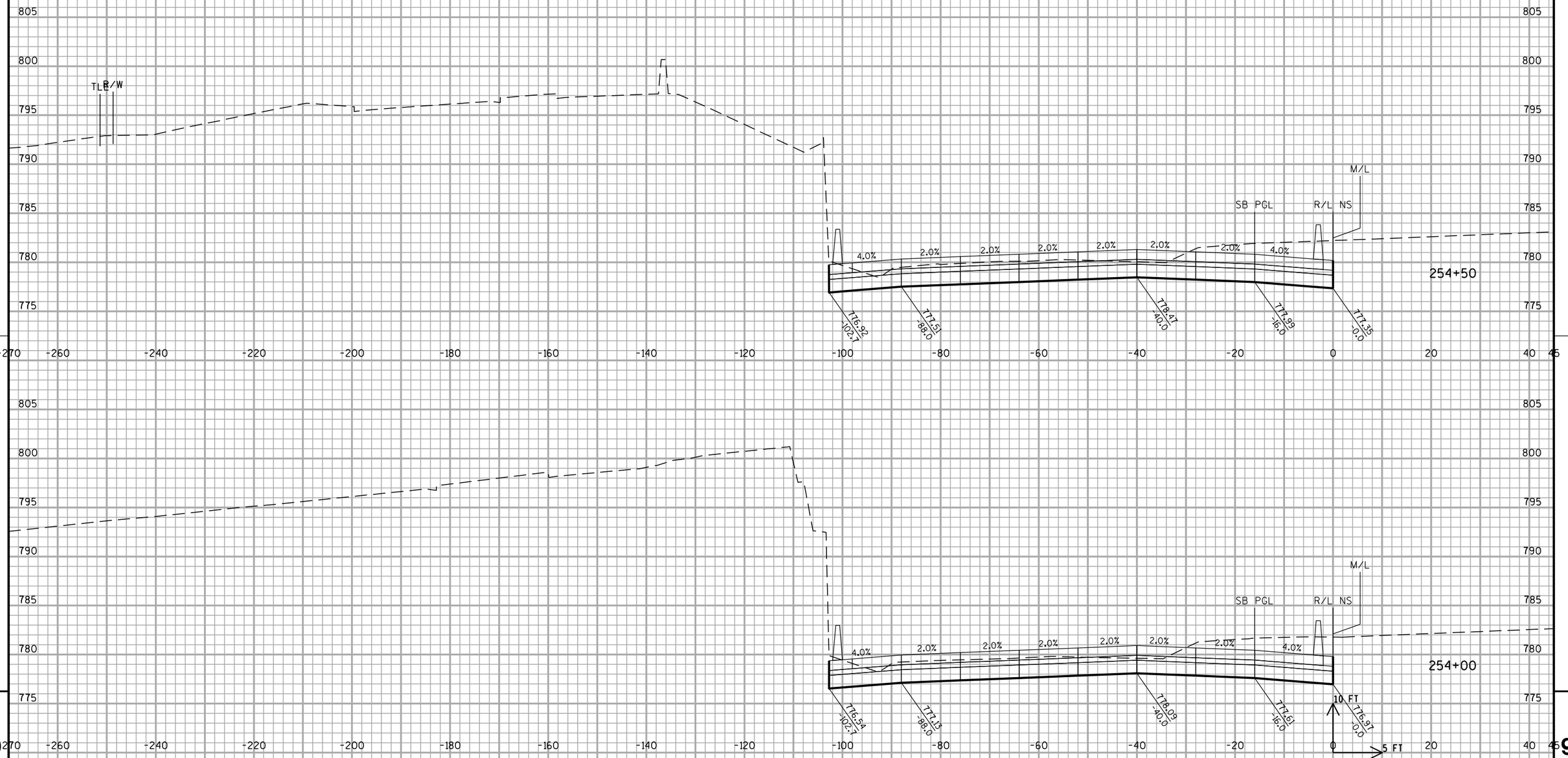
ALL WORK STAGE 6



STA 253+00 TO 253+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

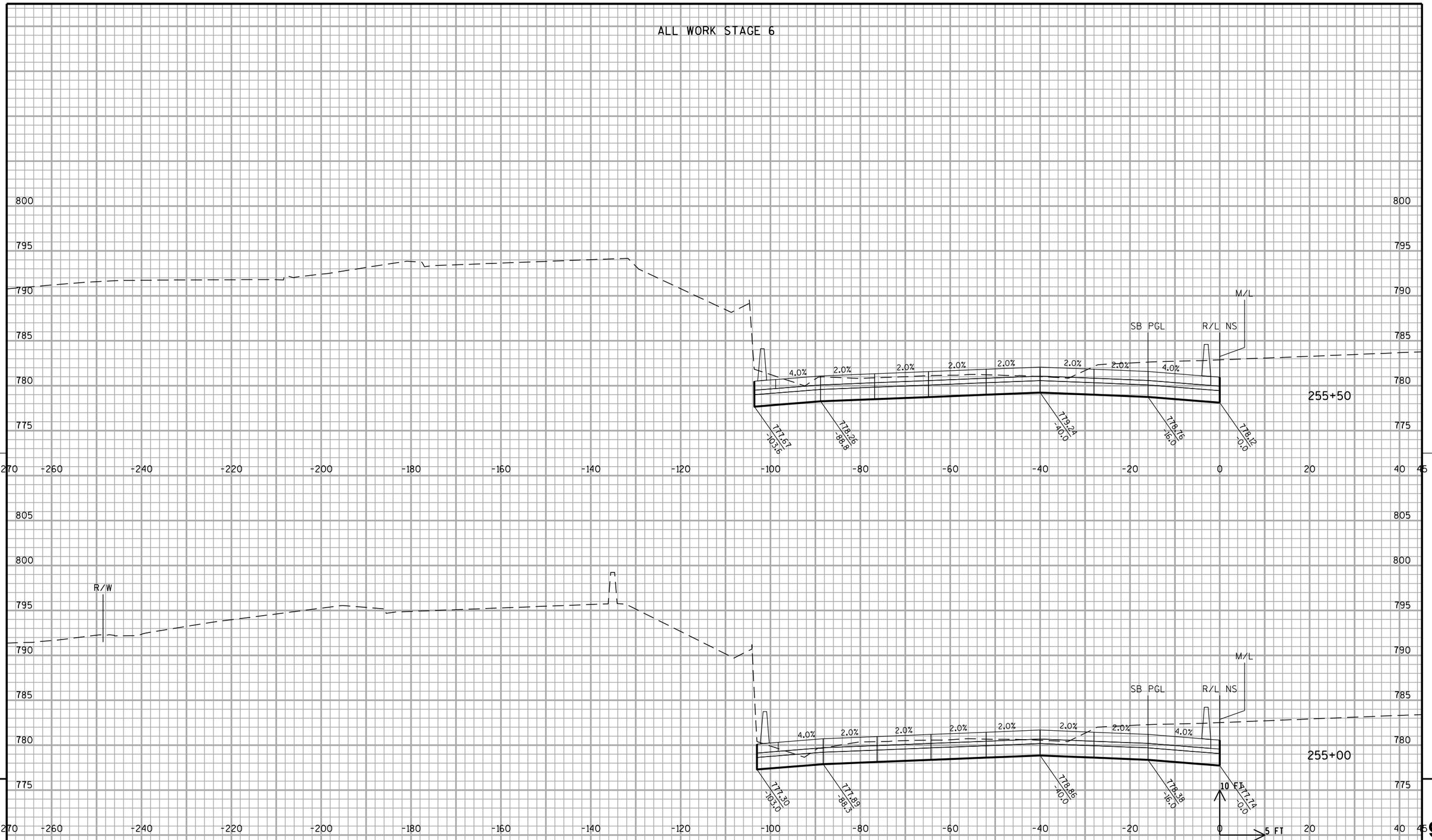
ALL WORK STAGE 6



STA 254+00 TO 254+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

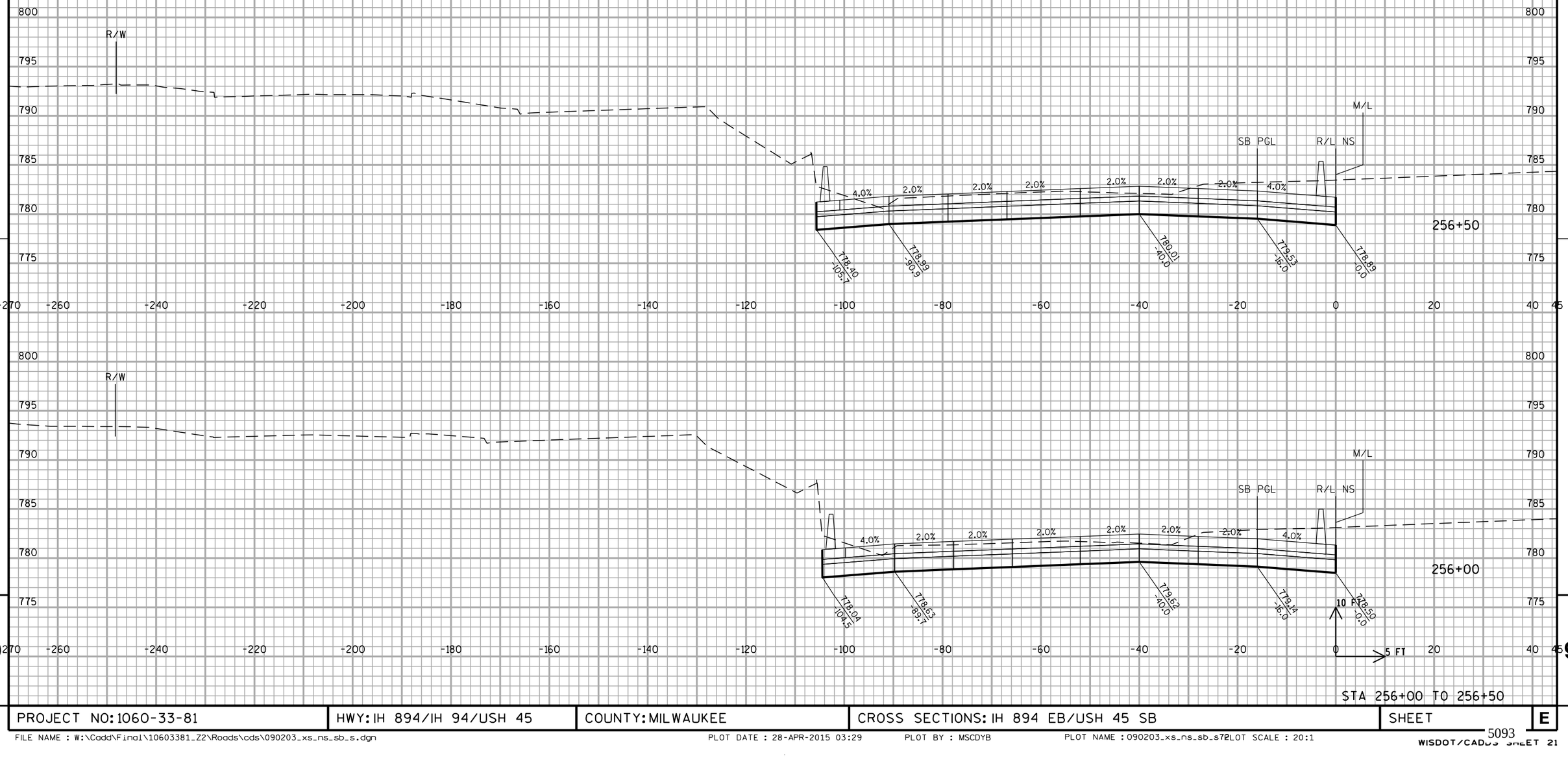
ALL WORK STAGE 6



STA 255+00 TO 255+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

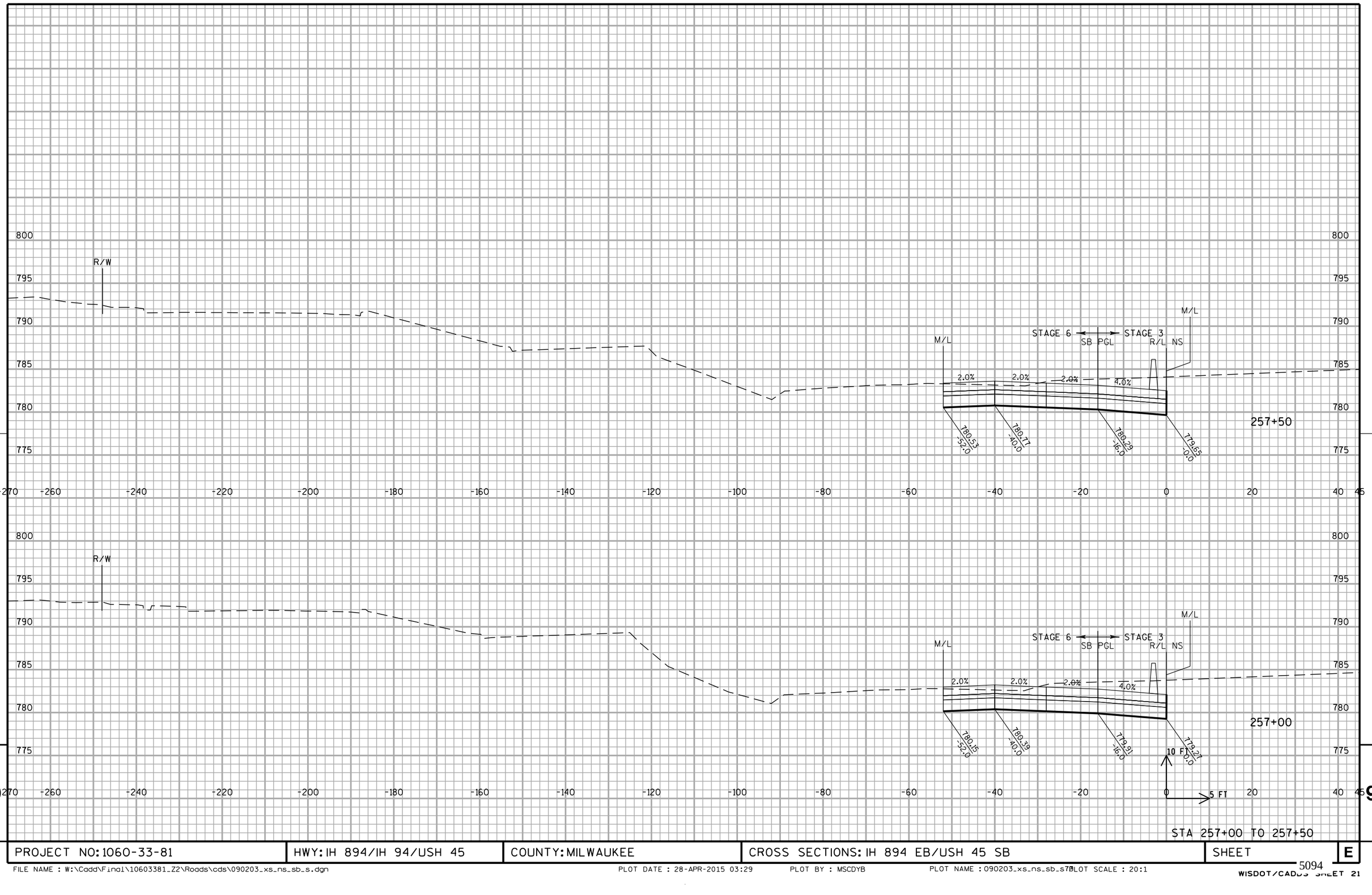
ALL WORK STAGE 6



STA 256+00 TO 256+50

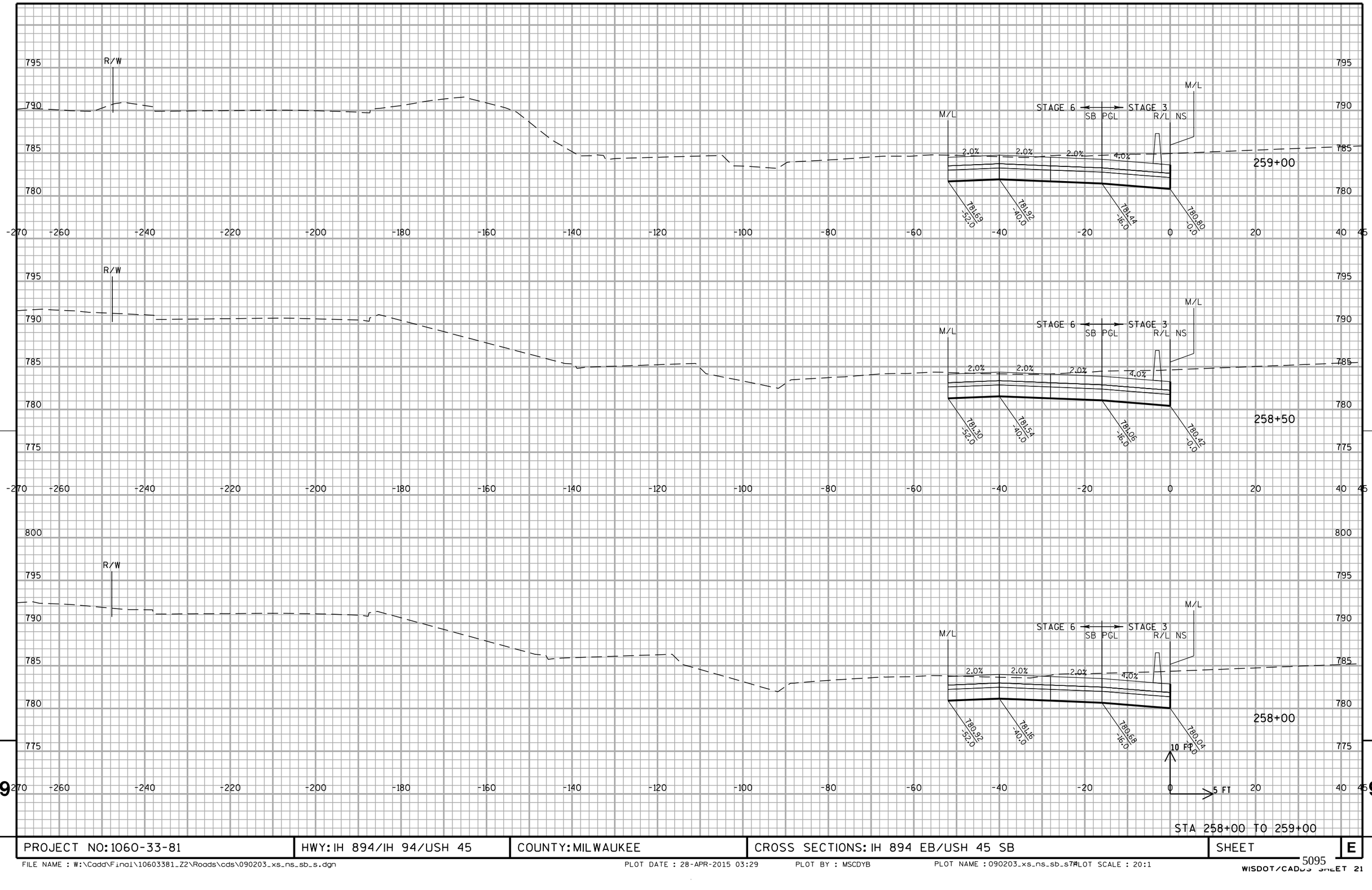
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s72 PLOT SCALE : 20:1



STA 257+00 TO 257+50

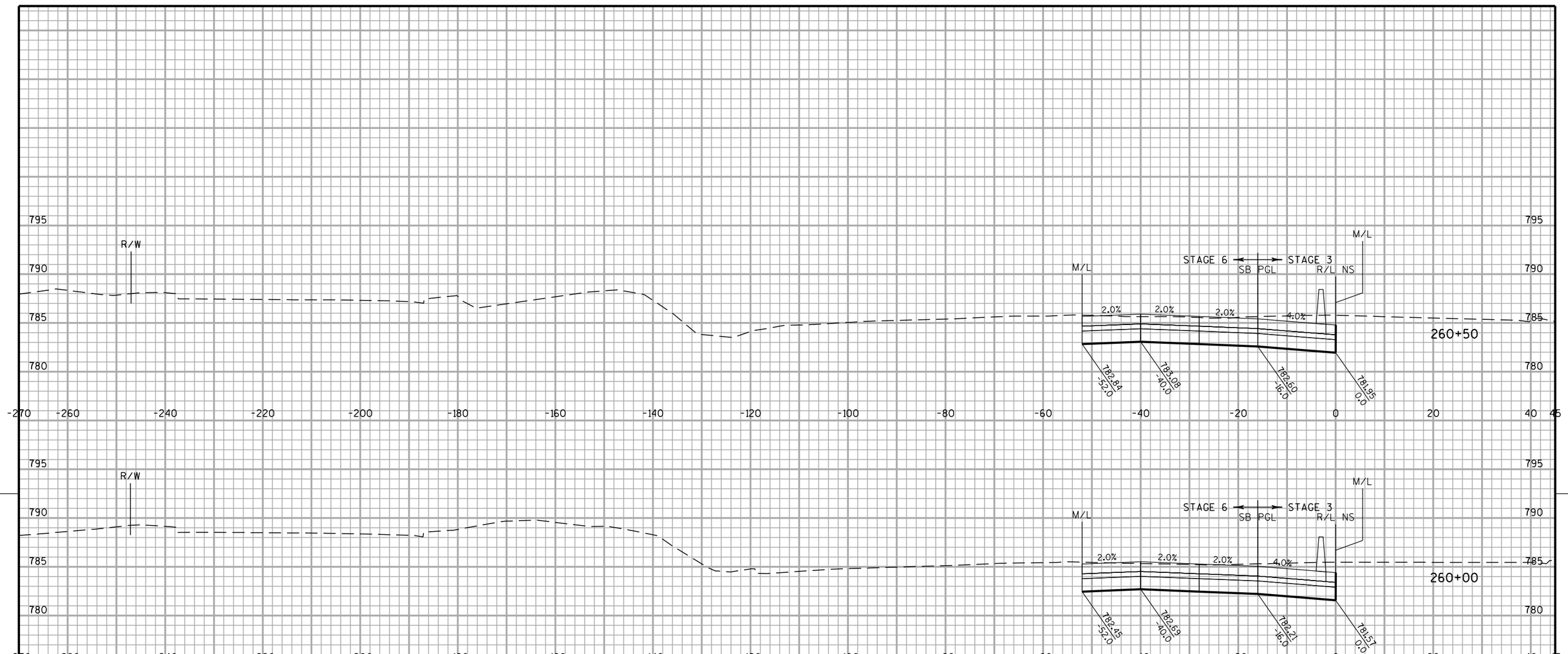
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



STA 258+00 TO 259+00

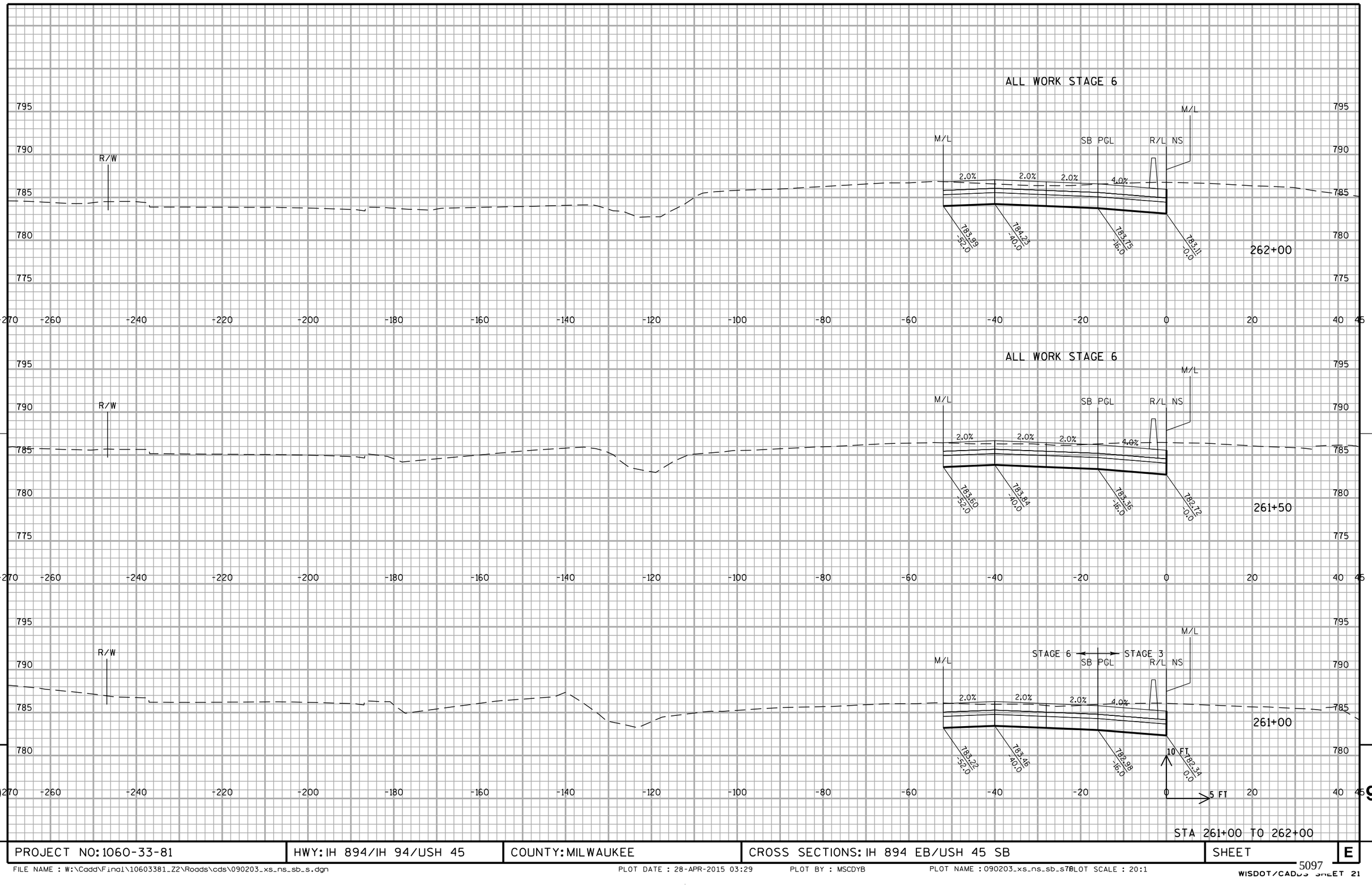
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s7 PLOT SCALE : 20:1



STA 259+50 TO 260+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

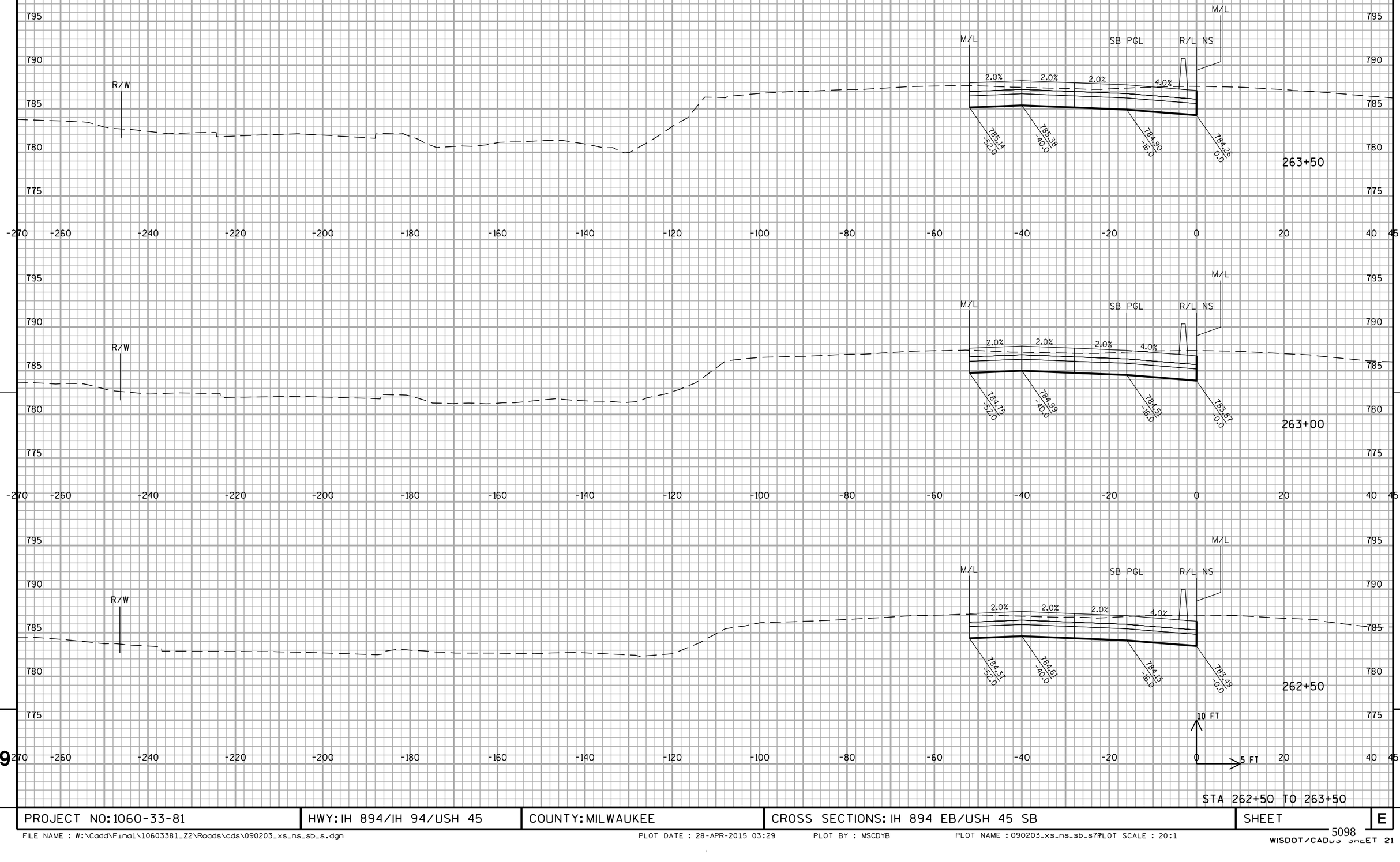


STA 261+00 TO 262+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s78LOT SCALE : 20:1

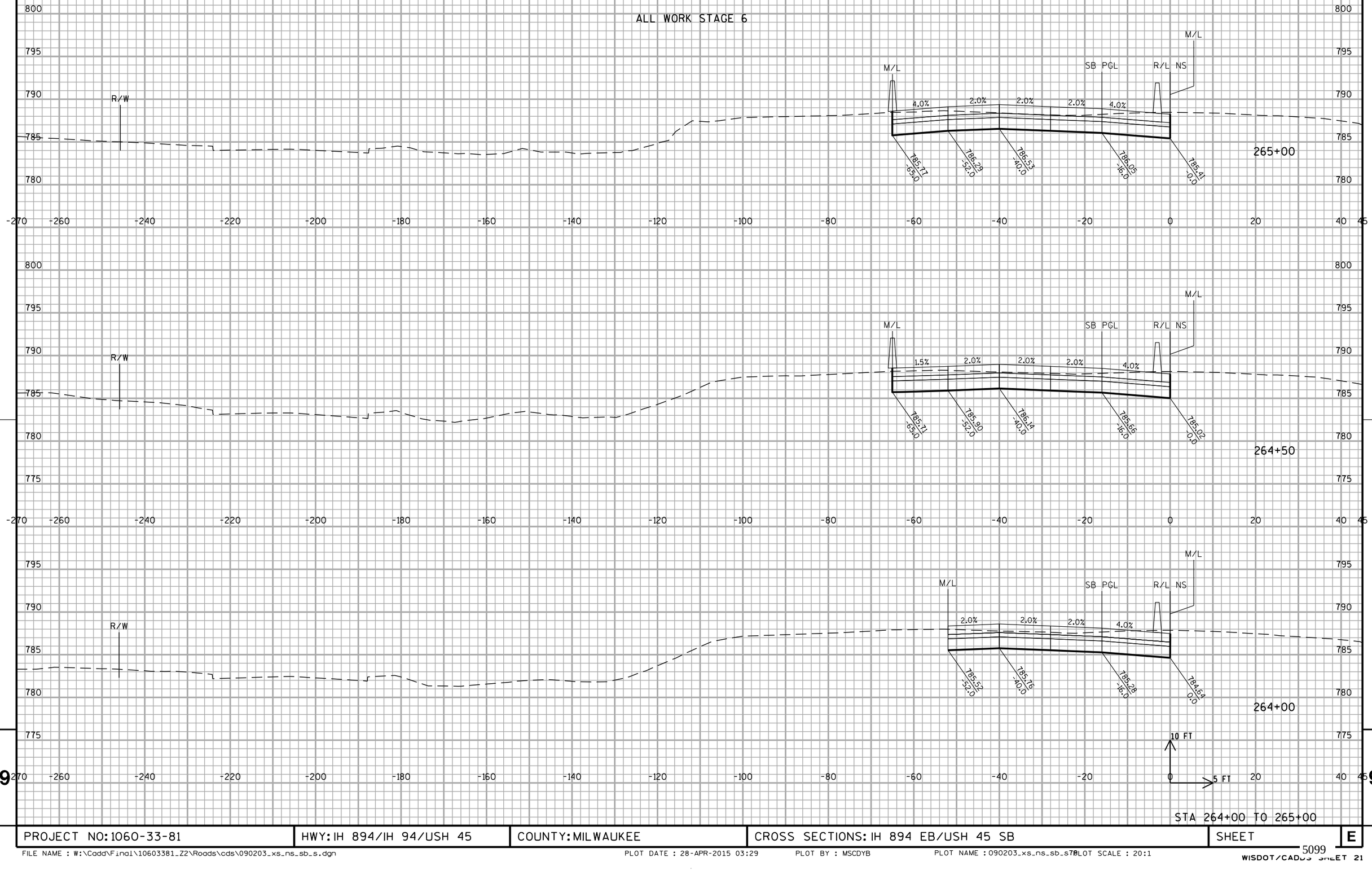
ALL WORK STAGE 6



STA 262+50 TO 263+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

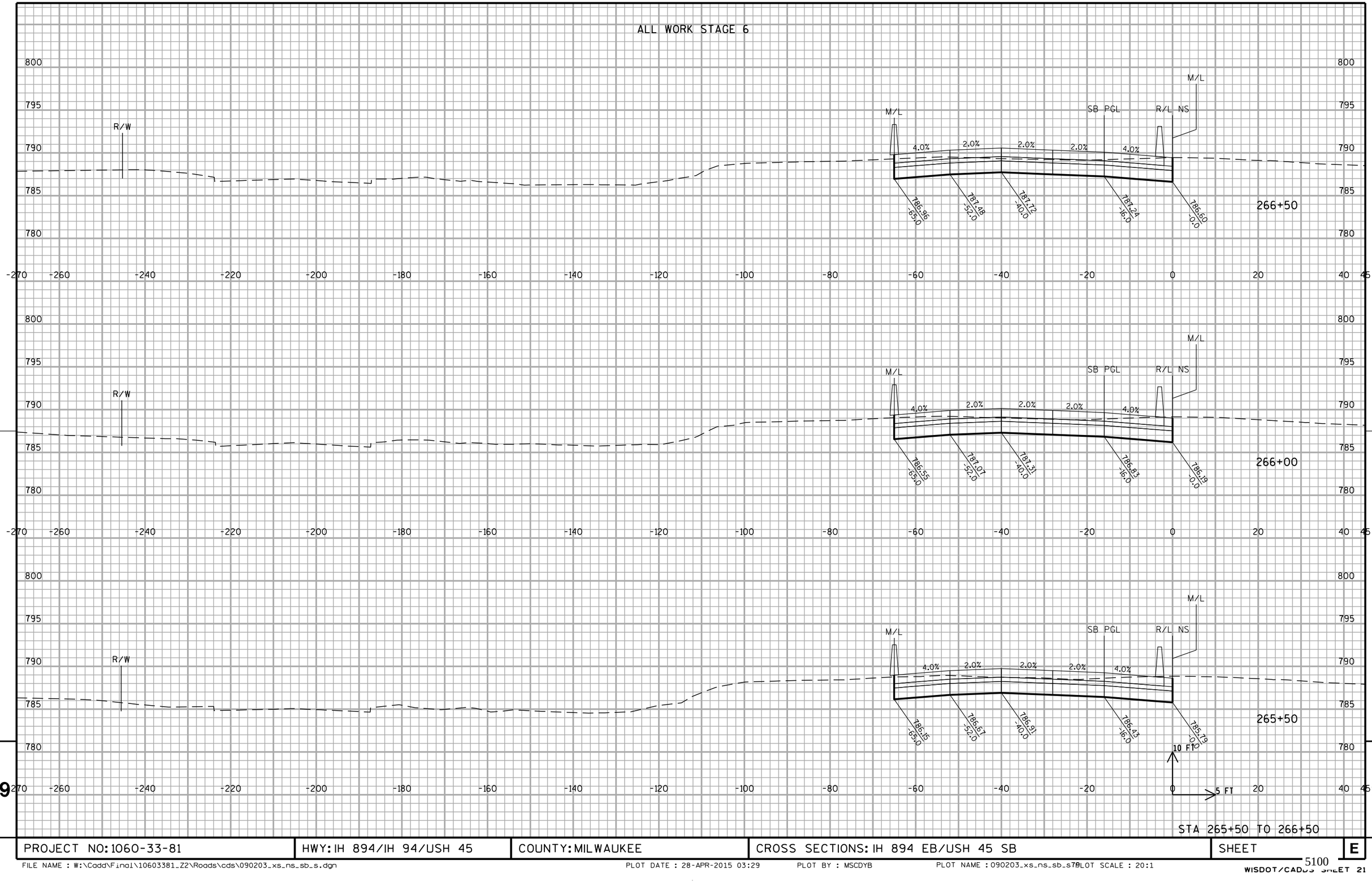


STA 264+00 TO 265+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s78 PLOT SCALE : 20:1

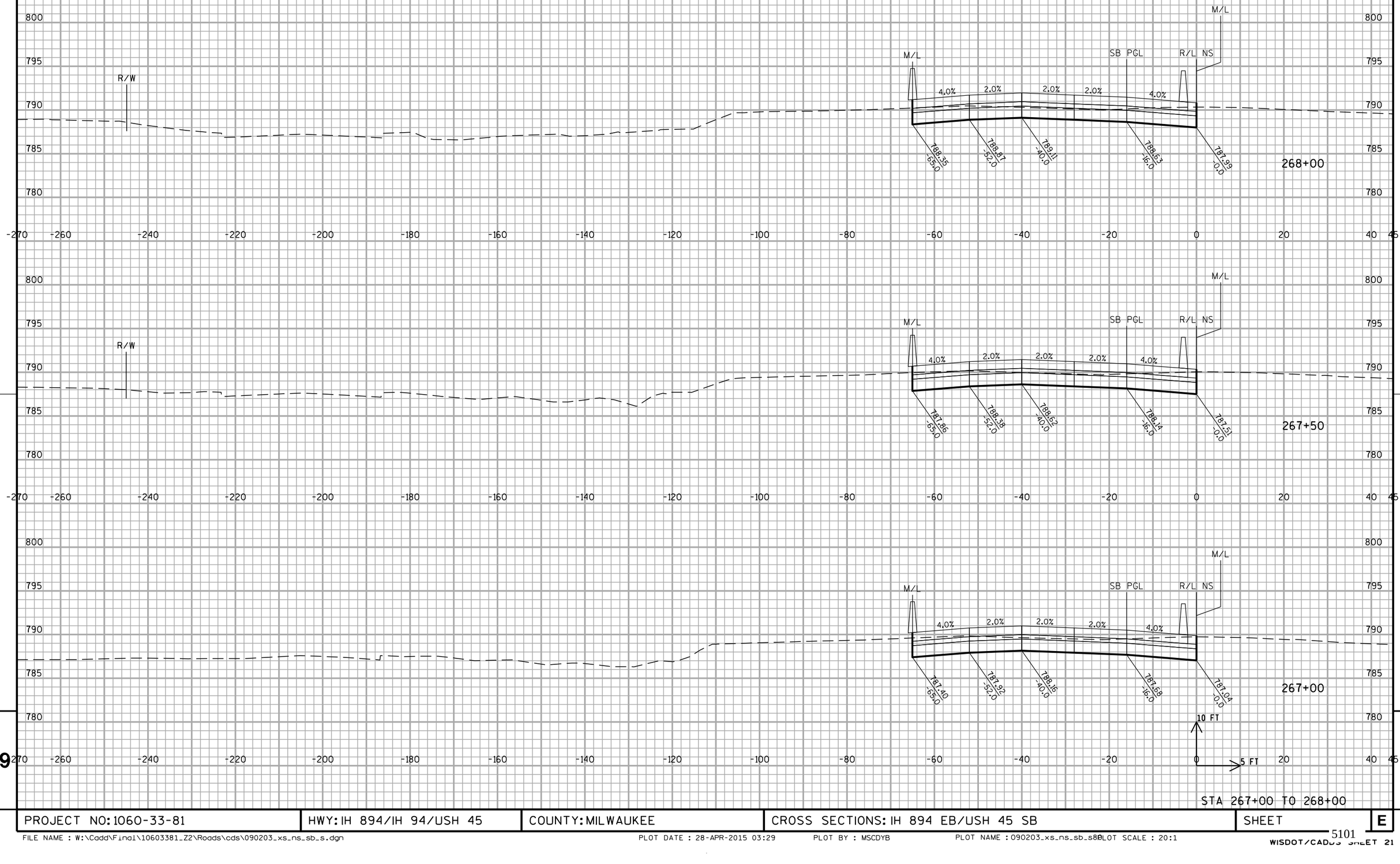
ALL WORK STAGE 6



STA 265+50 TO 266+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

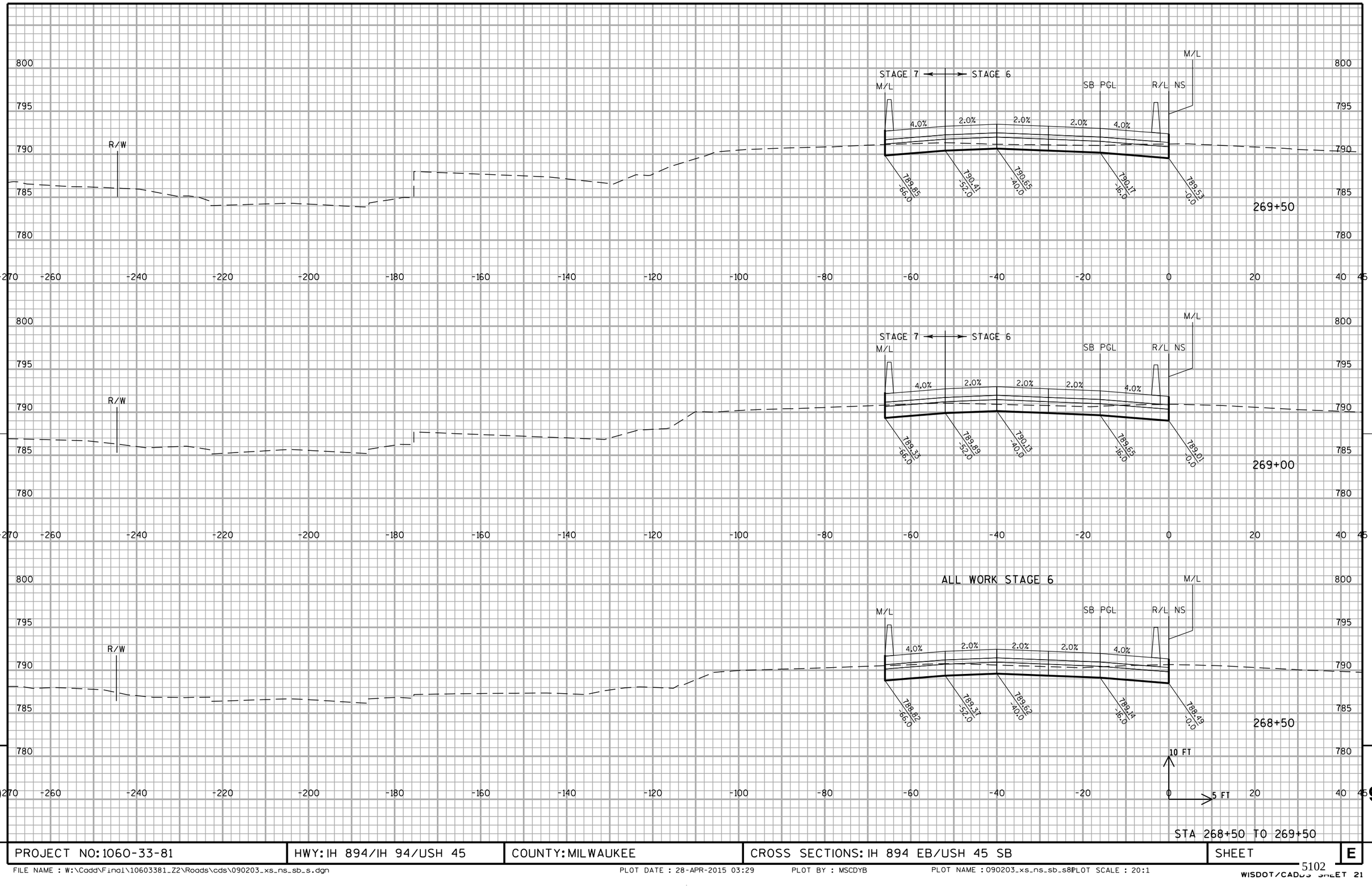
ALL WORK STAGE 6



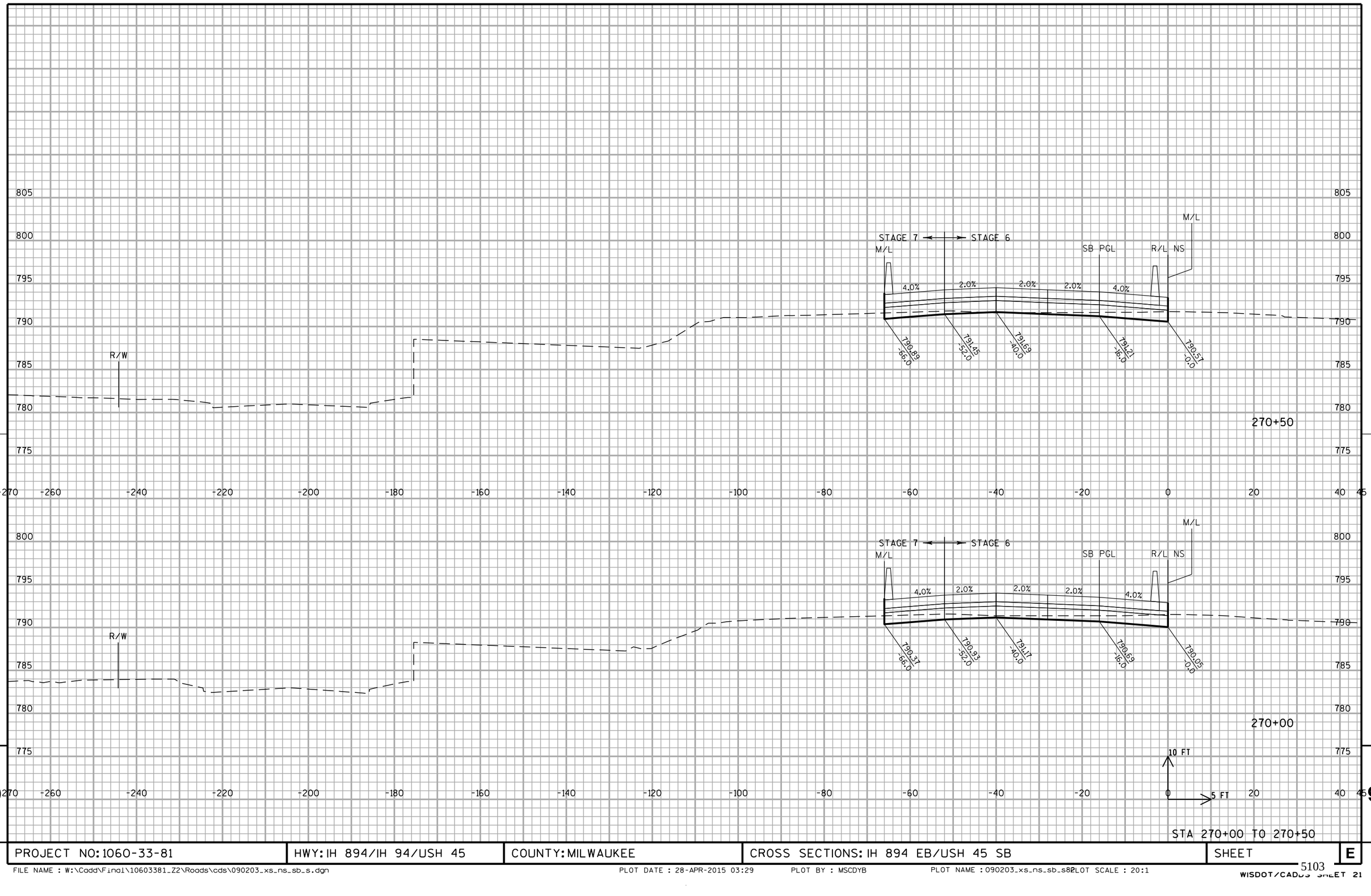
STA 267+00 TO 268+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s8D PLOT SCALE : 20:1

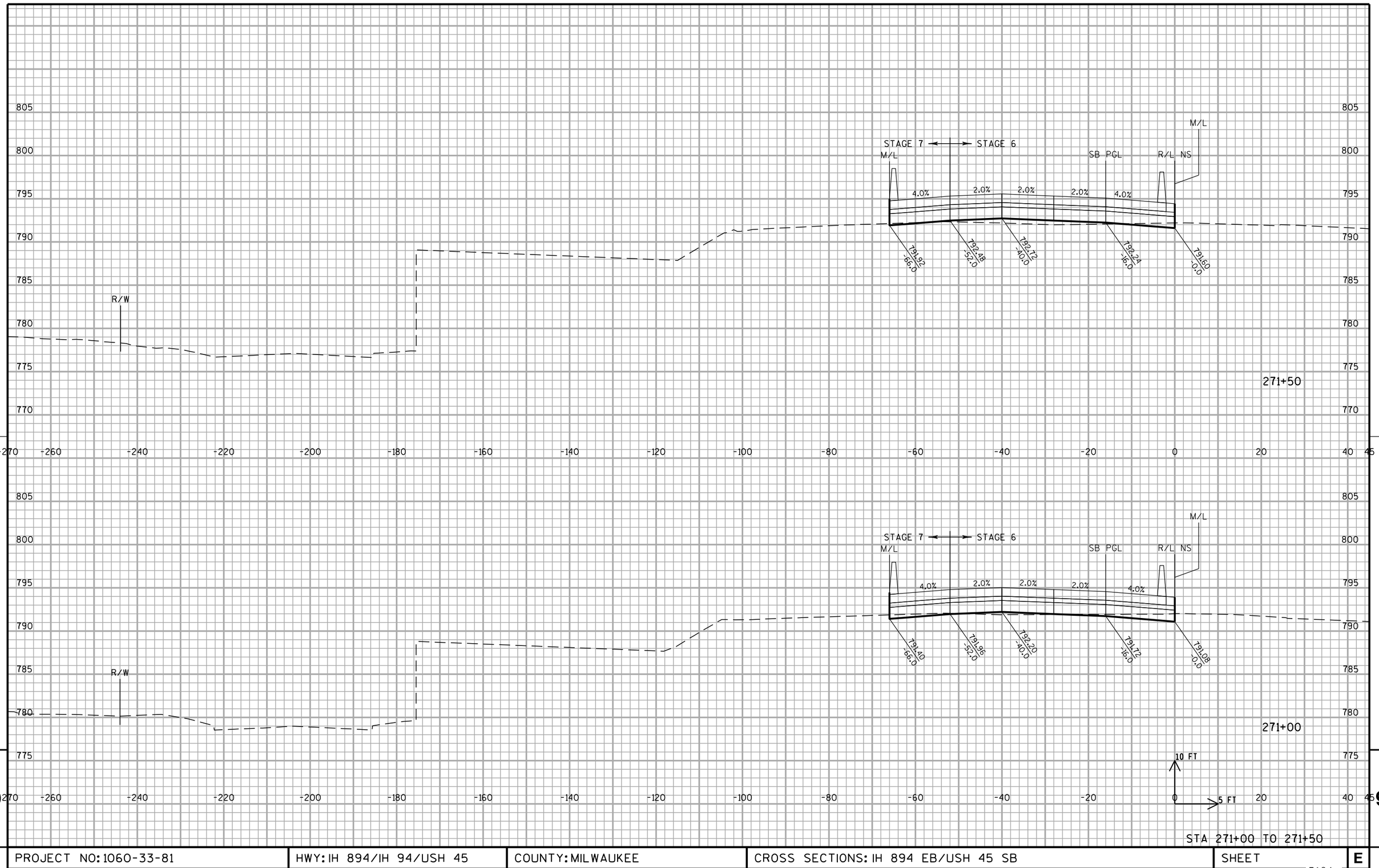


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



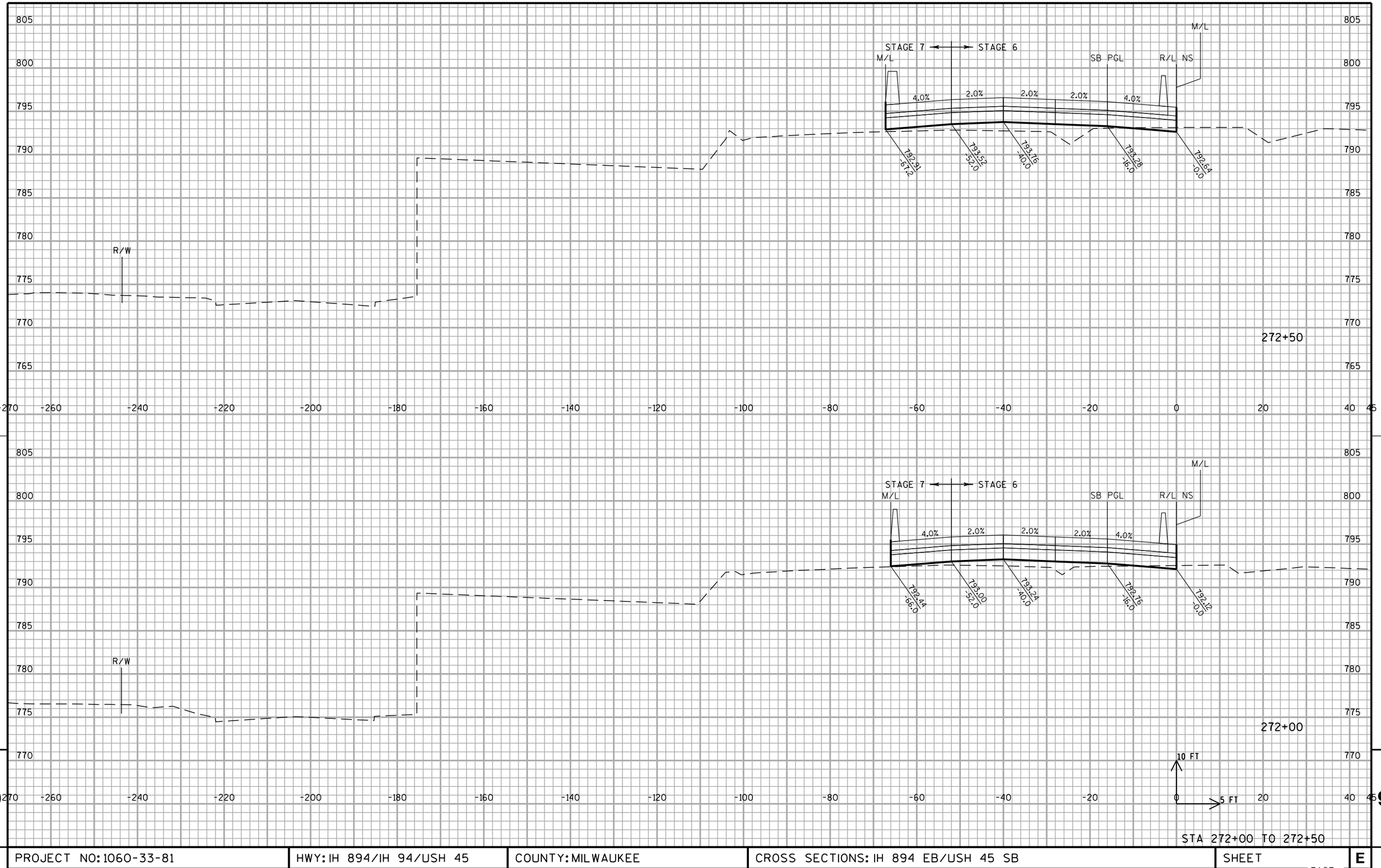
STA 270+00 TO 270+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E



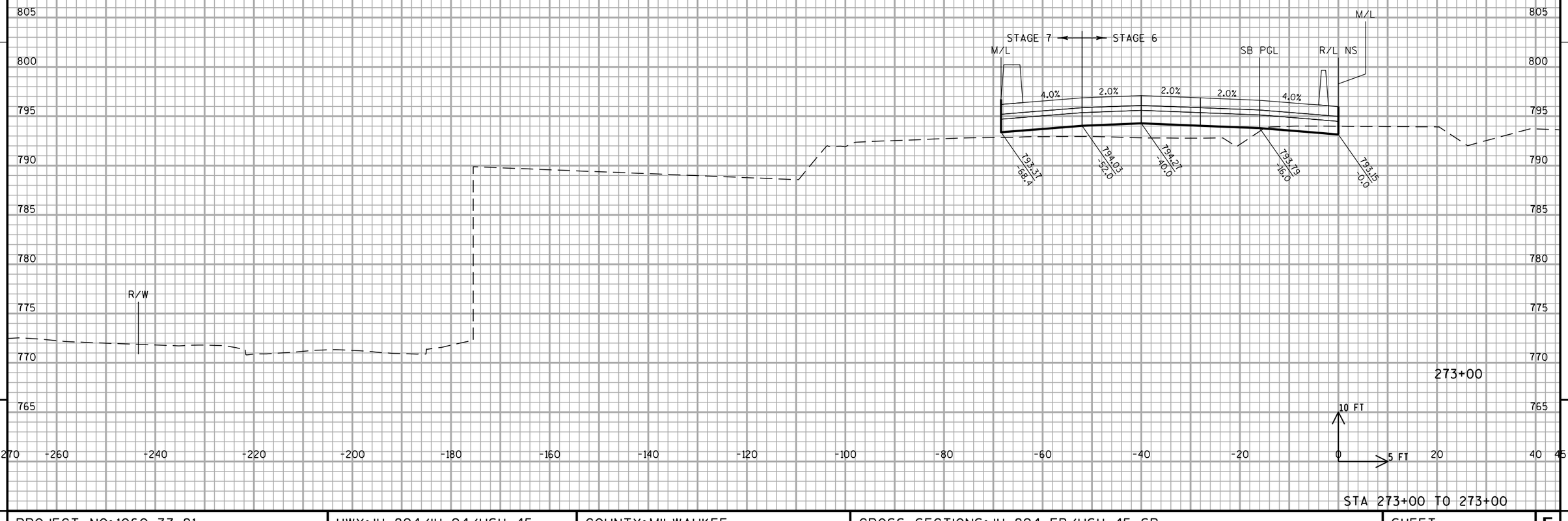
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET E

STA 271+00 TO 271+50



STA 272+00 TO 272+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

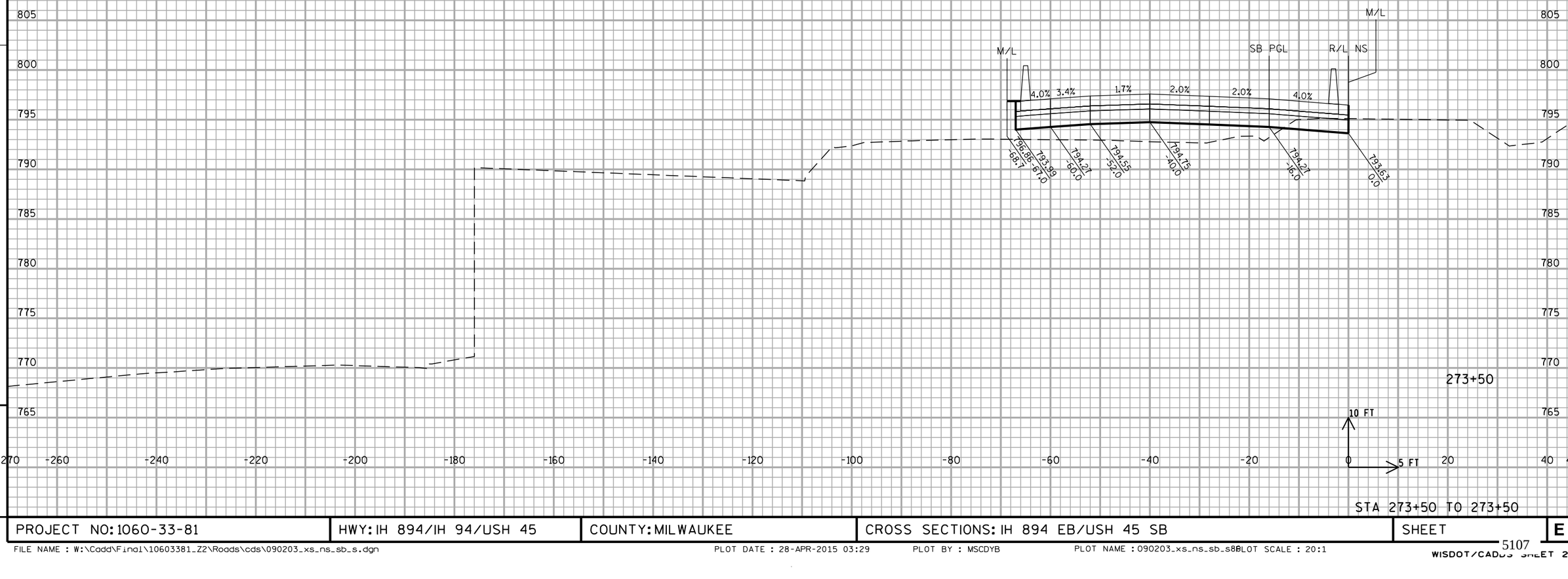


STA 273+00 TO 273+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s8 PLOT SCALE : 20:1

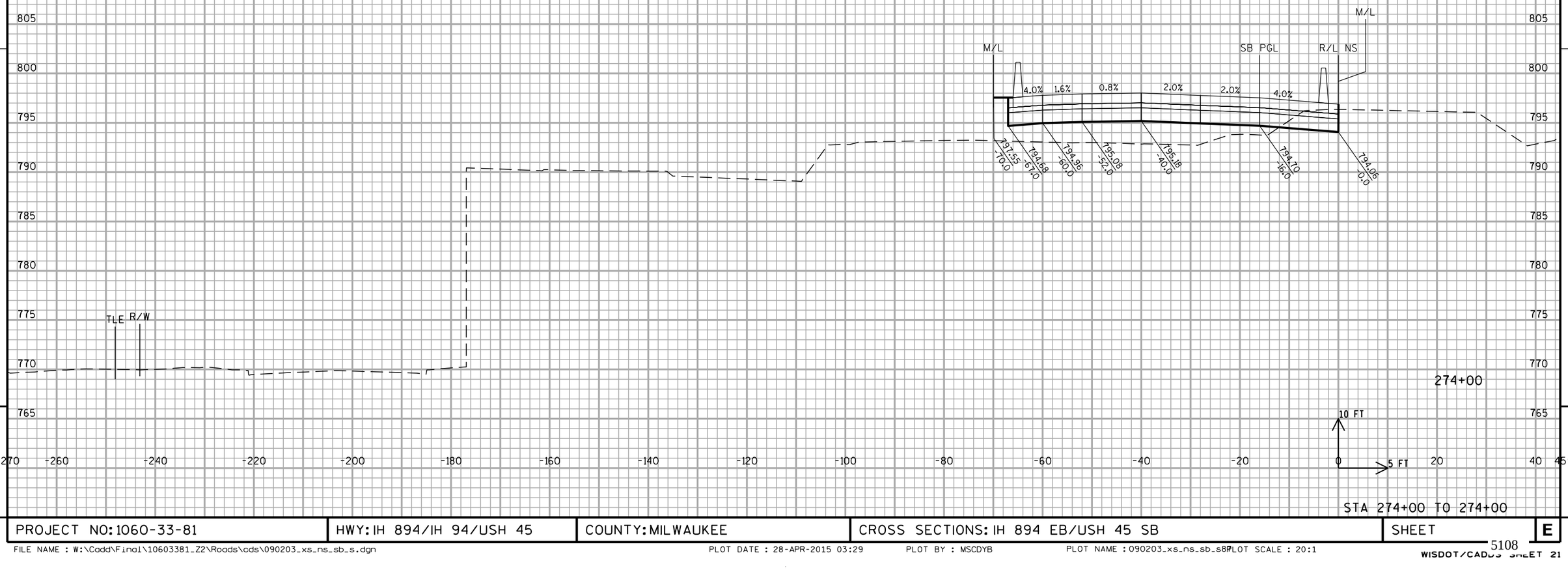
ALL WORK STAGE 6



STA 273+50 TO 273+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

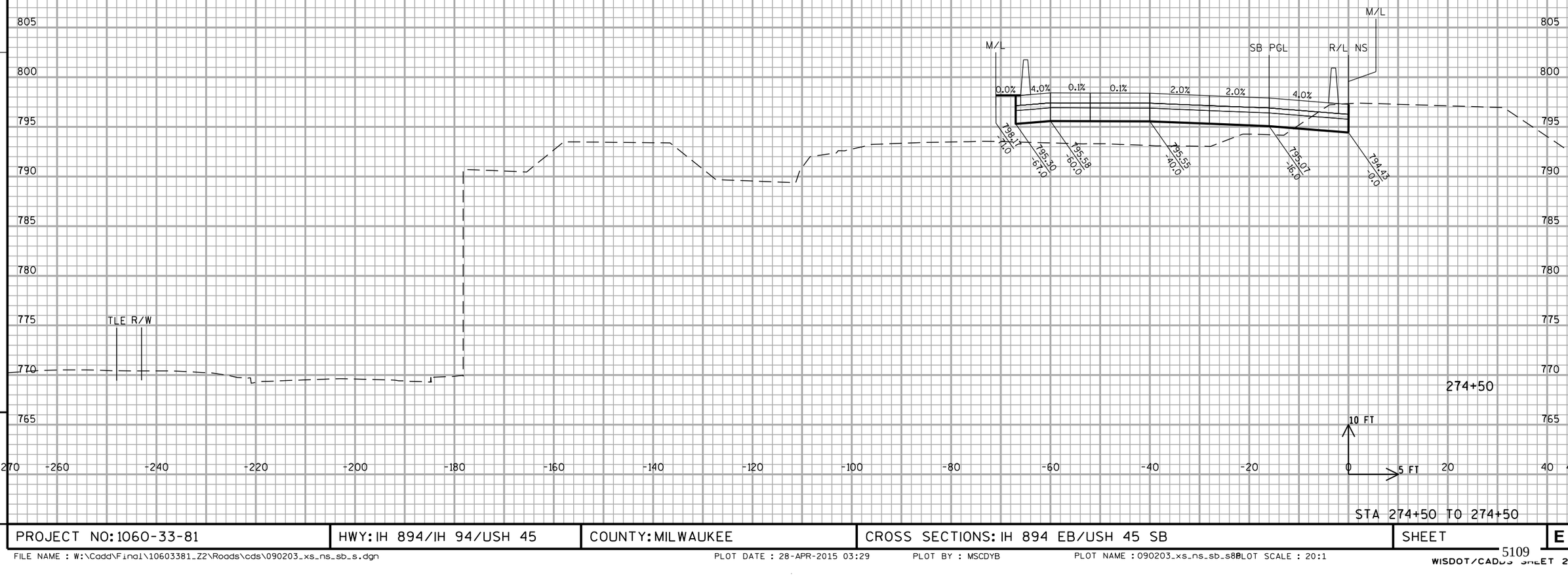
ALL WORK STAGE 6



STA 274+00 TO 274+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

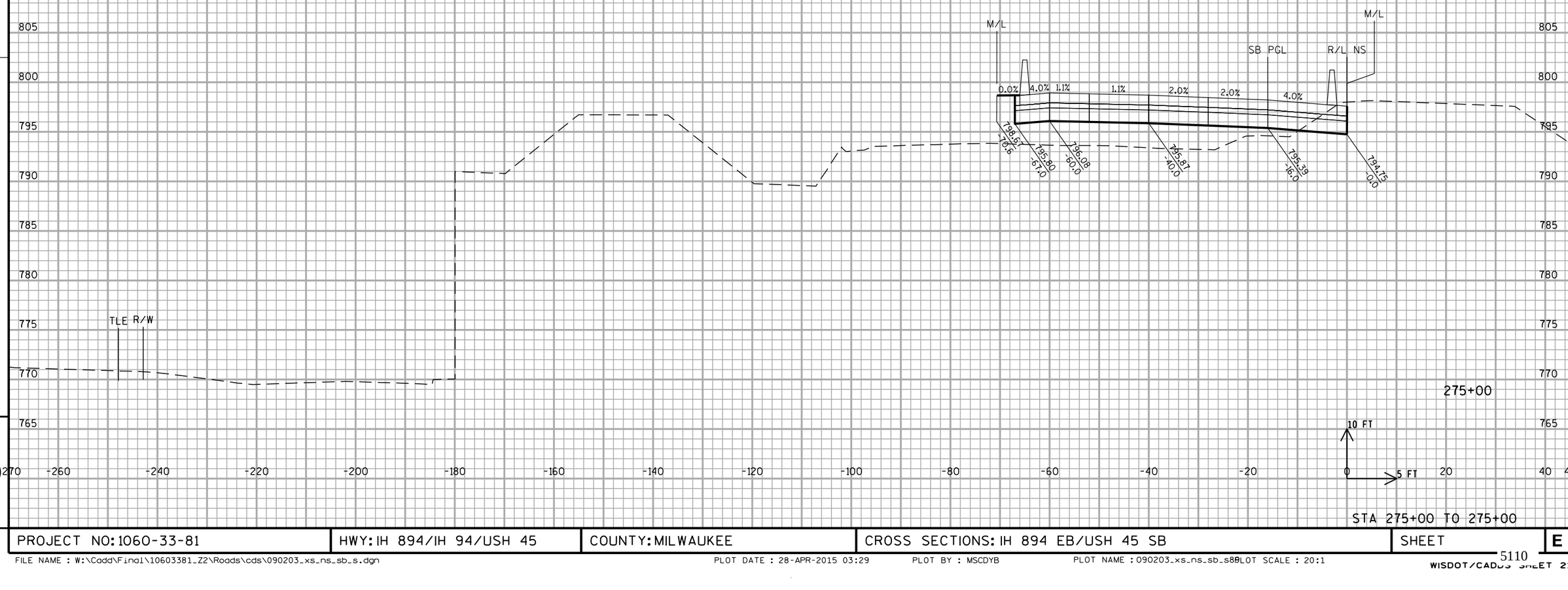


STA 274+50 TO 274+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s8 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 275+00 TO 275+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

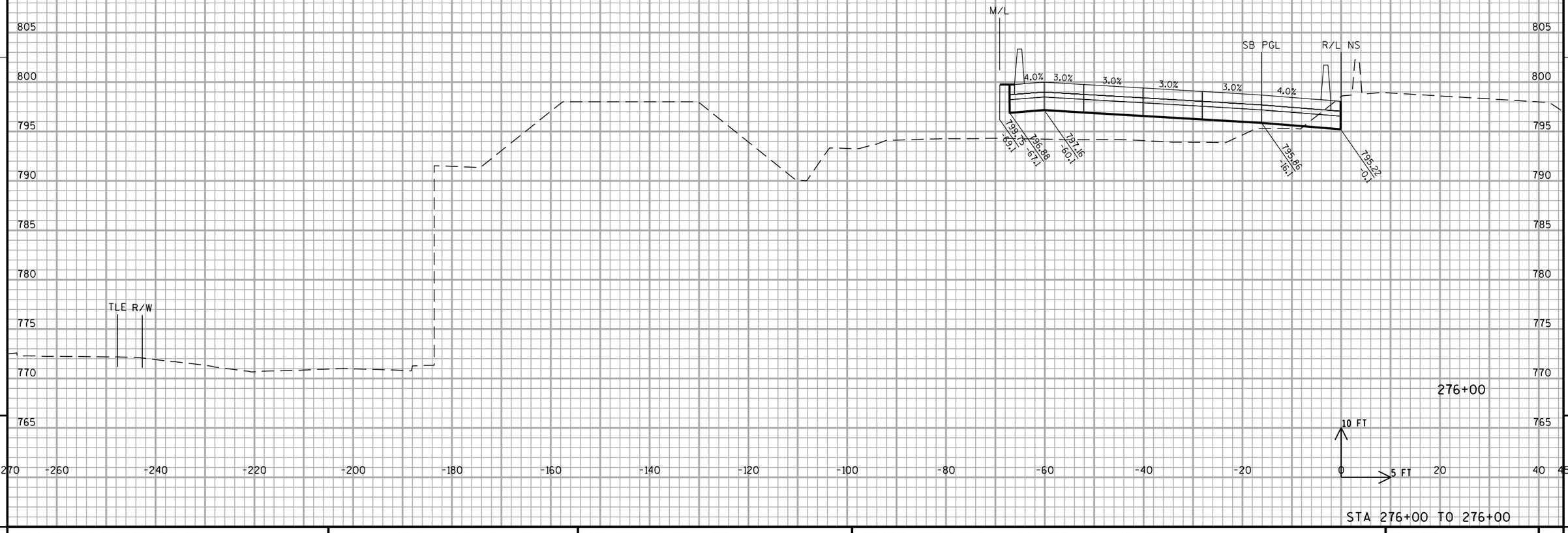
ALL WORK STAGE 6



STA 275+50 TO 275+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



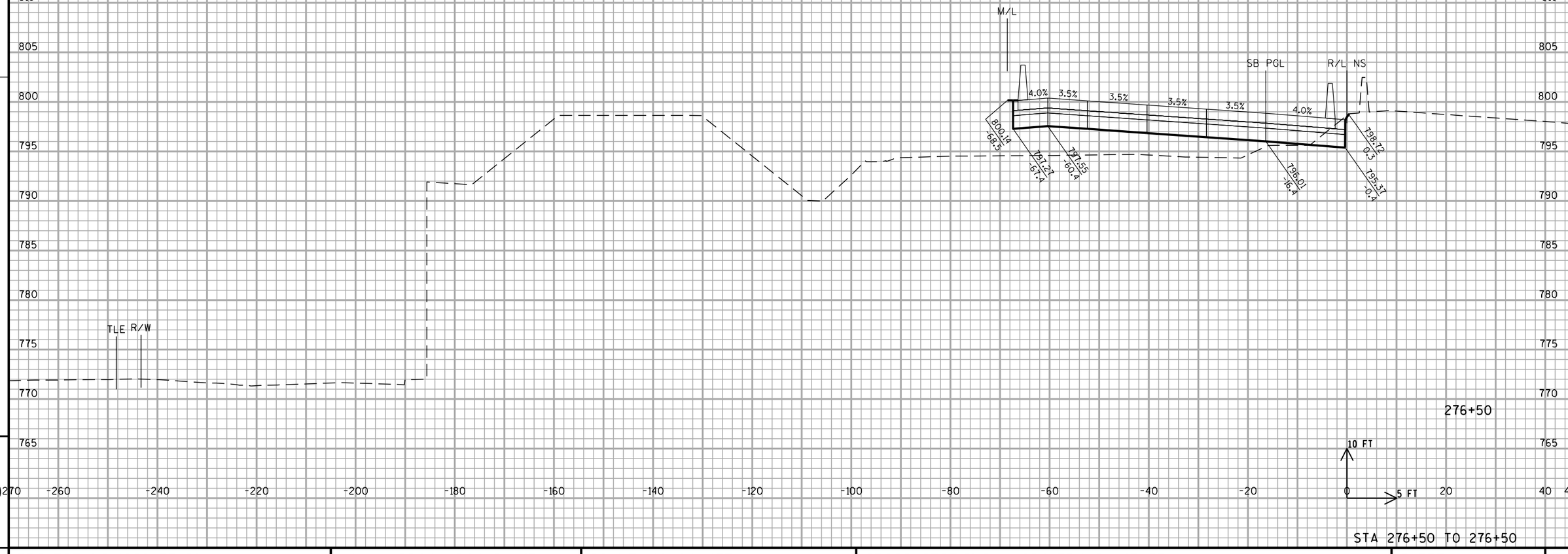
STA 276+00 TO 276+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



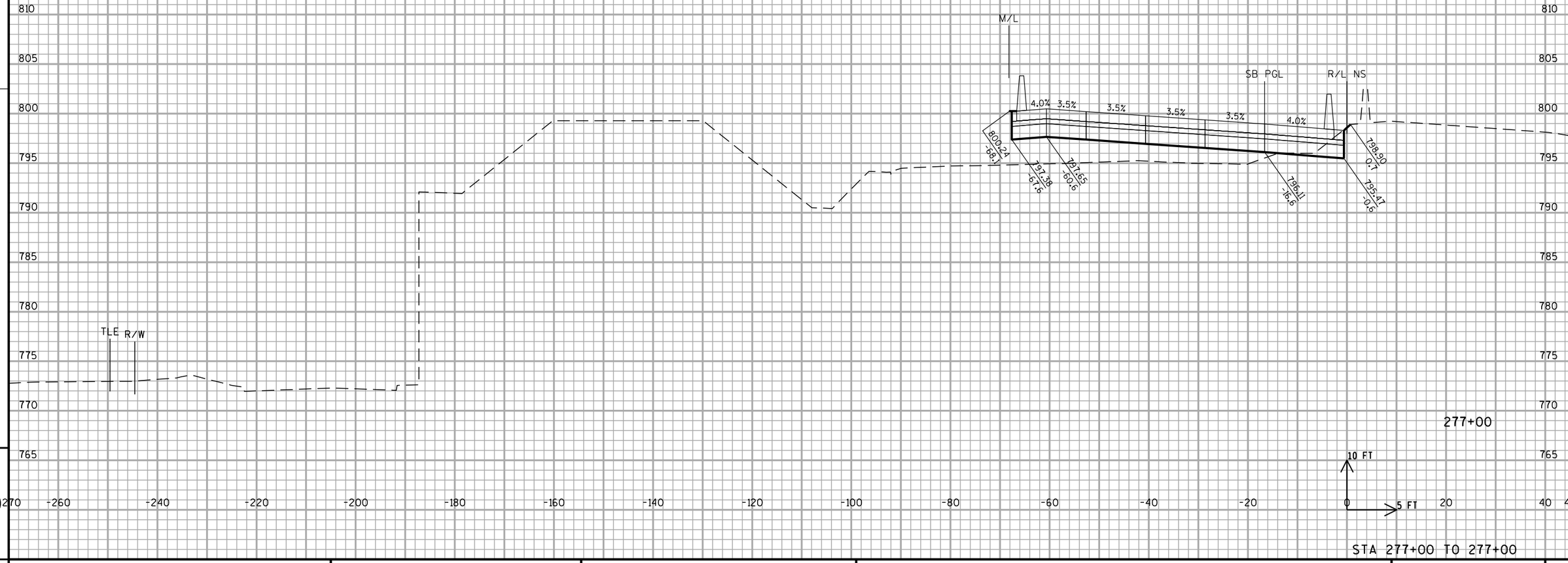
STA 276+50 TO 276+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

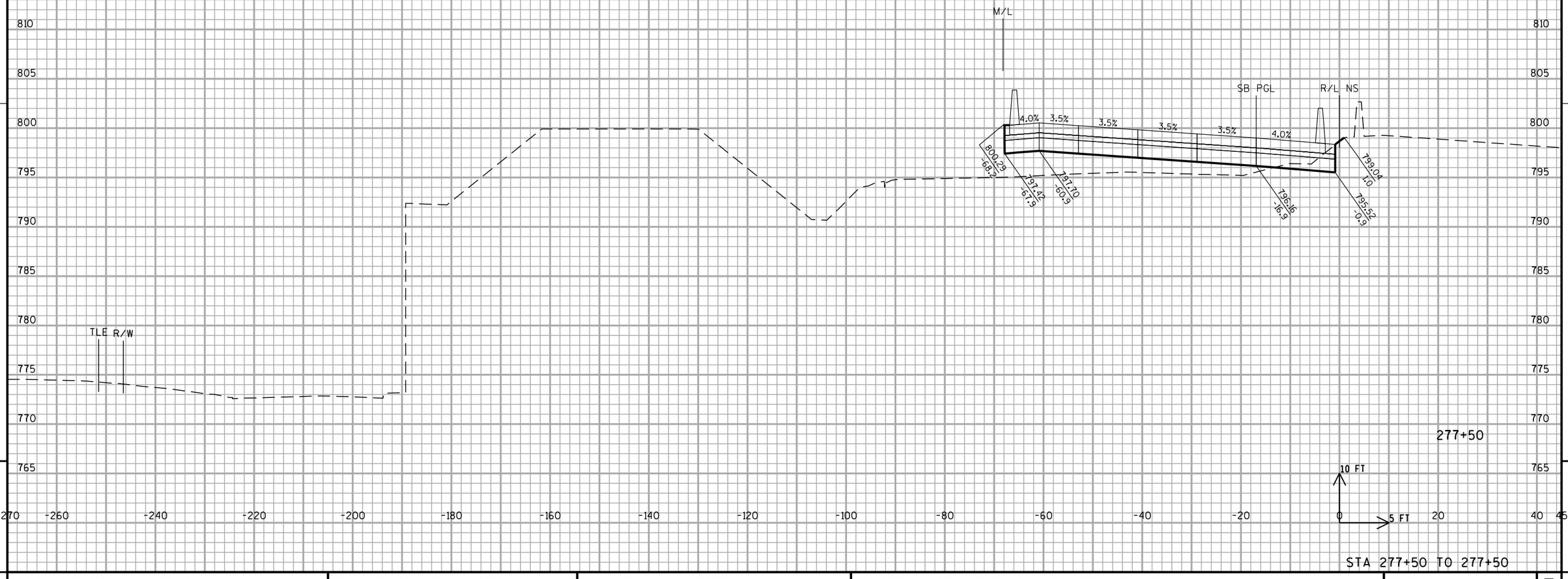


STA 277+00 TO 277+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s99 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 277+50 TO 277+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



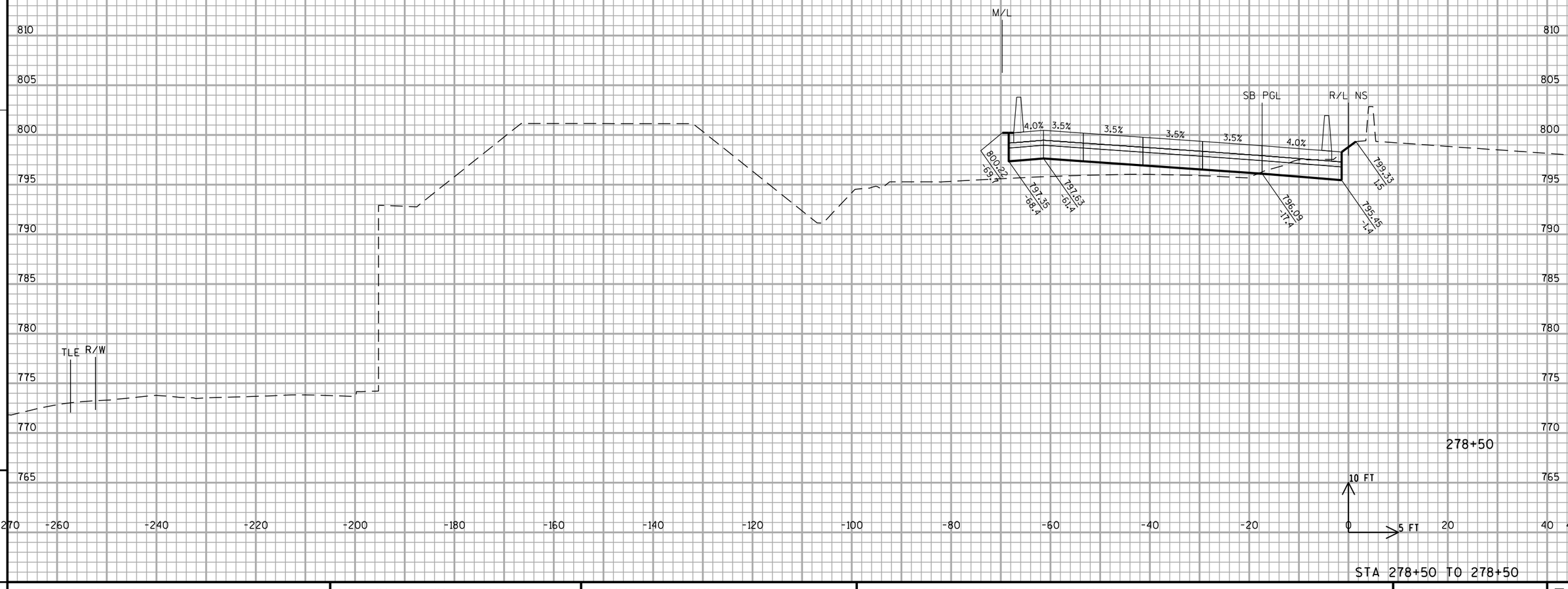
STA 278+00 TO 278+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

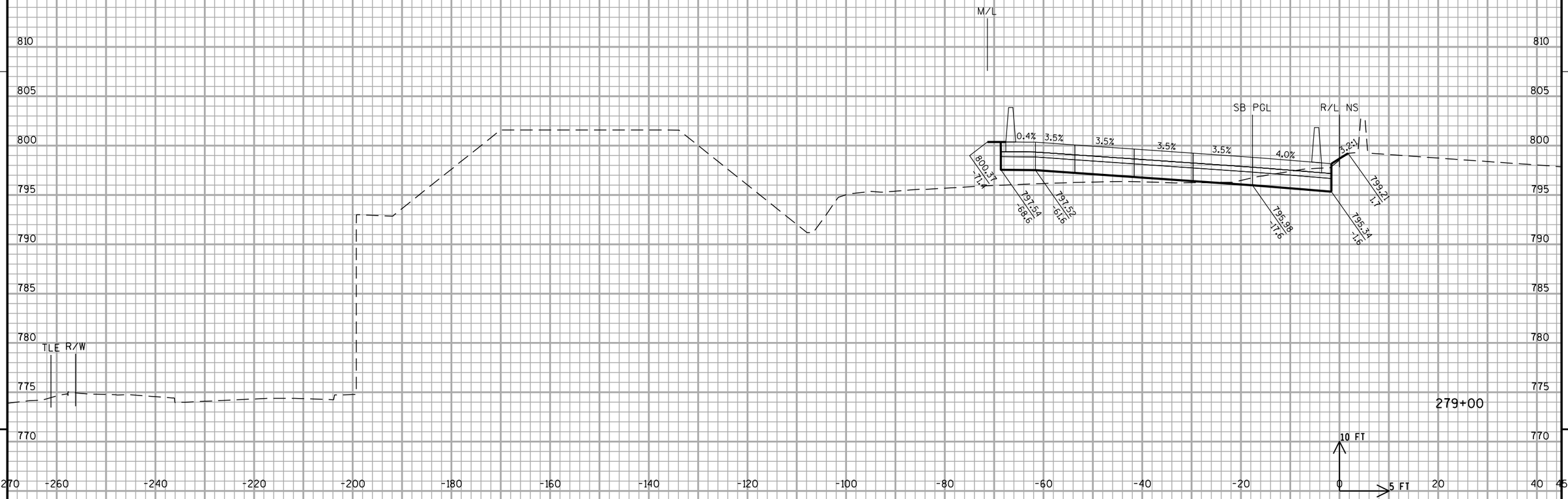
ALL WORK STAGE 6



STA 278+50 TO 278+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

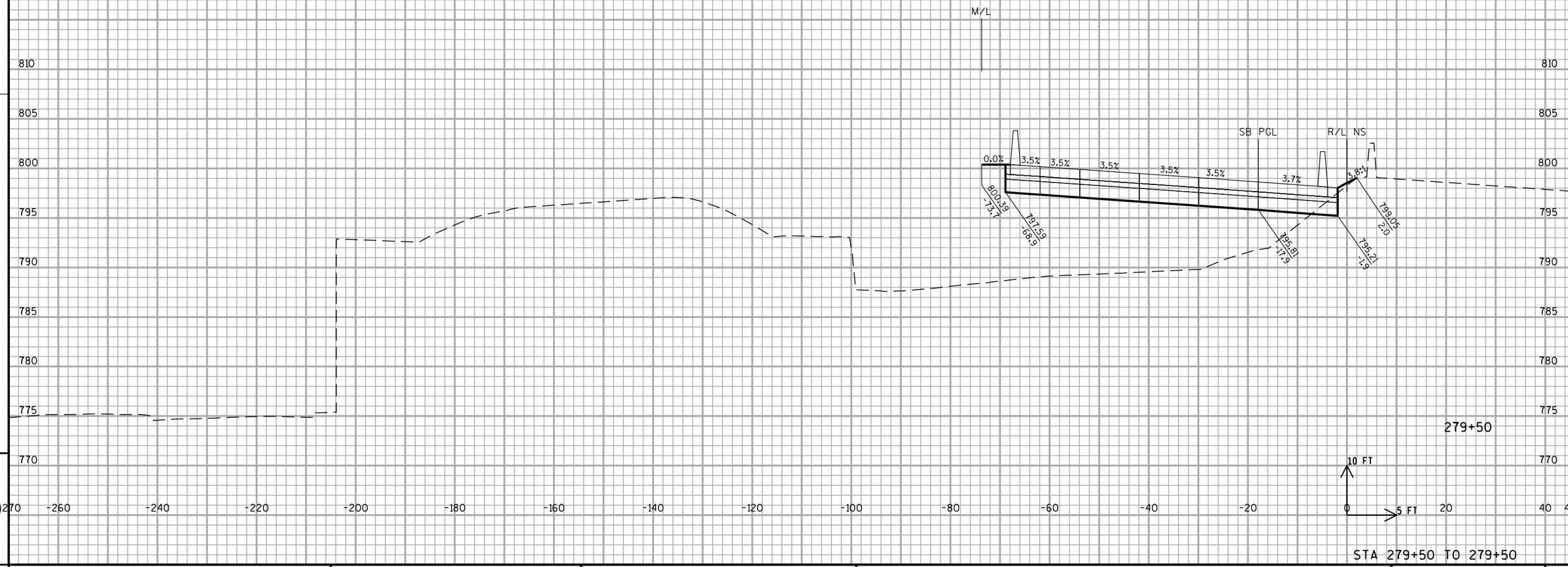
ALL WORK STAGE 6



STA 279+00 TO 279+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

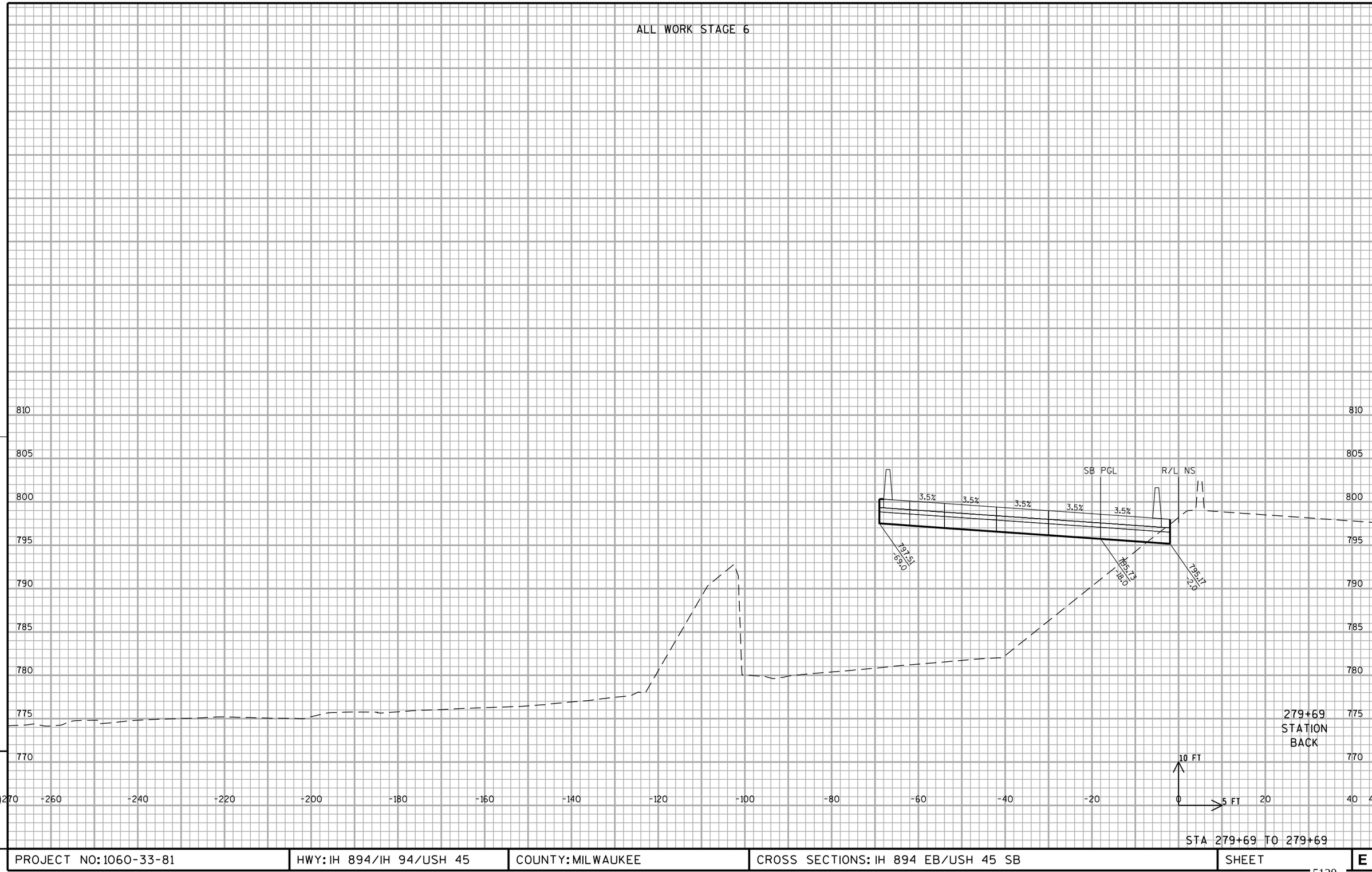


279+50

STA 279+50 TO 279+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

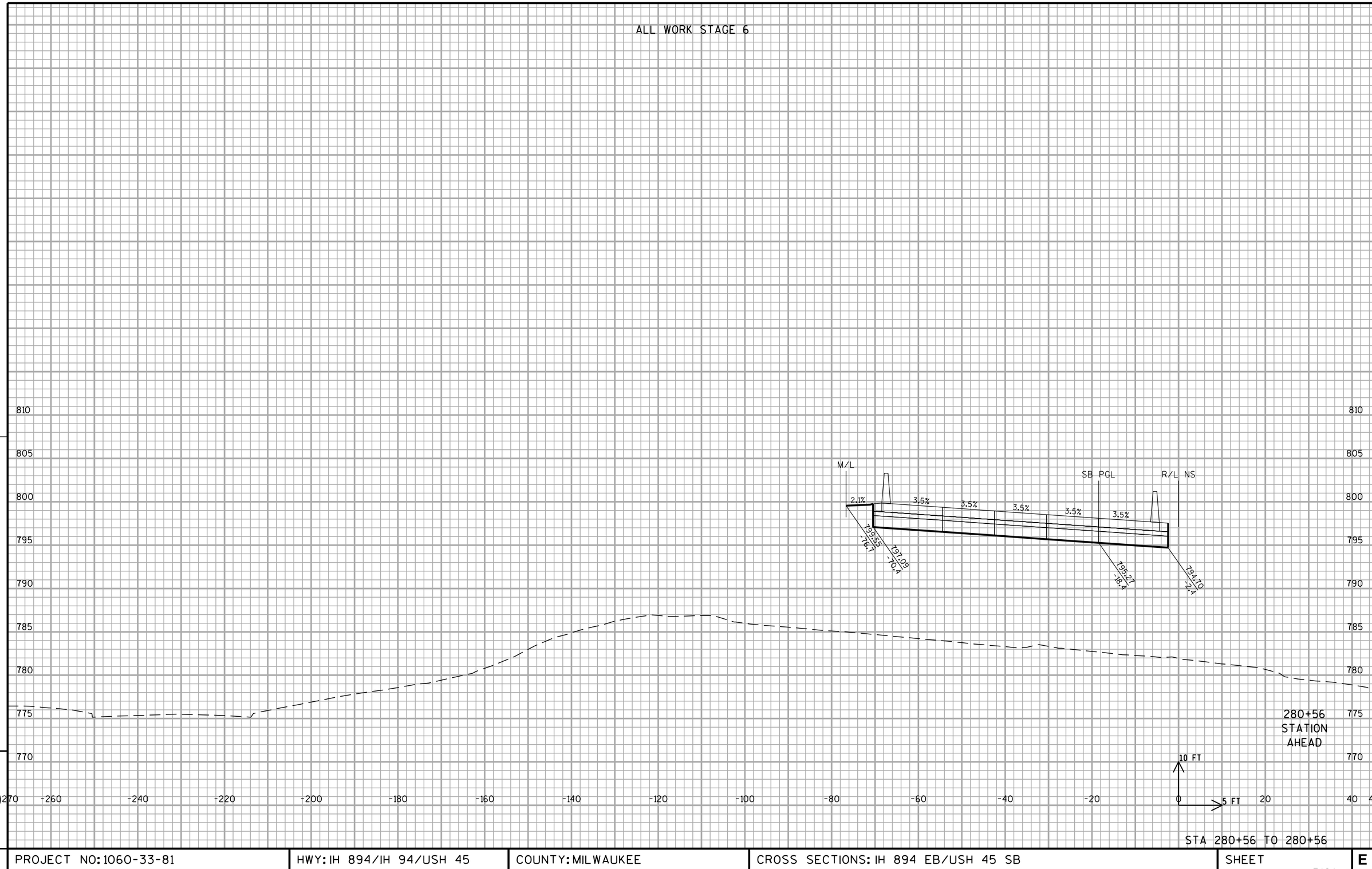
ALL WORK STAGE 6



STA 279+69 TO 279+69

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

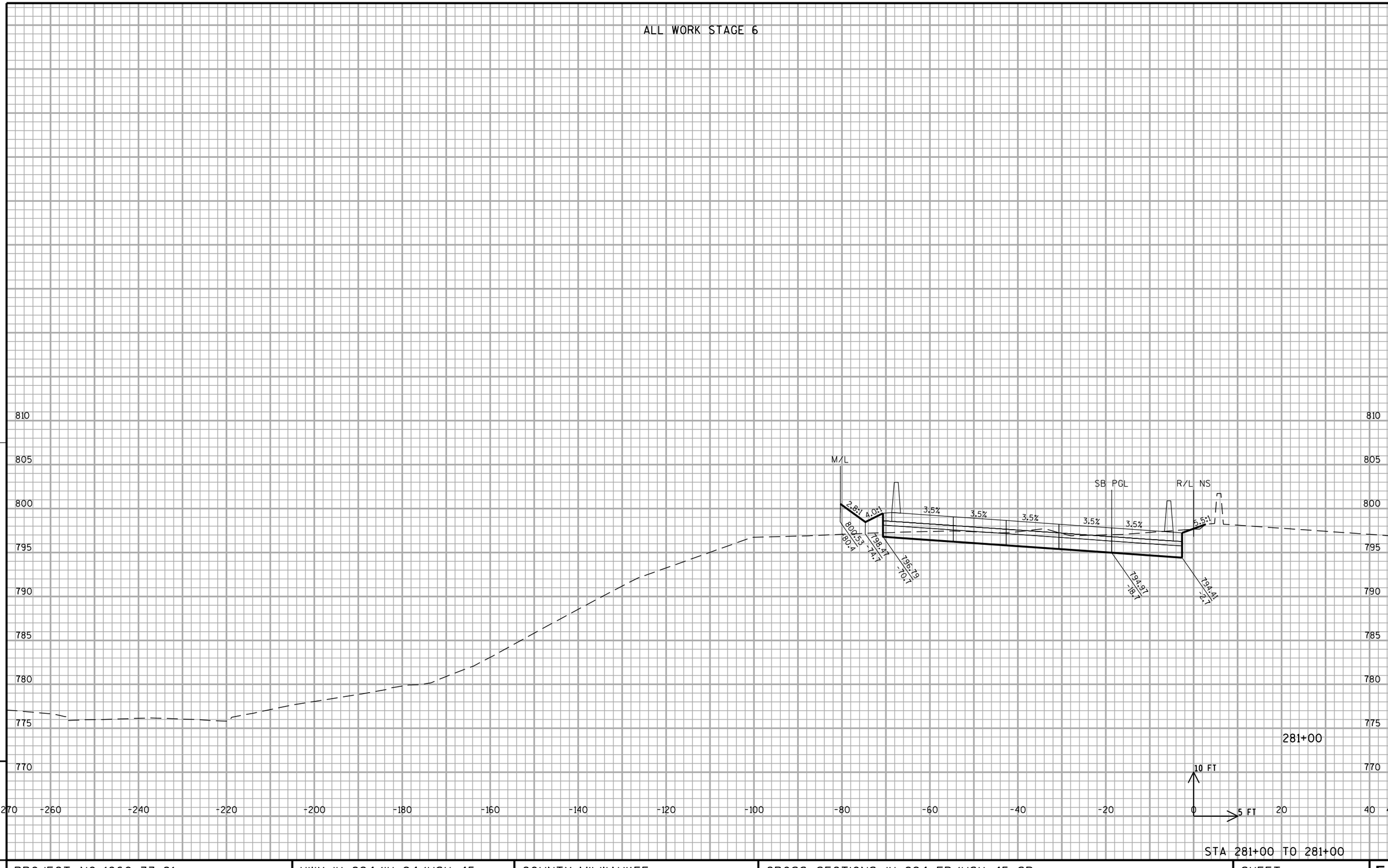


STA 280+56 TO 280+56

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s.pl PLOT SCALE : 20:1

ALL WORK STAGE 6

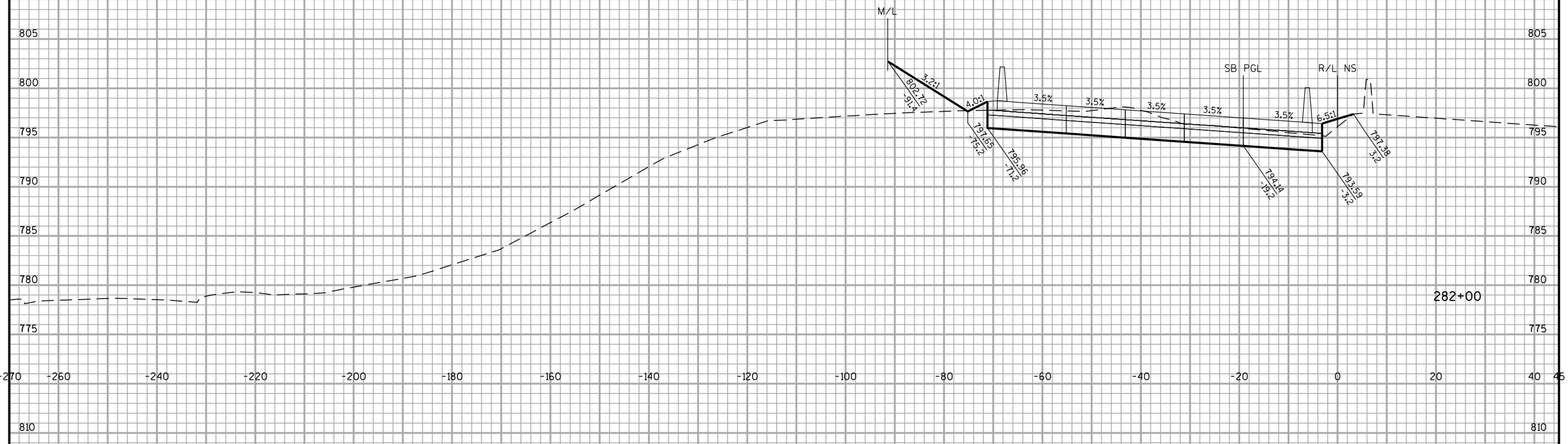


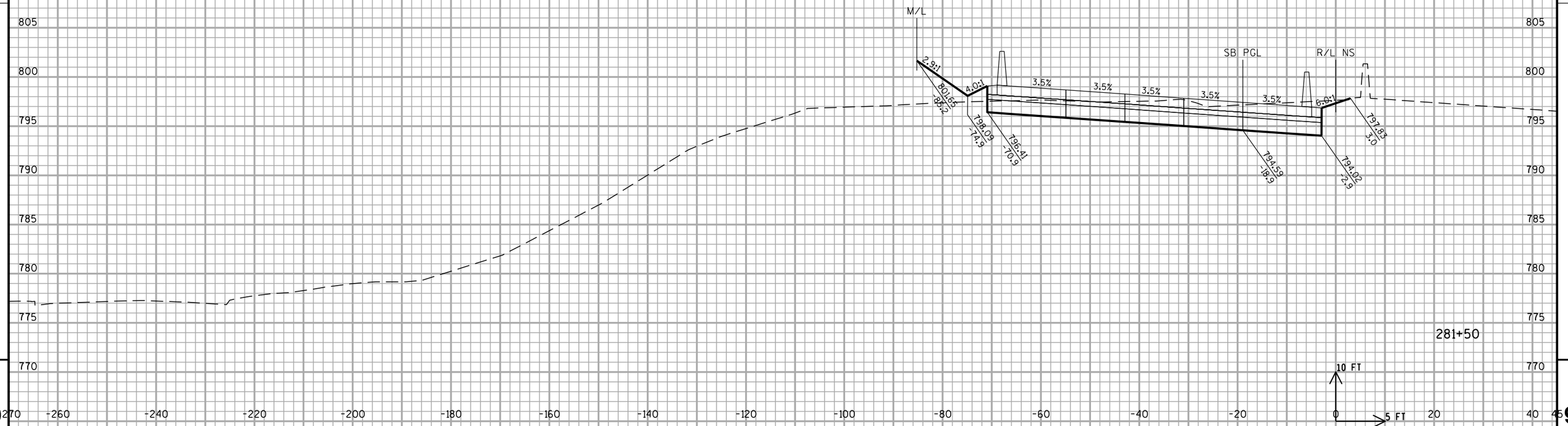
STA 281+00 TO 281+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn
PLOT DATE : 28-APR-2015 03:29
PLOT BY : MSCDYB
PLOT NAME : 090203_xs_ns_sb_s01
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

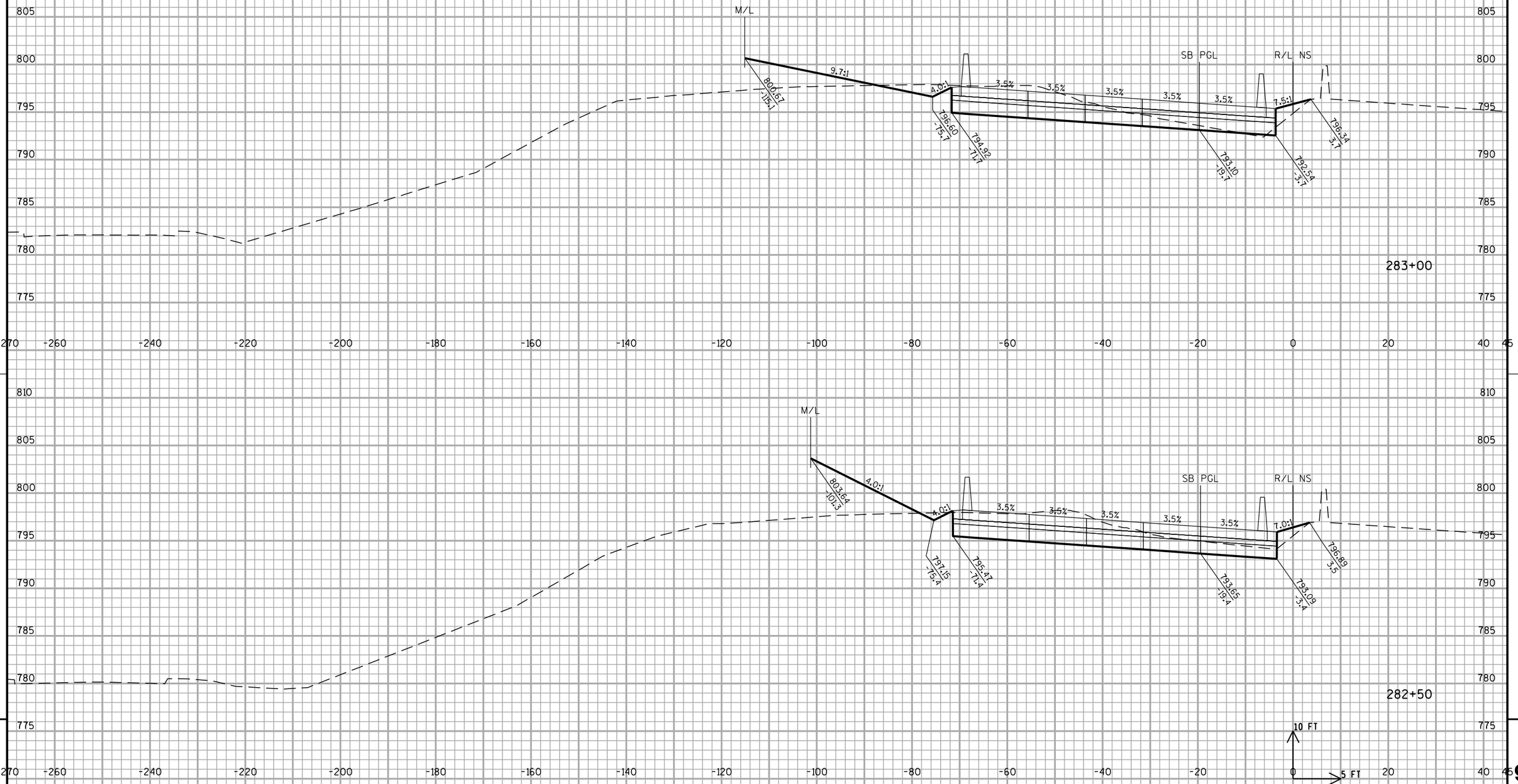




STA 281+50 TO 282+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

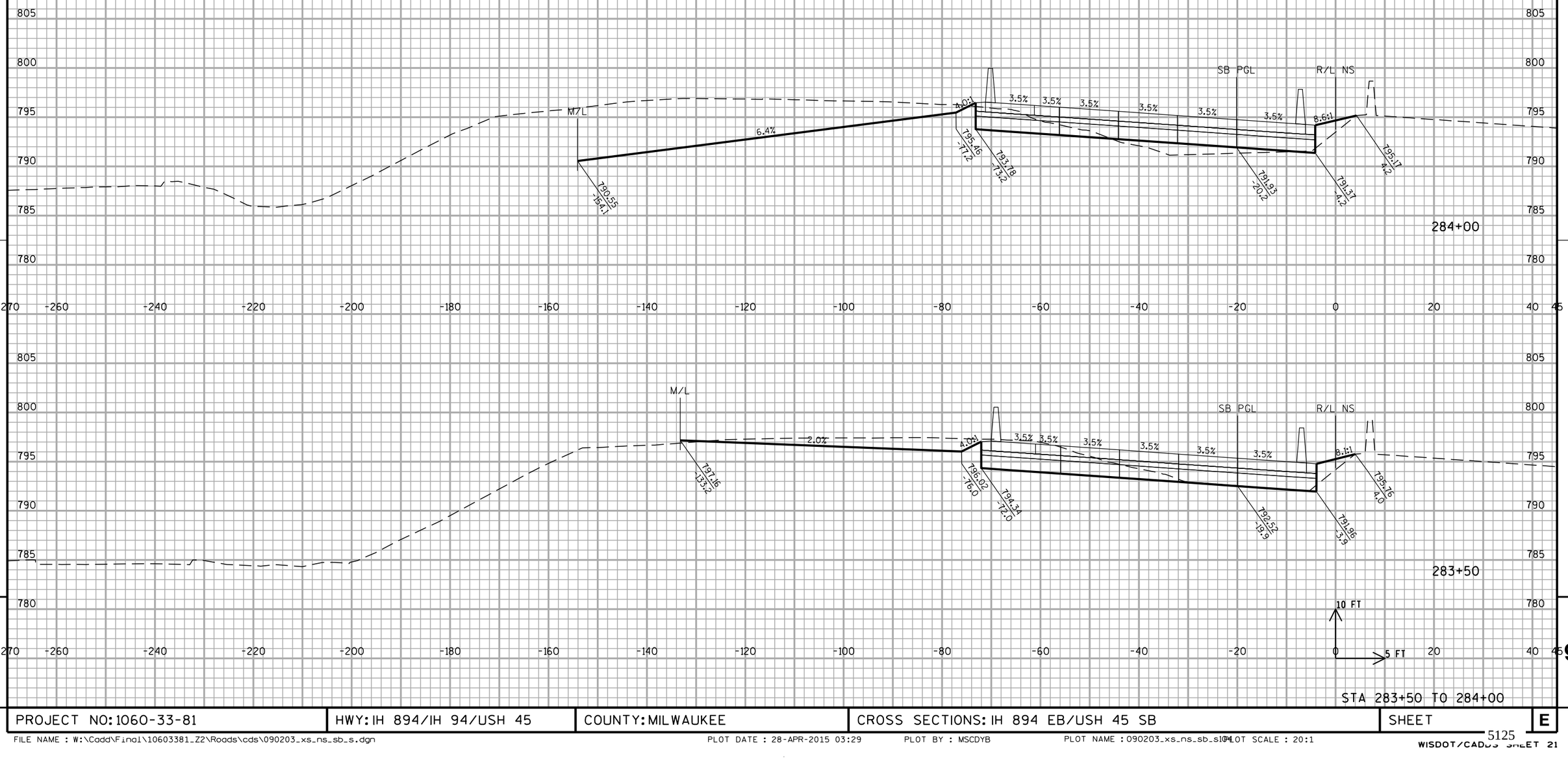
ALL WORK STAGE 6



STA 282+50 TO 283+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

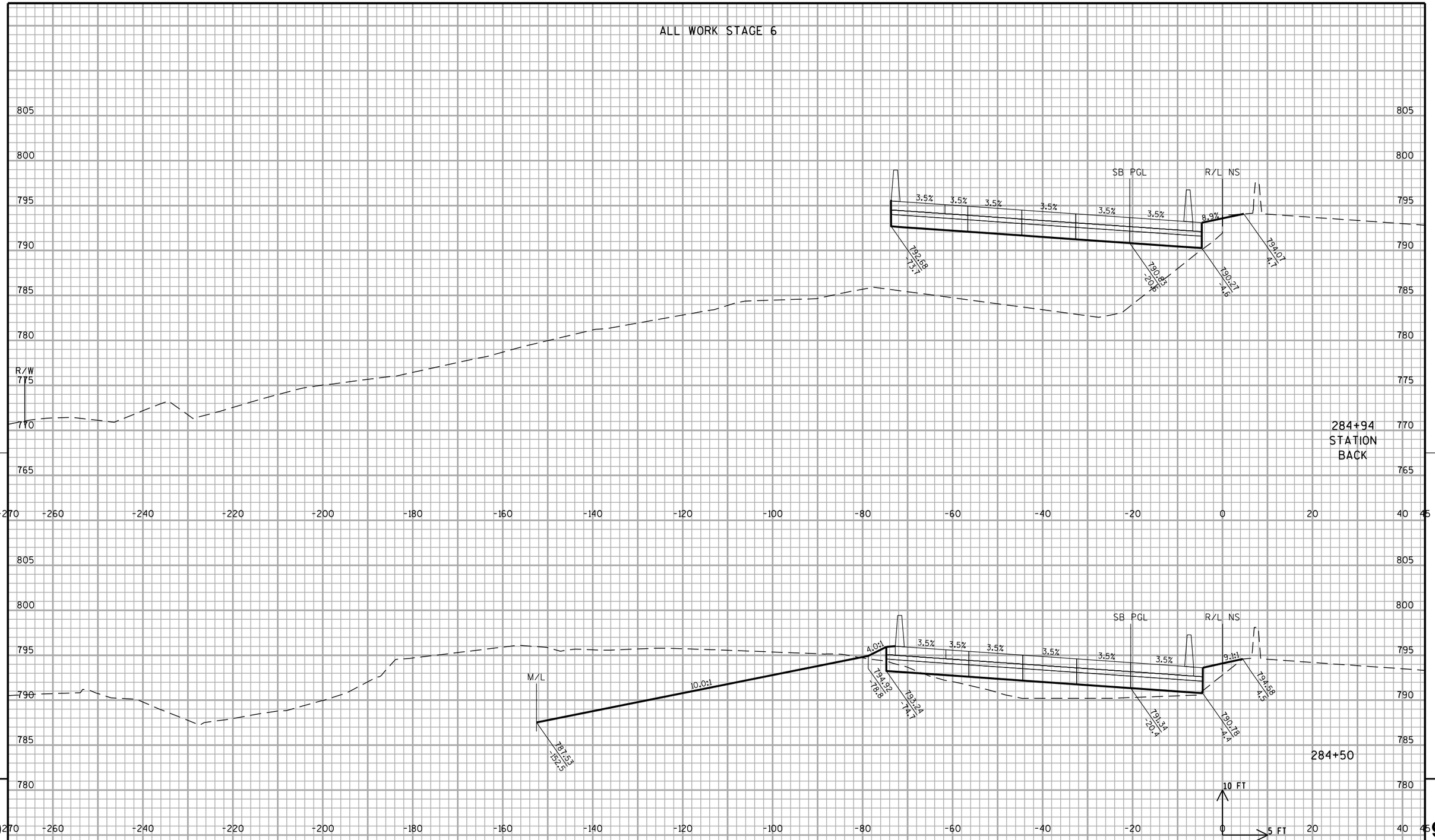
ALL WORK STAGE 6



STA 283+50 TO 284+00

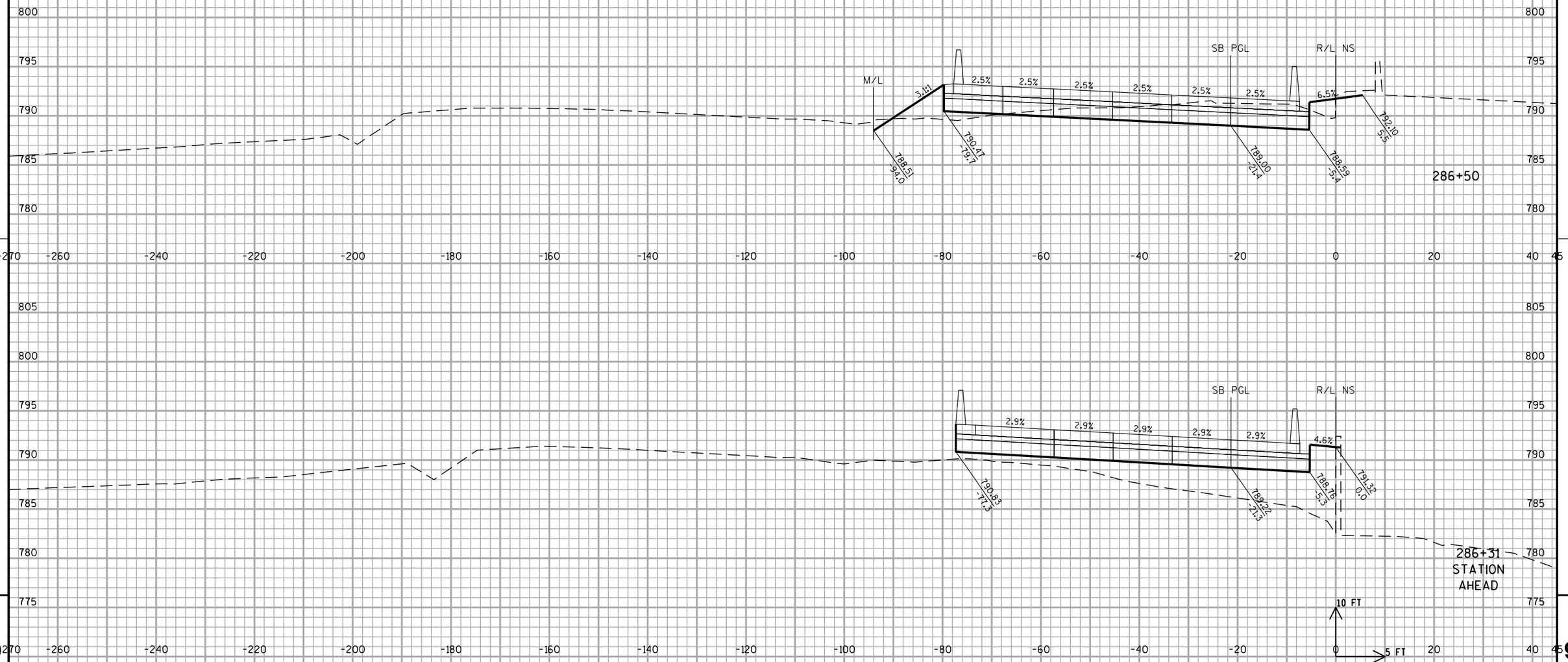
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



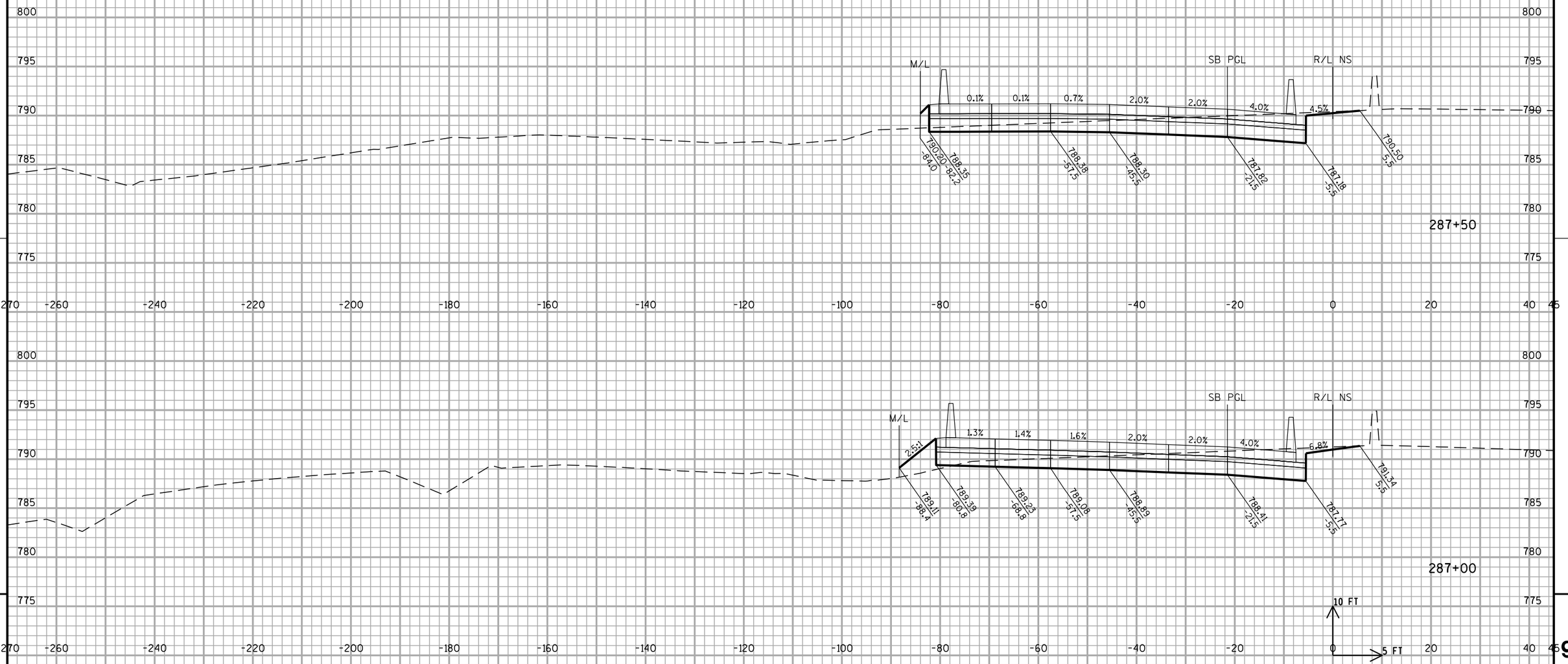
STA 286+31 TO 286+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_sht PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

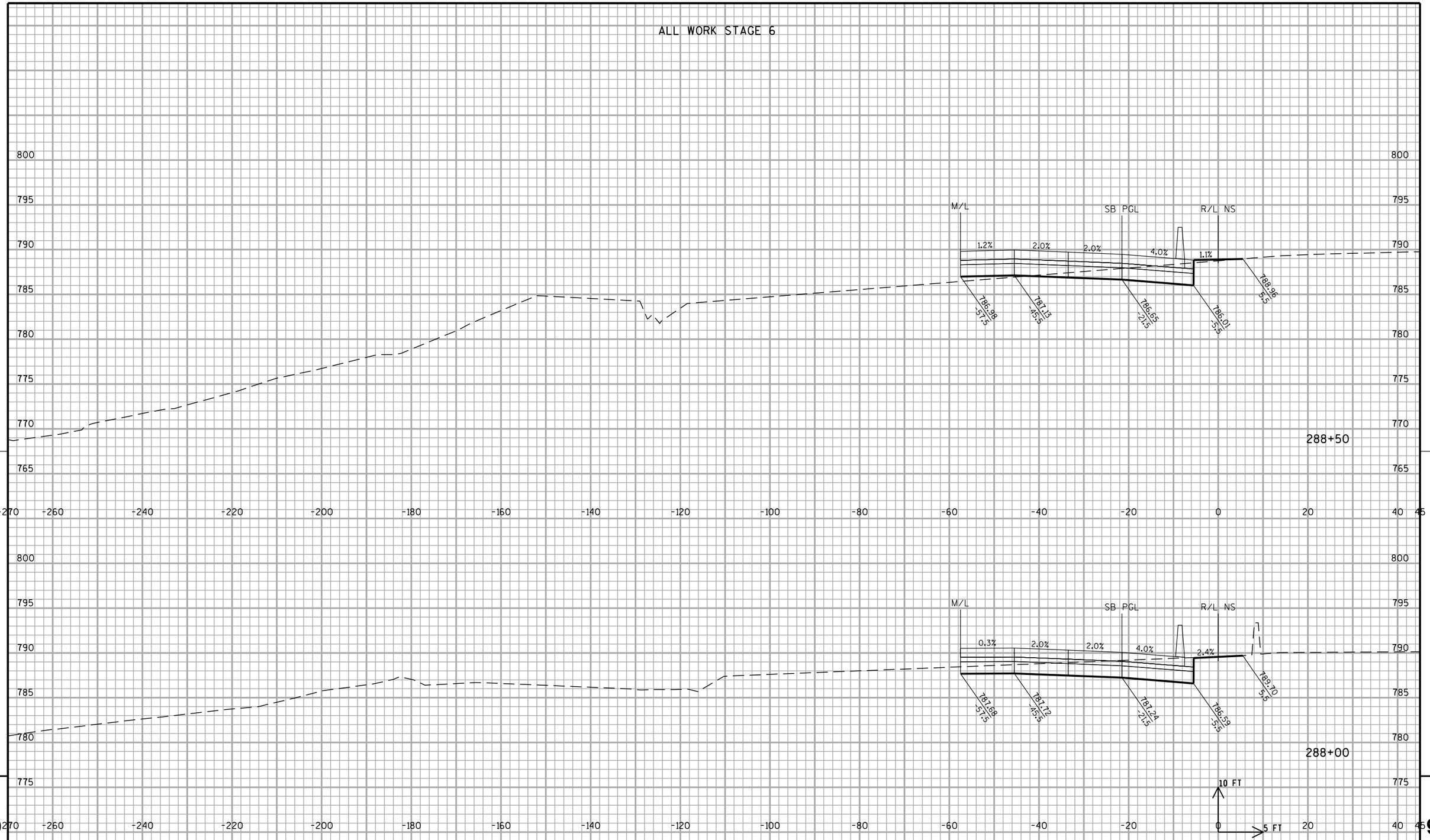
ALL WORK STAGE 6



STA 287+00 TO 287+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

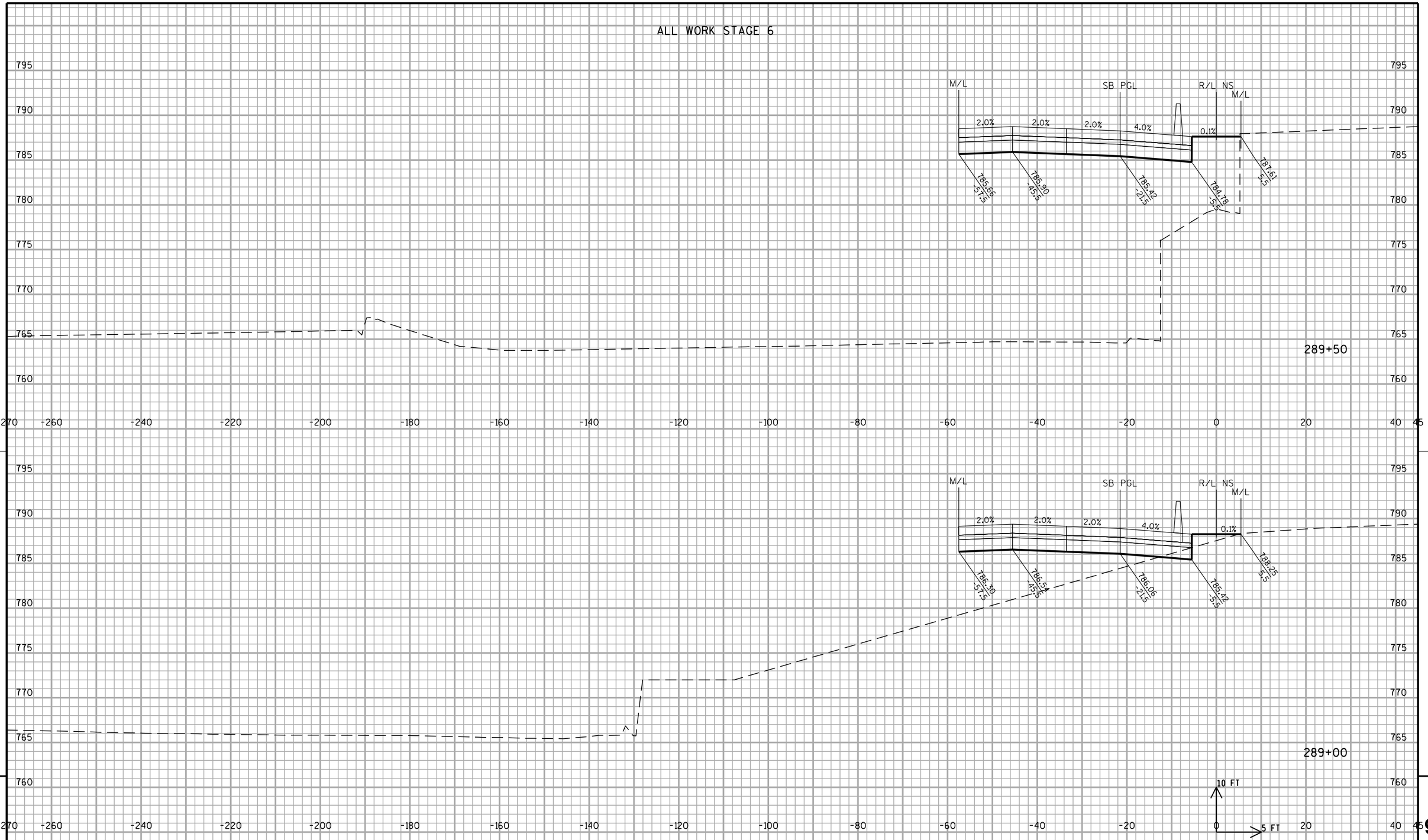
ALL WORK STAGE 6



STA 288+00 TO 288+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



STA 289+00 TO 289+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

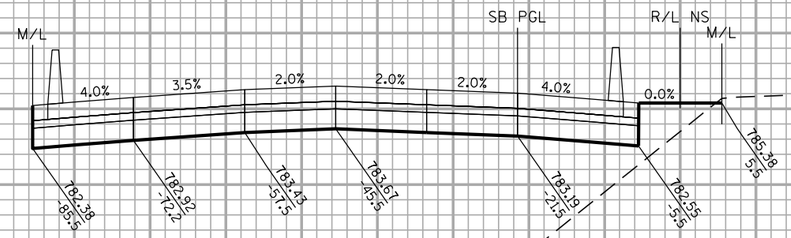
ALL WORK STAGE 6



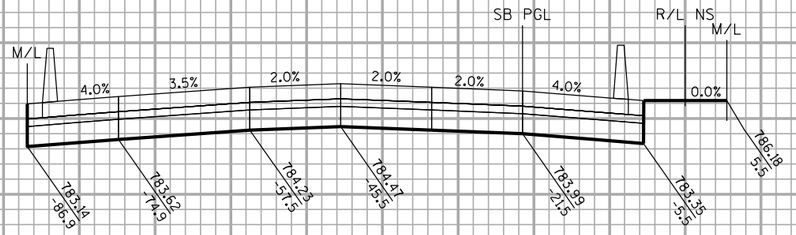
STA 290+00 TO 290+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



291+00



290+50

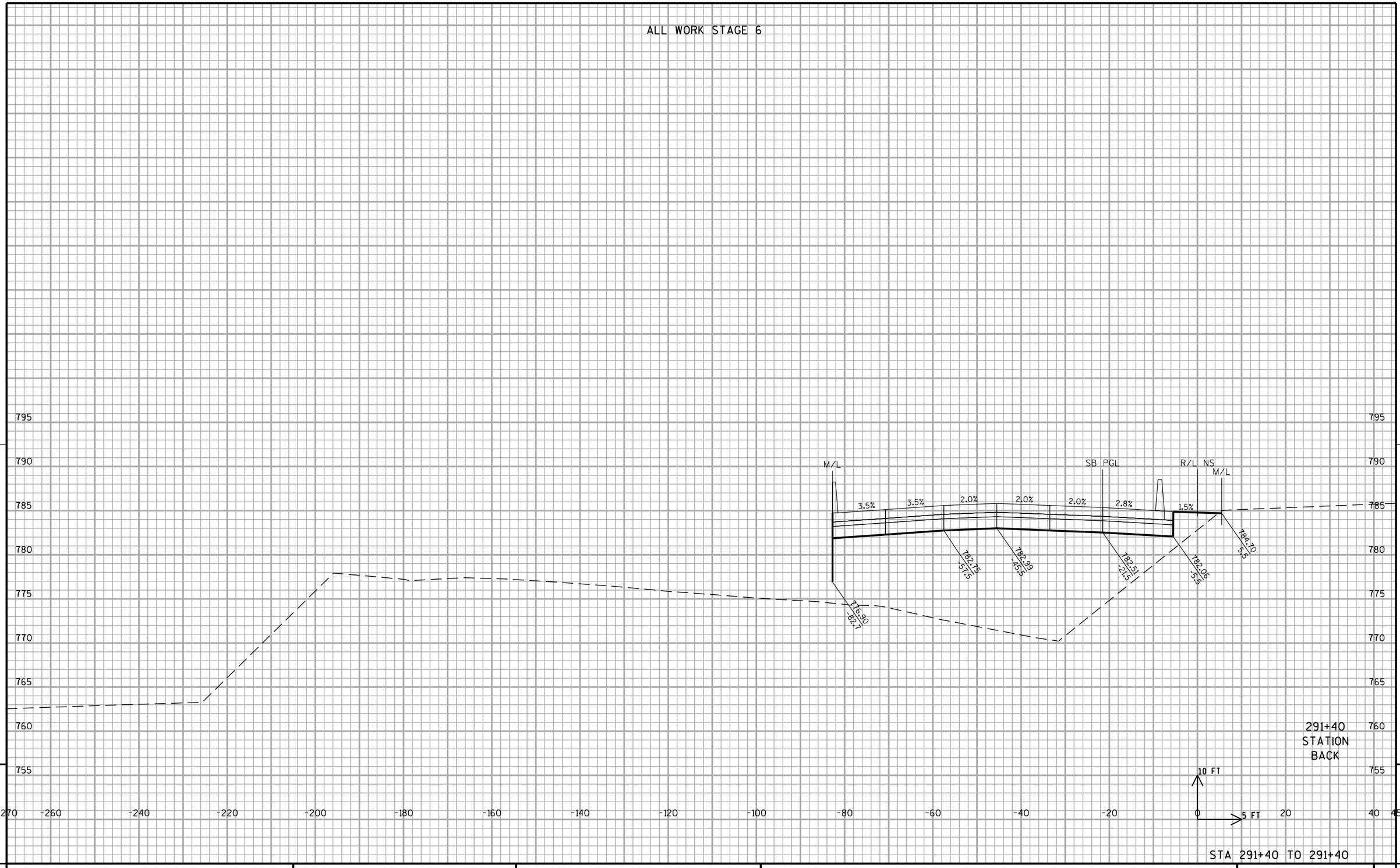
10 FT
5 FT

STA 290+50 TO 291+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn
PLOT DATE : 28-APR-2015 03:29
PLOT BY : MSCDYB
PLOT NAME : 090203_xs_ns_sb_s1
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

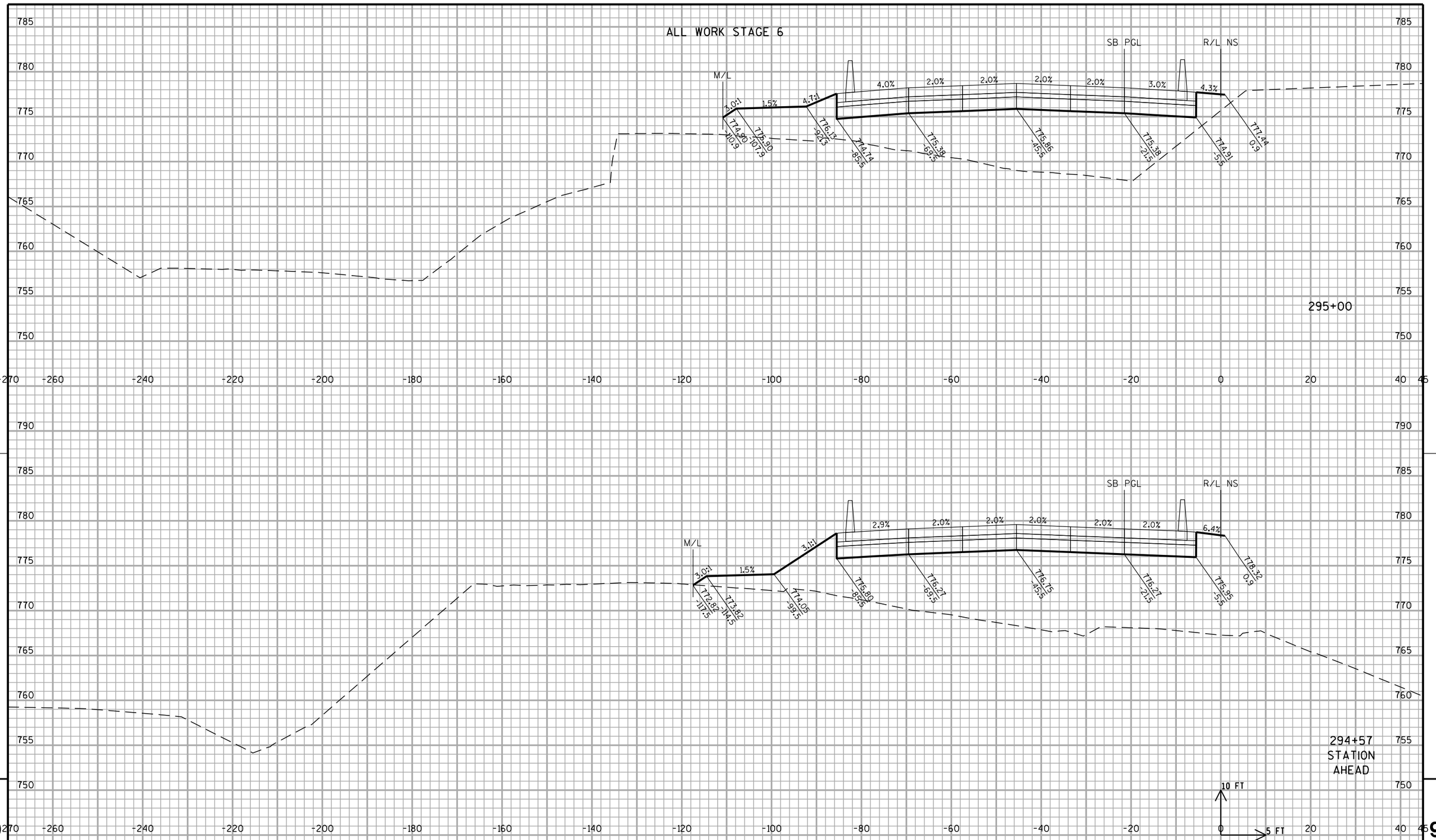
ALL WORK STAGE 6



STA 291+40 TO 291+40

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s12 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

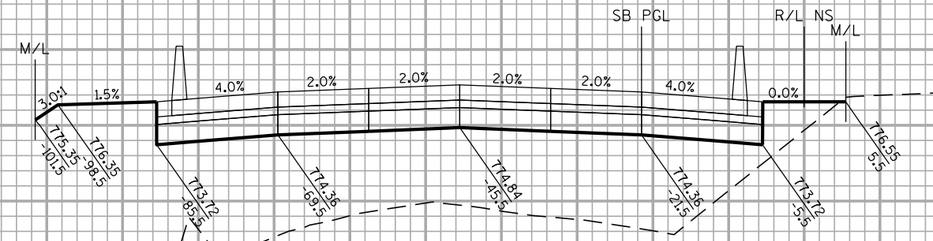


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



296+00



295+50

10 FT
0
5 FT

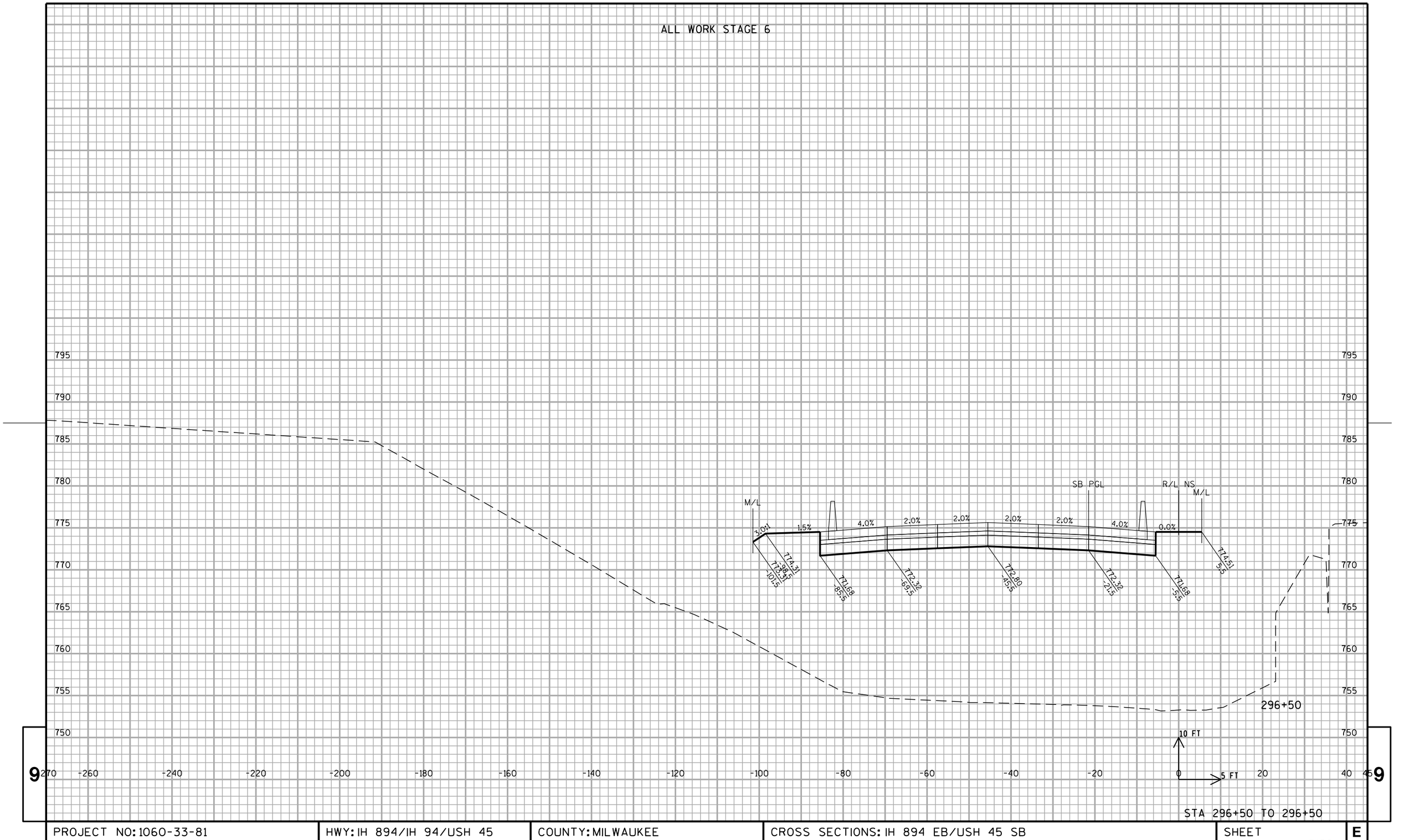
STA 295+50 TO 296+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 296+50 TO 296+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

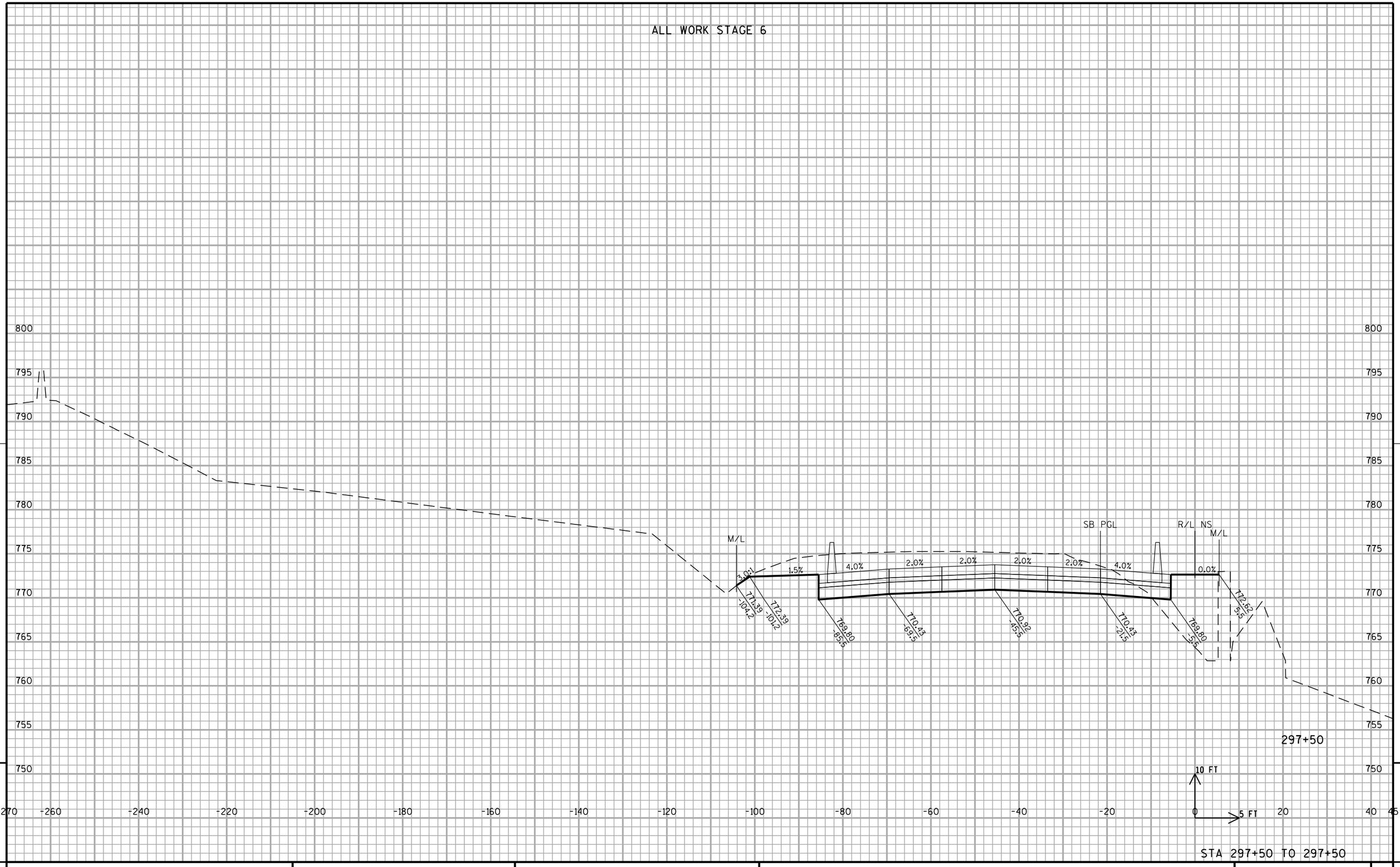
ALL WORK STAGE 6



STA 297+00 TO 297+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

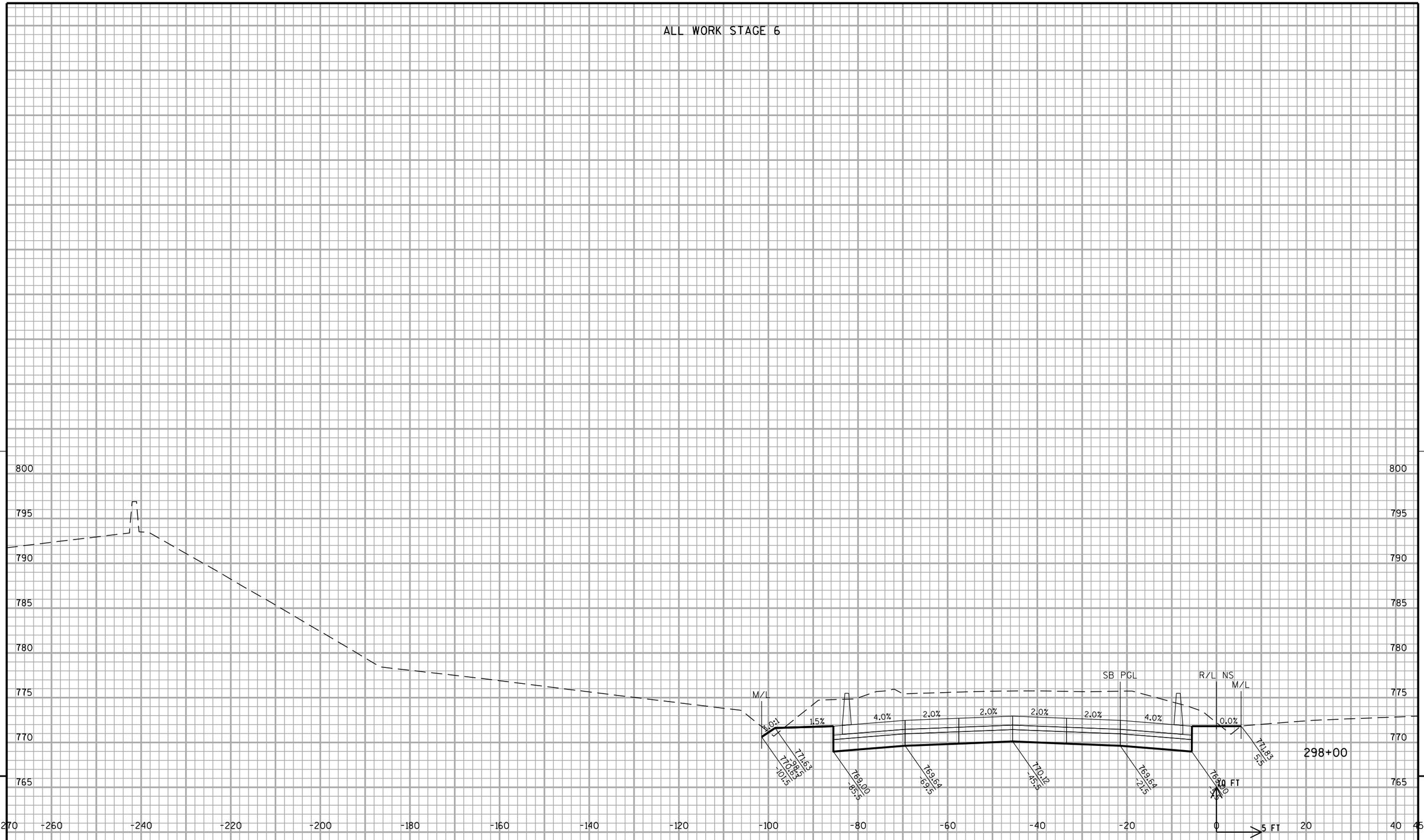
ALL WORK STAGE 6



STA 297+50 TO 297+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

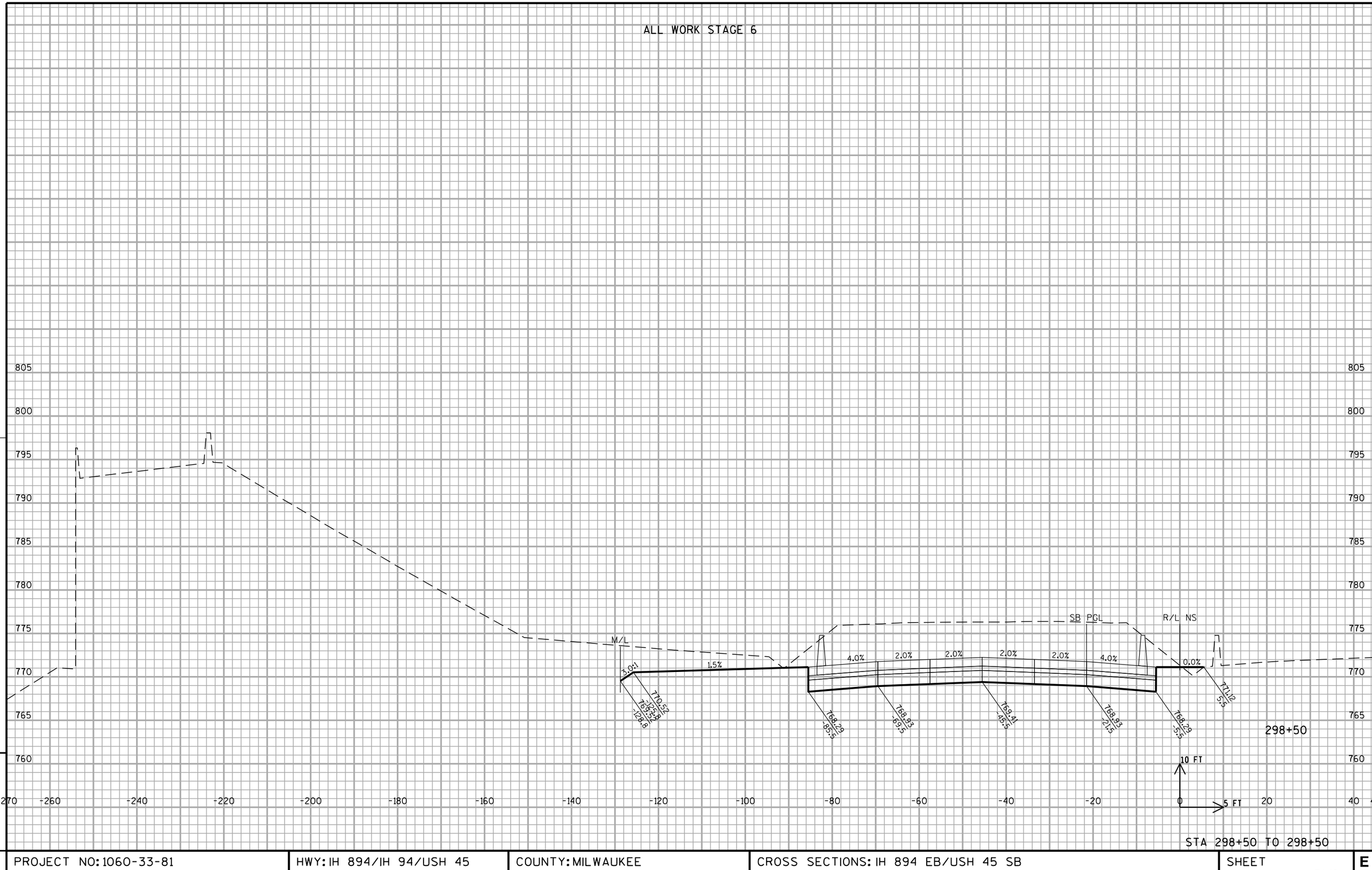
ALL WORK STAGE 6



STA 298+00 TO 298+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

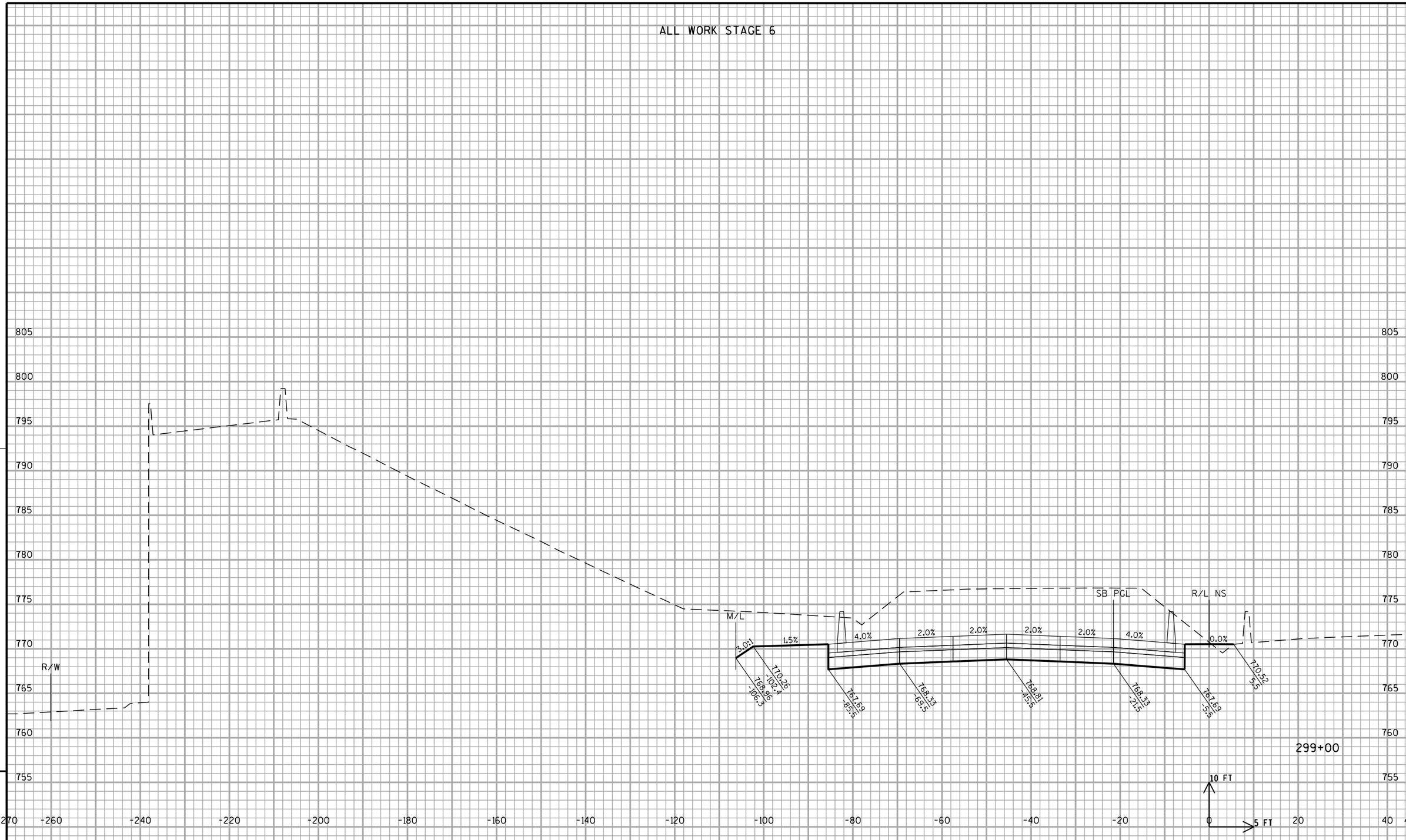
ALL WORK STAGE 6



STA 298+50 TO 298+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

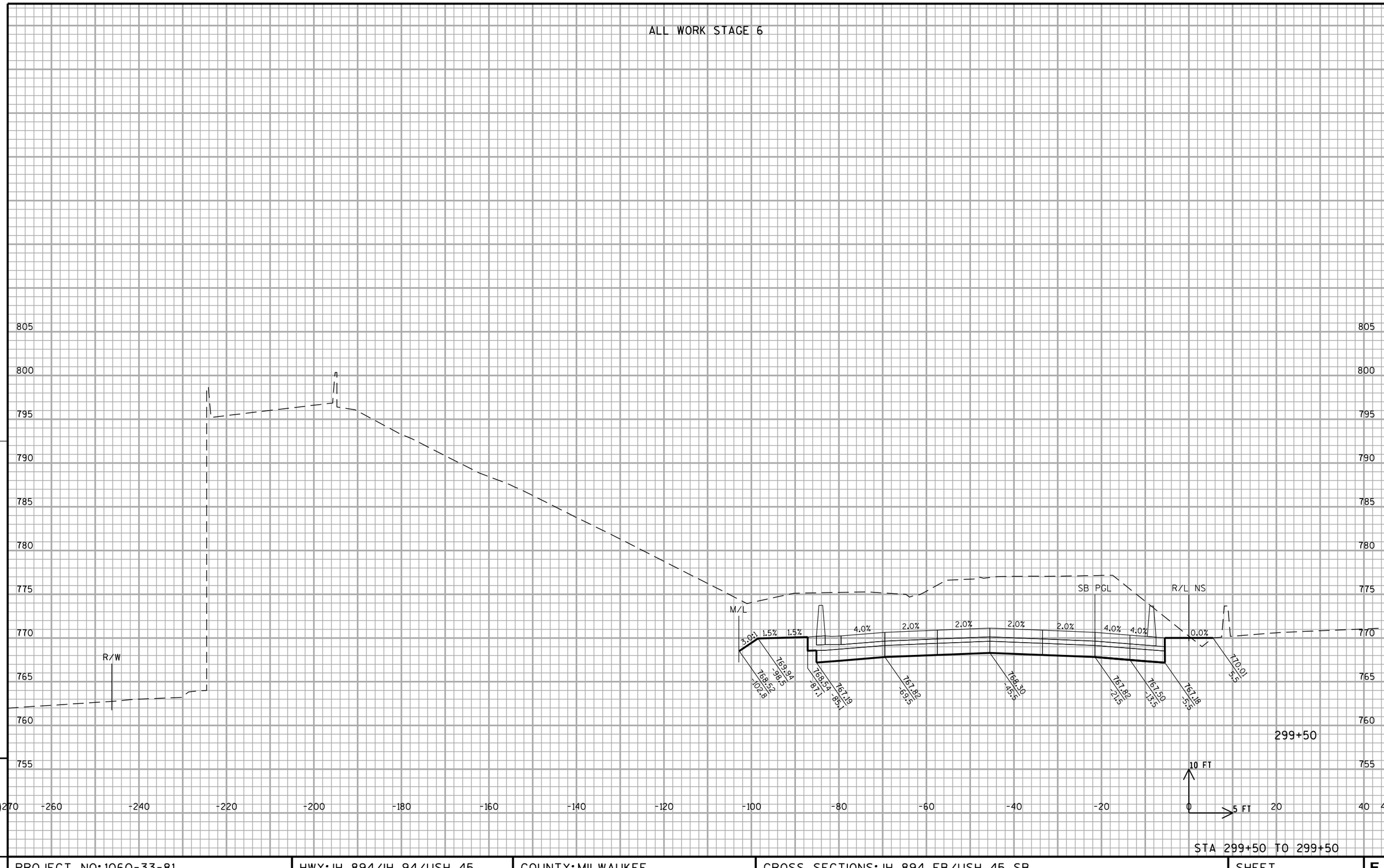
ALL WORK STAGE 6



STA 299+00 TO 299+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

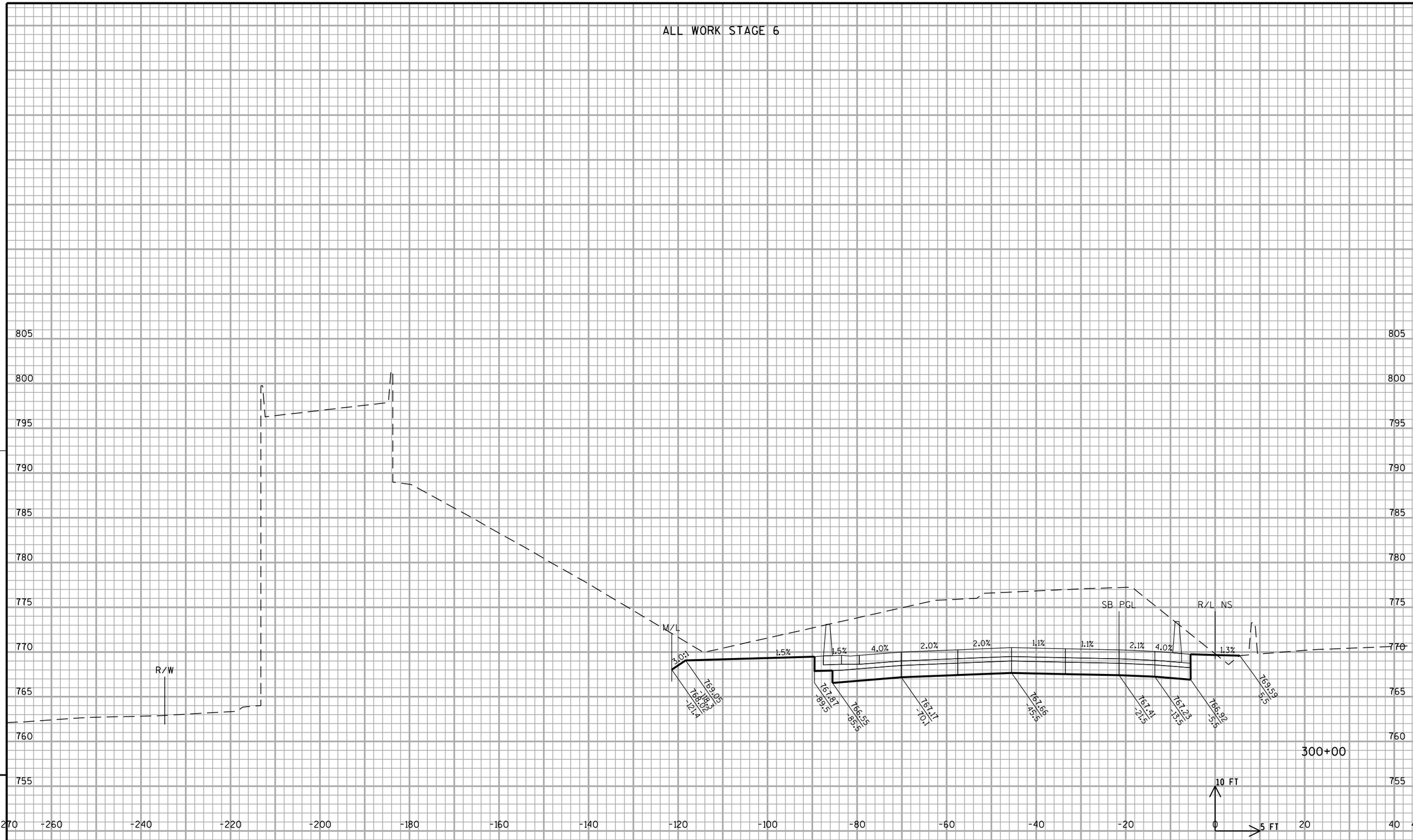
ALL WORK STAGE 6



STA 299+50 TO 299+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6



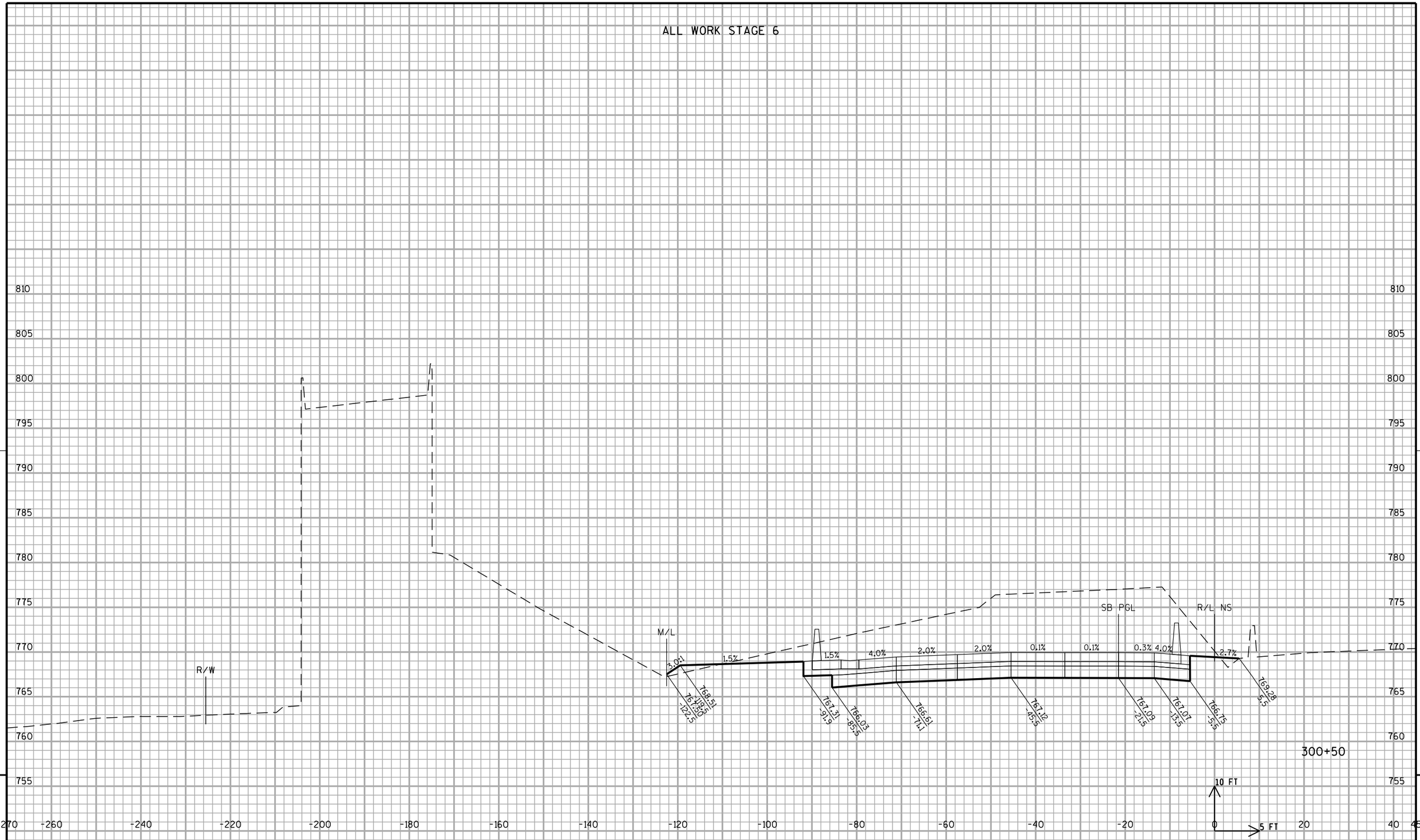
STA 300+00 TO 300+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s22 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



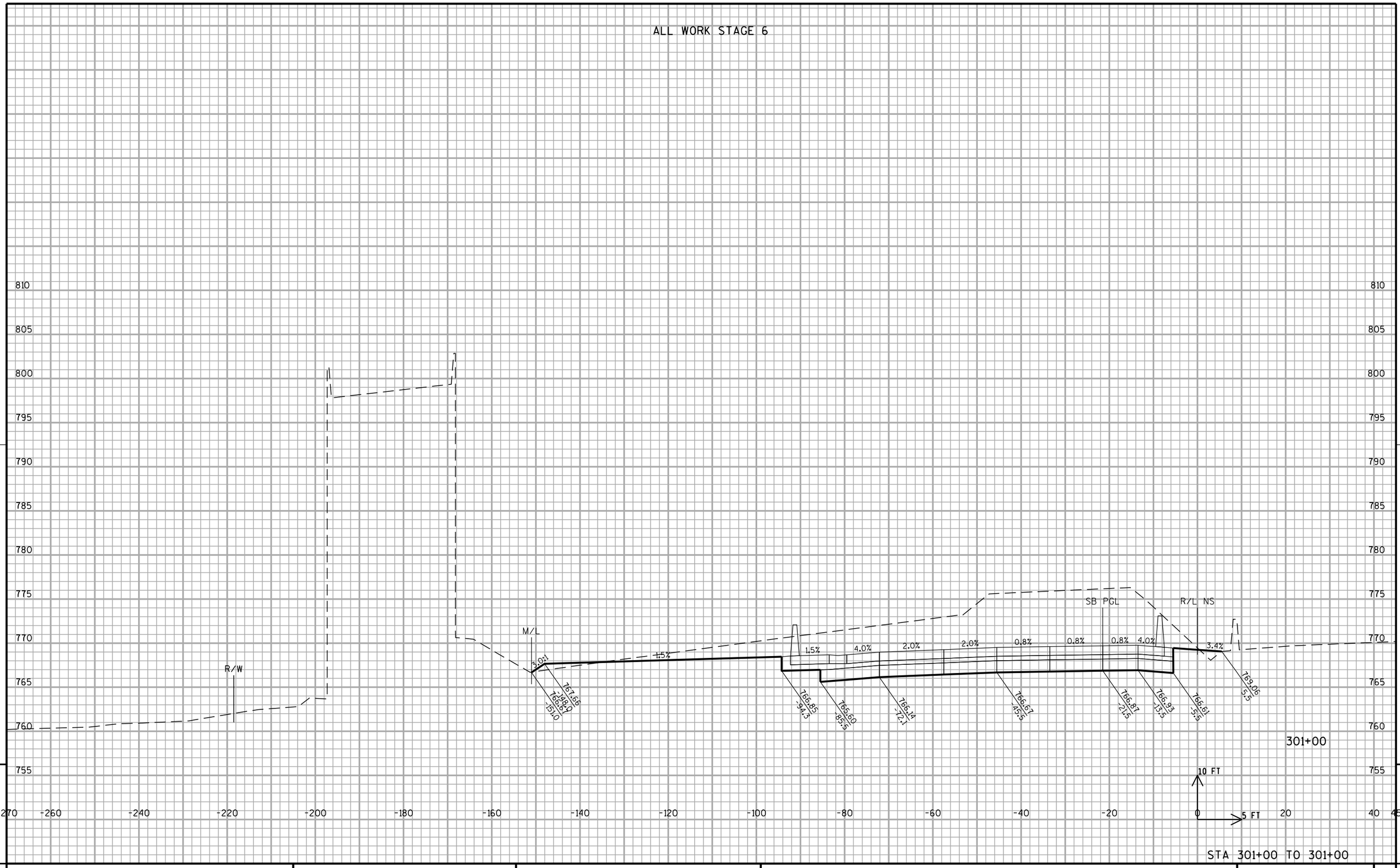
STA 300+50 TO 300+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s121 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



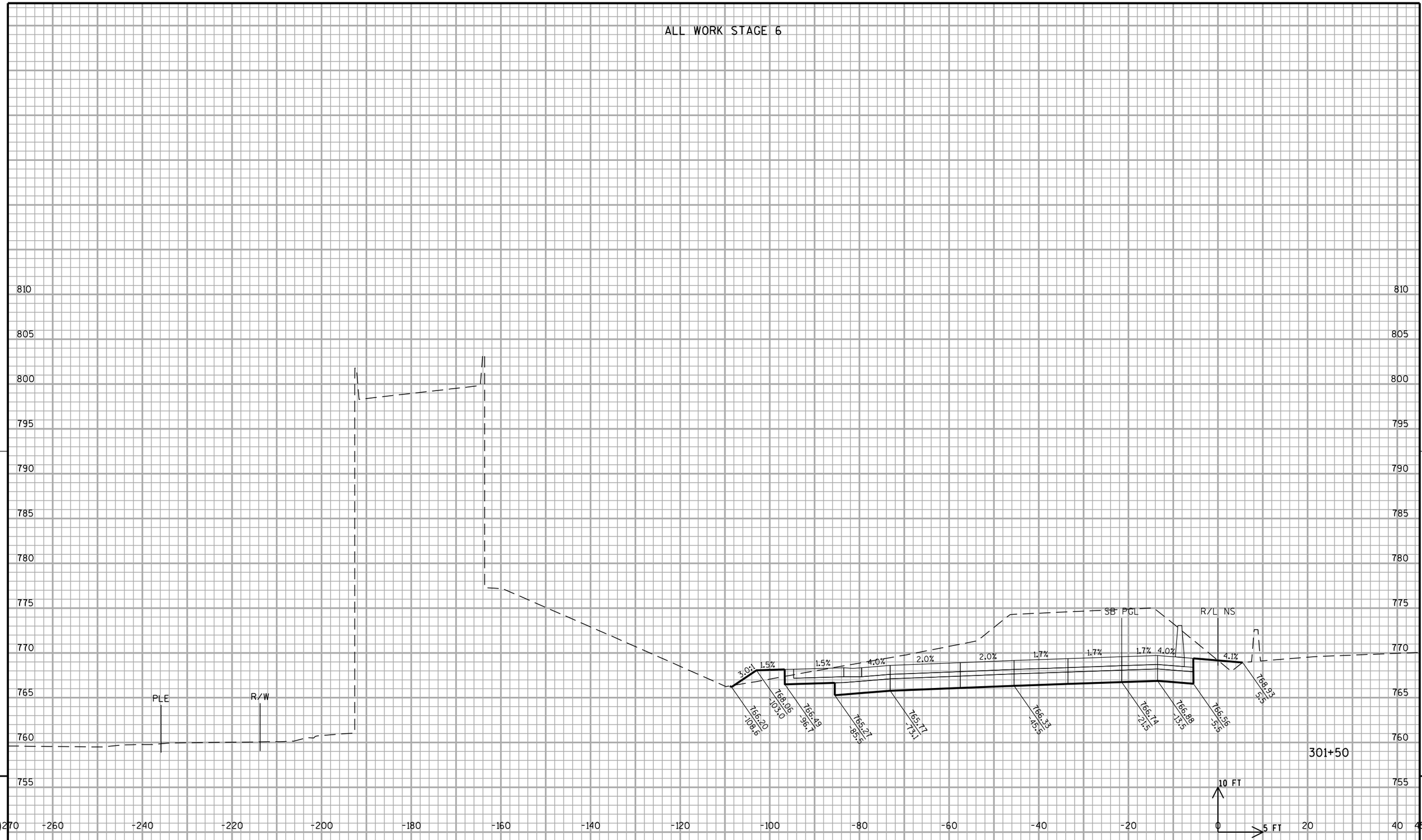
STA 301+00 TO 301+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

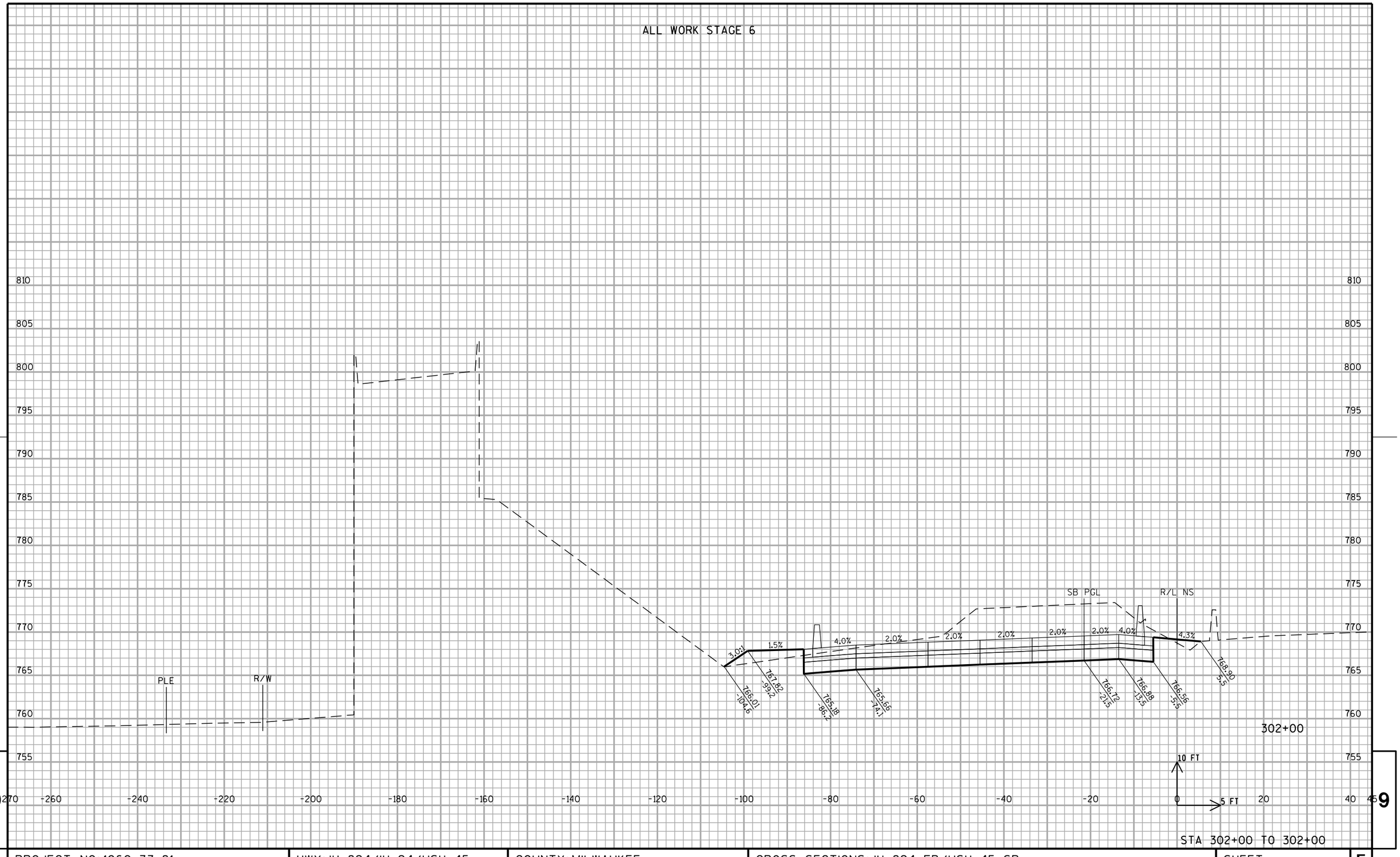
ALL WORK STAGE 6



STA 301+50 TO 301+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 6

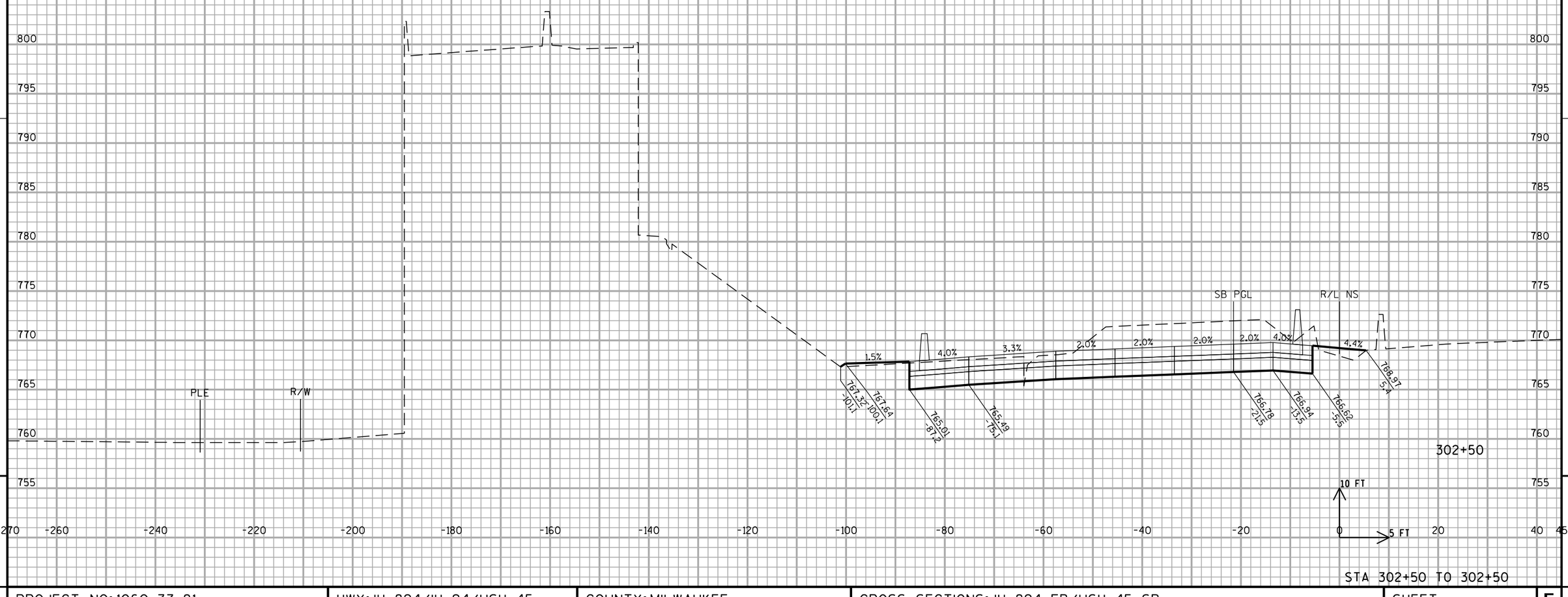


STA 302+00 TO 302+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s12 PLOT SCALE : 20:1

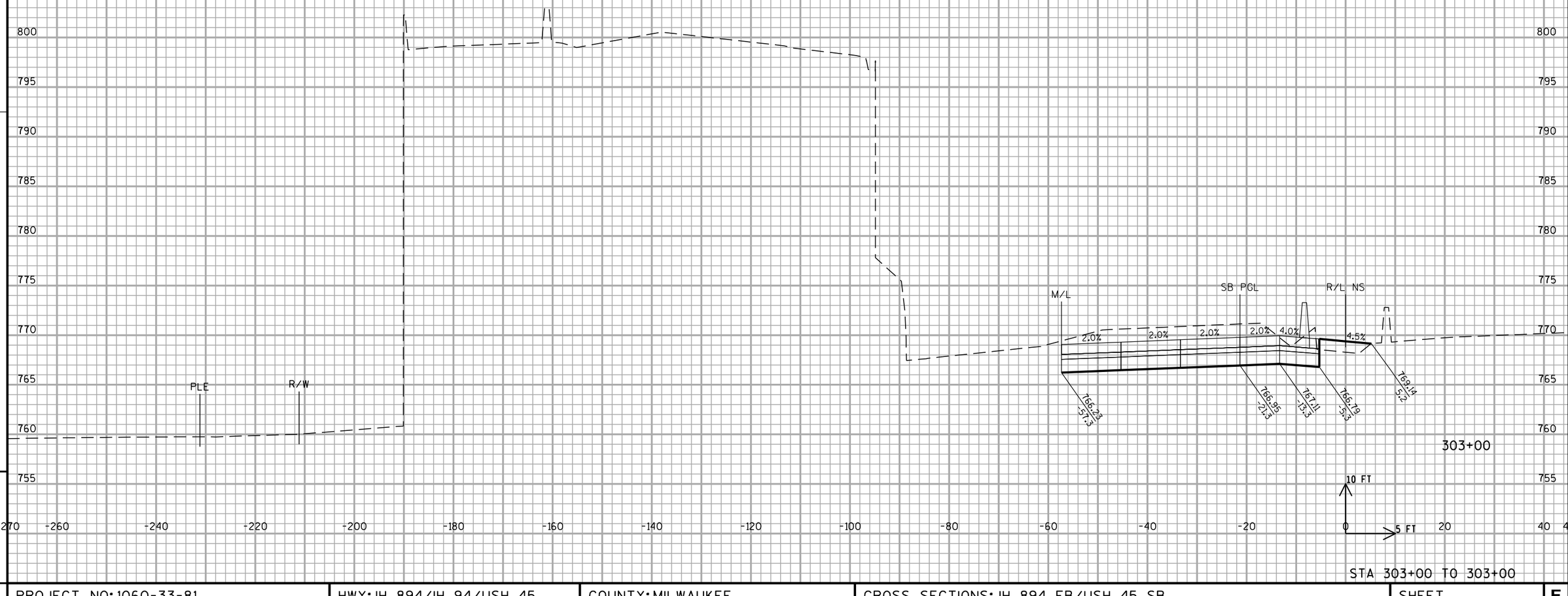
ALL WORK STAGE 6



STA 302+50 TO 302+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

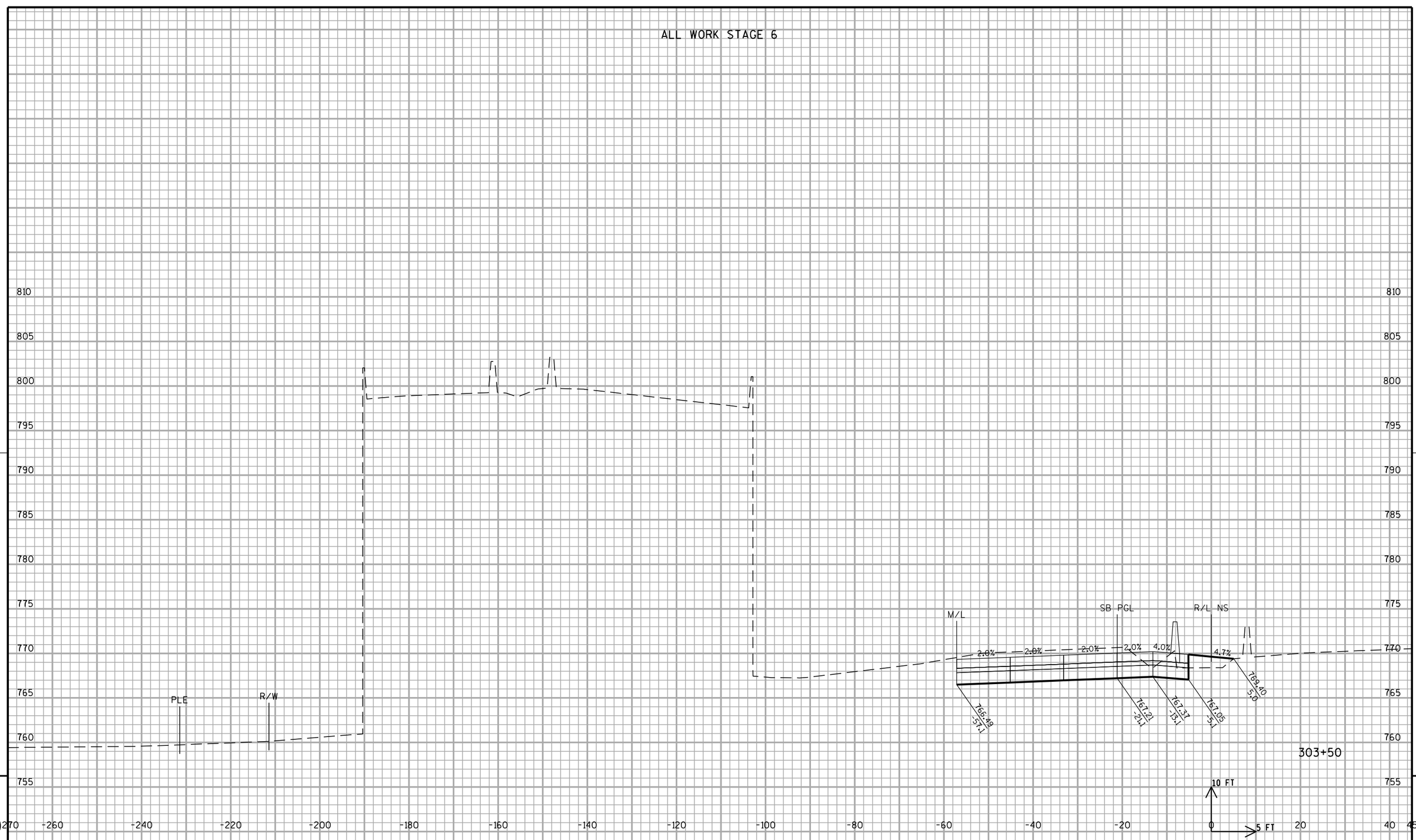
ALL WORK STAGE 6



STA 303+00 TO 303+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

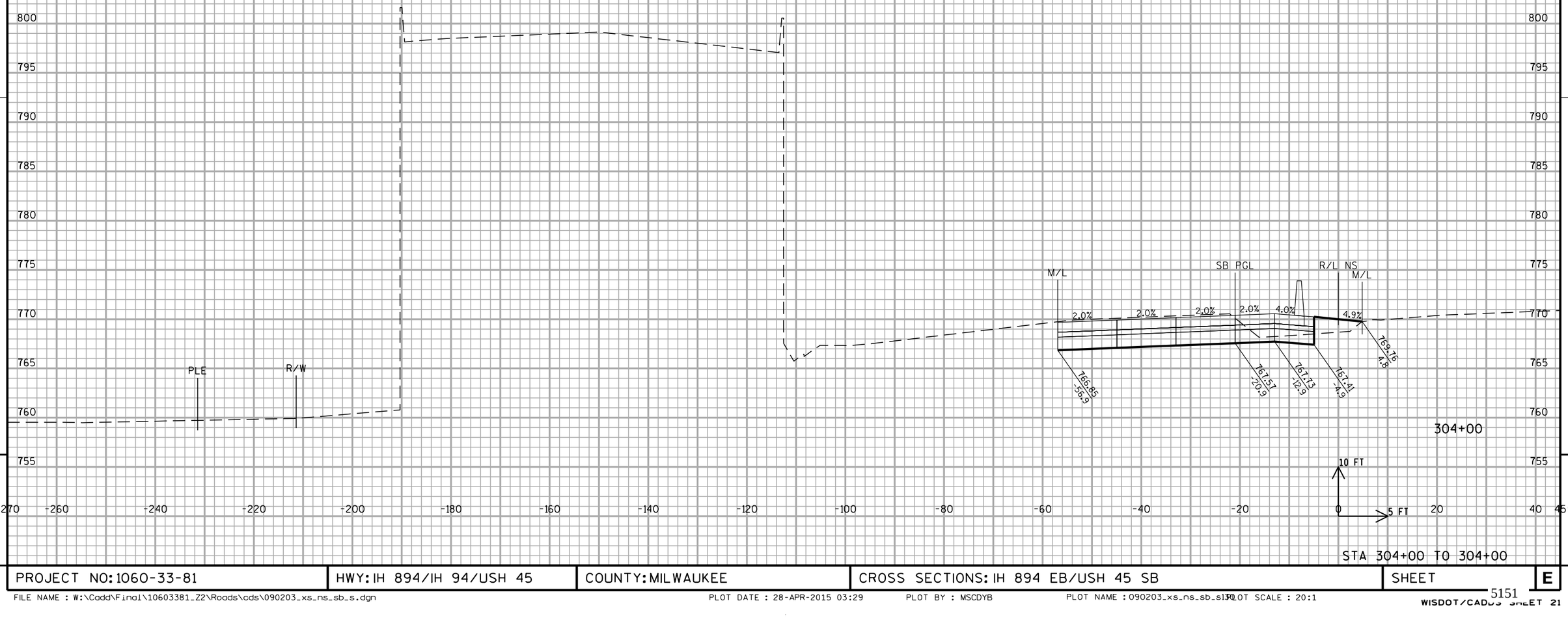
ALL WORK STAGE 6



STA 303+50 TO 303+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

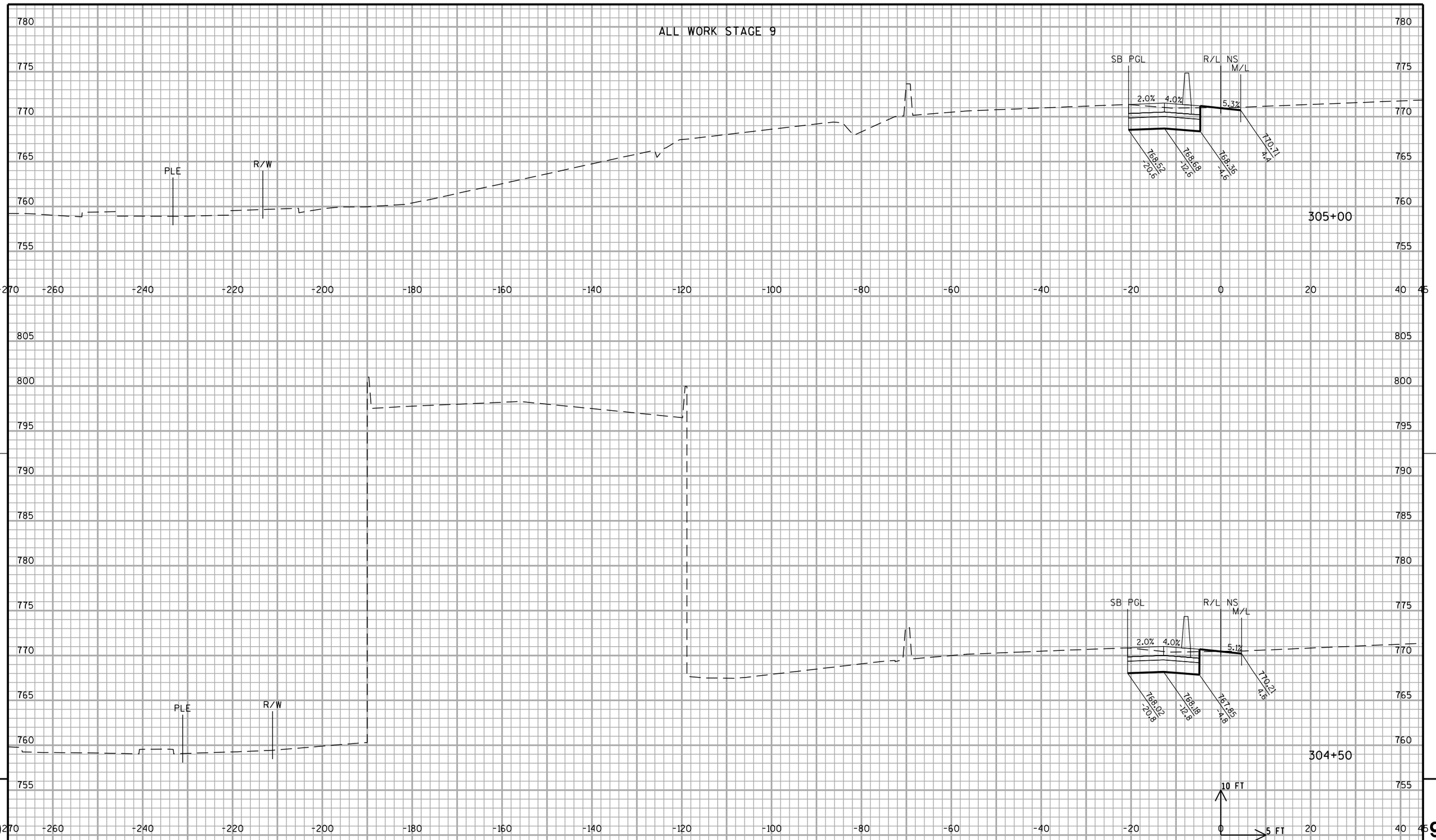
ALL WORK STAGE 6



STA 304+00 TO 304+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

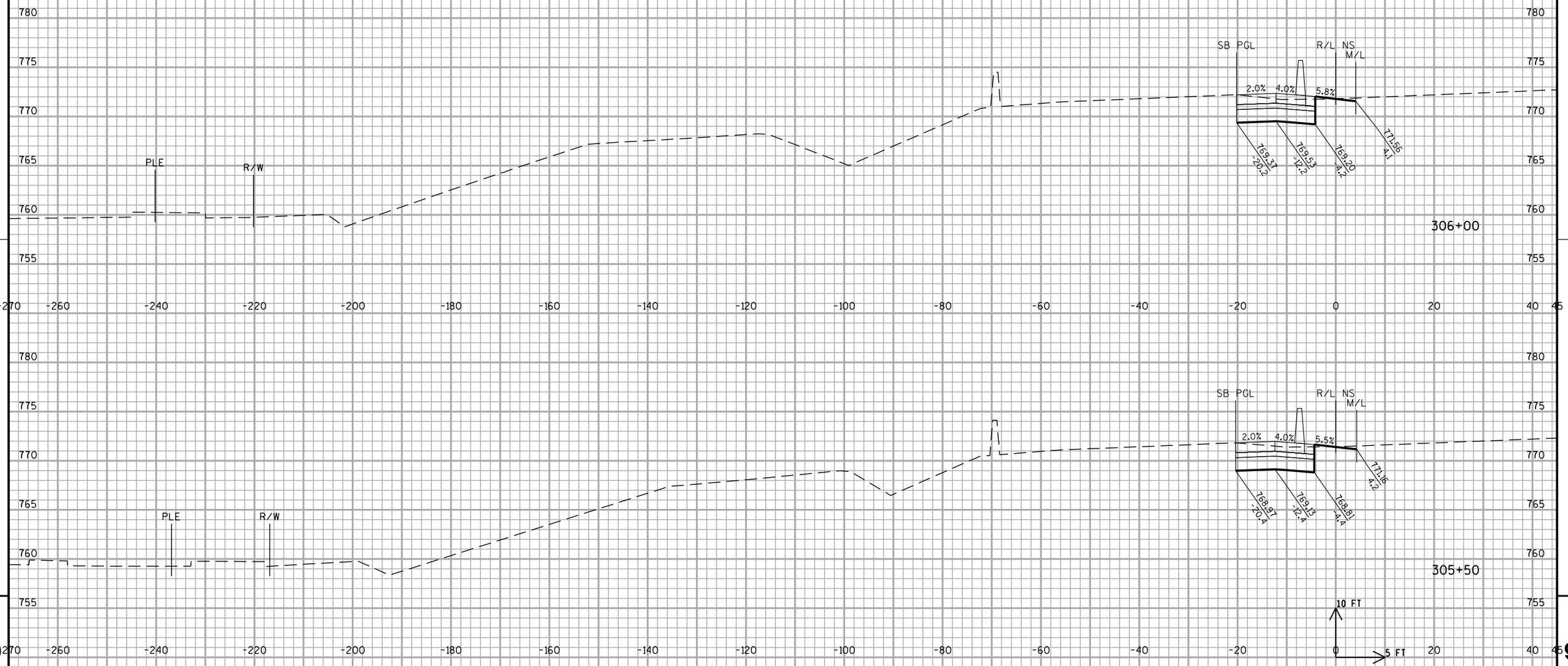
ALL WORK STAGE 9



STA 304+50 TO 305+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 9

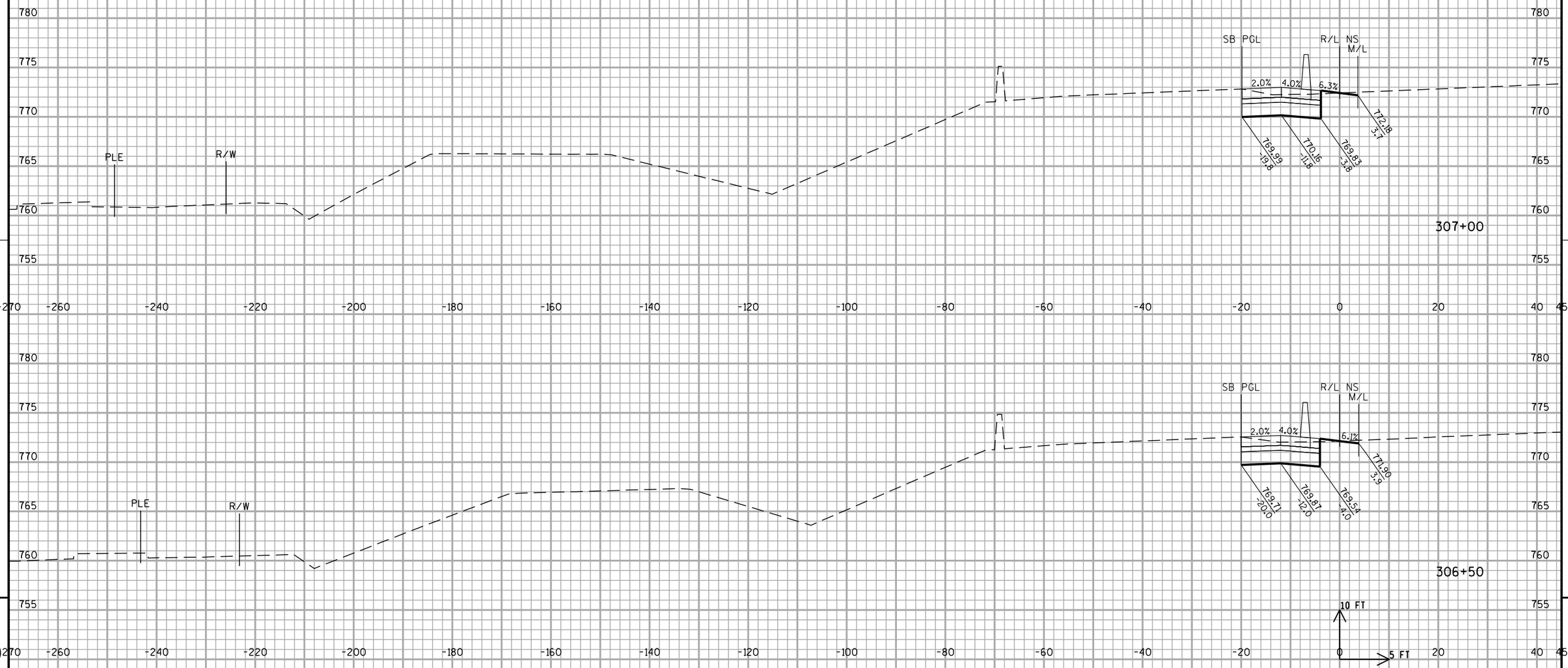


STA 305+50 TO 306+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1.pl PLOT SCALE : 20:1

ALL WORK STAGE 9



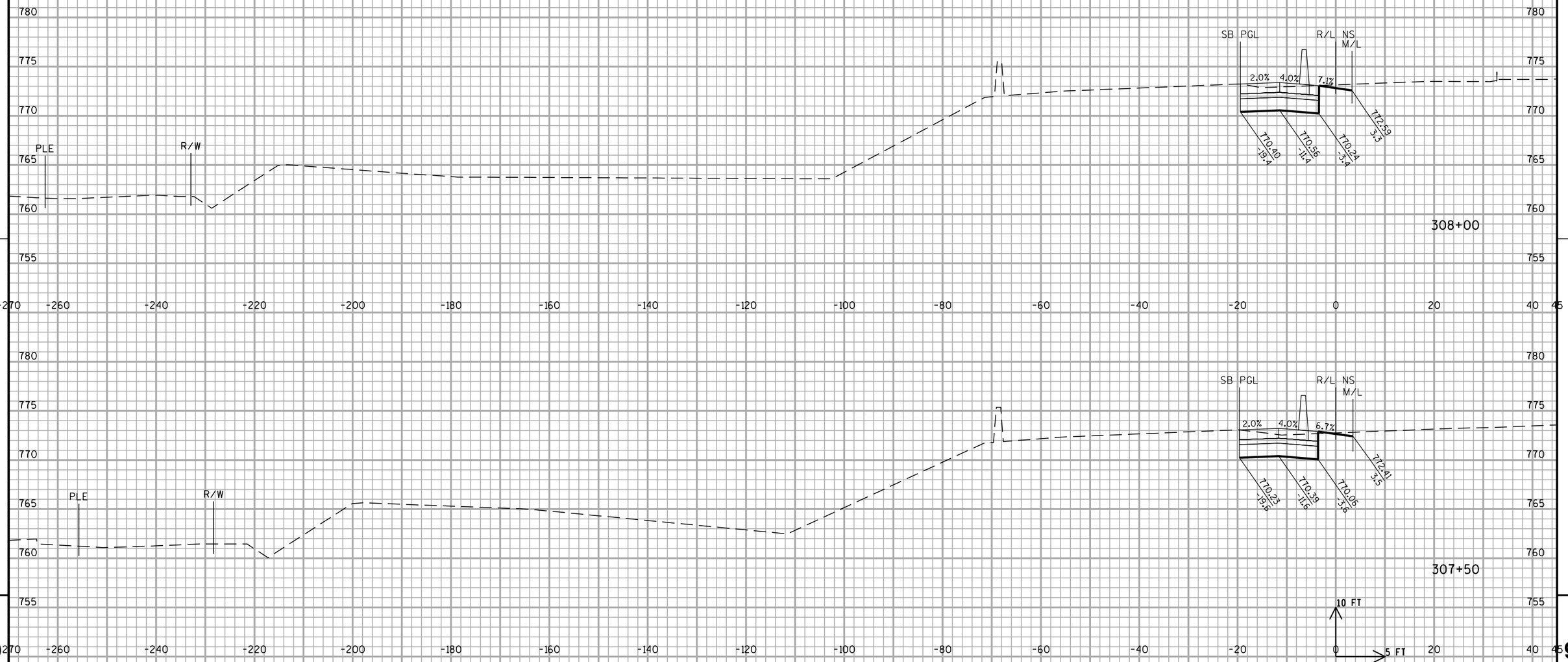
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

STA 306+50 TO 307+00

9

ALL WORK STAGE 9

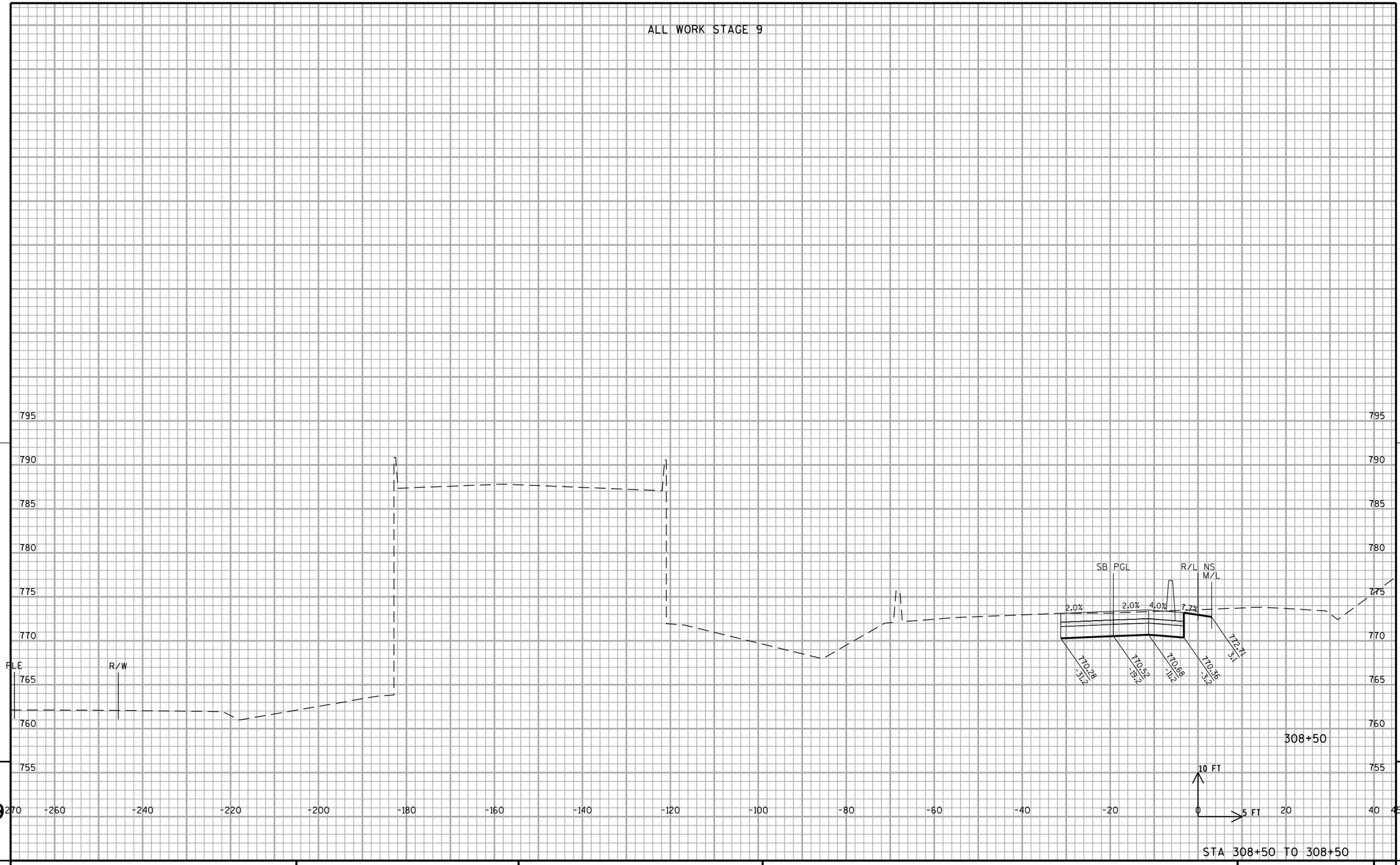


STA 307+50 TO 308+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s134 PLOT SCALE : 20:1

ALL WORK STAGE 9



STA 308+50 TO 308+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 9



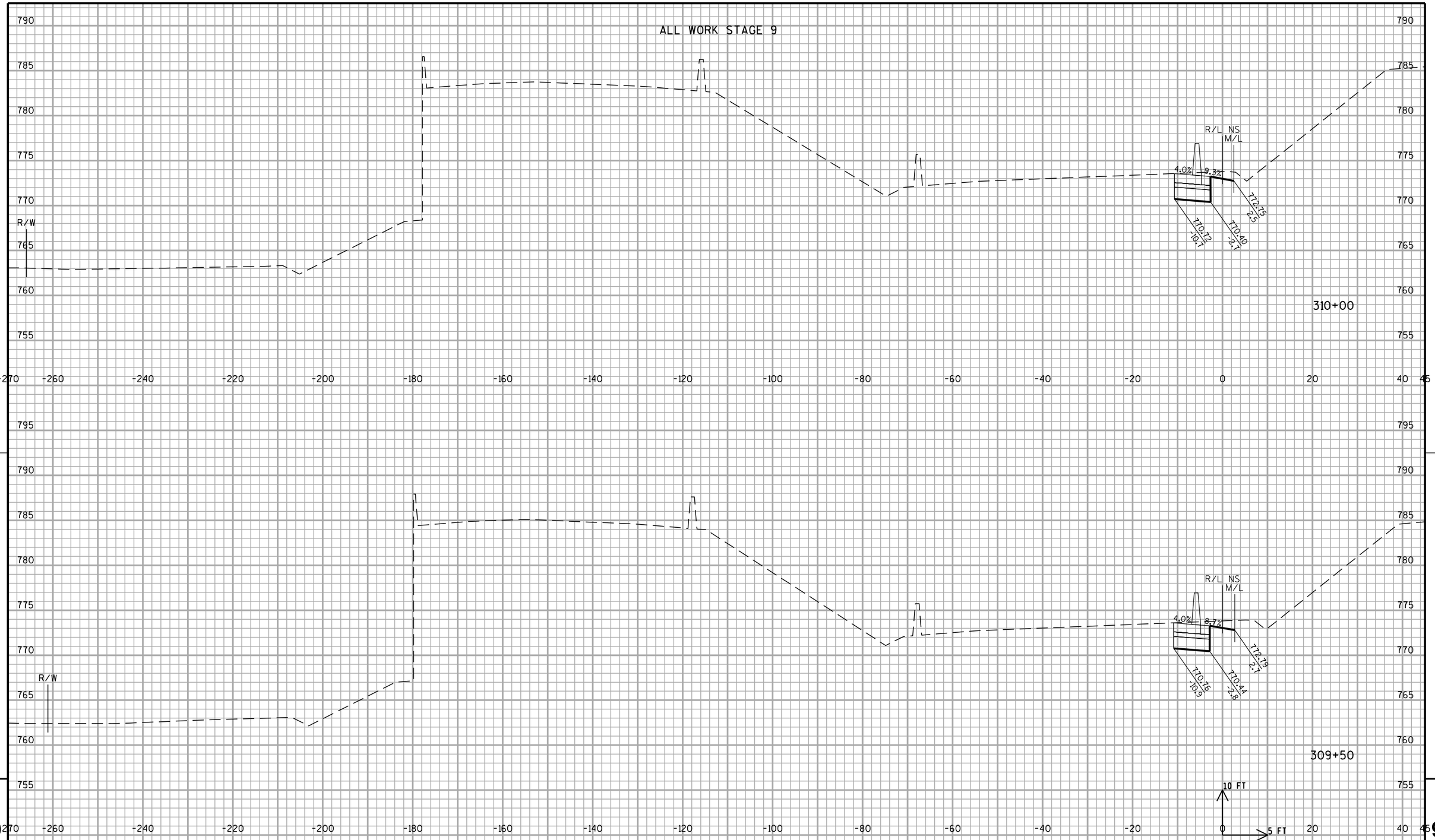
9

9

STA 309+00 TO 309+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 9



9

9

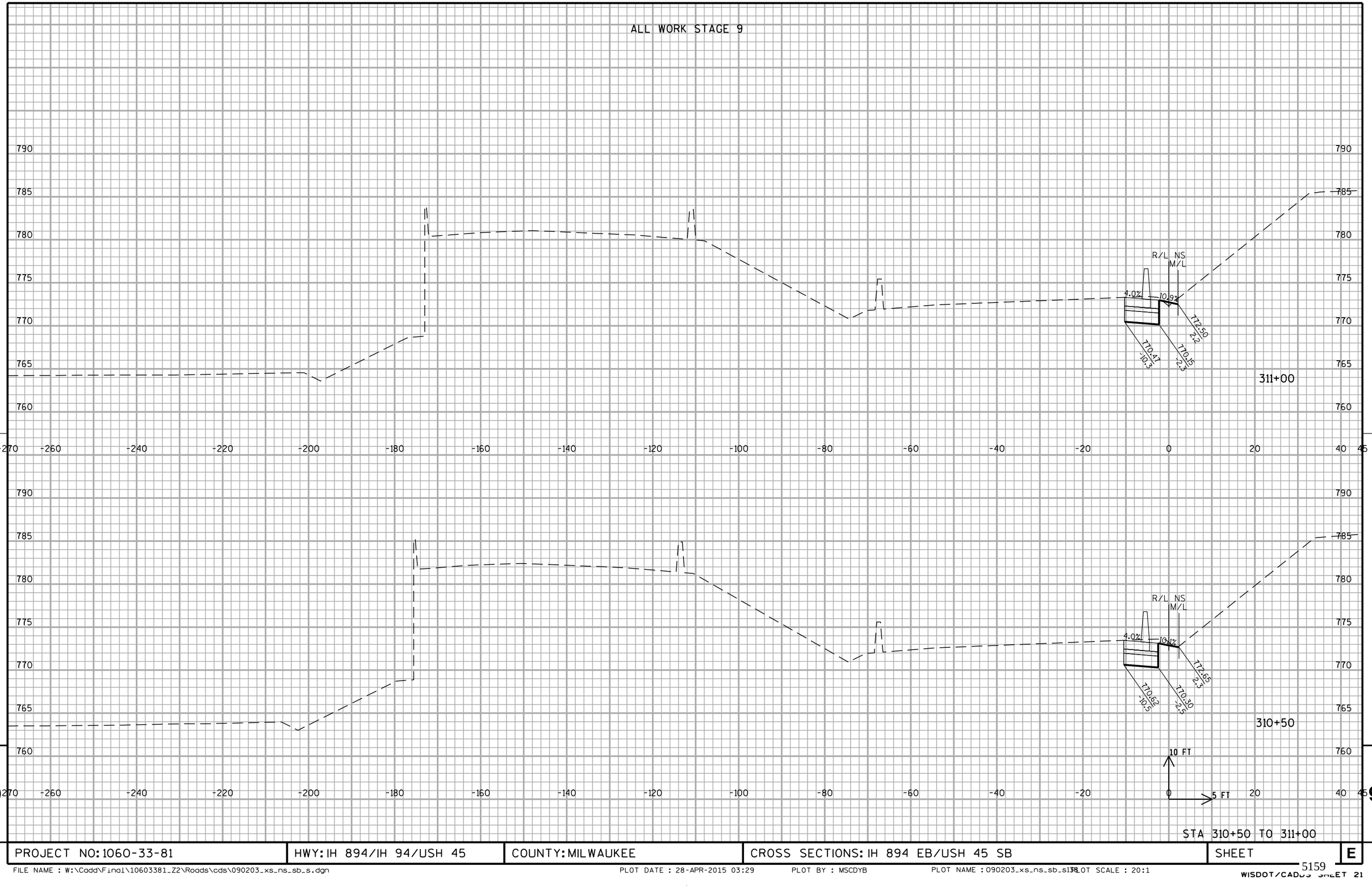
STA 309+50 TO 310+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090203_xs_ns_sb_s.dgn PLOT DATE : 28-APR-2015 03:29 PLOT BY : MSCDYB PLOT NAME : 090203_xs_ns_sb_s1.pl PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 9



STA 310+50 TO 311+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

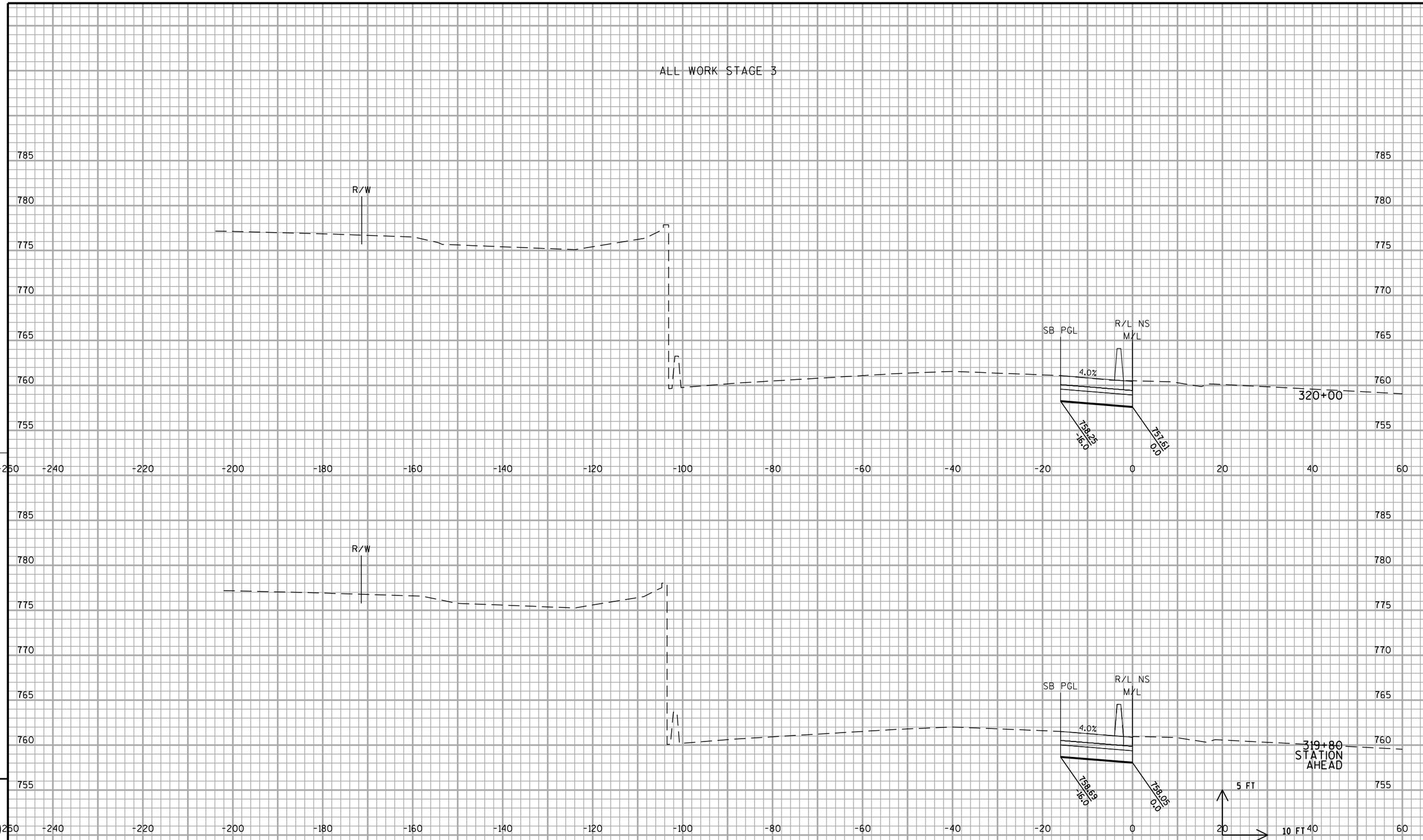
ALL WORK STAGE 9



STA 311+20 TO 311+20

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 EB/USH 45 SB	SHEET	E

ALL WORK STAGE 3



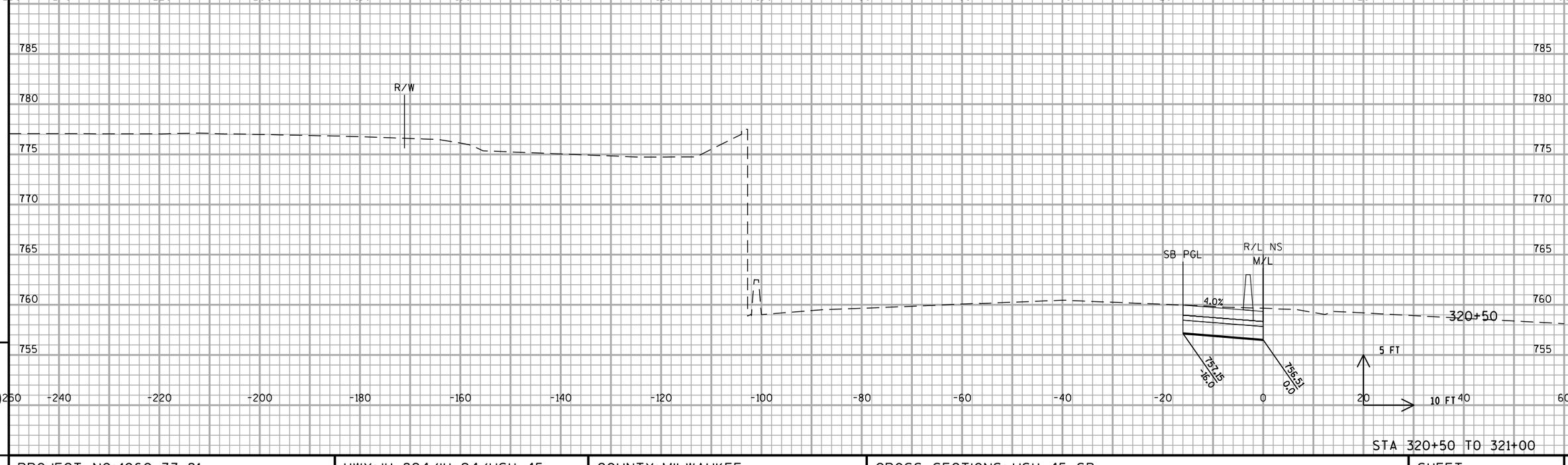
STA 319+80 TO 320+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090204_xs_ns_sb_n.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090204_xs_ns_sb_n PLOT SCALE : 20:1

ALL WORK STAGE 3



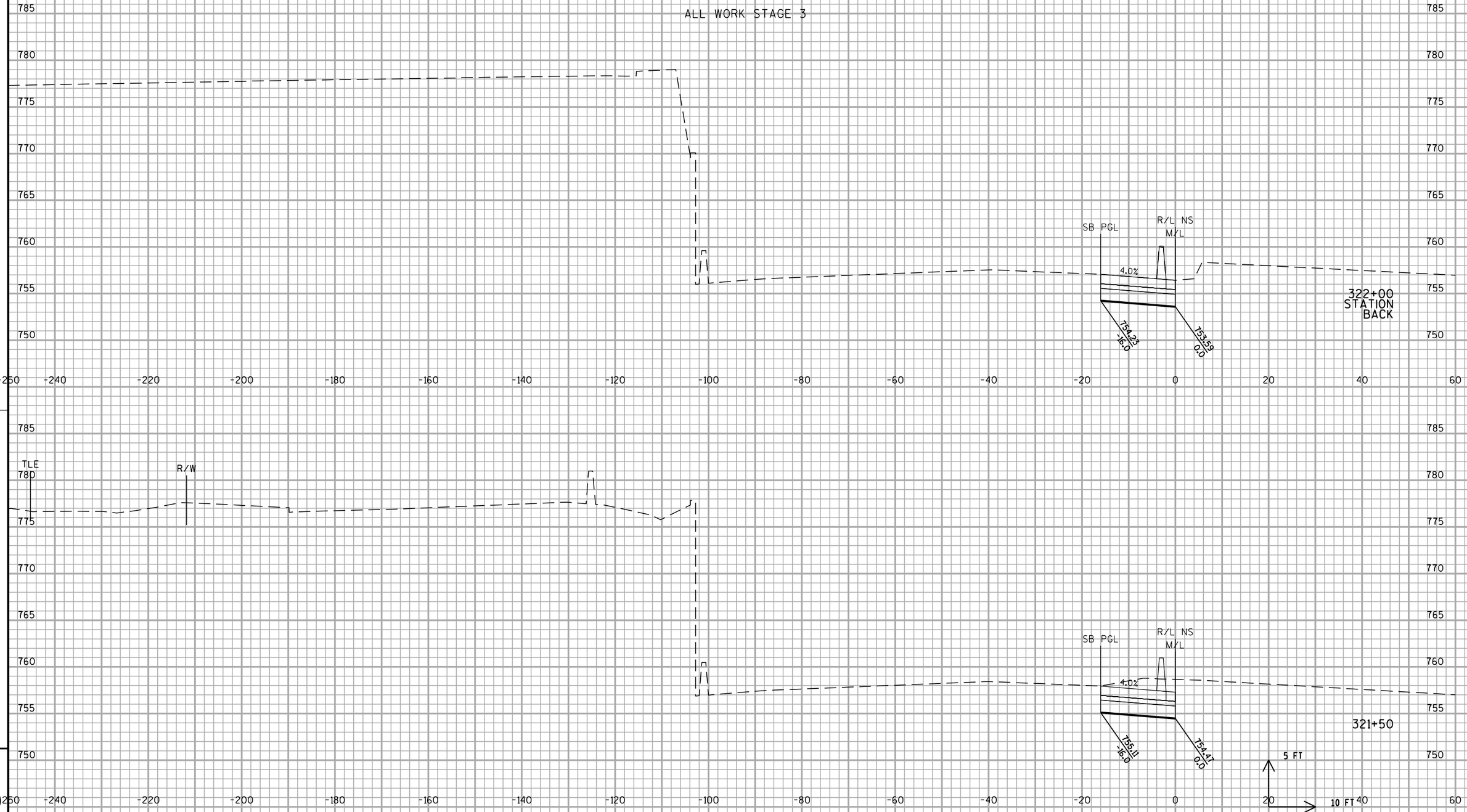


STA 320+50 TO 321+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090204_xs_ns_sb_n.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090204_xs_ns_sb_n1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



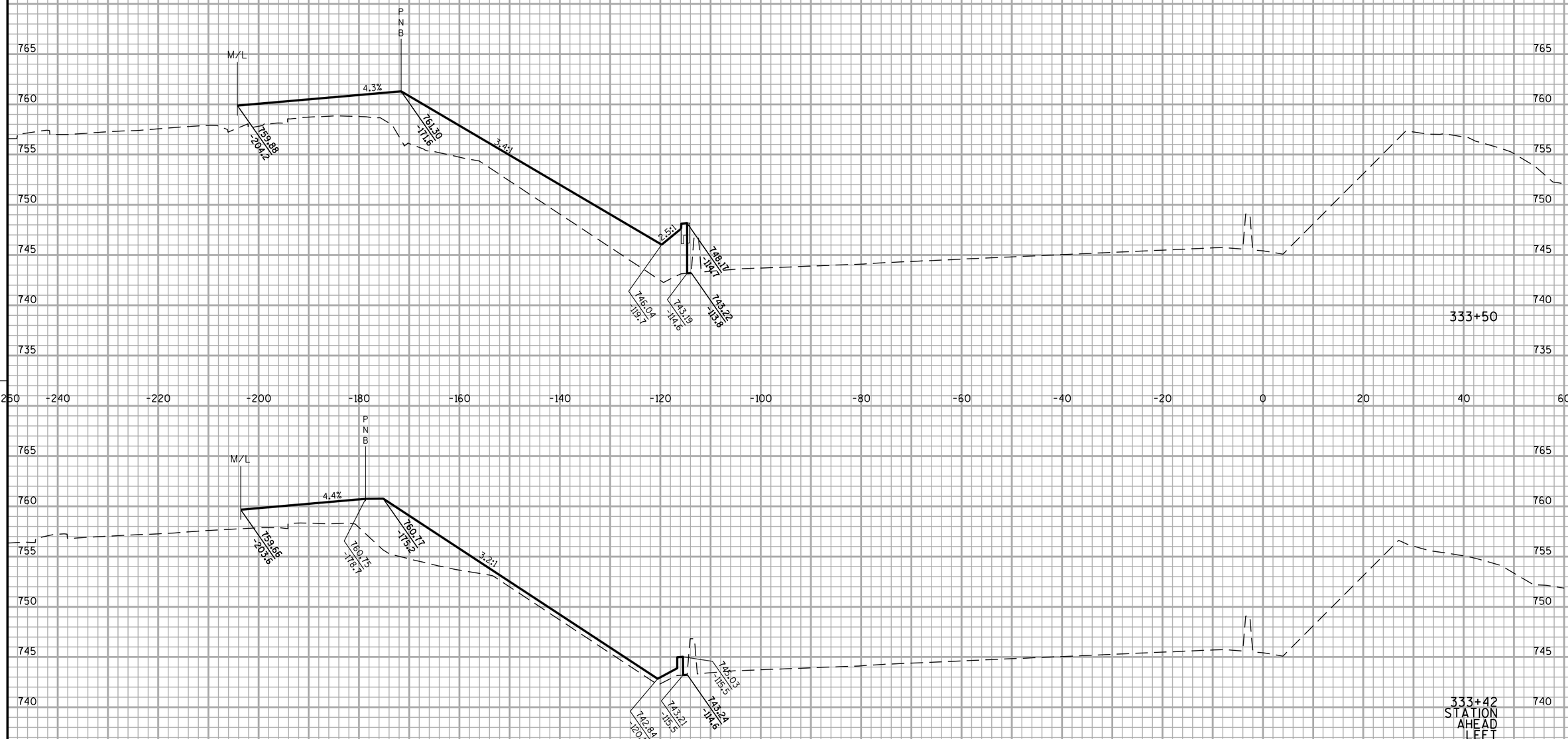
STA 321+50 TO 322+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090204_xs_ns_sb_n.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090204_xs_ns_sb_n2PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

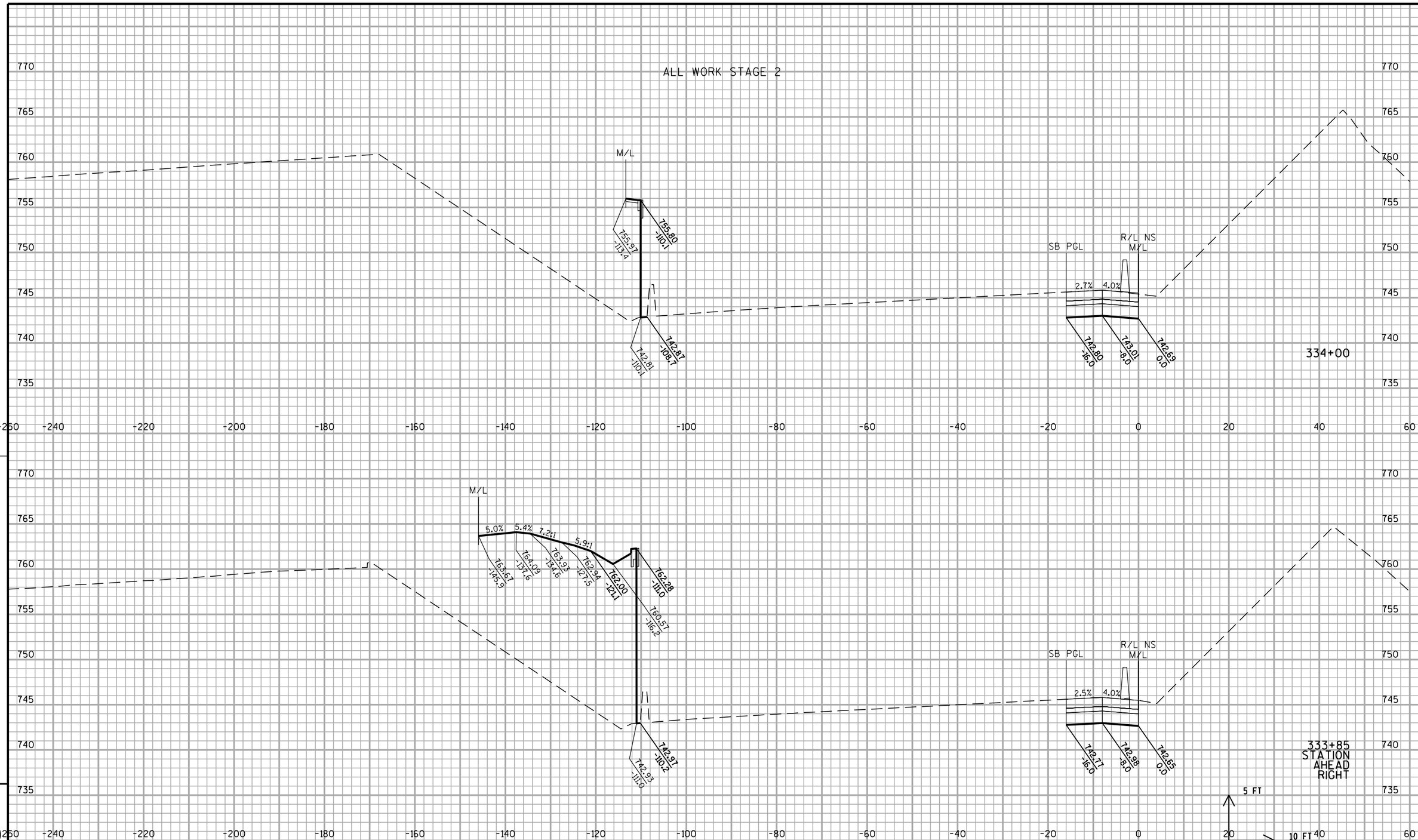


STA 333+42 TO 333+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090204_xs_ns_sb_n.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090204_xs_ns_sb_n3PLOT SCALE : 20:1

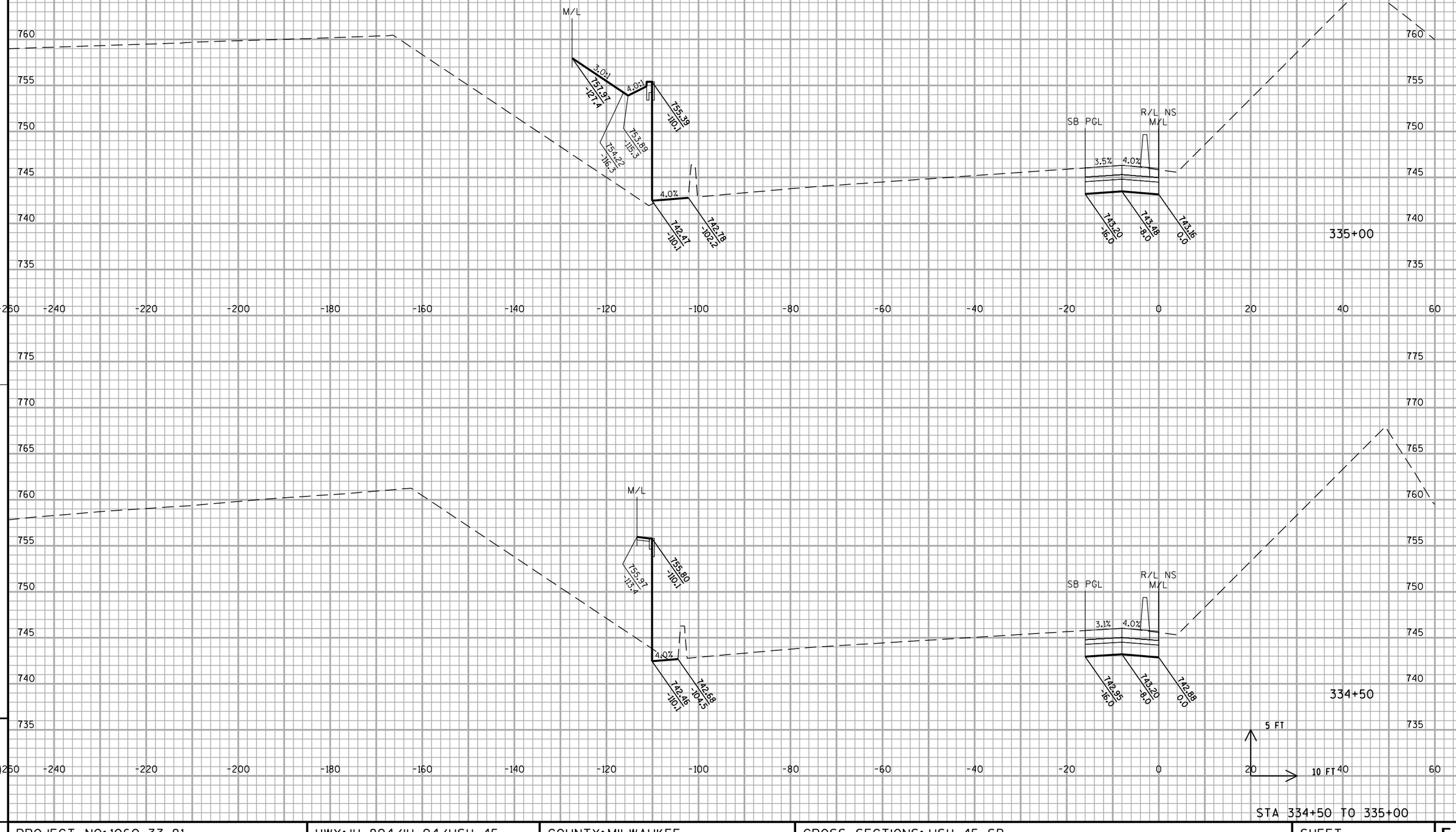
ALL WORK STAGE 2



STA 333+85 TO 334+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

ALL WORK STAGE 2



STA 334+50 TO 335+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

ALL WORK STAGE 2

765 760 755 750 745 740 735

-260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60

749.88
-139.5
3.0:1
4.0:1
0.2%
741.89
-115.5
741.56
-114.5
742.51
-110.1
742.95
-110.1
742.84
-102.0

335+31
STATION
BACK
LEFT

770 765 760 755 750 745 740 735

M/L
757.55
-128.0
3.0:1
753.61
-116.3
753.27
-115.3
754.77
-110.1
4.0%
742.47
-110.1
742.78
-102.2

SB PGL
R/L NS
M/L
3.5%
4.0%
743.21
-16.0
743.49
-8.0
743.17
0.0

335+02
STATION
BACK
RIGHT

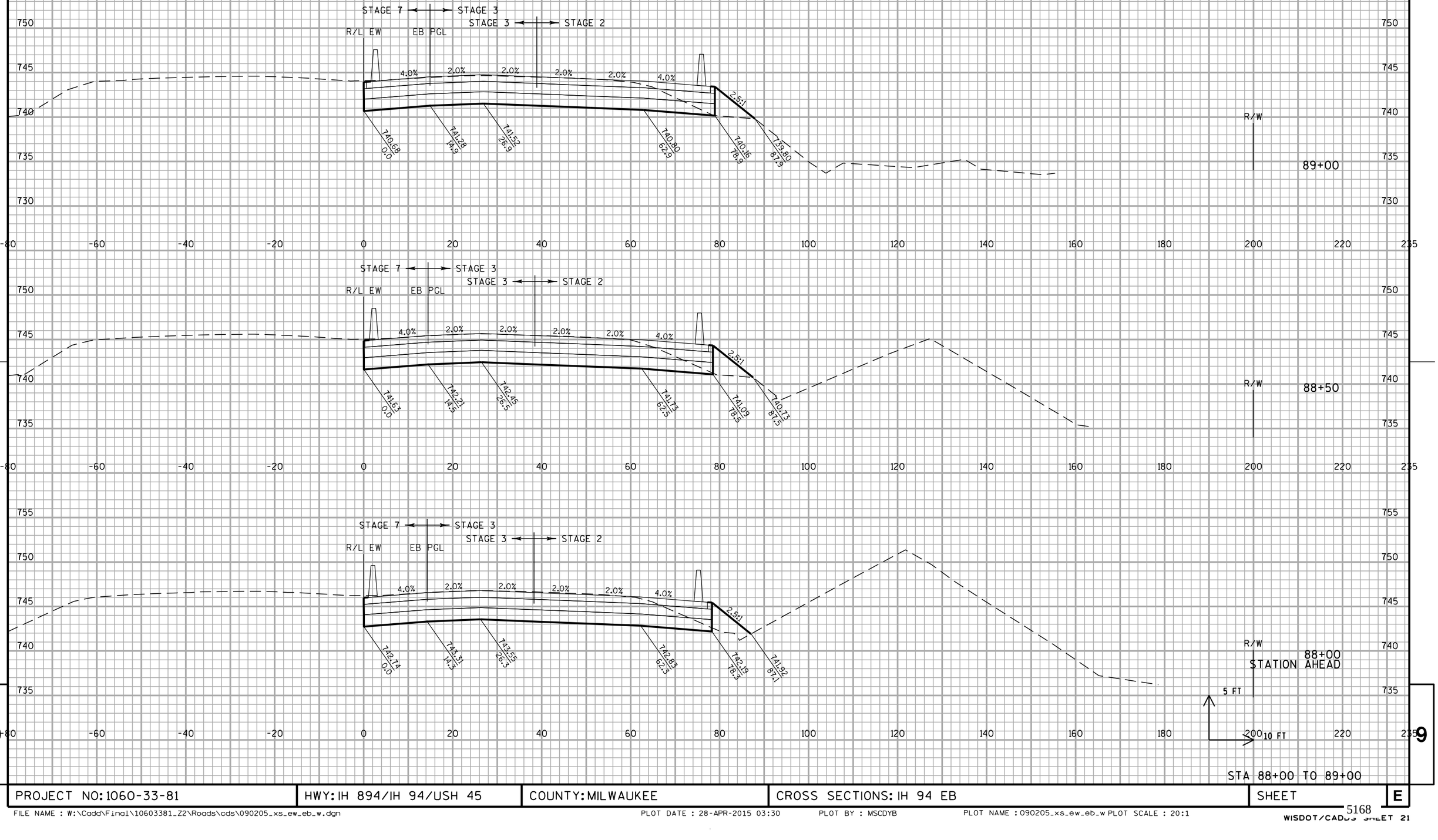
5 FT
10 FT

STA 335+02 TO 335+31

9 9

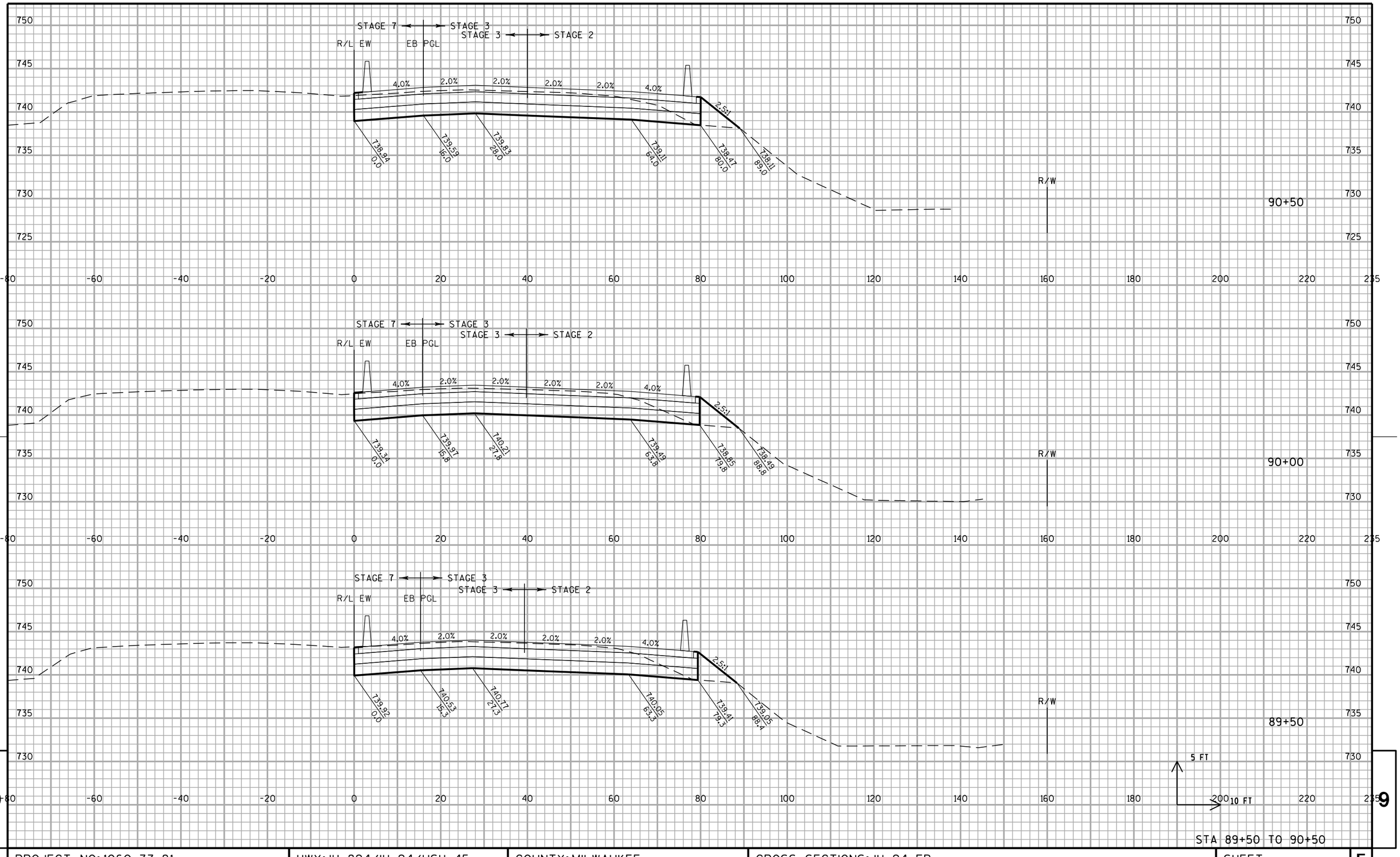
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: USH 45 SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090204_xs_ns_sb_n.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090204_xs_ns_sb_n6PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET E

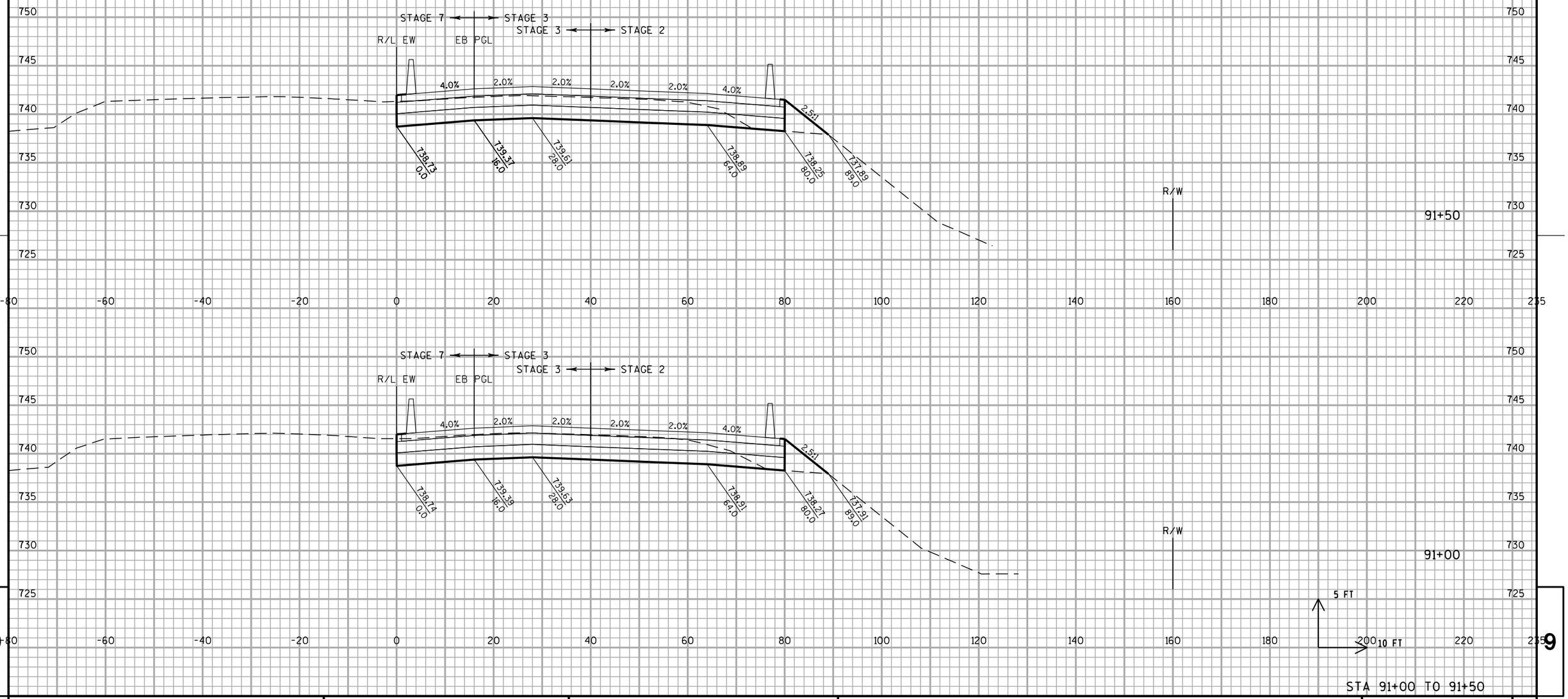
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 89+50 TO 90+50

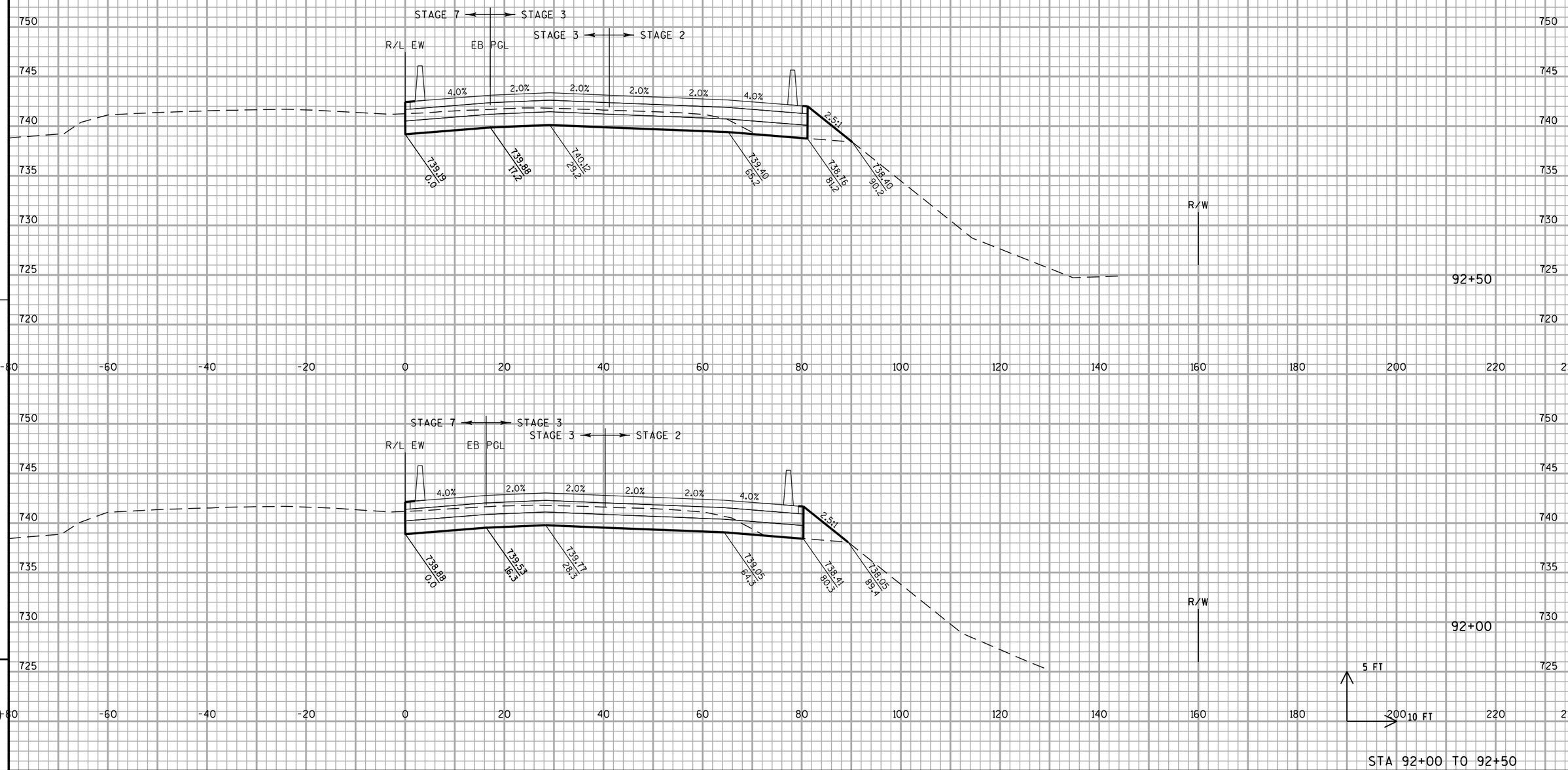
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 91+00 TO 91+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



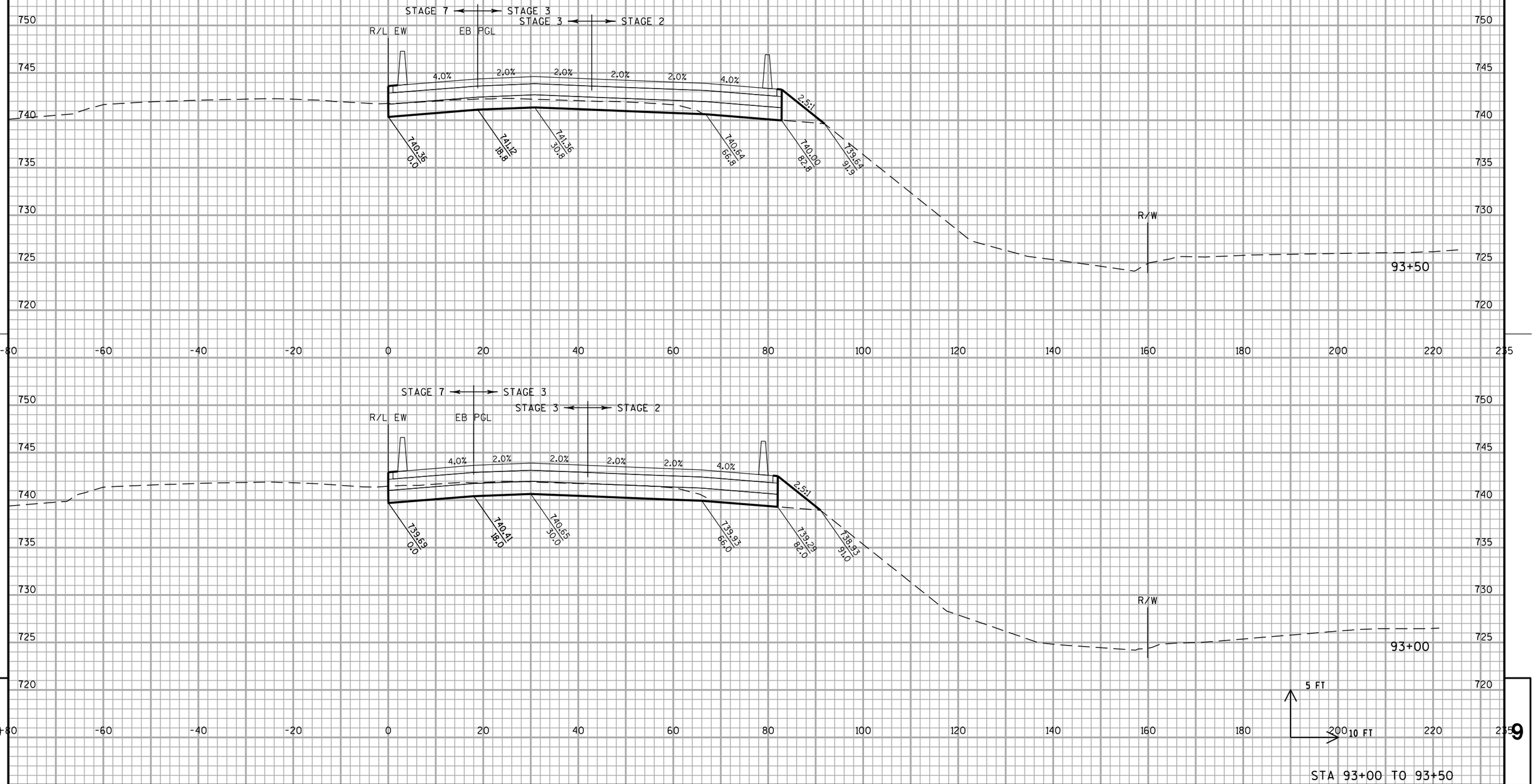
9

9

STA 92+00 TO 92+50

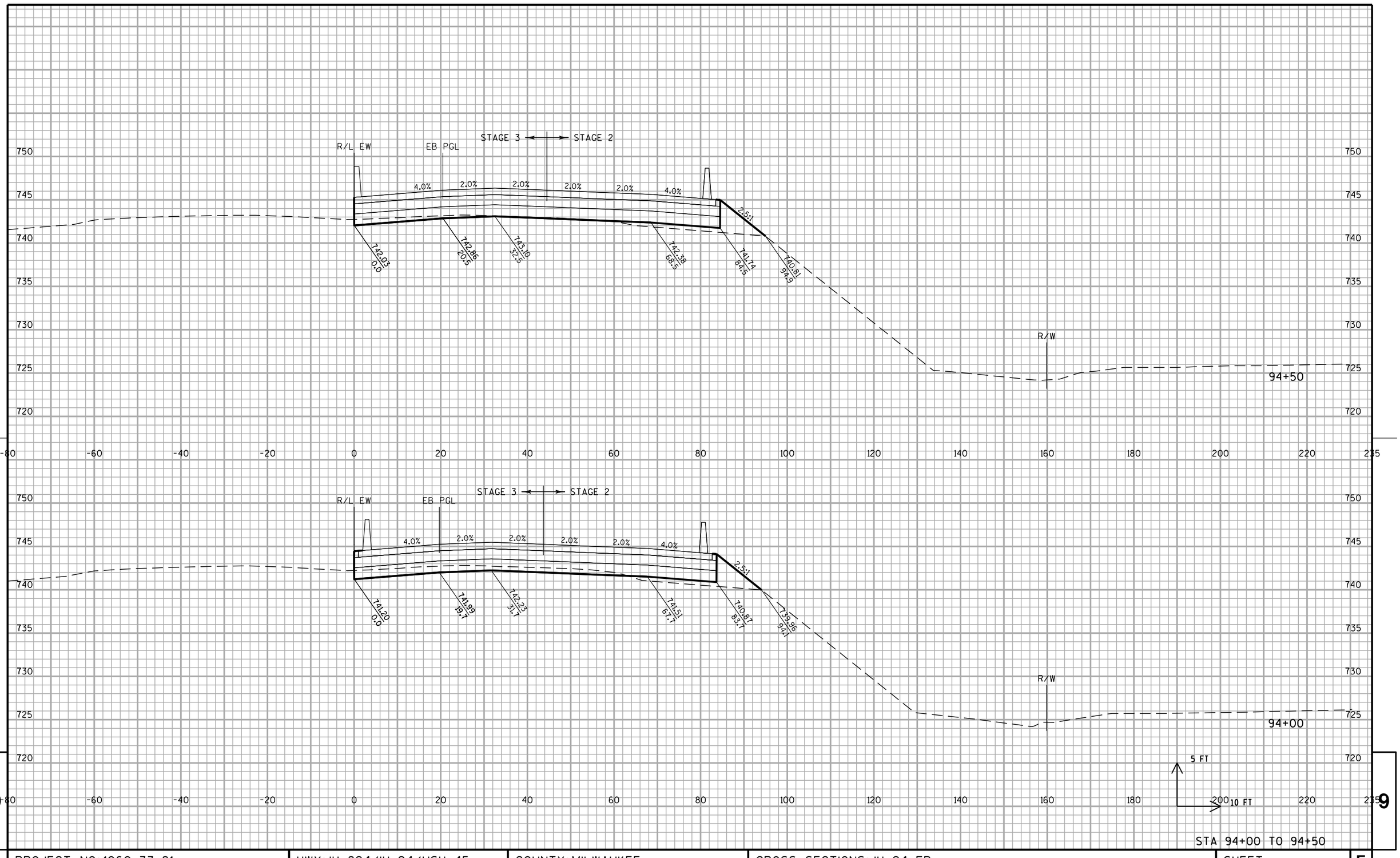
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w3 PLOT SCALE : 20:1

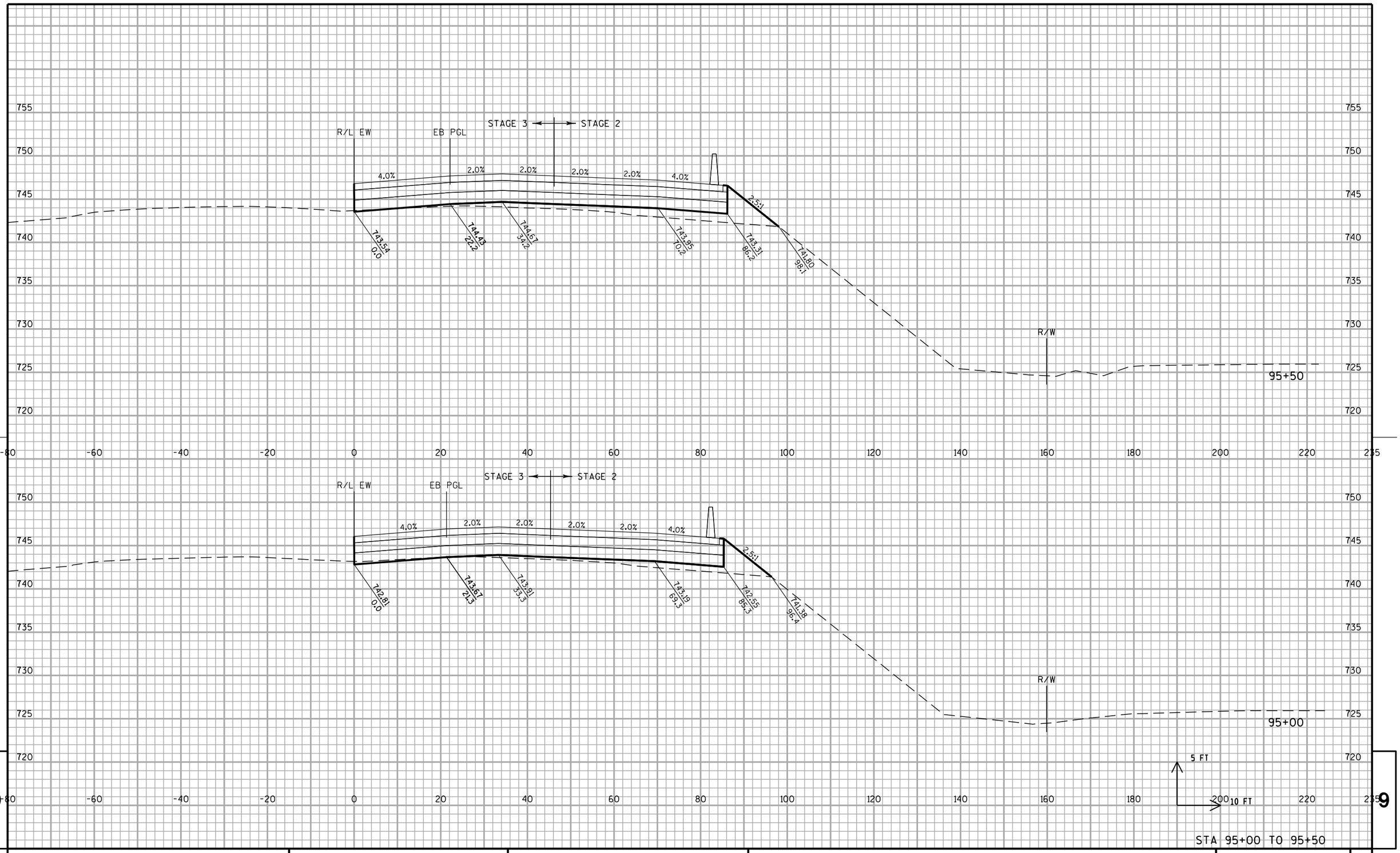


STA 93+00 TO 93+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

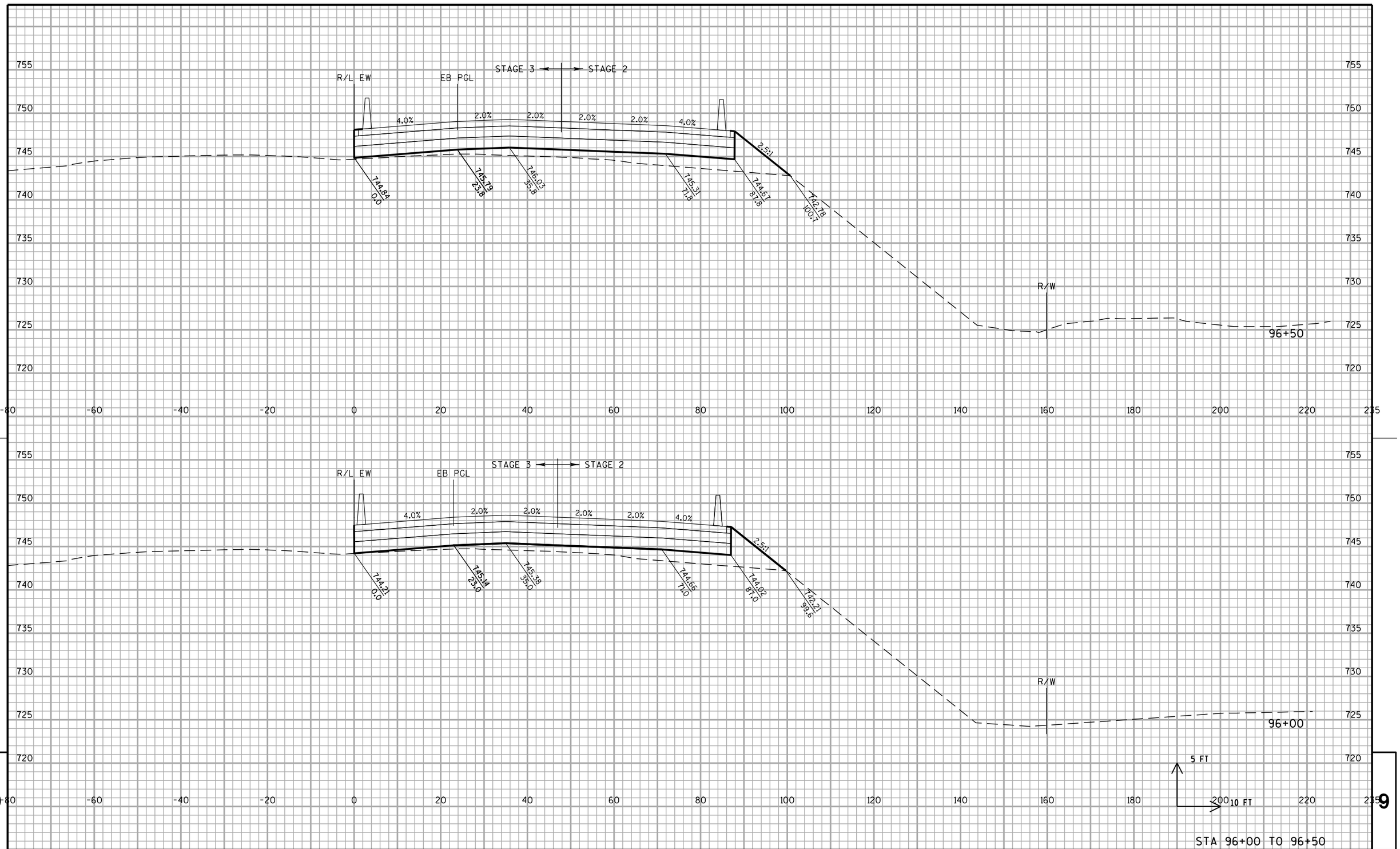


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 95+00 TO 95+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

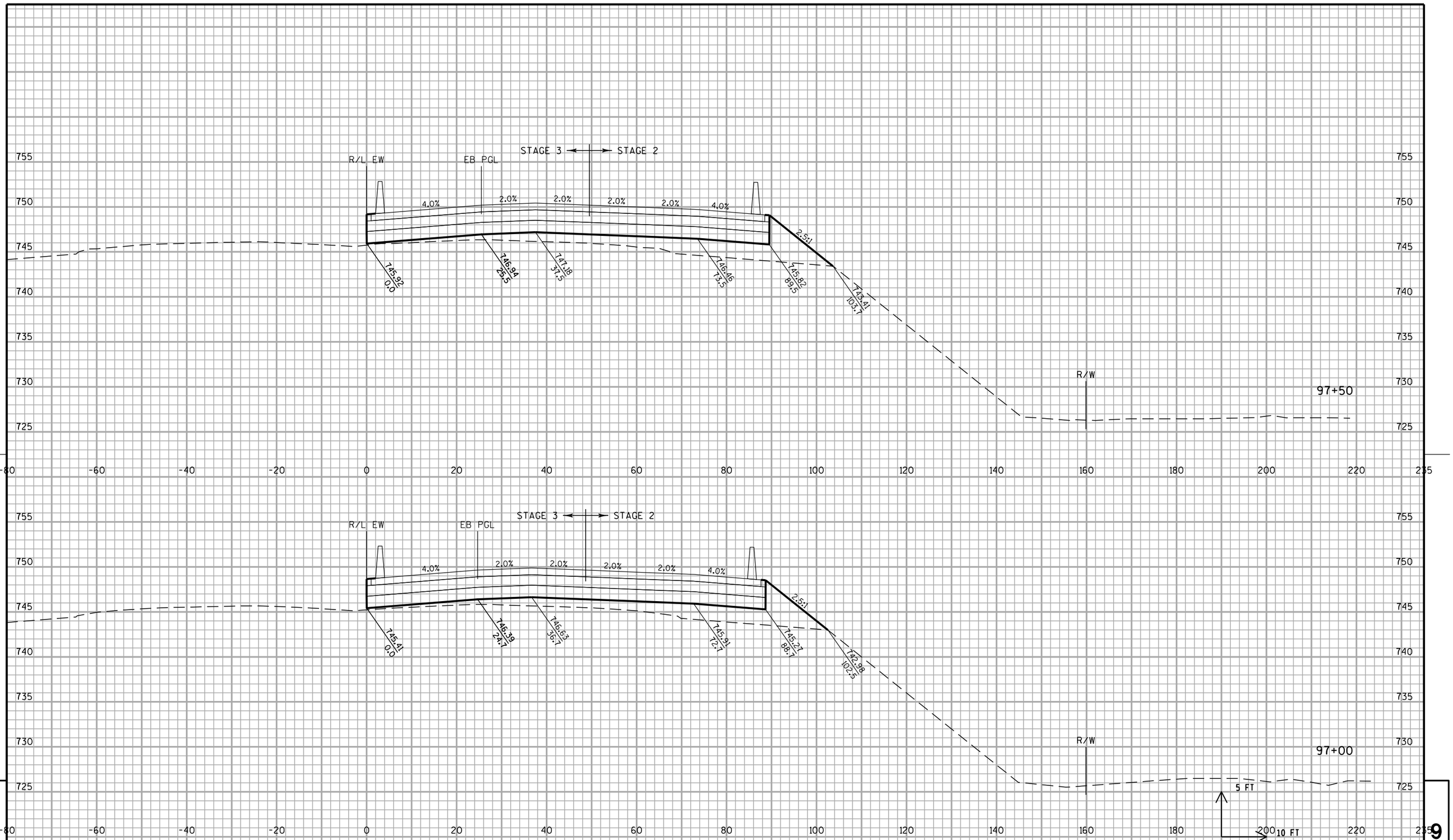


STA 96+00 TO 96+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

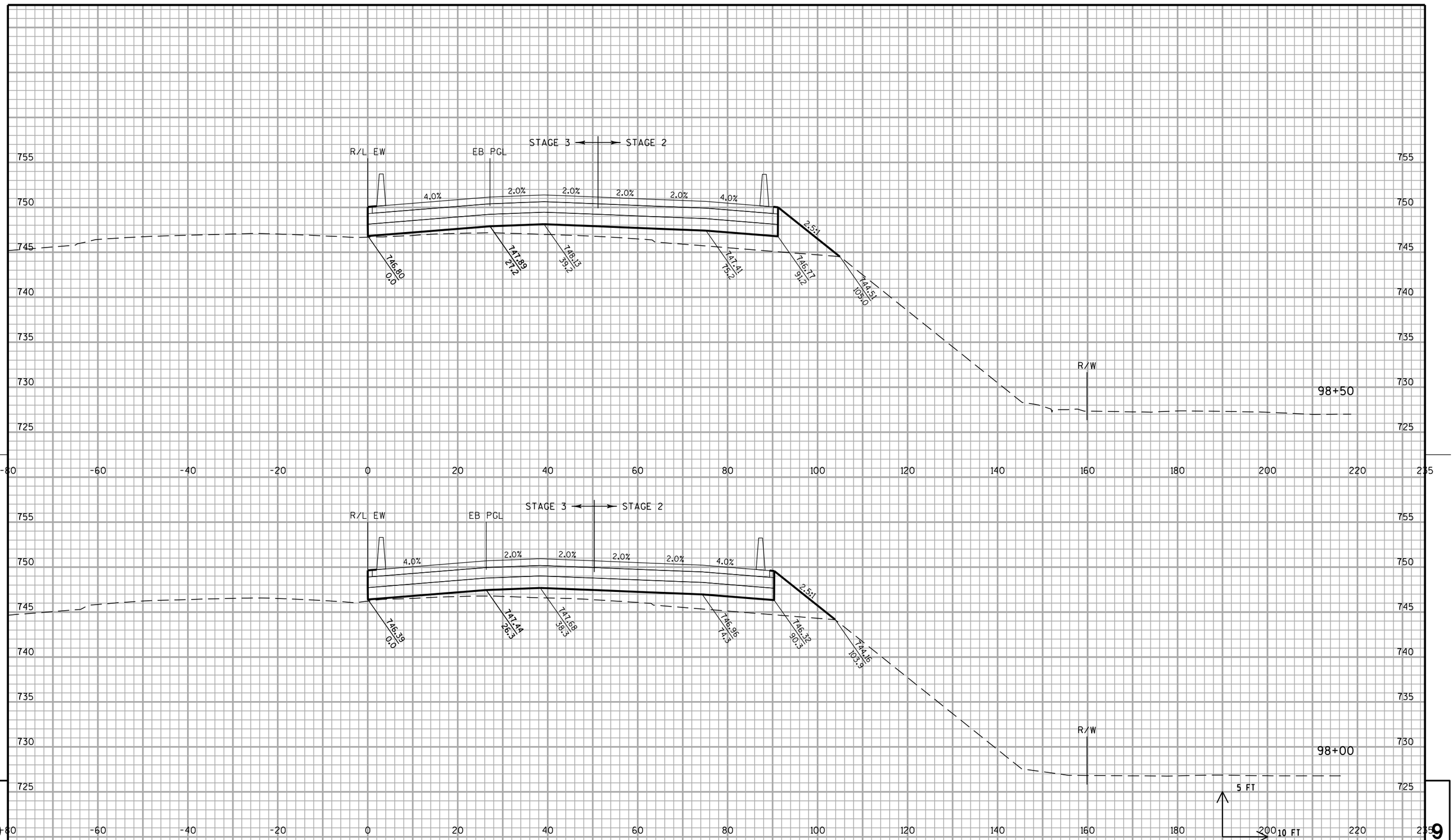
9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn
PLOT DATE : 29-MAY-2015 15:54
PLOT BY : MSCD1S
PLOT NAME : 090205_xs_EW_EB_W7PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



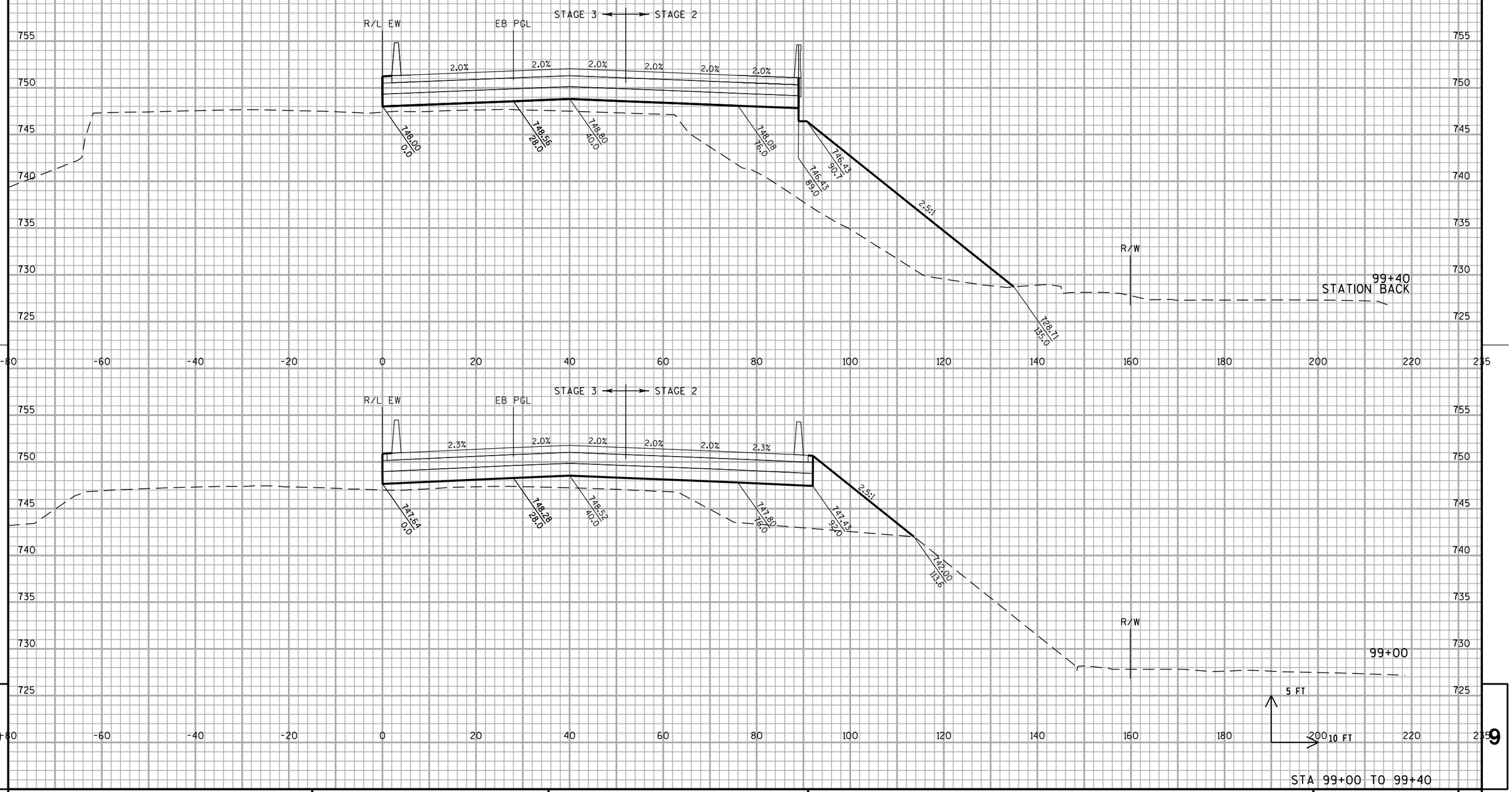
STA 97+00 TO 97+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



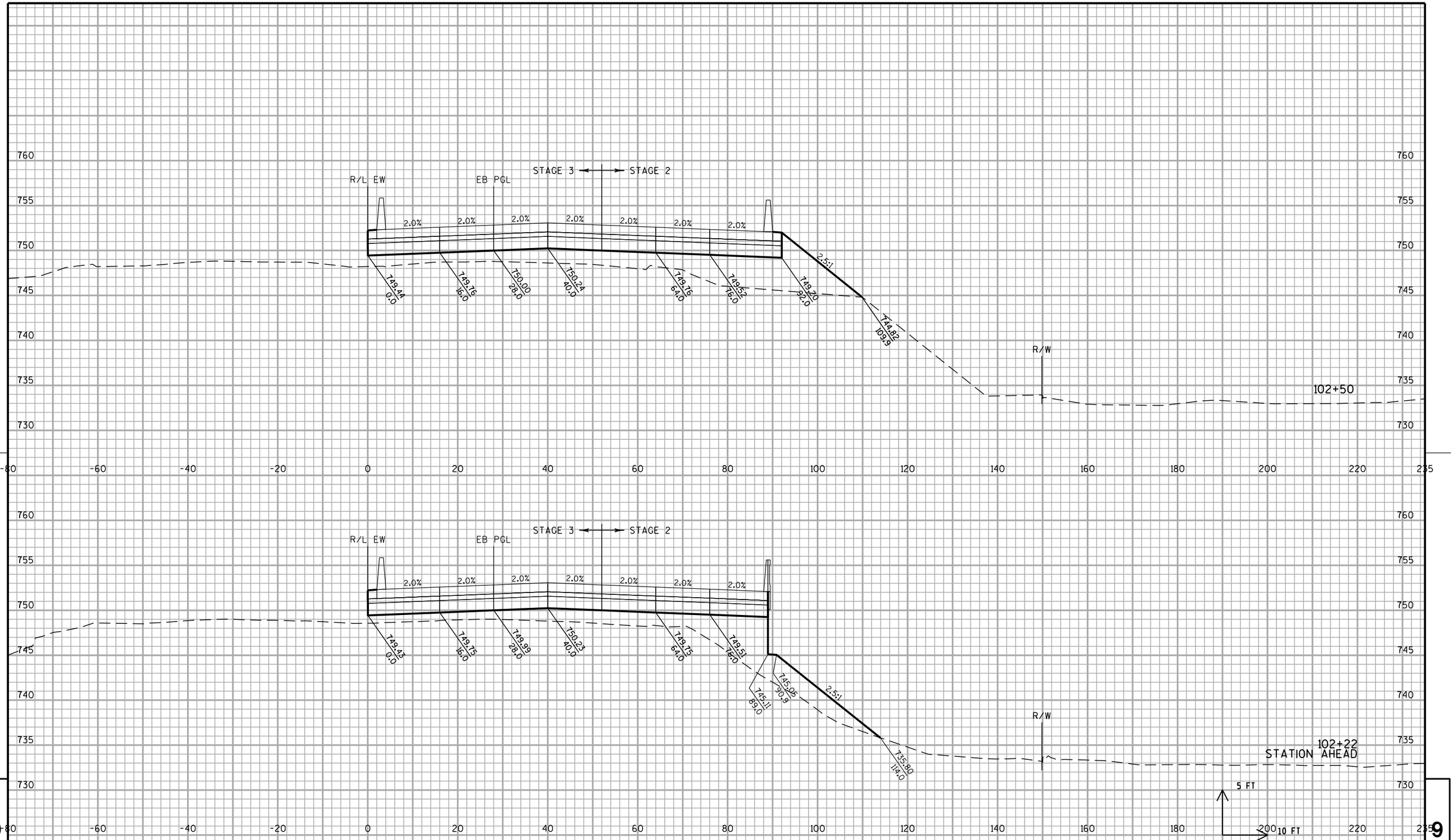
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

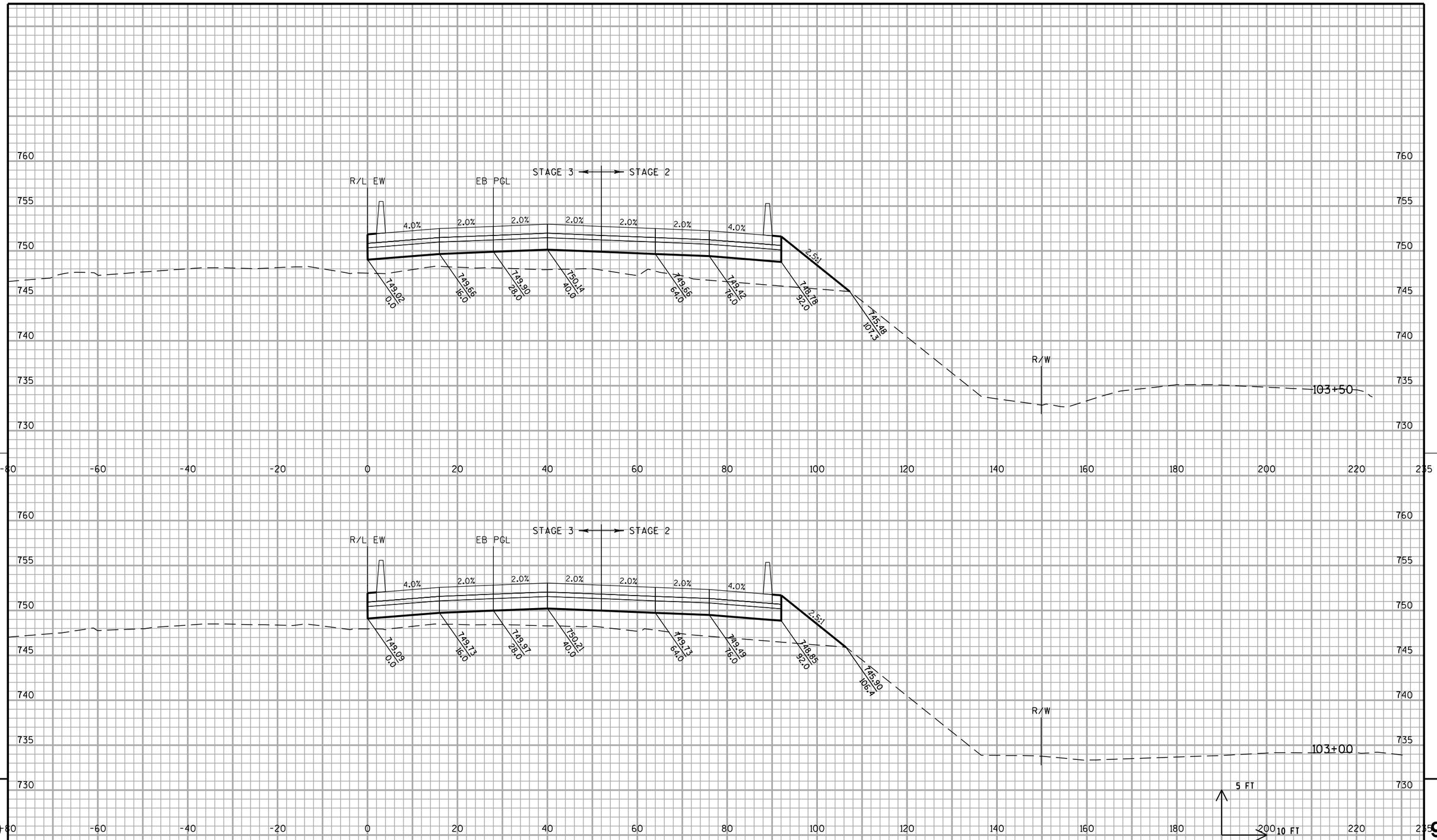


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1

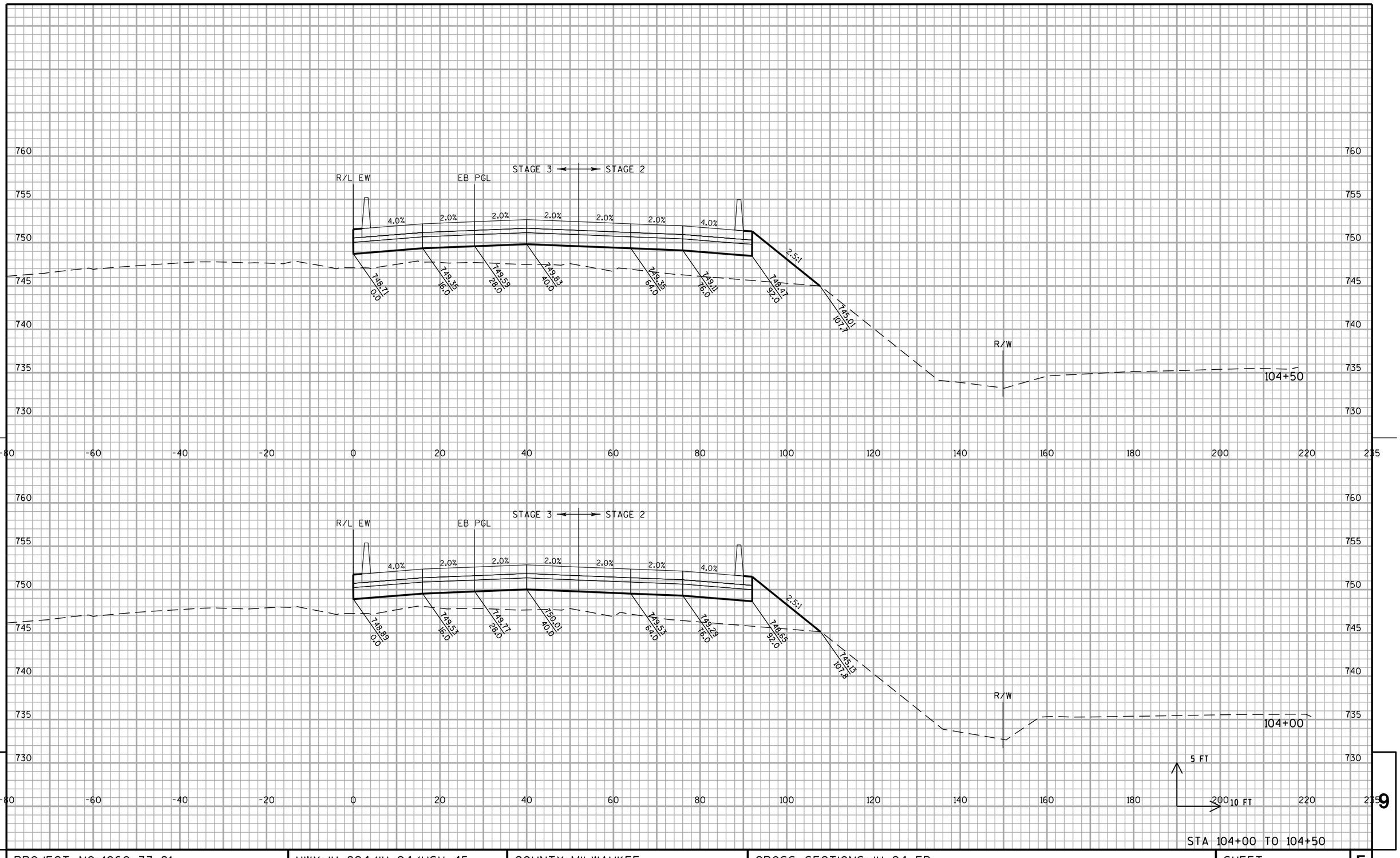


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

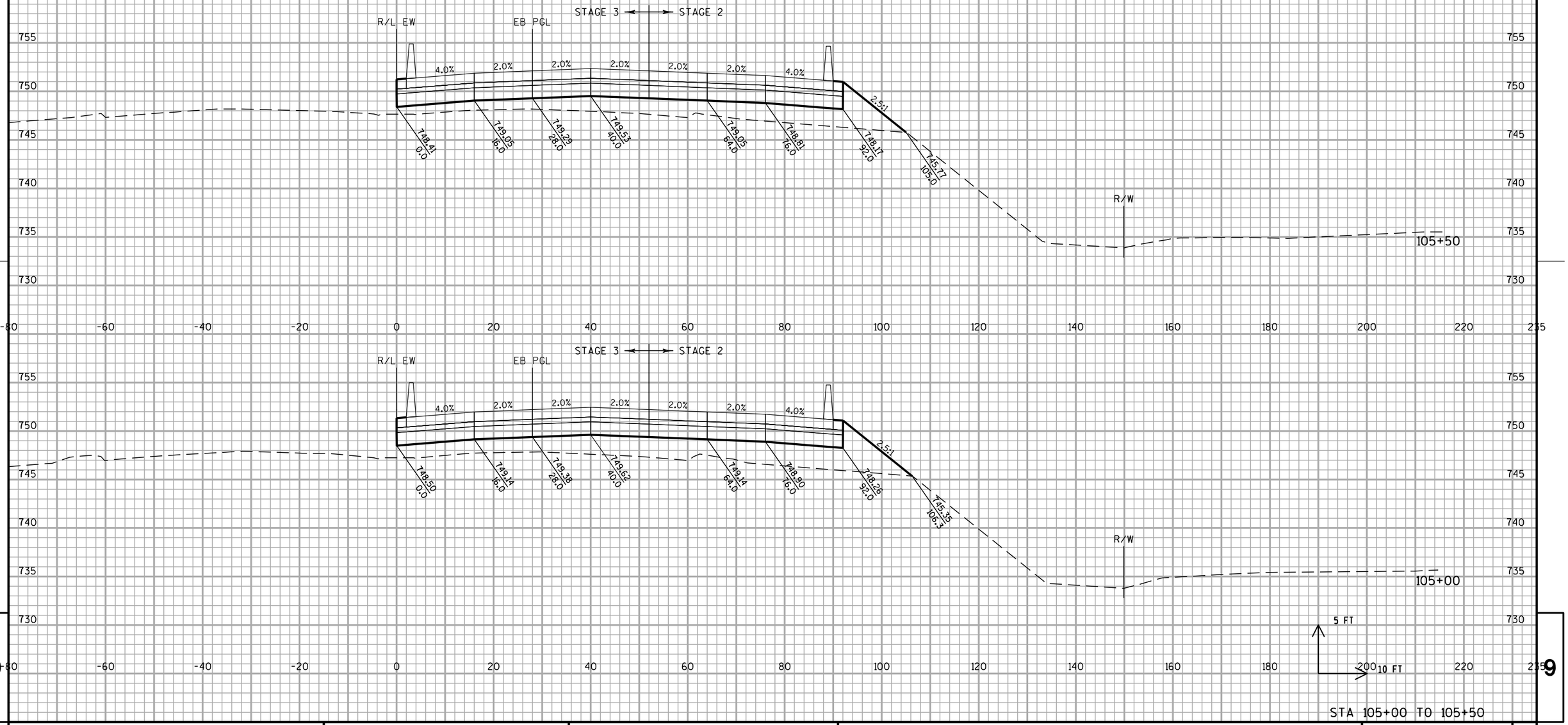


STA 103+00 TO 103+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



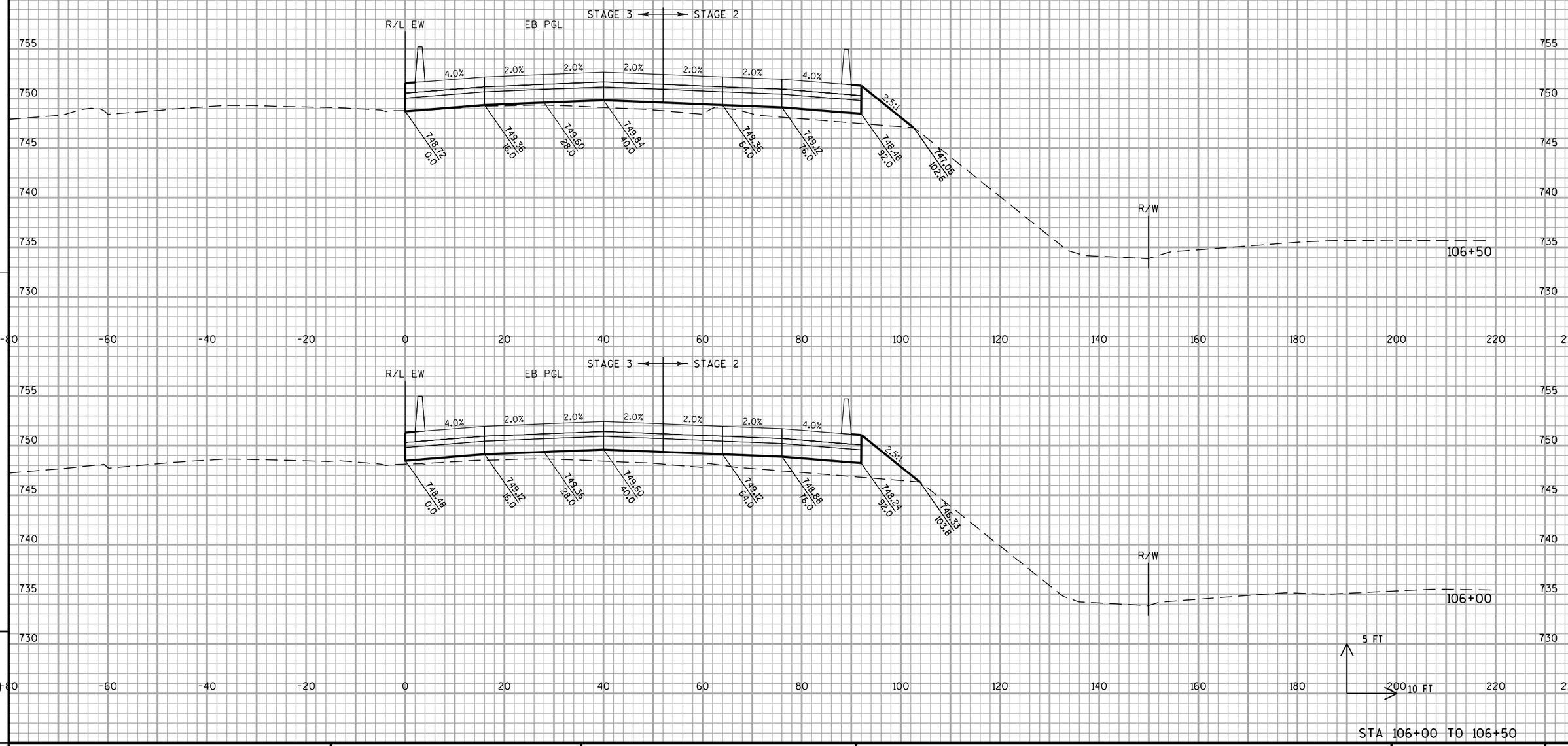
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 105+00 TO 105+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

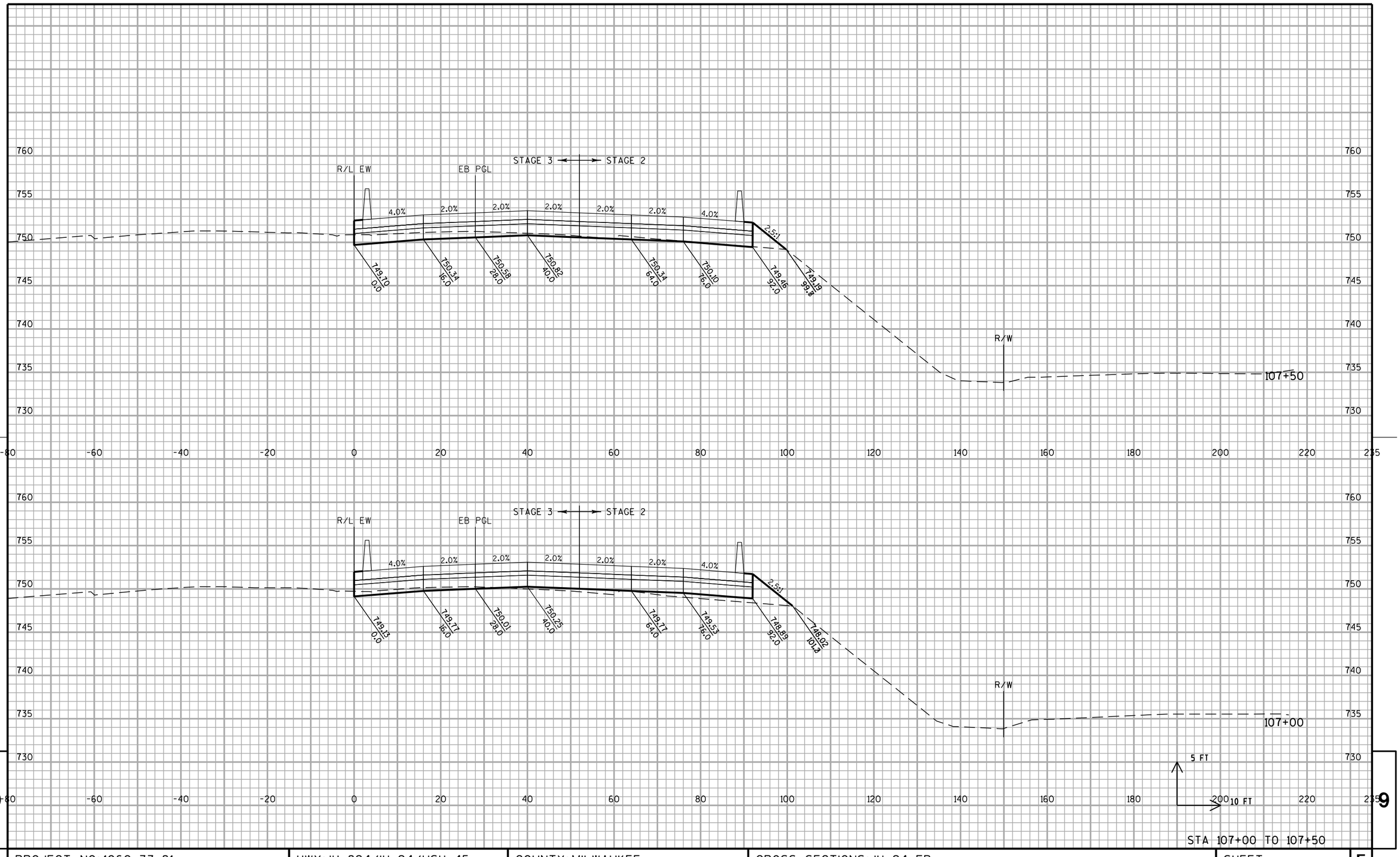
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.PLOT SCALE : 20:1



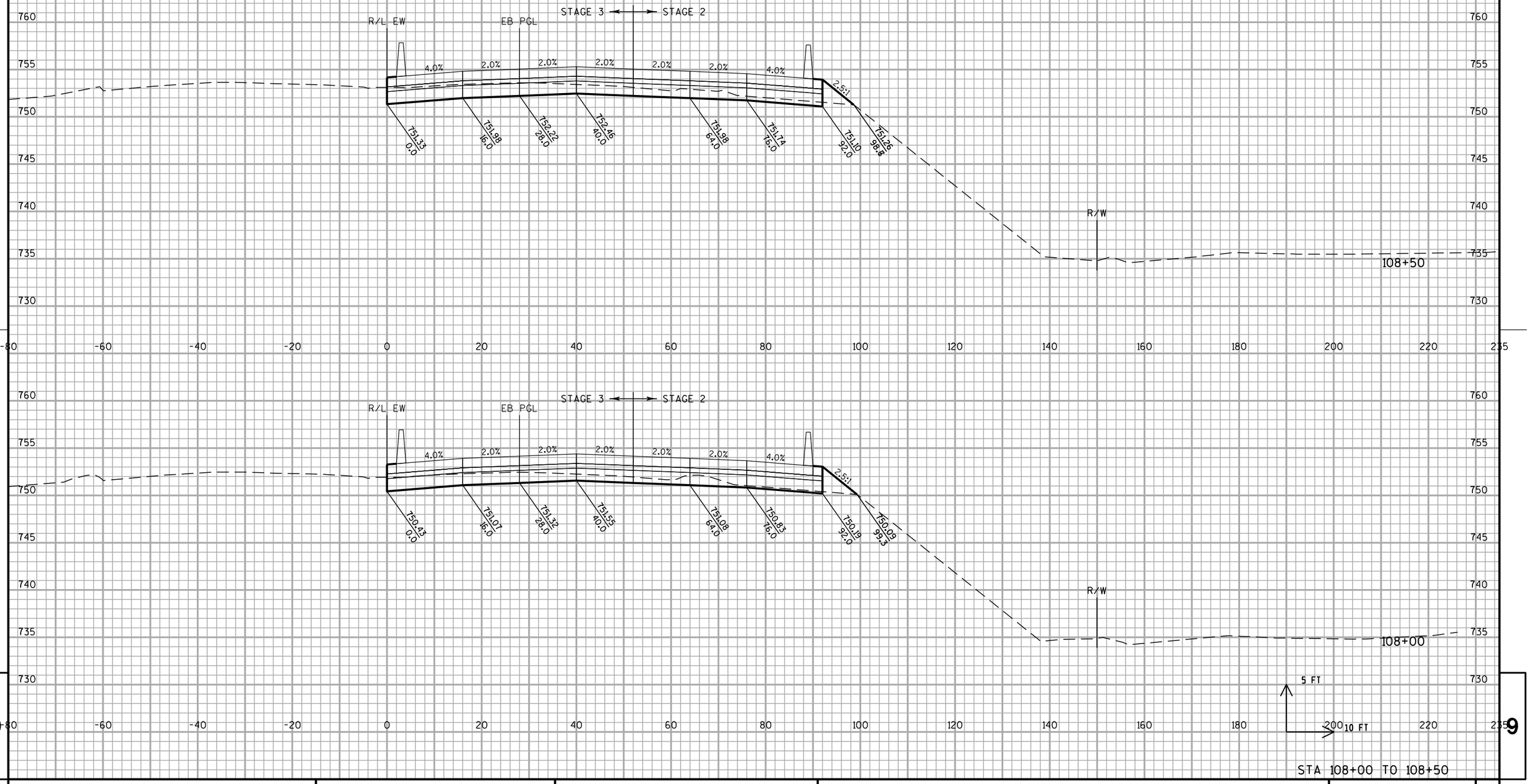
STA 106+00 TO 106+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

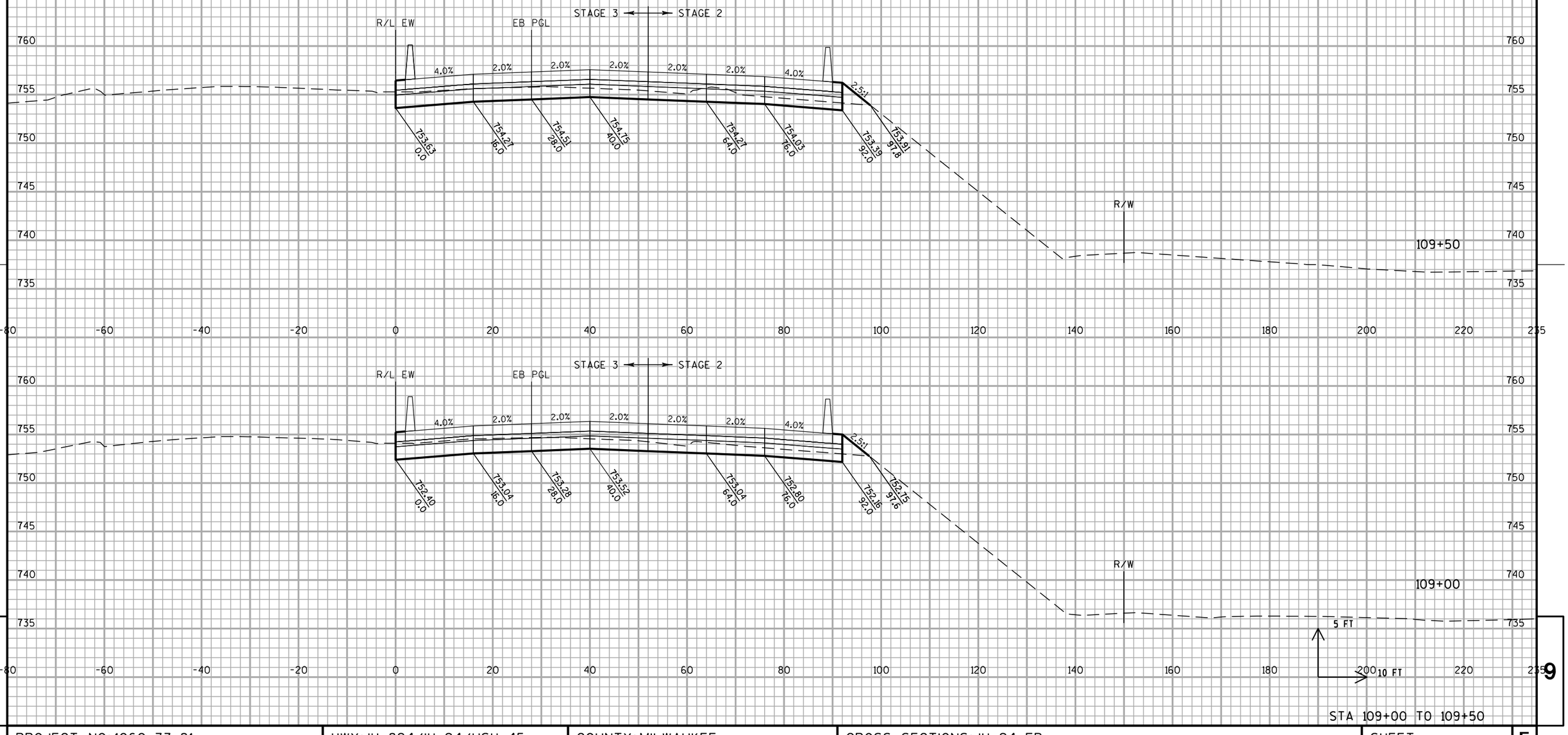


9

9

STA 108+00 TO 108+50

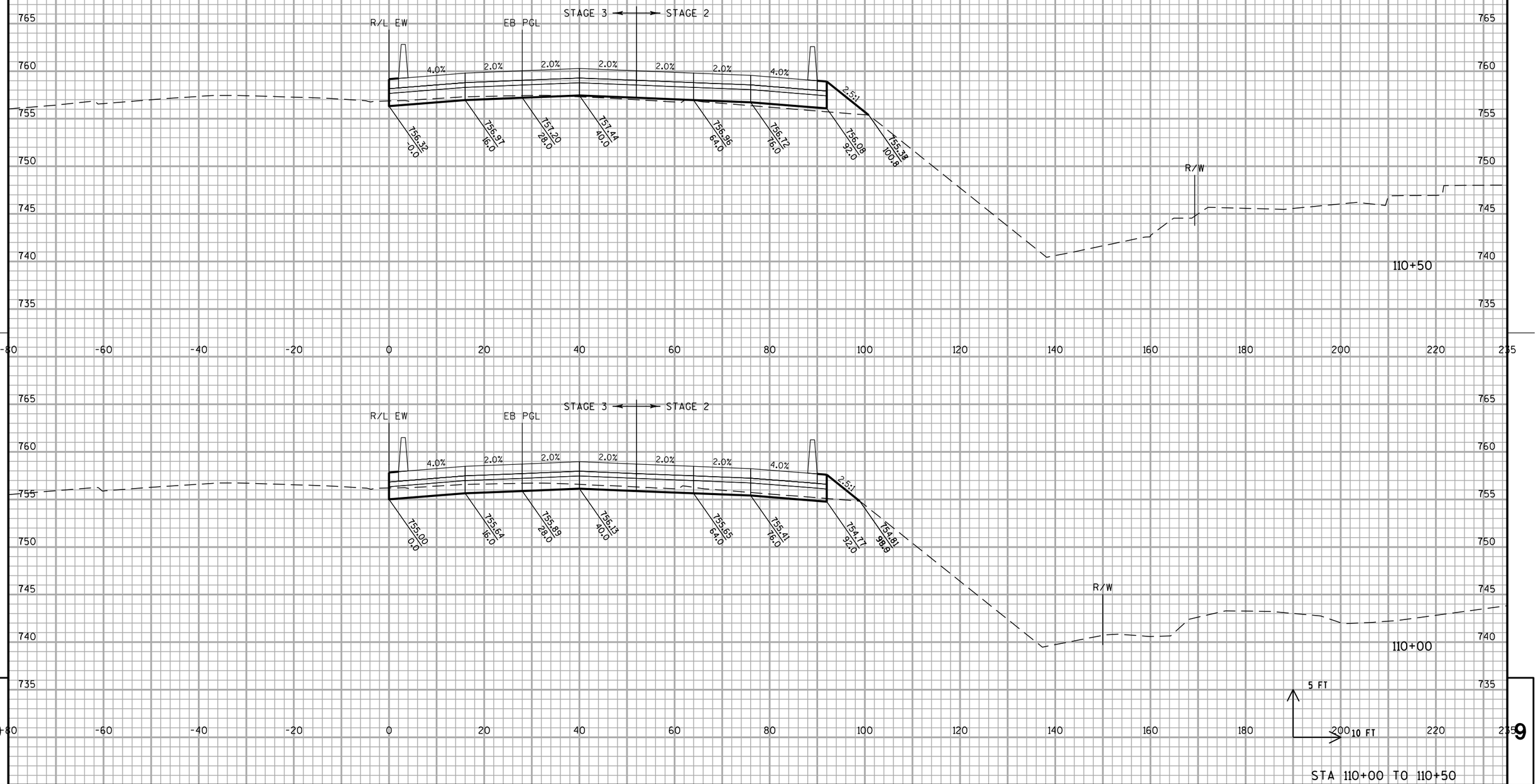
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 109+00 TO 109+50

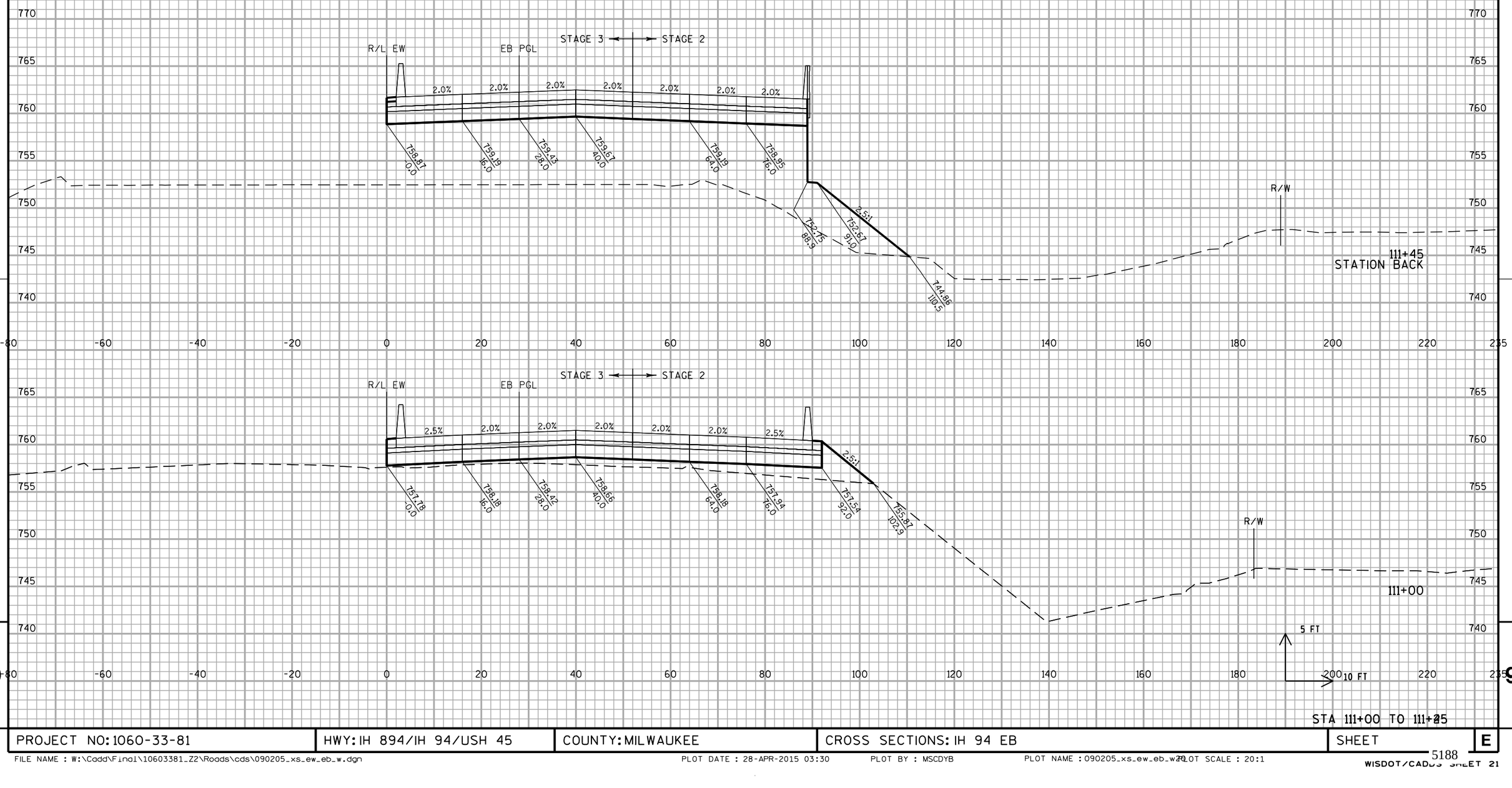
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1



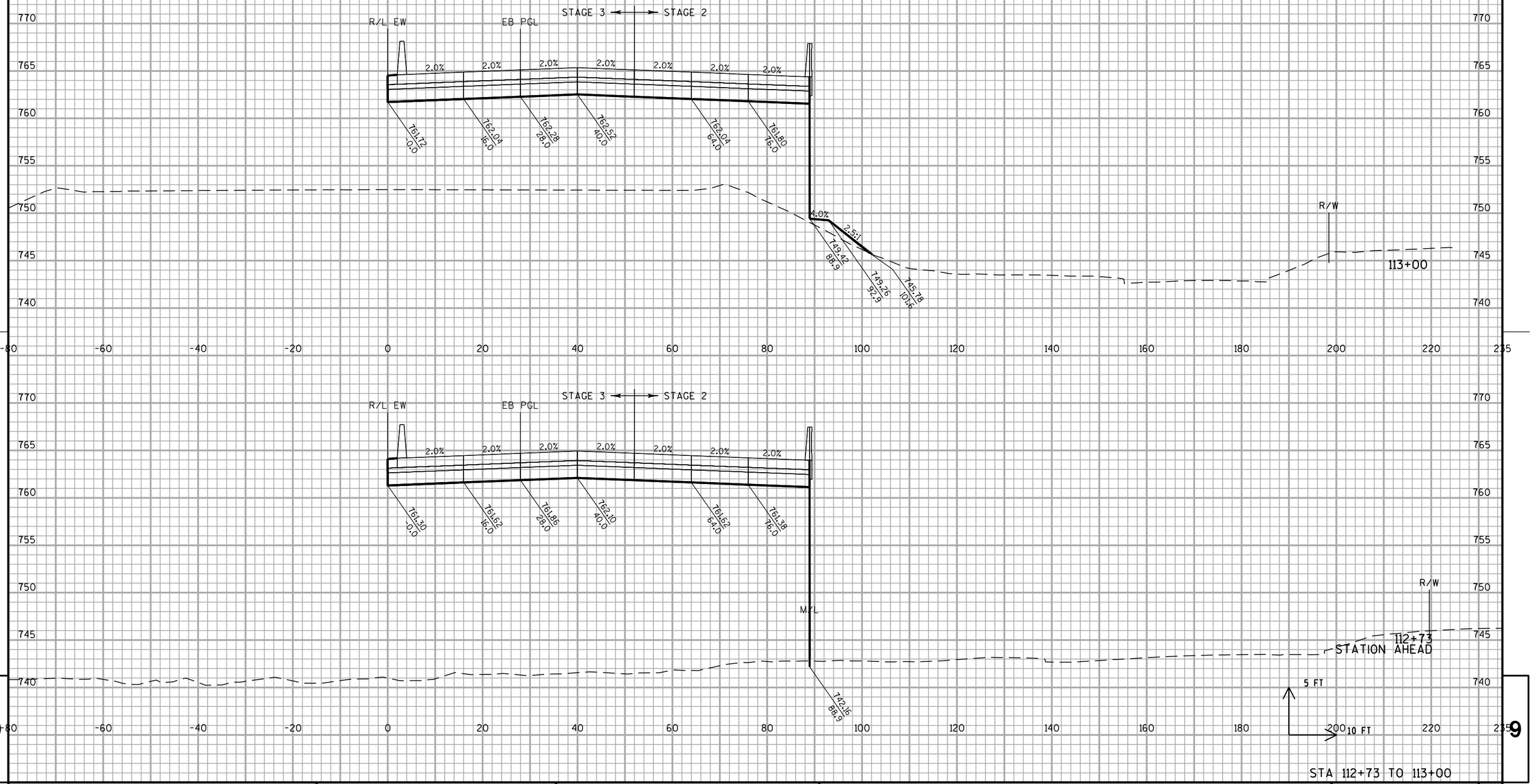
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w1 PLOT SCALE : 20:1

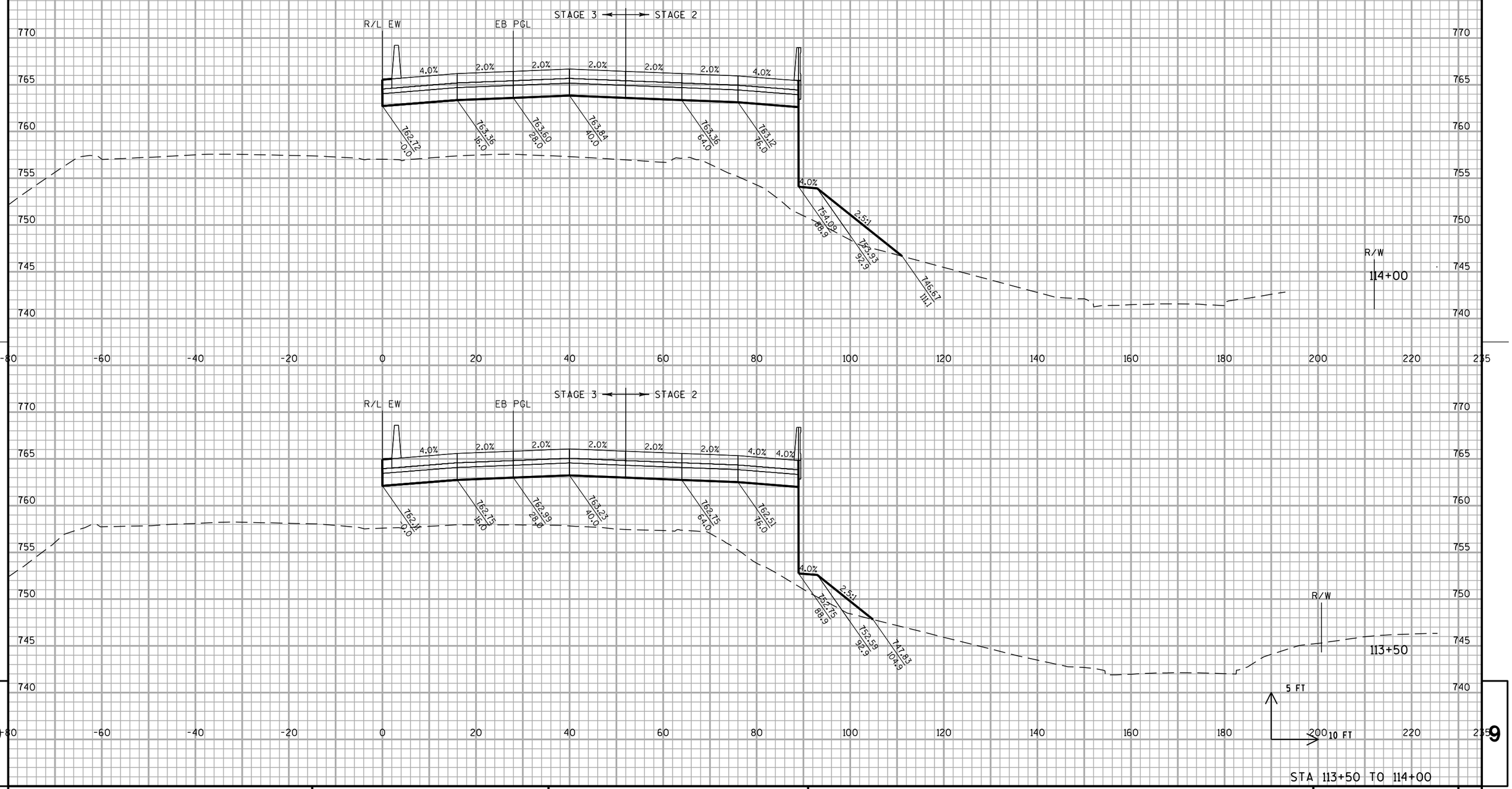


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

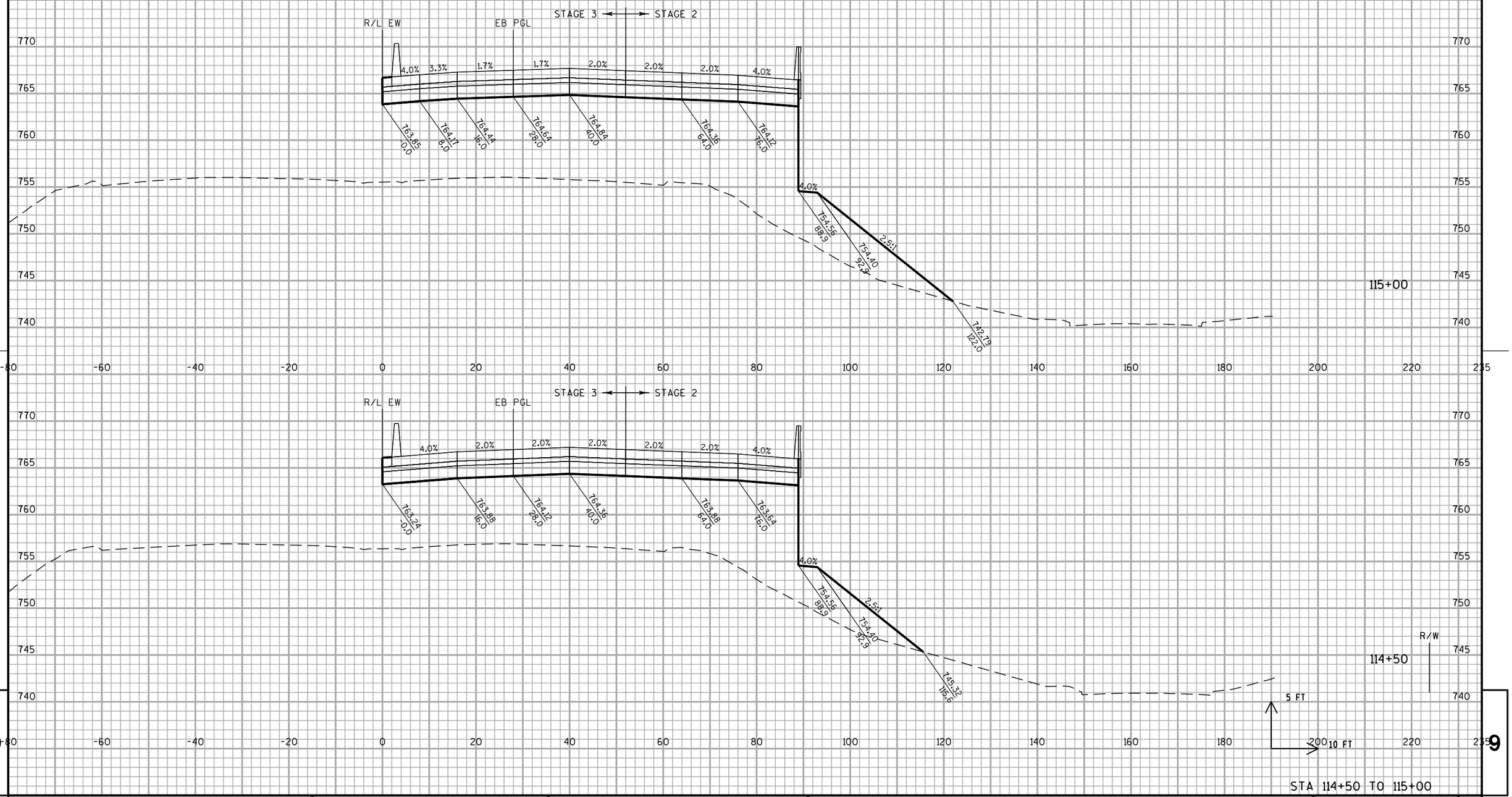


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

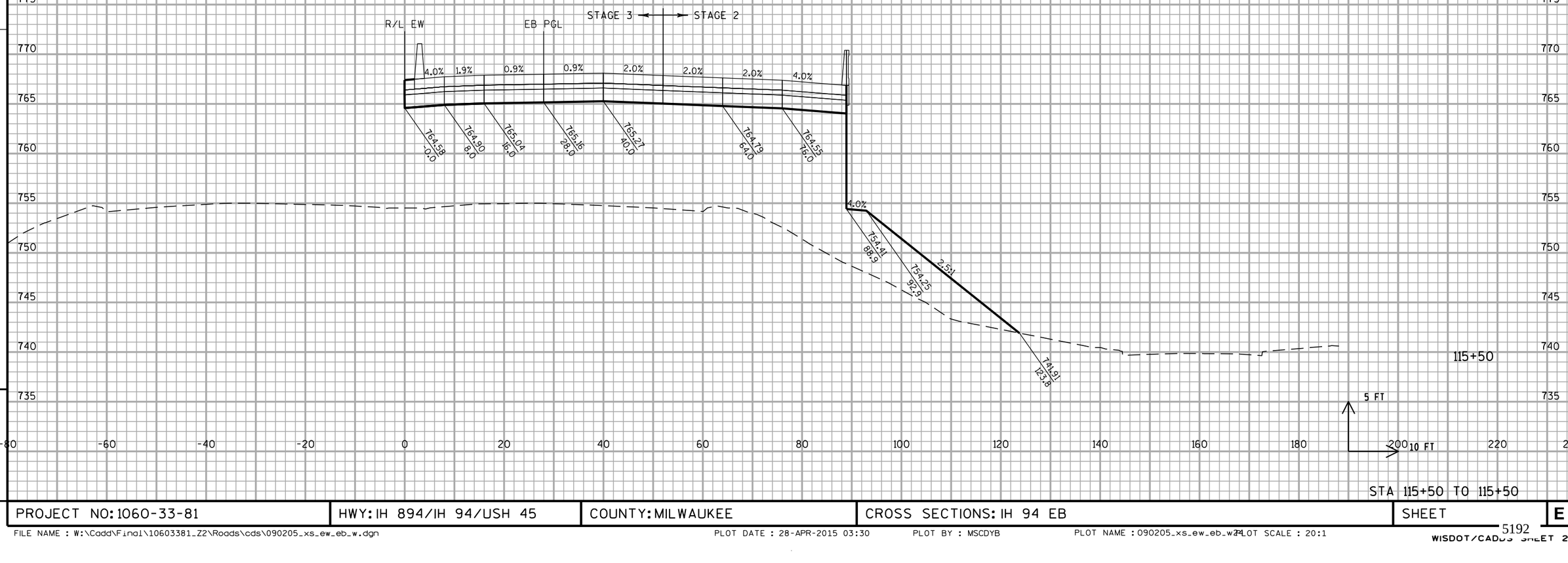


STA 113+50 TO 114+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



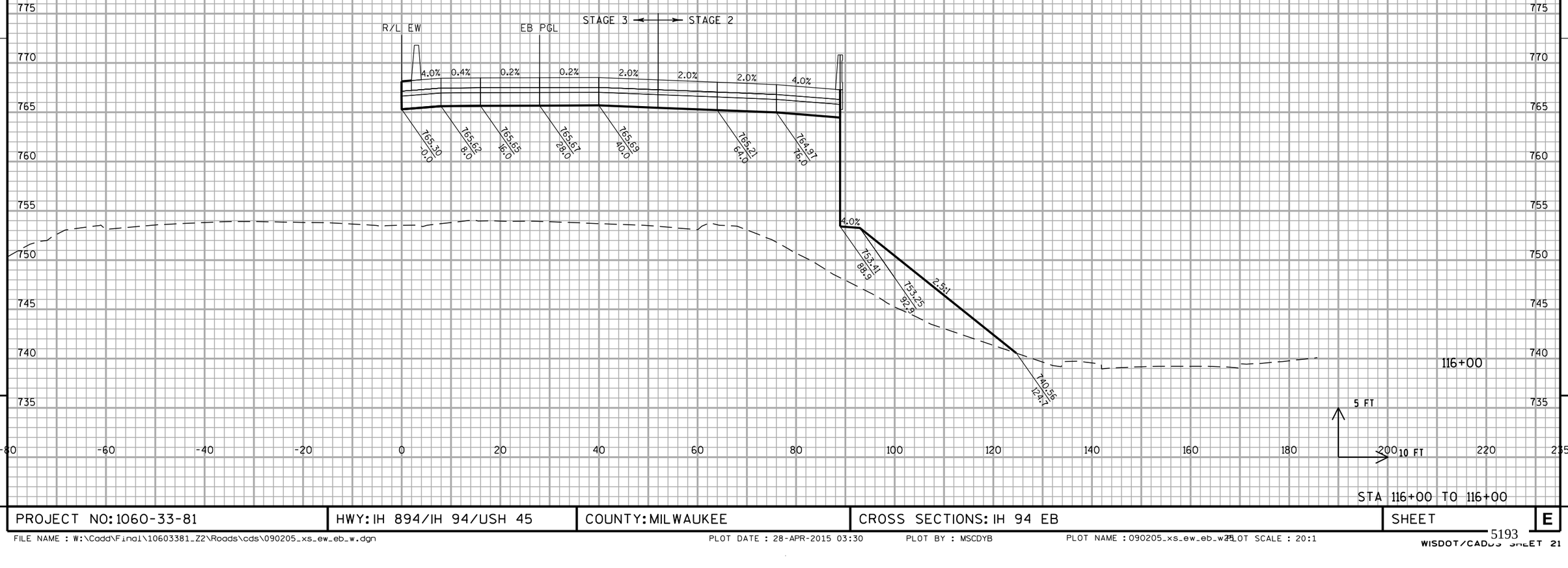
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 115+50 TO 115+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

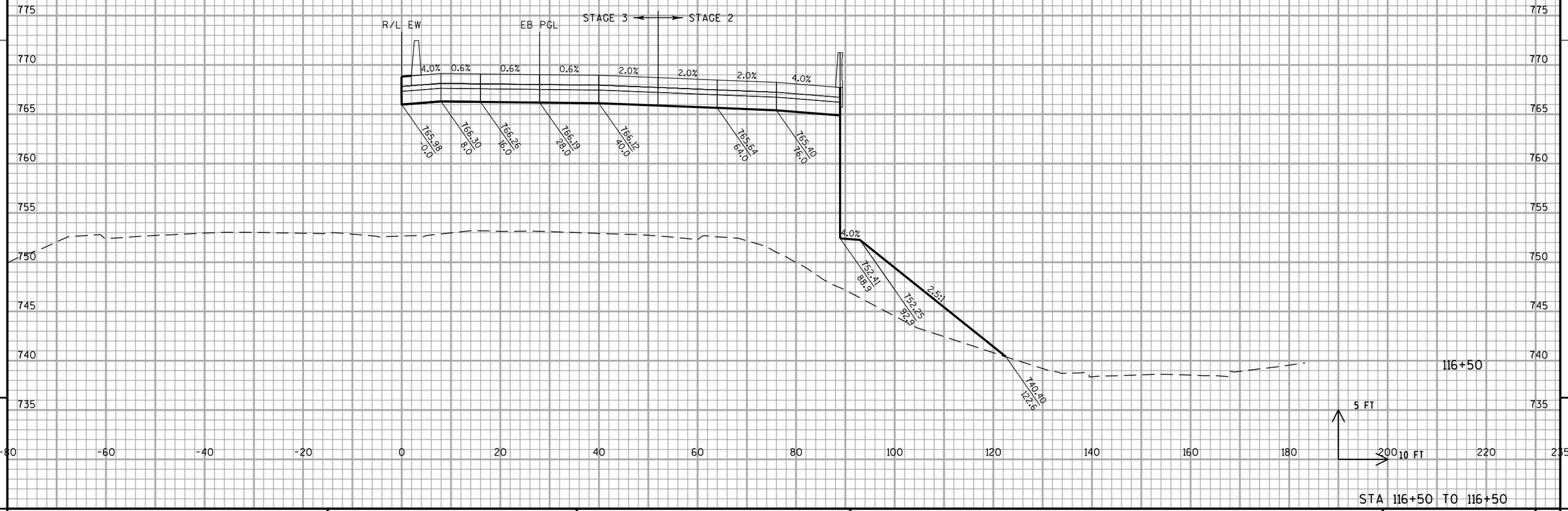
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w2 PLOT SCALE : 20:1



STA 116+00 TO 116+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

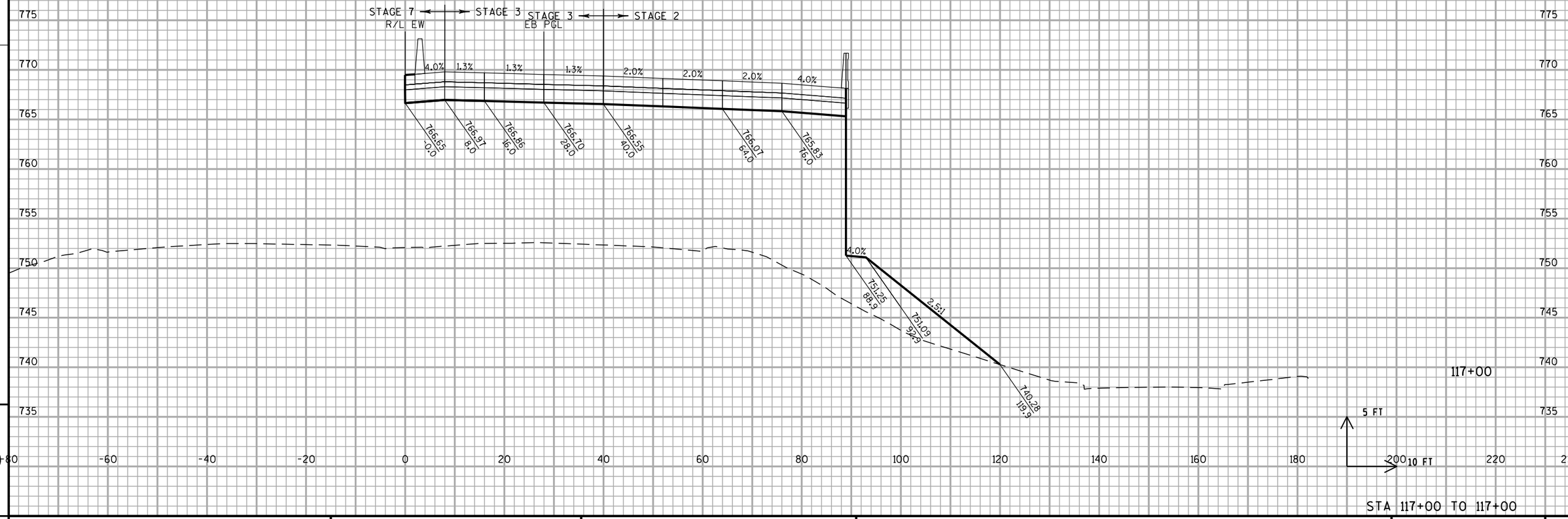
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 116+50 TO 116+50

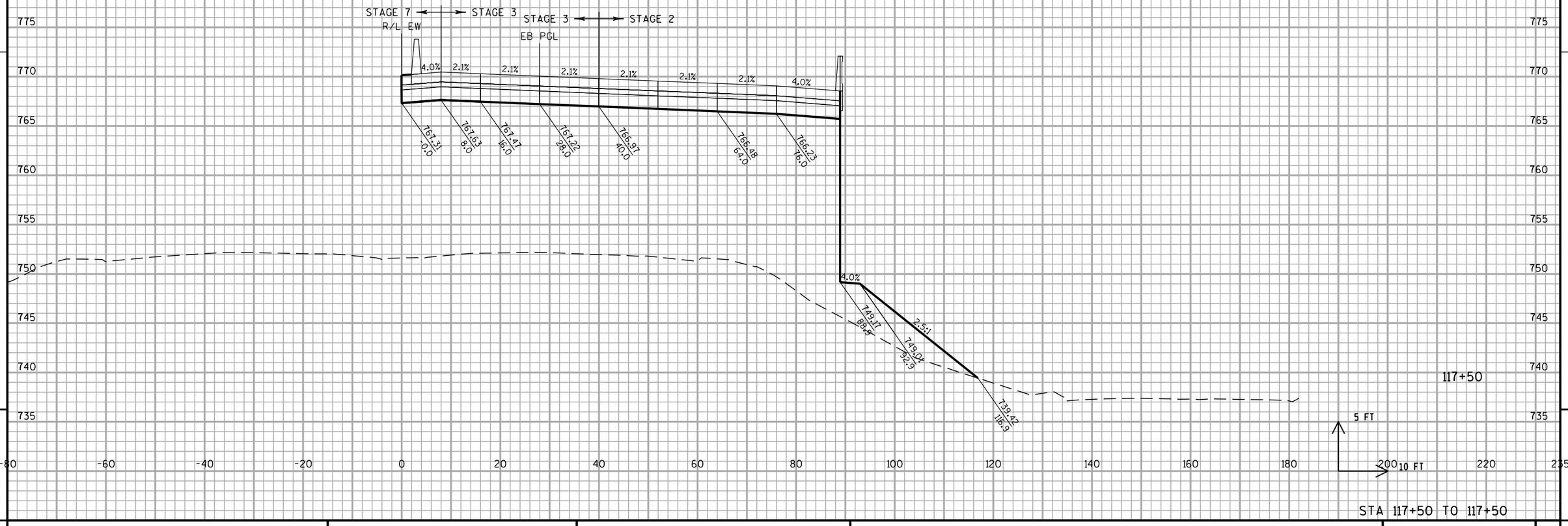
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.pl PLOT SCALE : 20:1



STA 117+00 TO 117+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

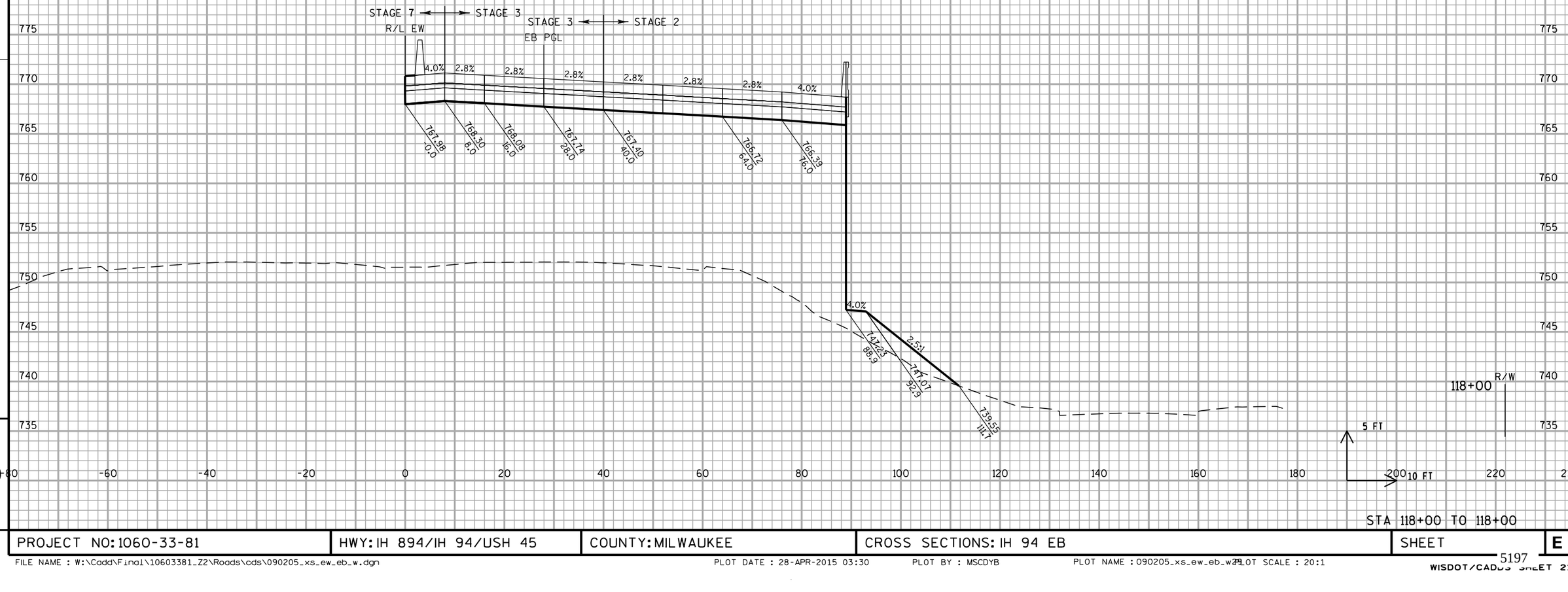


STA 117+50 TO 117+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

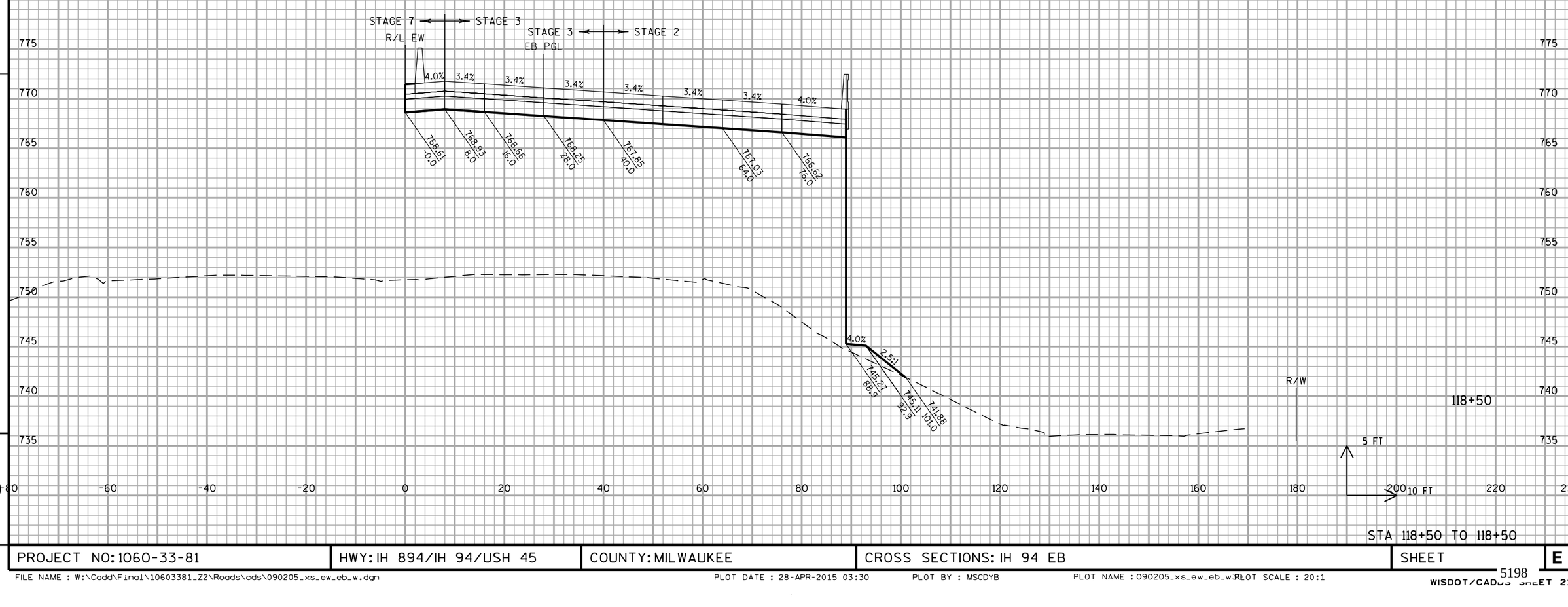
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



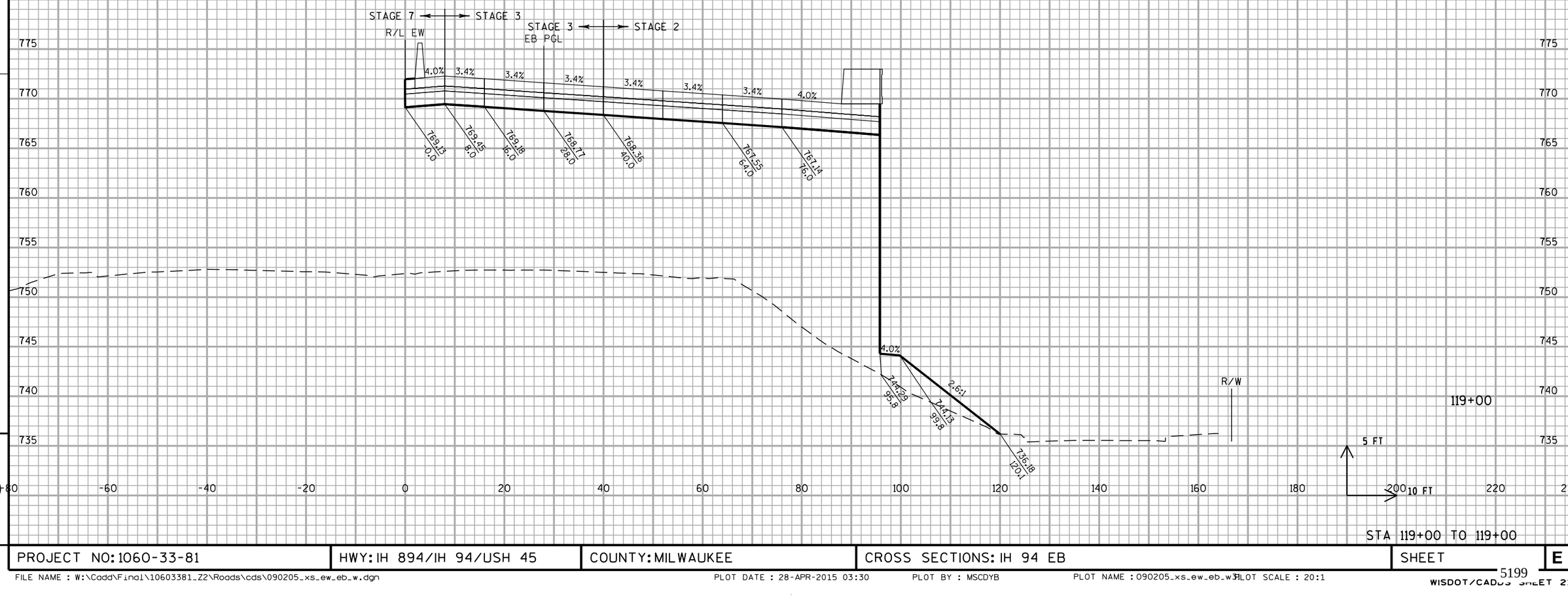
STA 118+00 TO 118+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



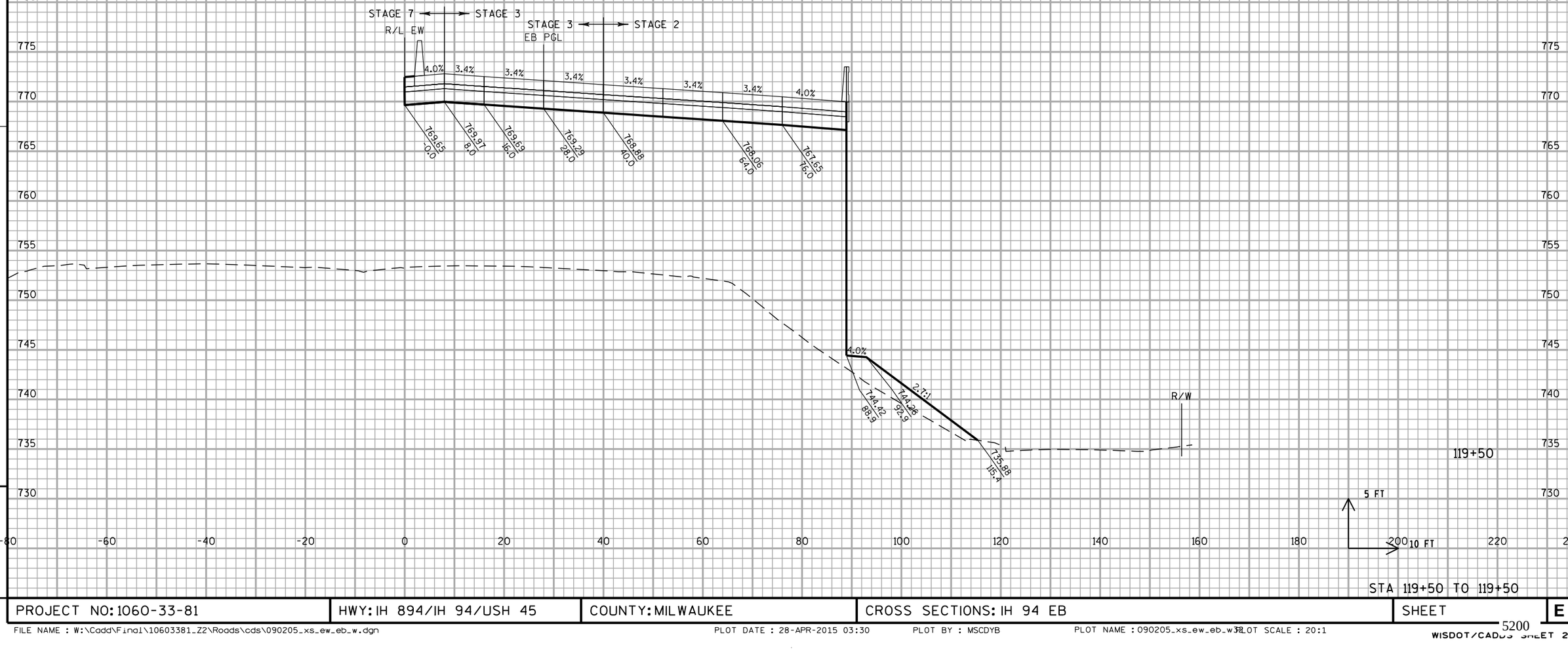
STA 118+50 TO 118+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 119+00 TO 119+00

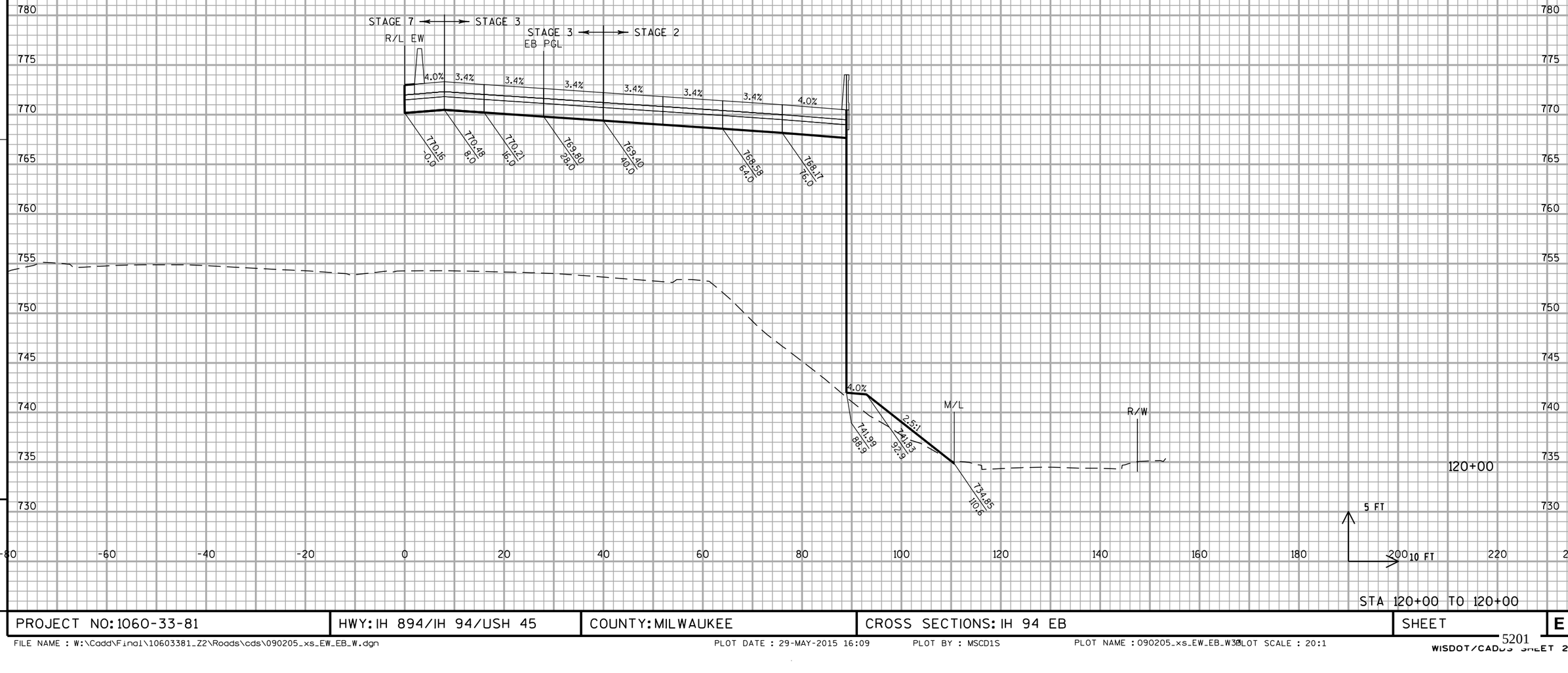
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 119+50 TO 119+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

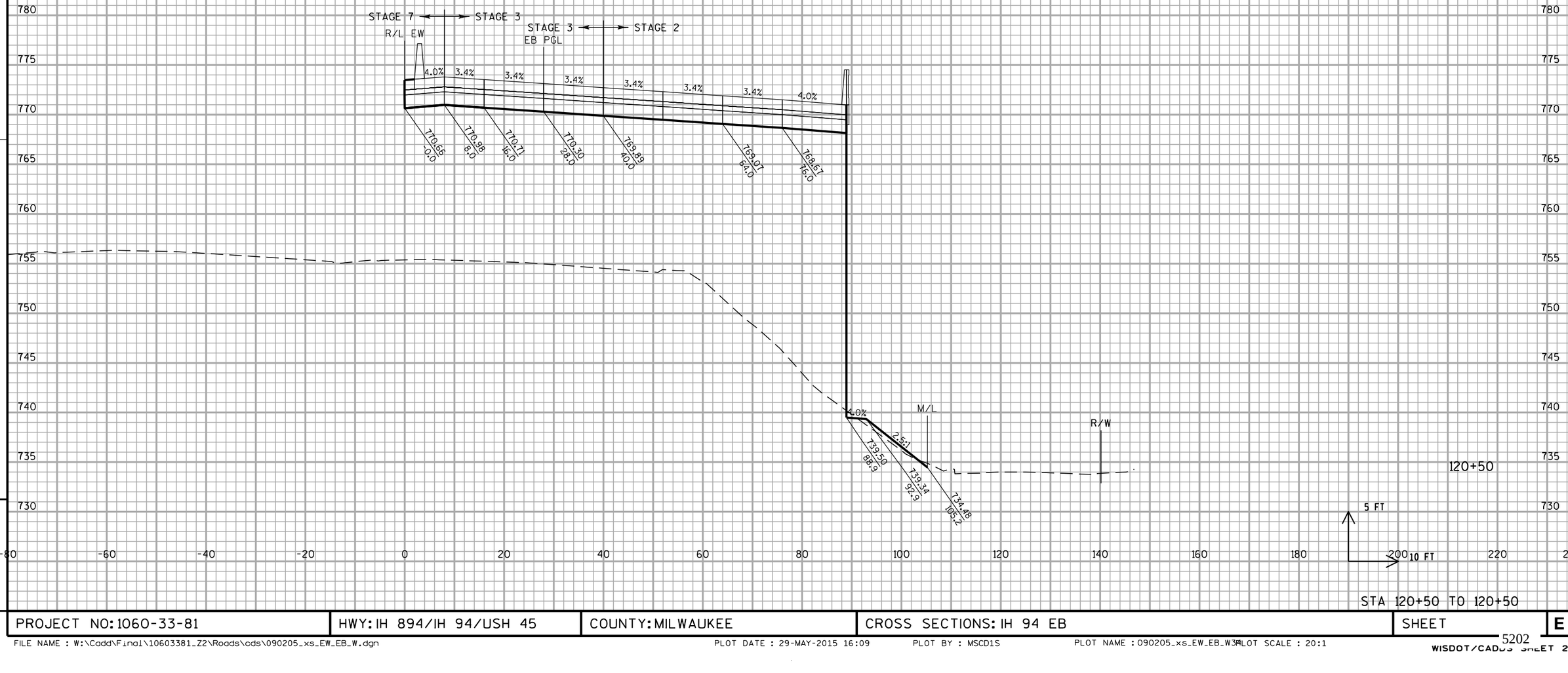
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 120+00 TO 120+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

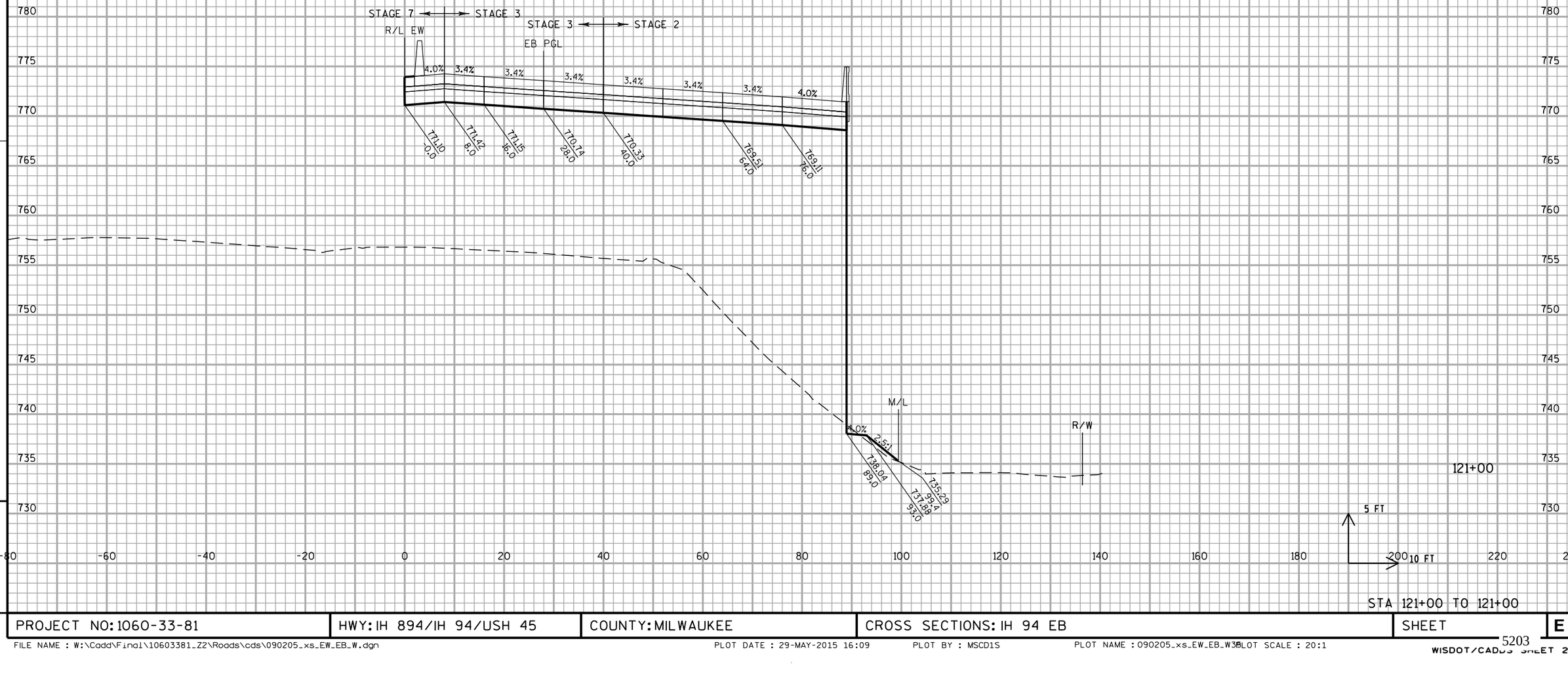
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn
PLOT DATE : 29-MAY-2015 16:09
PLOT BY : MSCD1S
PLOT NAME : 090205_xs_EW_EB_W3
PLOT SCALE : 20:1



STA 120+50 TO 120+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

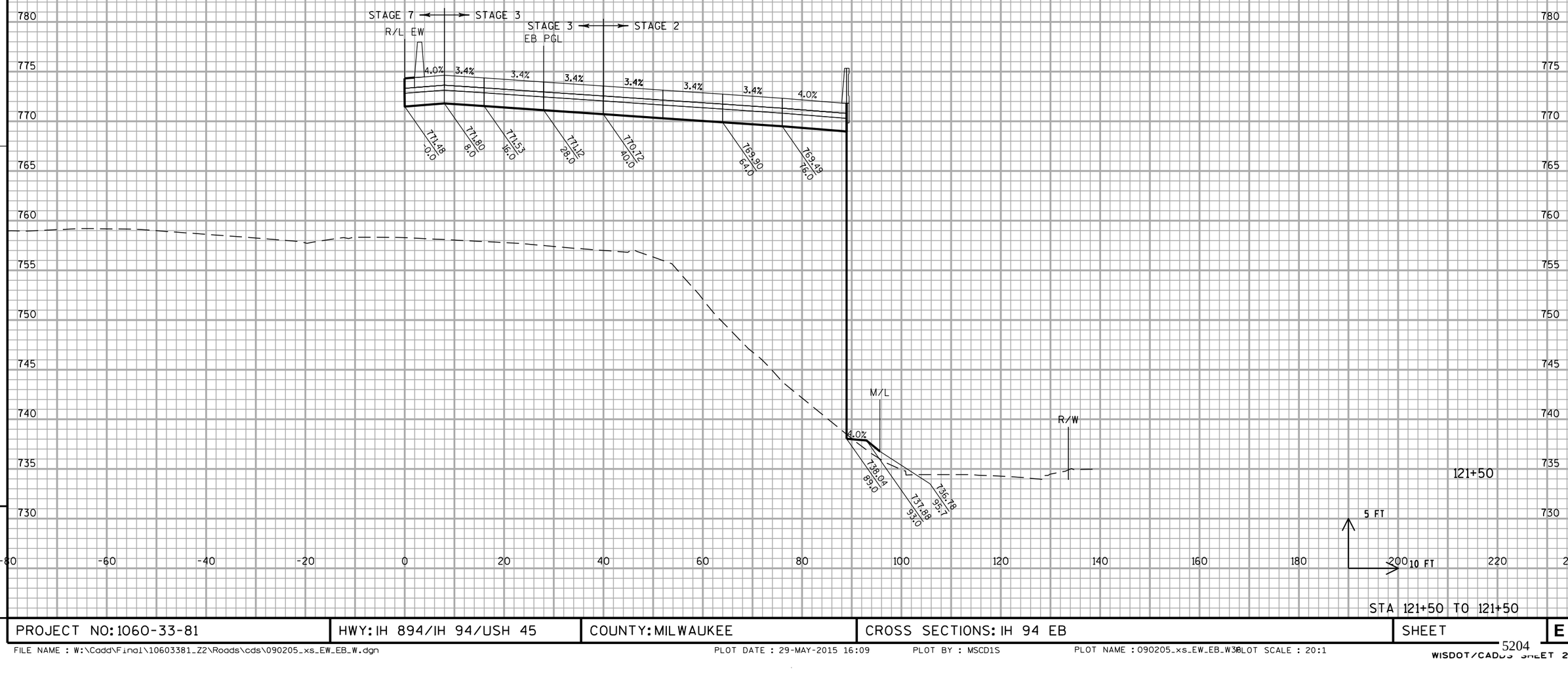
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W3R PLOT SCALE : 20:1



STA 121+00 TO 121+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

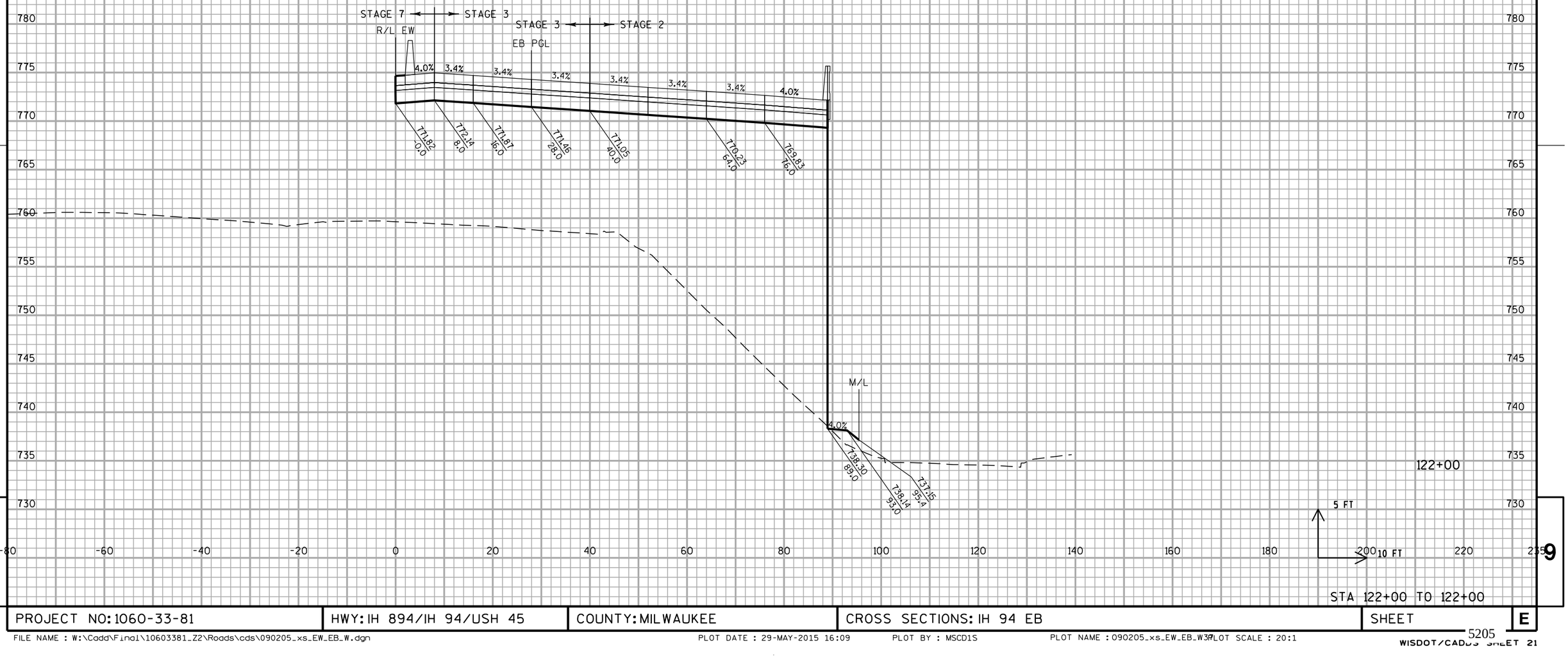
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STA 121+50 TO 121+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

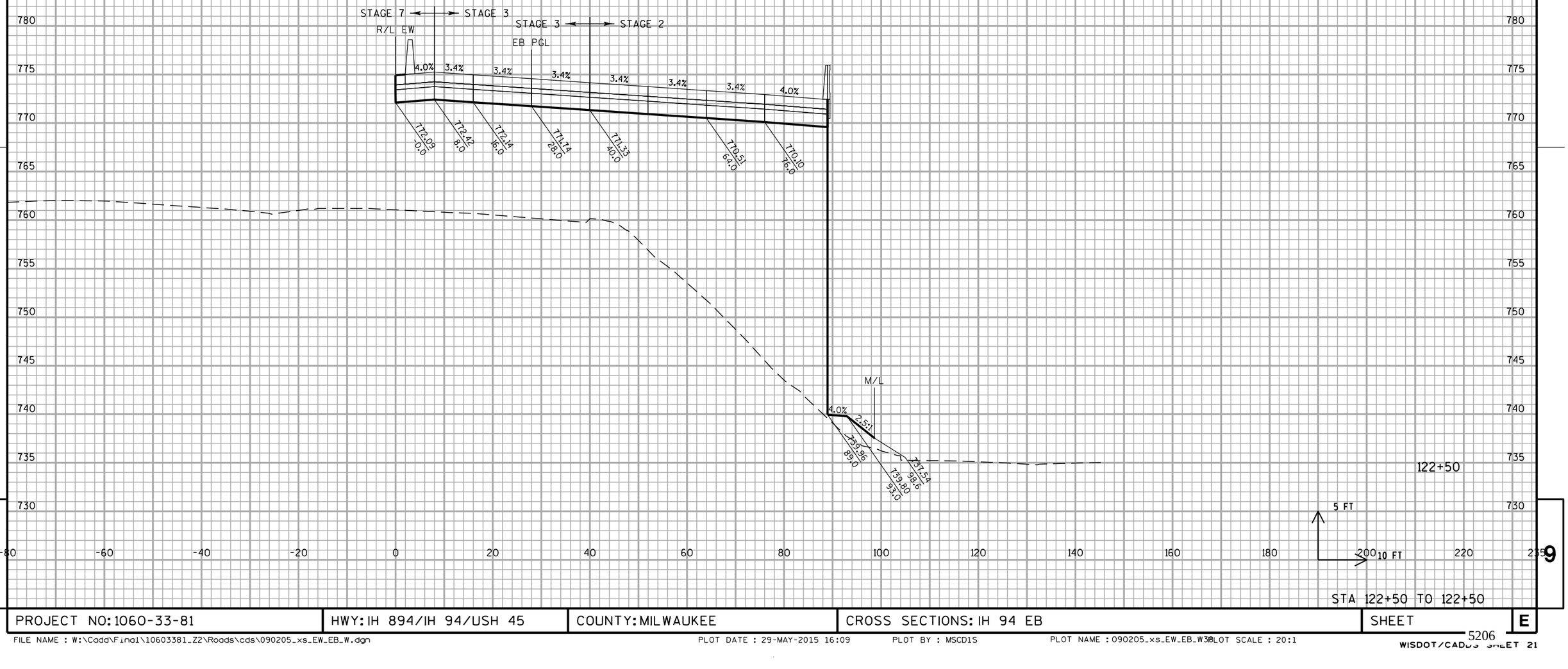
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W3B PLOT SCALE : 20:1



STA 122+00 TO 122+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W3 PLOT SCALE : 20:1



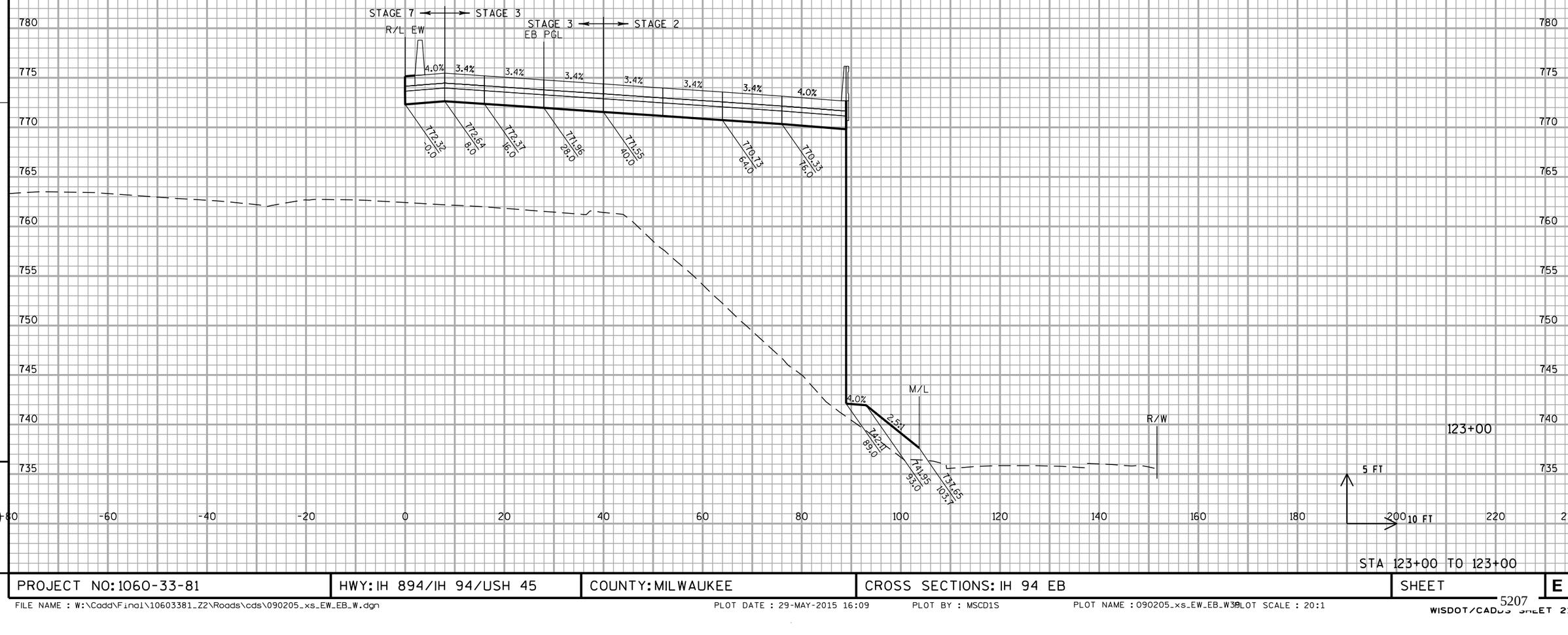
9

9

STA 122+50 TO 122+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

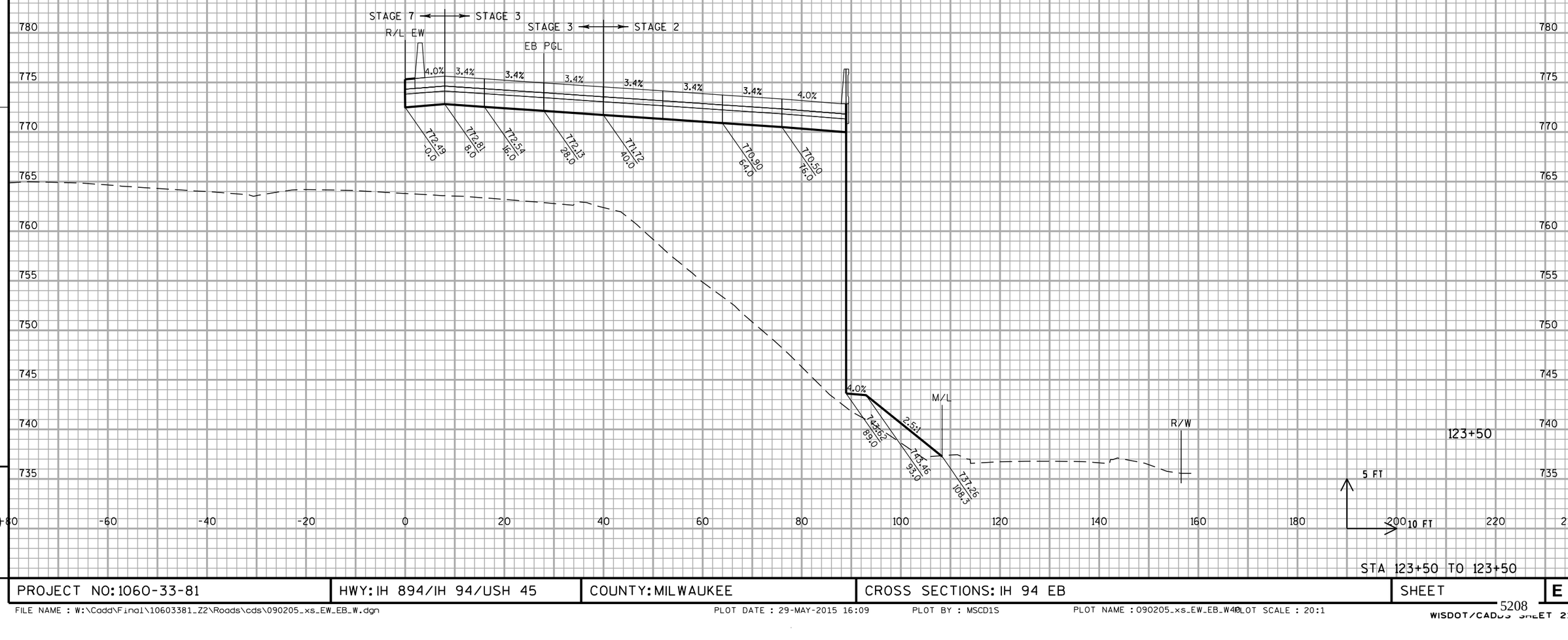
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W38 PLOT SCALE : 20:1



STA 123+00 TO 123+00

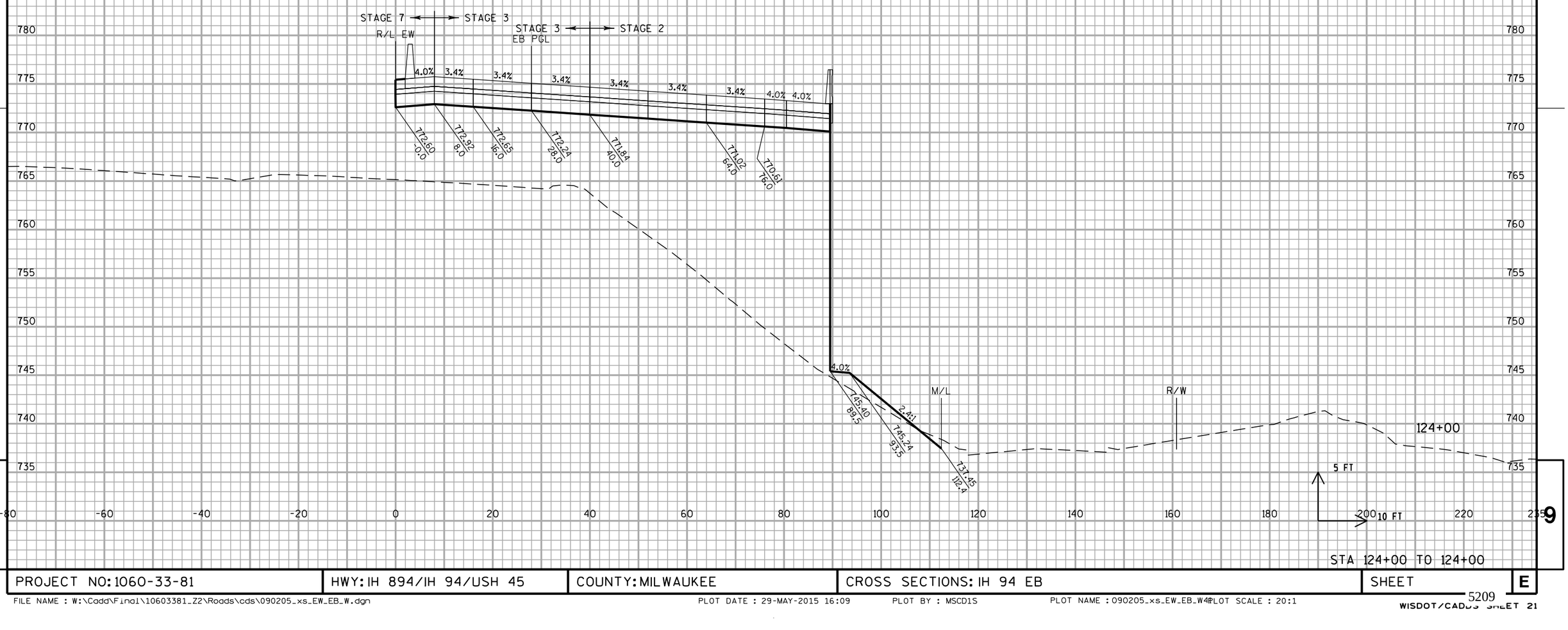
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W3P PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 123+50 TO 123+50

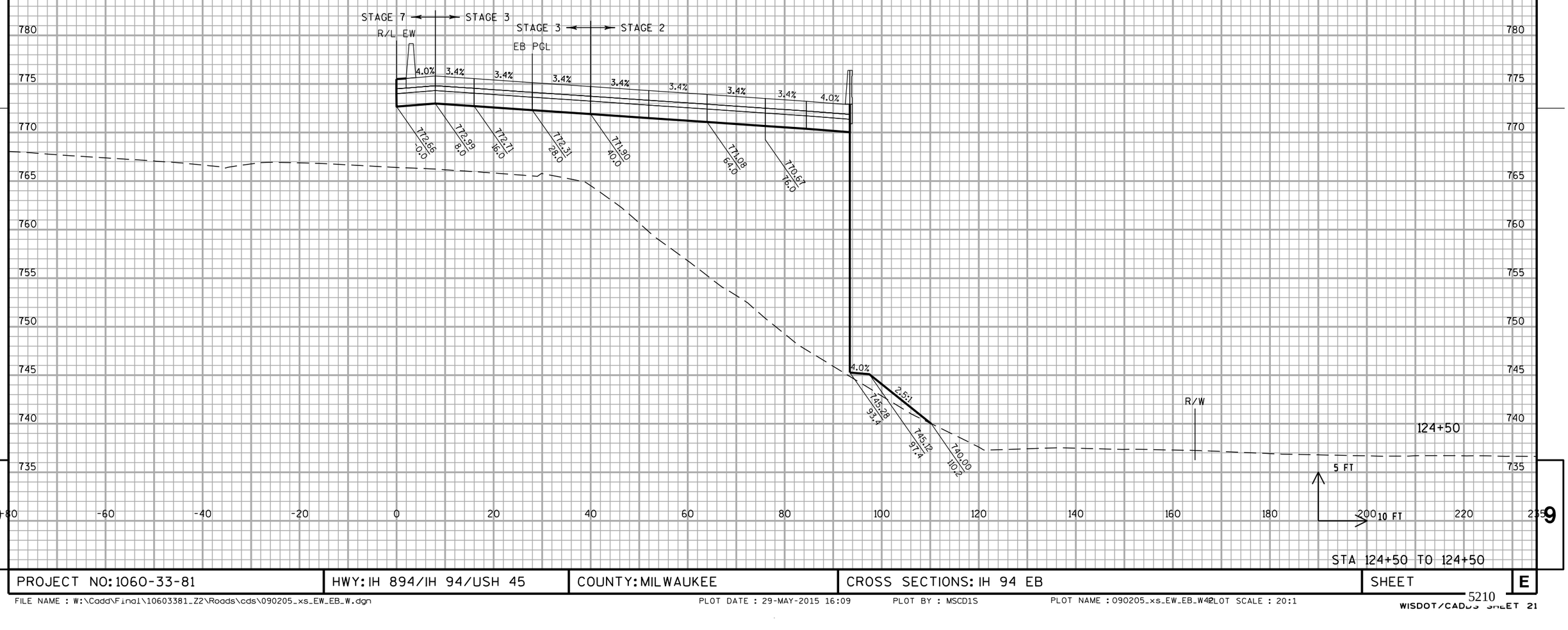


9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 124+00 TO 124+00

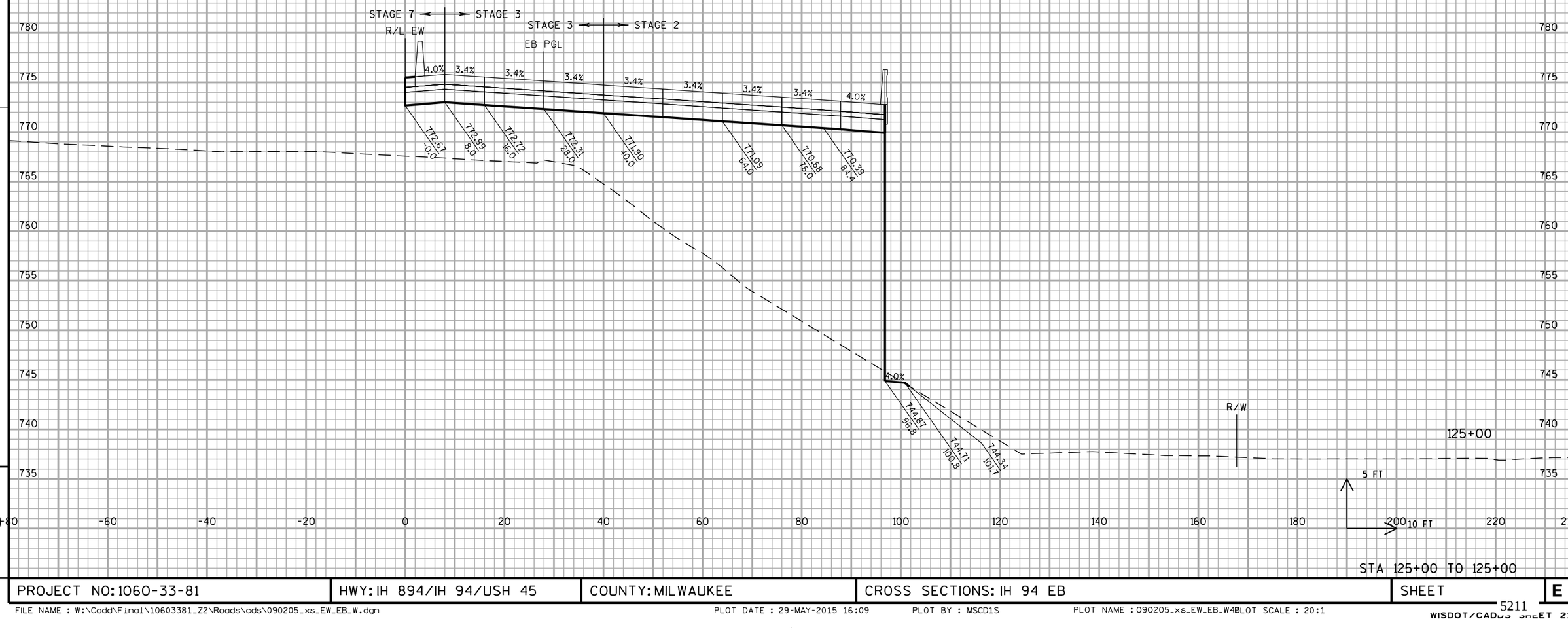
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W4 PLOT SCALE : 20:1



STA 124+50 TO 124+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

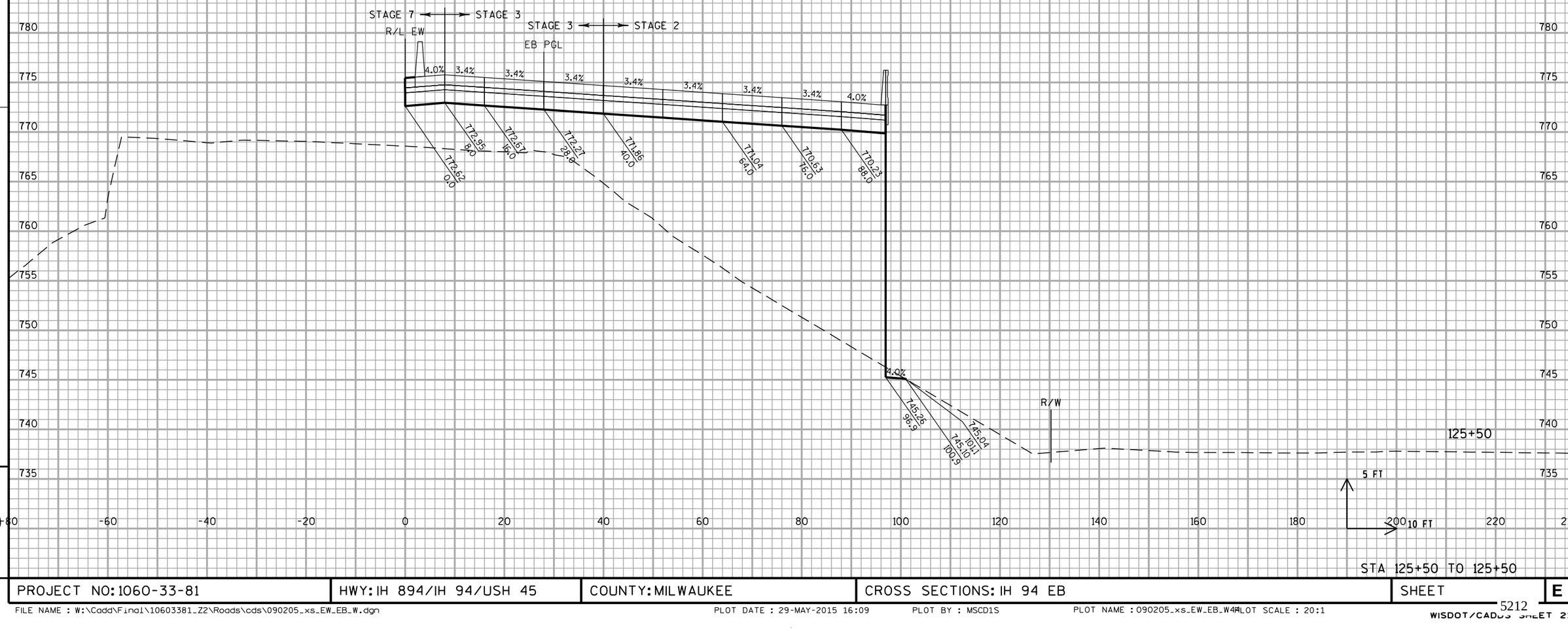
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W42 PLOT SCALE : 20:1



STA 125+00 TO 125+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

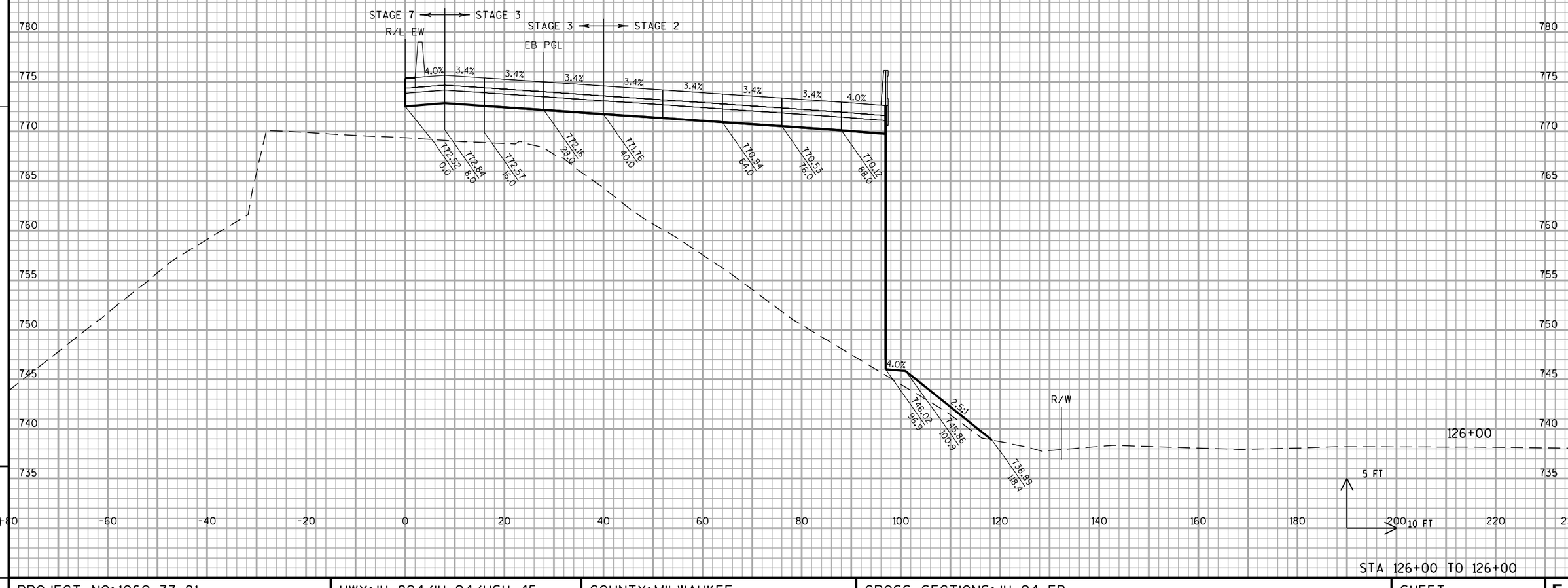
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn
PLOT DATE : 29-MAY-2015 16:09
PLOT BY : MSCD1S
PLOT NAME : 090205_xs_EW_EB_W45
PLOT SCALE : 20:1



STA 125+50 TO 125+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

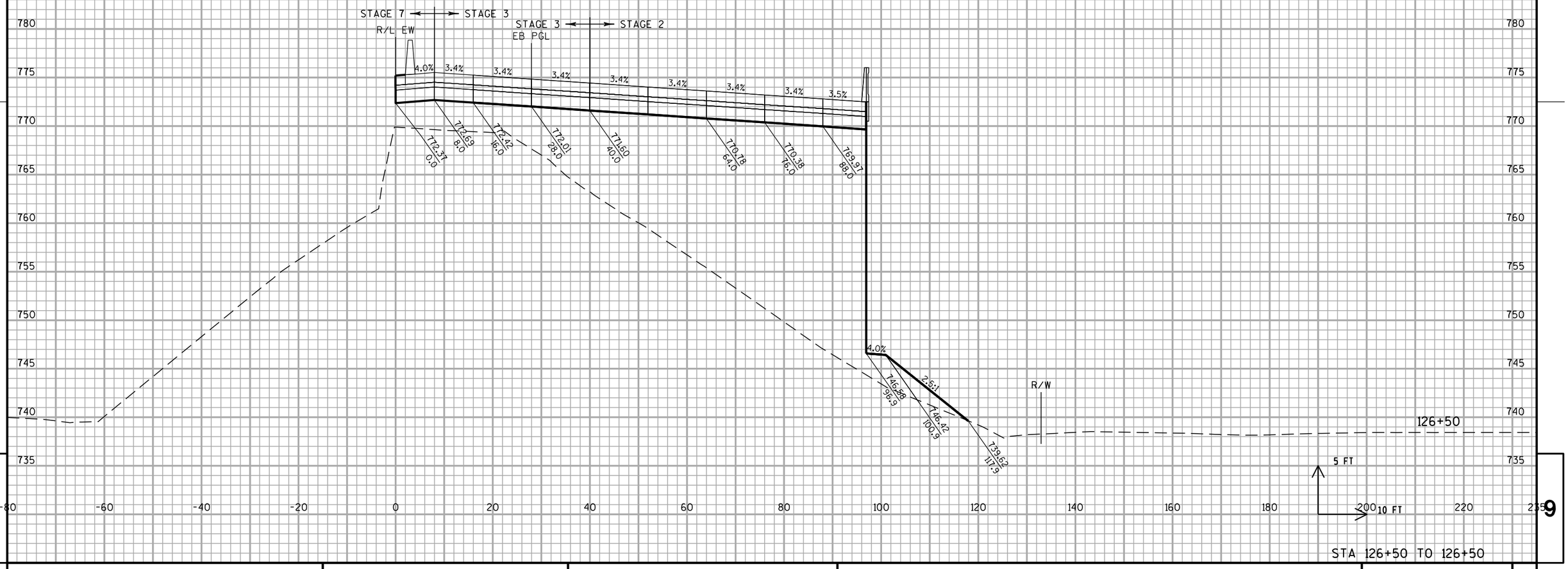
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W4P PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

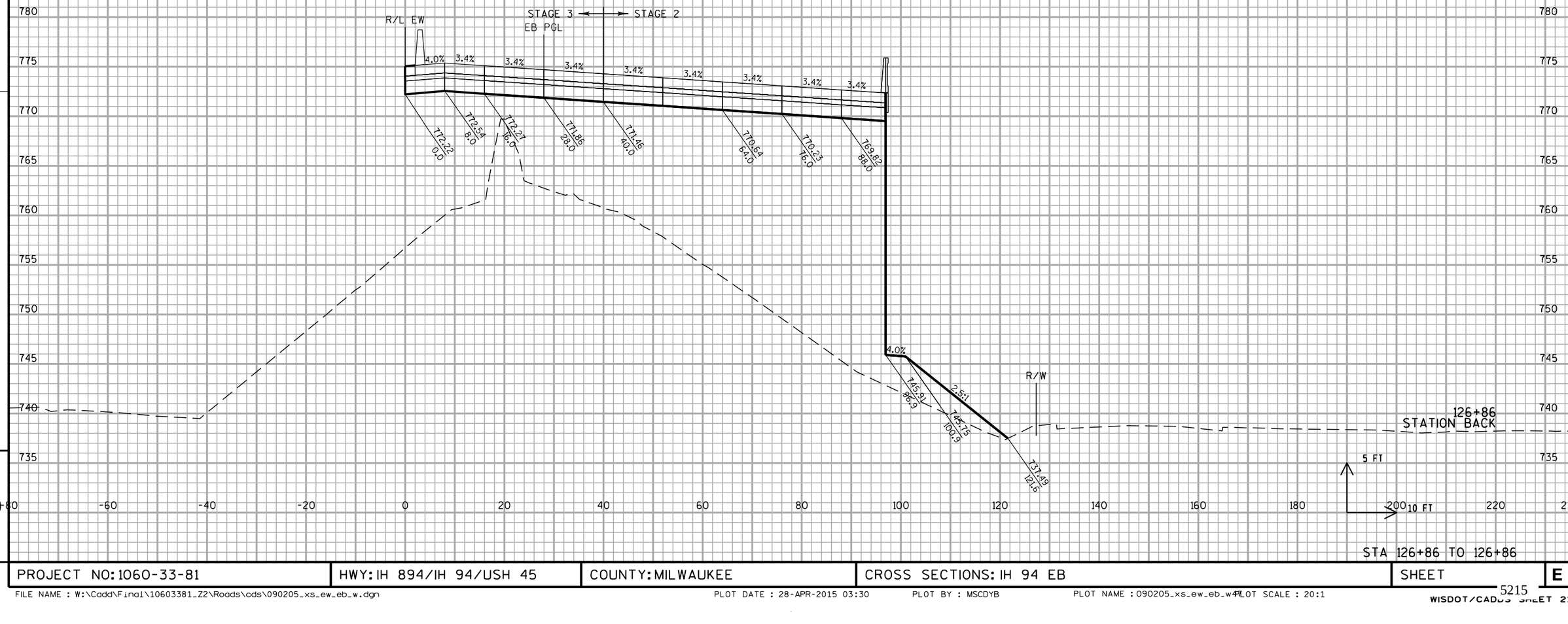
STA 126+00 TO 126+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_EW_EB_W.dgn PLOT DATE : 29-MAY-2015 16:09 PLOT BY : MSCD1S PLOT NAME : 090205_xs_EW_EB_W4B PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

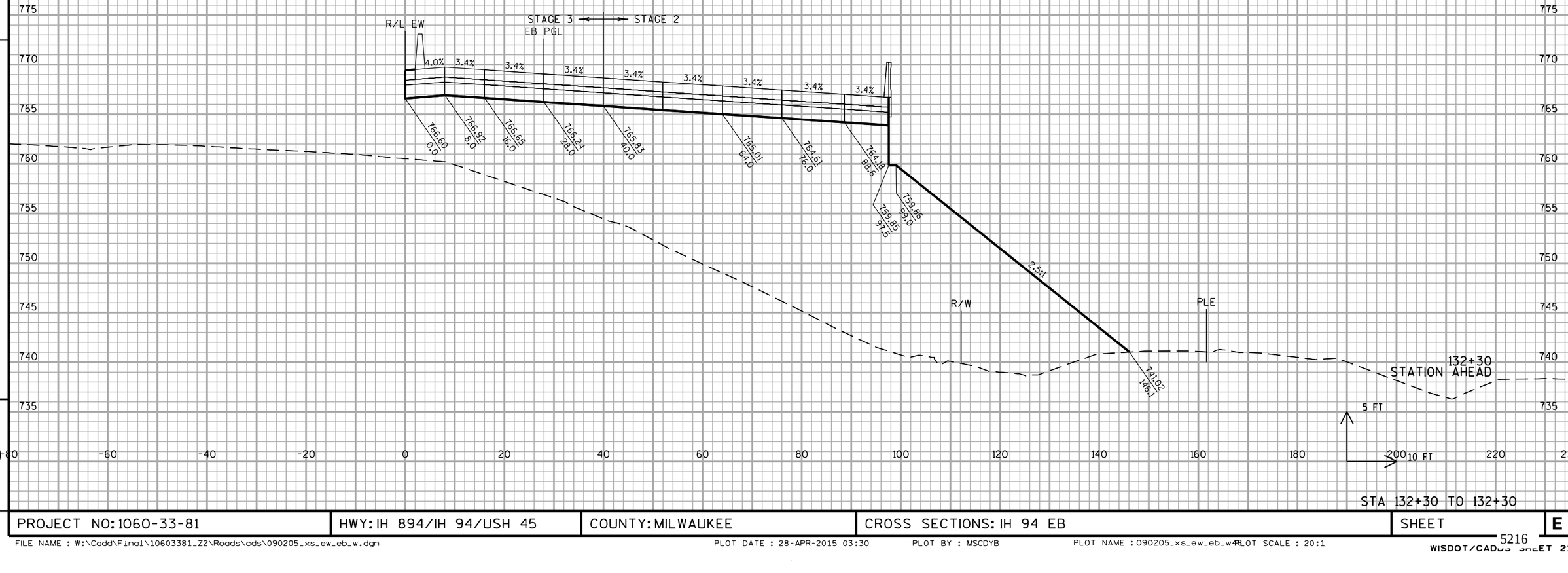
STA 126+50 TO 126+50



STA 126+86 TO 126+86

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

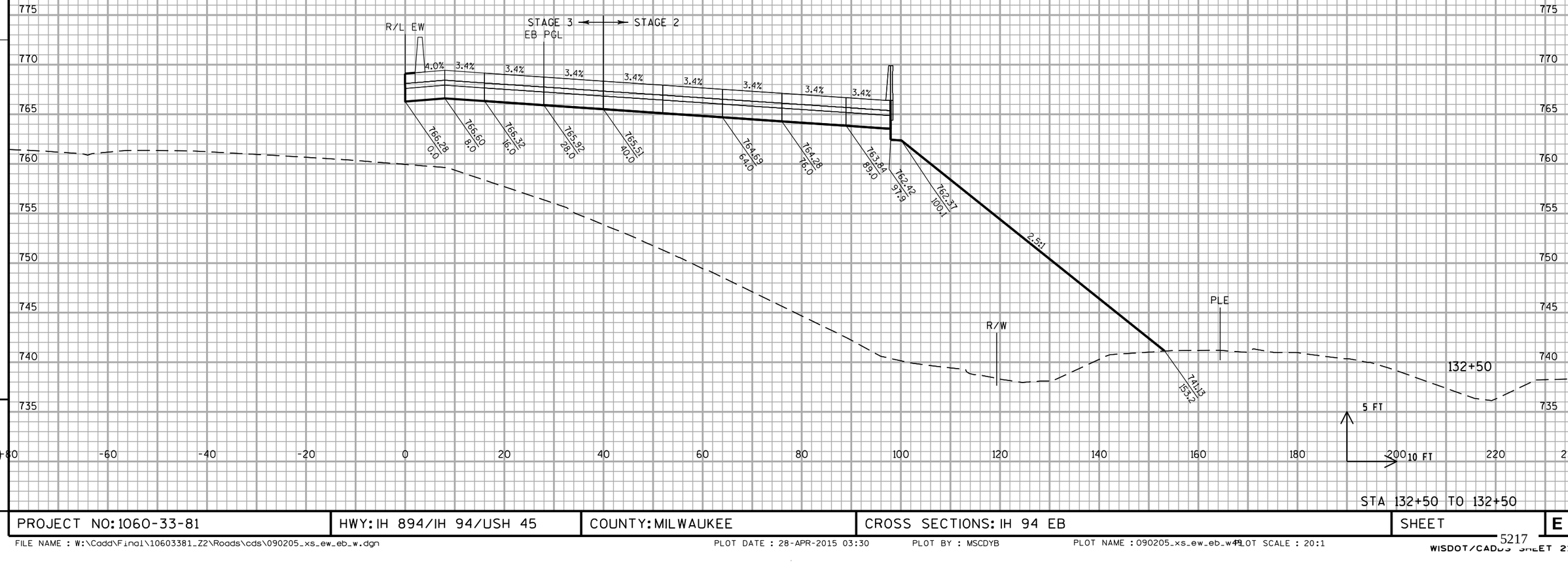
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 132+30 TO 132+30

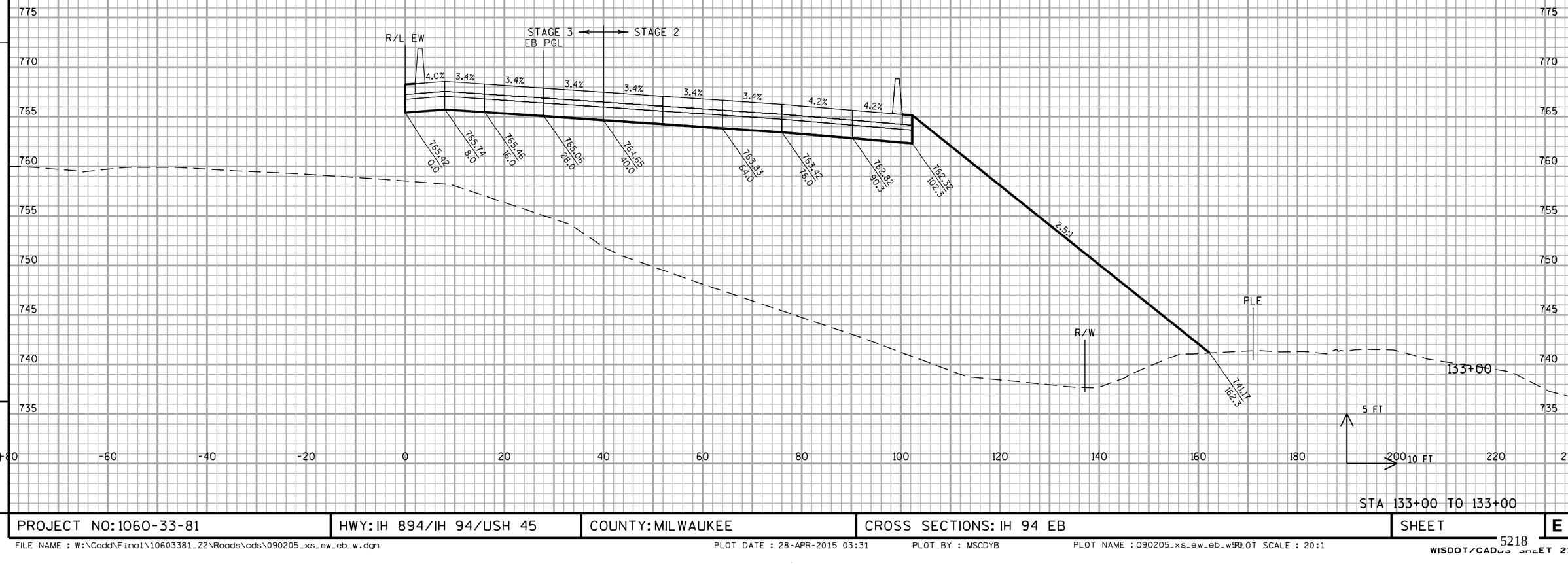
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:30 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w48 PLOT SCALE : 20:1



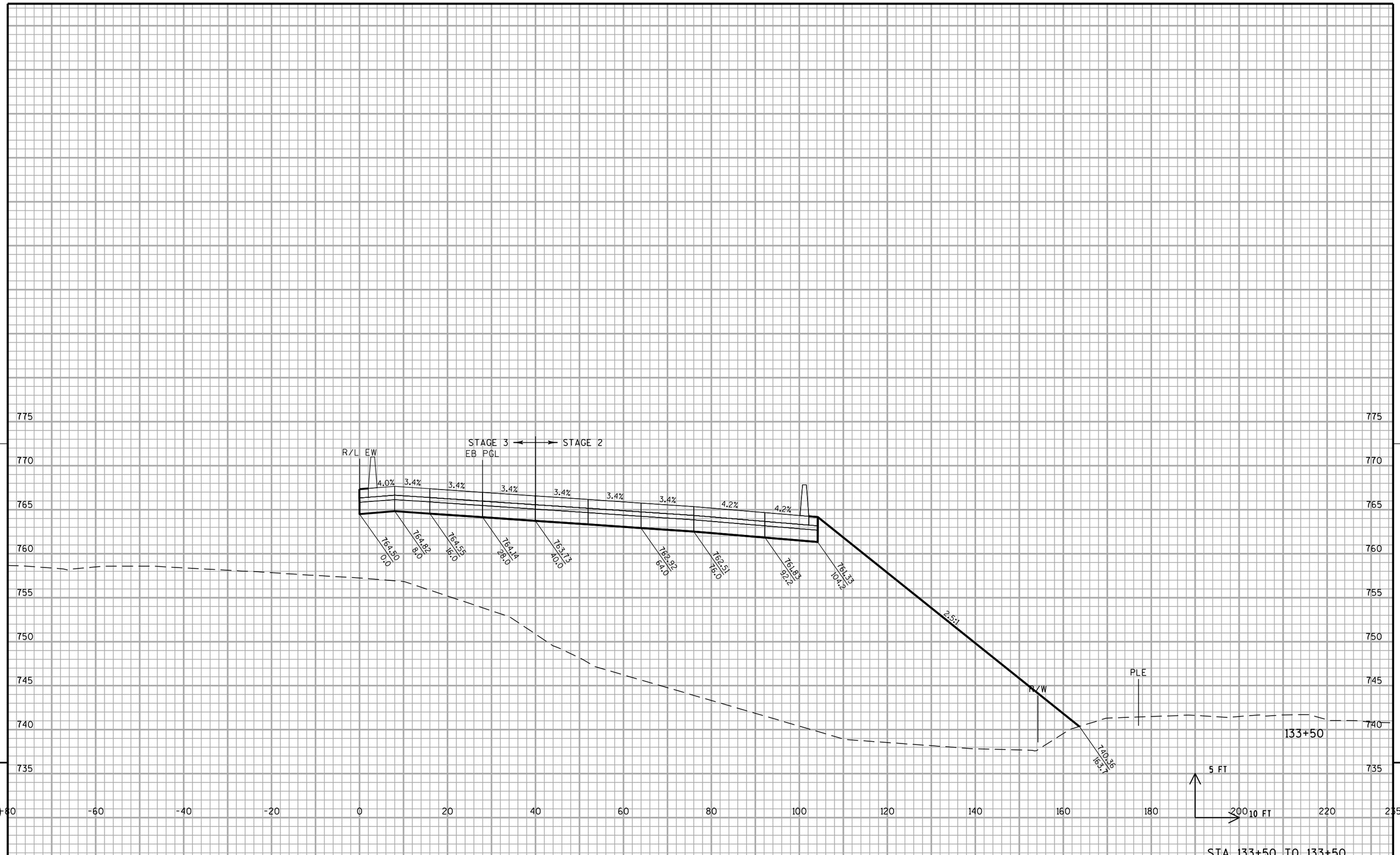
STA 132+50 TO 132+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



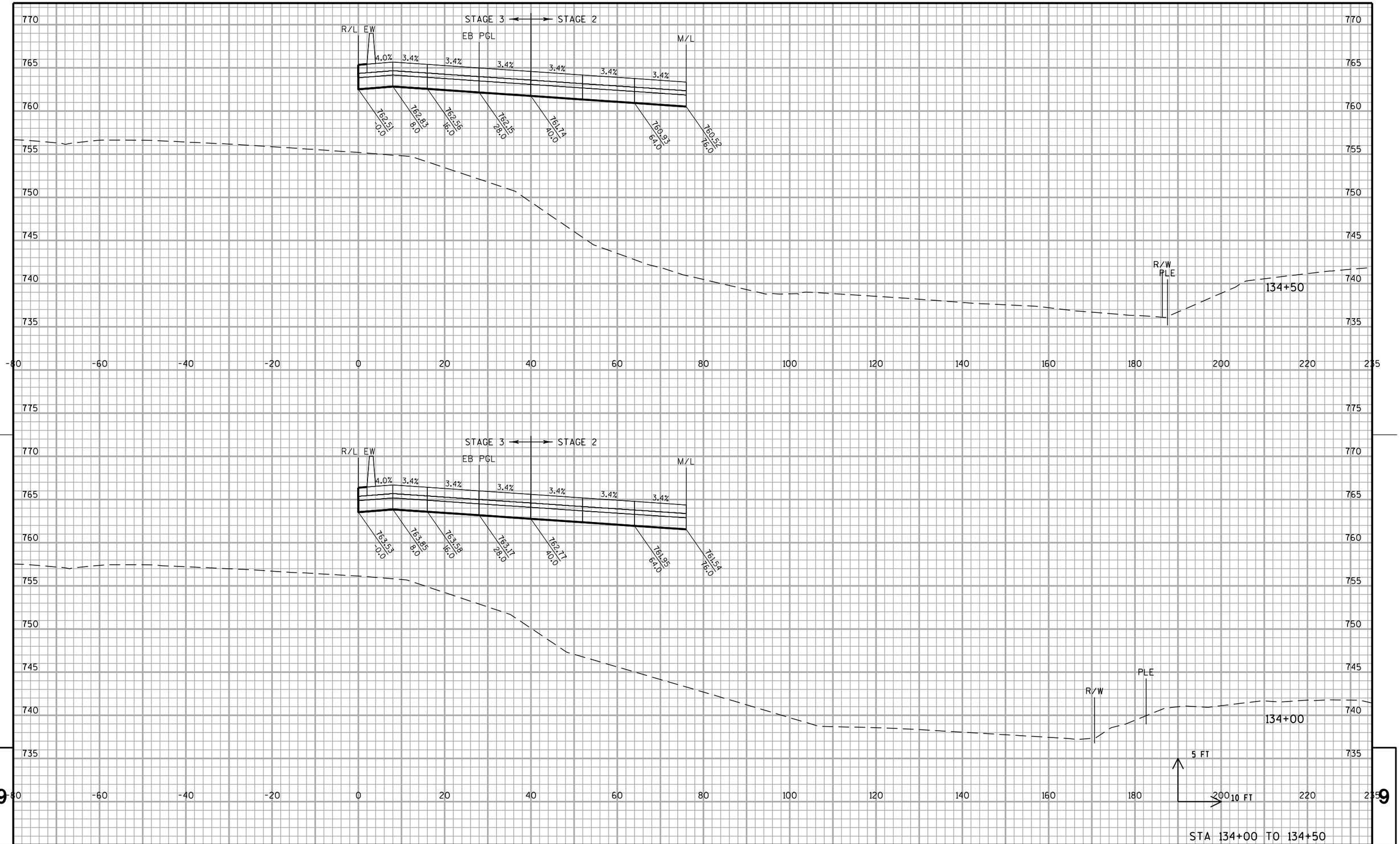
STA 133+00 TO 133+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



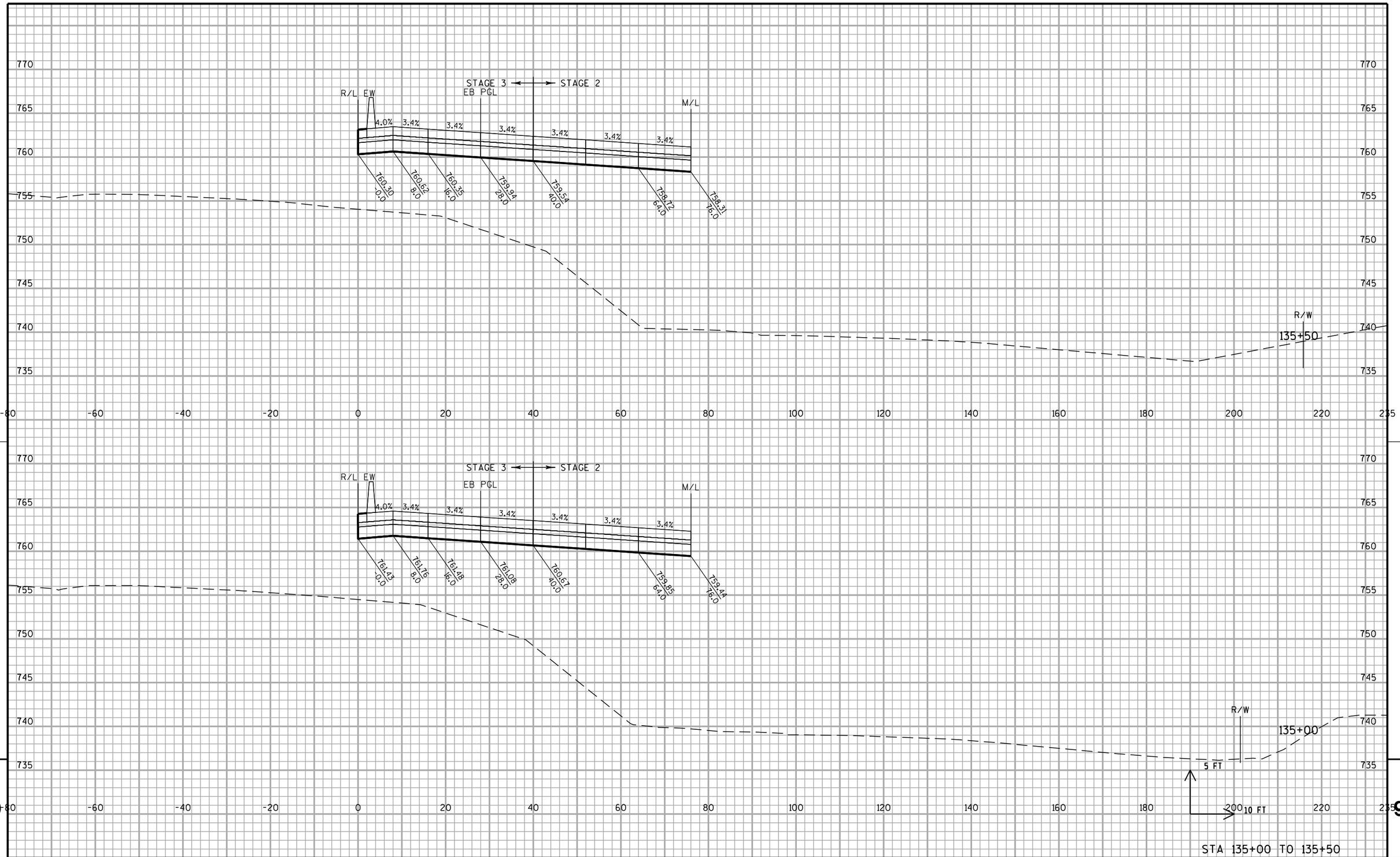
STA 133+50 TO 133+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



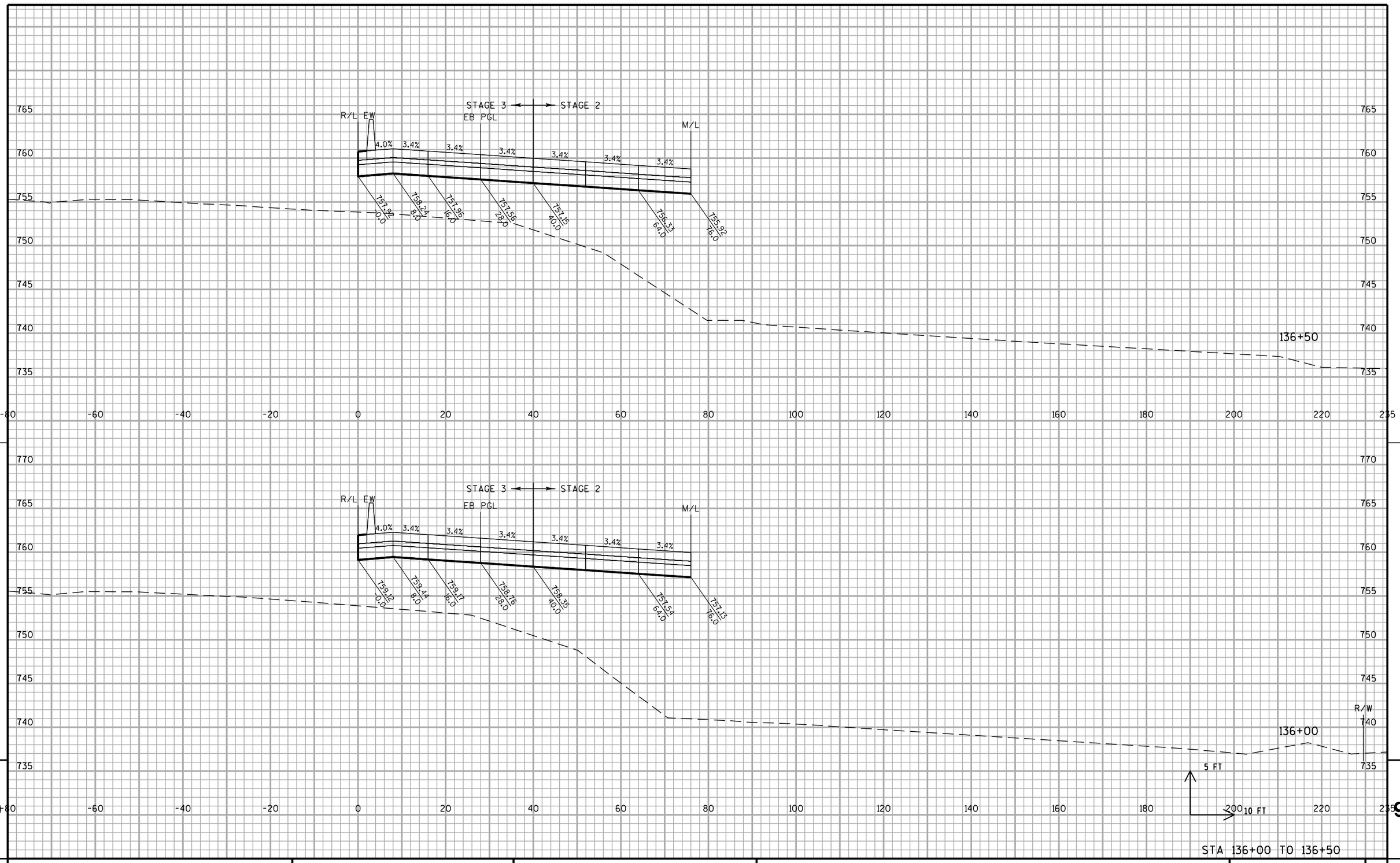
STA 134+00 TO 134+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



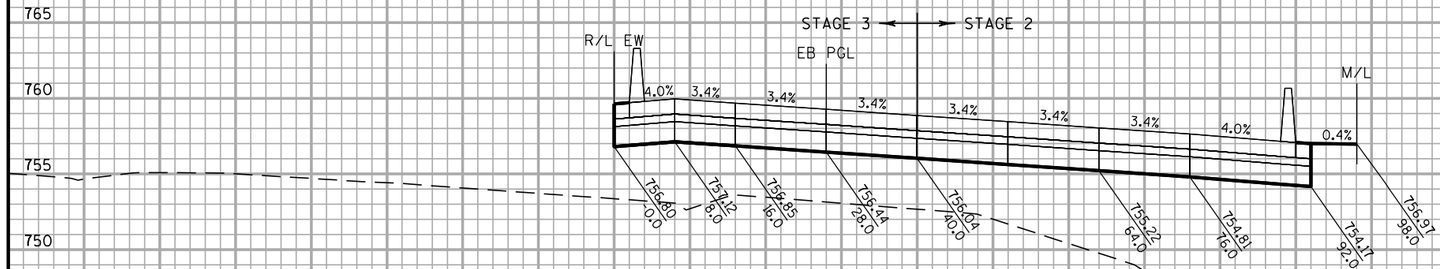
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

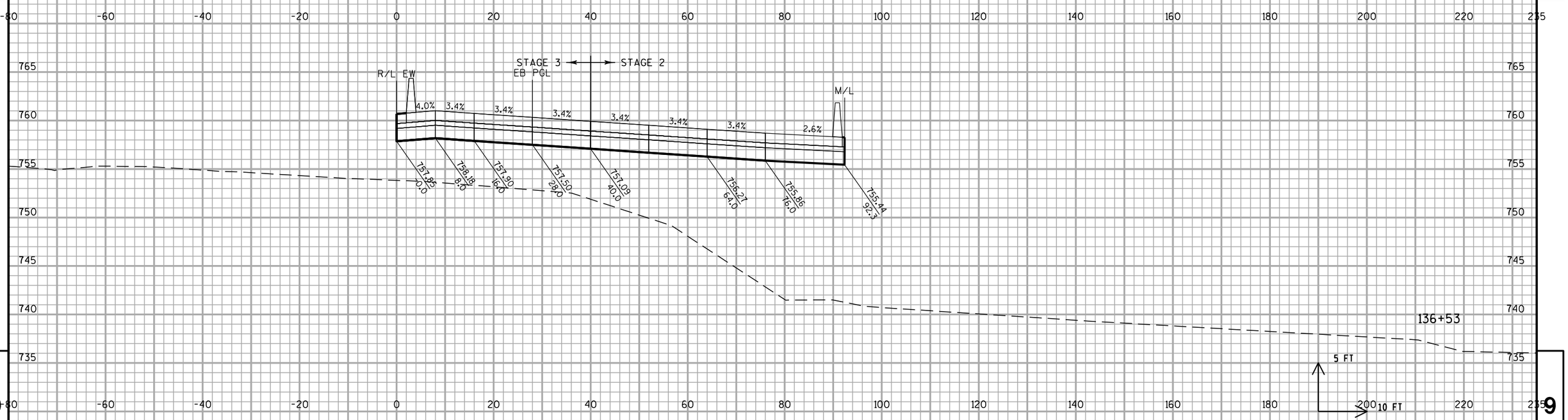
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w51 PLOT SCALE : 20:1



STA 136+00 TO 136+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E





9

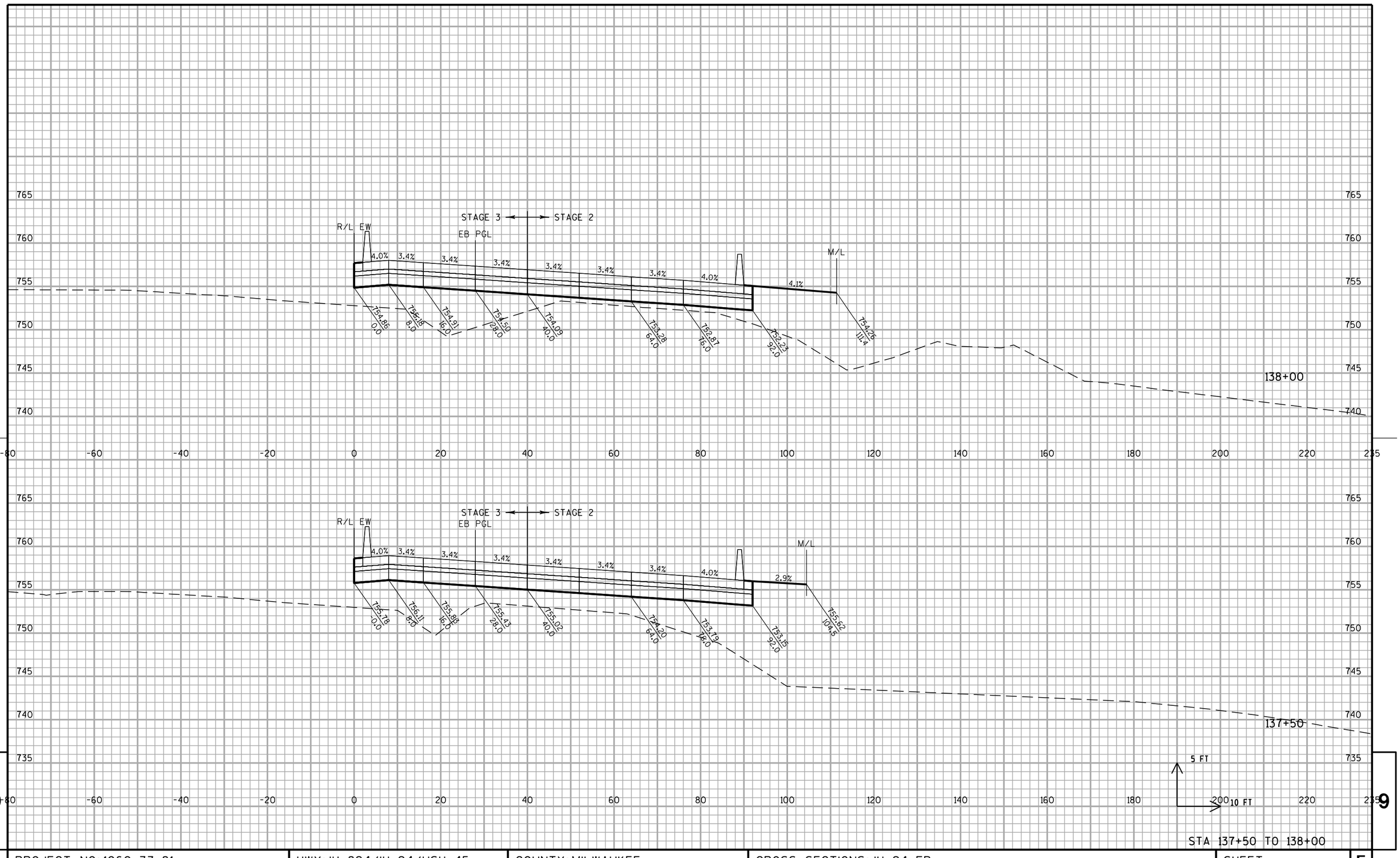
9

STA 136+53 TO 137+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

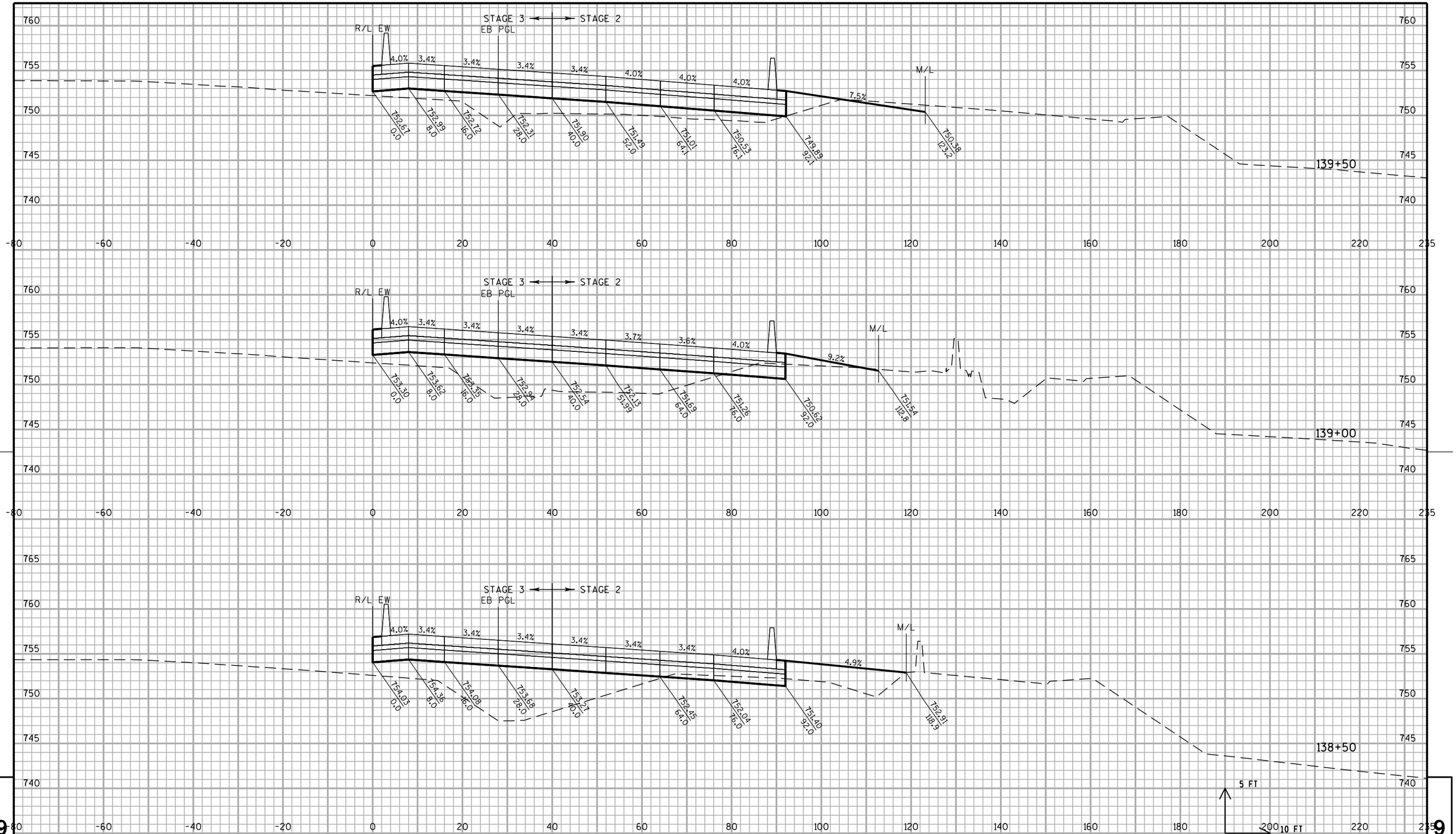
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w51 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

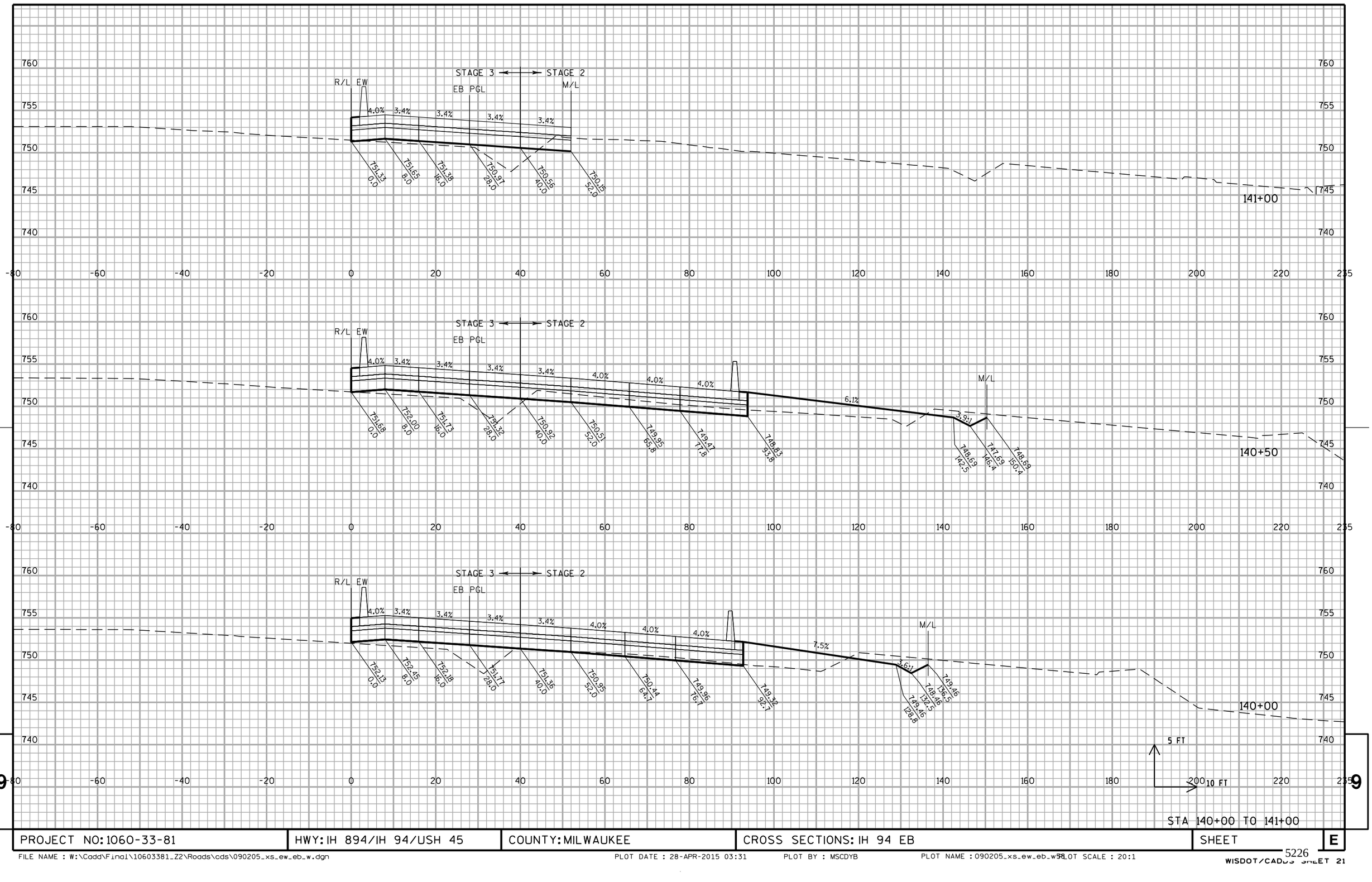
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w5 PLOT SCALE : 20:1



STA 138+50 TO 139+50

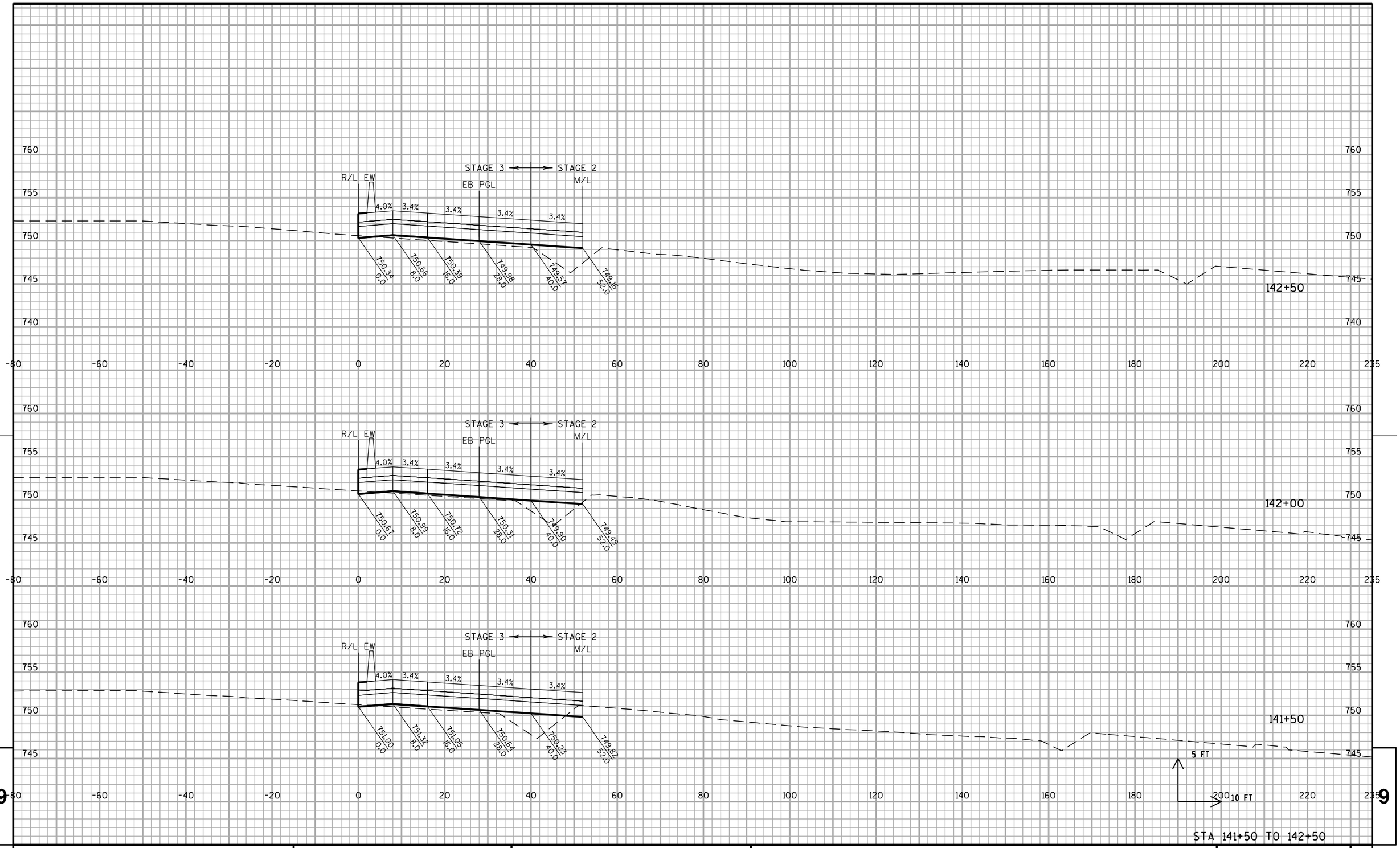
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w57 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET E

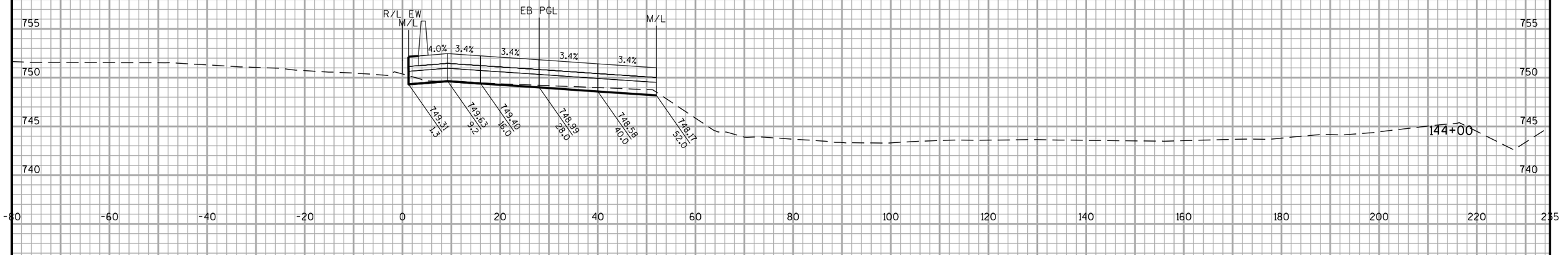
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w58 PLOT SCALE : 20:1



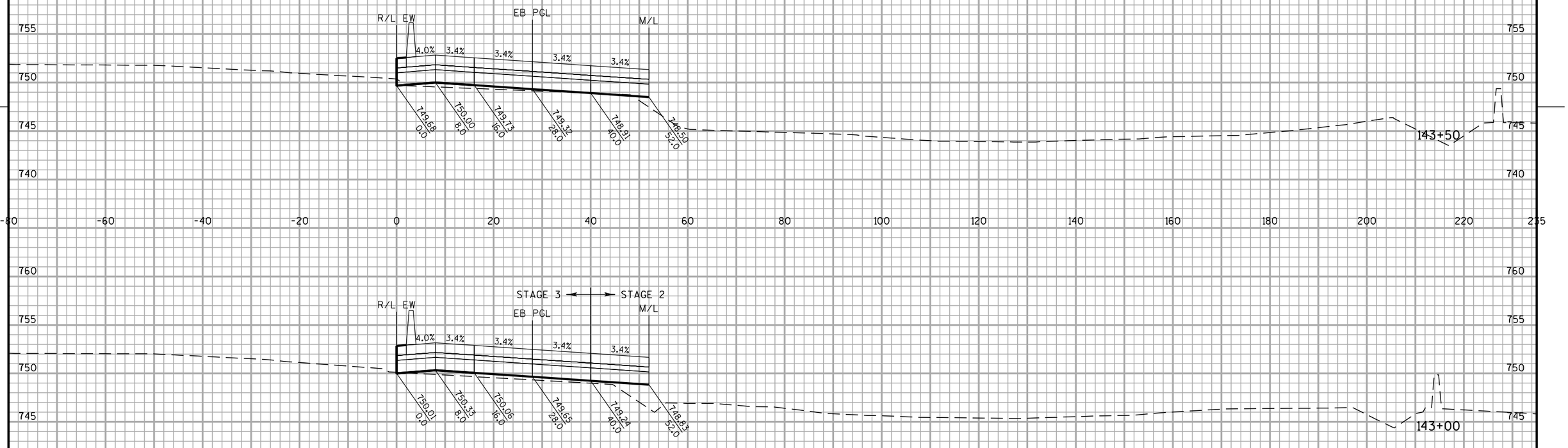
STA 141+50 TO 142+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STAGE 3



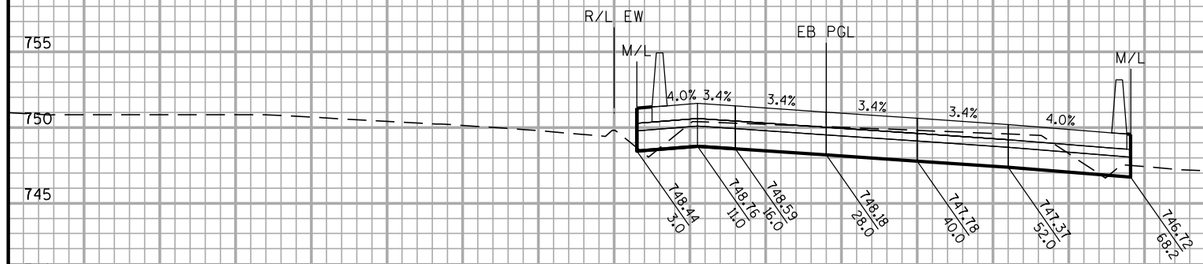
STAGE 3

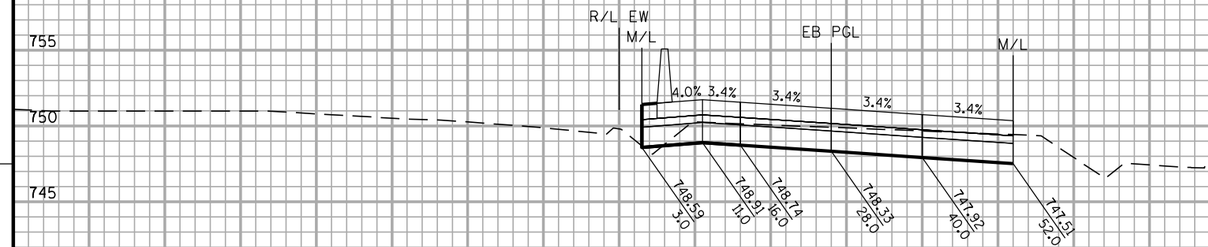


STA 143+00 TO 144+00

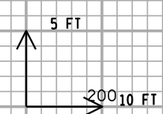
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3







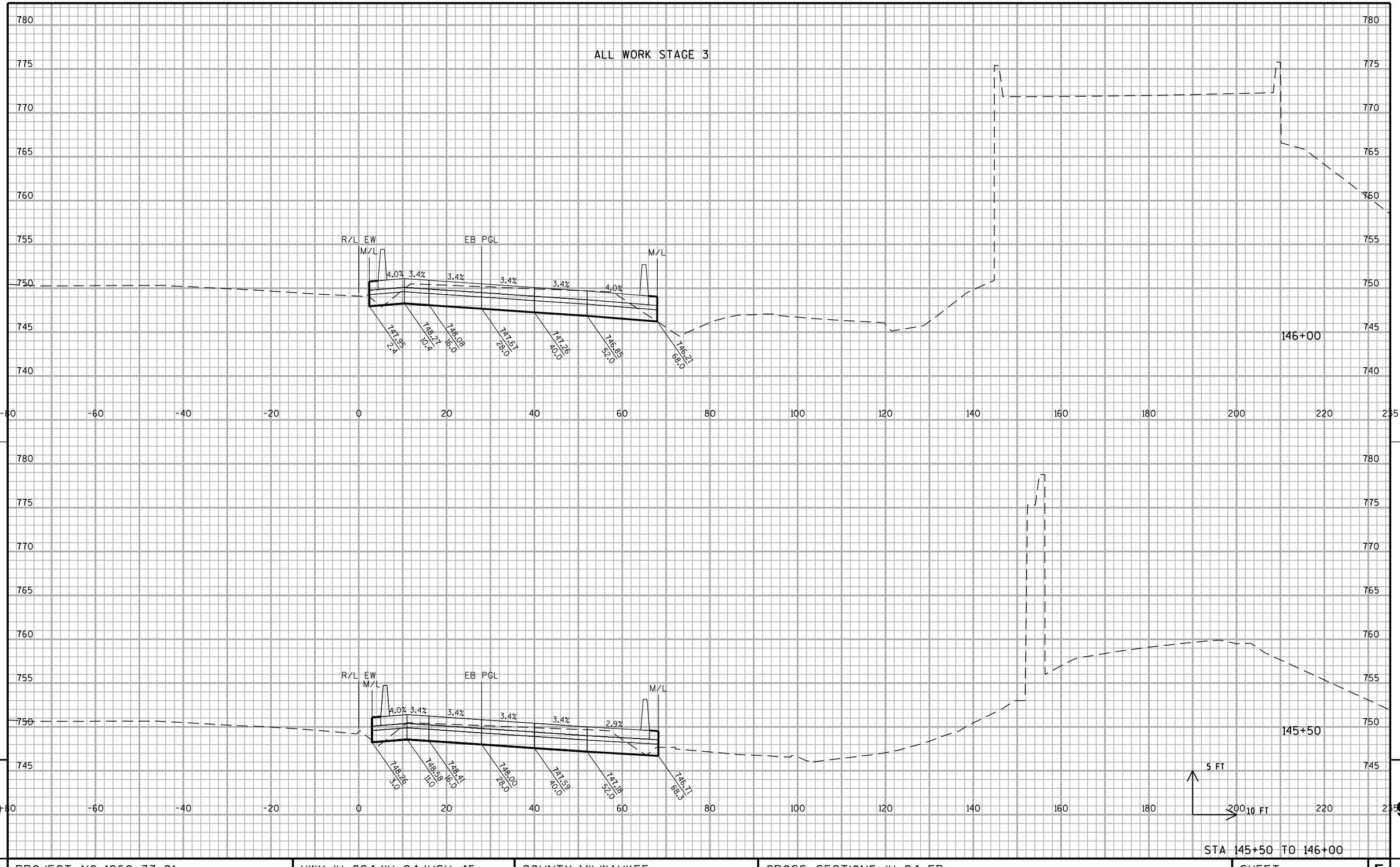


STA 144+50 TO 145+22

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

ALL WORK STAGE 3



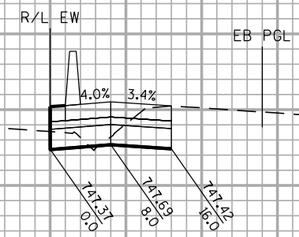
STA 145+50 TO 146+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w02 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STAGE 7



147+00

STAGE 3



146+50

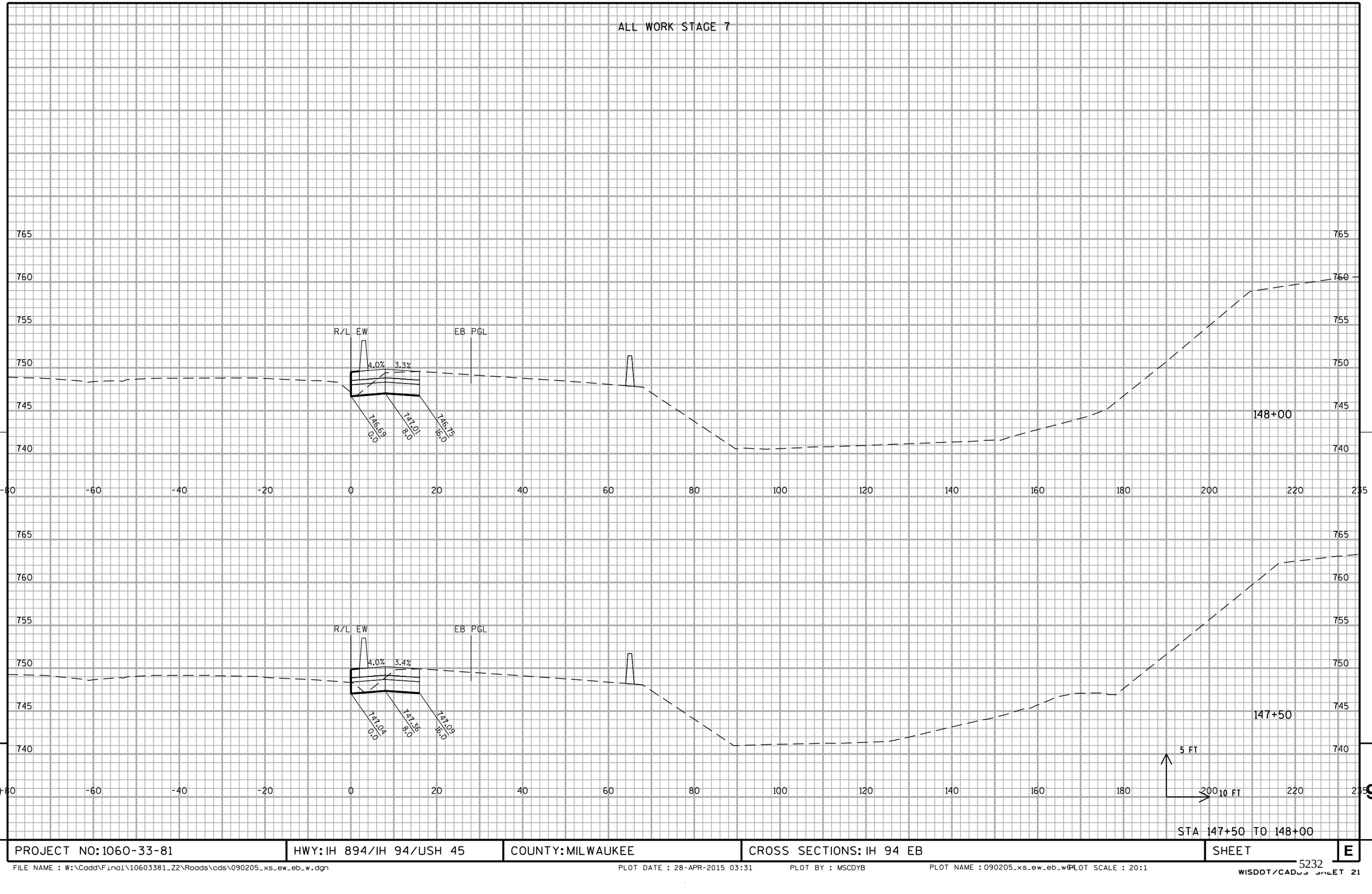
5 FT
10 FT

STA 146+50 TO 147+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w01 PLOT SCALE : 20:1

ALL WORK STAGE 7

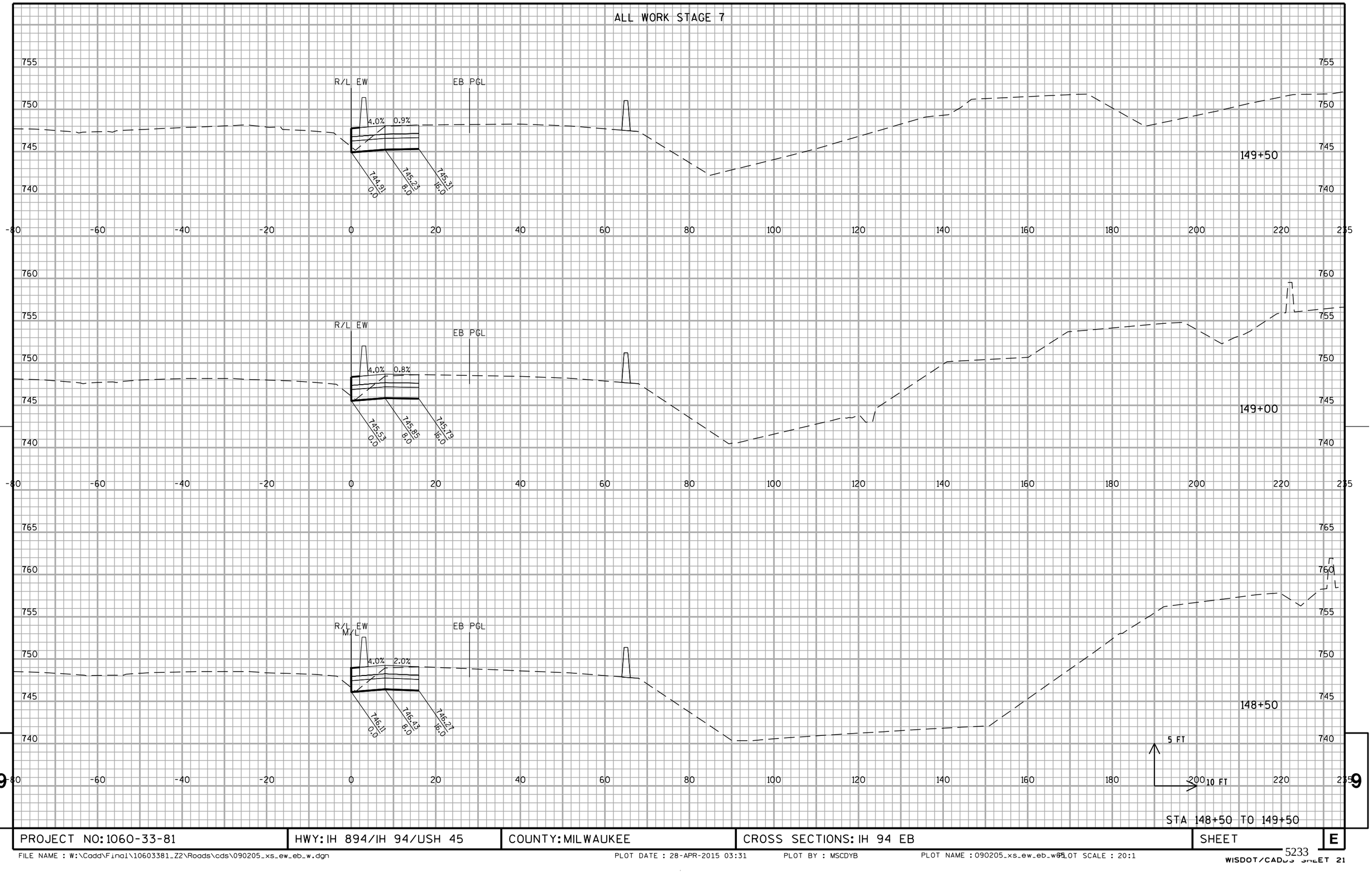


STA 147+50 TO 148+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w64 PLOT SCALE : 20:1

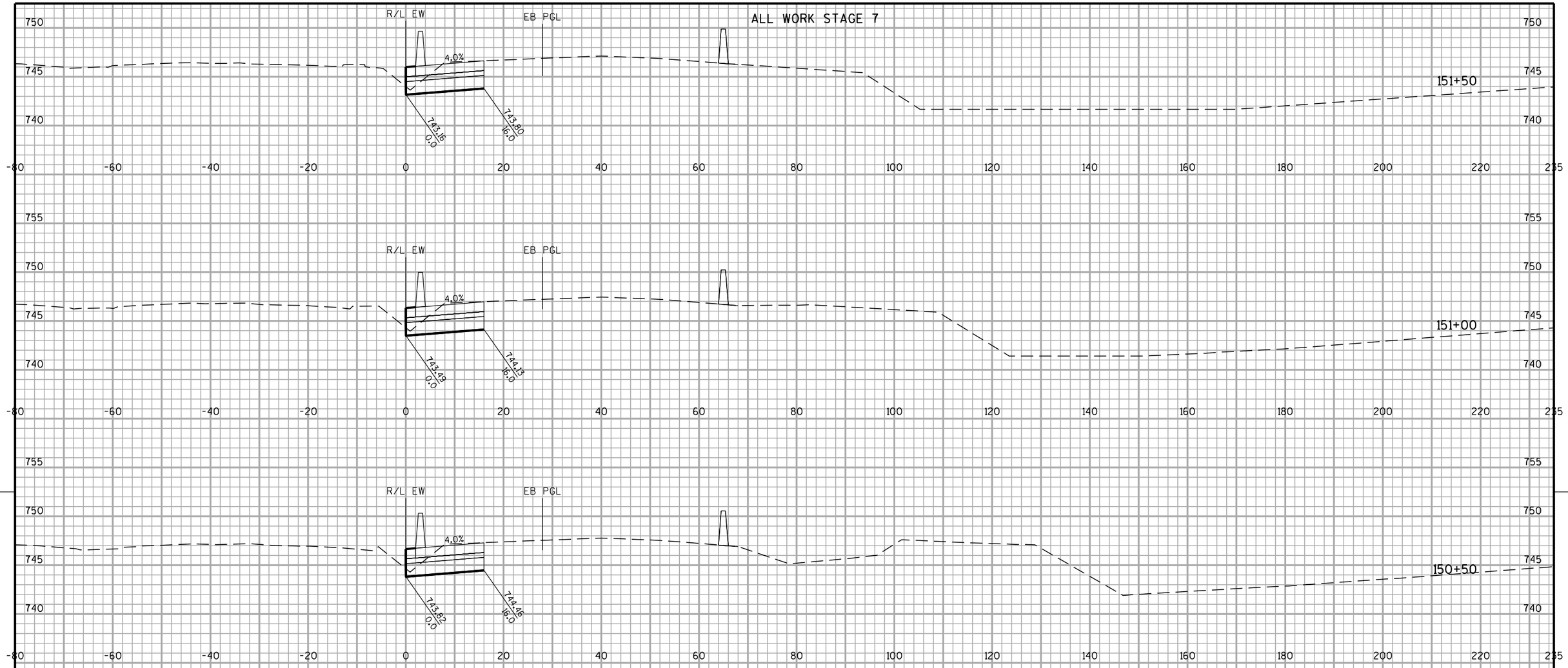
ALL WORK STAGE 7

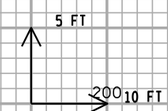


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.pl PLOT SCALE : 20:1

ALL WORK STAGE 7



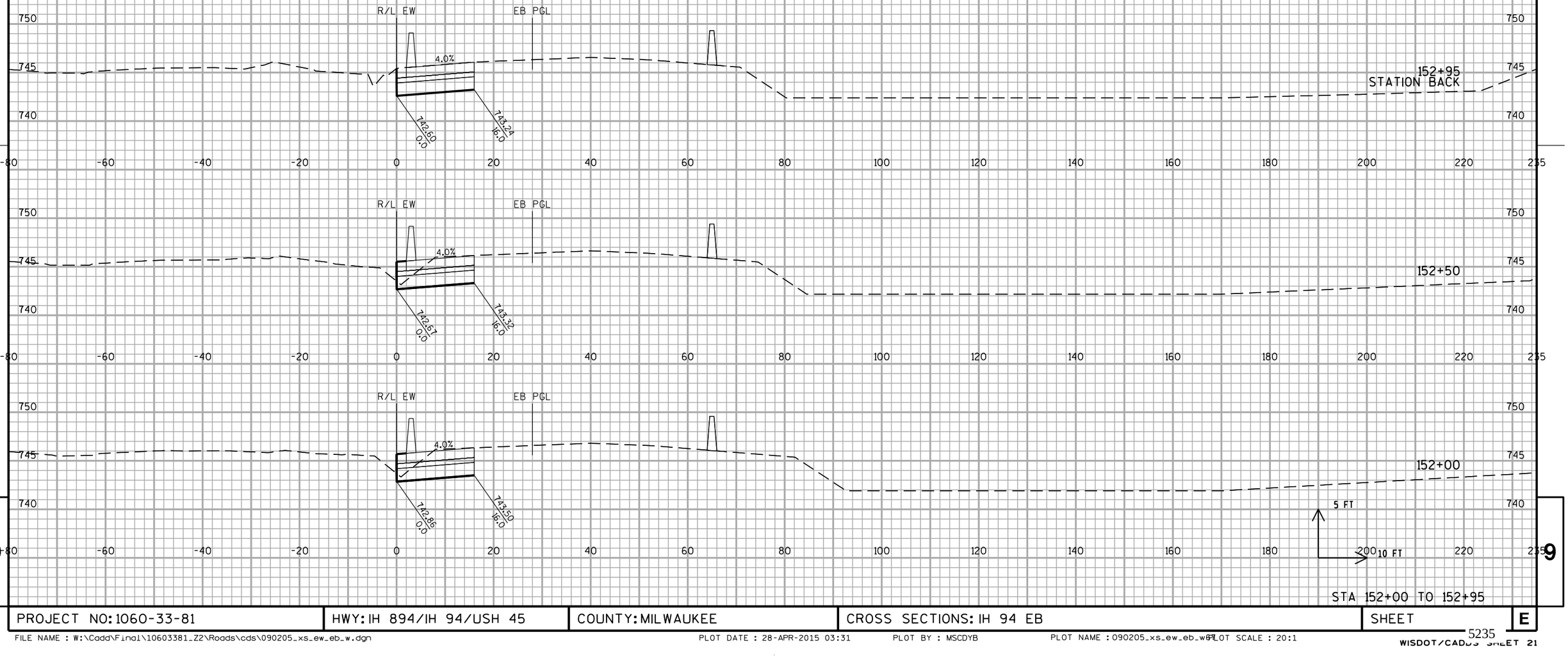


STA 150+00 TO 151+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

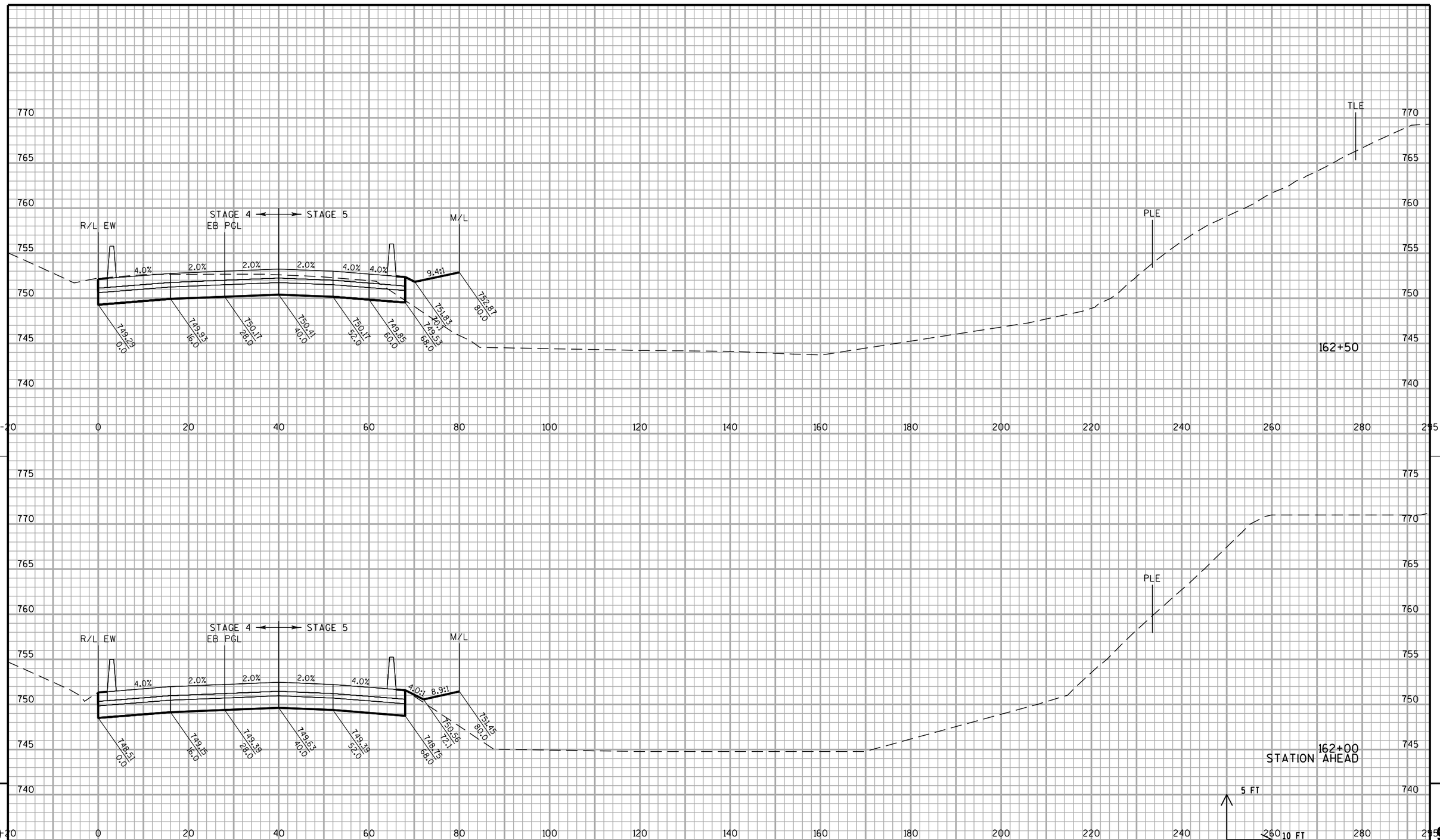
9 9

ALL WORK STAGE 7



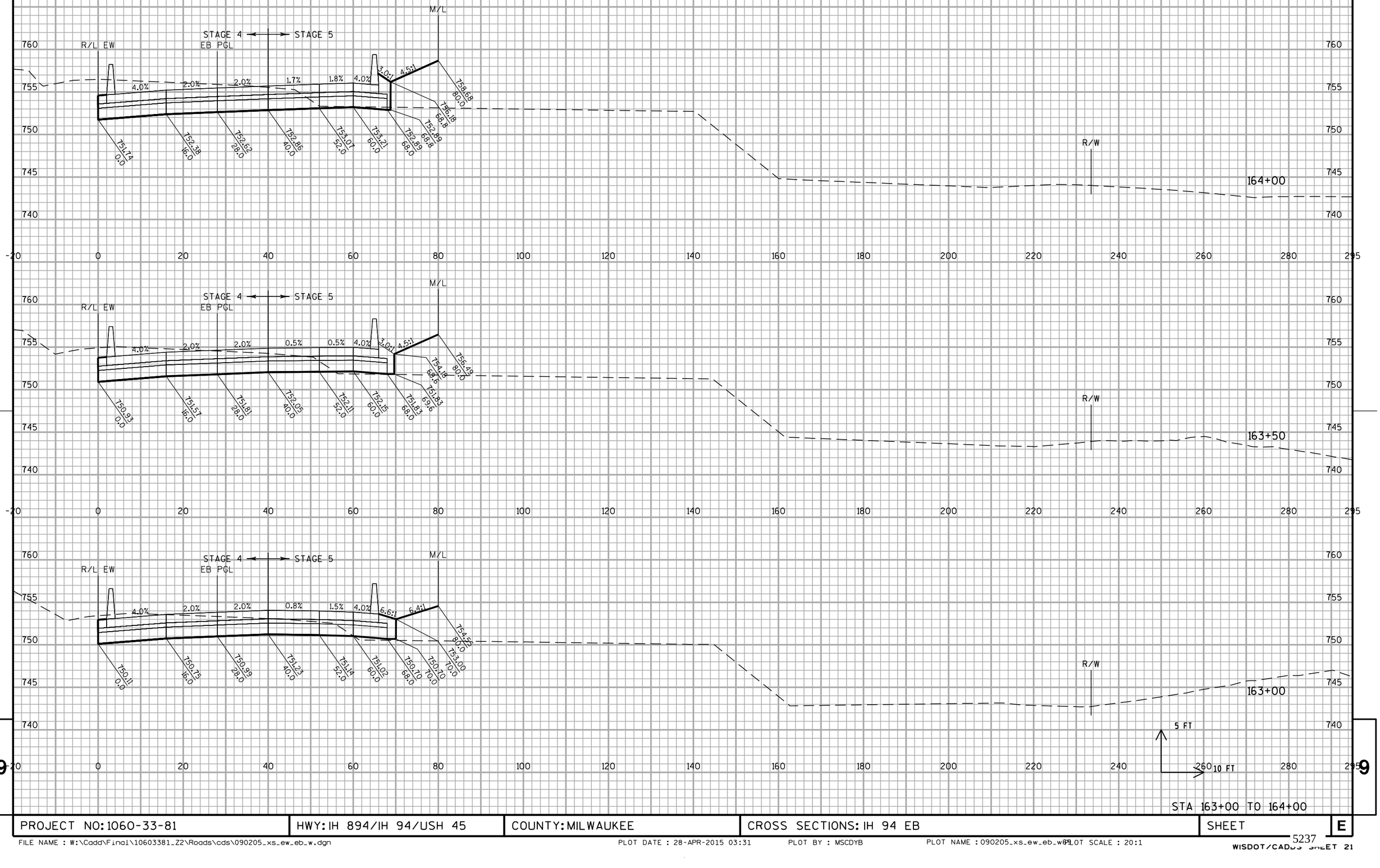
STA 152+00 TO 152+95

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 162+00 TO 162+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn
PLOT DATE : 28-APR-2015 03:31
PLOT BY : MSCDYB
PLOT NAME : 090205_xs_ew_eb_w
PLOT SCALE : 20:1

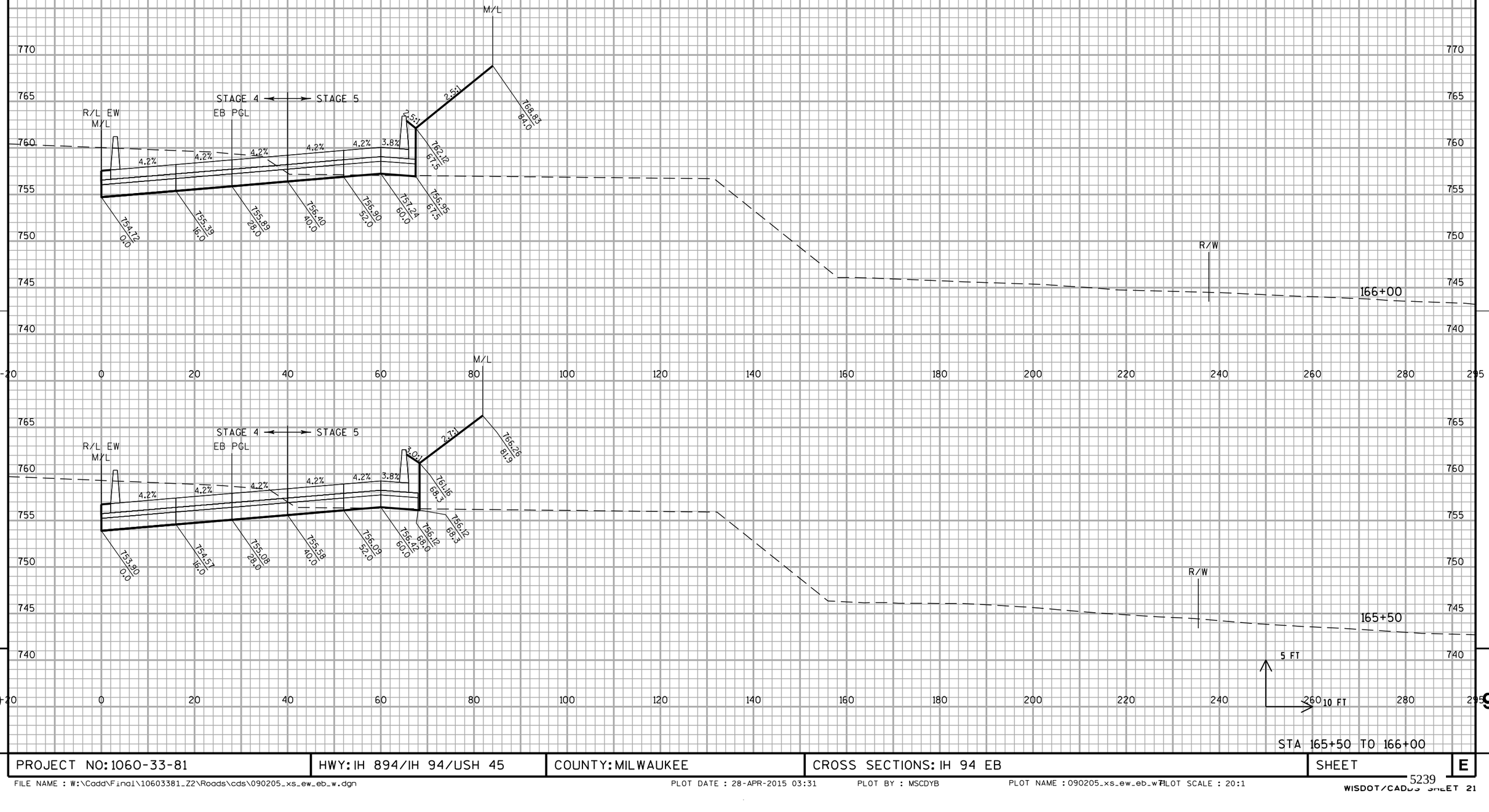


STA 164+50 TO 165+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

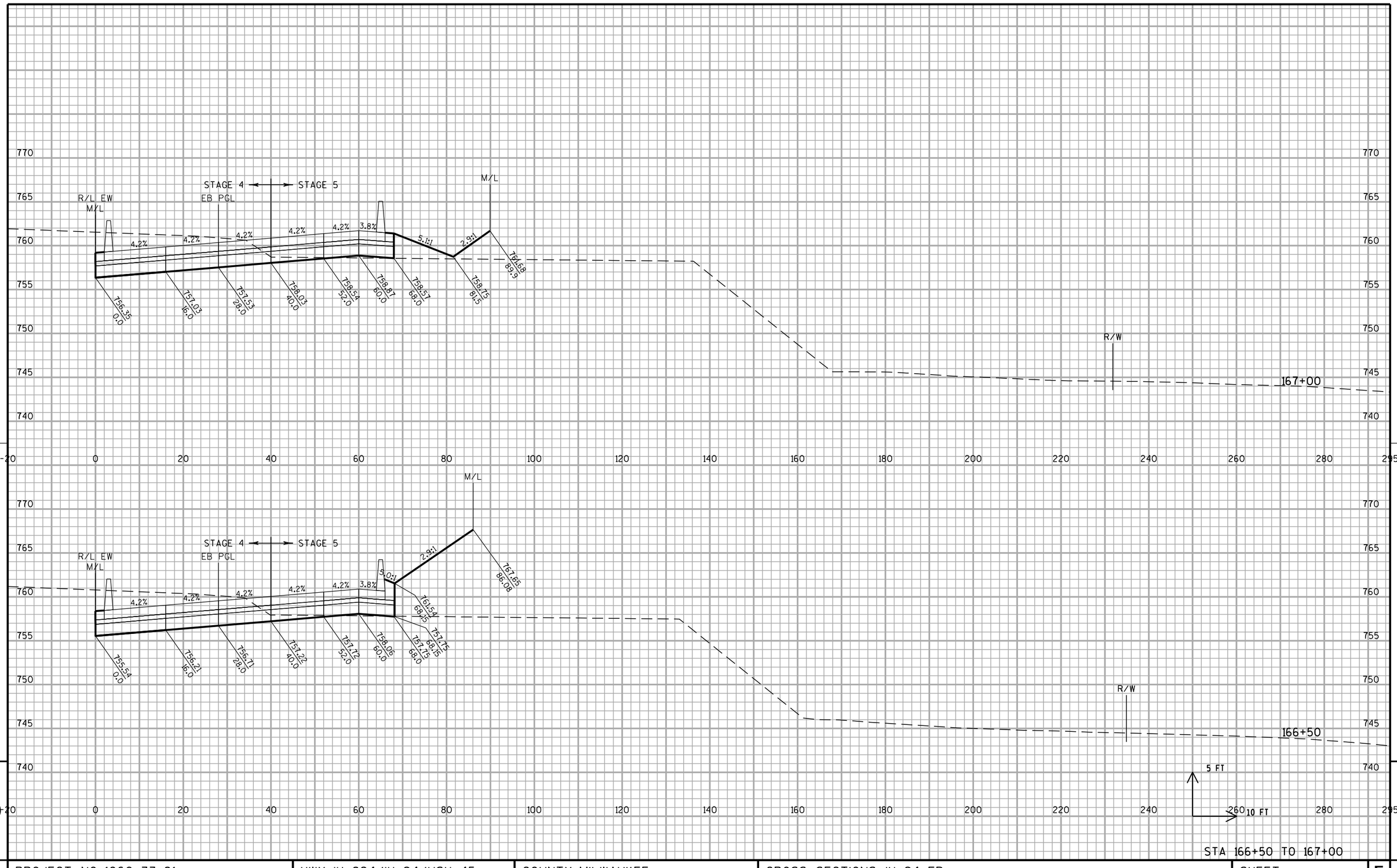
WISDOT/CADDS SHEET 21



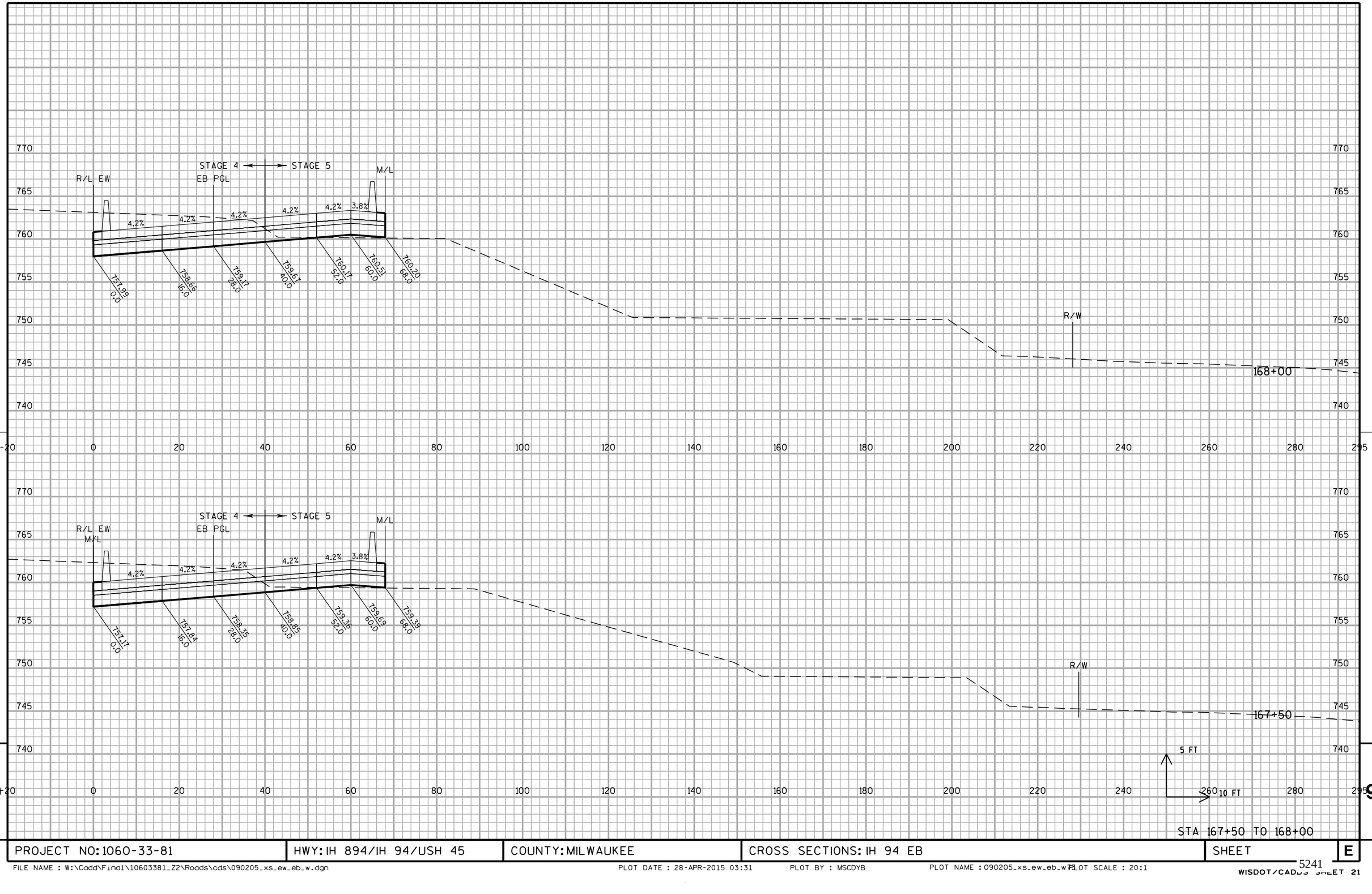
STA 165+50 TO 166+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.PLOT SCALE : 20:1

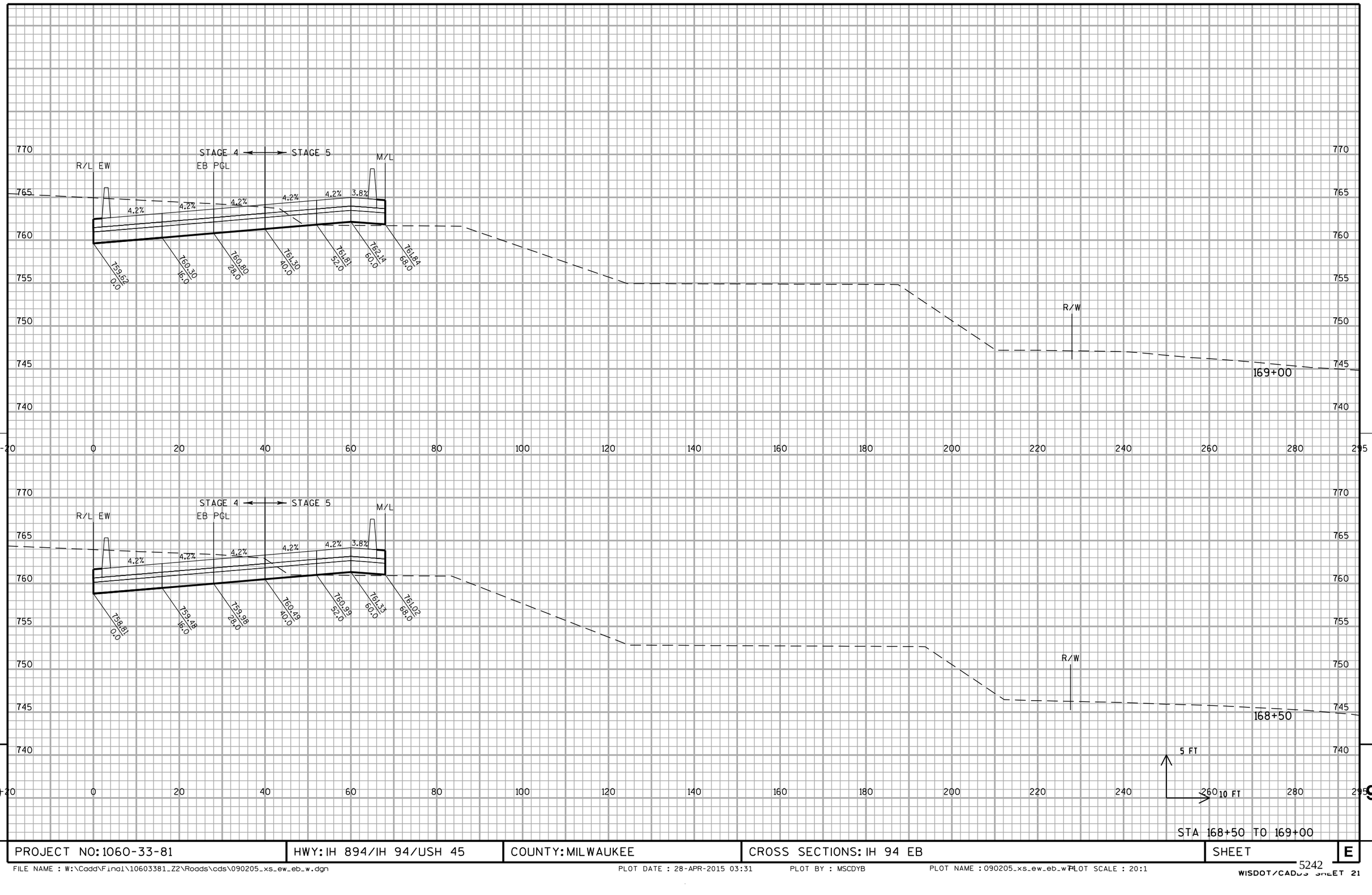


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

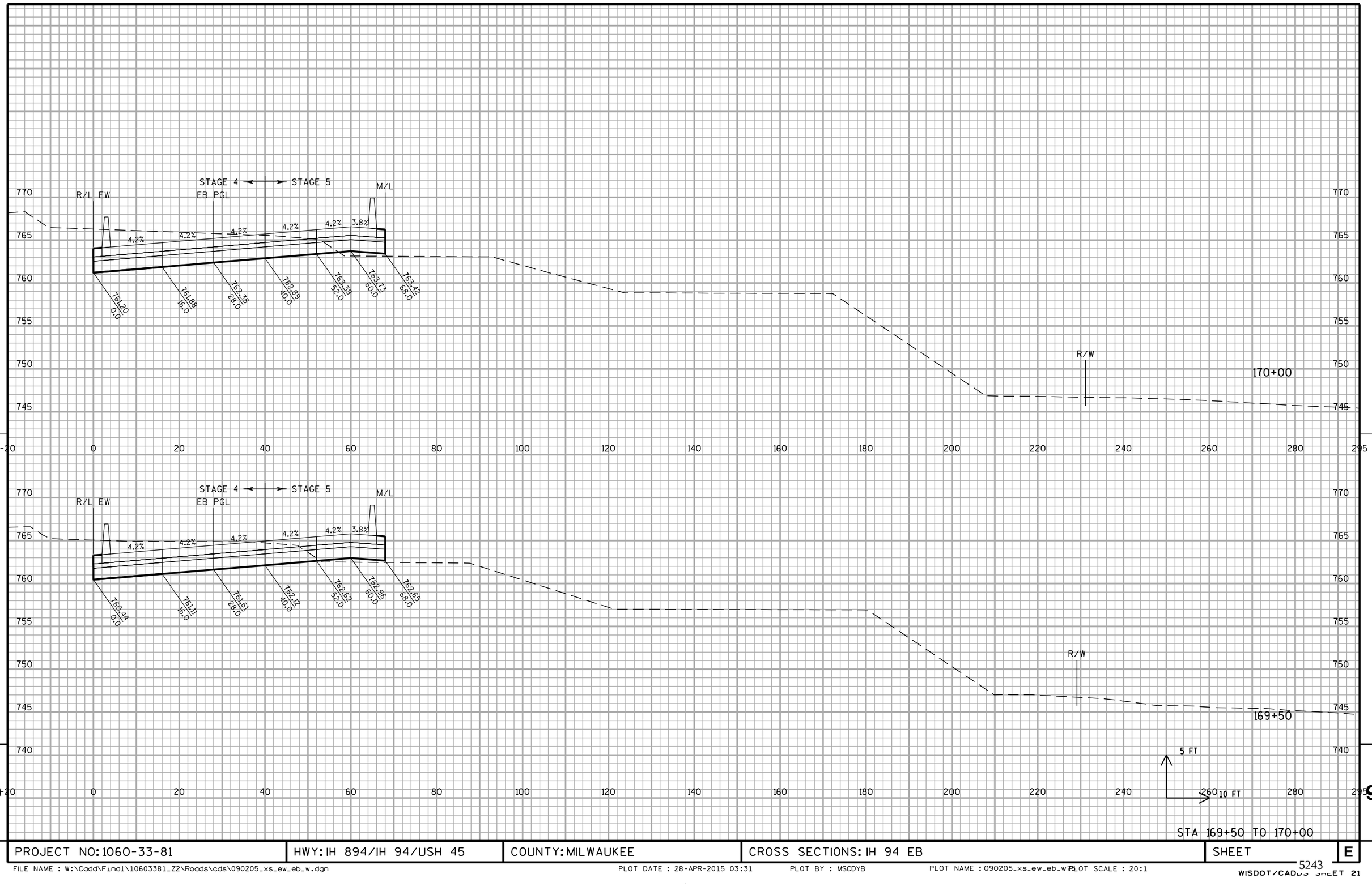
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.pl PLOT SCALE : 20:1



STA 168+50 TO 169+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 169+50 TO 170+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 170+50 TO 171+00

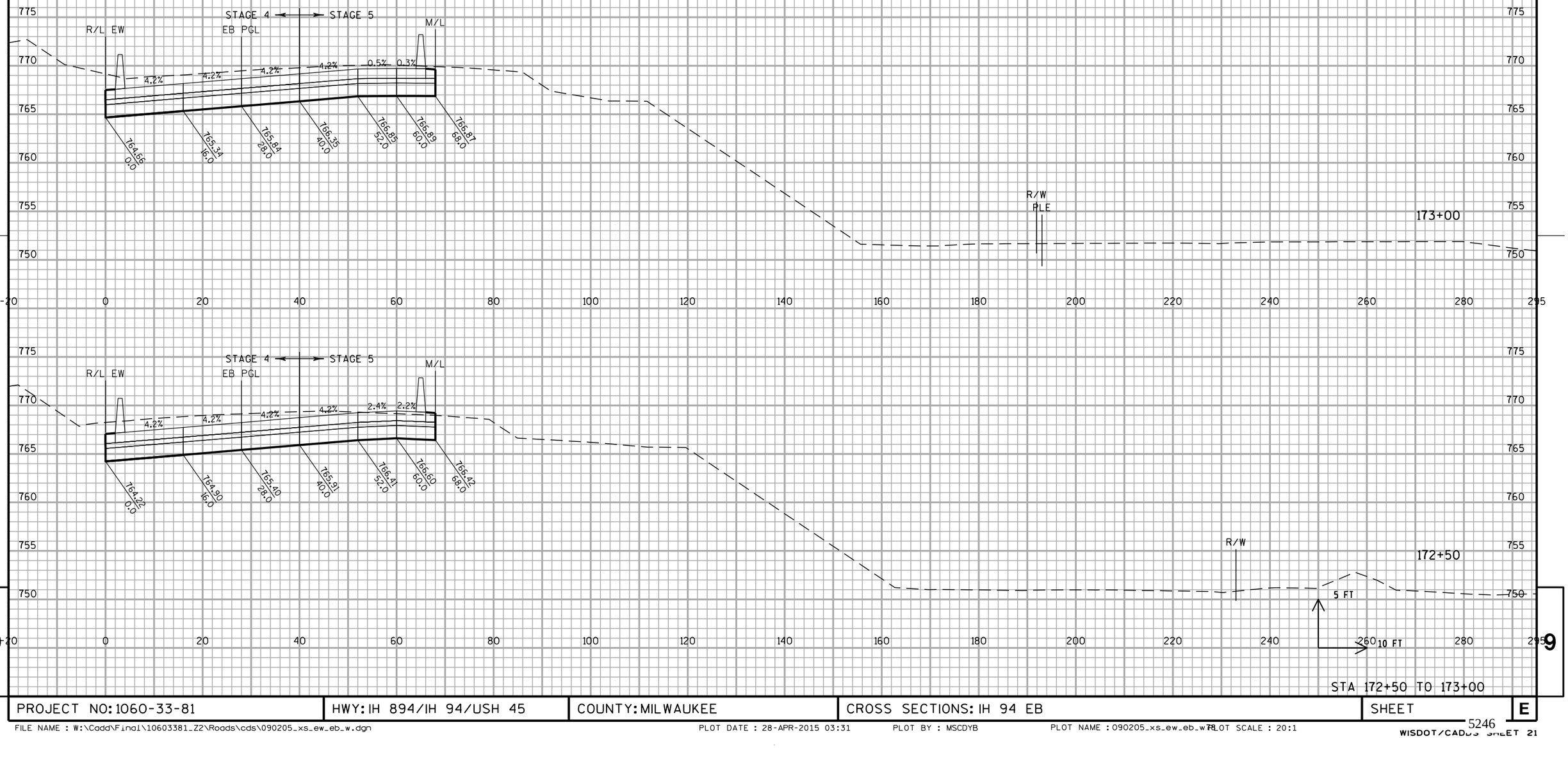
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



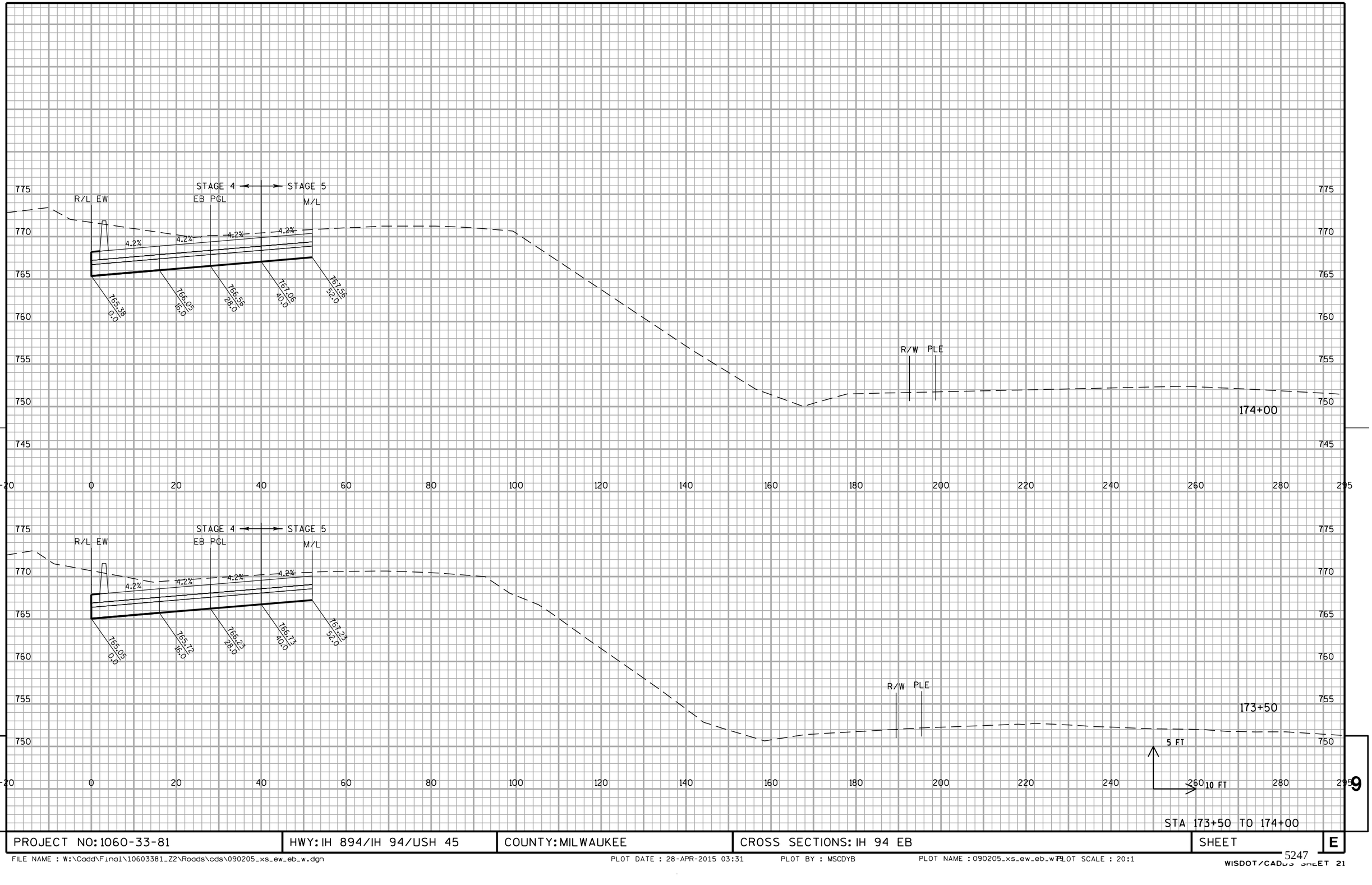
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET E

STA 171+50 TO 172+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.PLOT SCALE : 20:1



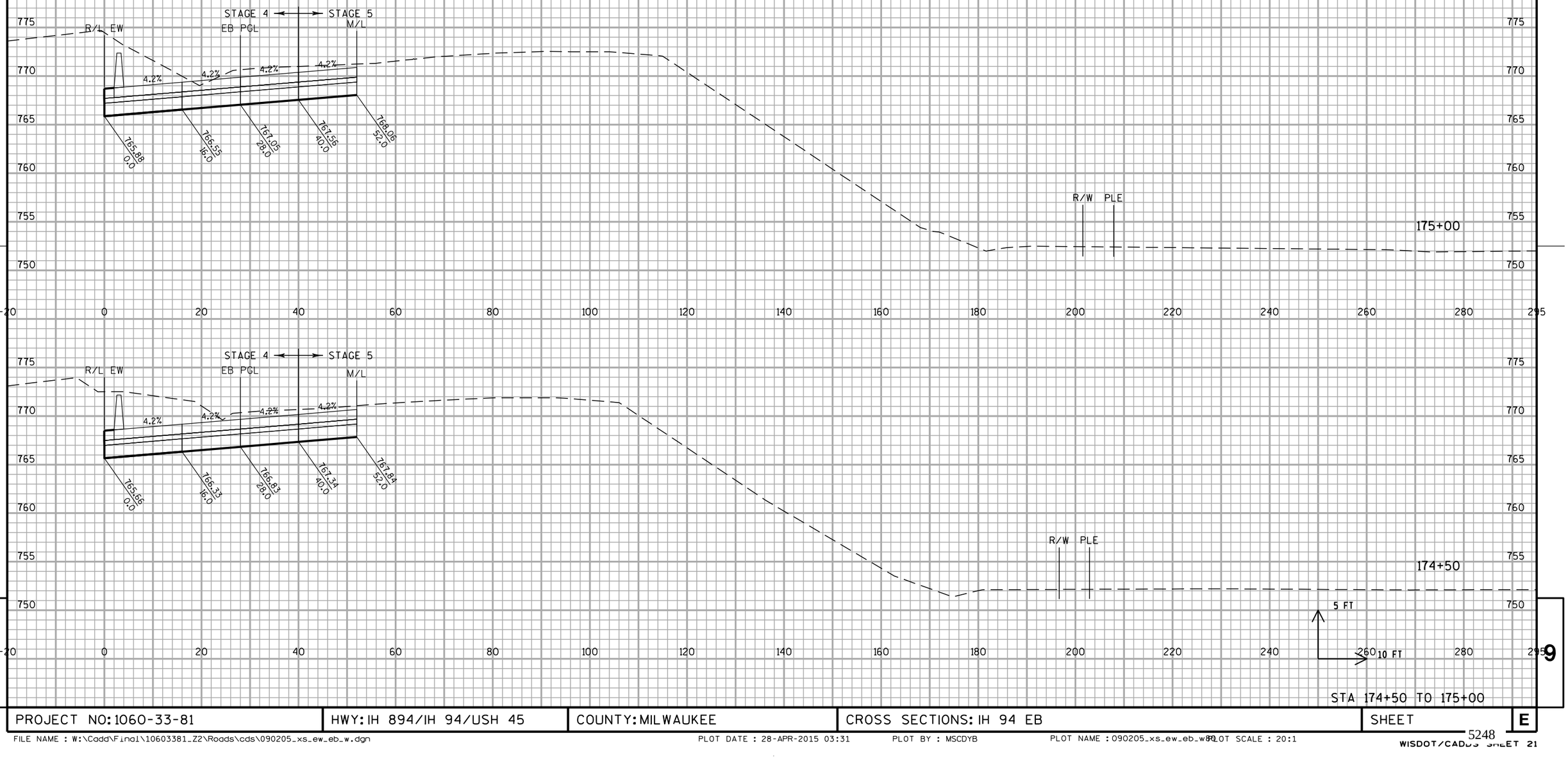
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



9

STA 173+50 TO 174+00

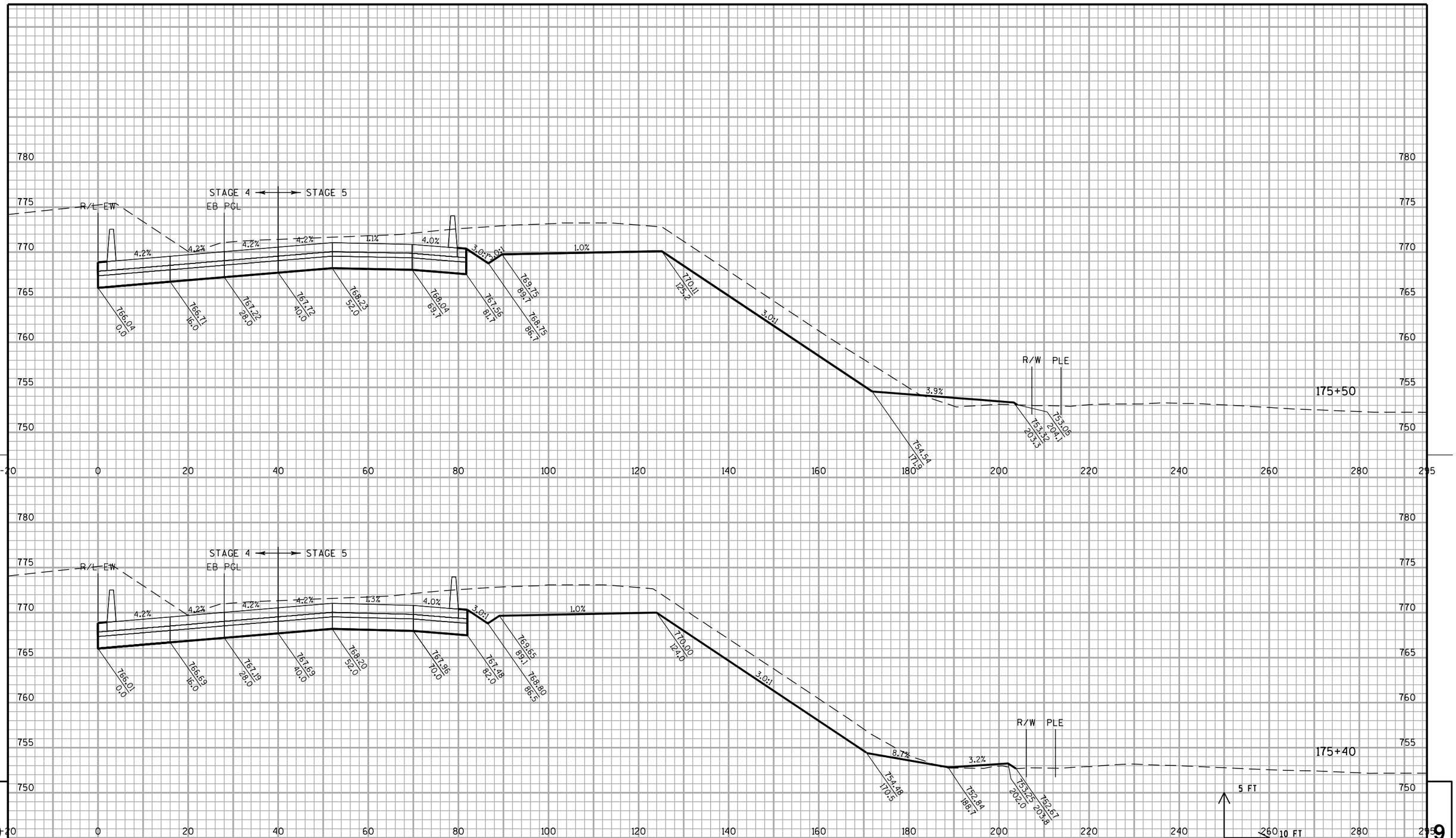
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 174+50 TO 175+00

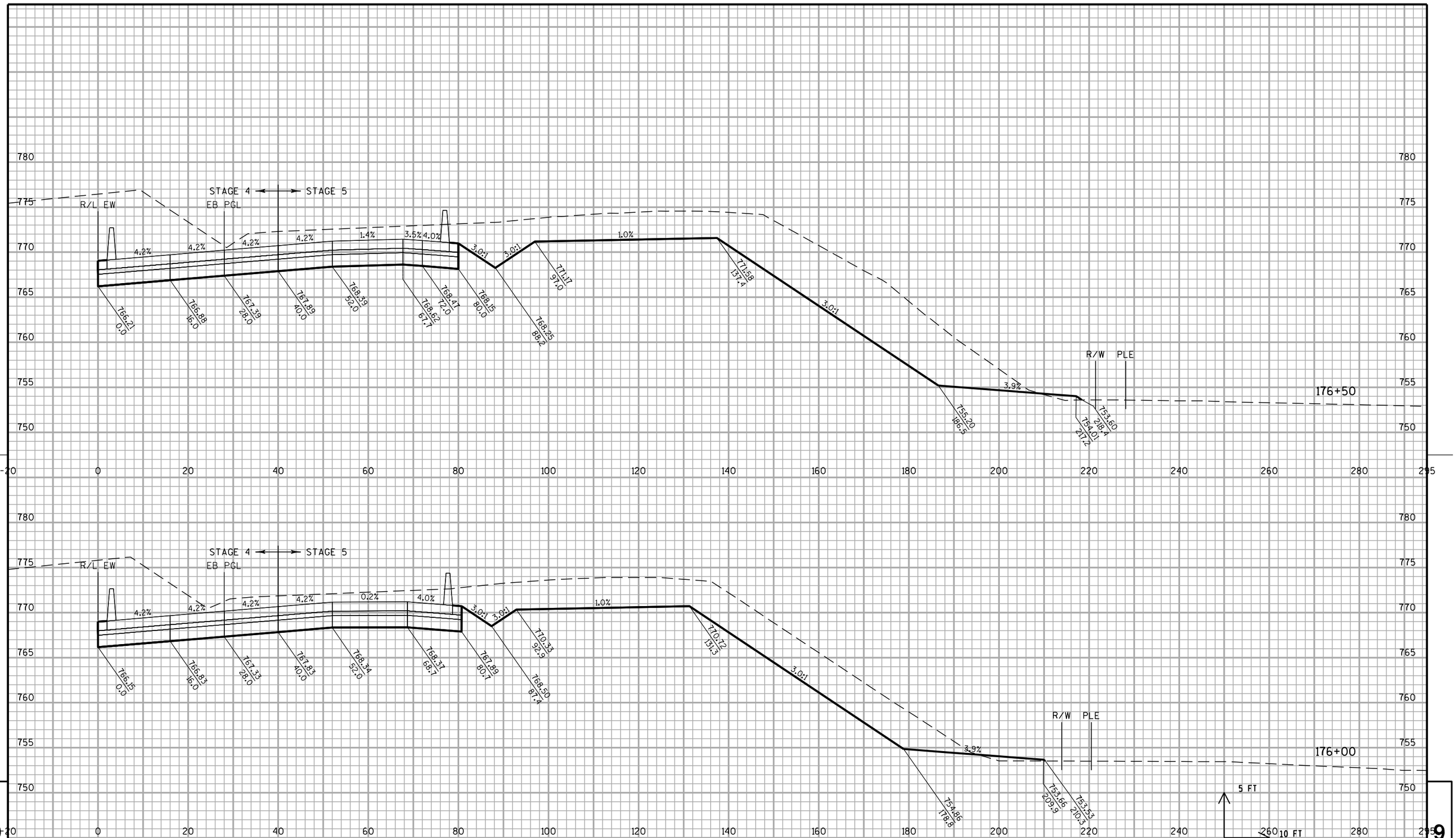
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.pl PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

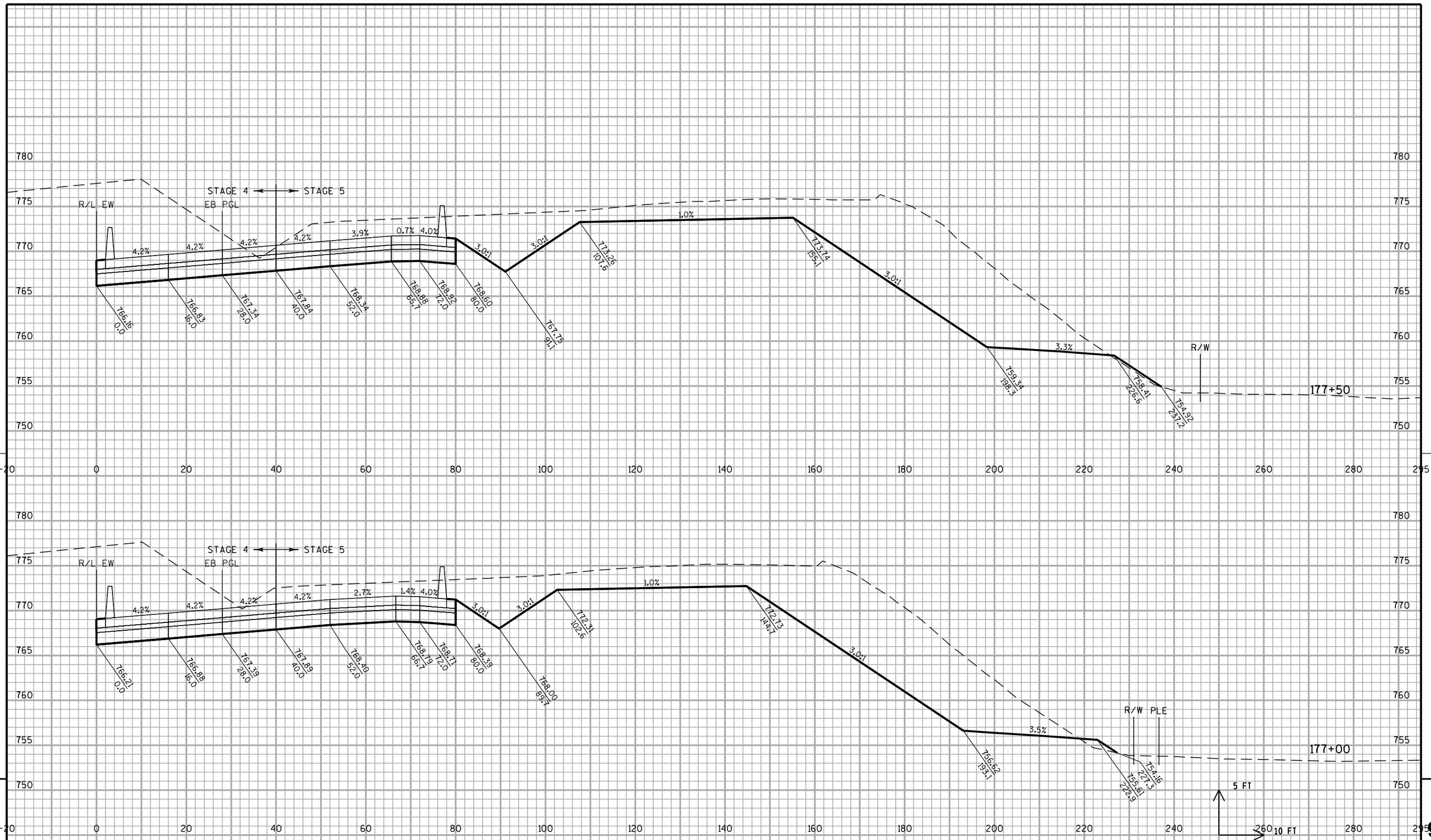
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w8 PLOT SCALE : 20:1



STA 176+00 TO 176+50

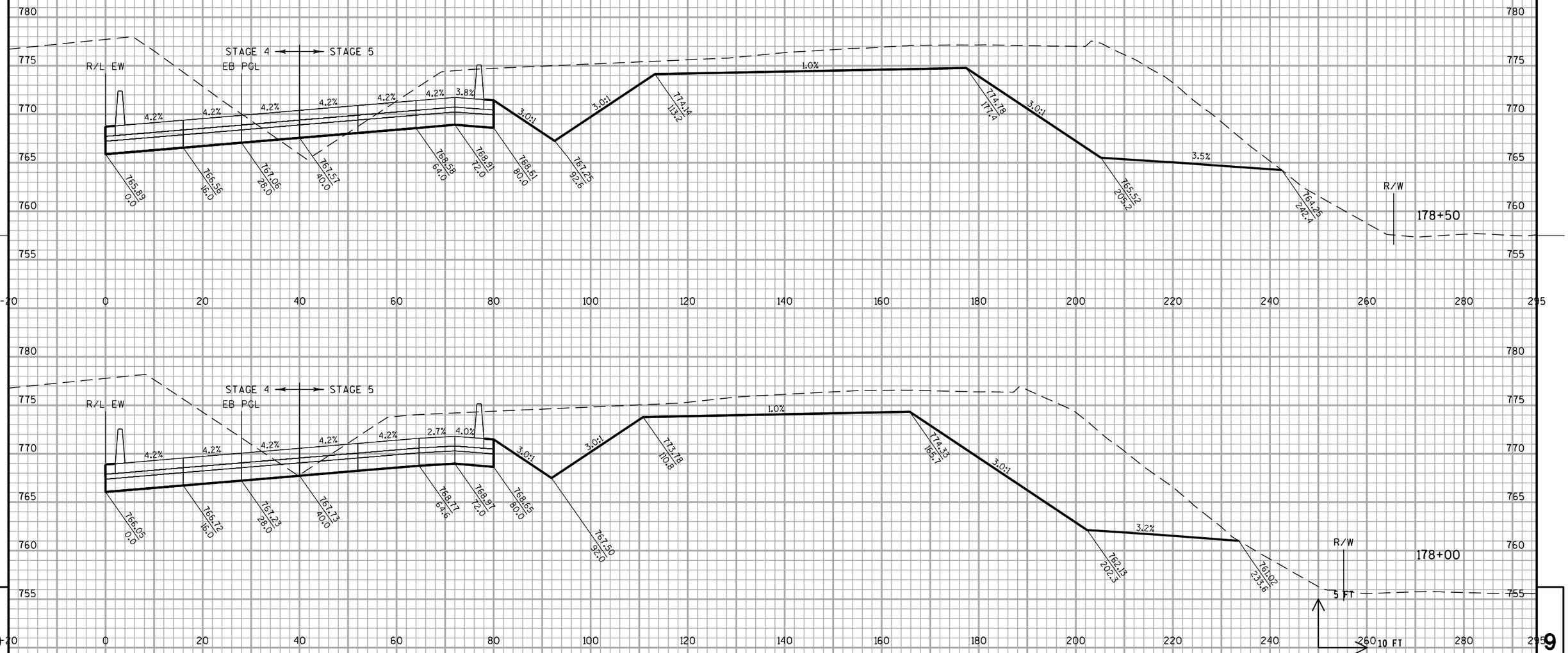
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1



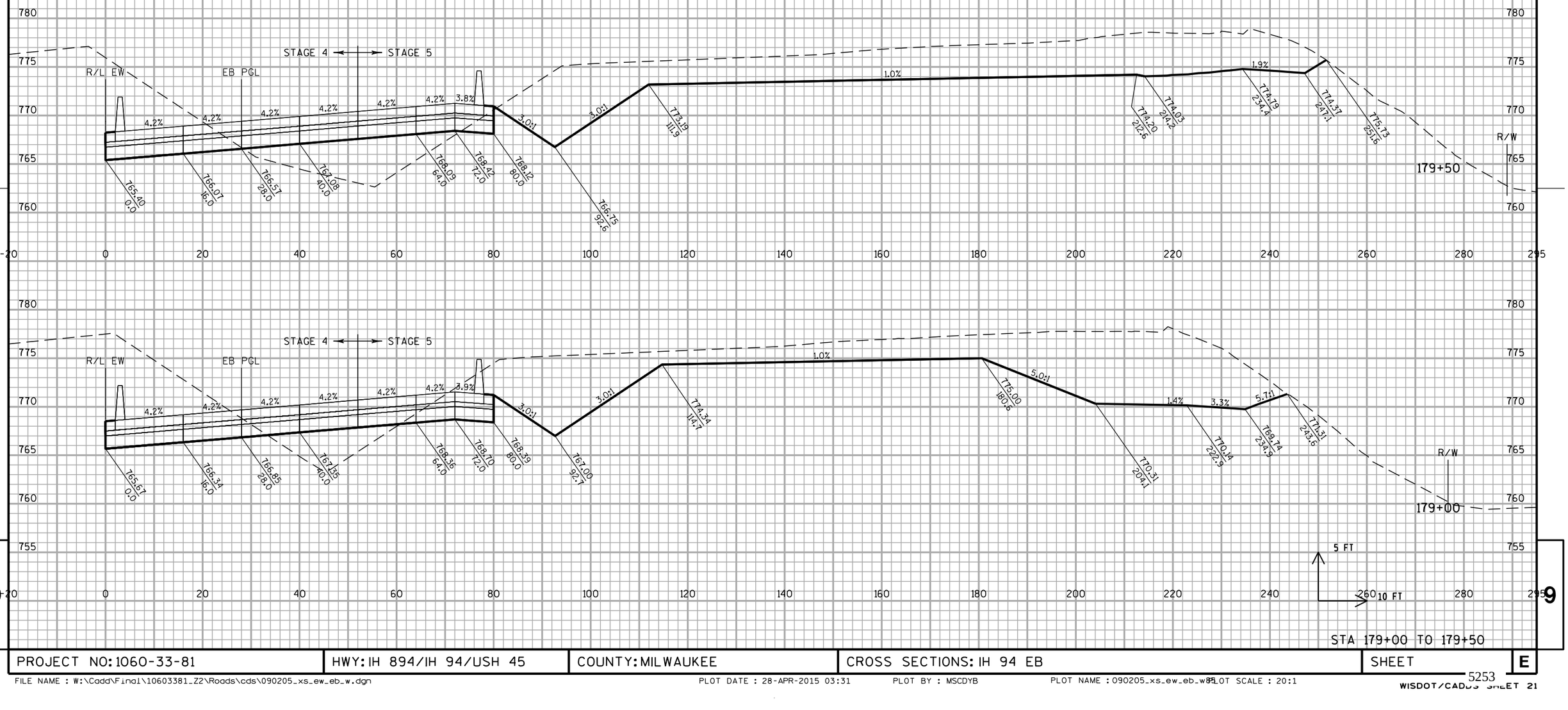
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w81 PLOT SCALE : 20:1



STA 178+00 TO 178+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



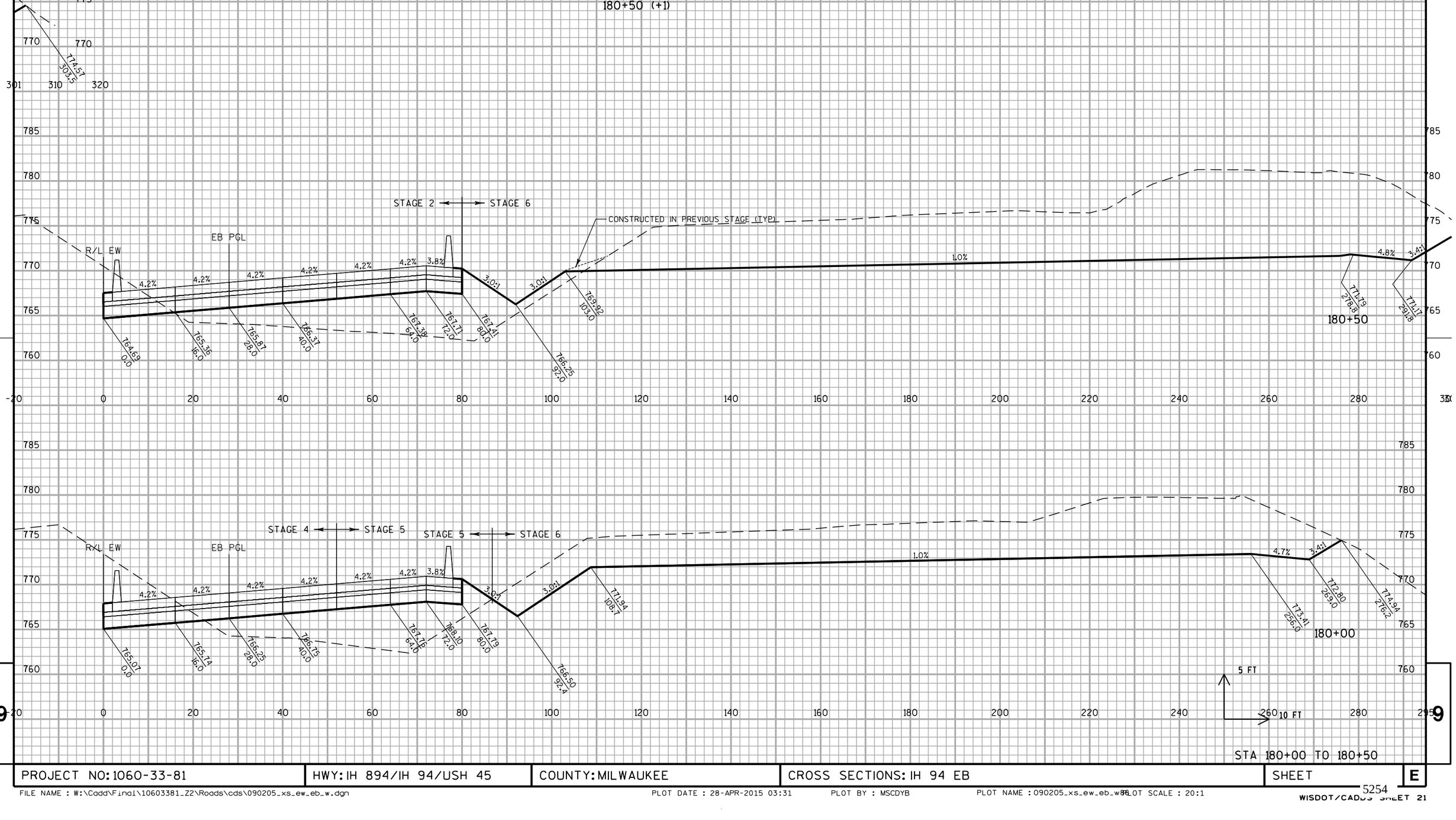
STA 179+00 TO 179+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

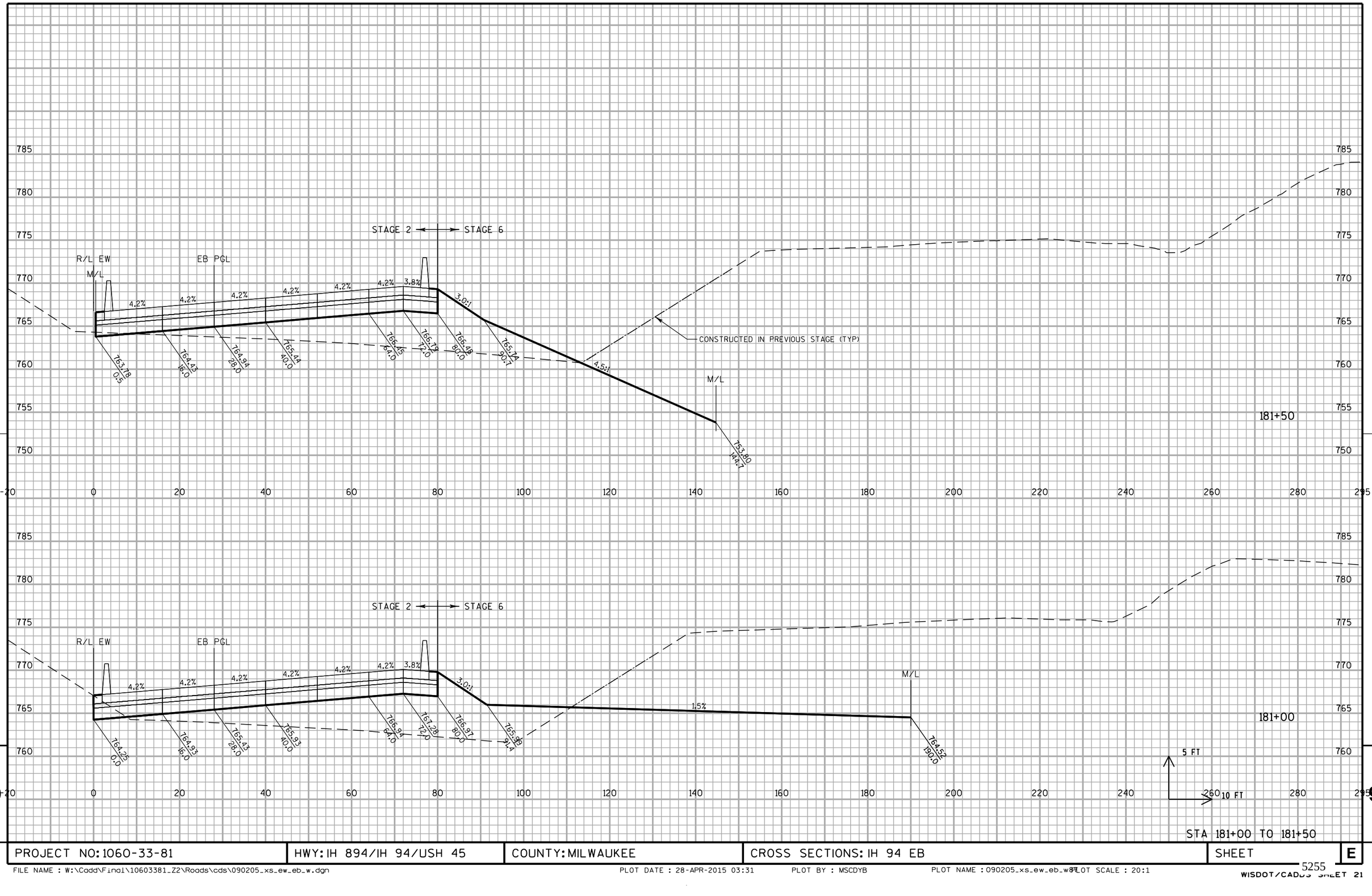
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

STAGE 6

180+50 (+1)

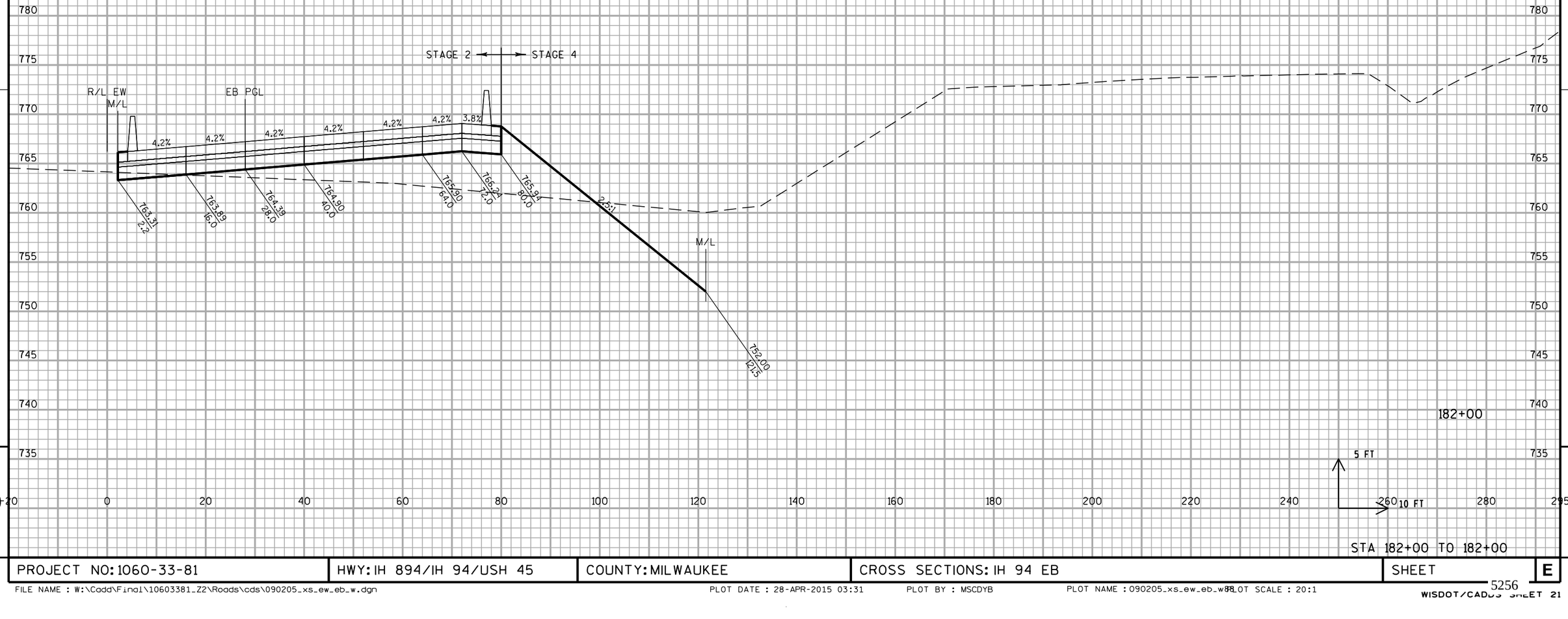


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

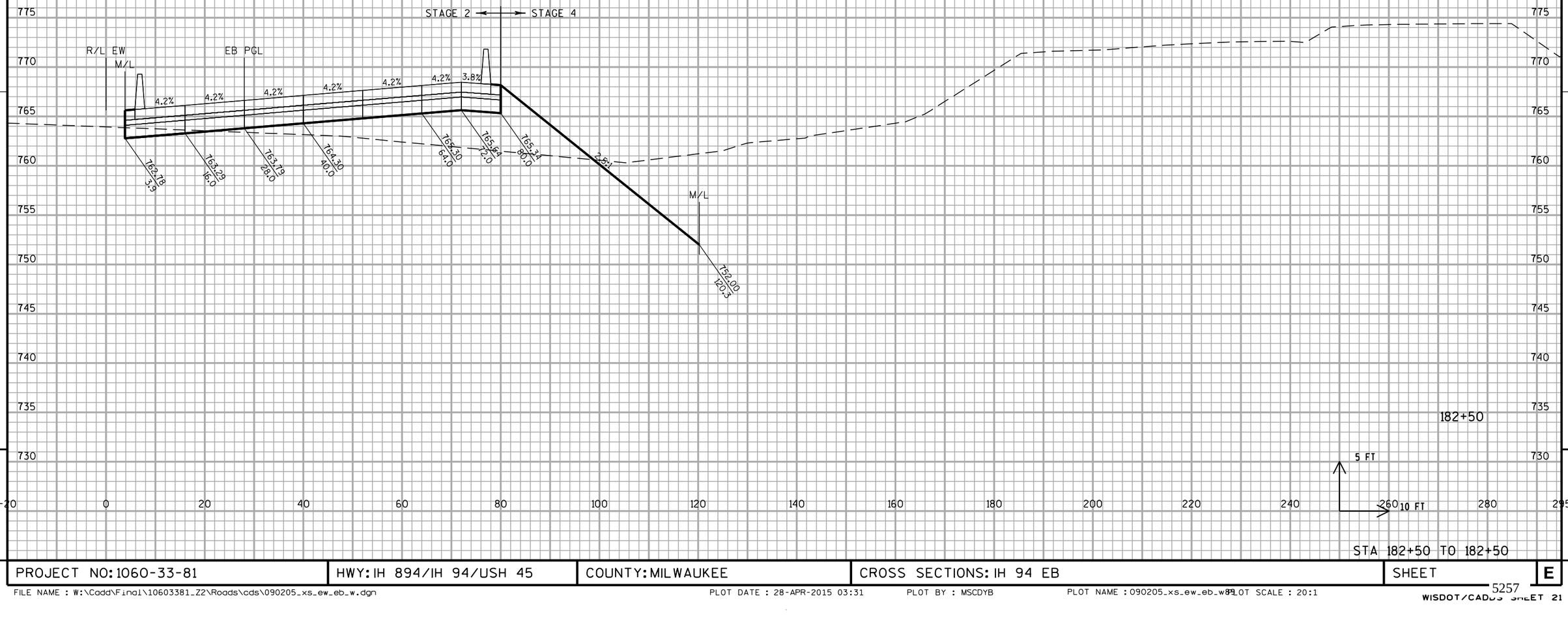
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w.dgn PLOT SCALE : 20:1



STA 182+00 TO 182+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

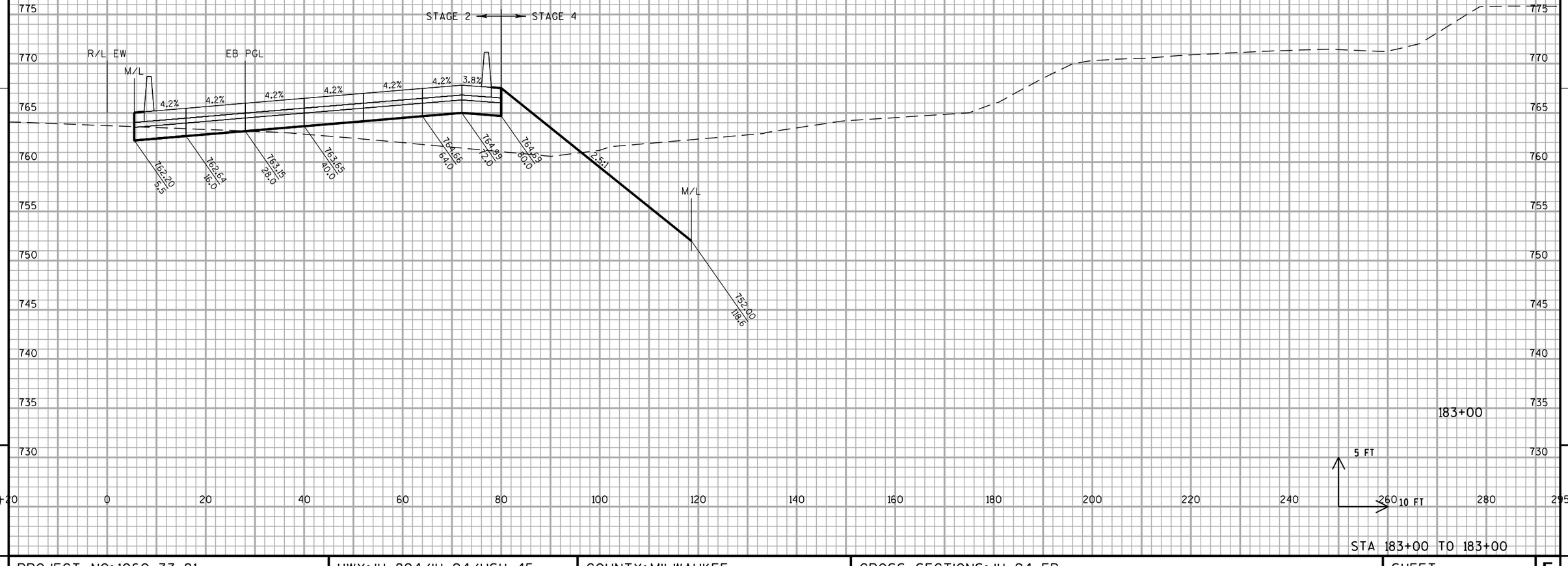


STA 182+50 TO 182+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w89 PLOT SCALE : 20:1

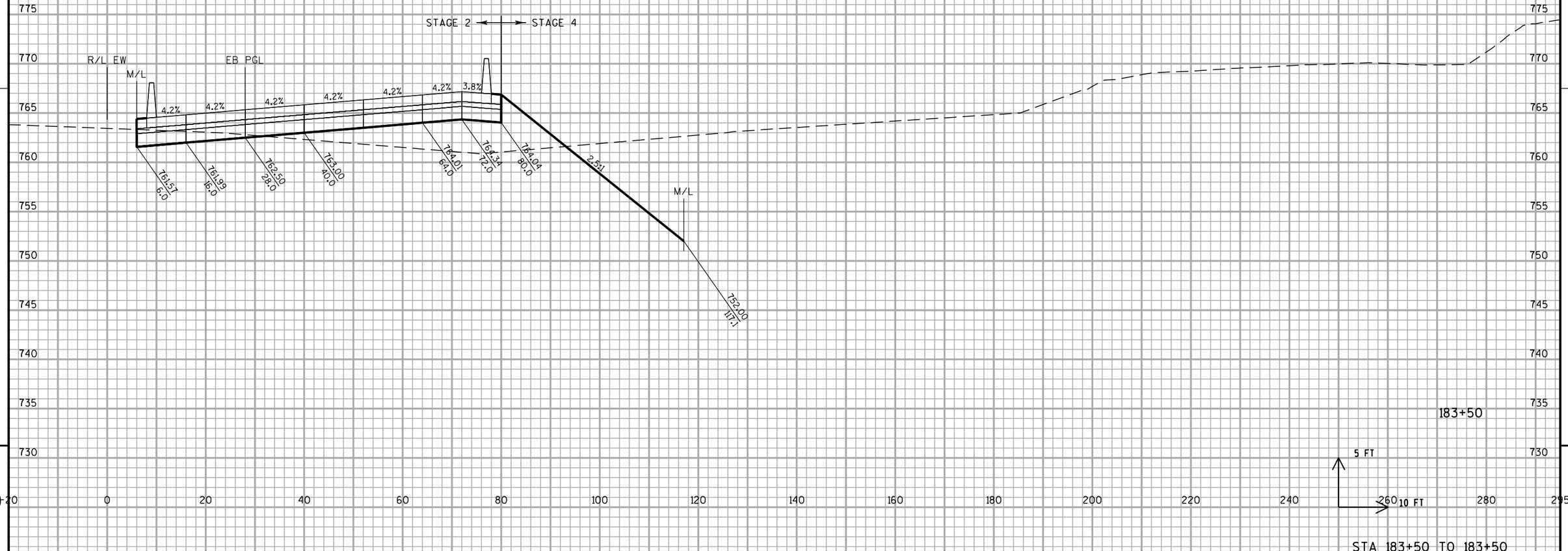
WISDOT/CADDS SHEET 21



STA 183+00 TO 183+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

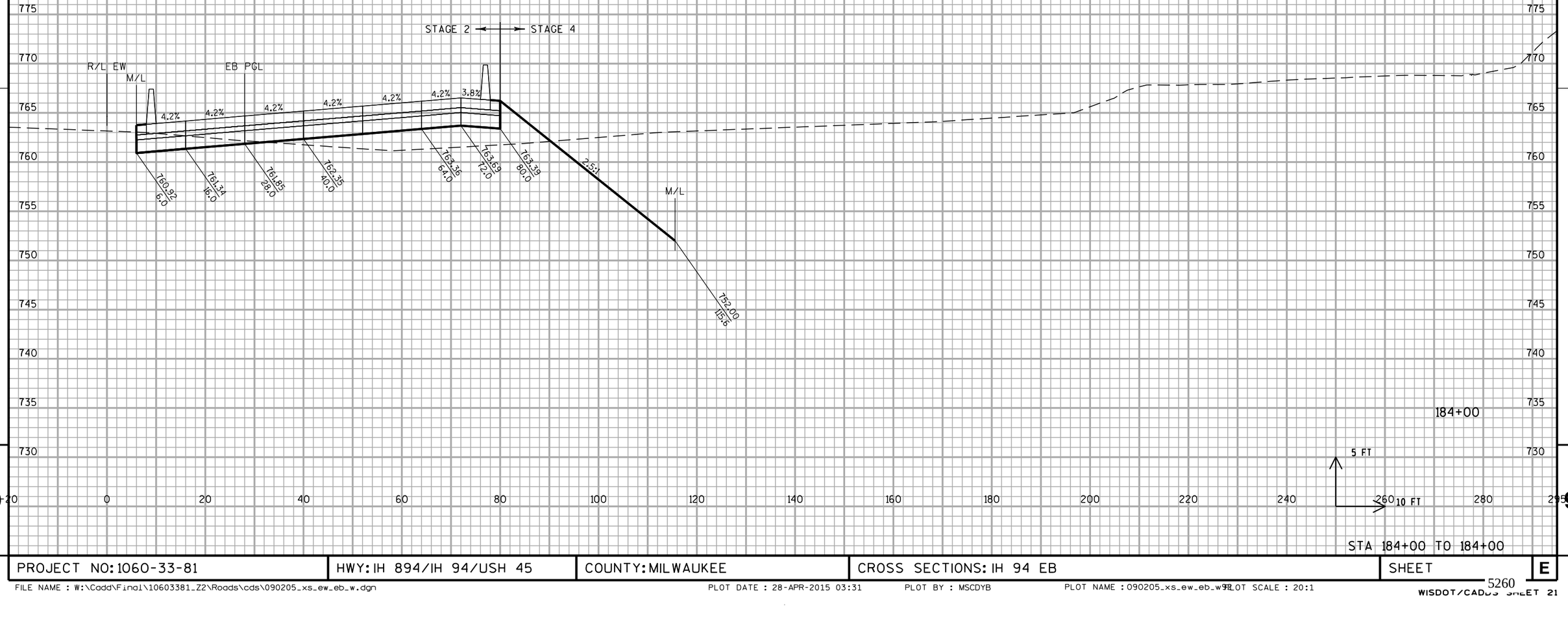
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 183+50 TO 183+50

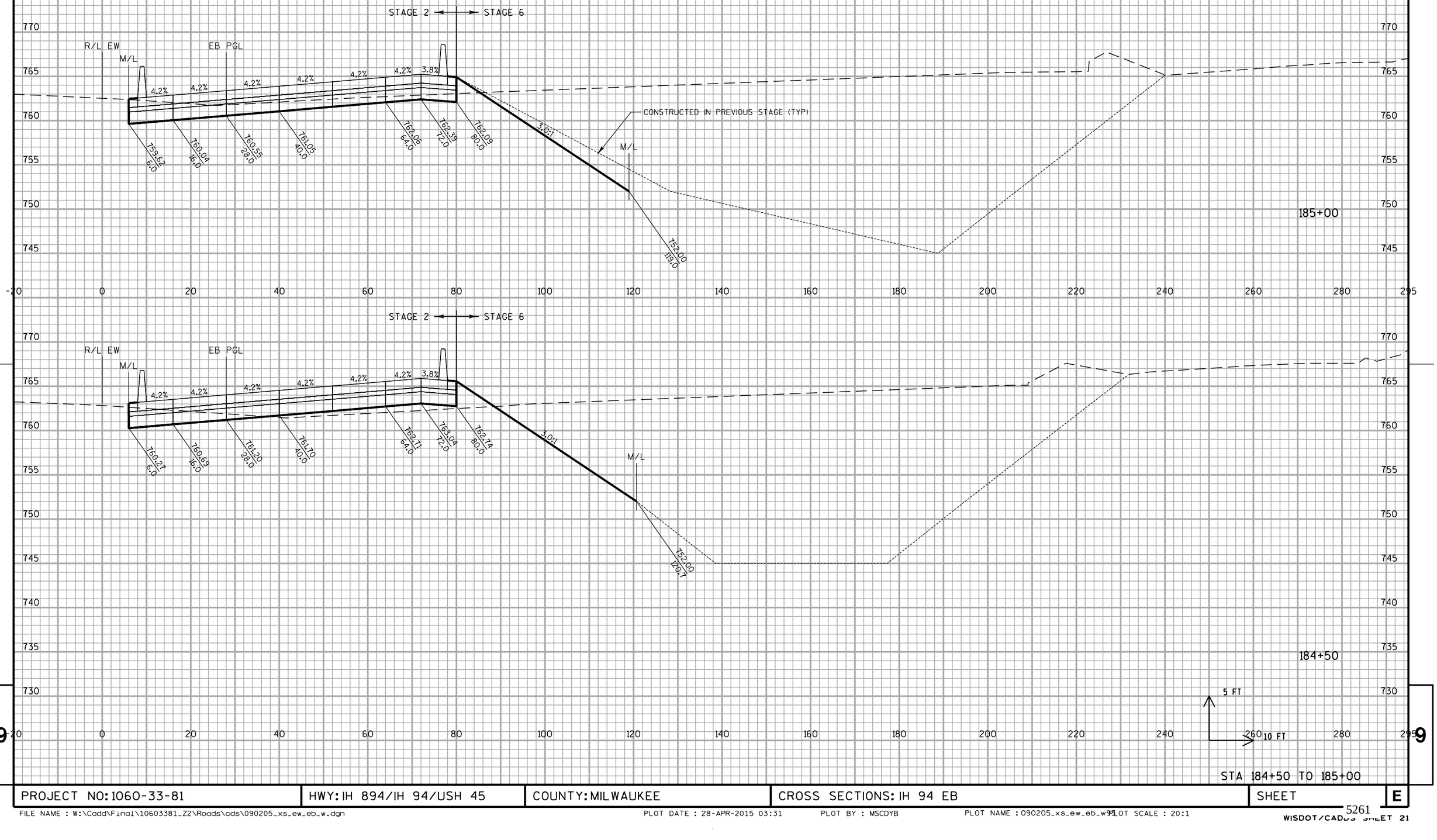
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1



STA 184+00 TO 184+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

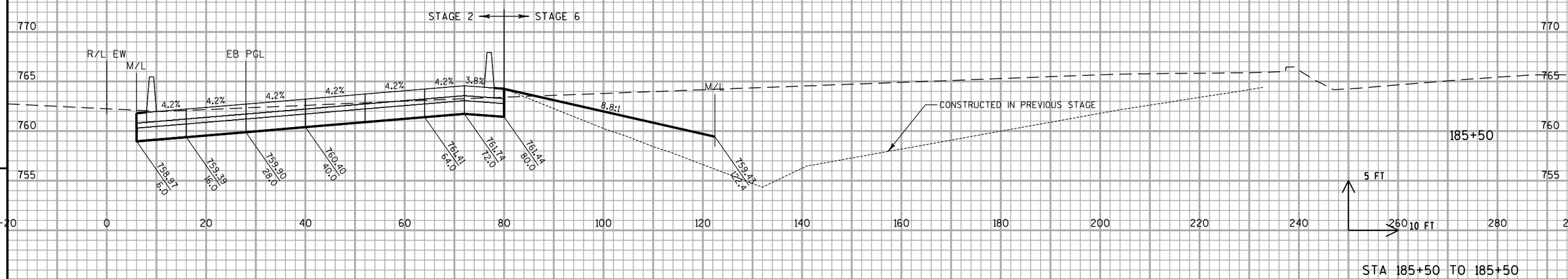


STA 184+50 TO 185+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090205_xs_ew_eb_w.dgn PLOT DATE : 28-APR-2015 03:31 PLOT BY : MSCDYB PLOT NAME : 090205_xs_ew_eb_w PLOT SCALE : 20:1

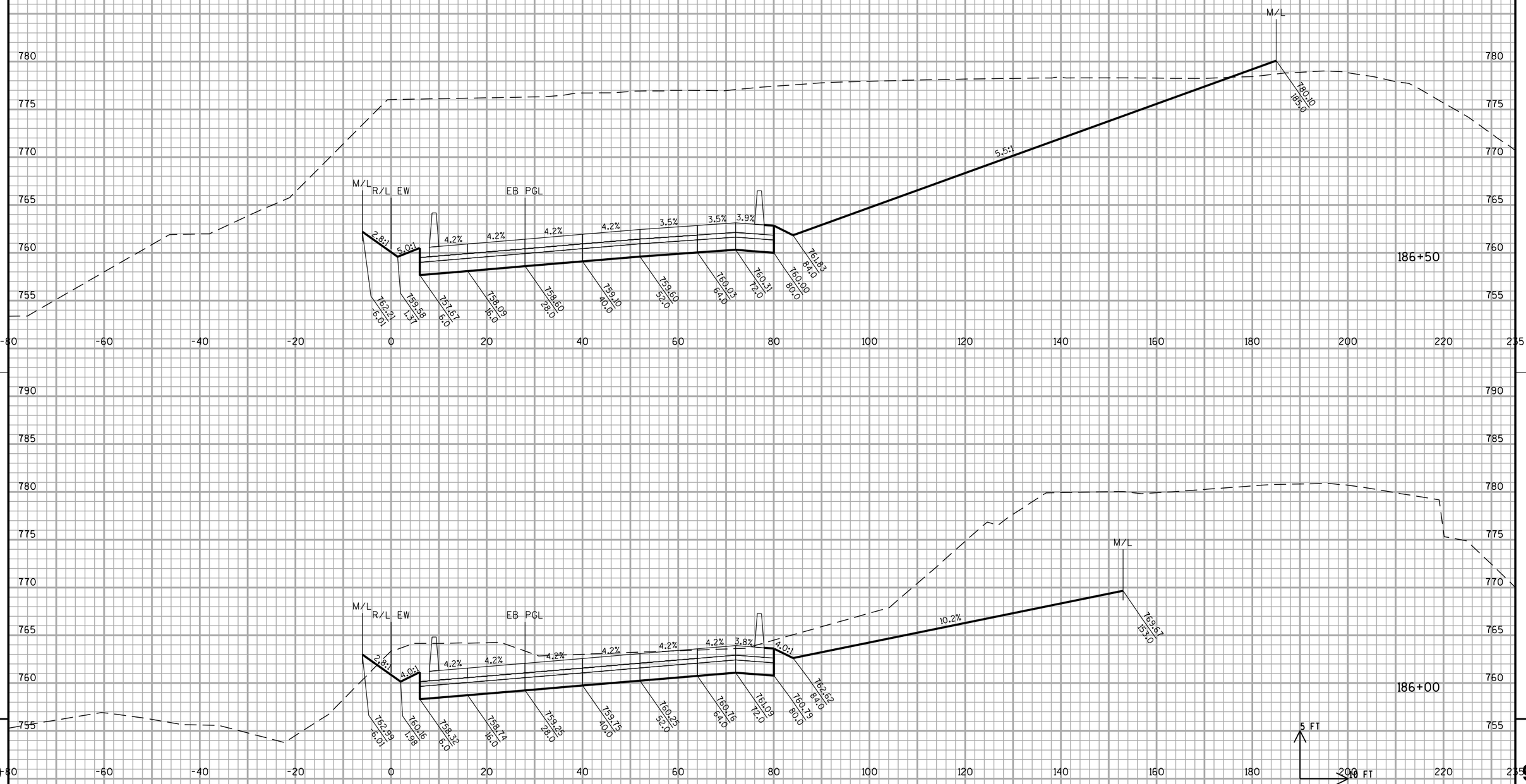
WISDOT/CADDS SHEET 21



STA 185+50 TO 185+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 2

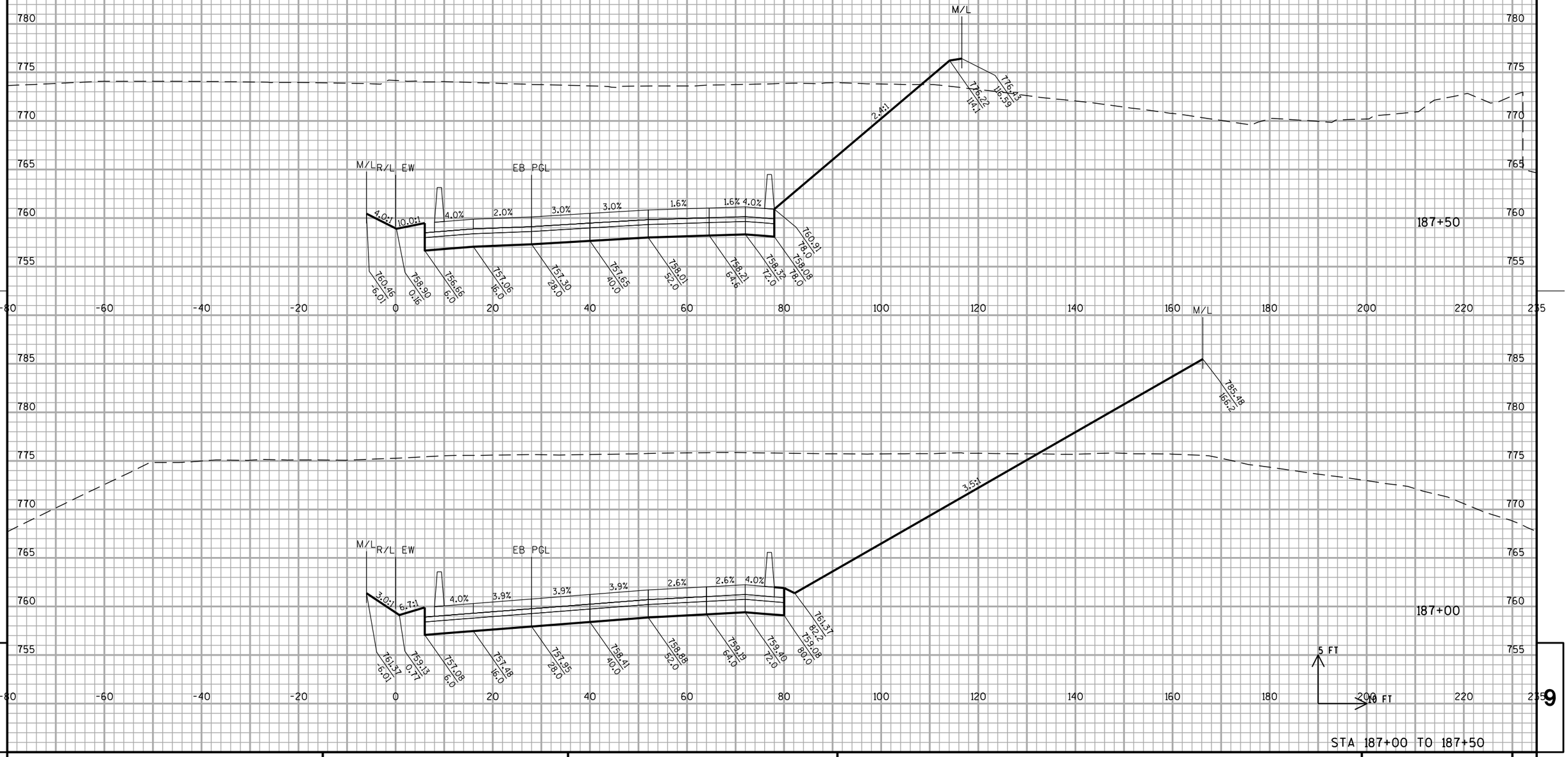


STA 186+00 TO 186+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

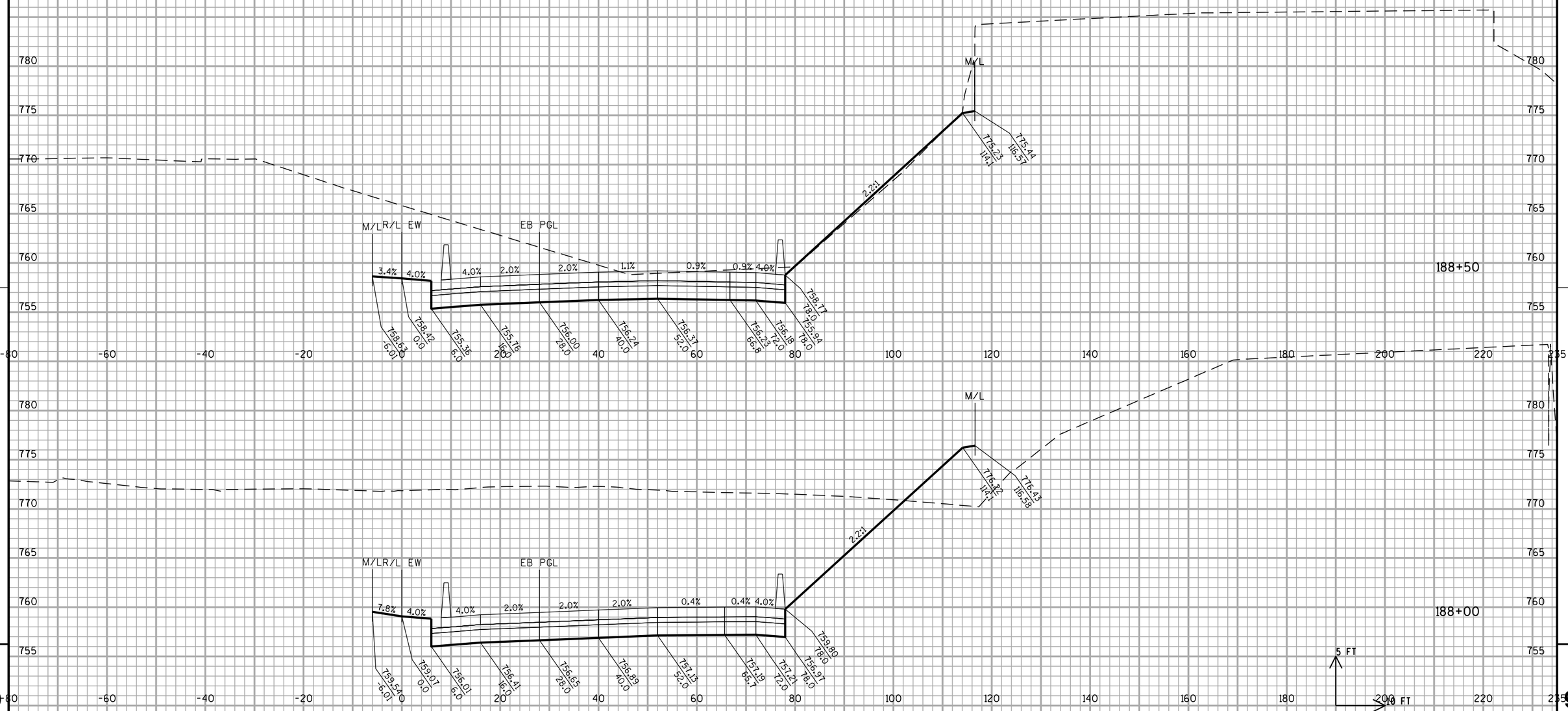
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e1PLOT SCALE : 20:1

ALL WORK STAGE 2

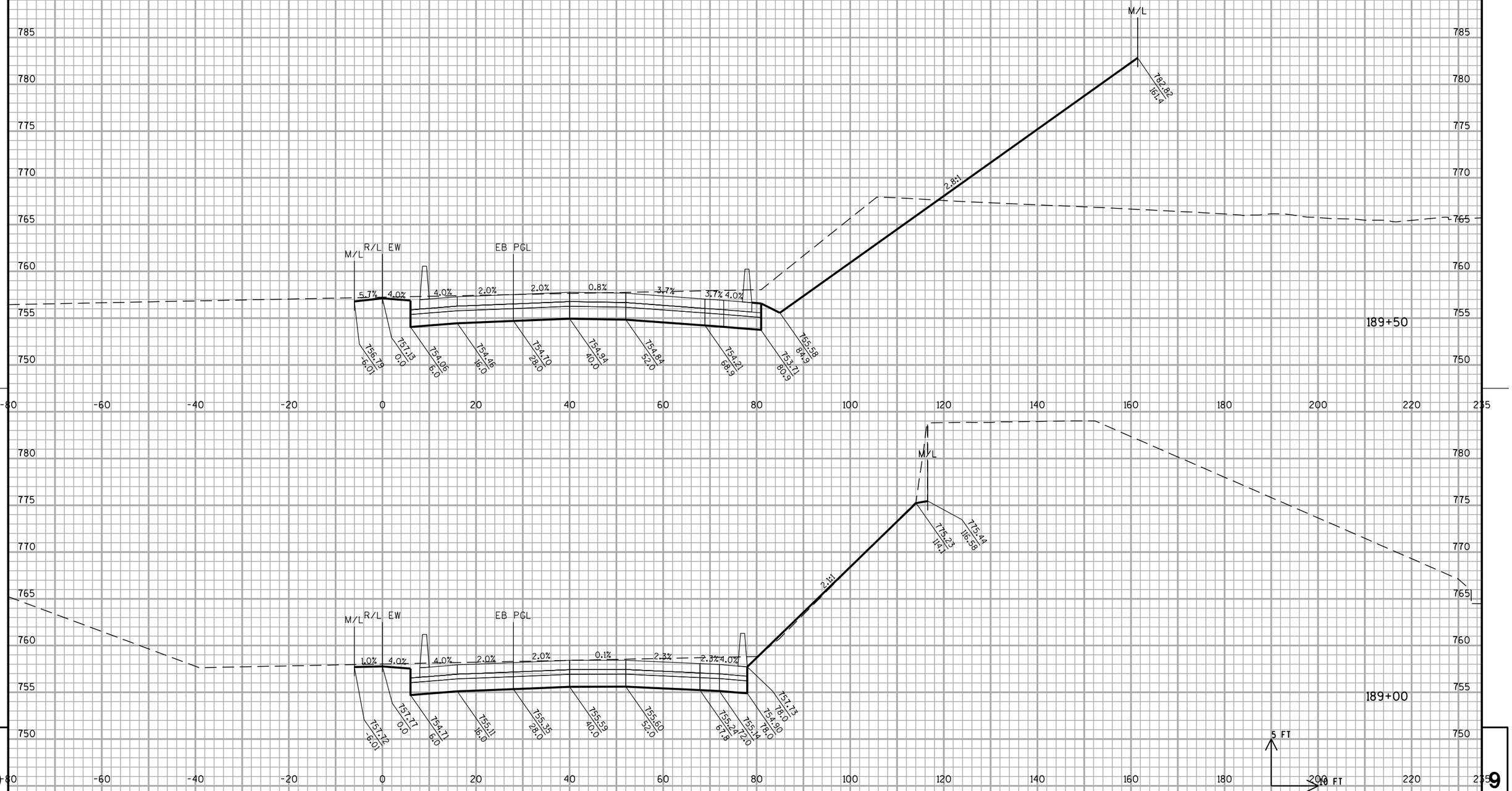


STA 188+00 TO 188+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e2 PLOT SCALE : 20:1

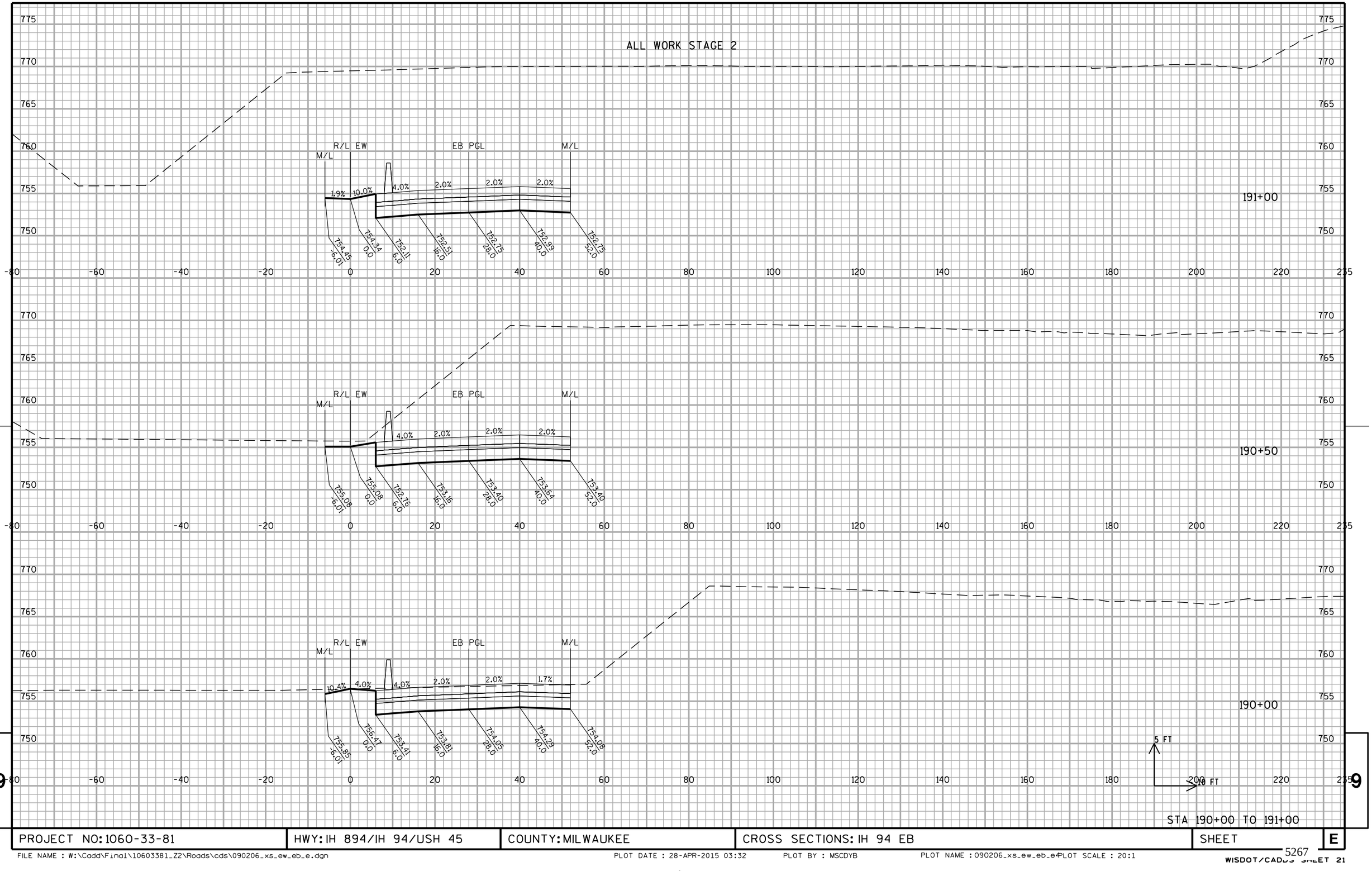
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e3 PLOT SCALE : 20:1

ALL WORK STAGE 2

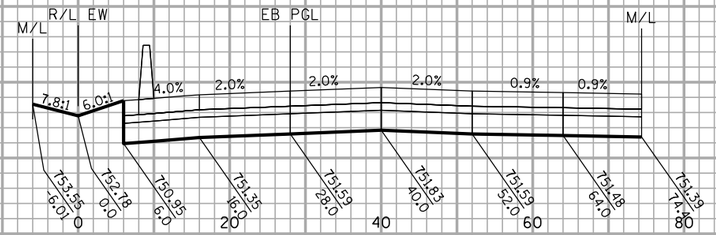


STA 190+00 TO 191+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e4PLOT SCALE : 20:1

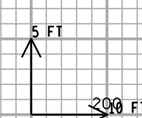
ALL WORK STAGE 2



192+00



191+50

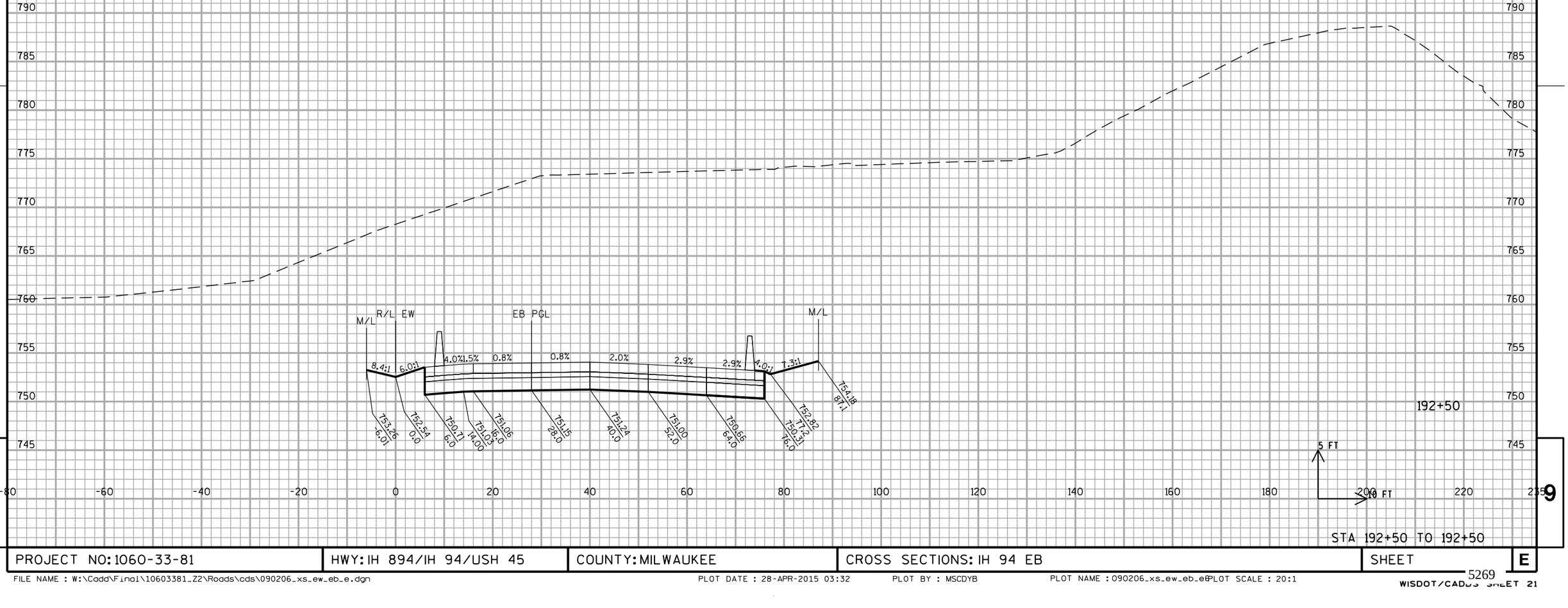


STA 191+50 TO 192+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

ALL WORK STAGE 4

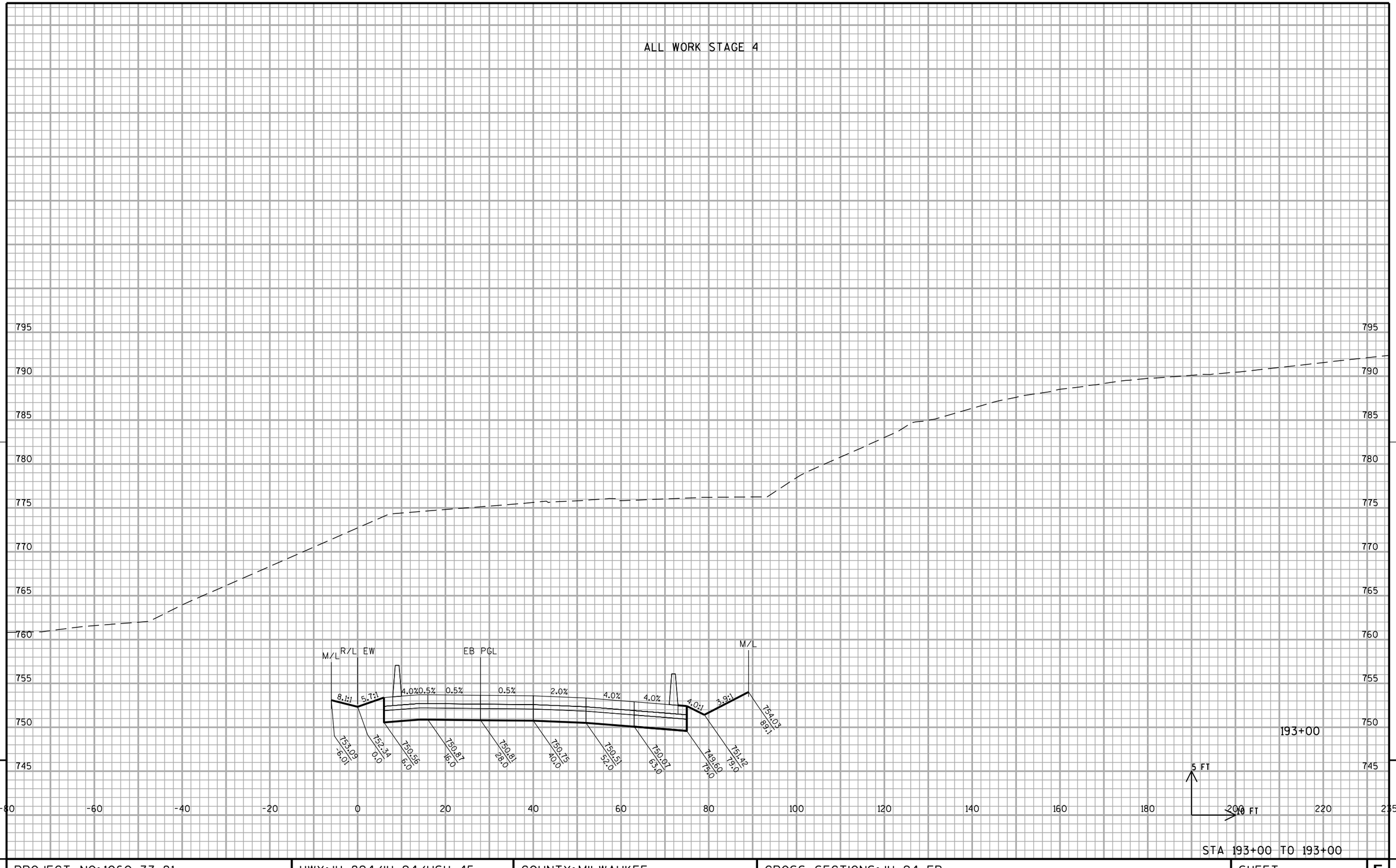


STA 192+50 TO 192+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

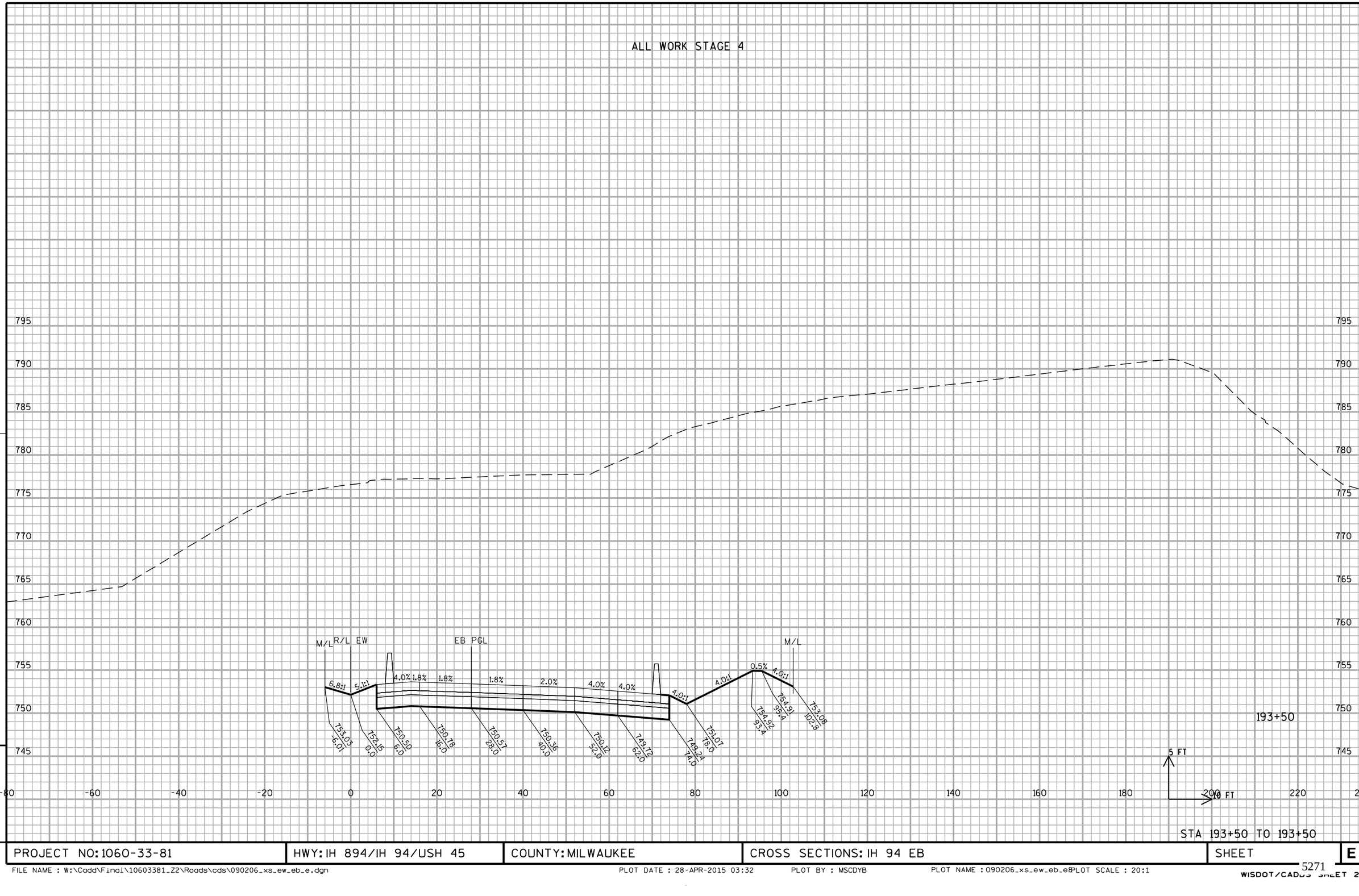
ALL WORK STAGE 4



STA 193+00 TO 193+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 4



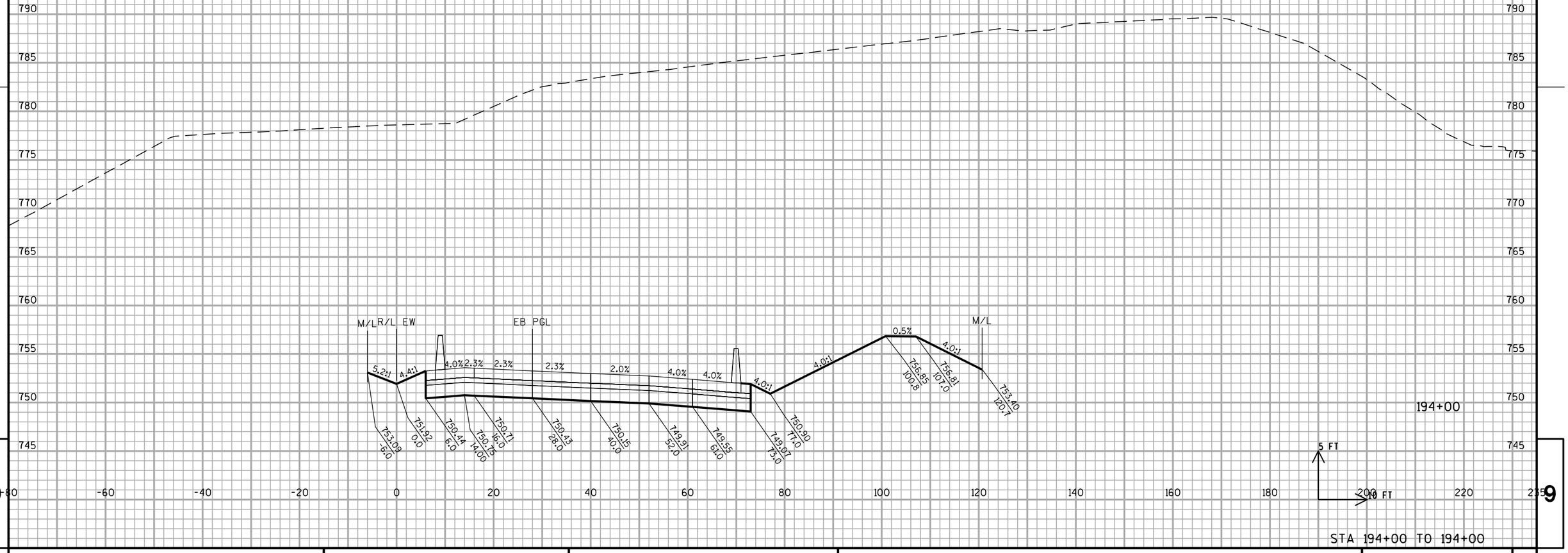
9

9

STA 193+50 TO 193+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 4

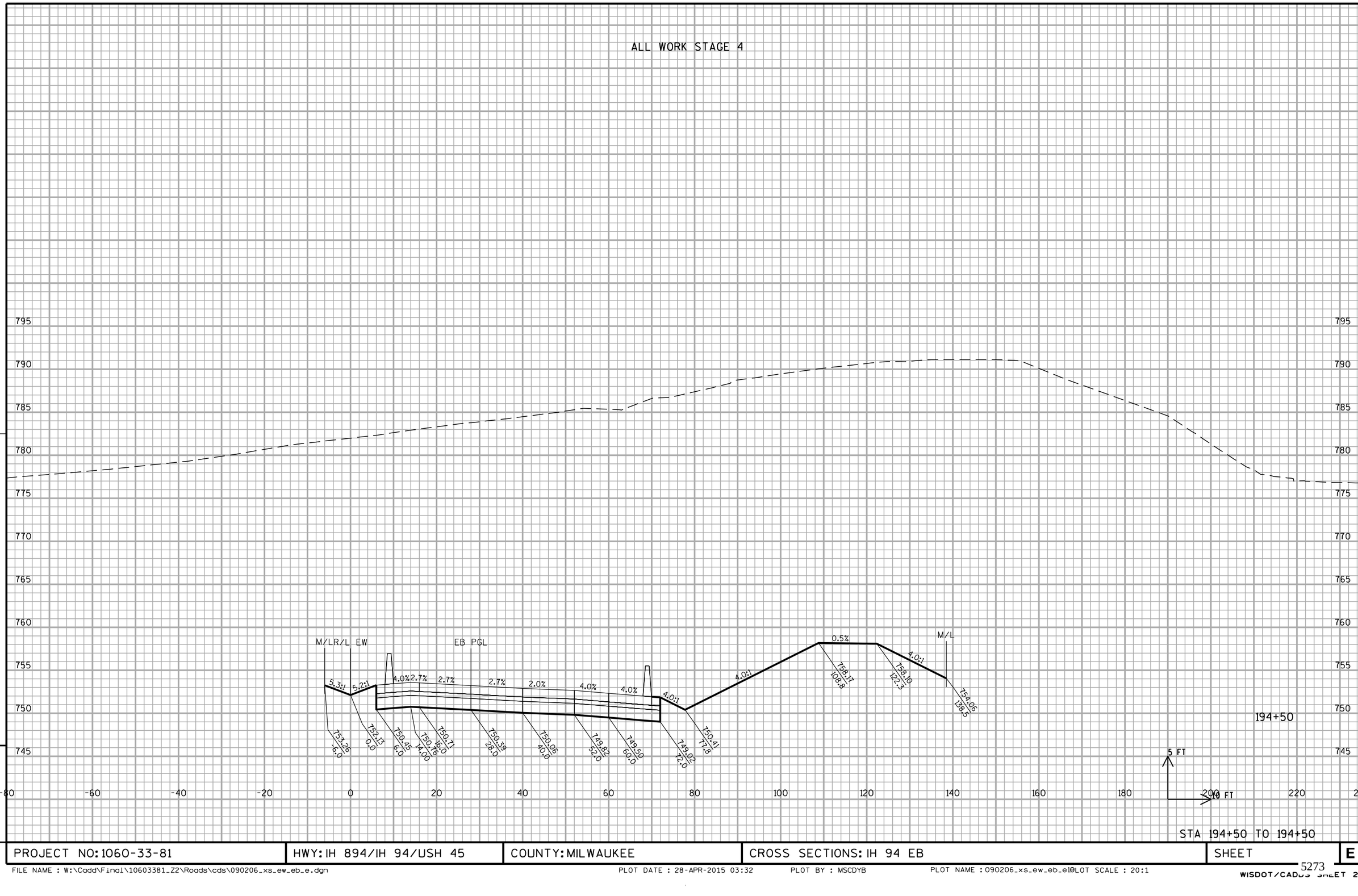


STA 194+00 TO 194+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

ALL WORK STAGE 4

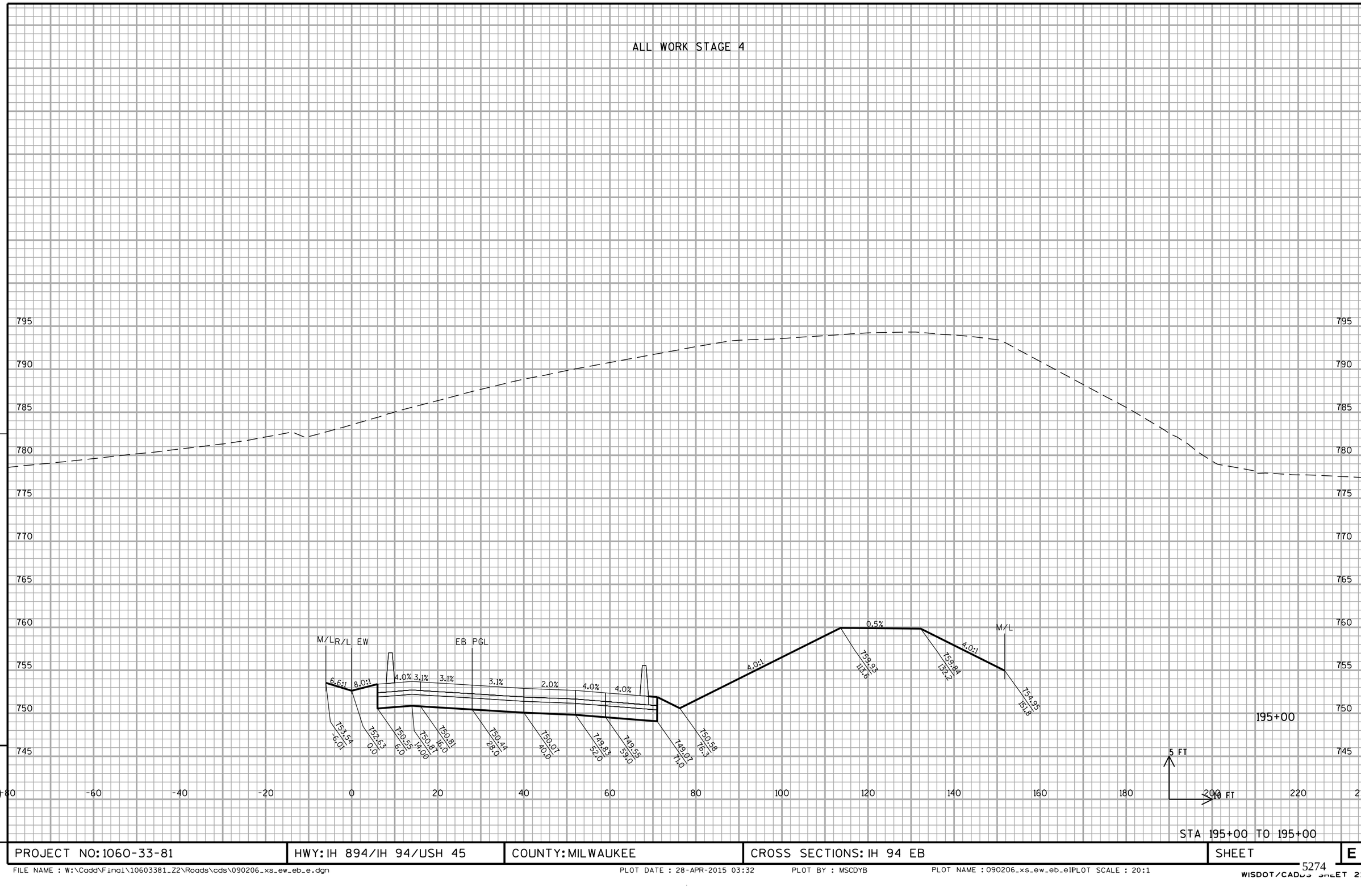


STA 194+50 TO 194+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e1 PLOT SCALE : 20:1

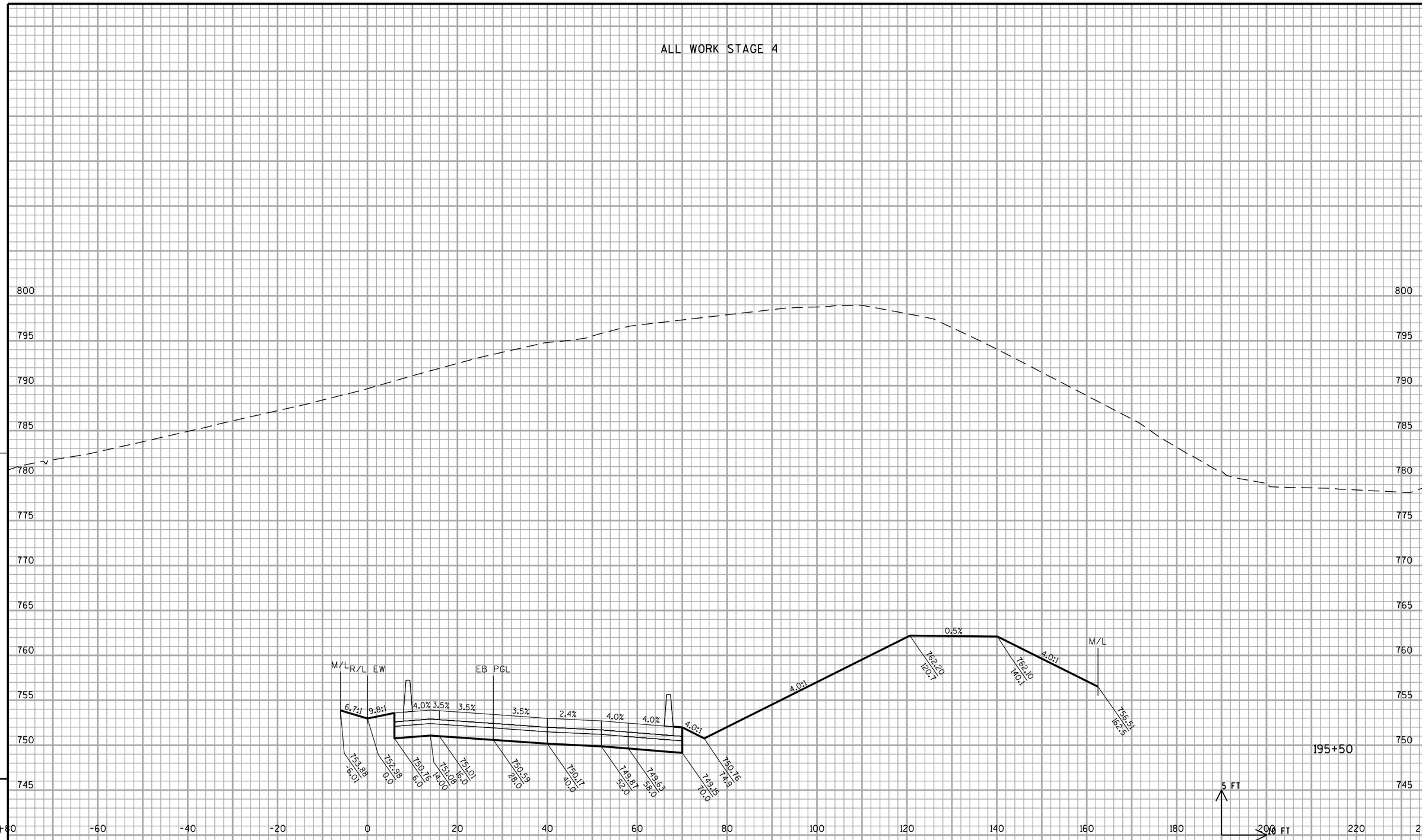
ALL WORK STAGE 4



STA 195+00 TO 195+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

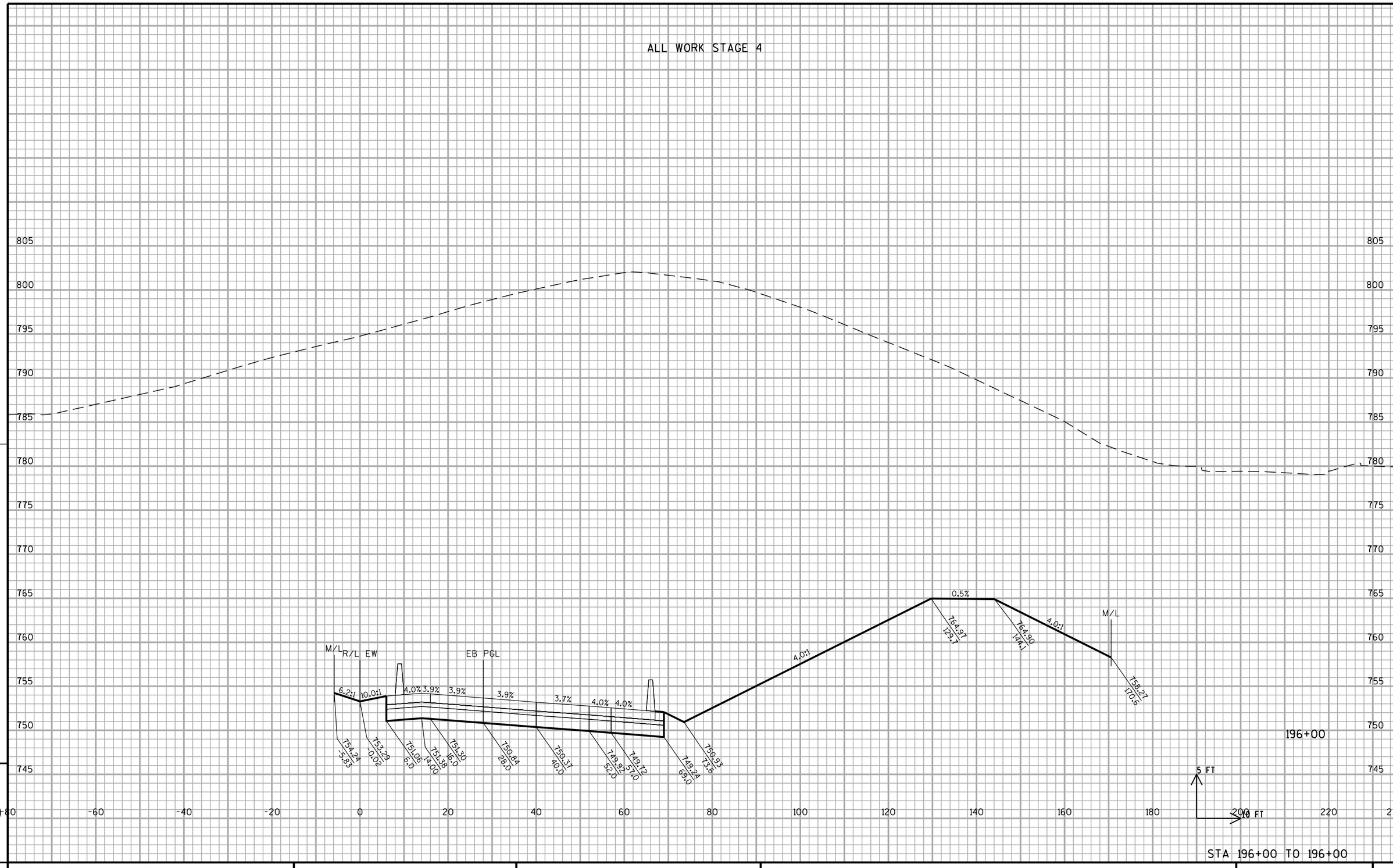
ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 195+50 TO 195+50

ALL WORK STAGE 4

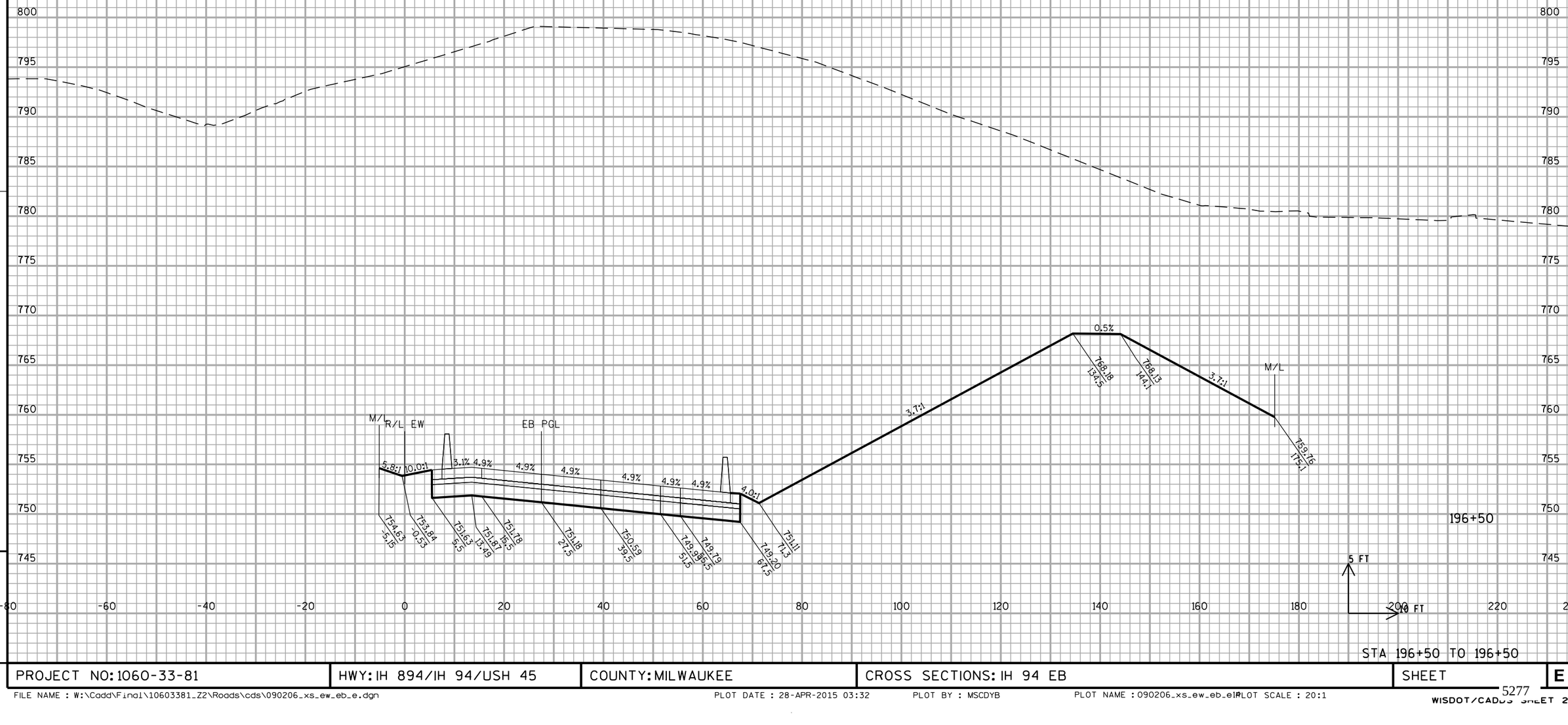


STA 196+00 TO 196+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e1 PLOT SCALE : 20:1

ALL WORK STAGE 3

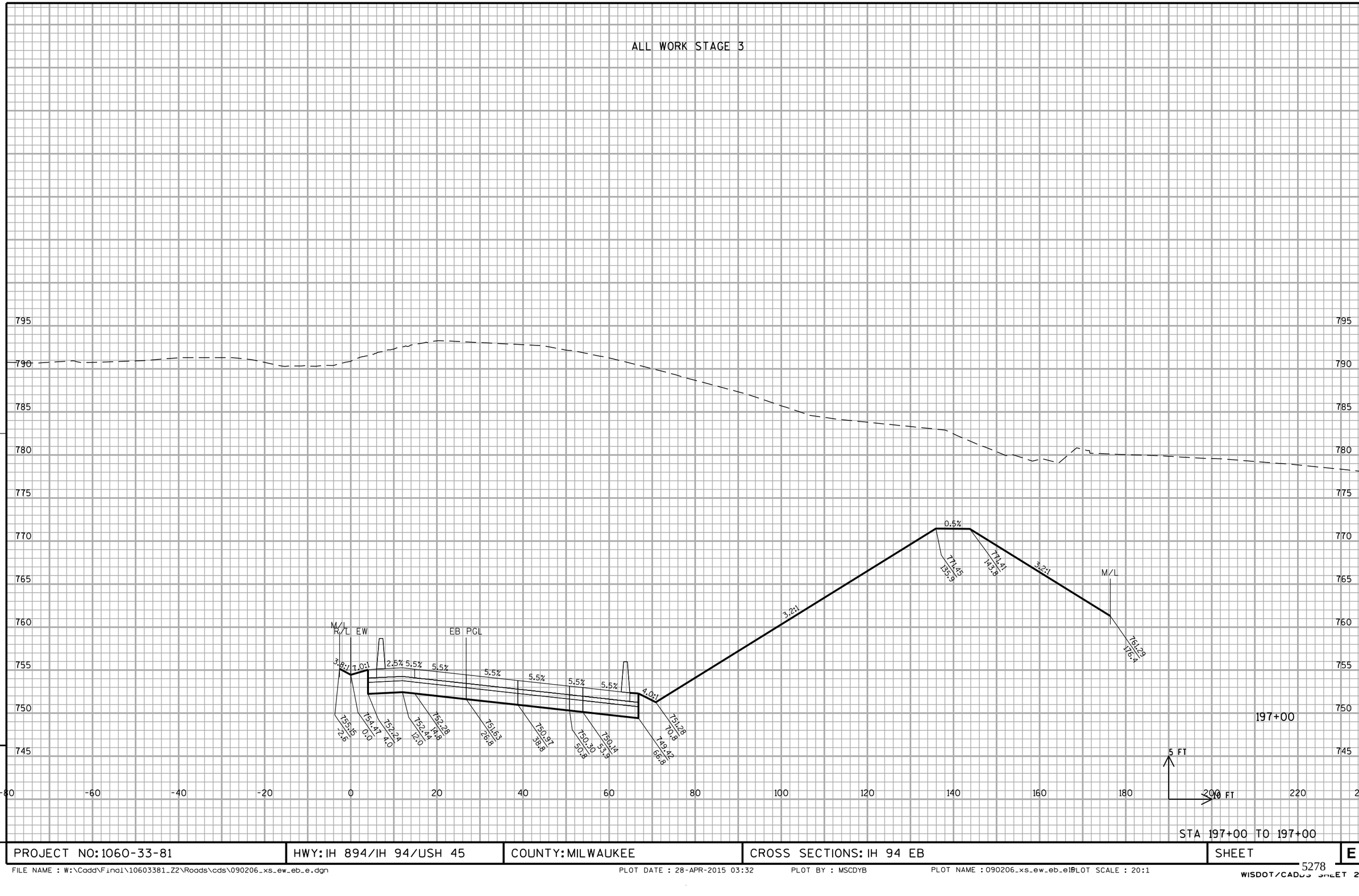


STA 196+50 TO 196+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e.pl PLOT SCALE : 20:1

ALL WORK STAGE 3

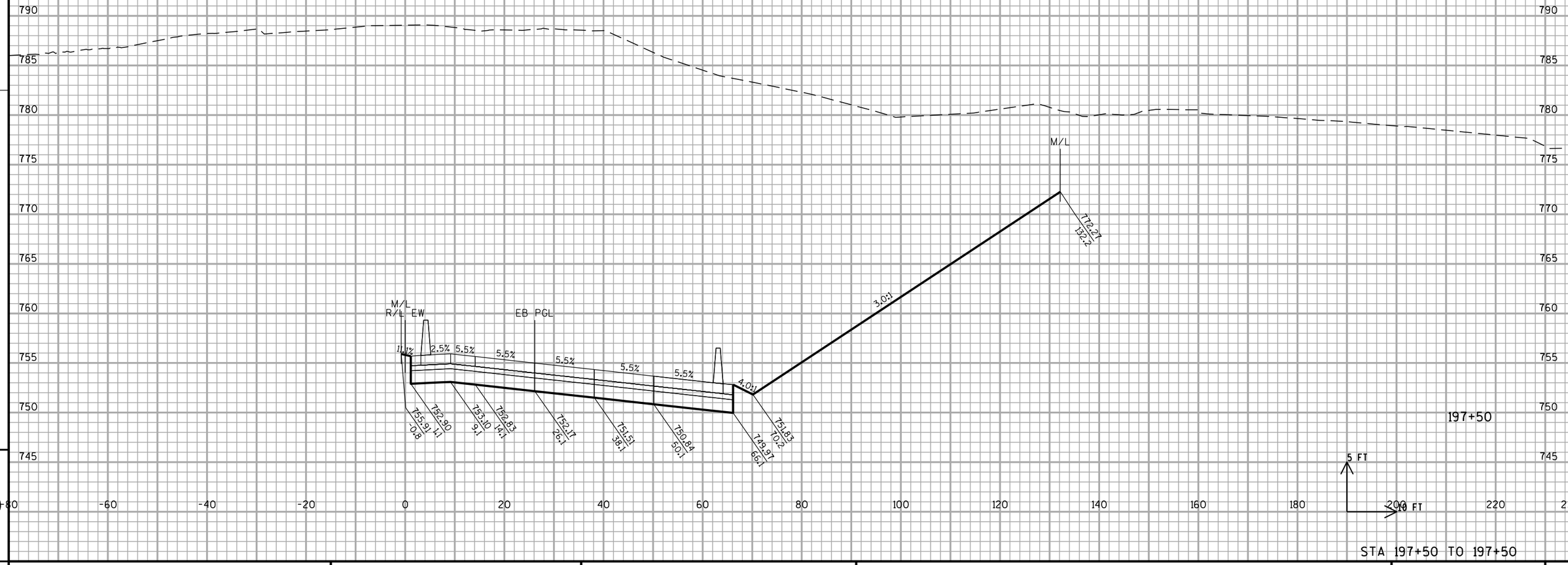


9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 197+00 TO 197+00

ALL WORK STAGE 3

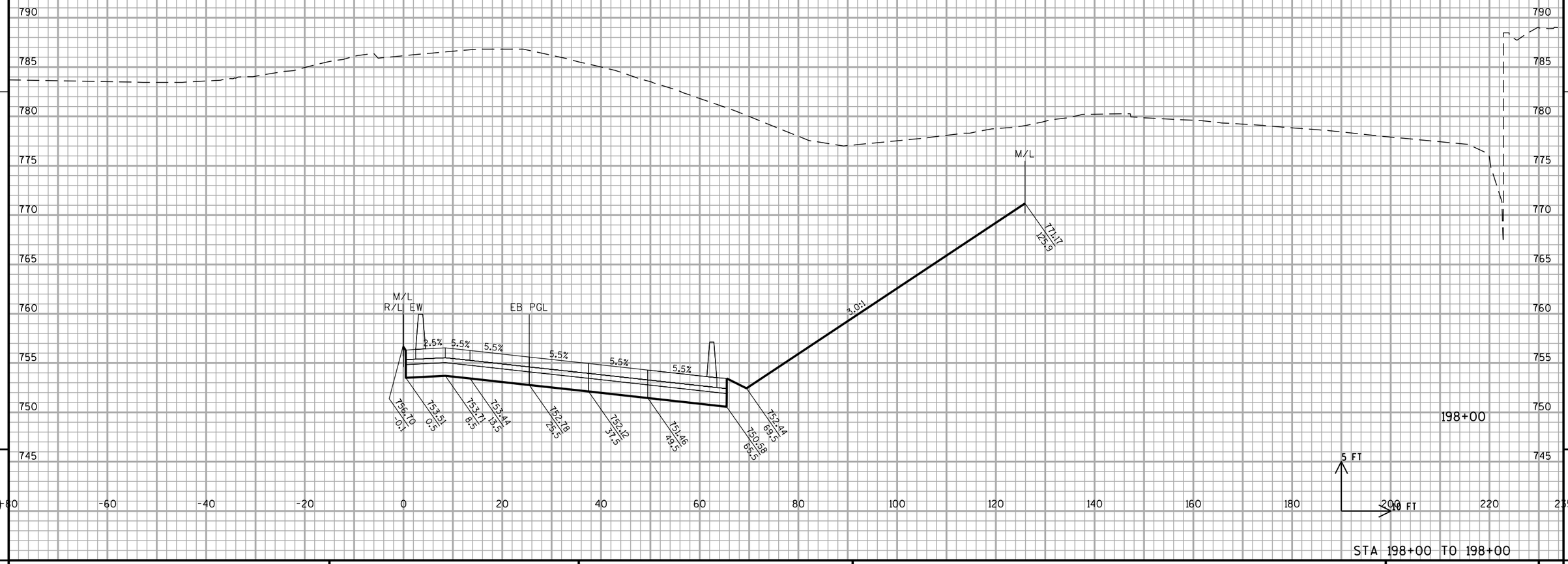


STA 197+50 TO 197+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e1 PLOT SCALE : 20:1

ALL WORK STAGE 3

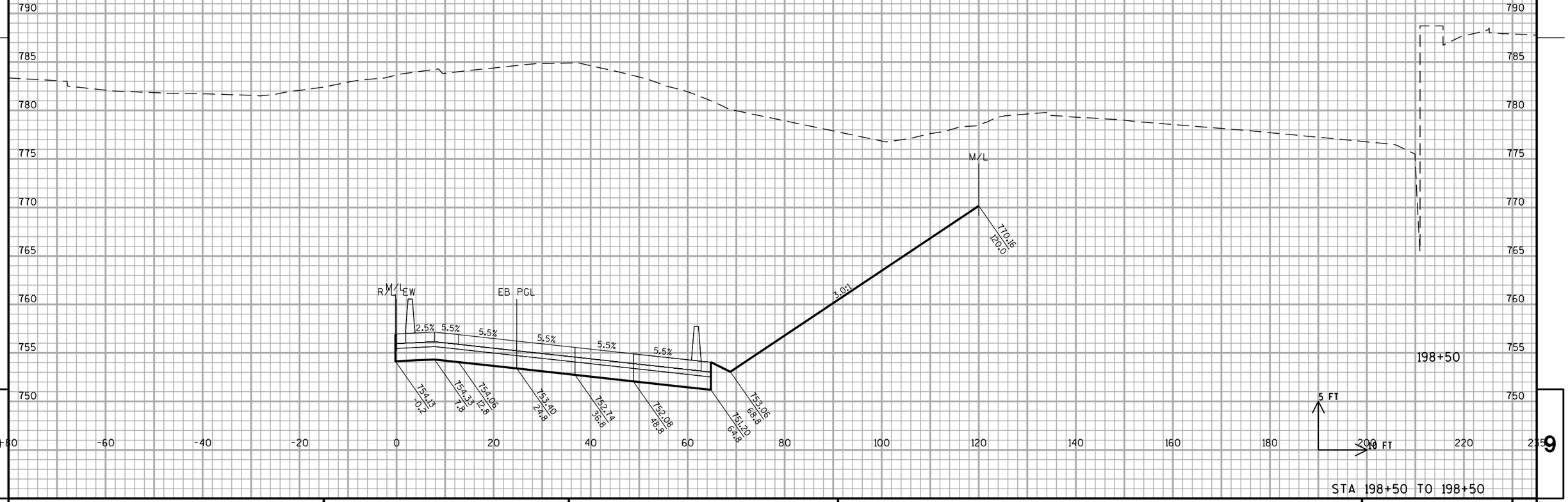


STA 198+00 TO 198+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

ALL WORK STAGE 3



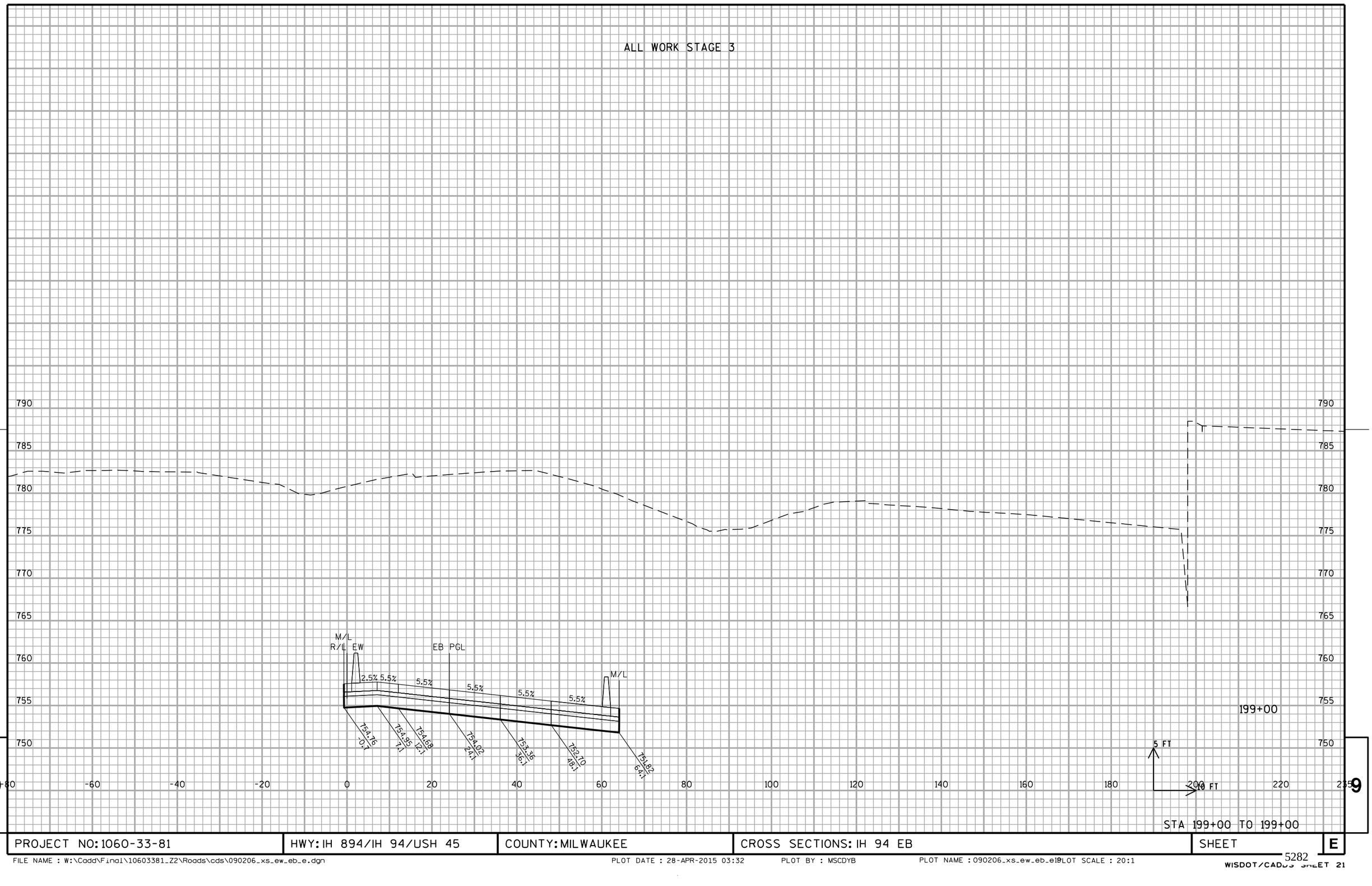
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

STA 198+50 TO 198+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

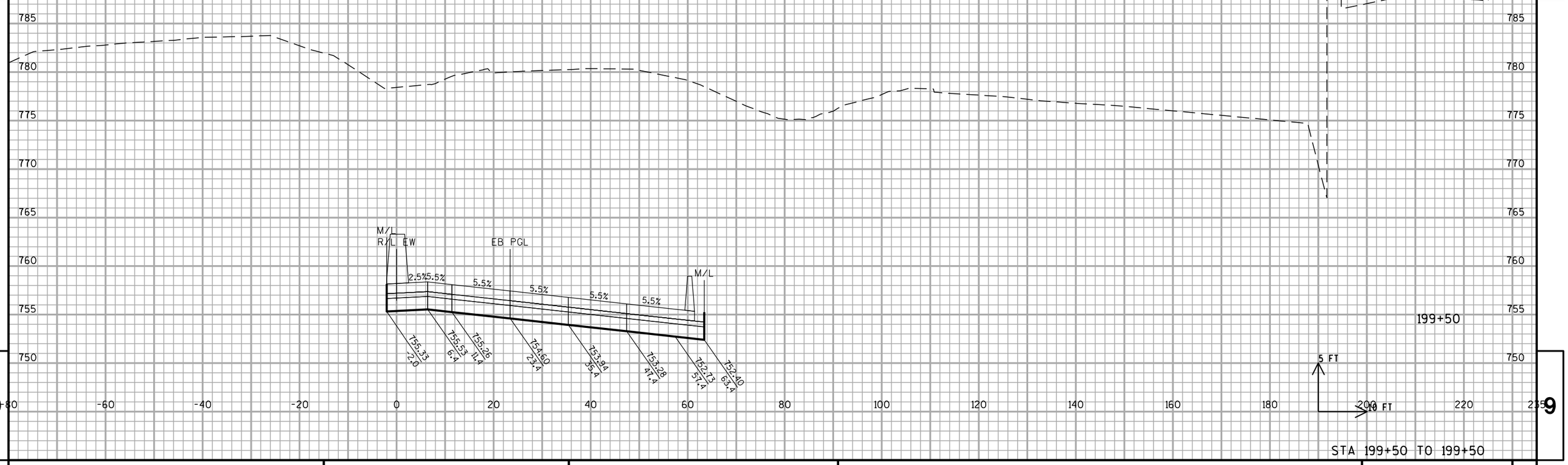
ALL WORK STAGE 3



STA 199+00 TO 199+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3



STA 199+50 TO 199+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e2 PLOT SCALE : 20:1

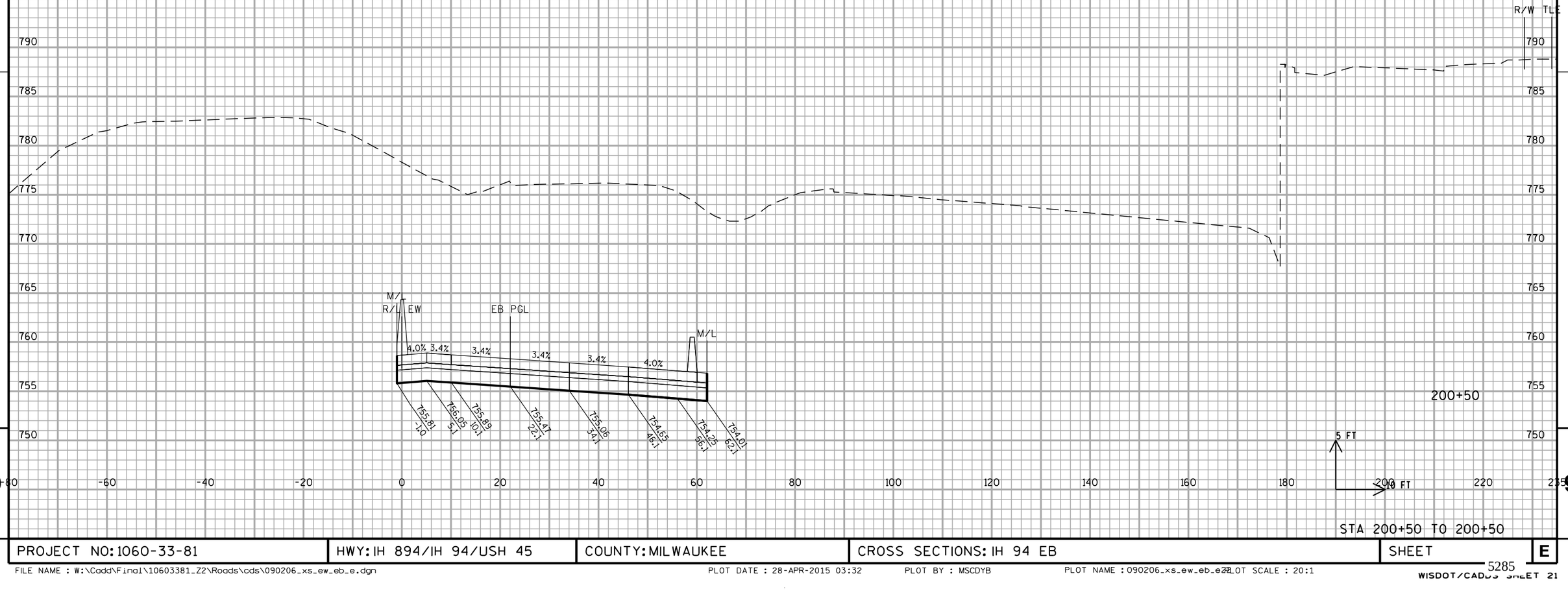
ALL WORK STAGE 3

STA 200+00 TO 200+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e2 PLOT SCALE : 20:1

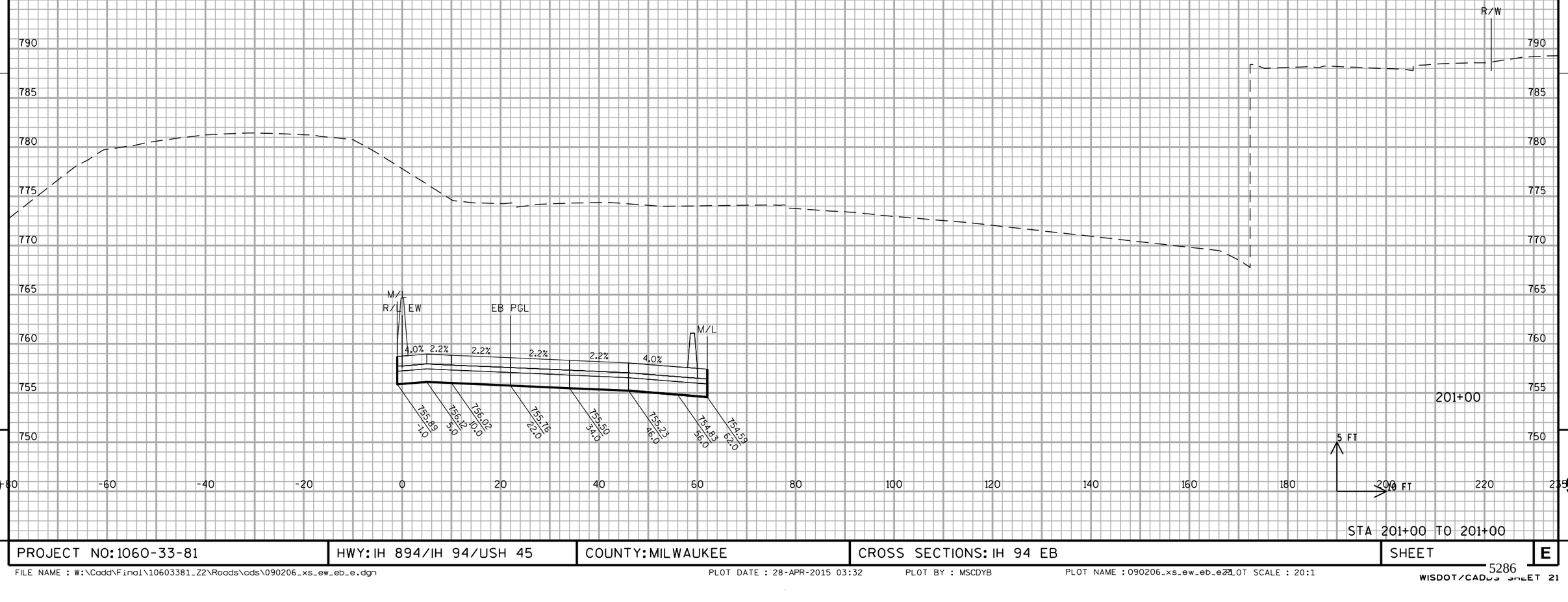
ALL WORK STAGE 3



STA 200+50 TO 200+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3

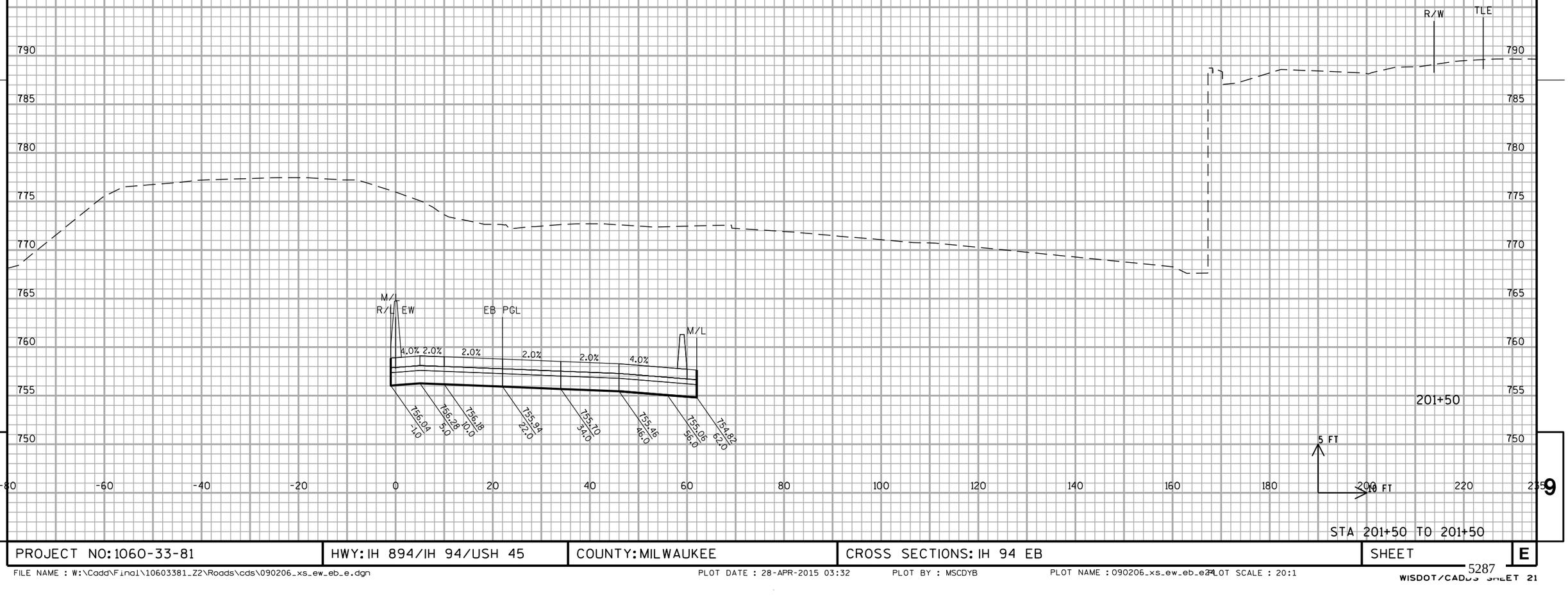


STA 201+00 TO 201+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e.dgn PLOT SCALE : 20:1

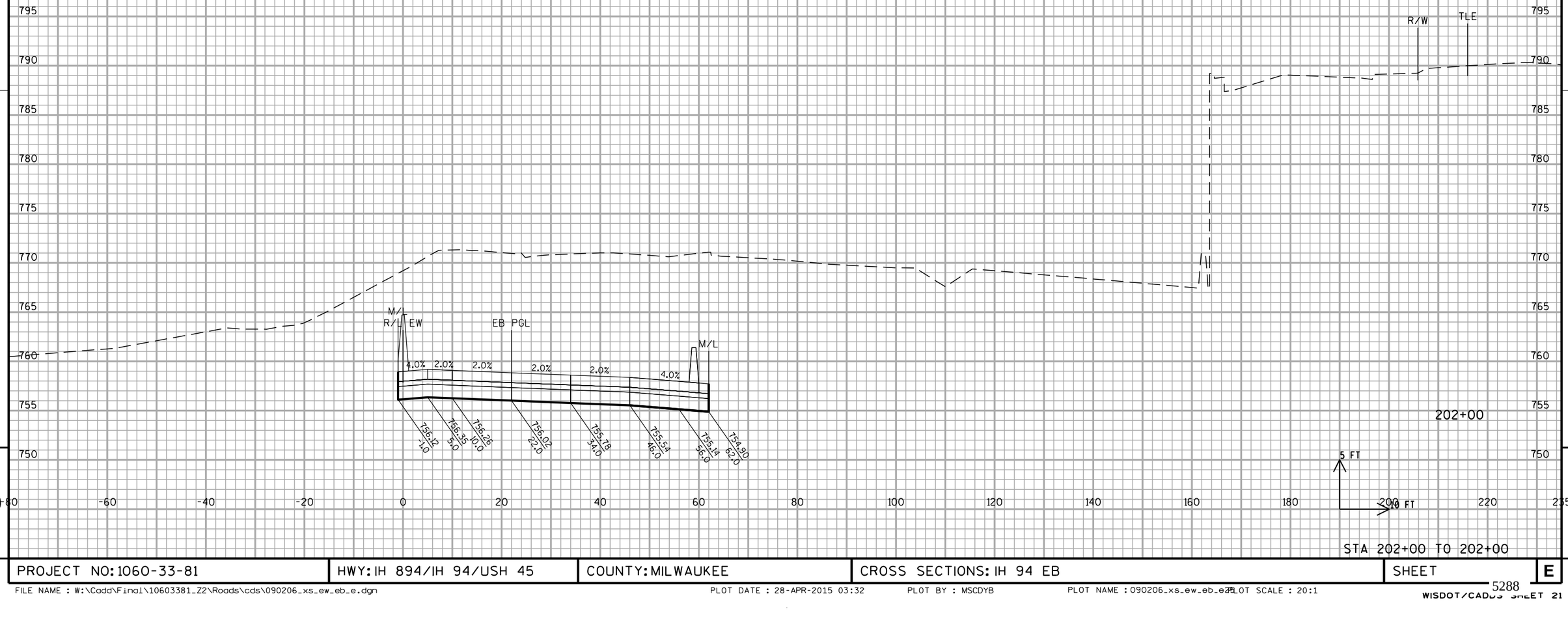
ALL WORK STAGE 3



STA 201+50 TO 201+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

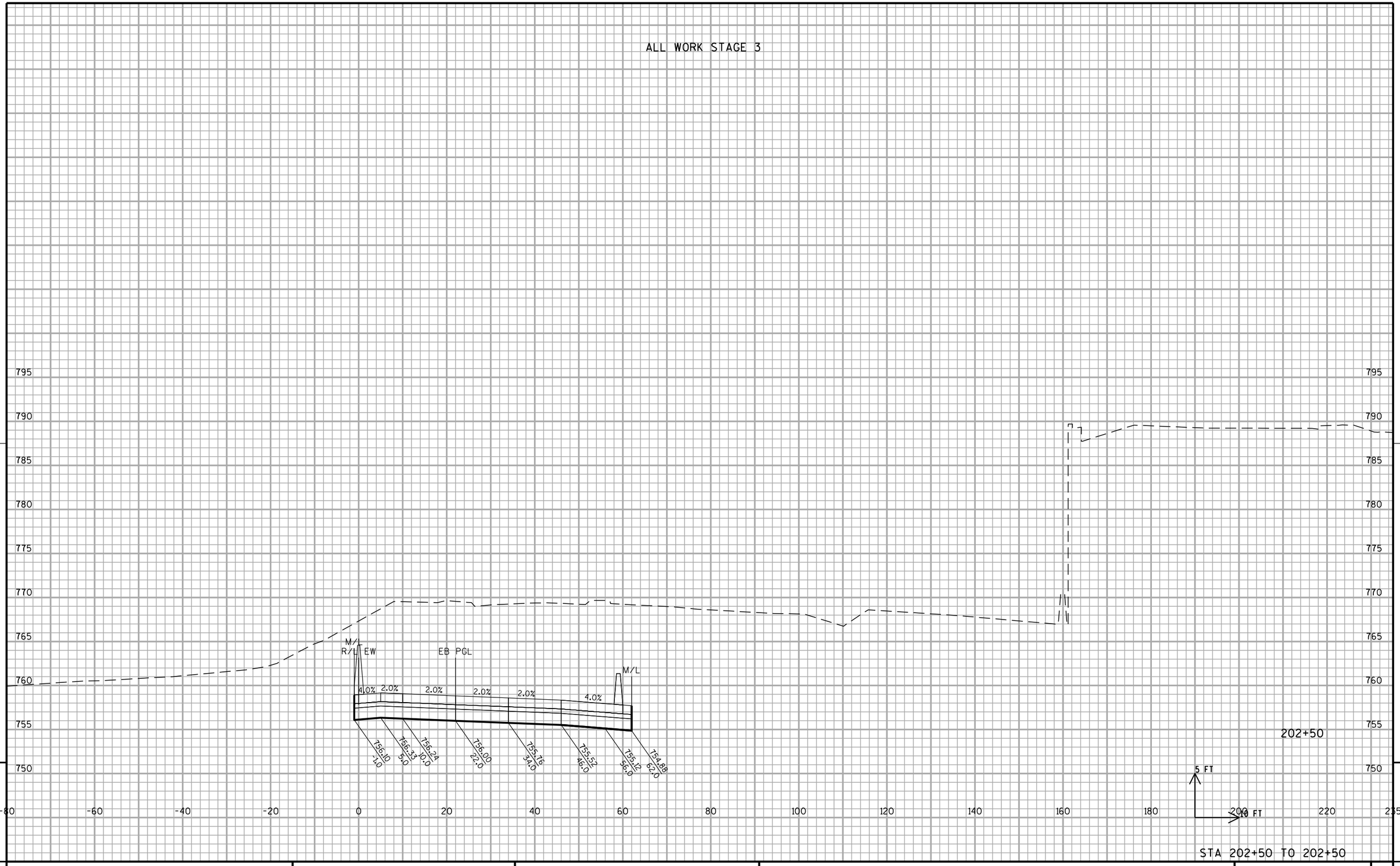
ALL WORK STAGE 3



STA 202+00 TO 202+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3

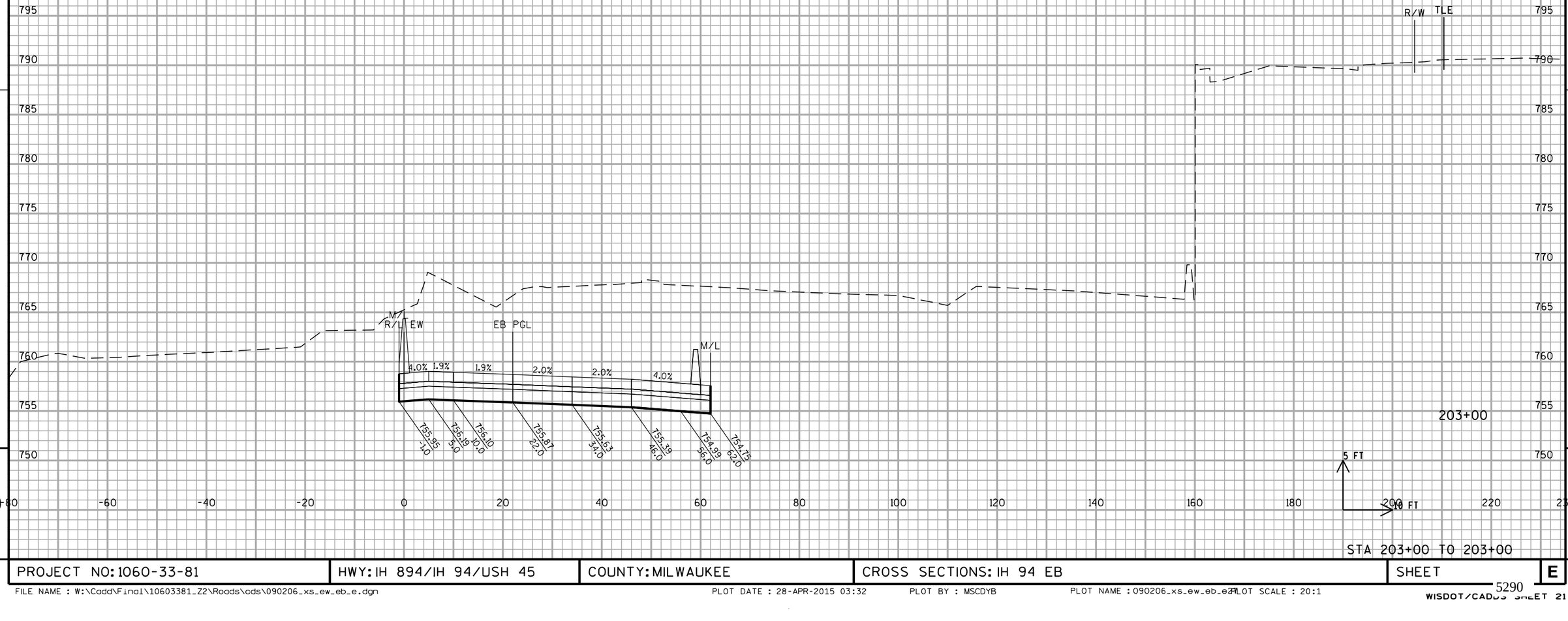


STA 202+50 TO 202+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e.dgn PLOT SCALE : 20:1

ALL WORK STAGE 3

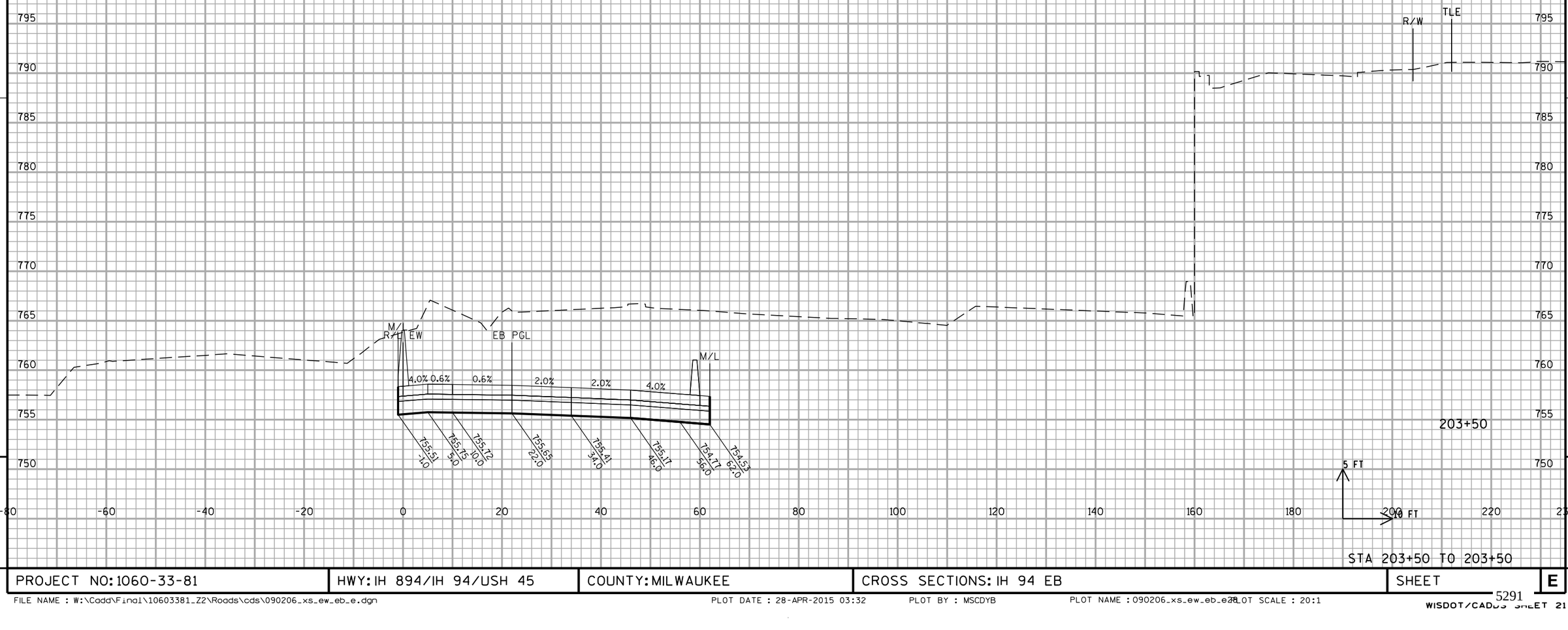


STA 203+00 TO 203+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e.PLOT SCALE : 20:1

ALL WORK STAGE 3

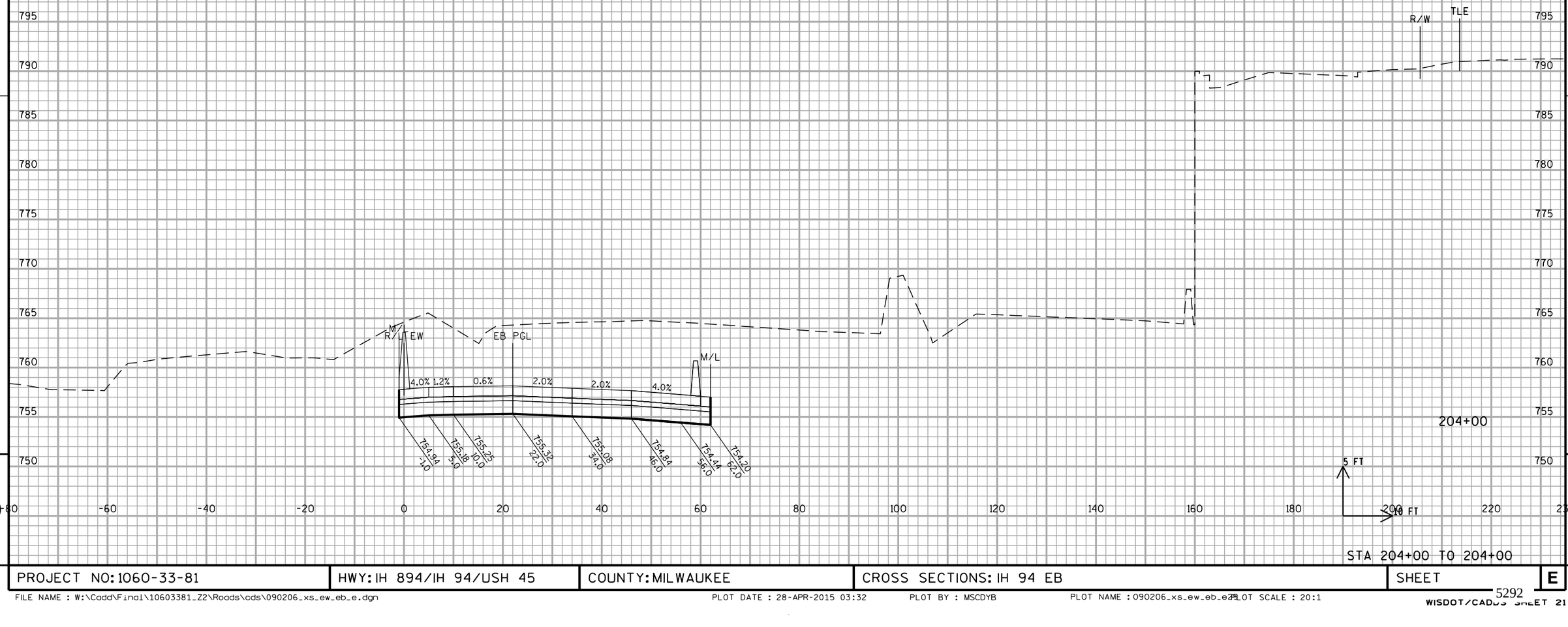


STA 203+50 TO 203+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e PLOT SCALE : 20:1

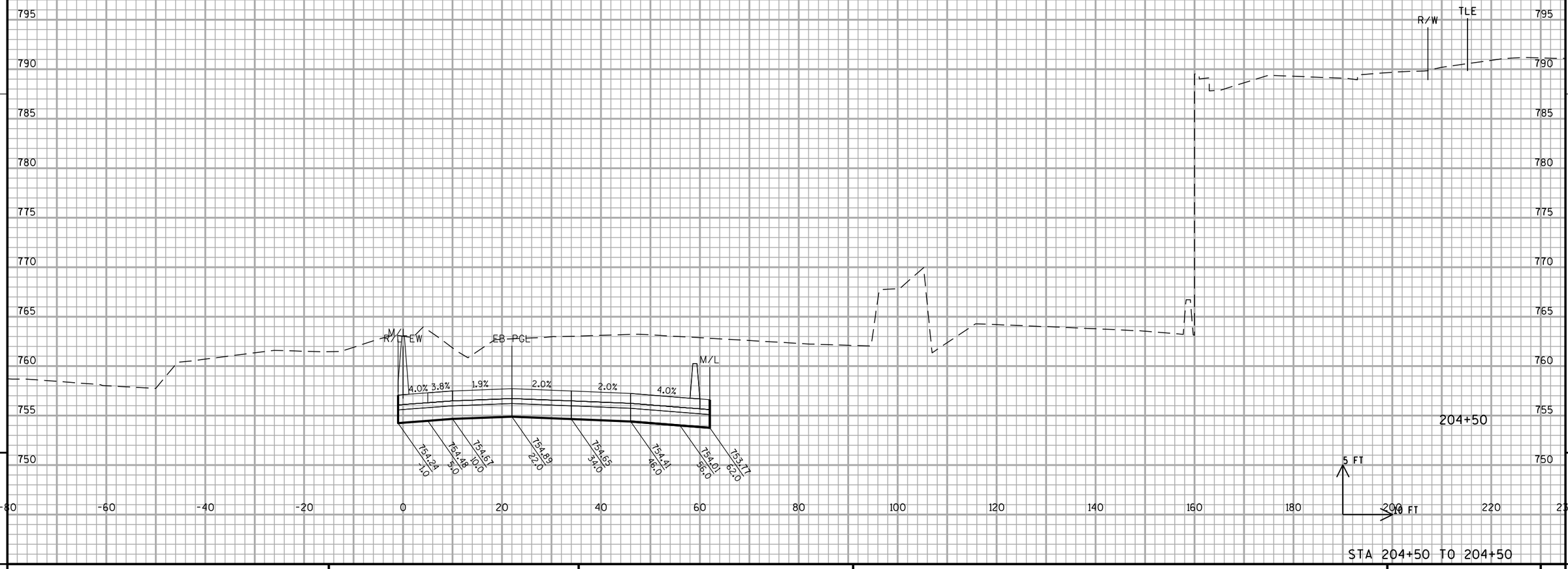
ALL WORK STAGE 3



STA 204+00 TO 204+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

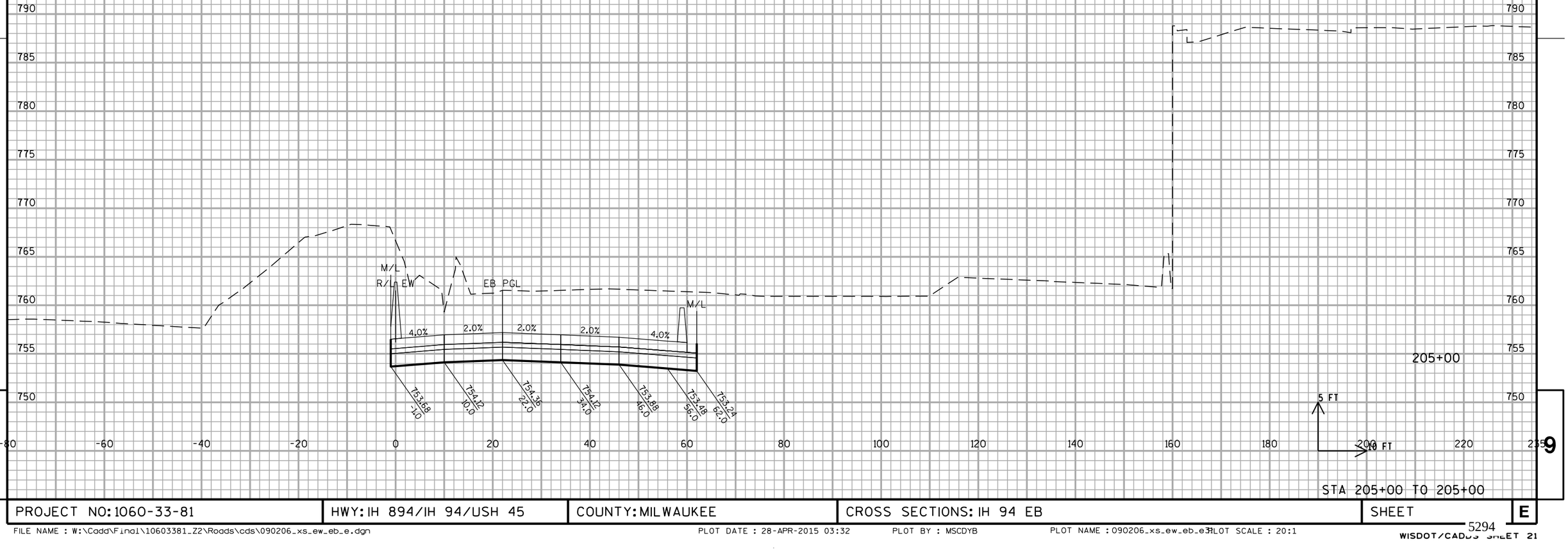
ALL WORK STAGE 3



STA 204+50 TO 204+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3

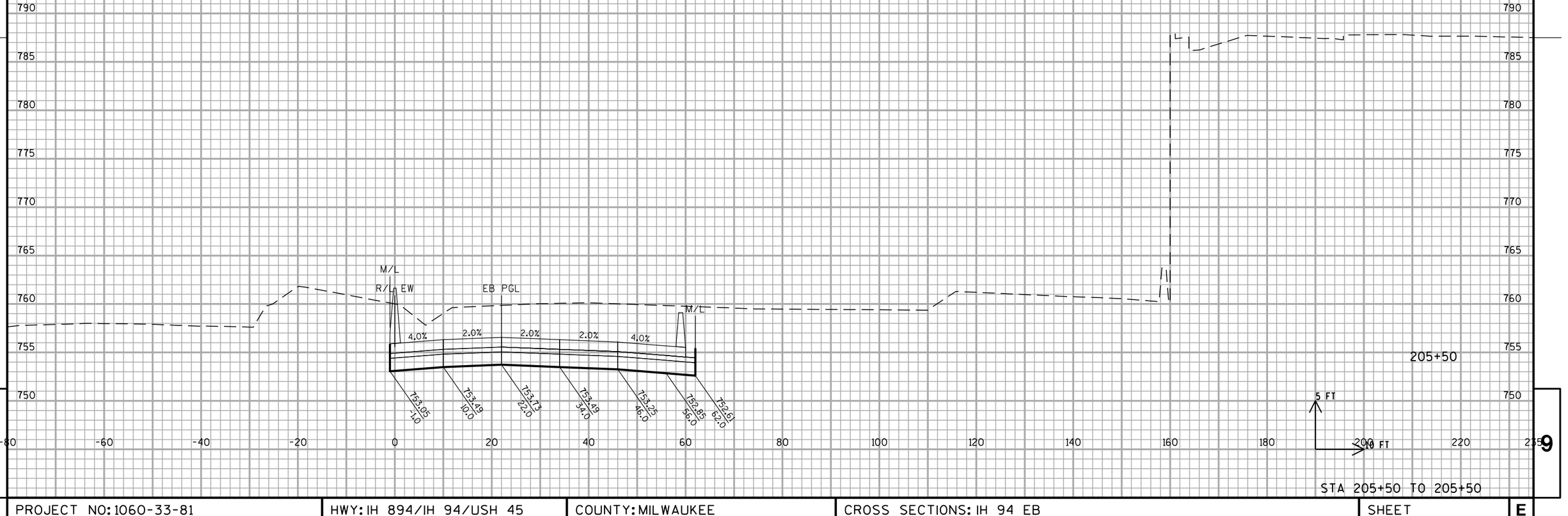


STA 205+00 TO 205+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e3 PLOT SCALE : 20:1

ALL WORK STAGE 3

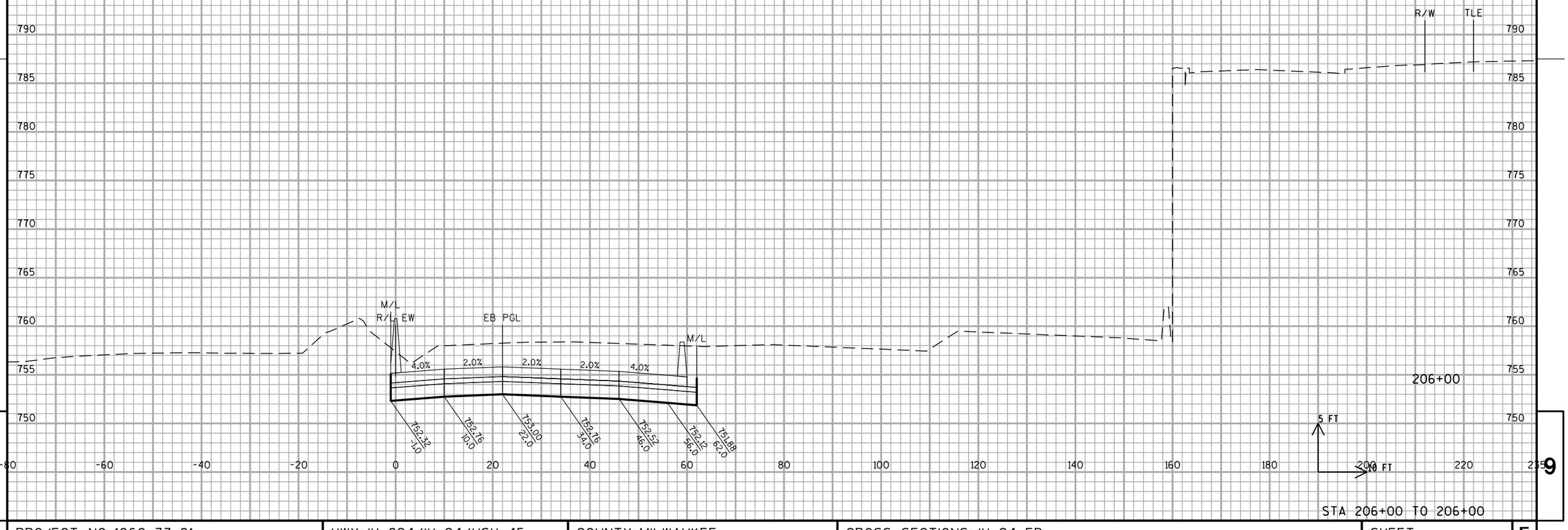


STA 205+50 TO 205+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090206_xs_ew_eb_e.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090206_xs_ew_eb_e.dgn PLOT SCALE : 20:1

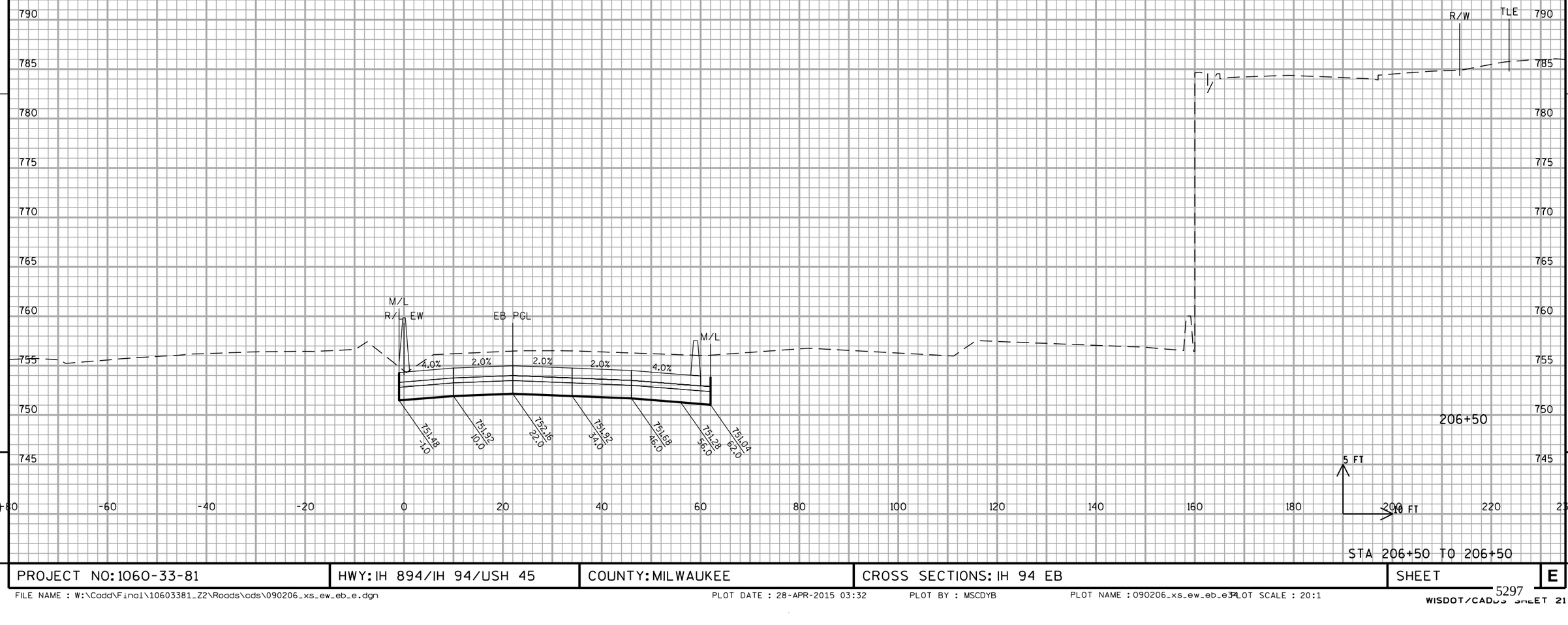
ALL WORK STAGE 3



STA 206+00 TO 206+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

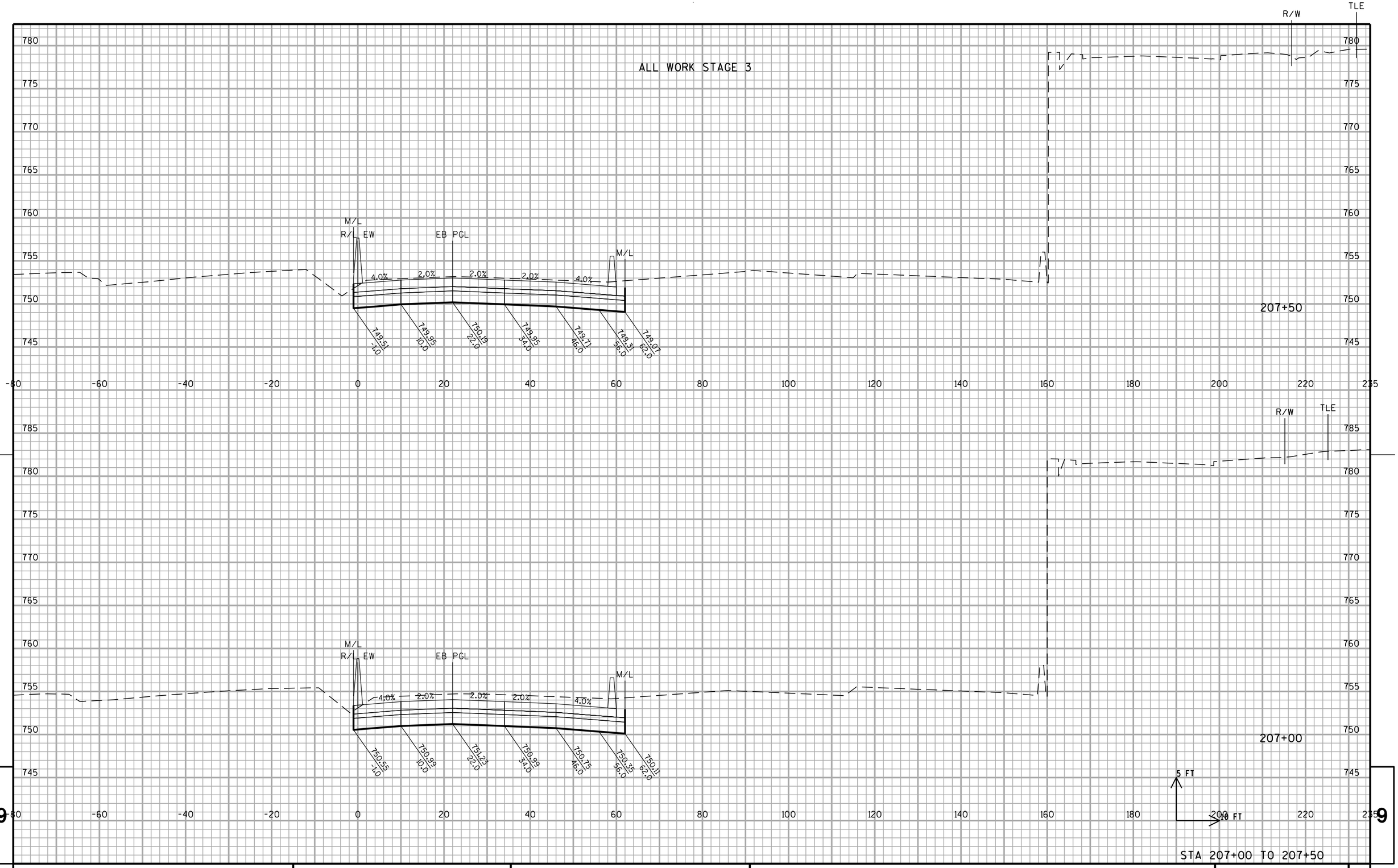
ALL WORK STAGE 3



STA 206+50 TO 206+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

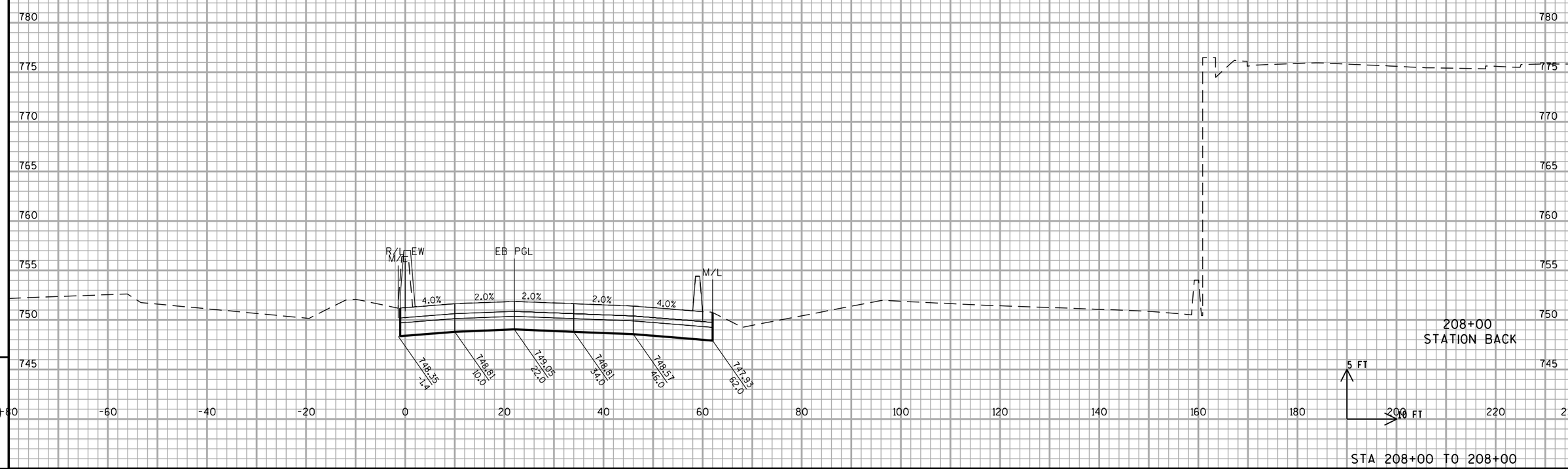
ALL WORK STAGE 3



STA 207+00 TO 207+50

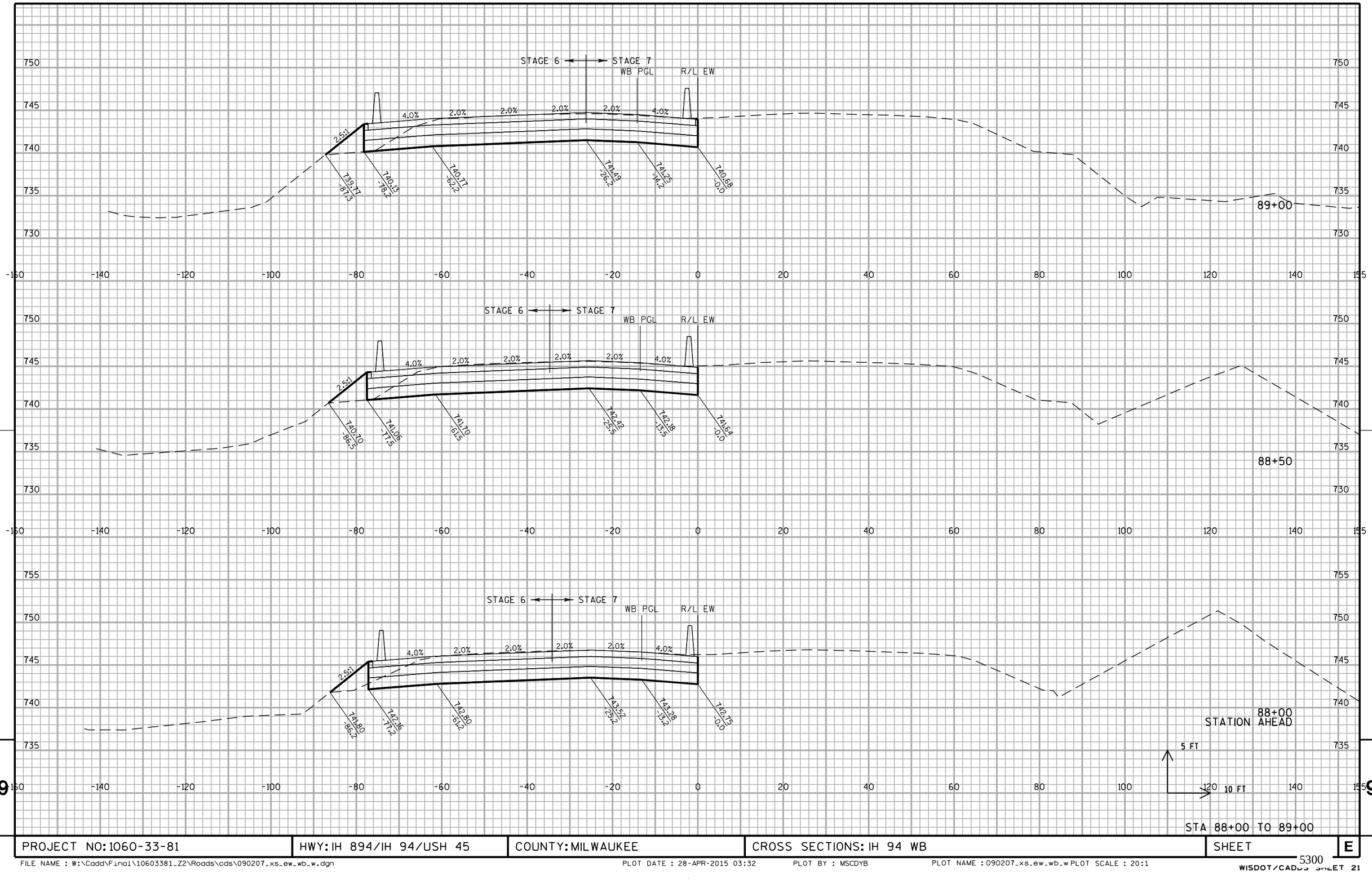
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E

ALL WORK STAGE 3



STA 208+00 TO 208+00

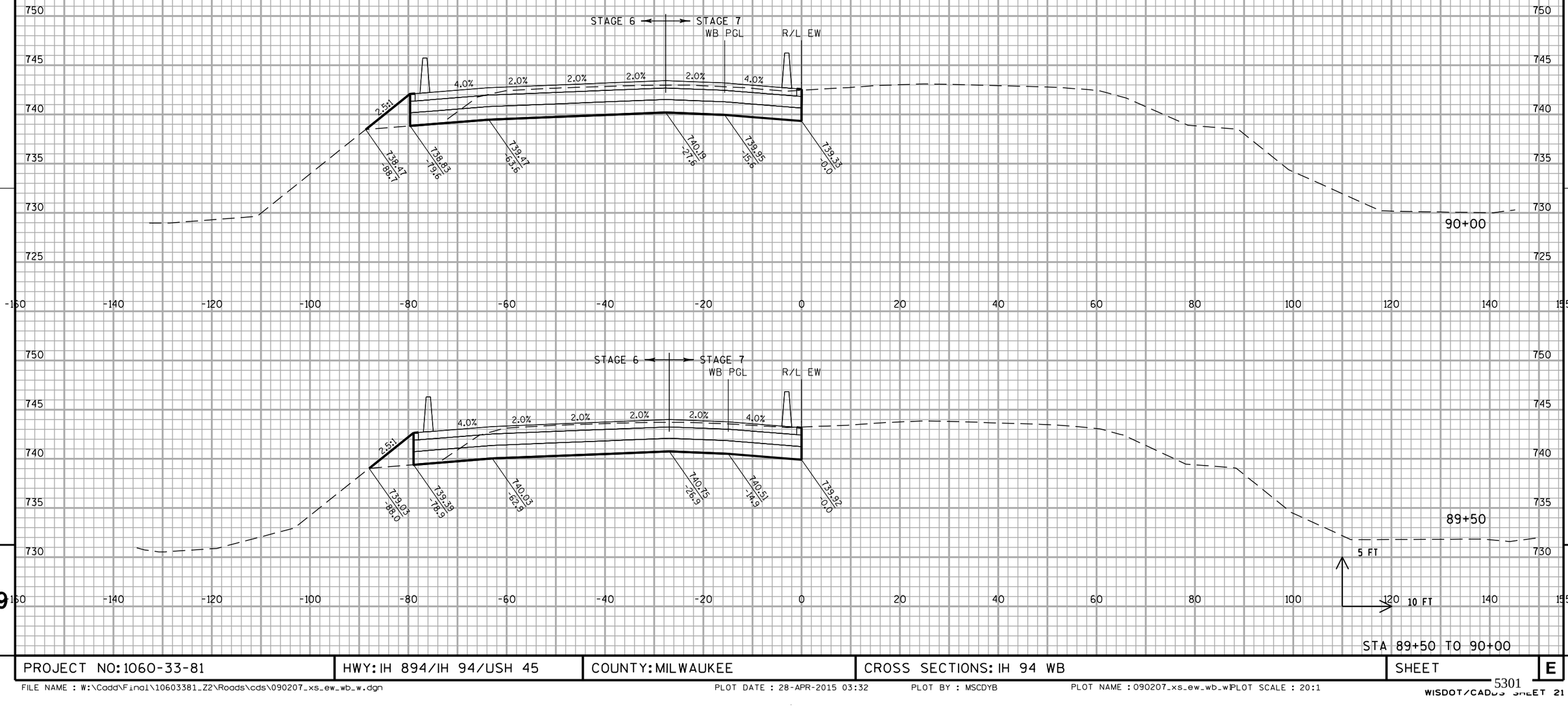
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 EB	SHEET	E



STA 88+00 TO 89+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

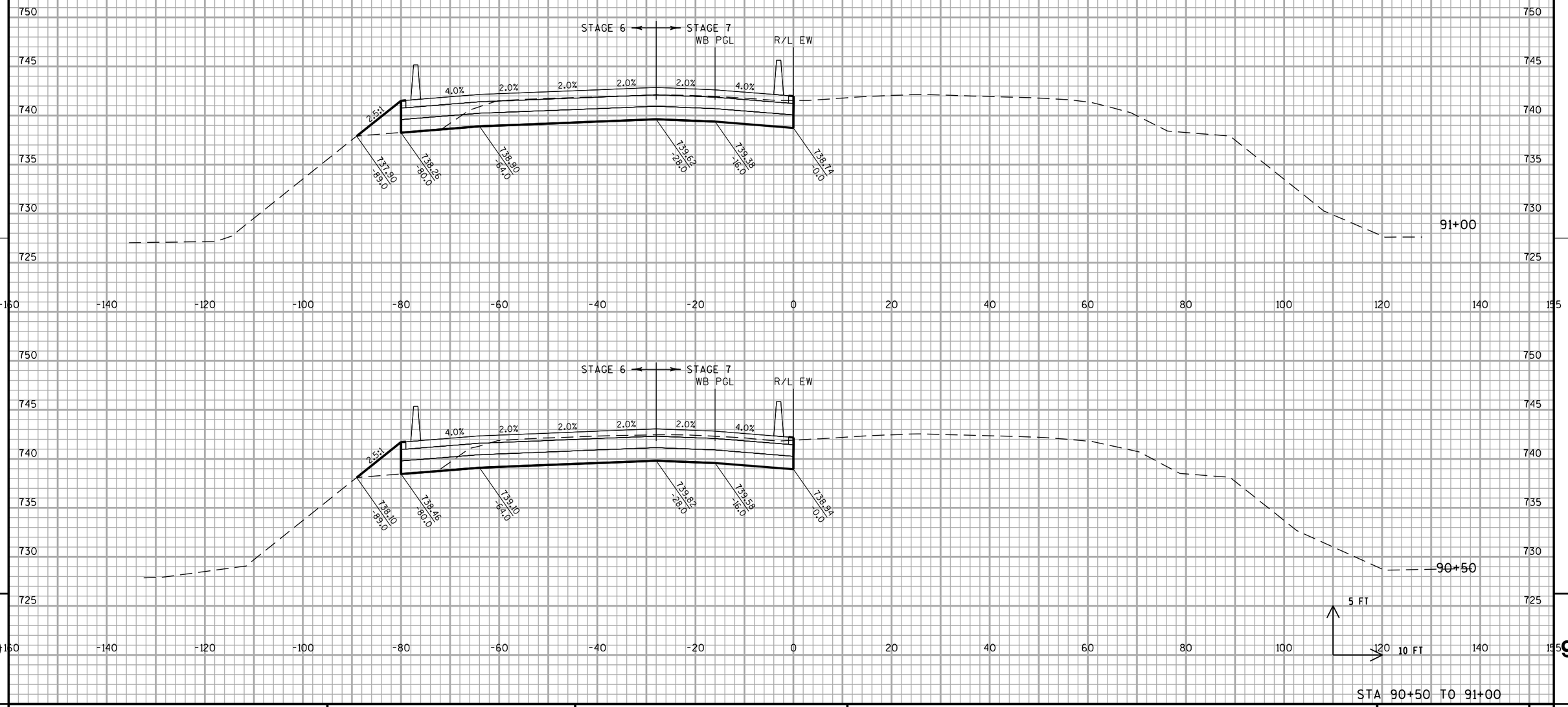
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1



STA 89+50 TO 90+00

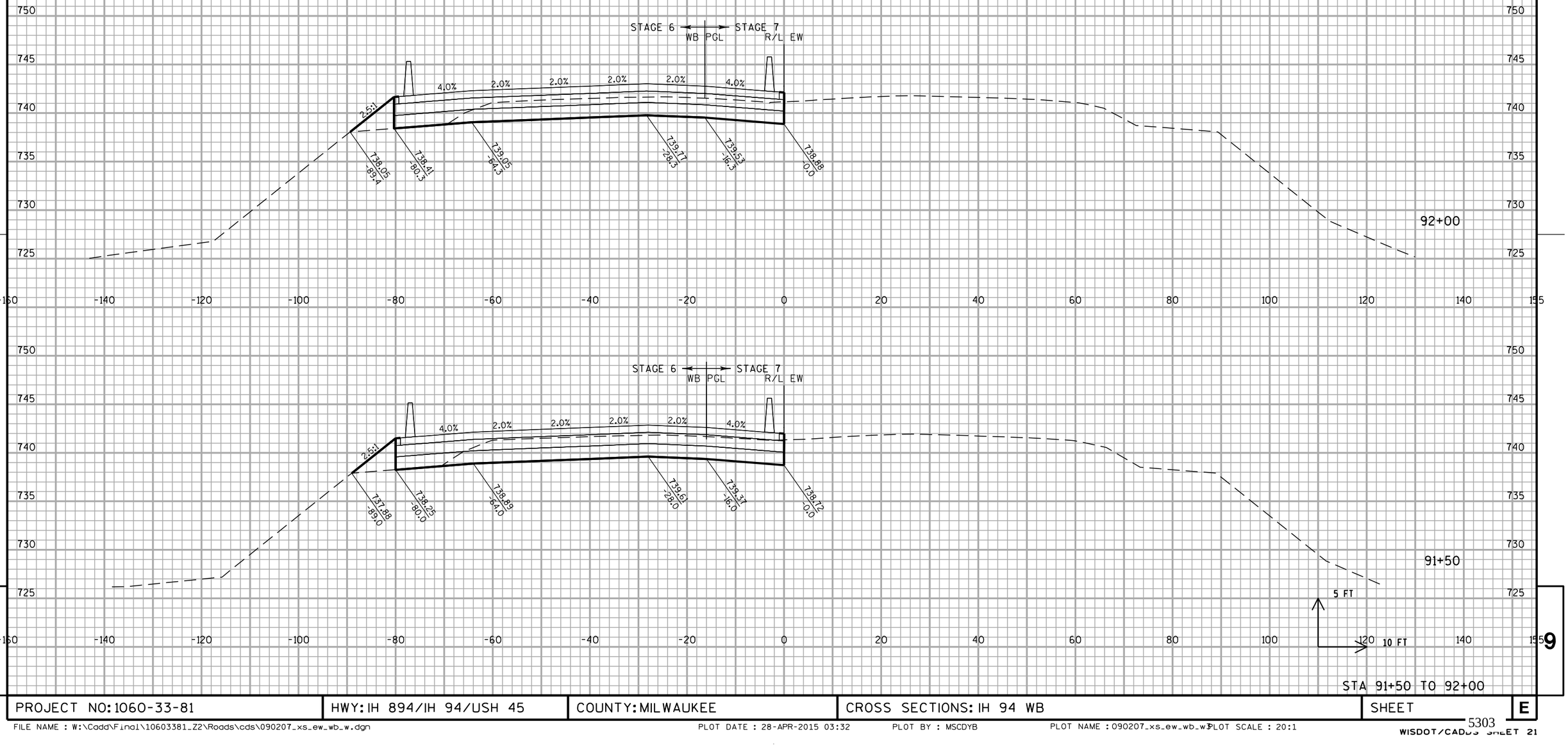
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1



STA 90+50 TO 91+00

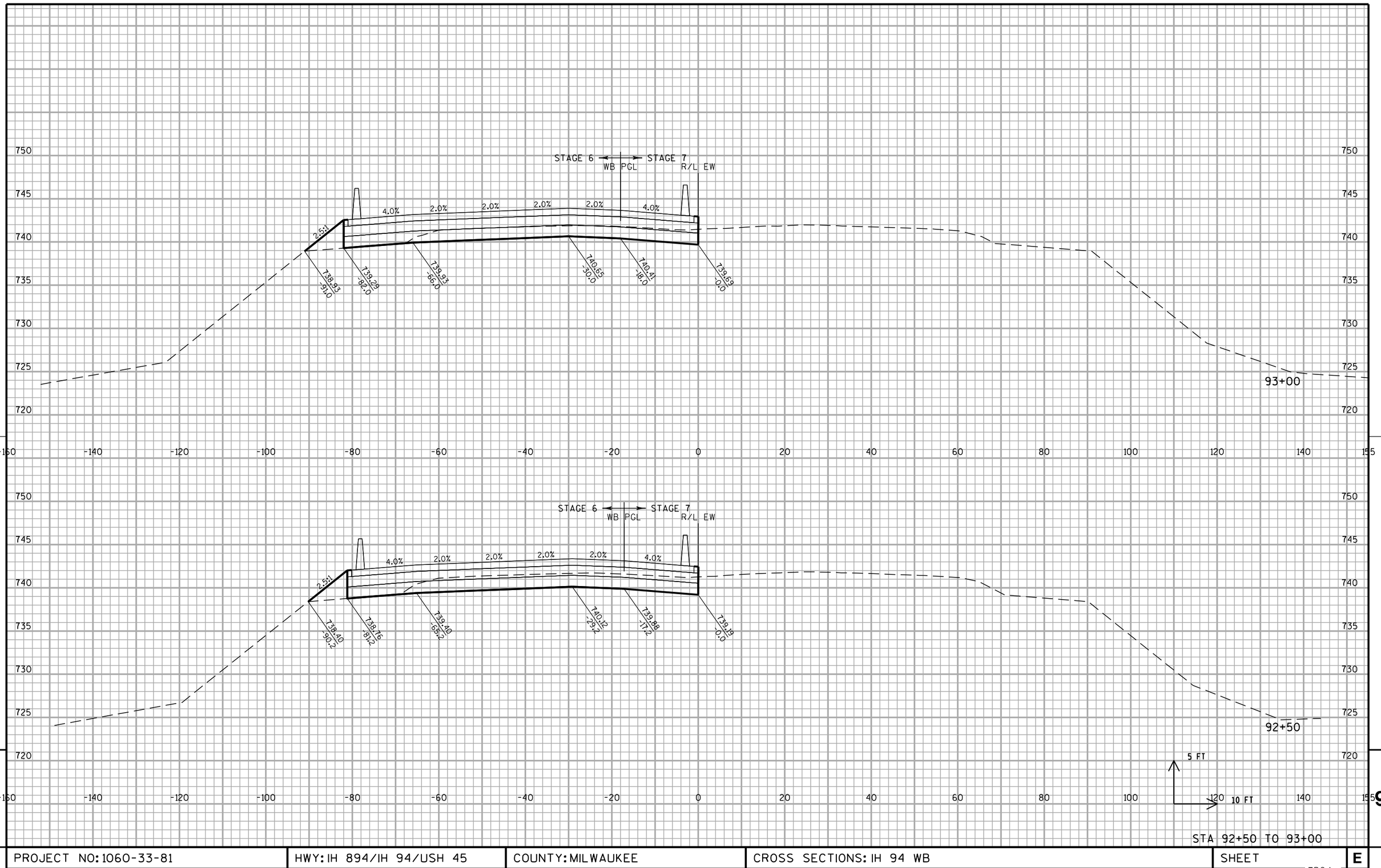
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E



STA 91+50 TO 92+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

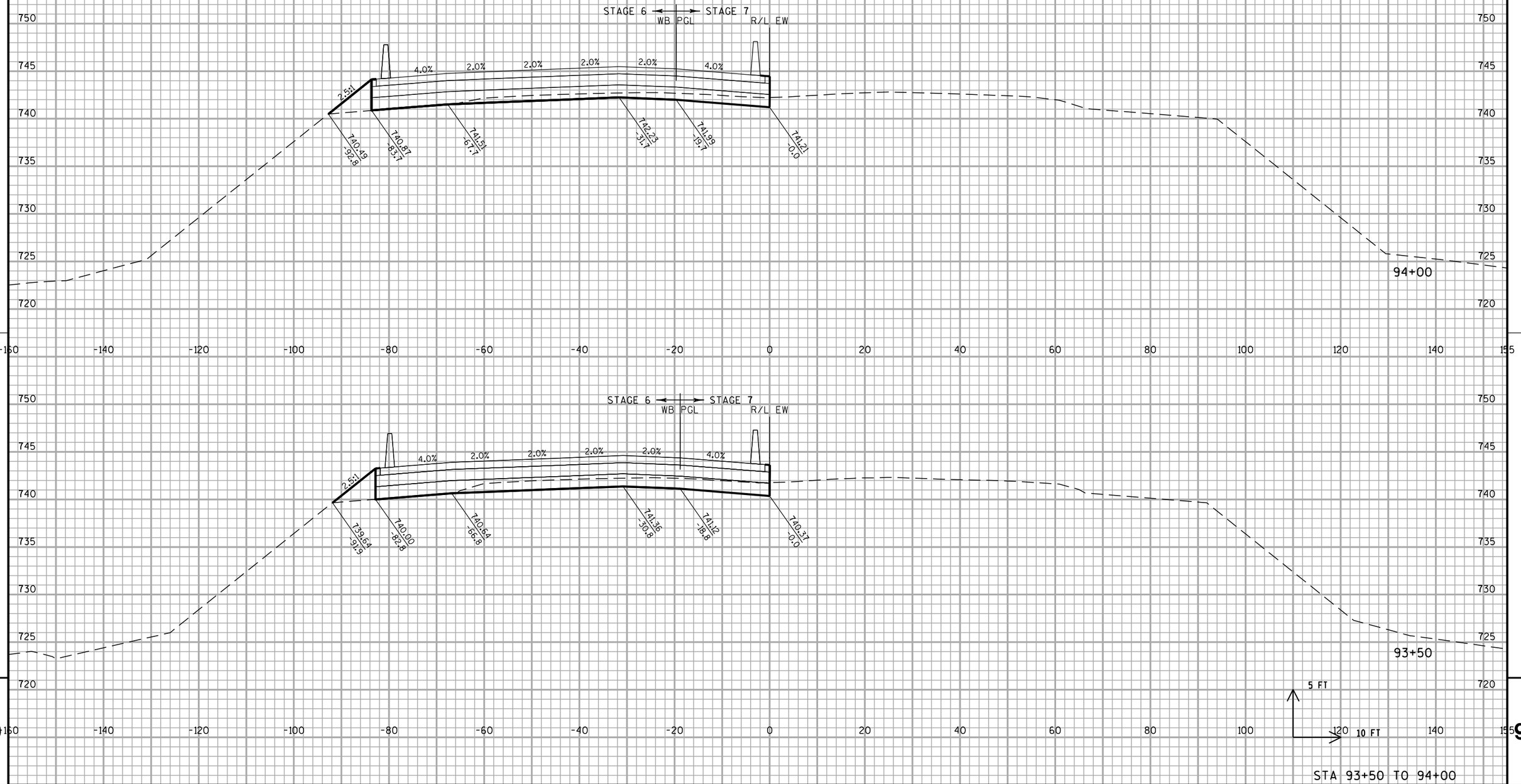
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1



STA 92+50 TO 93+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

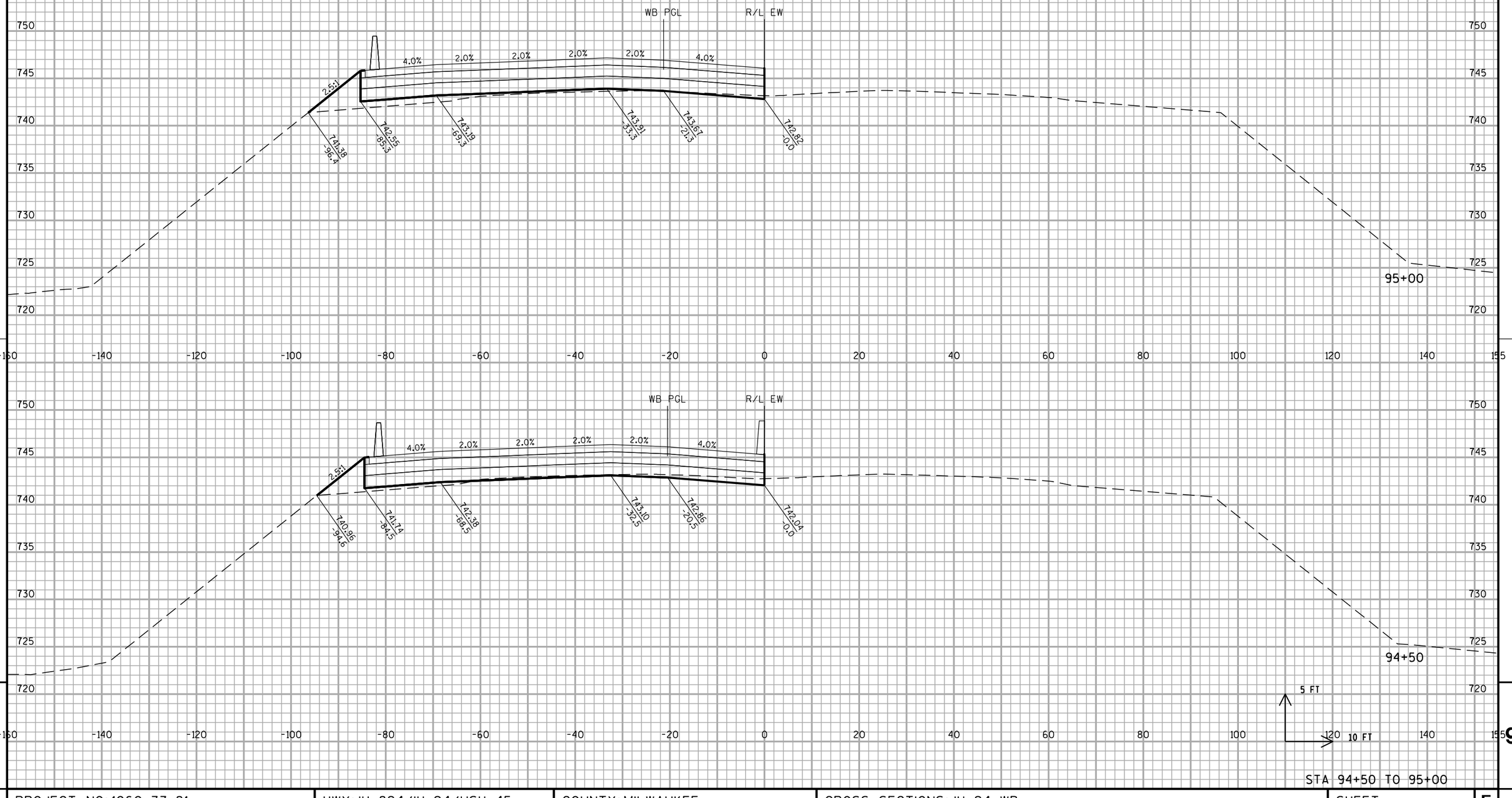


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET E

STA 93+50 TO 94+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 27-MAY-2015 16:59 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W5 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

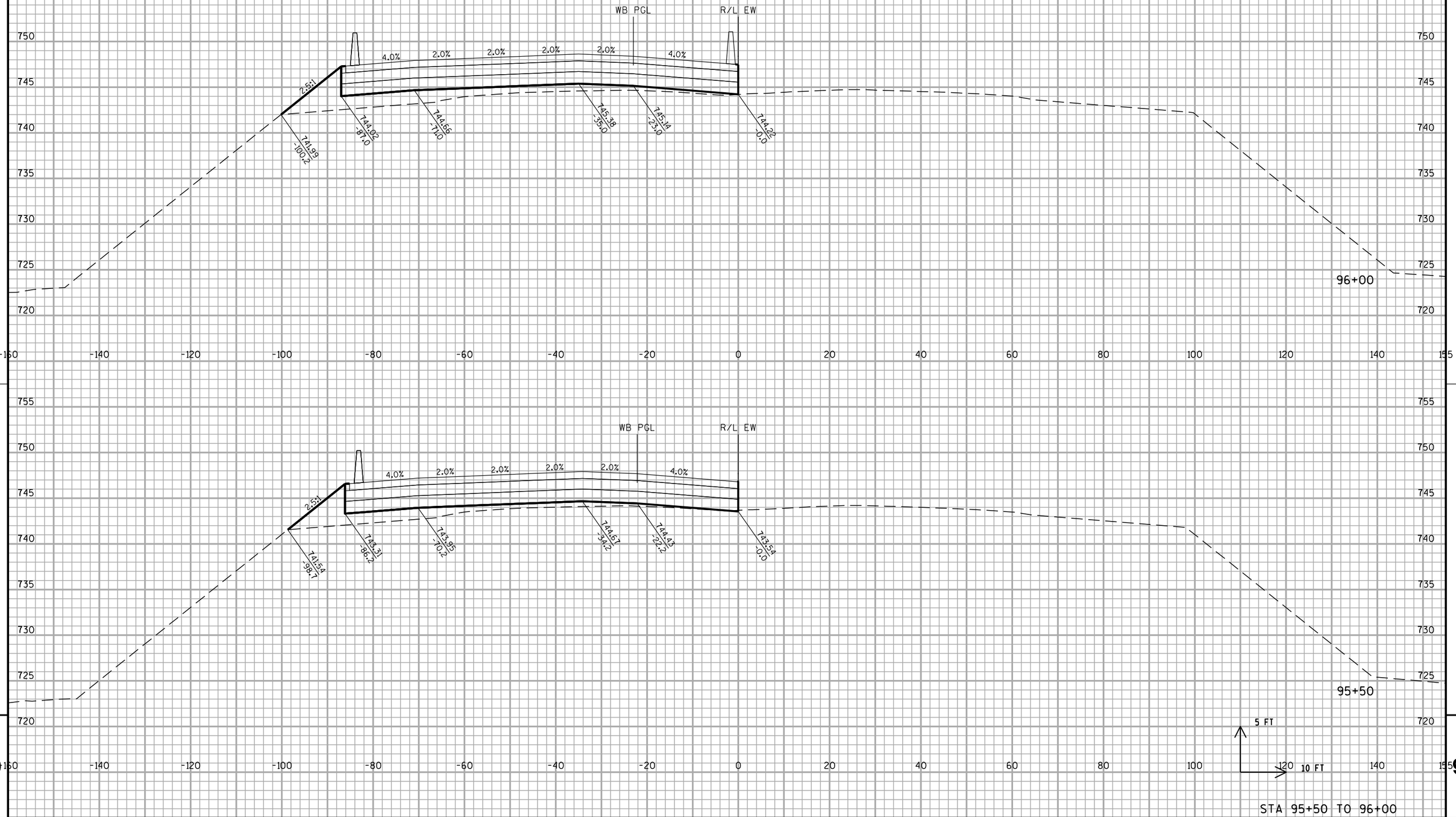


STA 94+50 TO 95+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 27-MAY-2015 16:59 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W PLOT SCALE : 20:1

ALL WORK STAGE 6

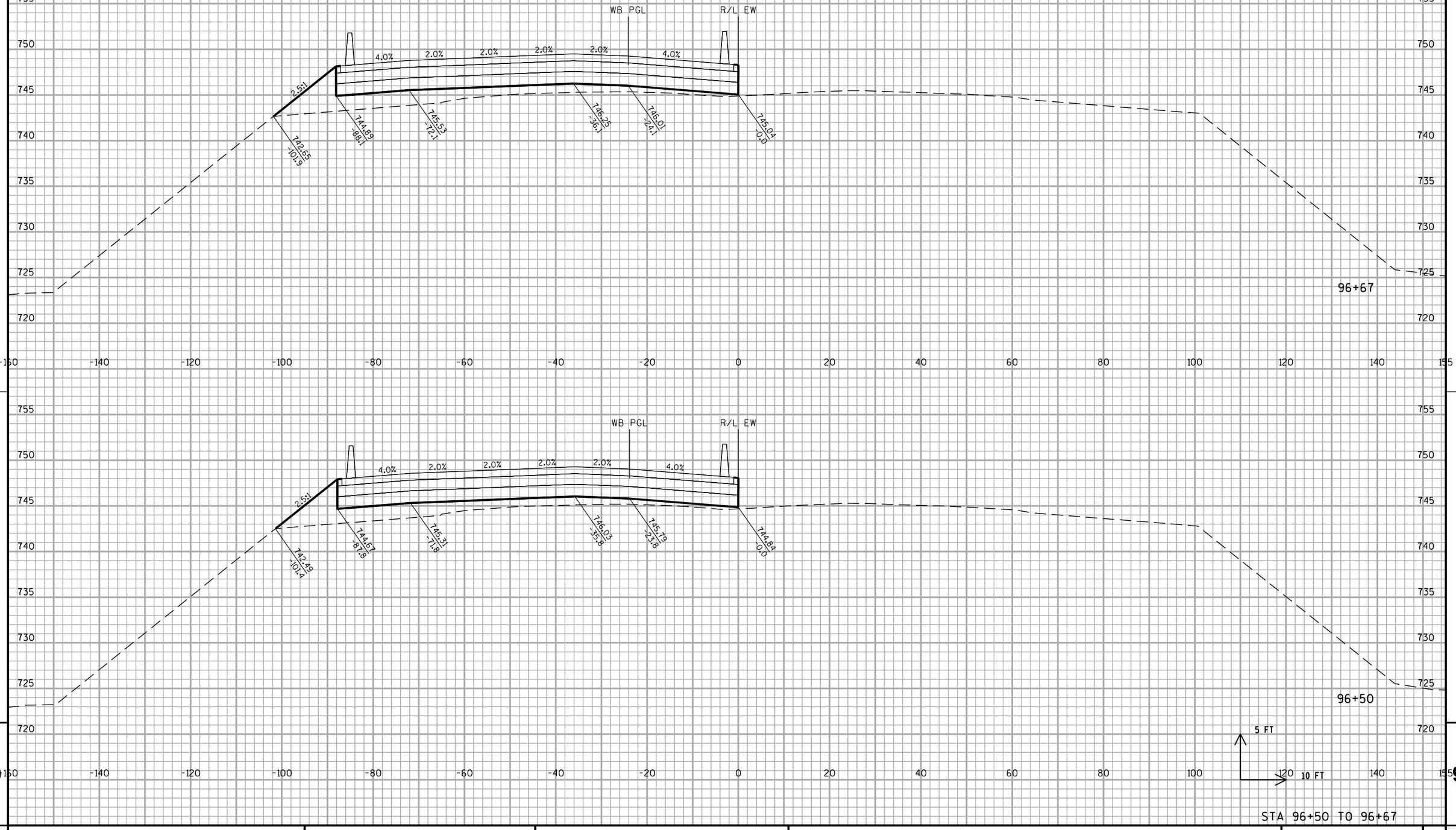


STA 95+50 TO 96+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 27-MAY-2015 16:59 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W PLOT SCALE : 20:1

ALL WORK STAGE 6



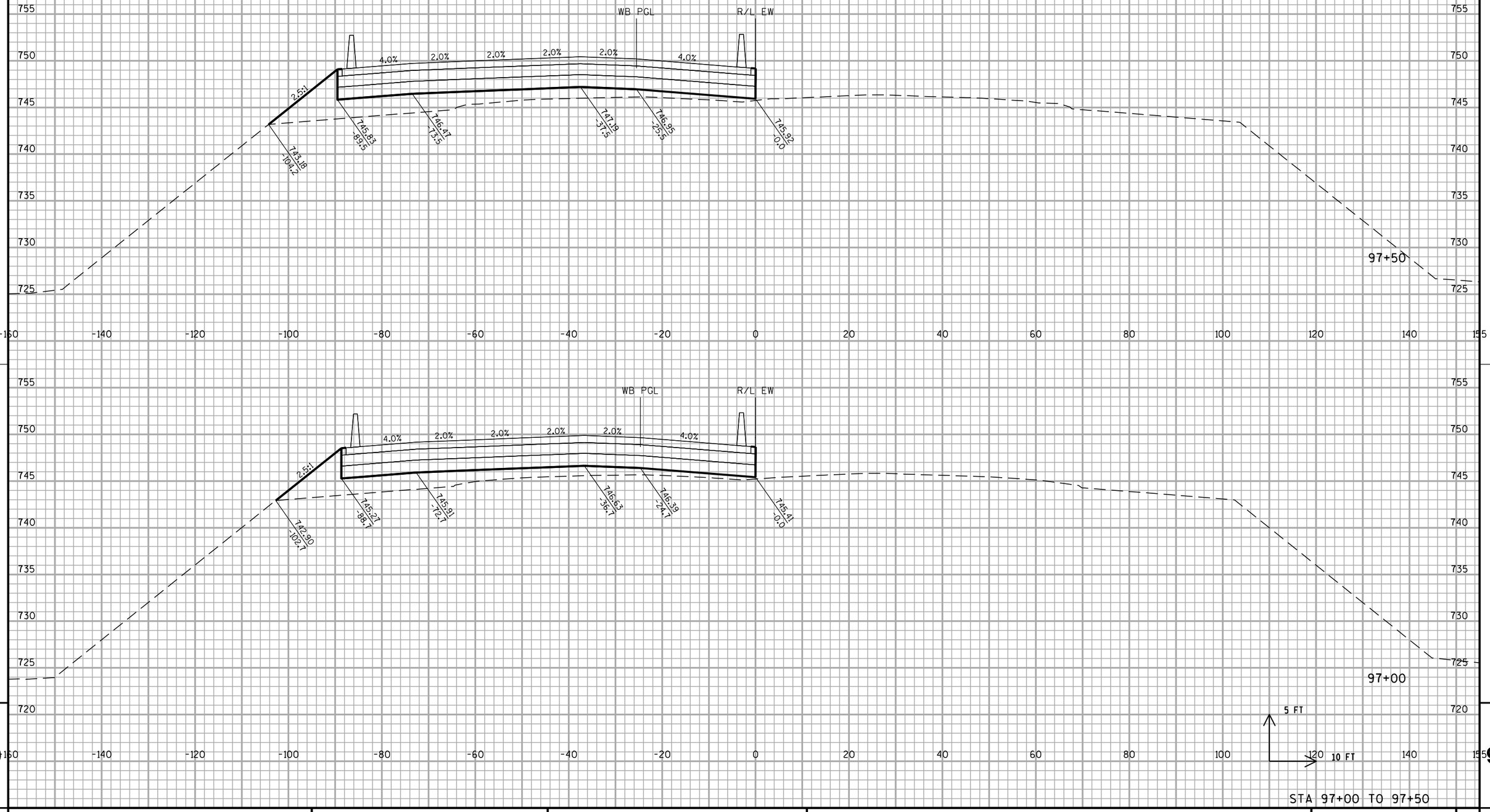
STA 96+50 TO 96+67

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



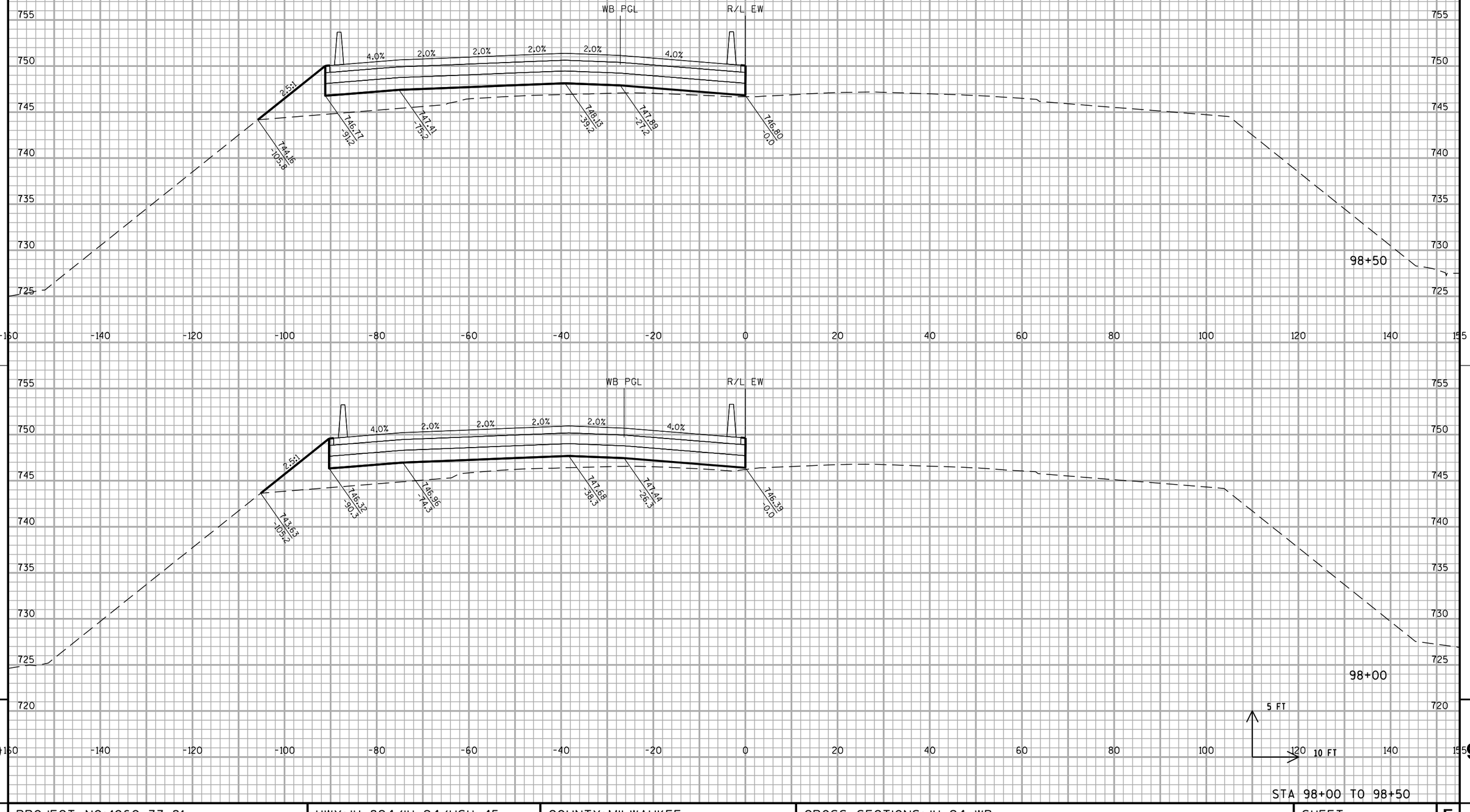
STA 97+00 TO 97+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

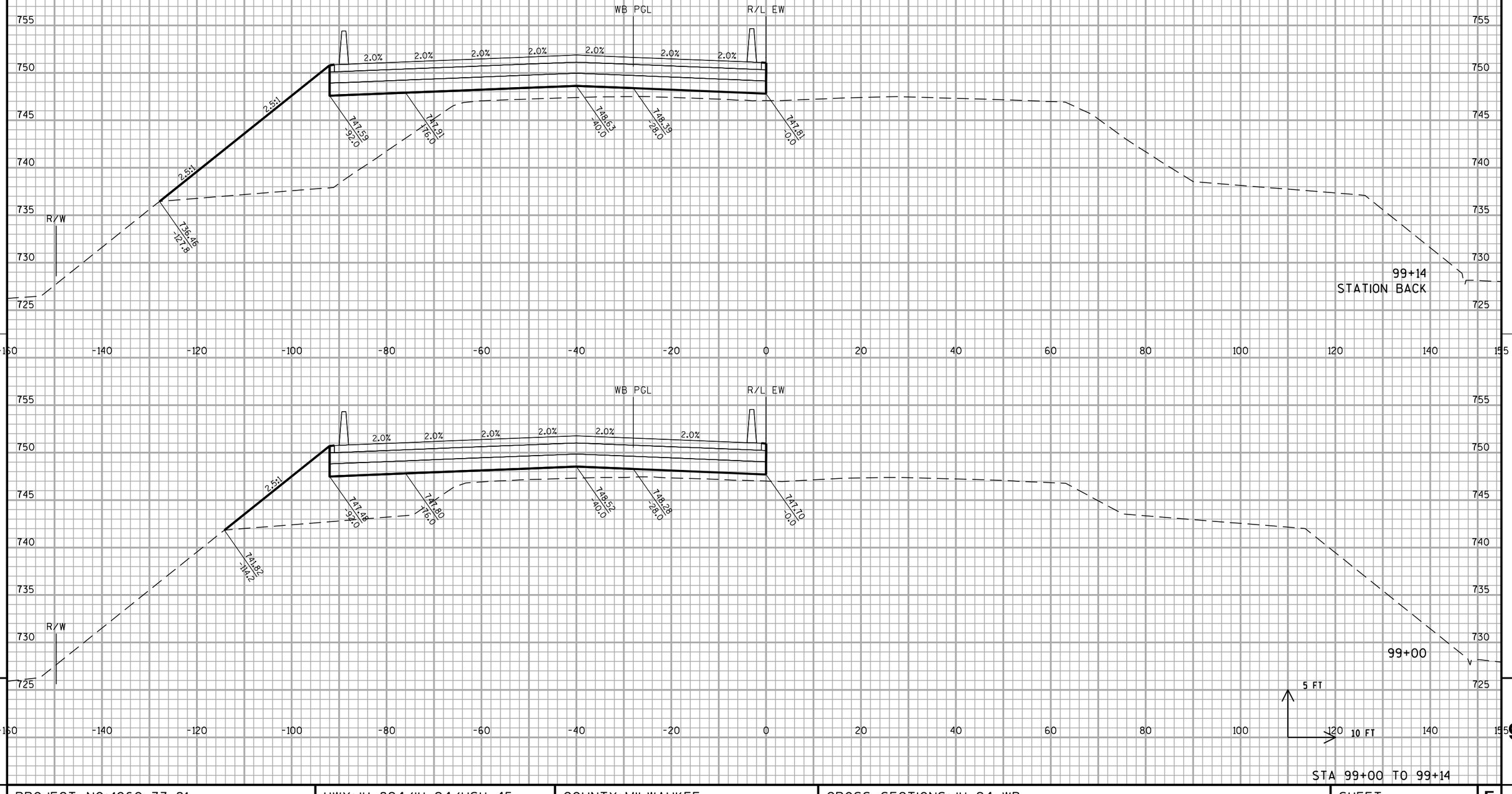
ALL WORK STAGE 6



STA 98+00 TO 98+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

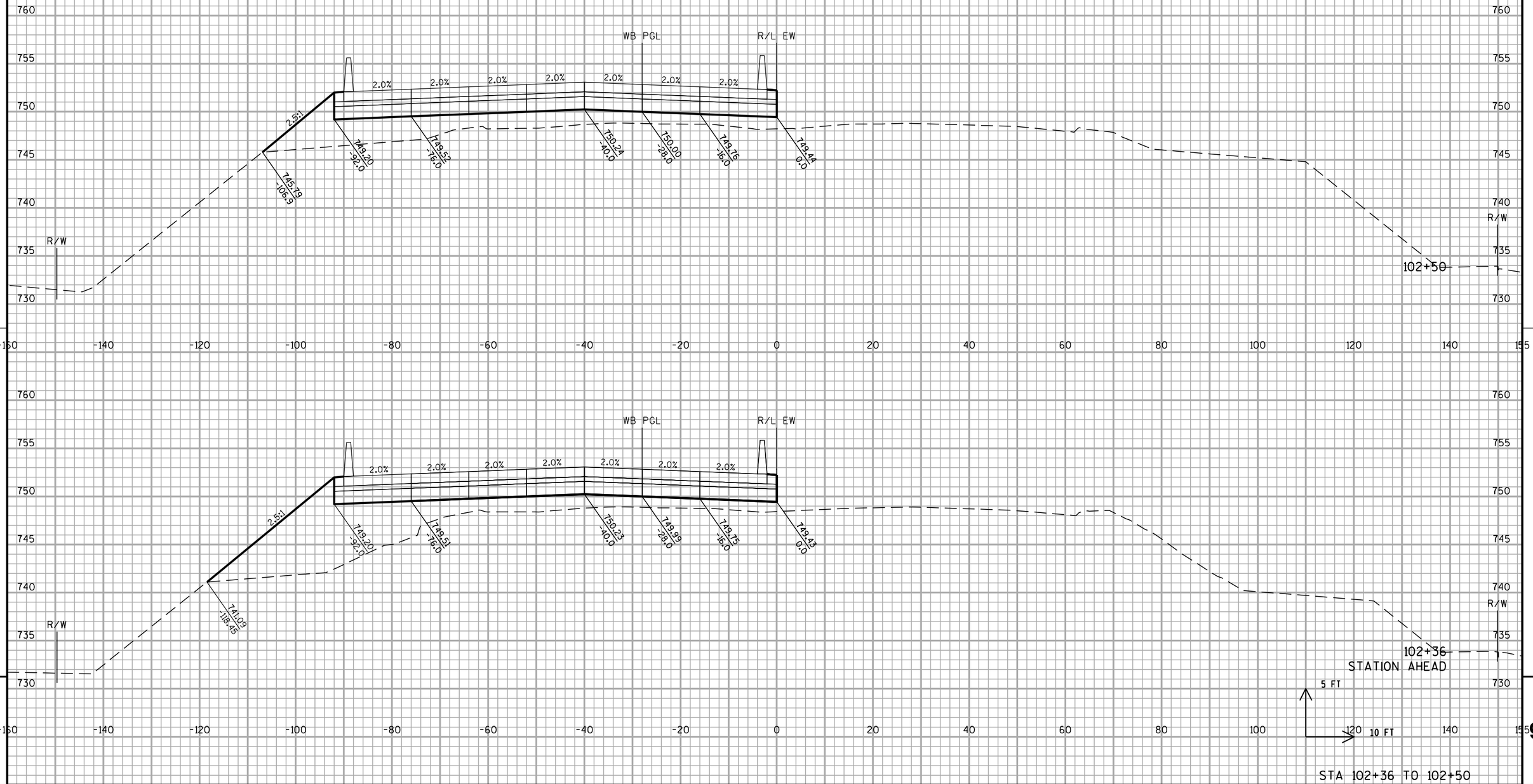
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

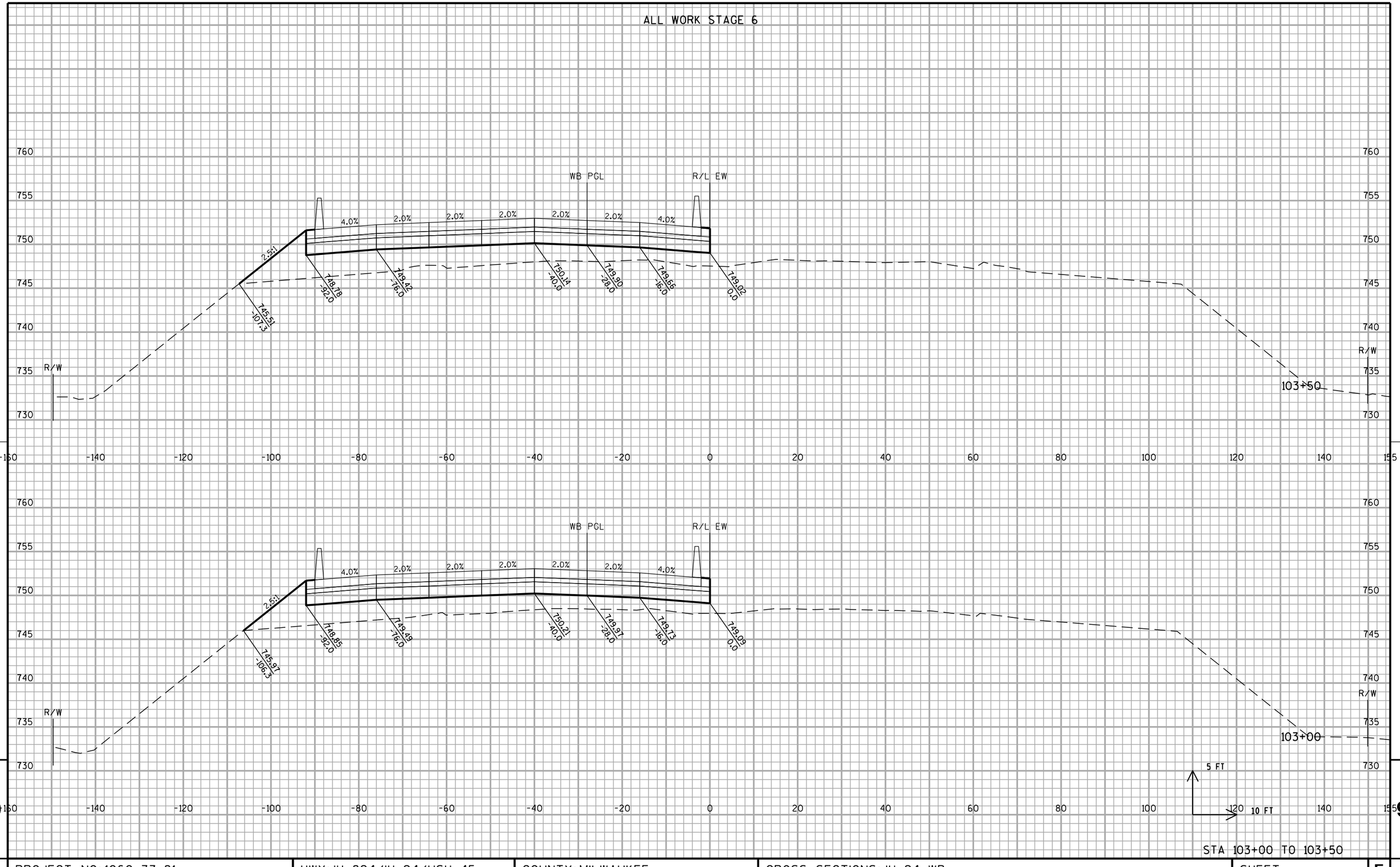


STA 102+36 TO 102+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

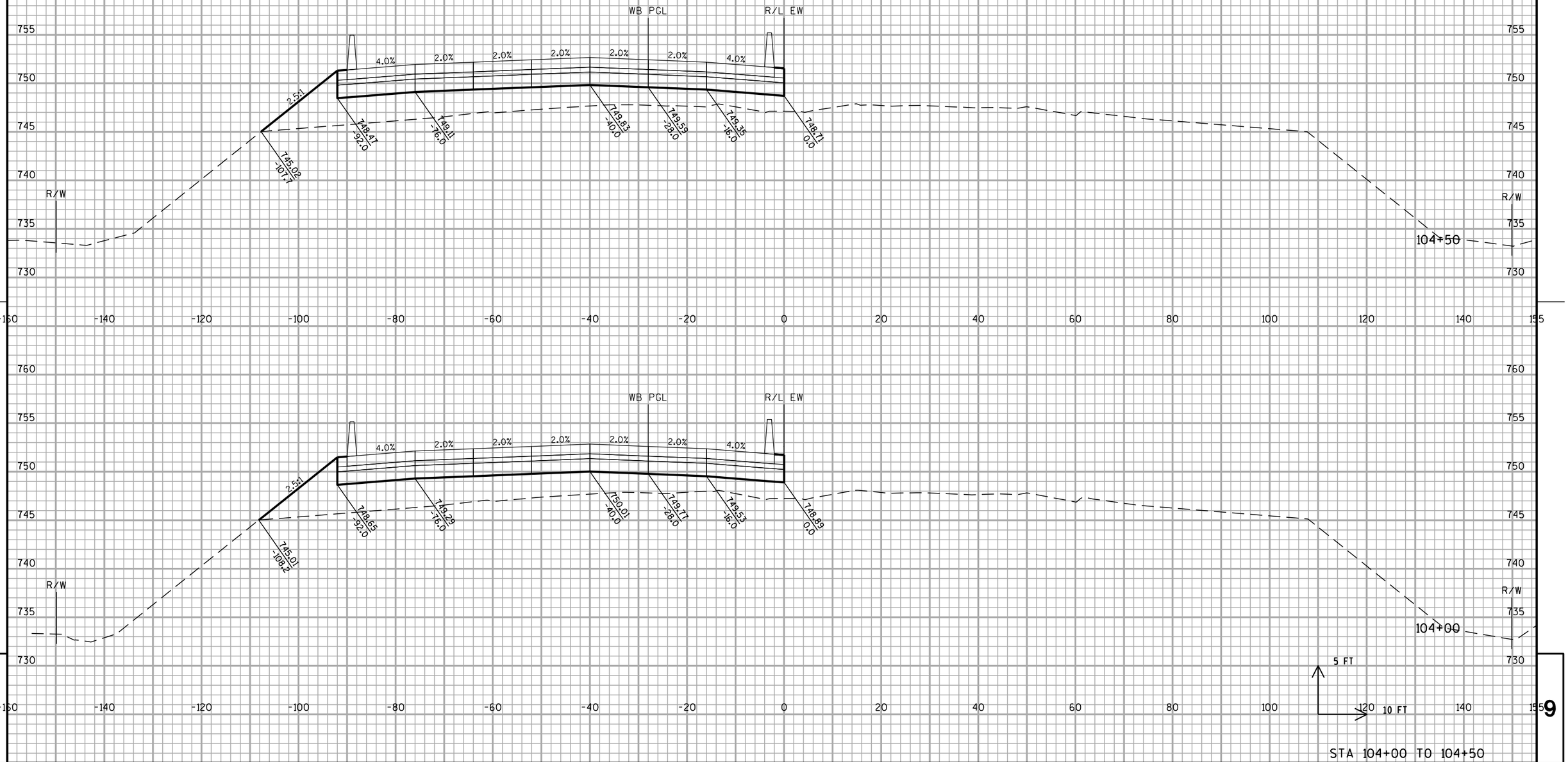
ALL WORK STAGE 6



STA 103+00 TO 103+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

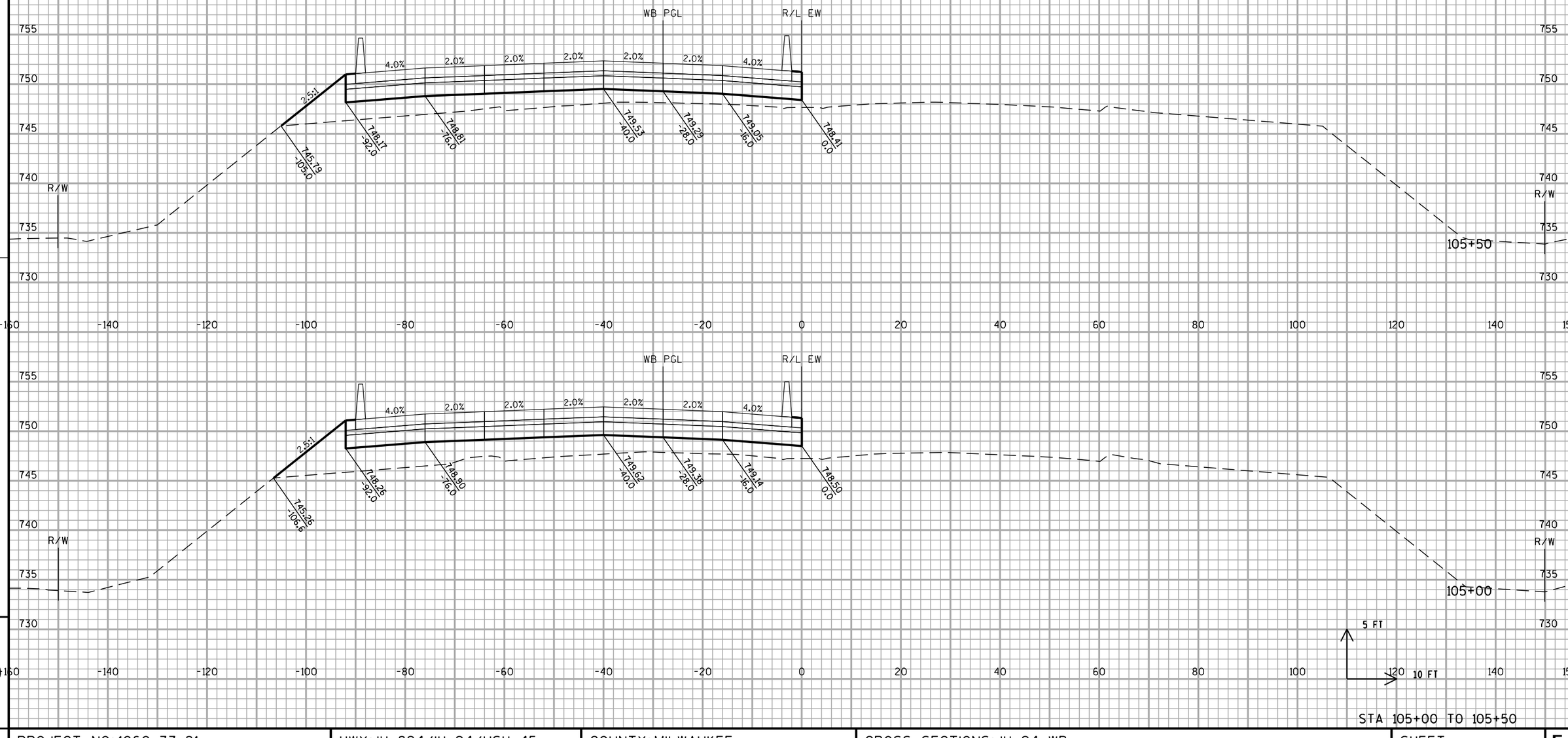


STA 104+00 TO 104+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

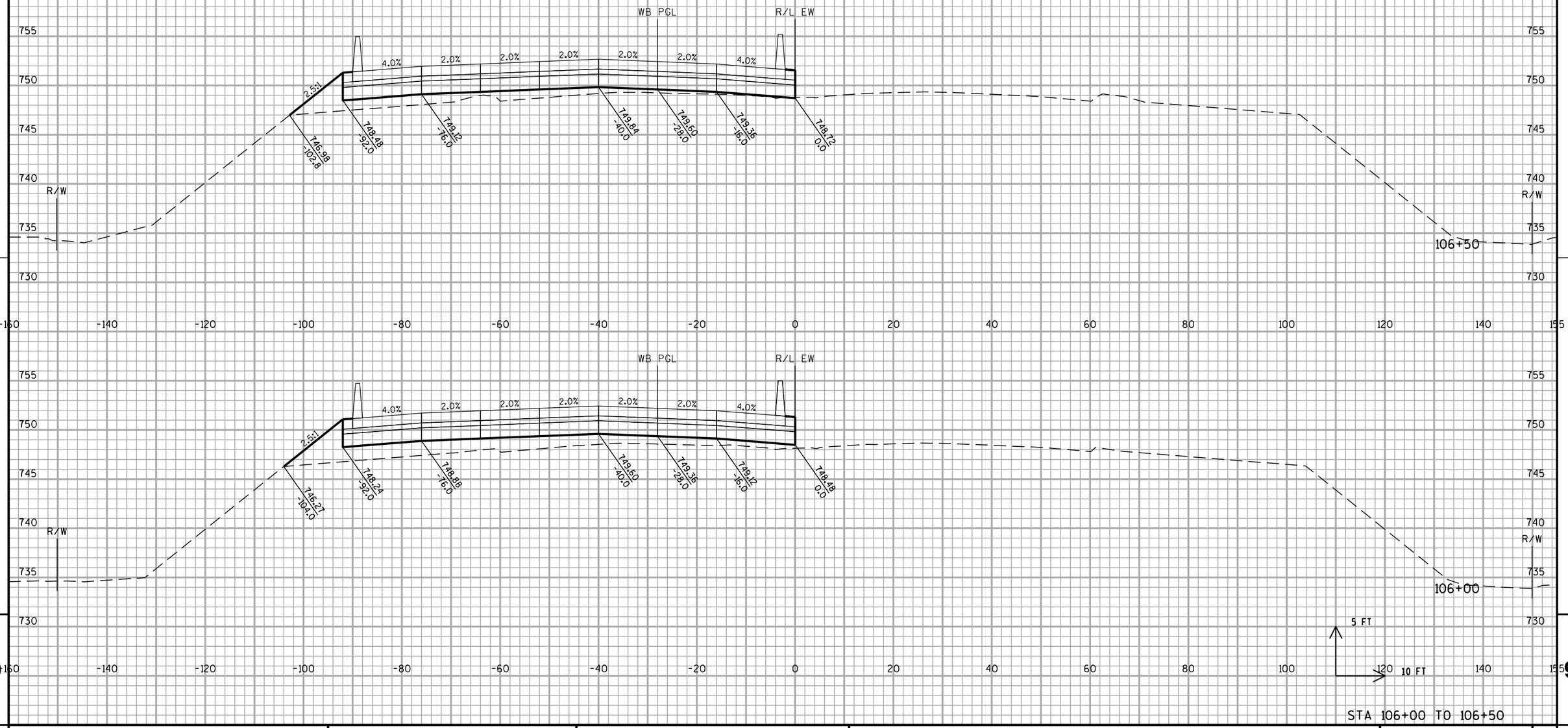
ALL WORK STAGE 6



STA 105+00 TO 105+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

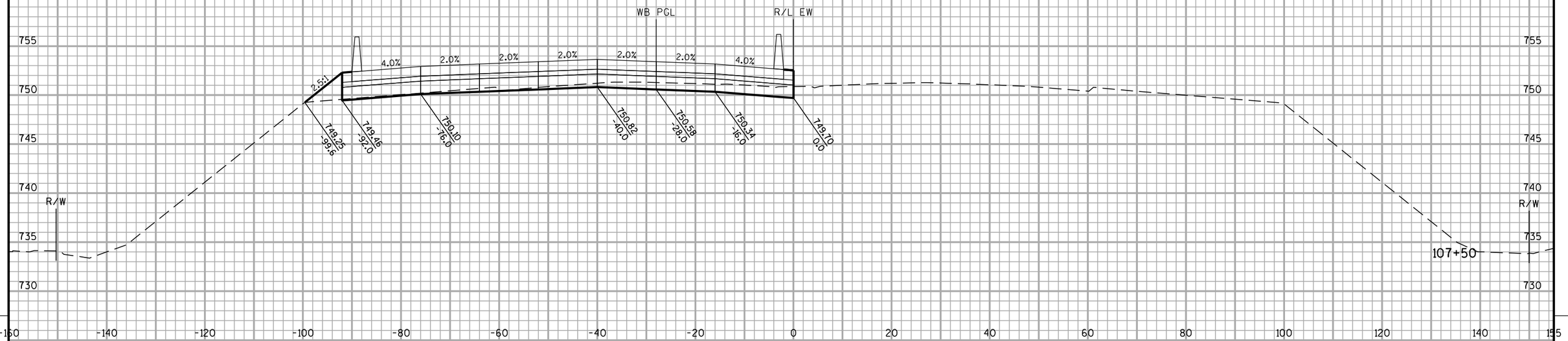
ALL WORK STAGE 6

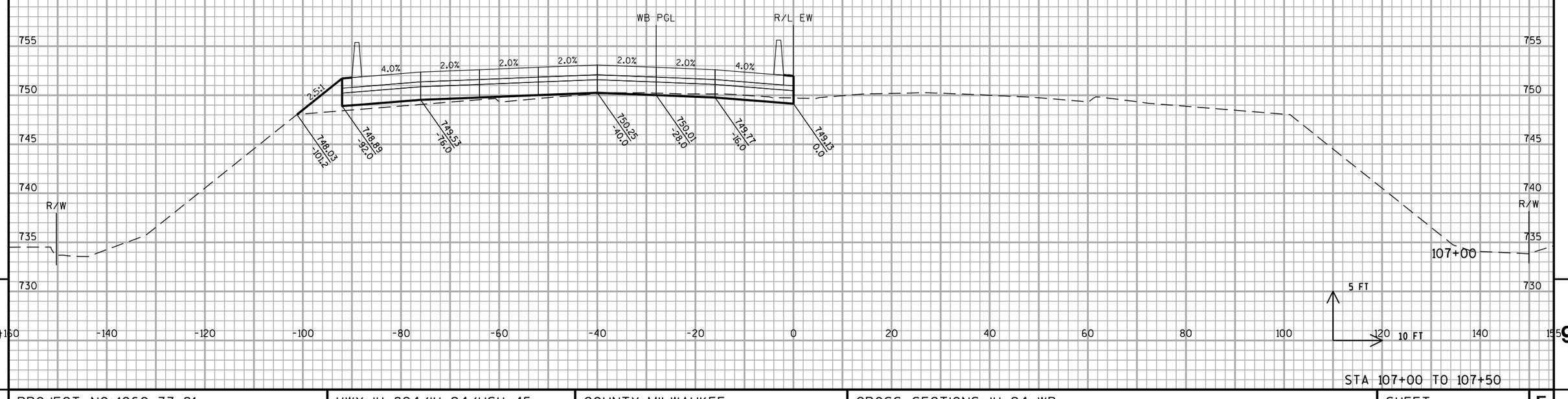


STA 106+00 TO 106+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6





9

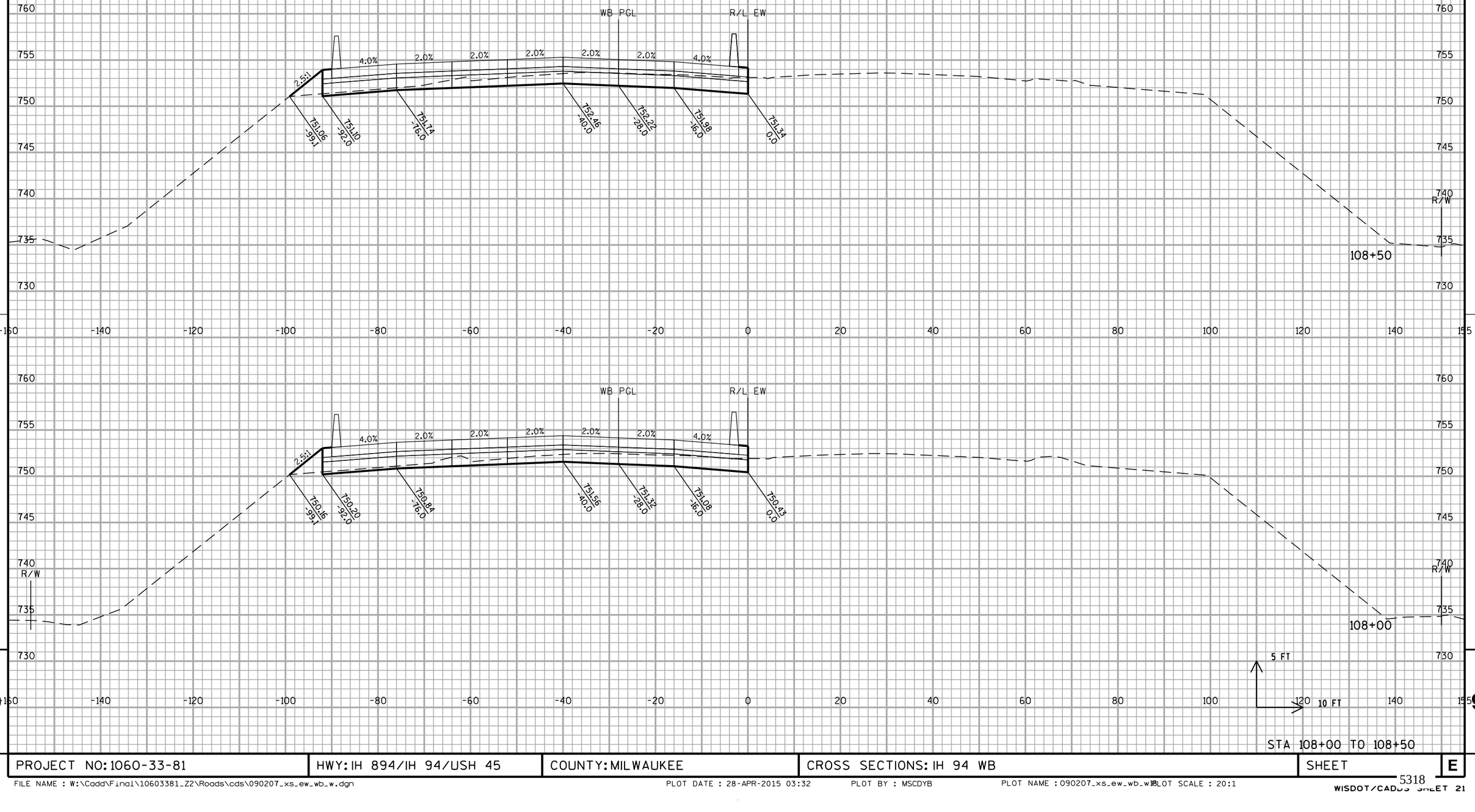
9

STA 107+00 TO 107+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:32
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

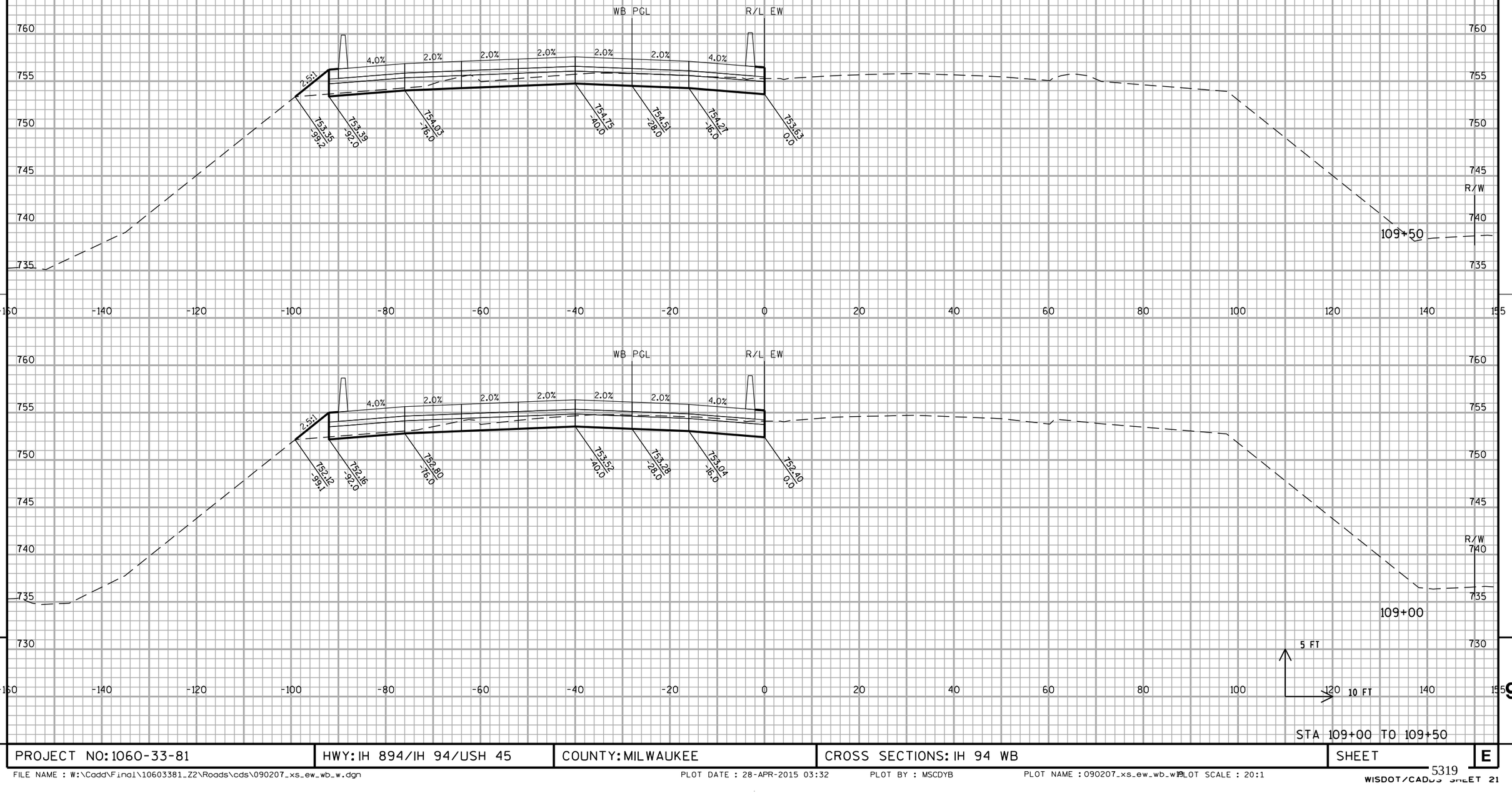
ALL WORK STAGE 6



STA 108+00 TO 108+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

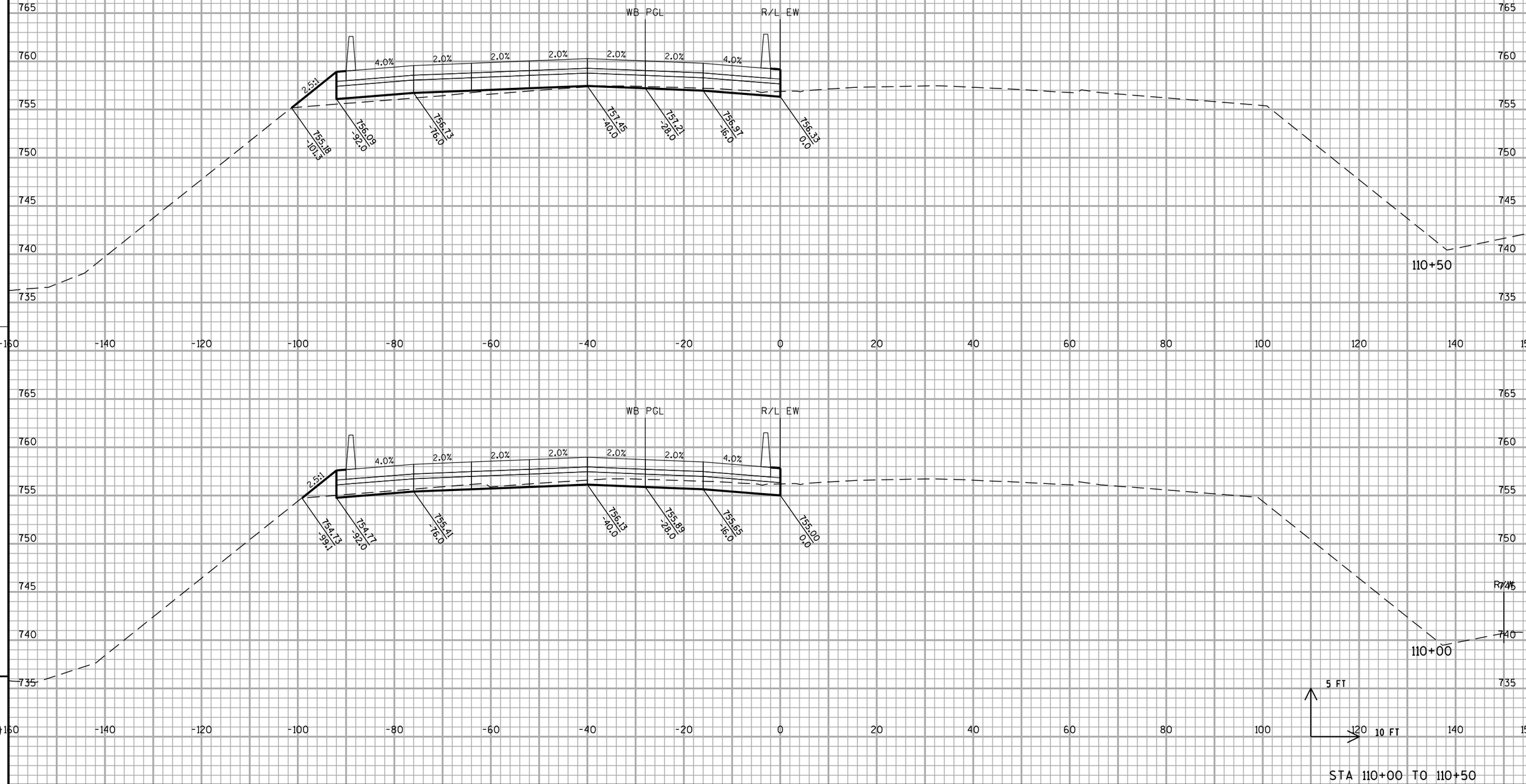


STA 109+00 TO 109+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:32
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

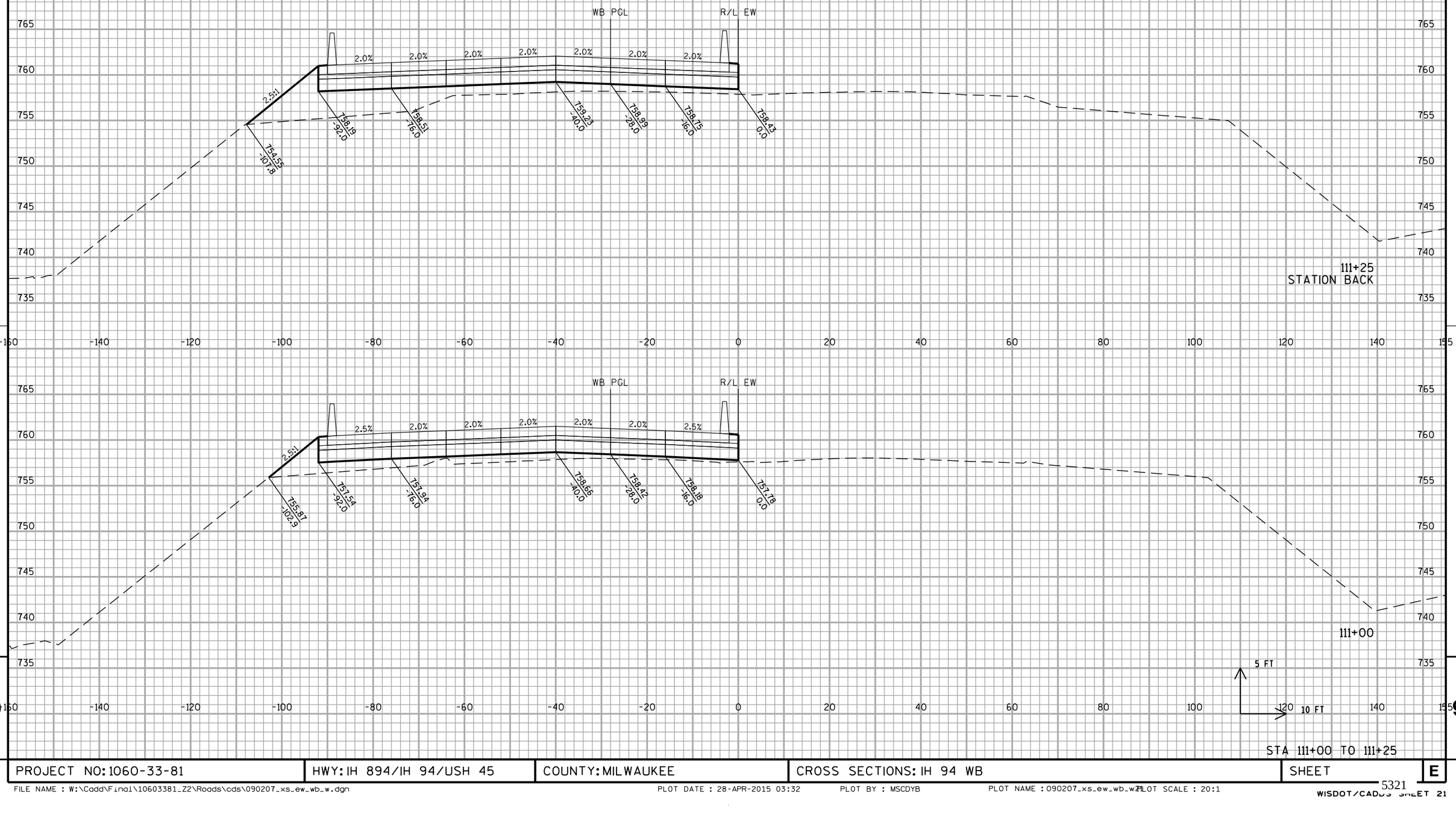
ALL WORK STAGE 6



STA 110+00 TO 110+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

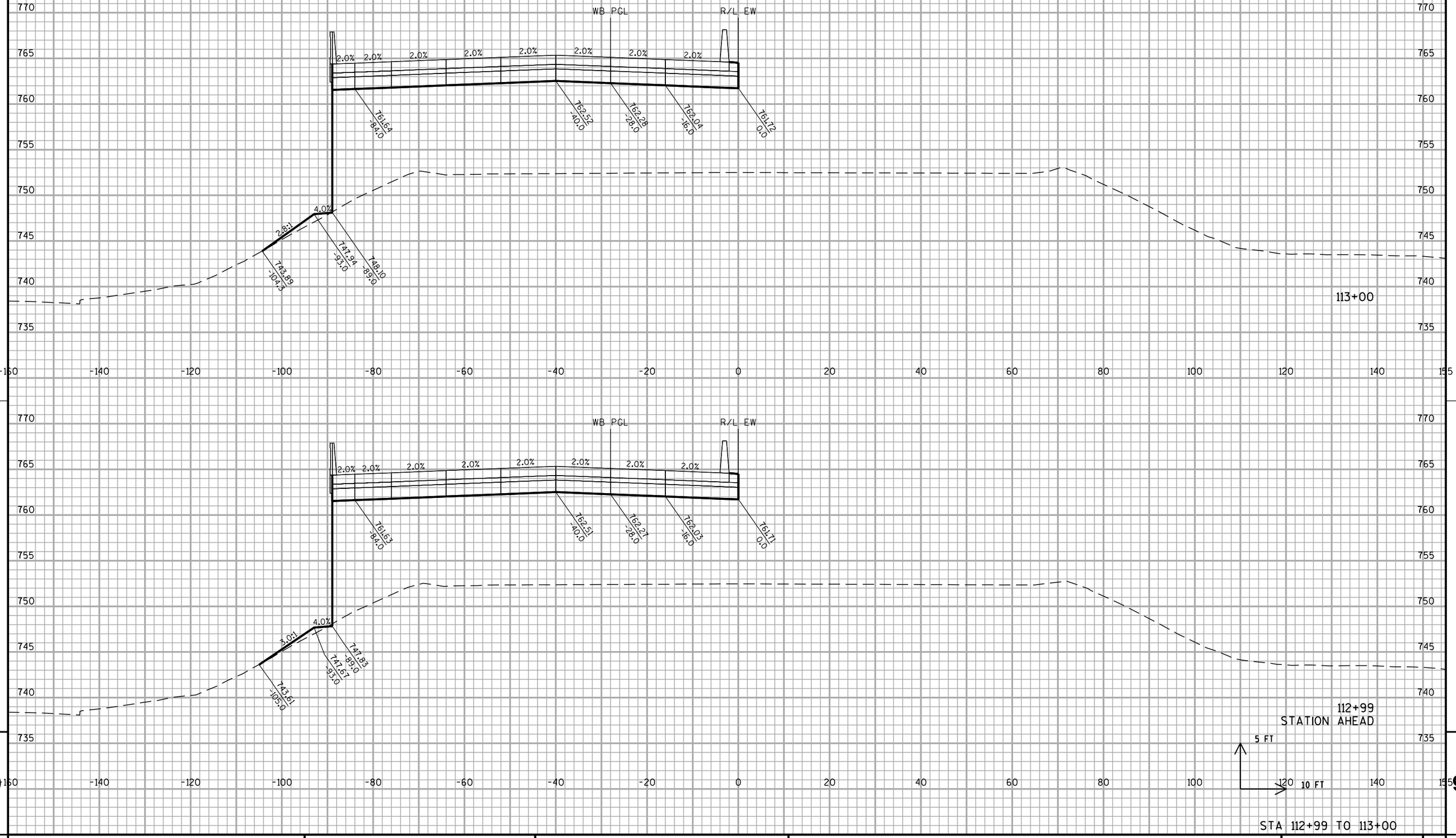
ALL WORK STAGE 6



STA 111+00 TO 111+25

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

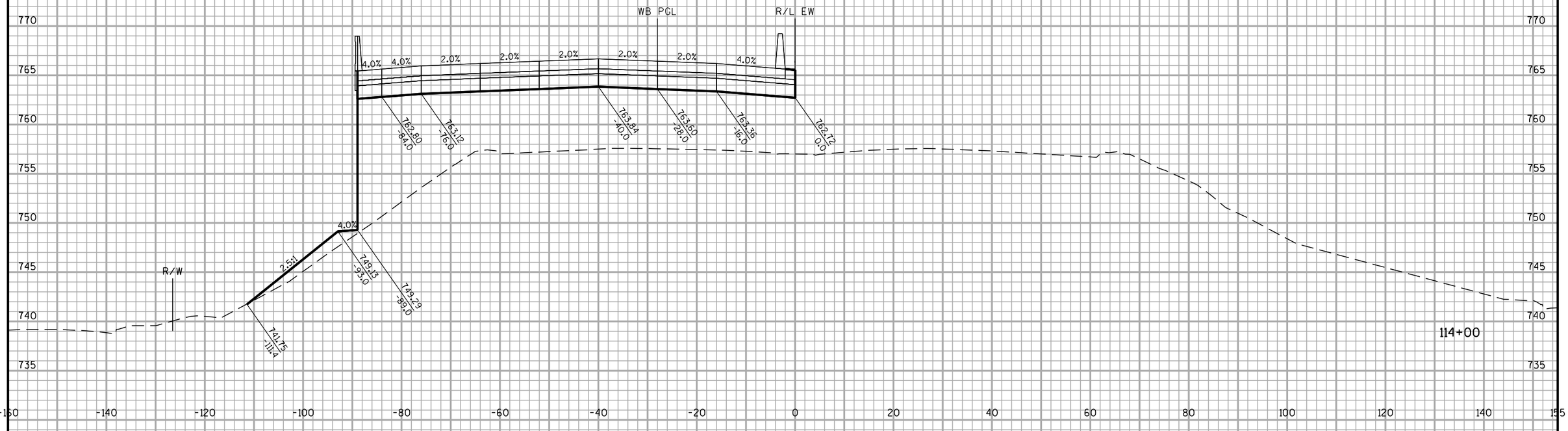
ALL WORK STAGE 6

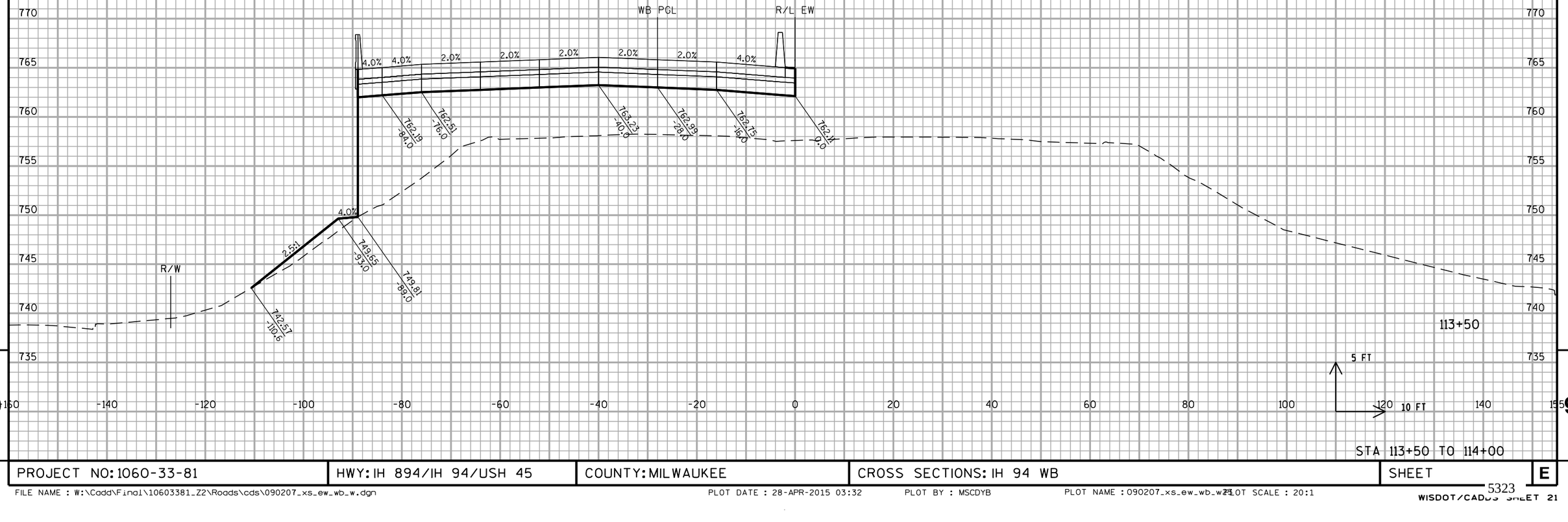


STA 112+99 TO 113+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



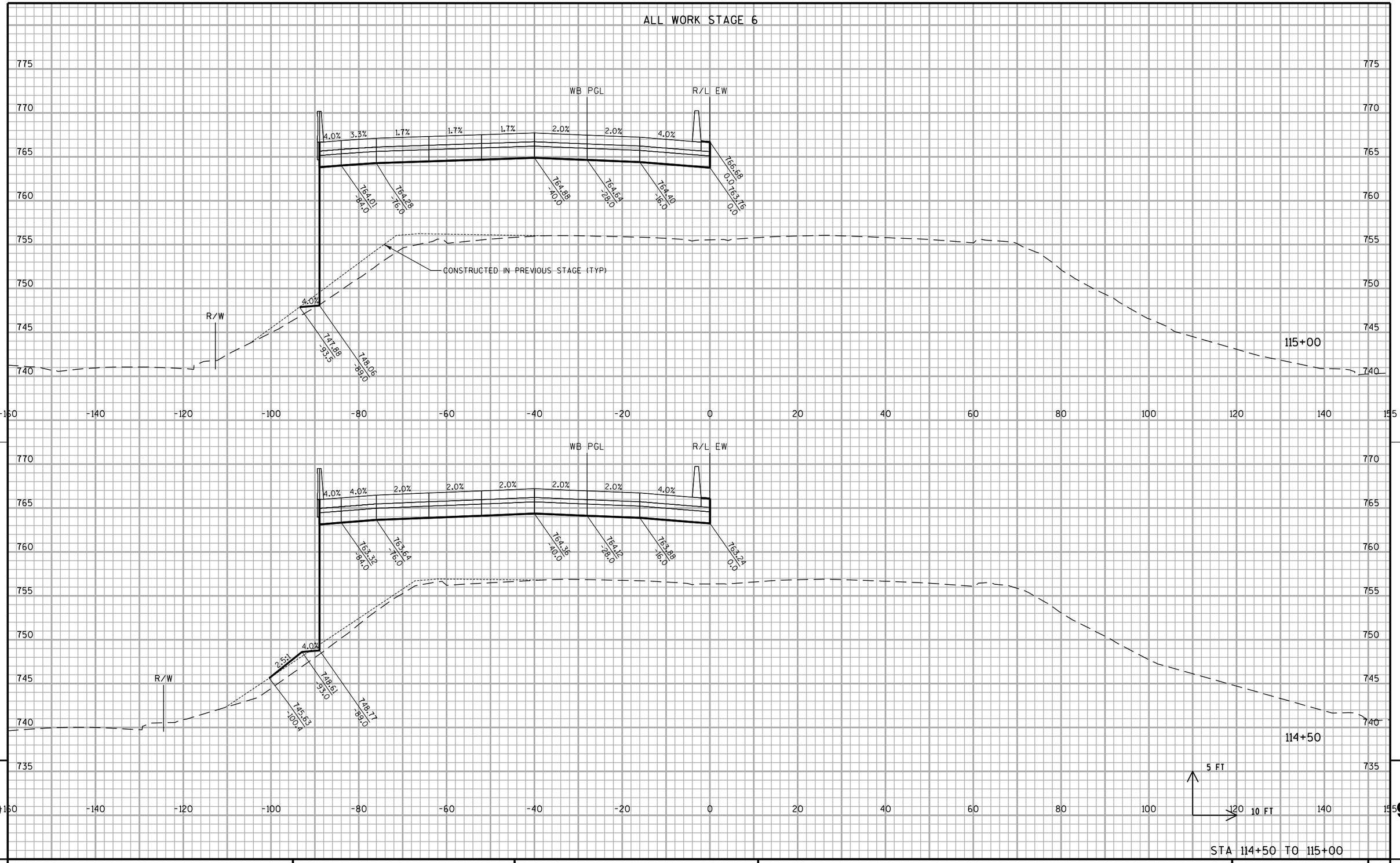


STA 113+50 TO 114+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

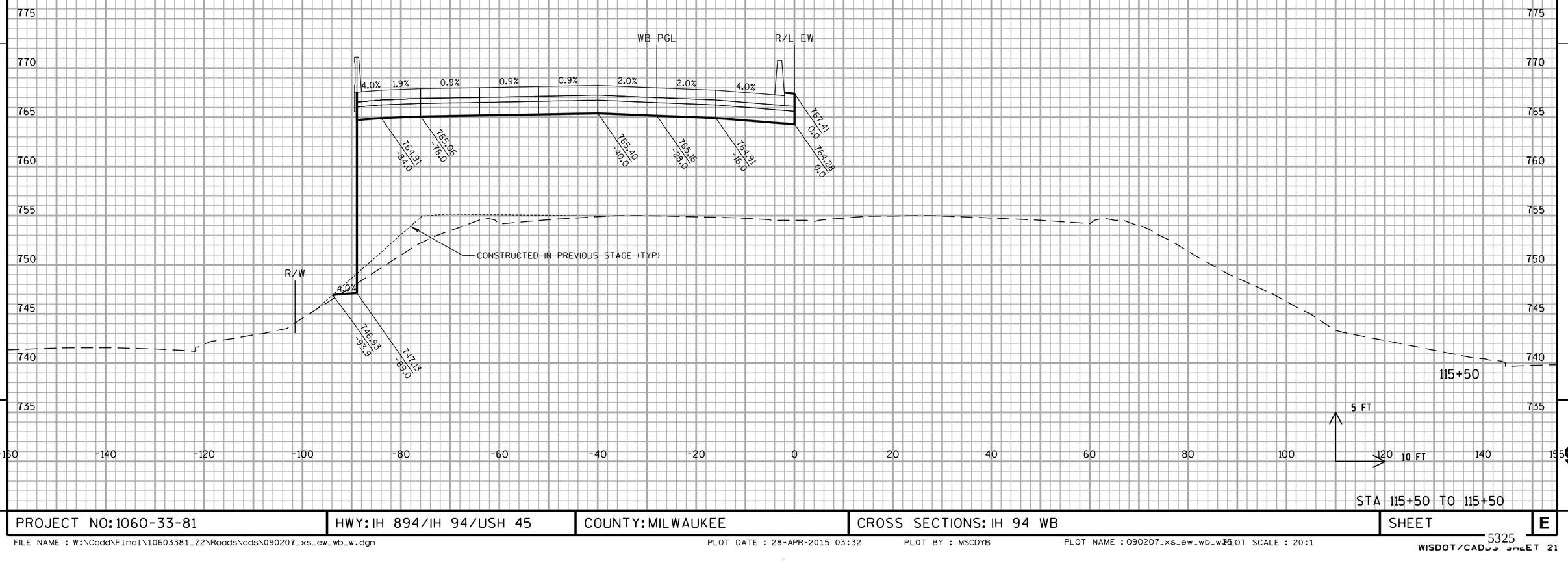
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w21 PLOT SCALE : 20:1

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

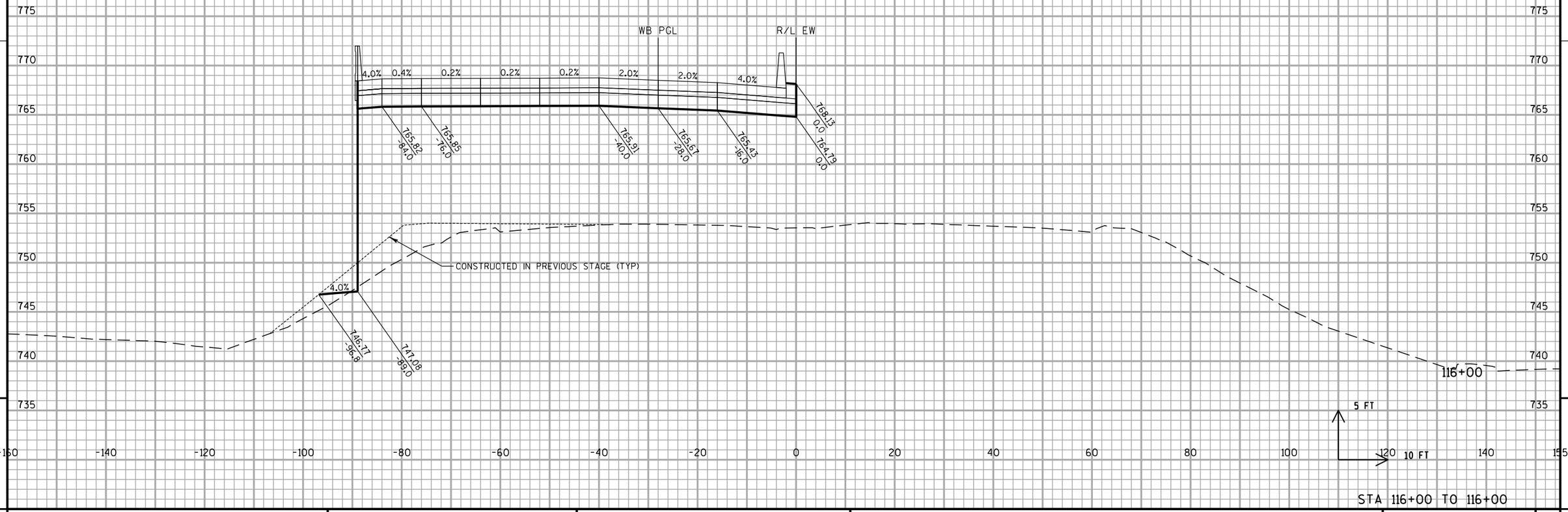
ALL WORK STAGE 6



STA 115+50 TO 115+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

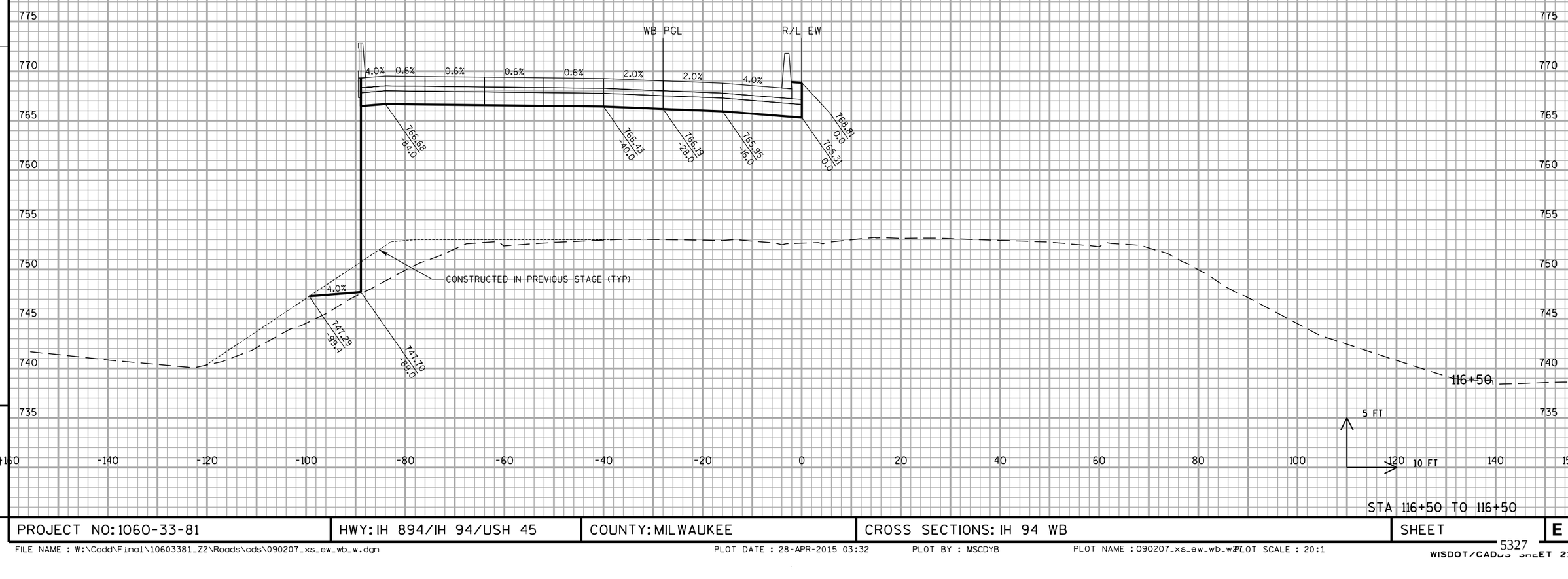
ALL WORK STAGE 6



STA 116+00 TO 116+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



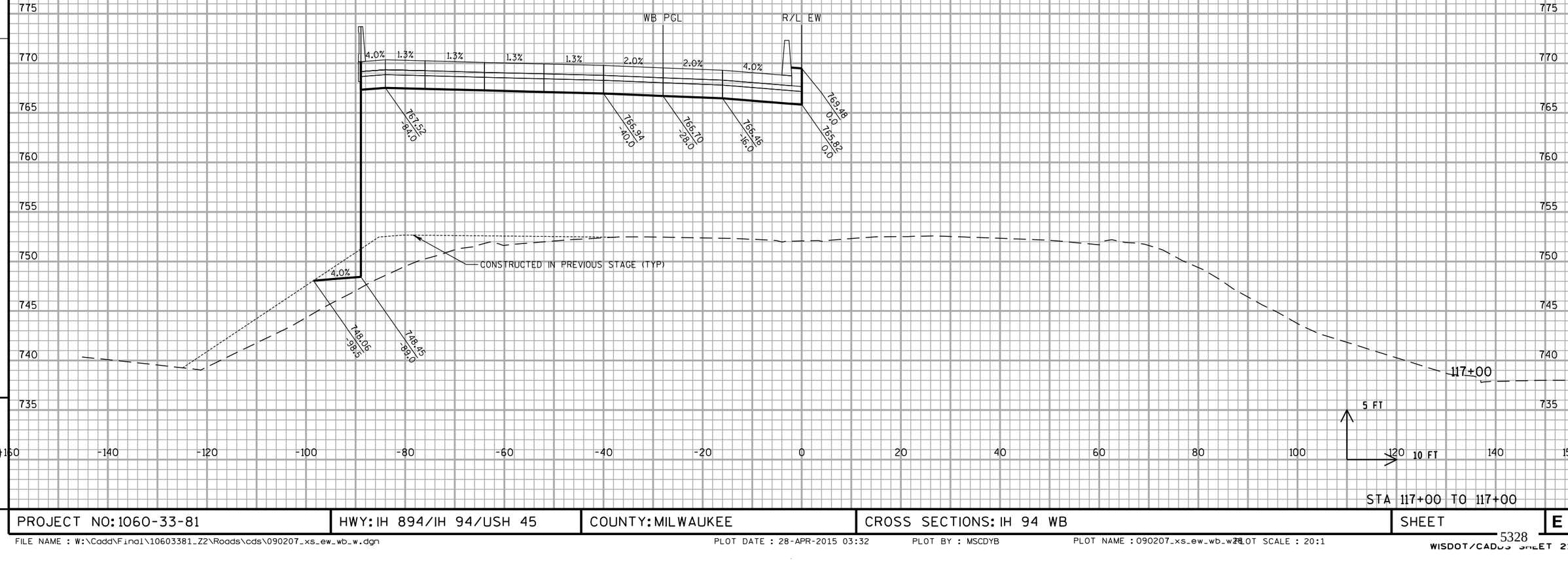
STA 116+50 TO 116+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

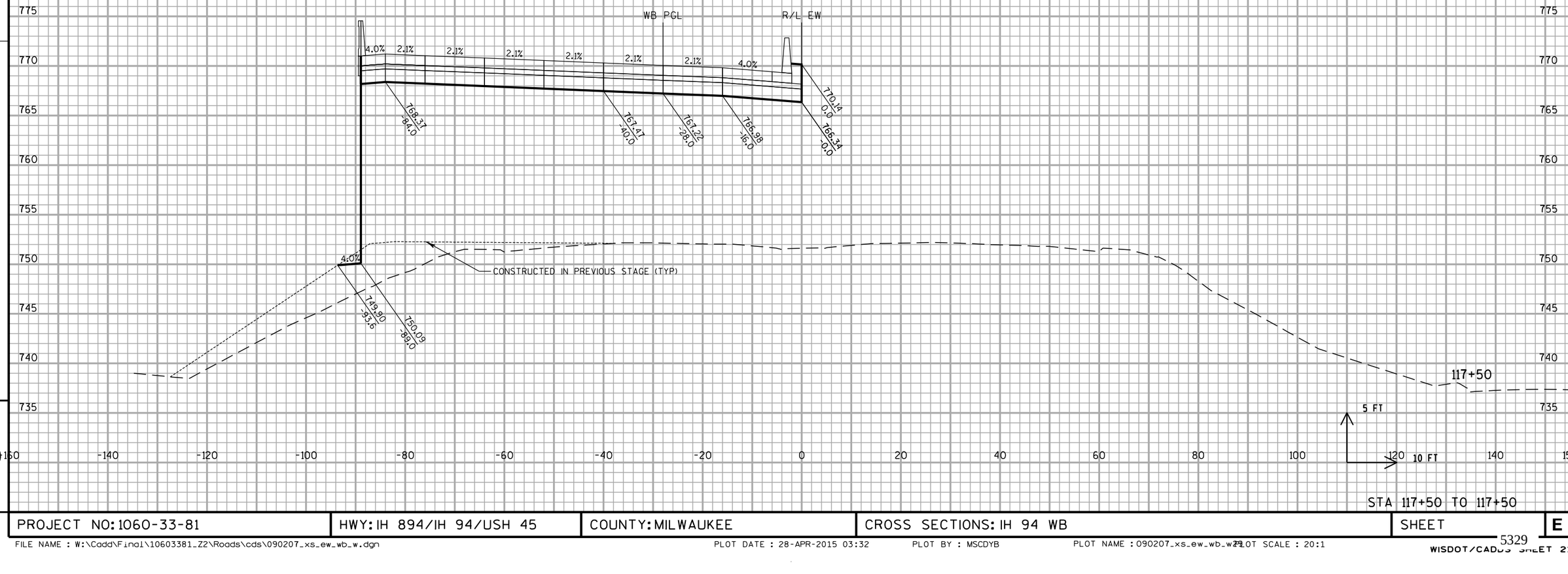
ALL WORK STAGE 6



STA 117+00 TO 117+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

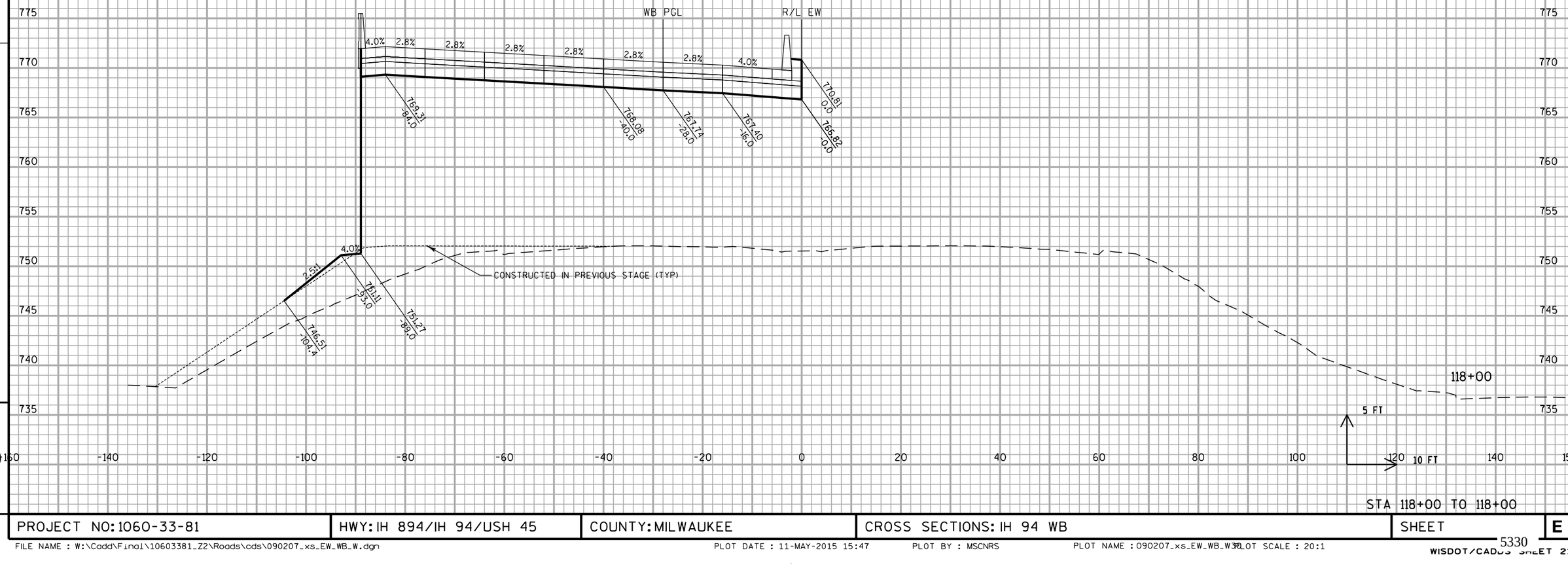
ALL WORK STAGE 6



STA 117+50 TO 117+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

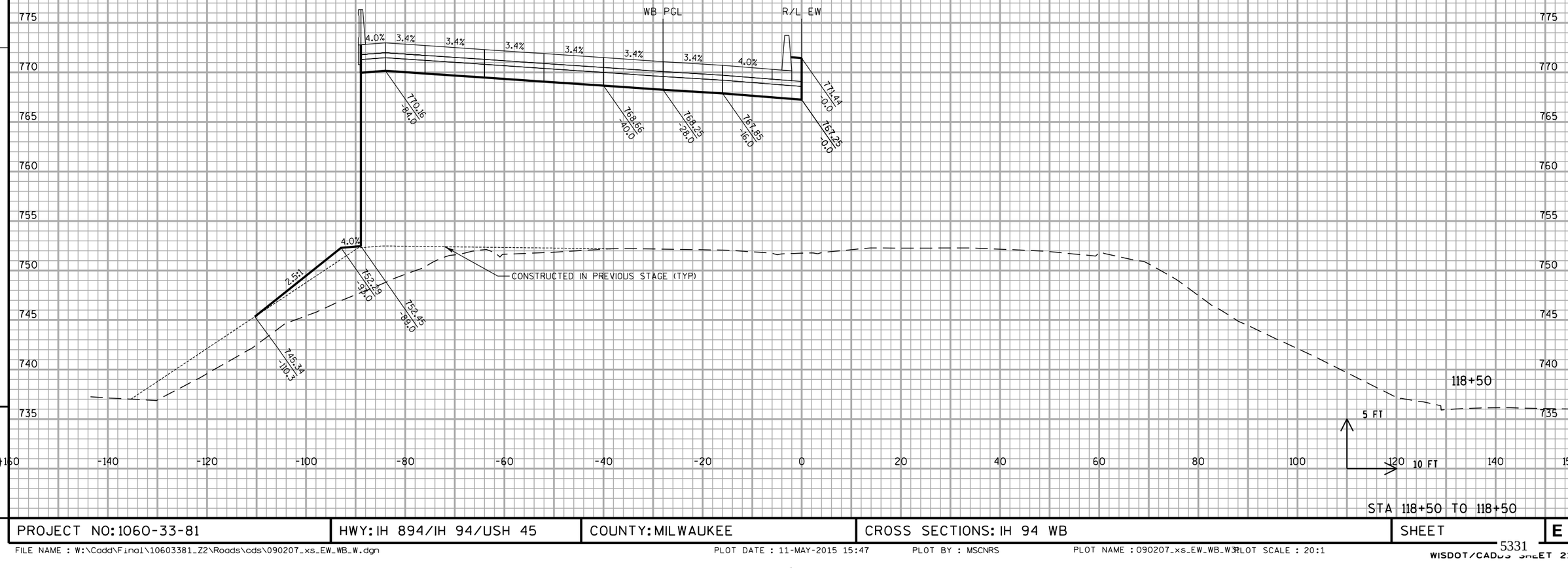


STA 118+00 TO 118+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 11-MAY-2015 15:47 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W PLOT SCALE : 20:1

ALL WORK STAGE 6

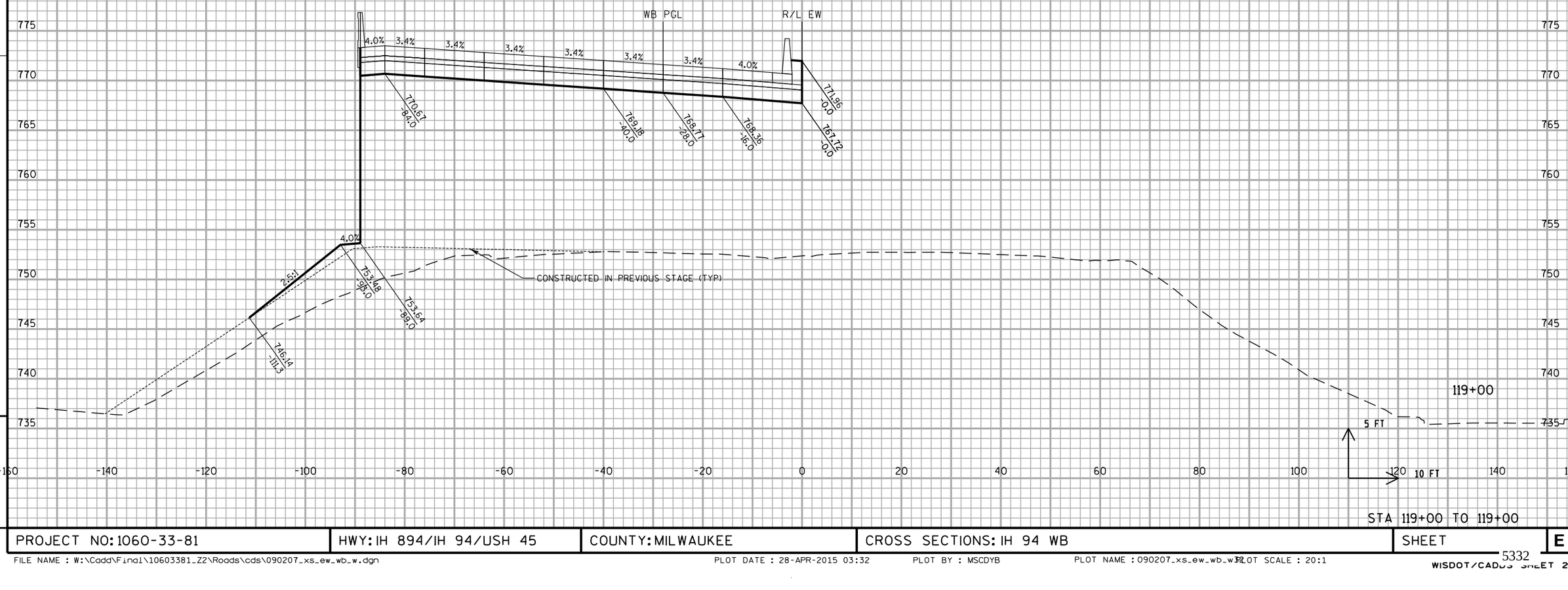


STA 118+50 TO 118+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn
PLOT DATE : 11-MAY-2015 15:47
PLOT BY : MSCNRS
PLOT NAME : 090207_xs_EW_WB_W3
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

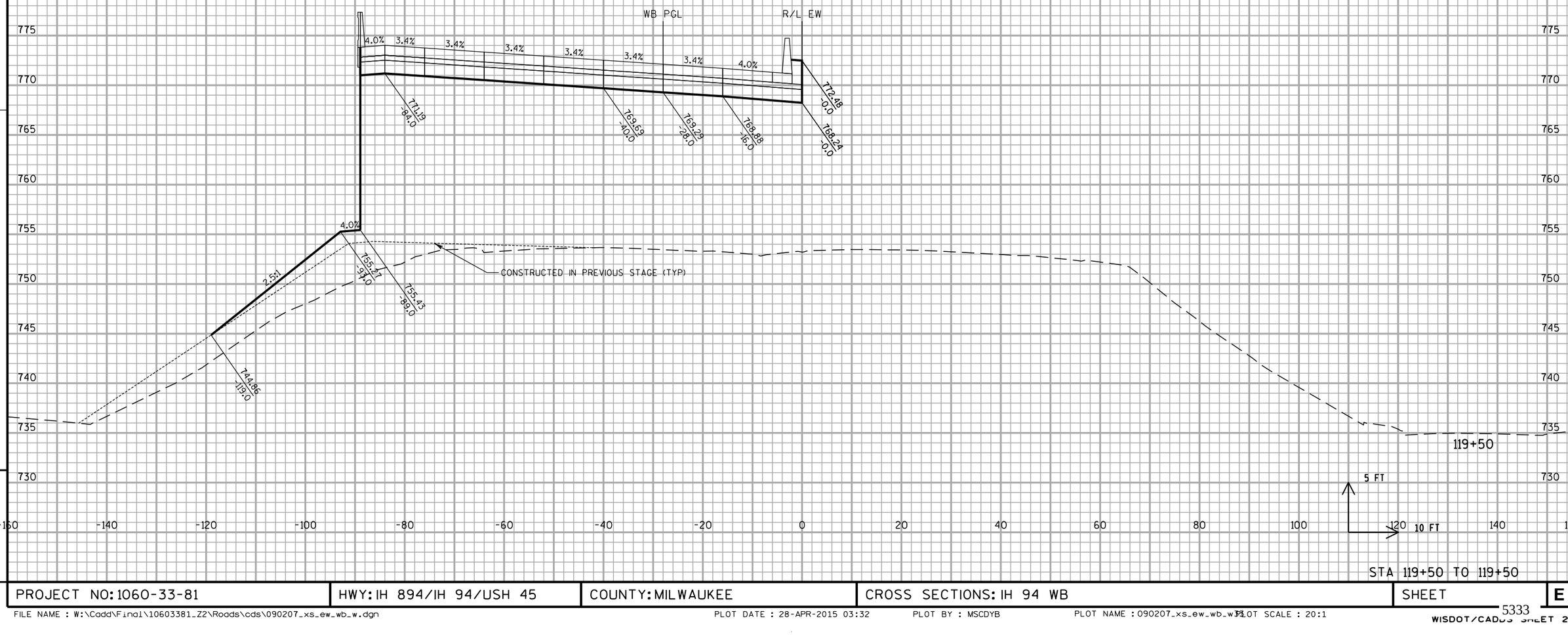


STA 119+00 TO 119+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

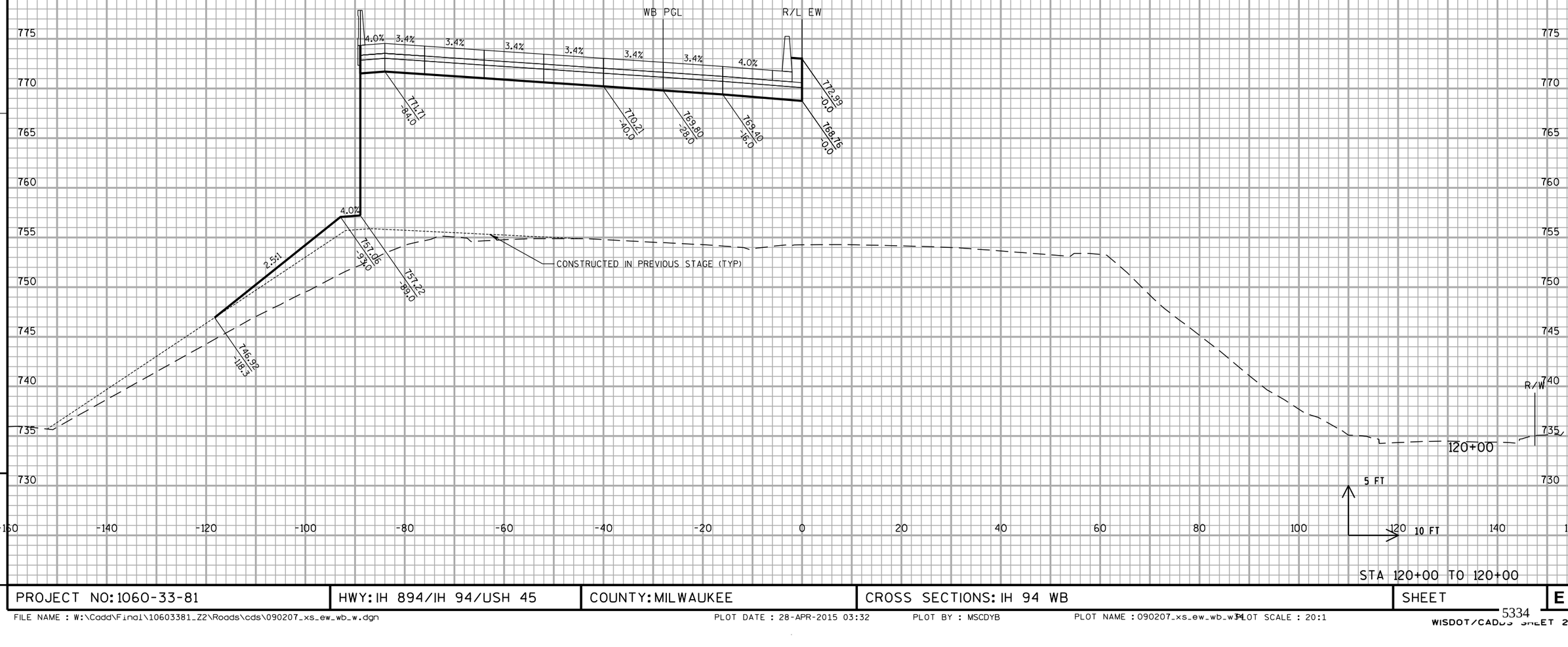
ALL WORK STAGE 6



STA 119+50 TO 119+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

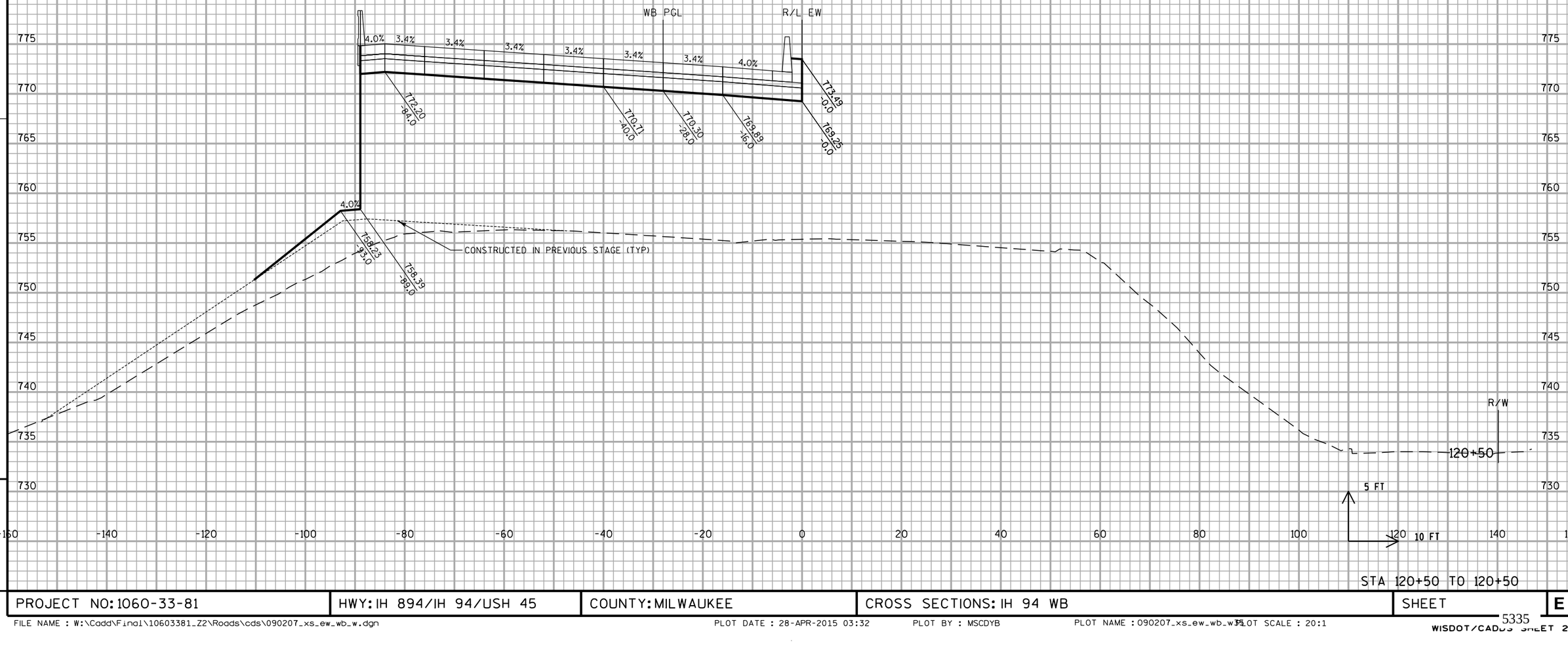
ALL WORK STAGE 6



STA 120+00 TO 120+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

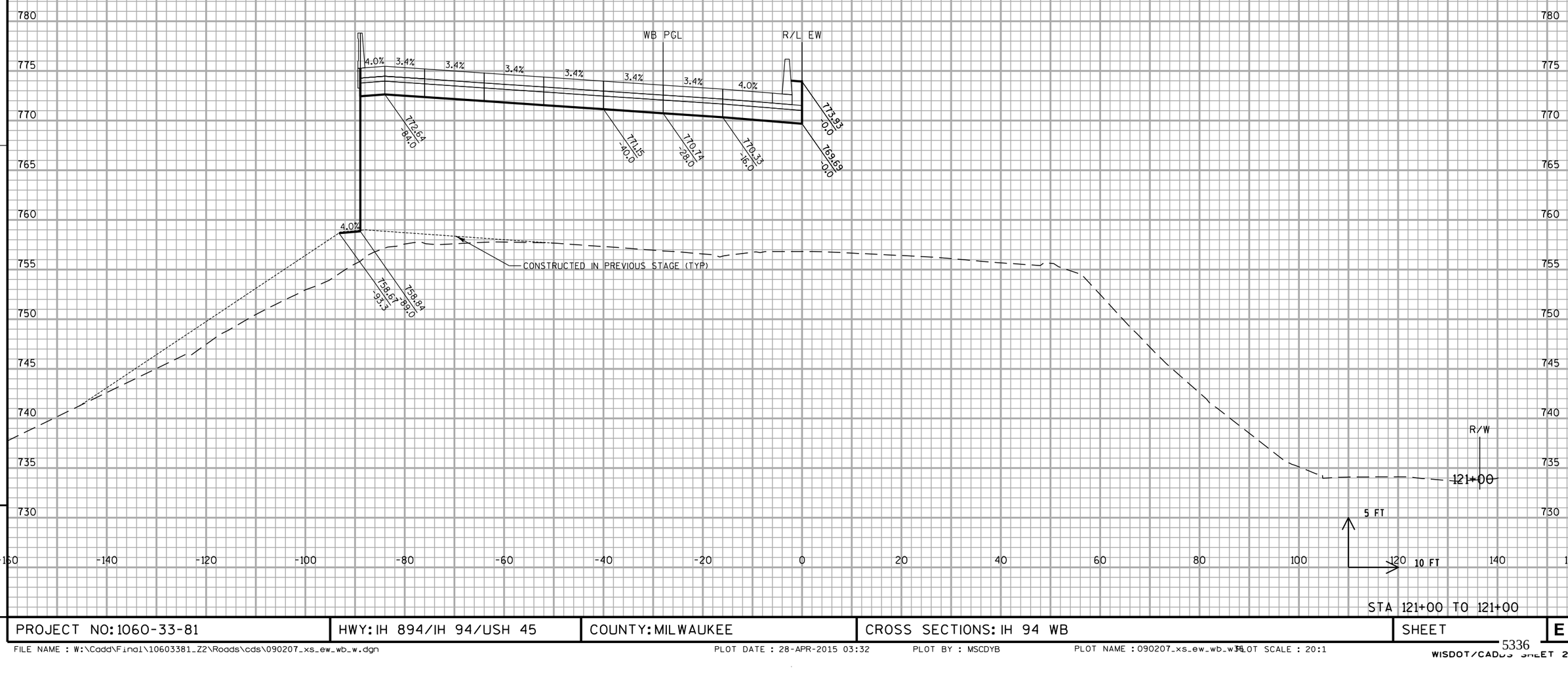
ALL WORK STAGE 6



STA 120+50 TO 120+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

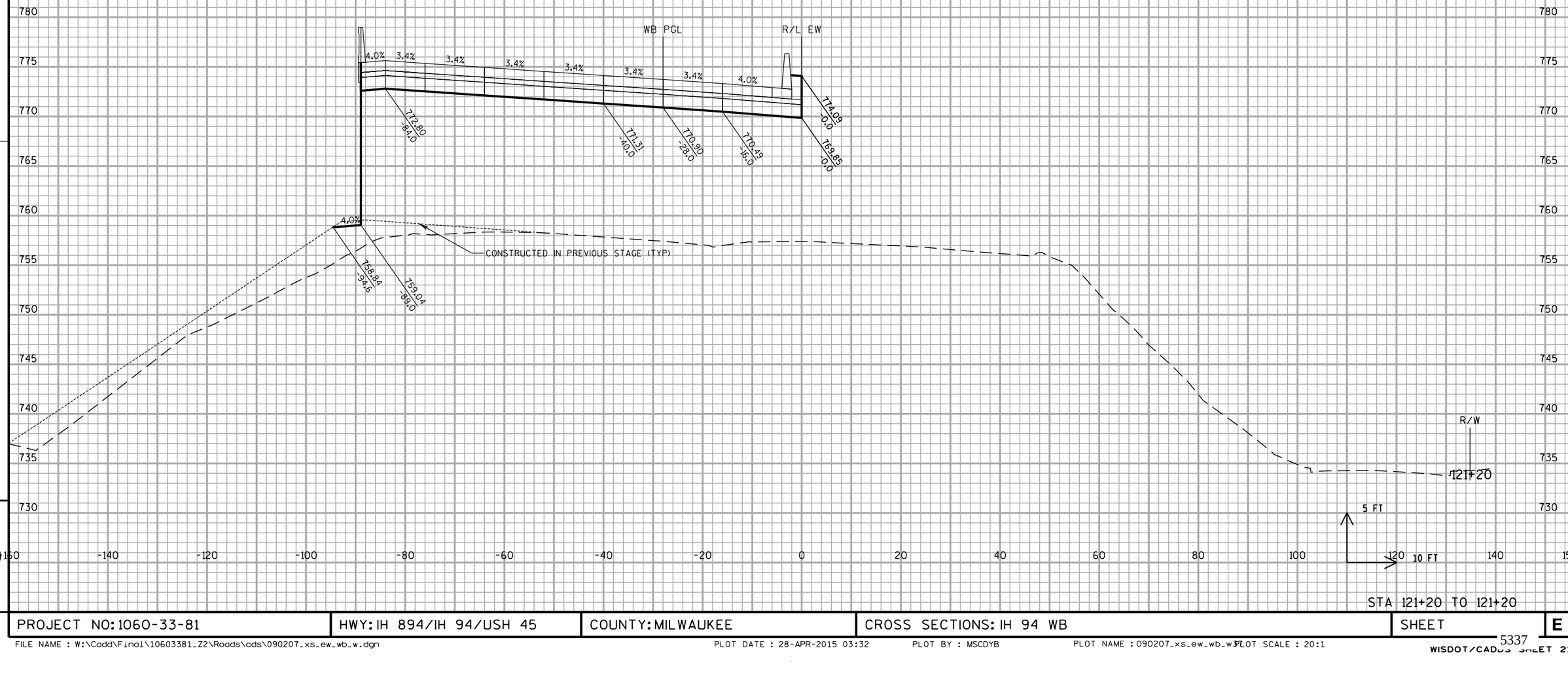
ALL WORK STAGE 6



STA 121+00 TO 121+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

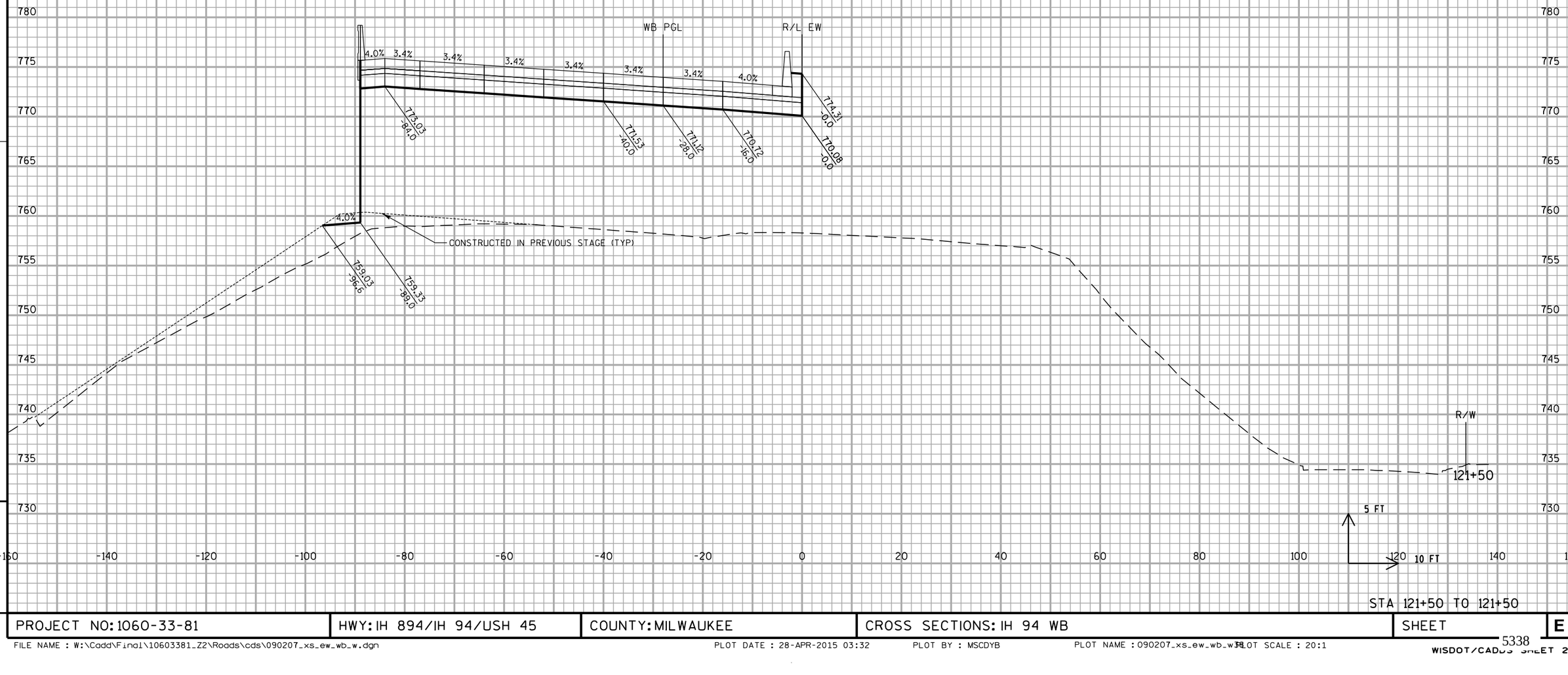
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

STA 121+20 TO 121+20

ALL WORK STAGE 6

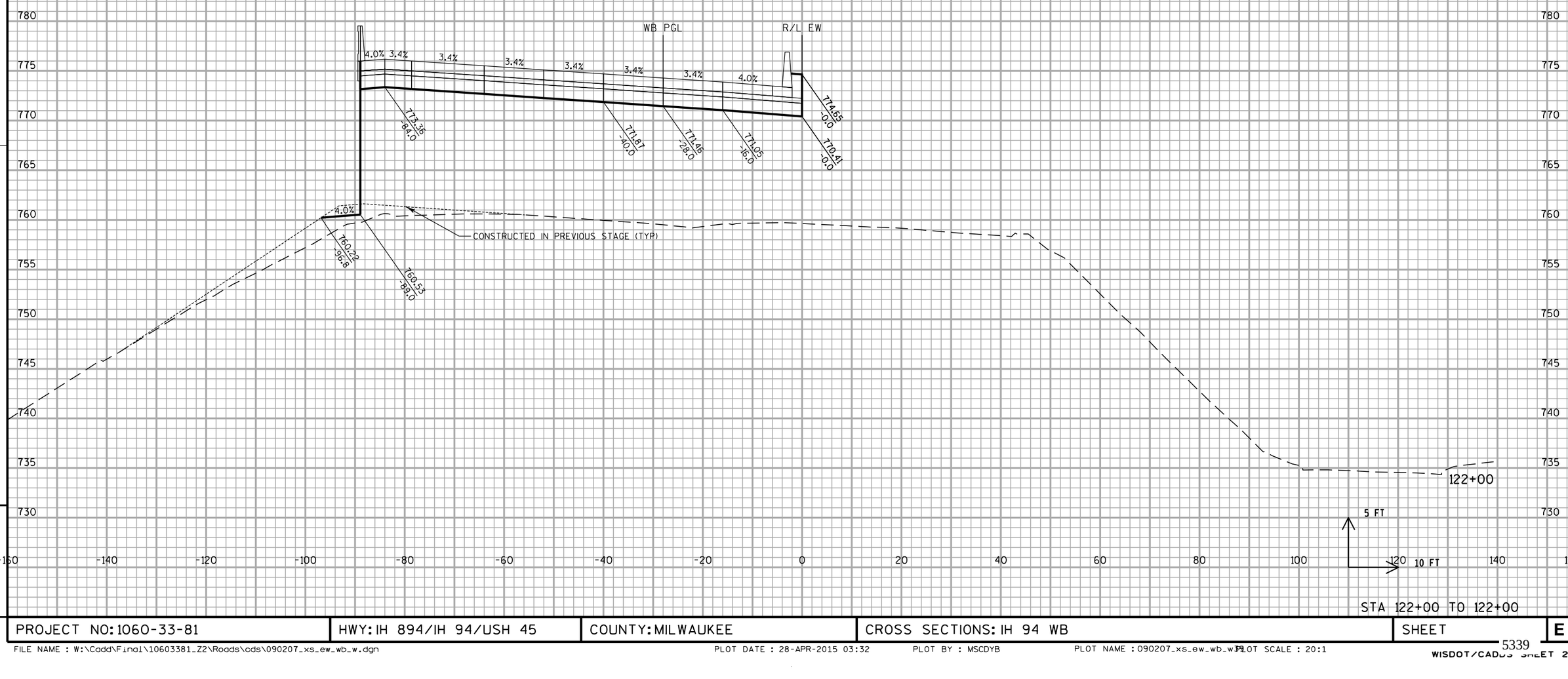


STA 121+50 TO 121+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

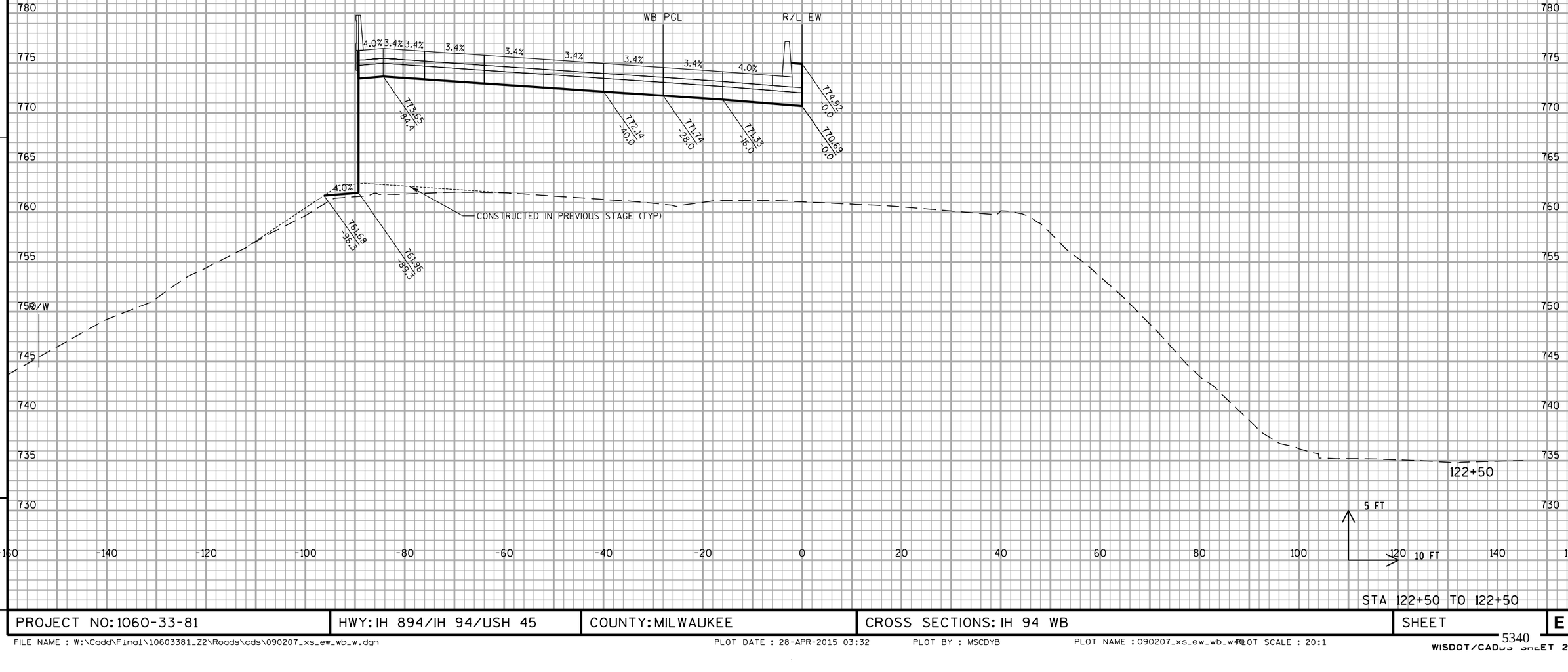


STA 122+00 TO 122+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6



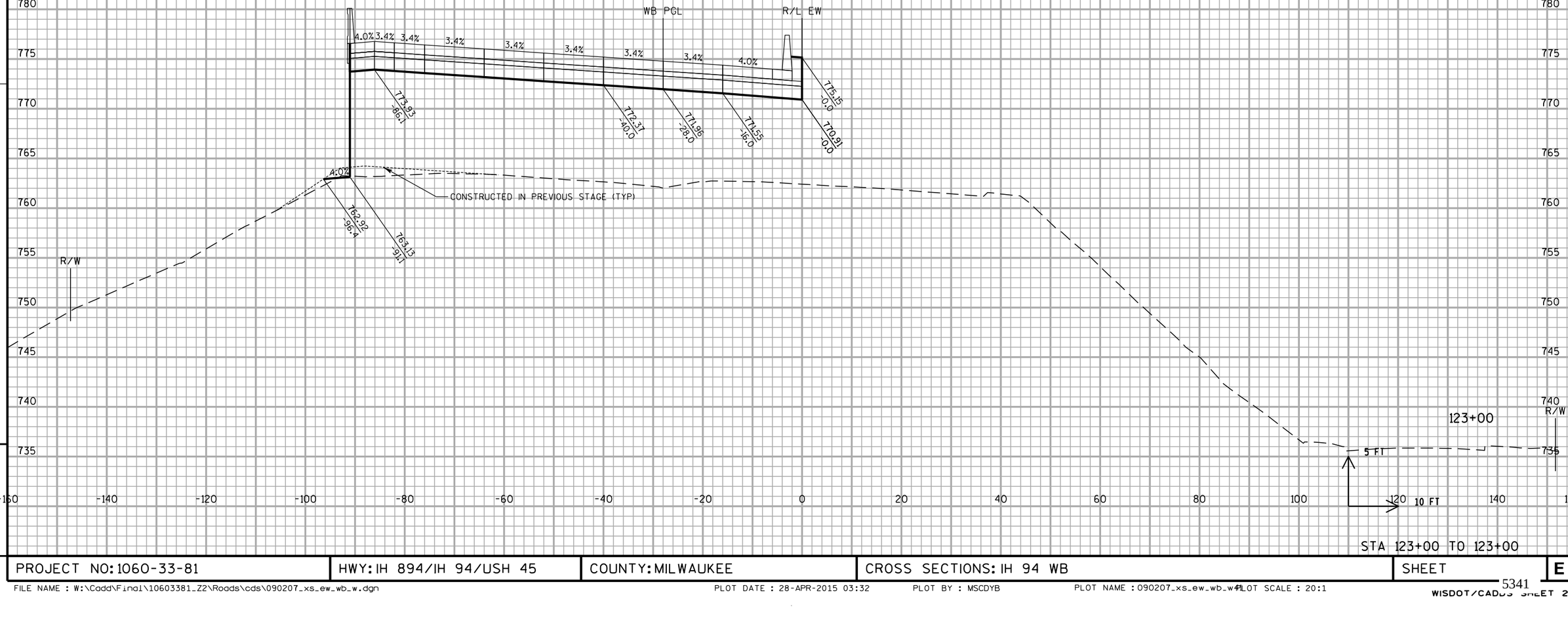
STA 122+50 TO 122+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pl PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

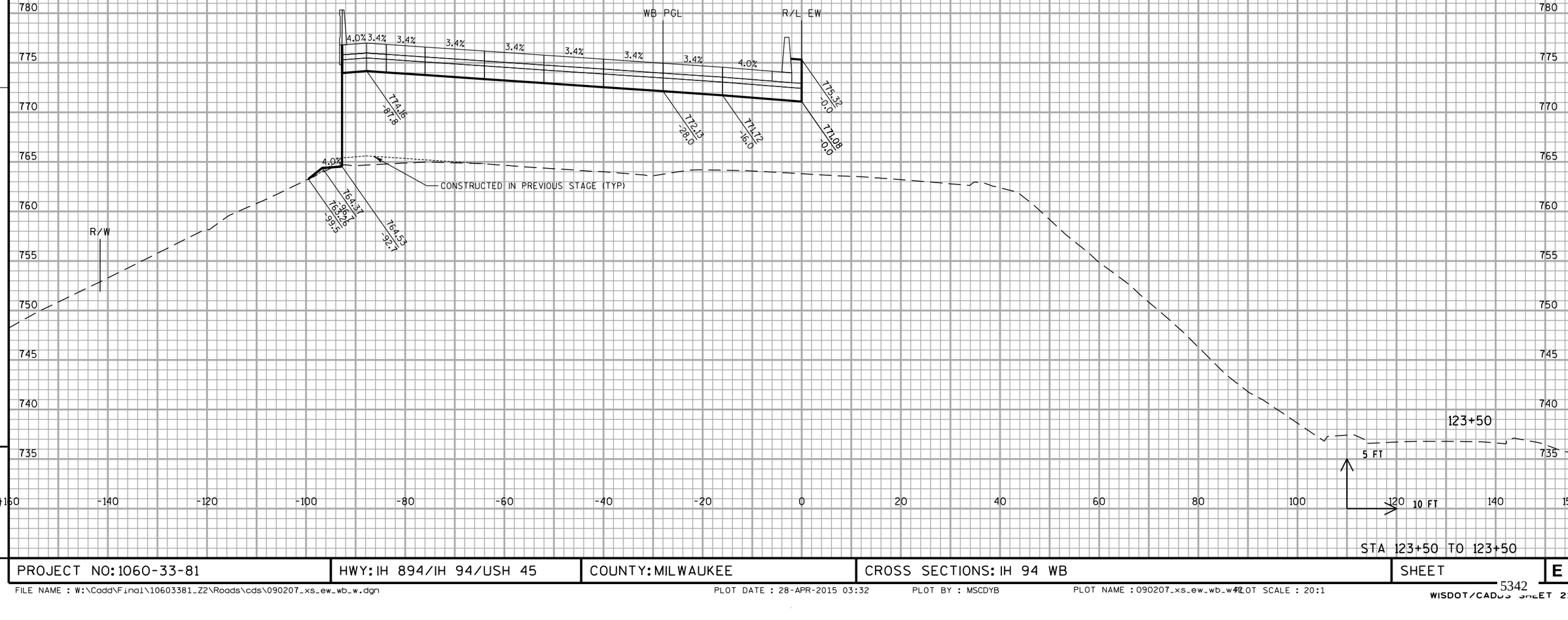


STA 123+00 TO 123+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

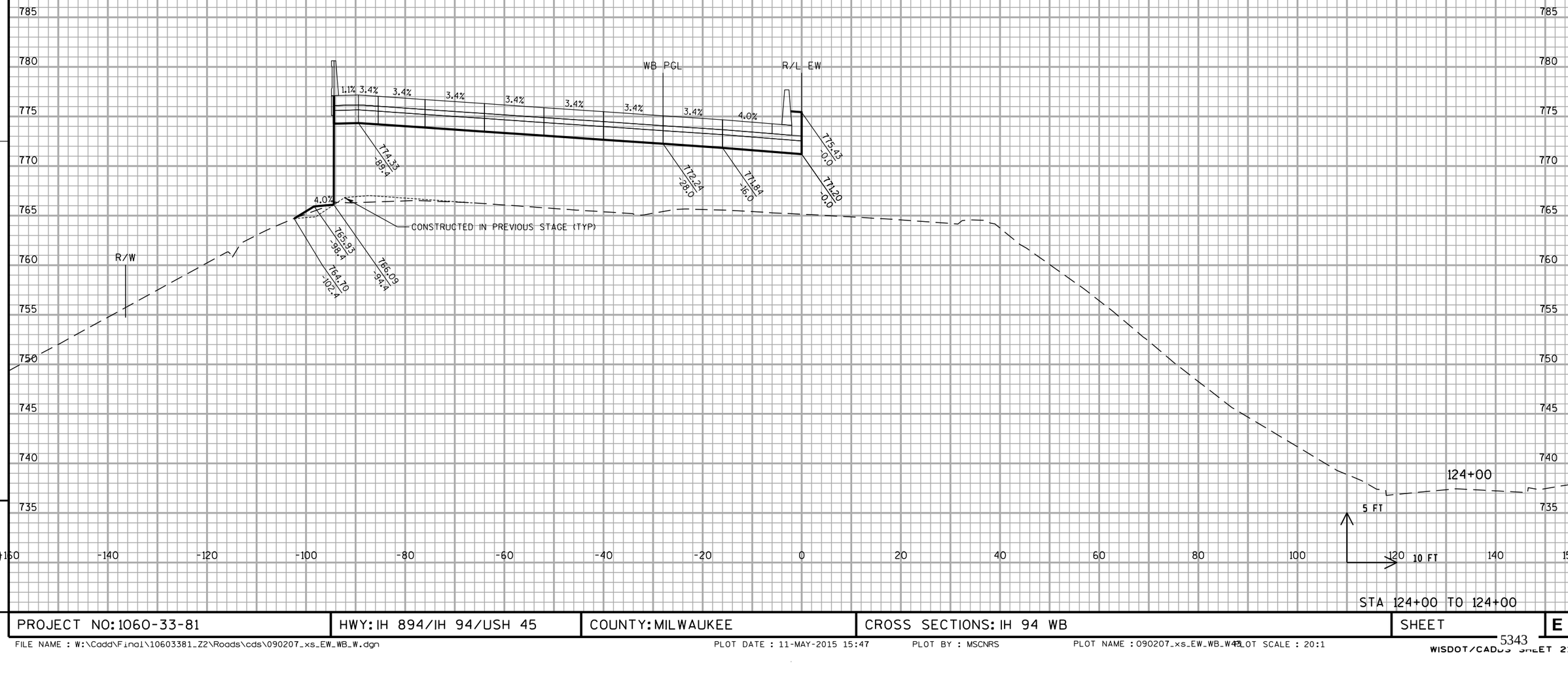


STA 123+50 TO 123+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

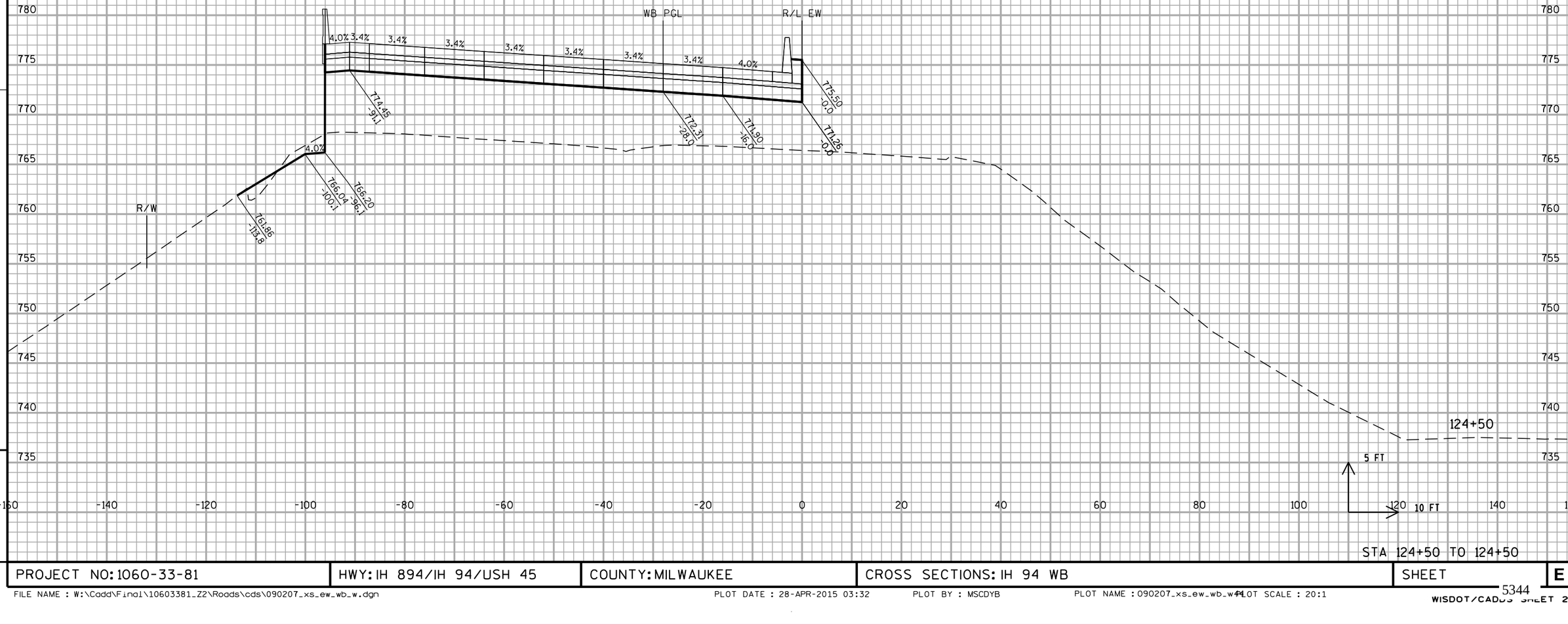


STA 124+00 TO 124+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 11-MAY-2015 15:47 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W43 PLOT SCALE : 20:1

ALL WORK STAGE 6

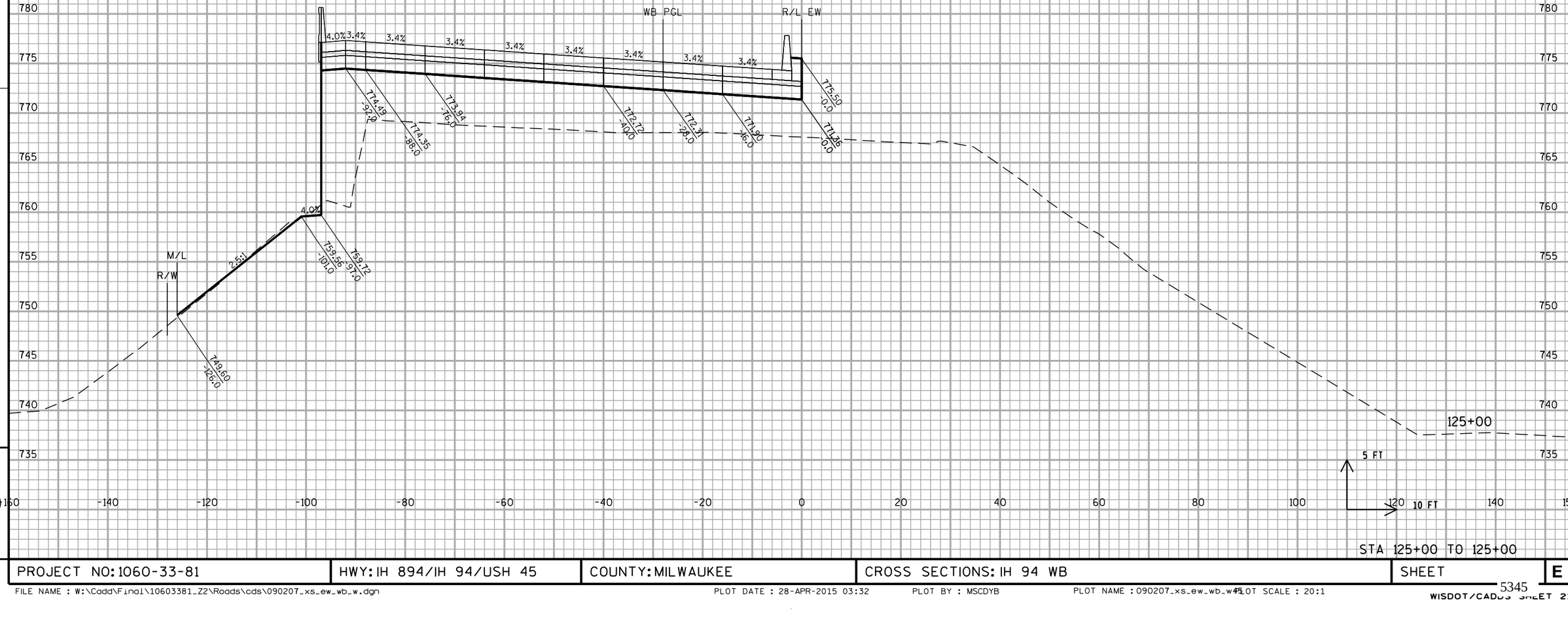


STA 124+50 TO 124+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

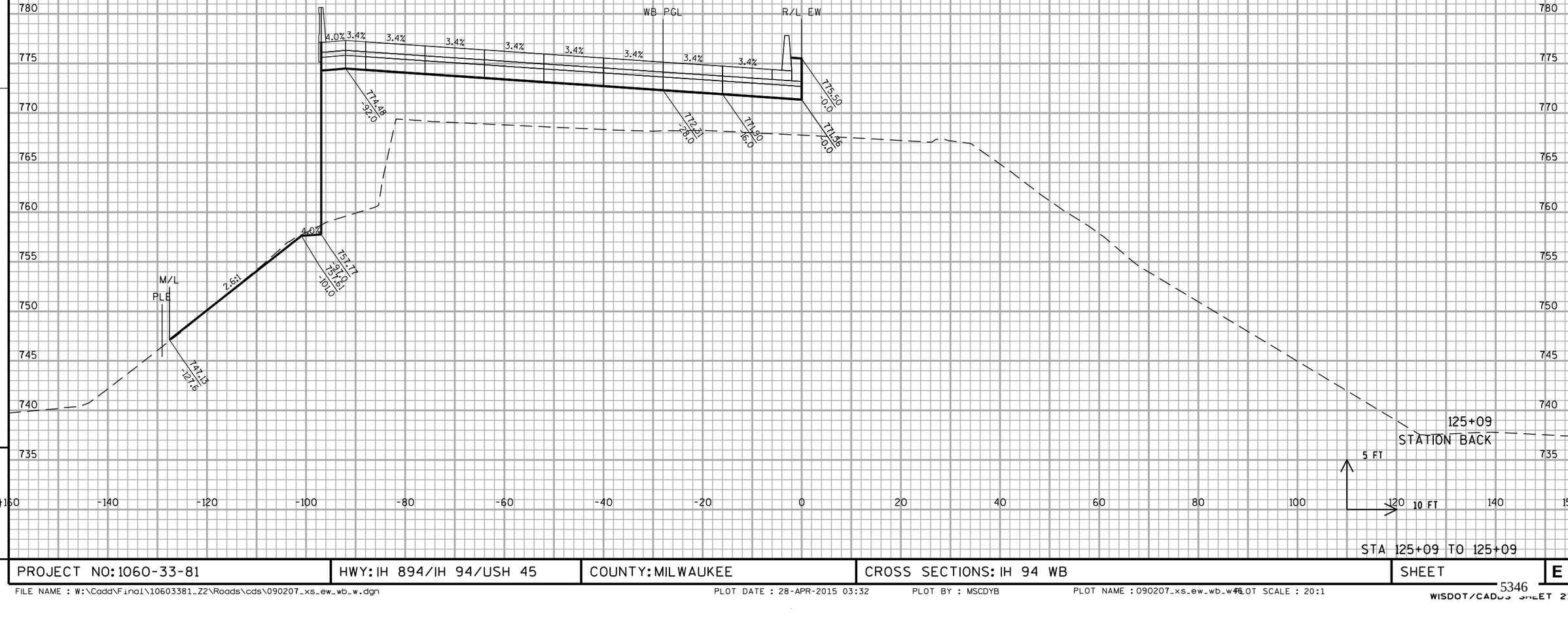


STA 125+00 TO 125+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

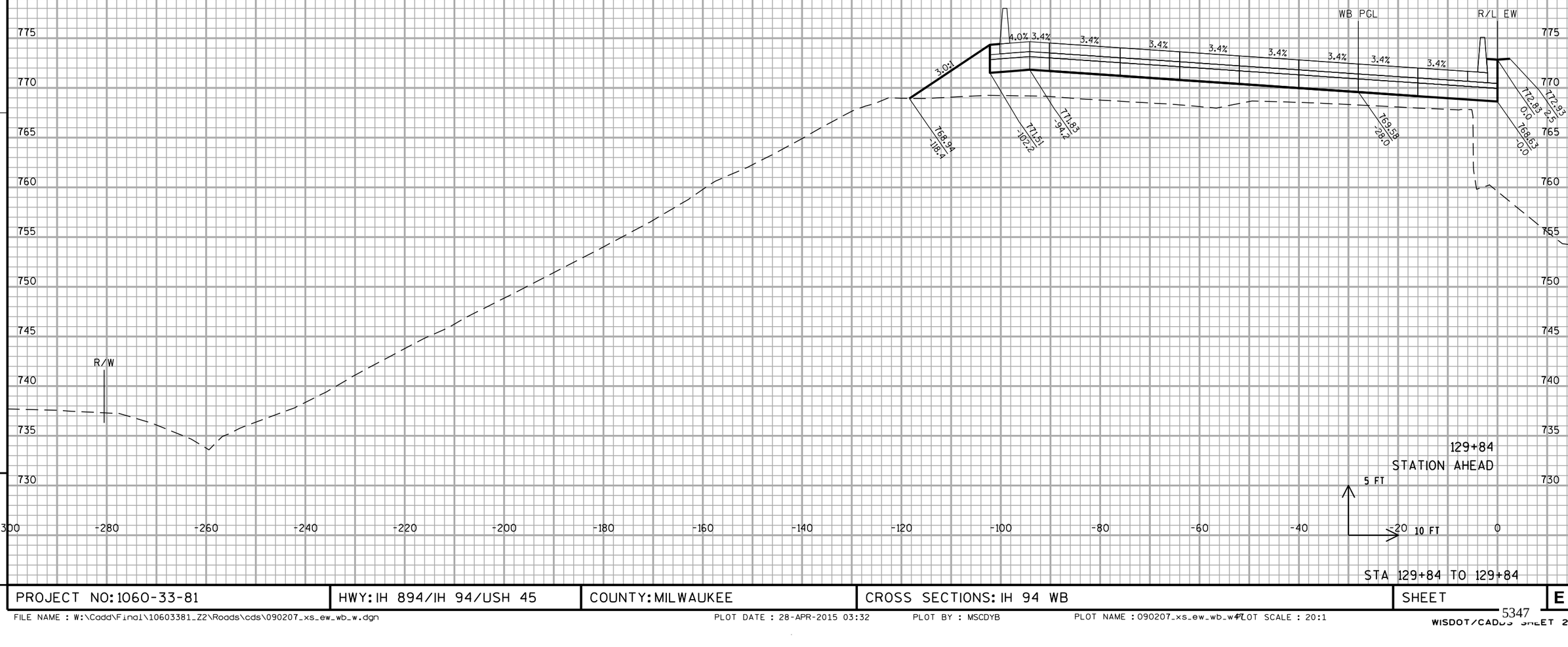


STA 125+09 TO 125+09

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pl PLOT SCALE : 20:1

ALL WORK STAGE 6

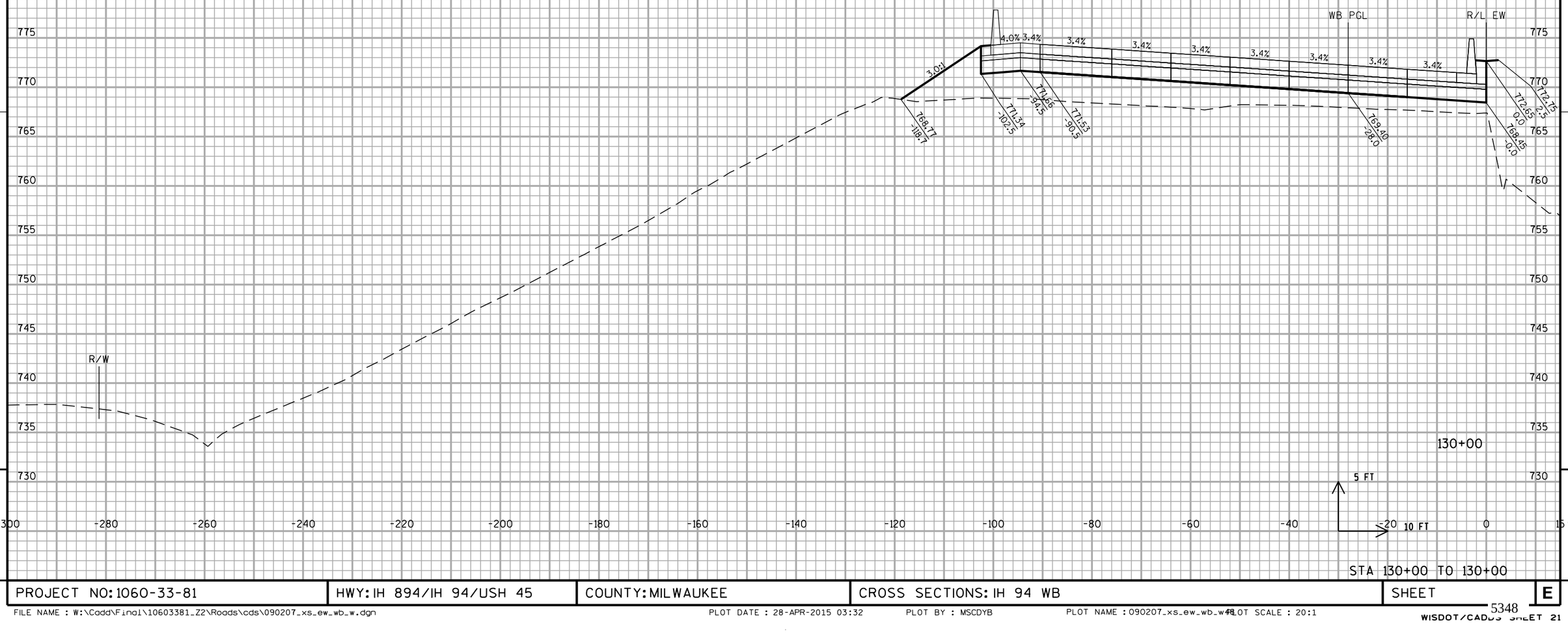


STA 129+84 TO 129+84

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

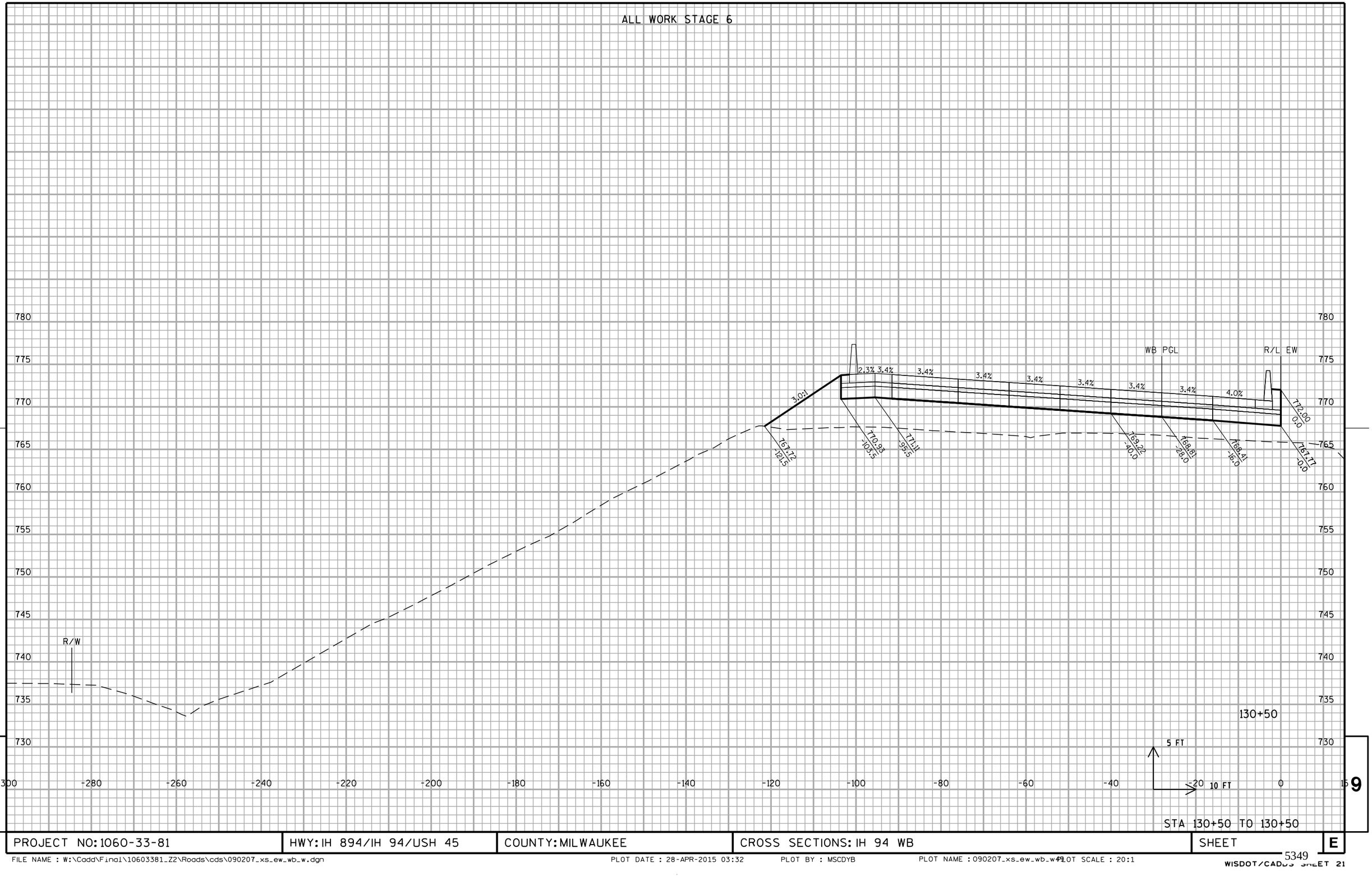
ALL WORK STAGE 6



STA 130+00 TO 130+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

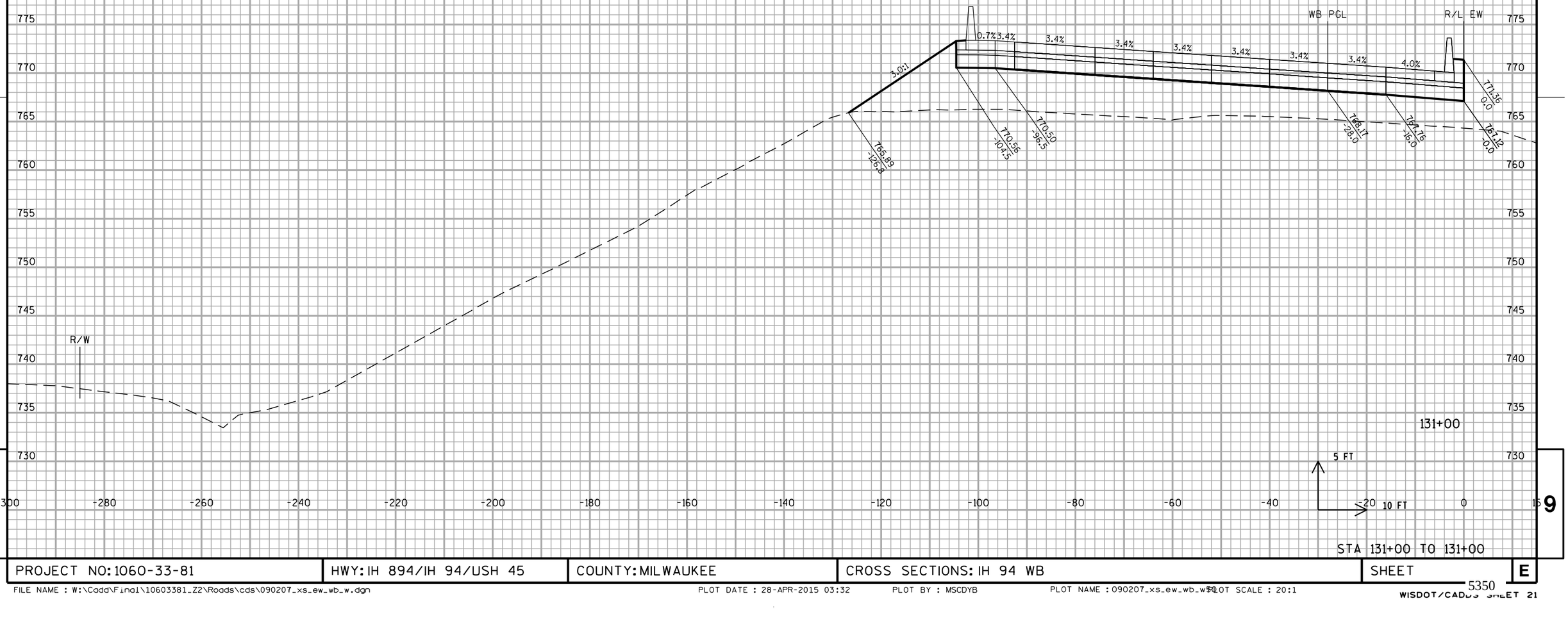


STA 130+50 TO 130+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

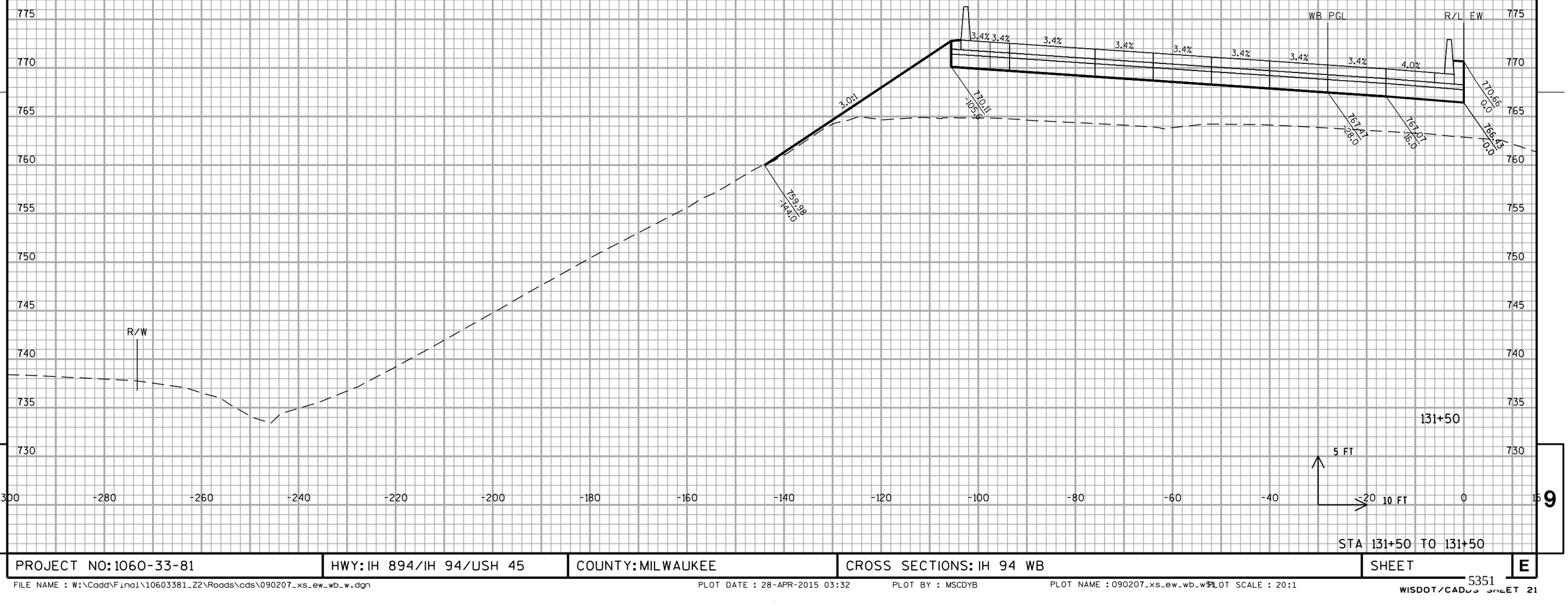


STA 131+00 TO 131+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w50 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

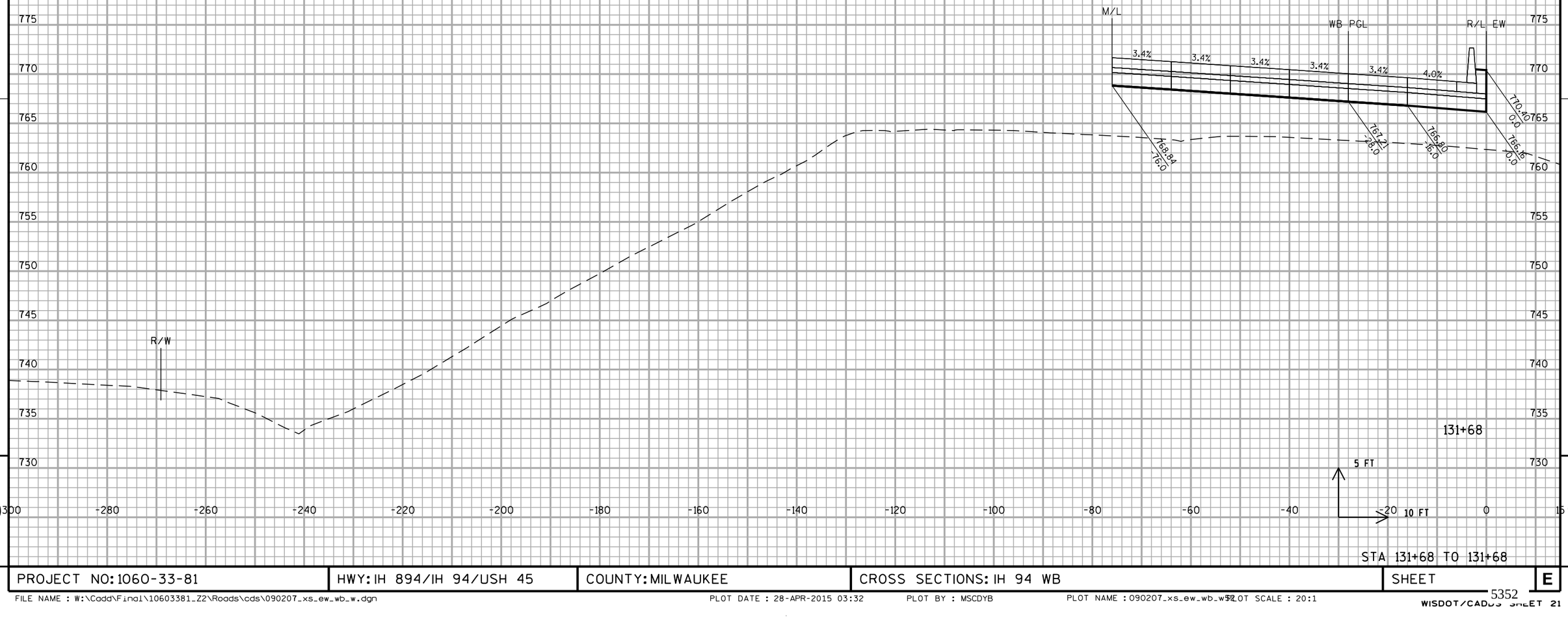
ALL WORK STAGE 6



STA 131+50 TO 131+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

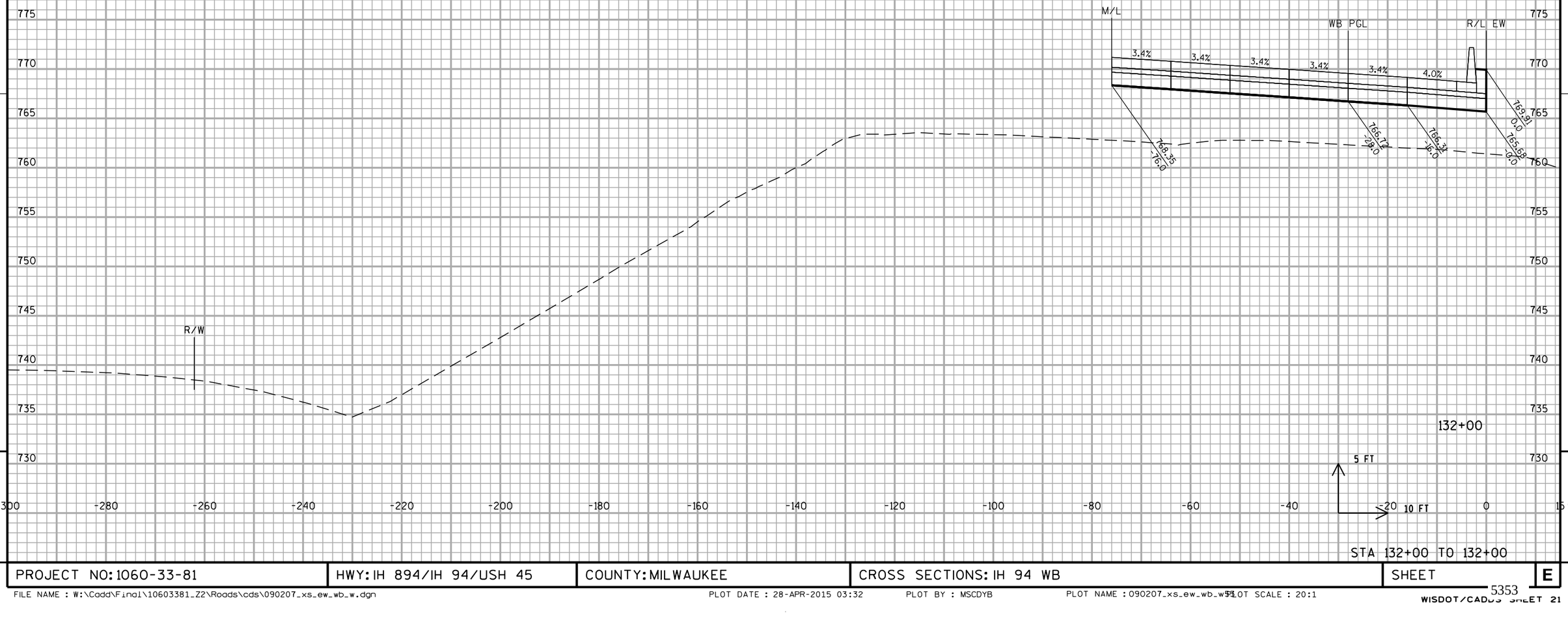
ALL WORK STAGE 6



STA 131+68 TO 131+68

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

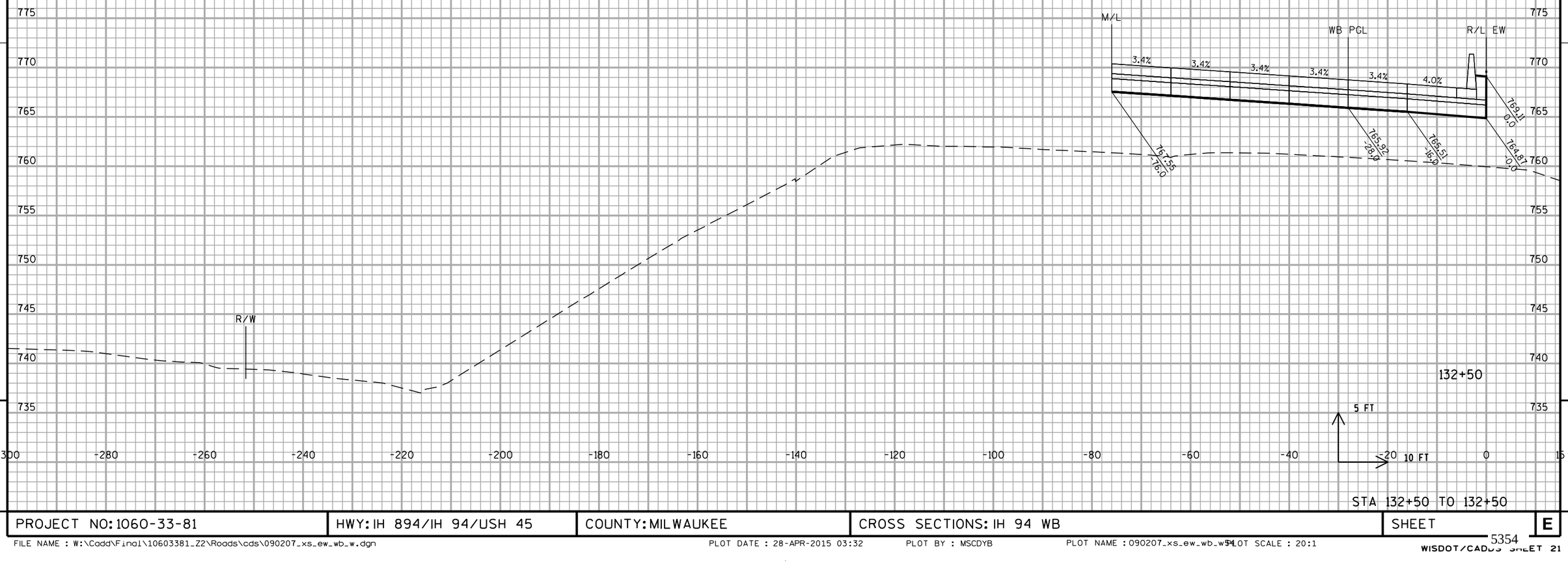
ALL WORK STAGE 6



STA 132+00 TO 132+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

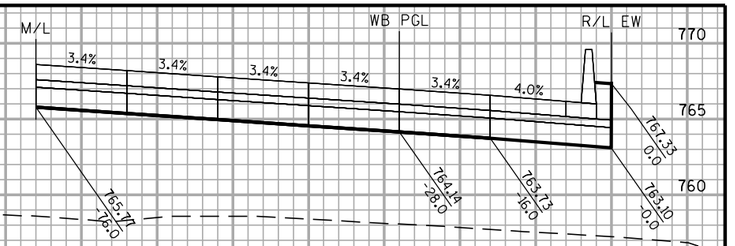
ALL WORK STAGE 6



STA 132+50 TO 132+50

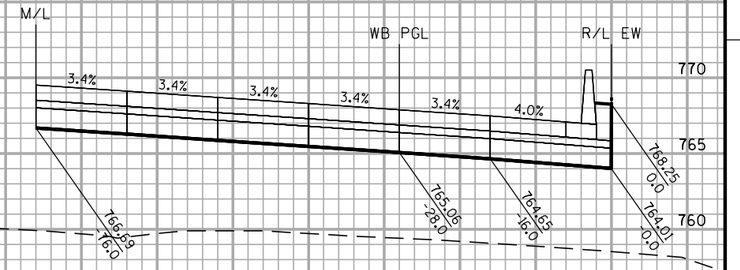
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



R/W

133+50



R/W

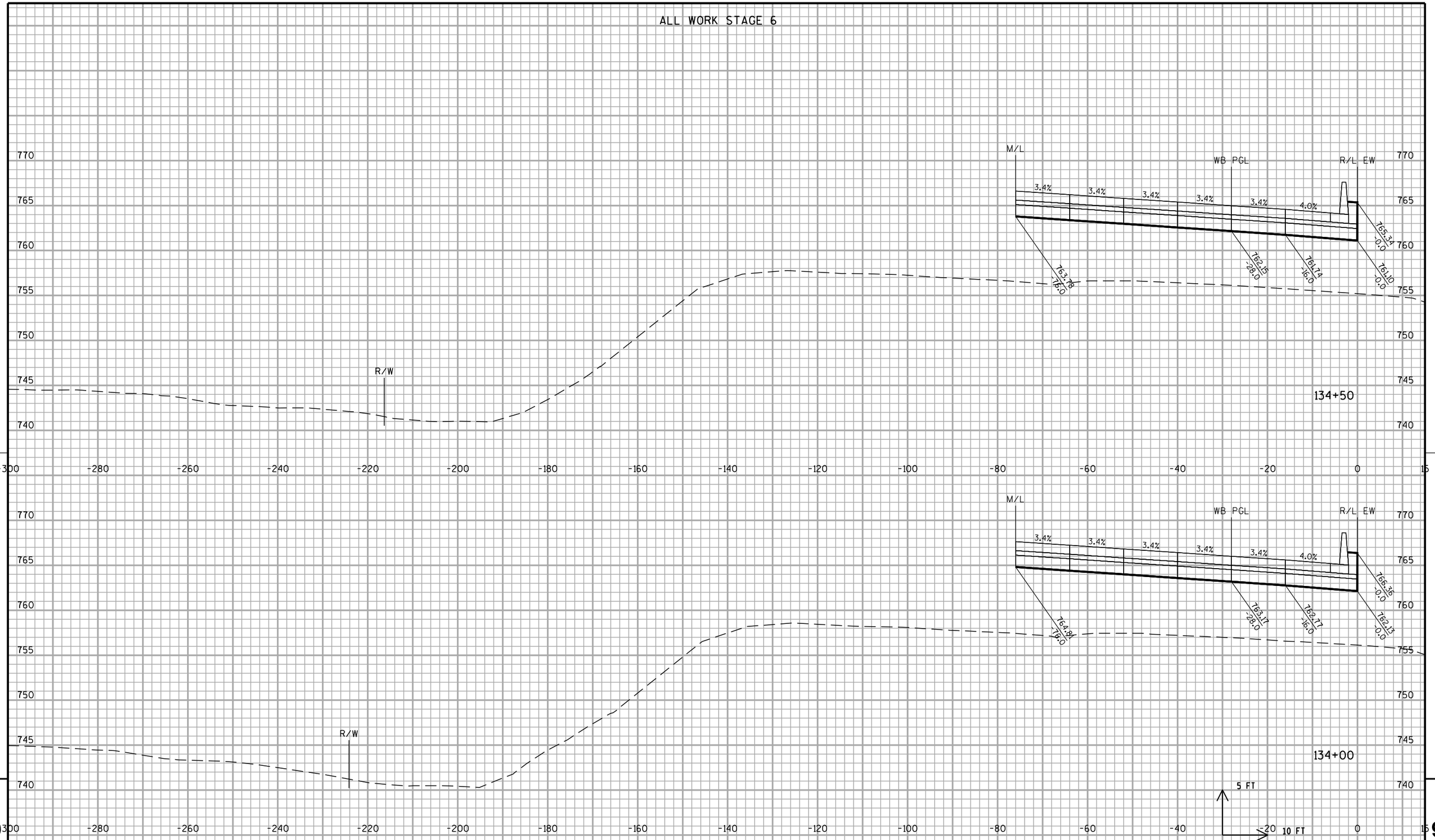
133+00

5 FT
10 FT

STA 133+00 TO 133+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

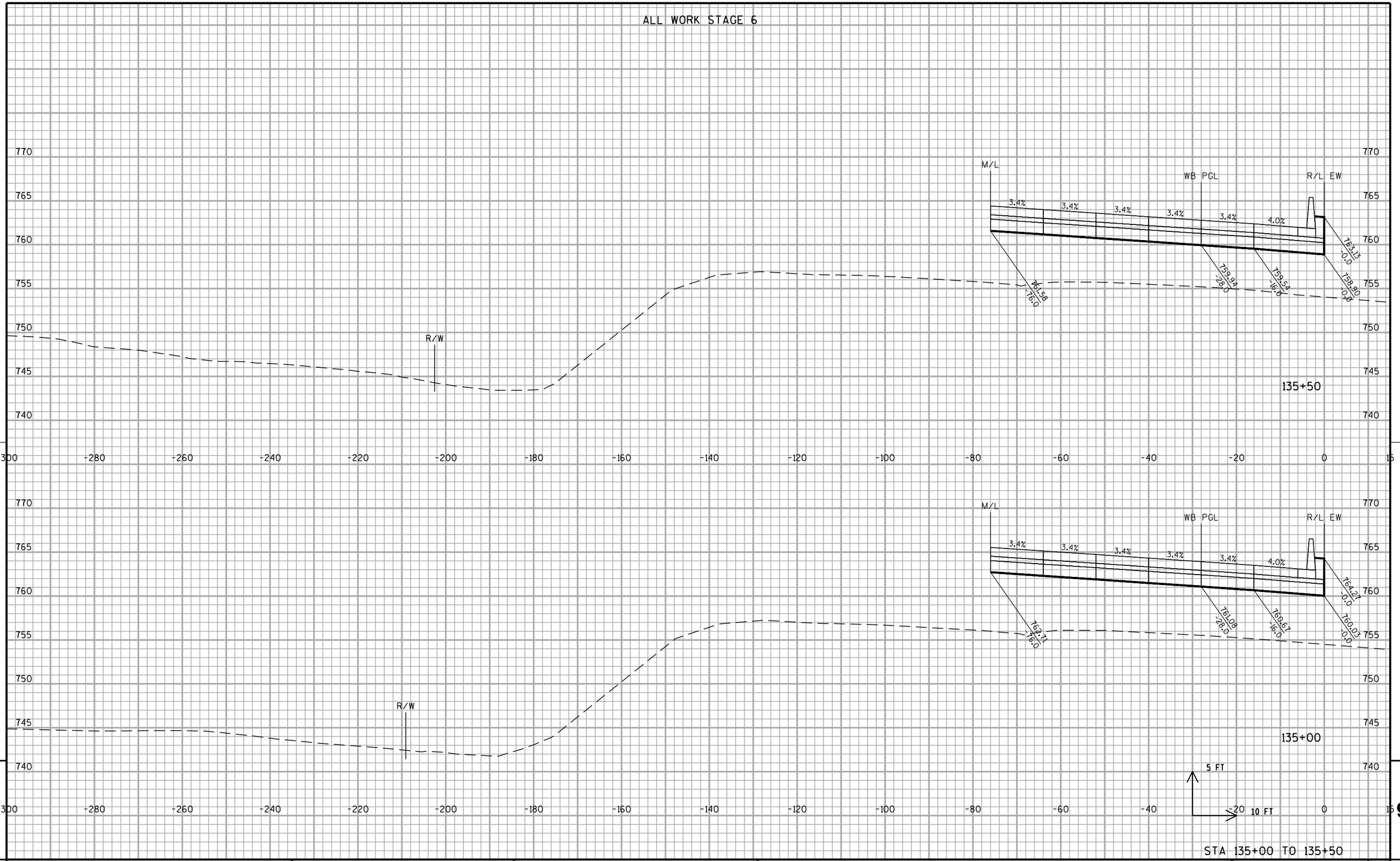


STA 134+00 TO 134+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:32 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

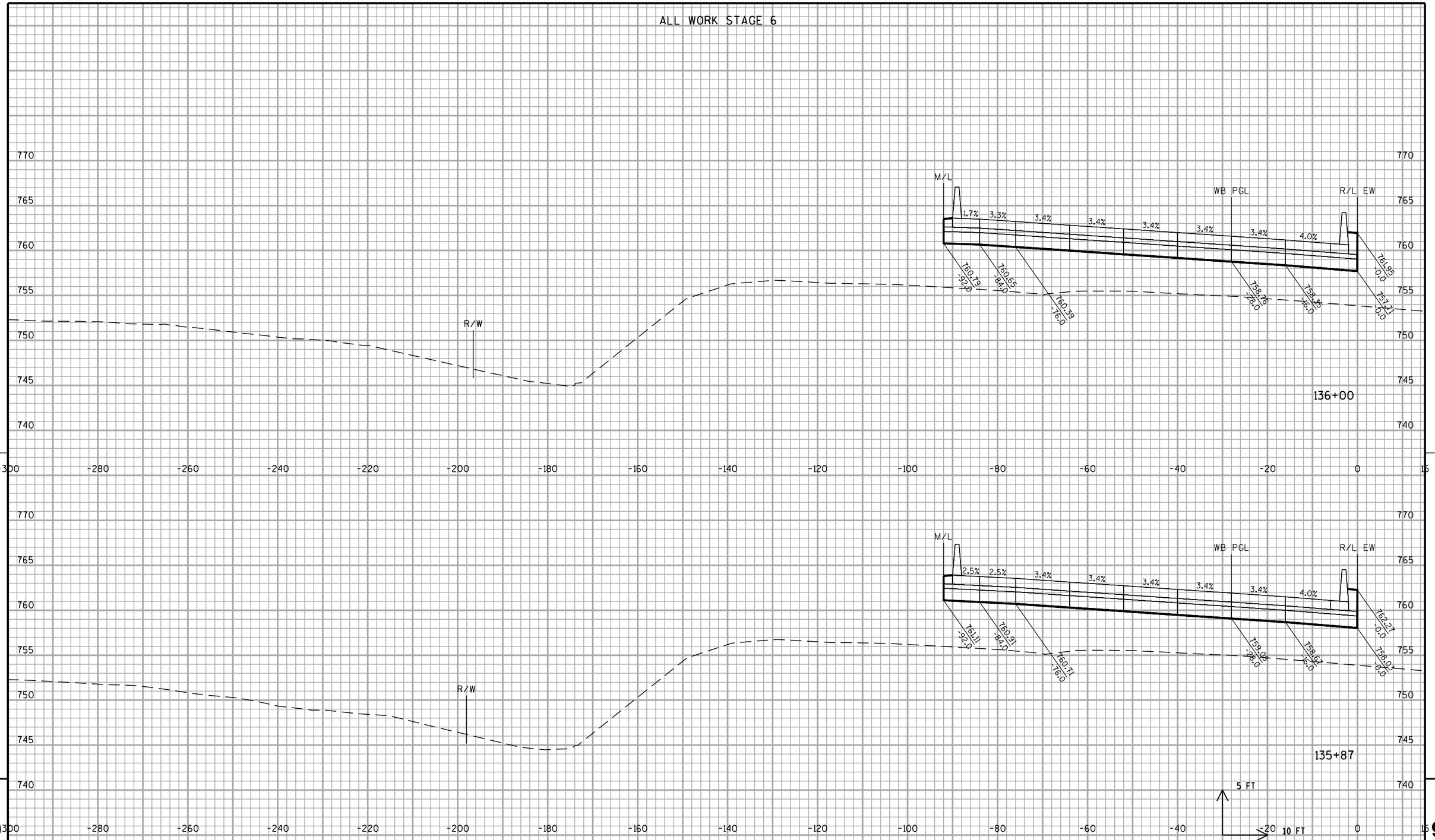
ALL WORK STAGE 6



STA 135+00 TO 135+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

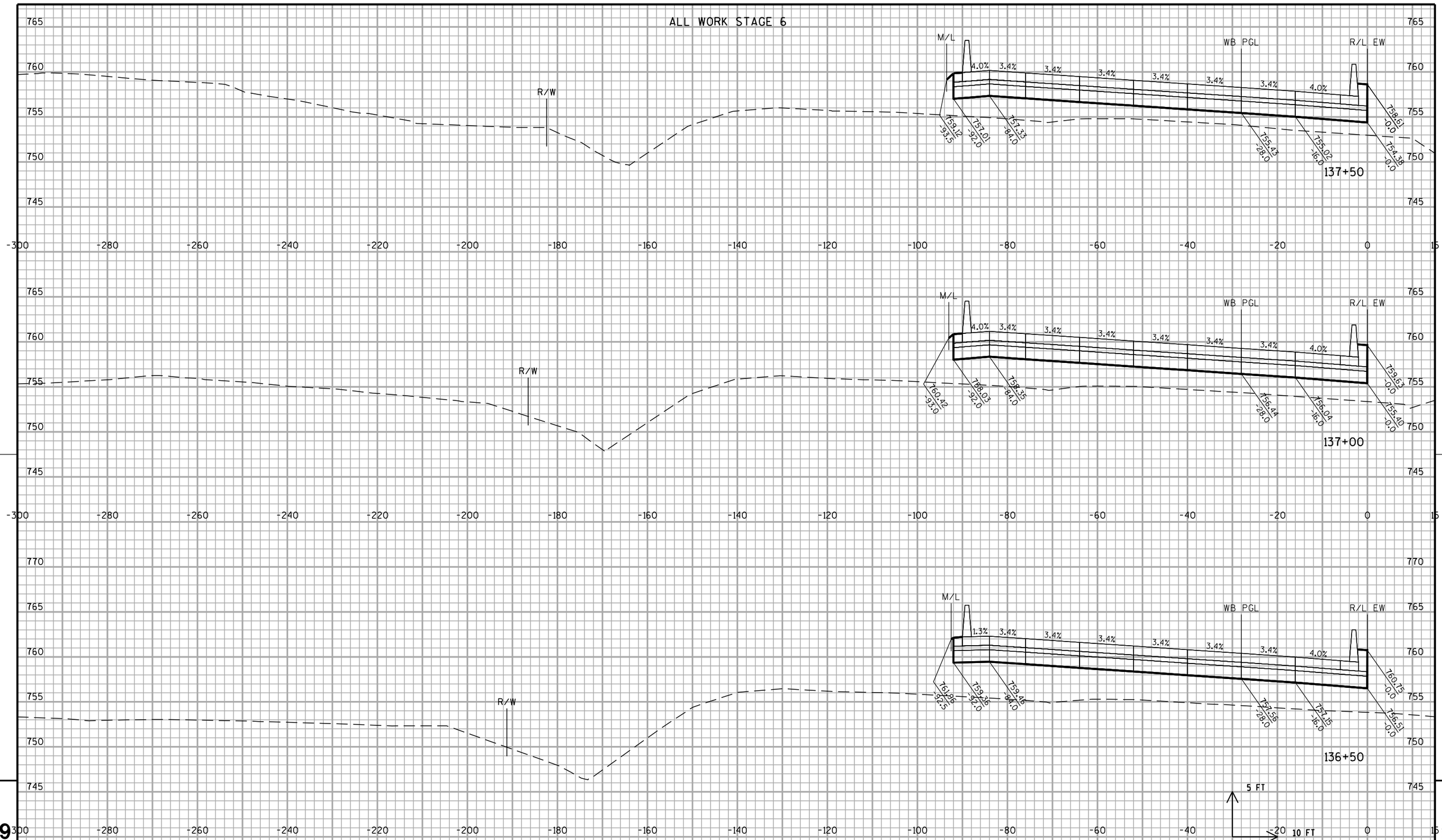
ALL WORK STAGE 6



STA 135+87 TO 136+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

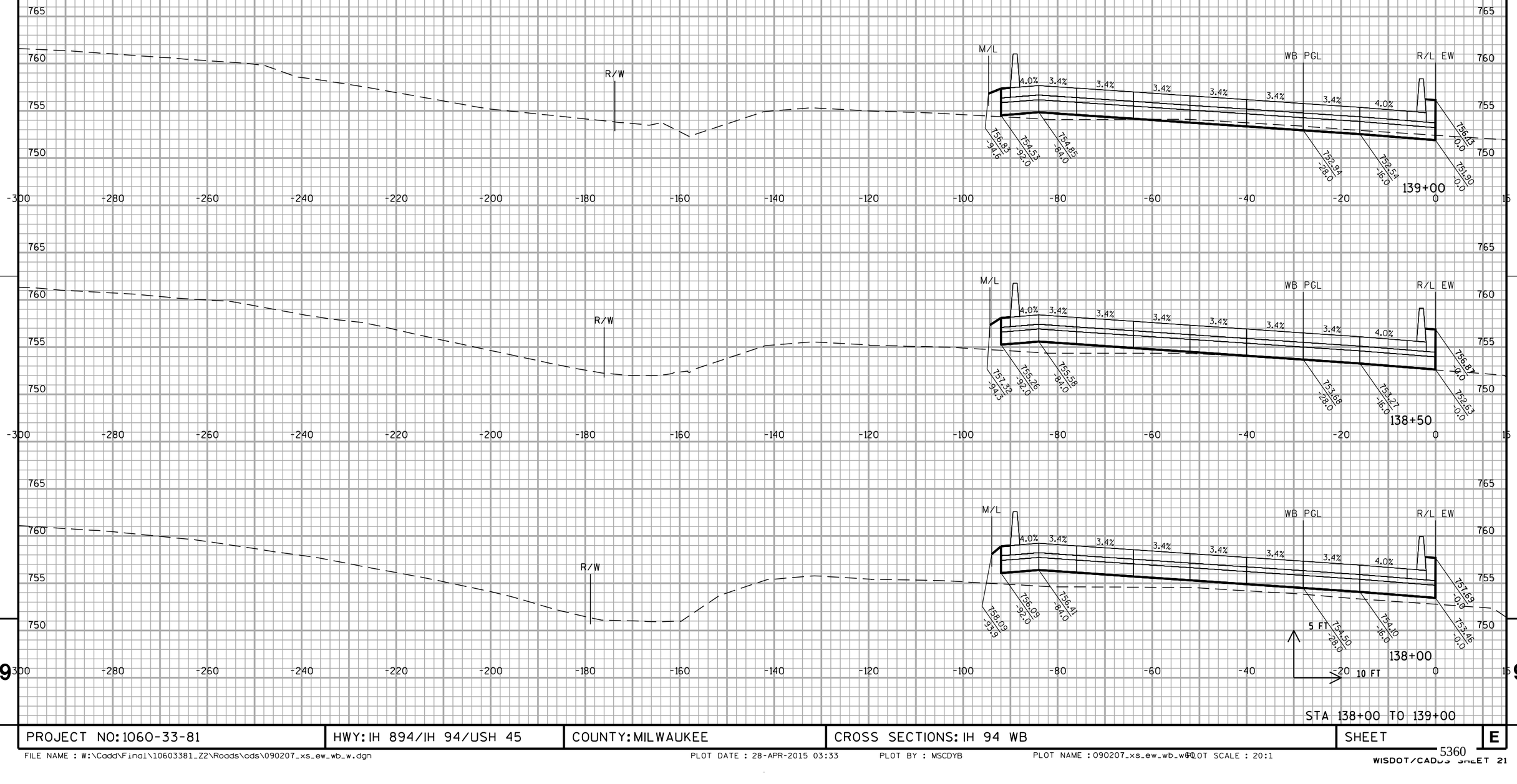
ALL WORK STAGE 6



STA 136+50 TO 137+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

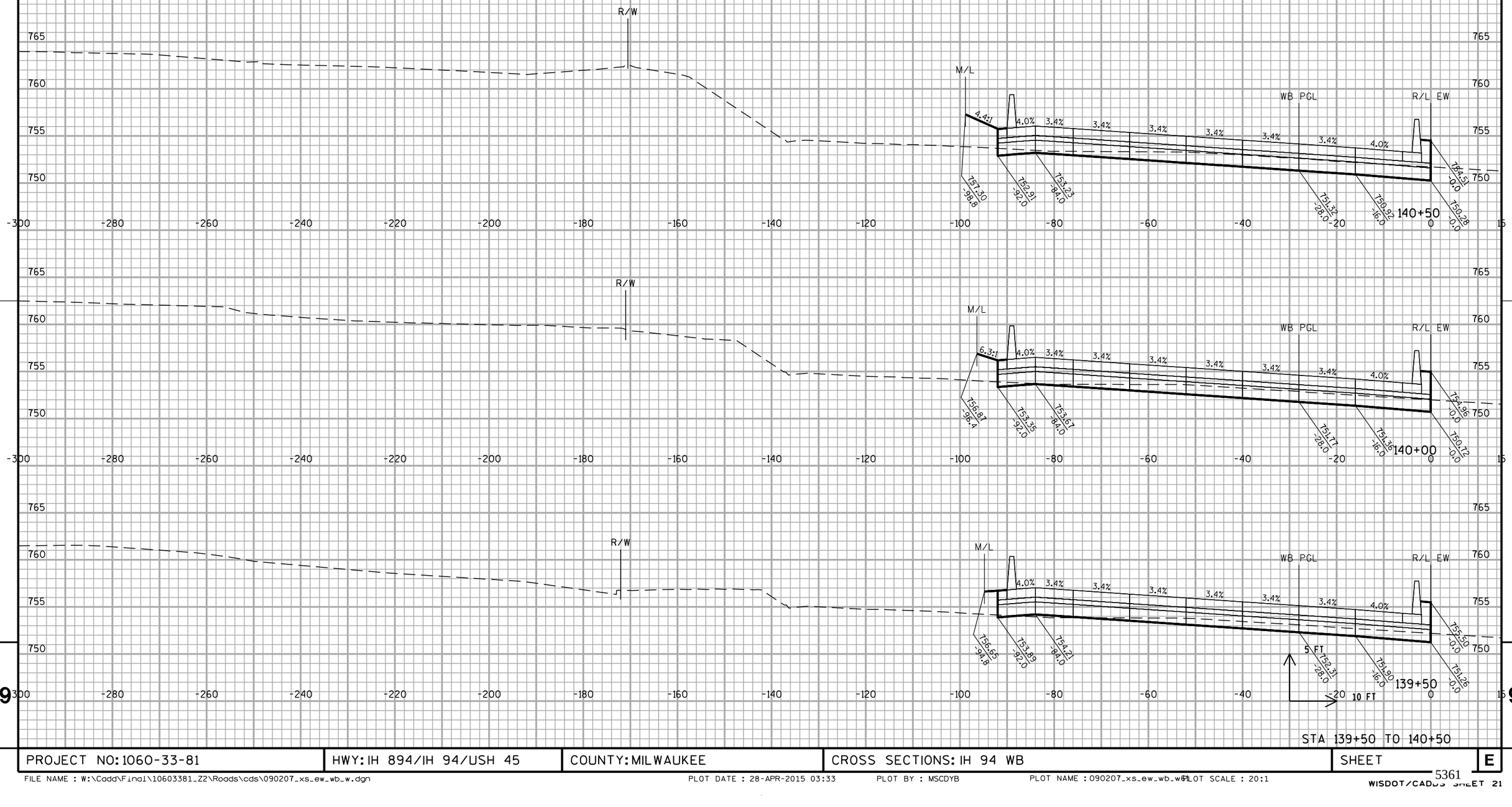


STA 138+00 TO 139+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

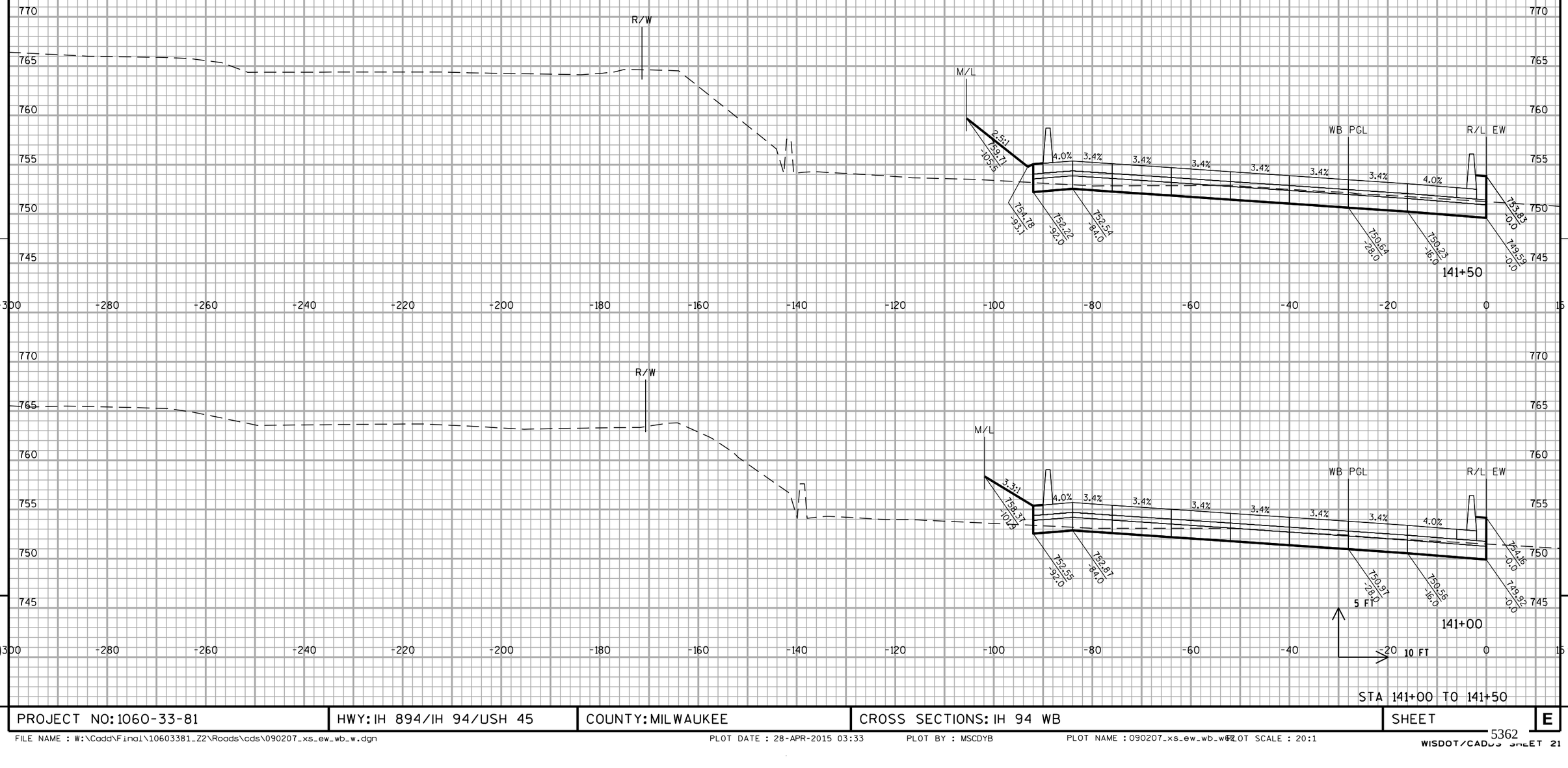


STA 139+50 TO 140+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

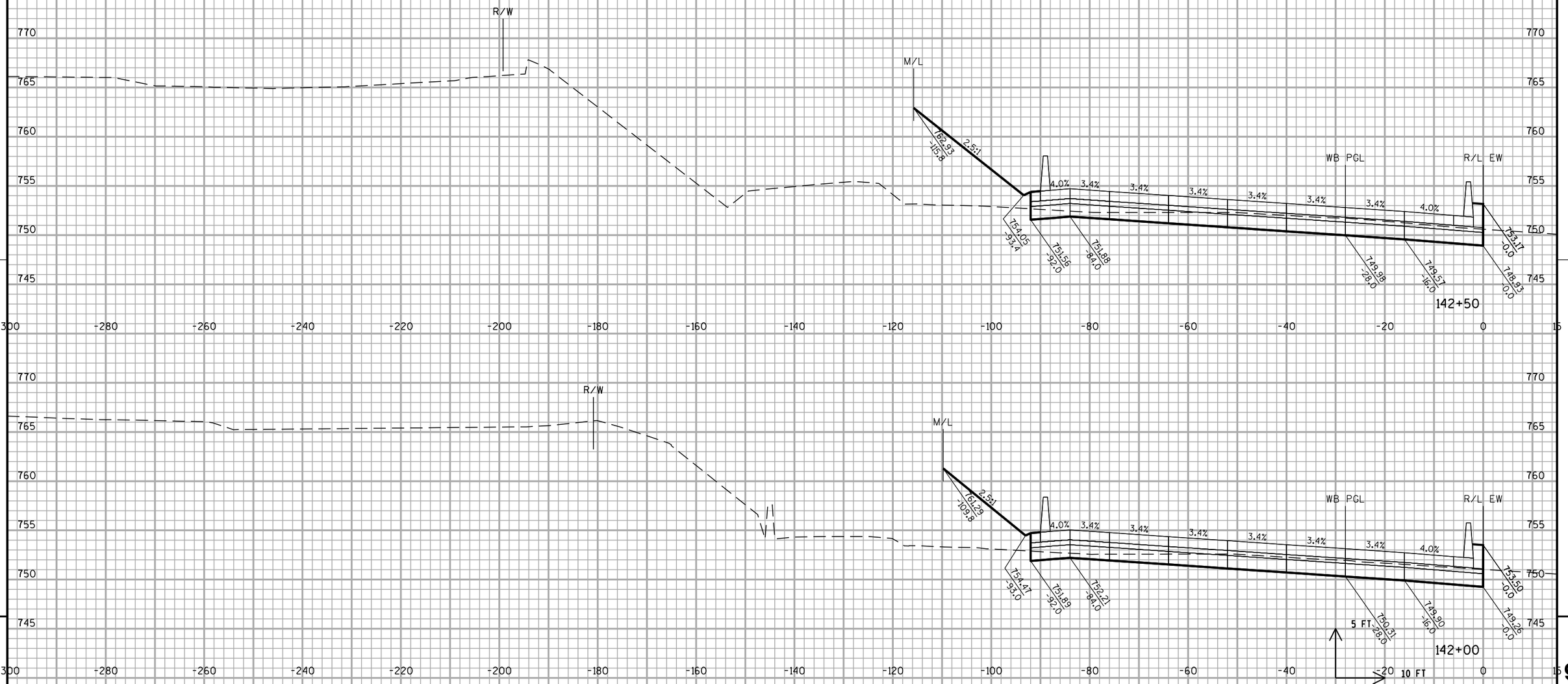


STA 141+00 TO 141+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

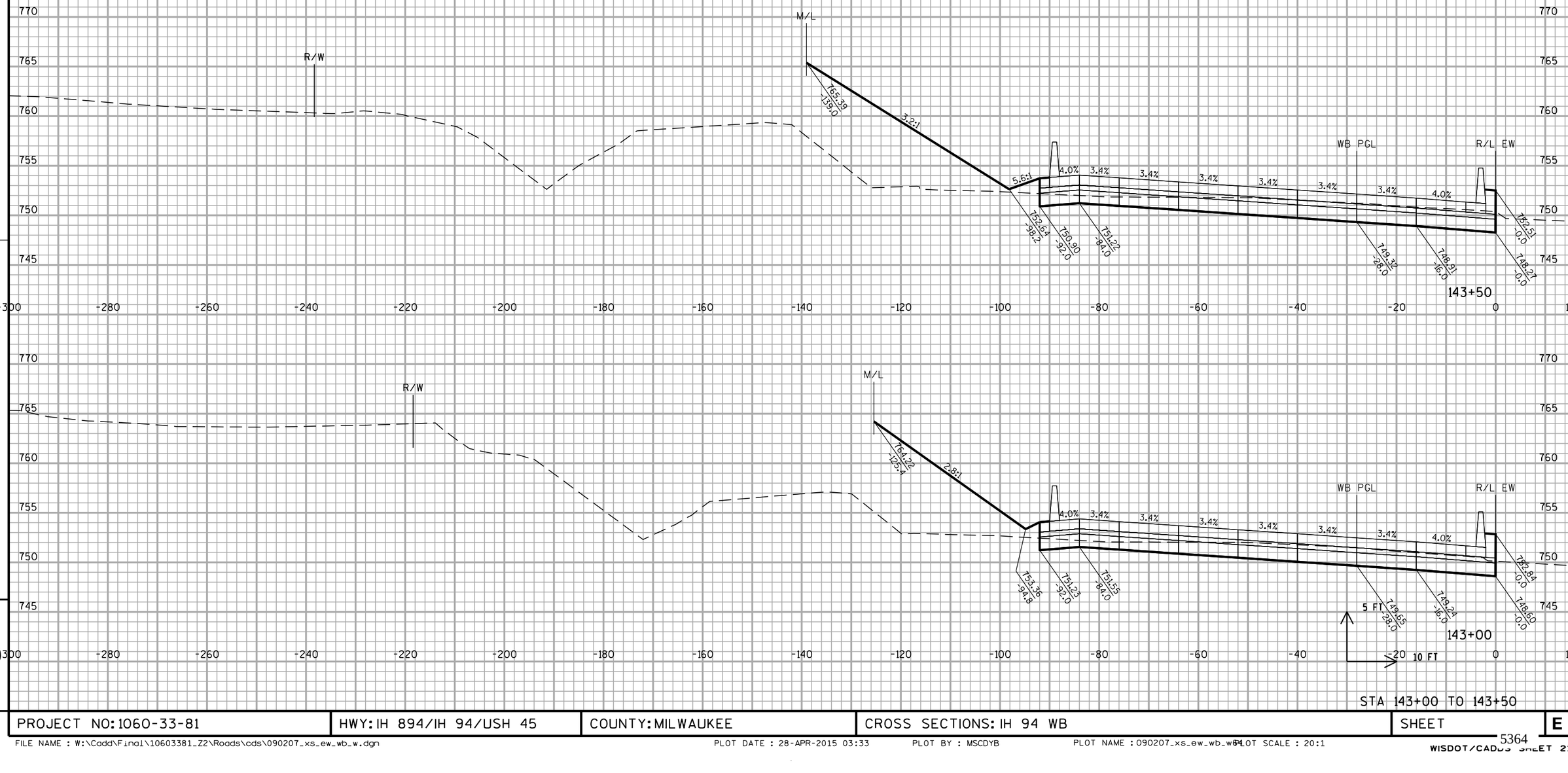


STA 142+00 TO 142+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pl PLOT SCALE : 20:1

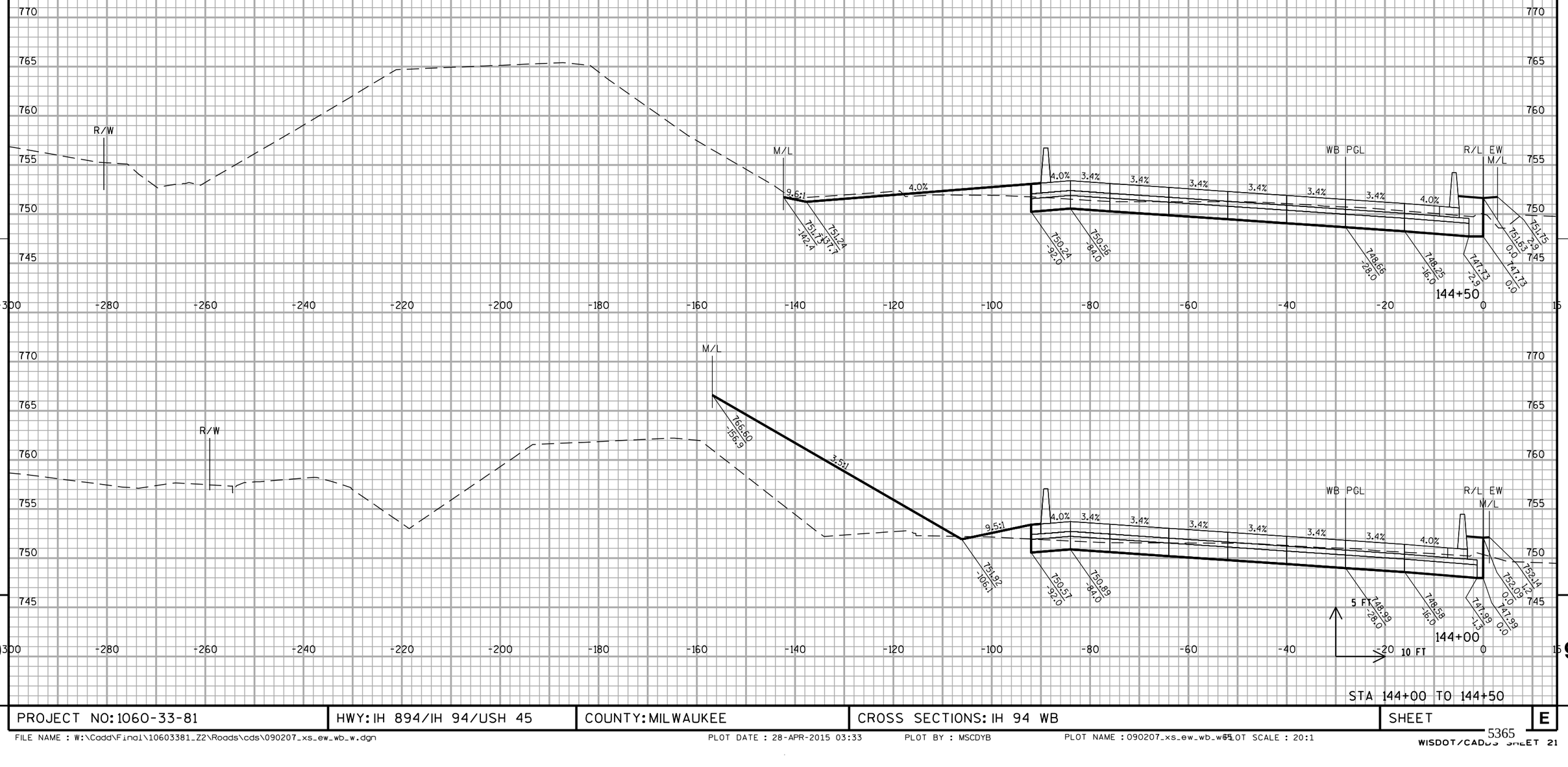
ALL WORK STAGE 6



9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

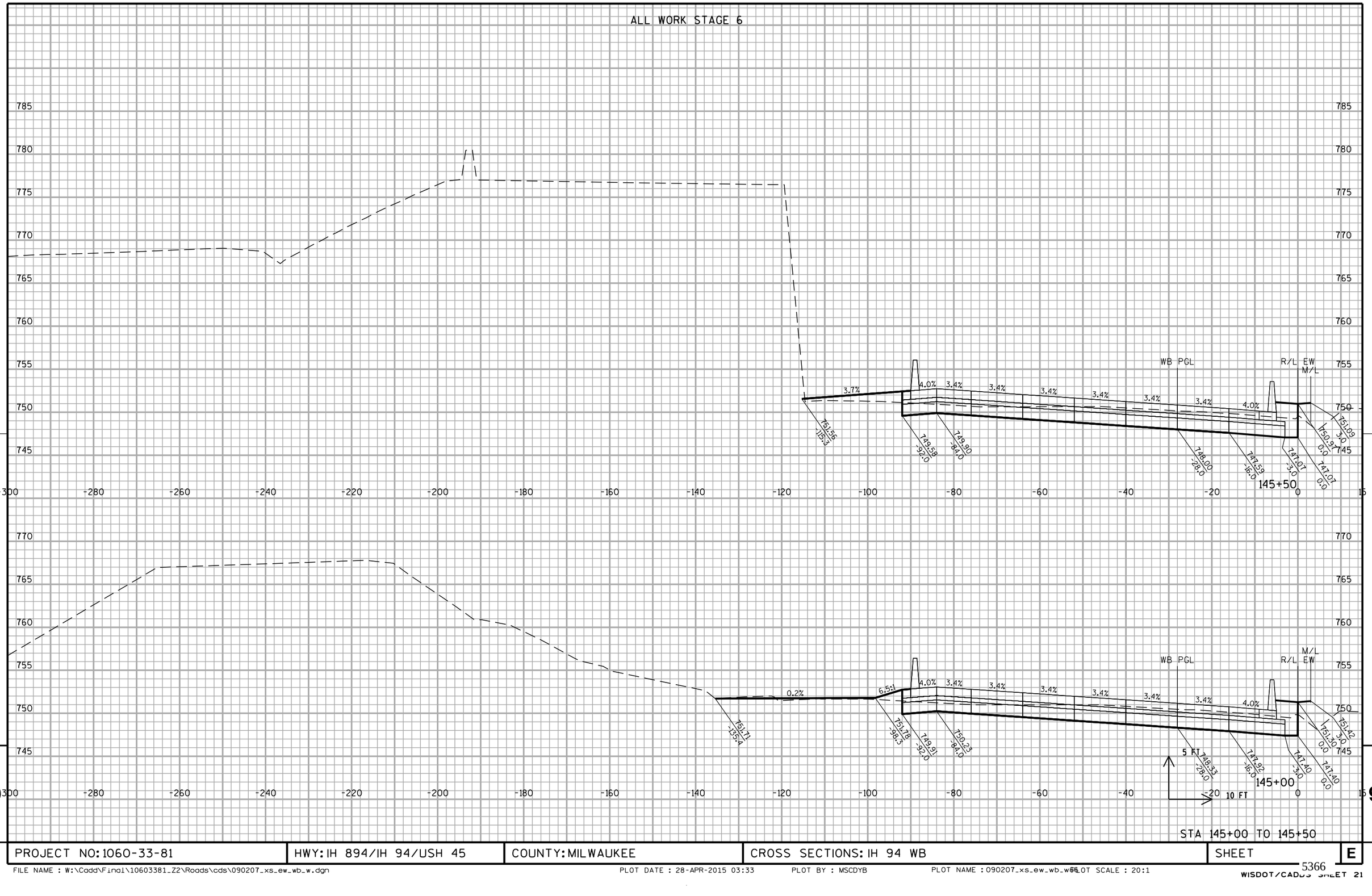


STA 144+00 TO 144+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

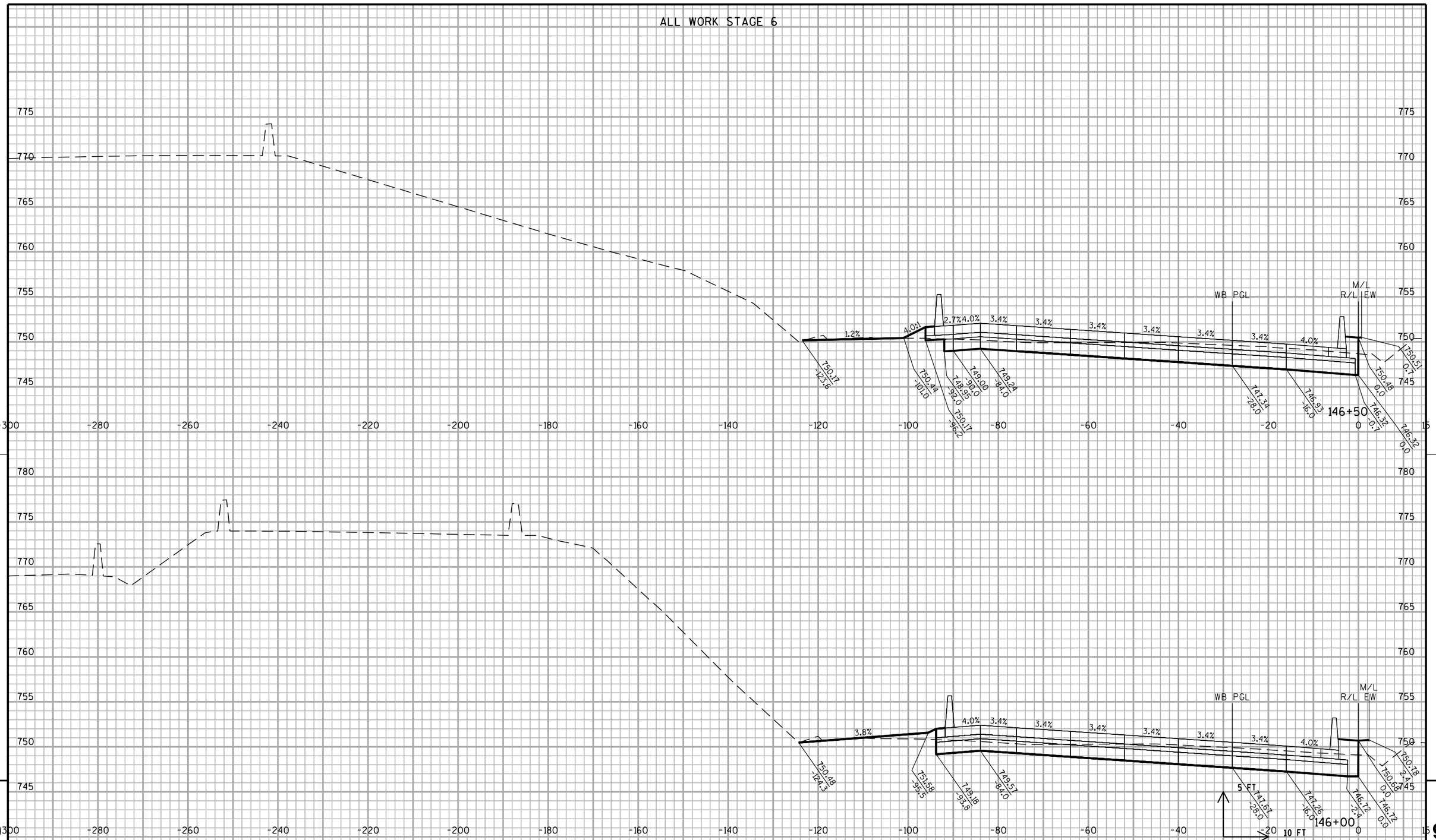


STA 145+00 TO 145+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

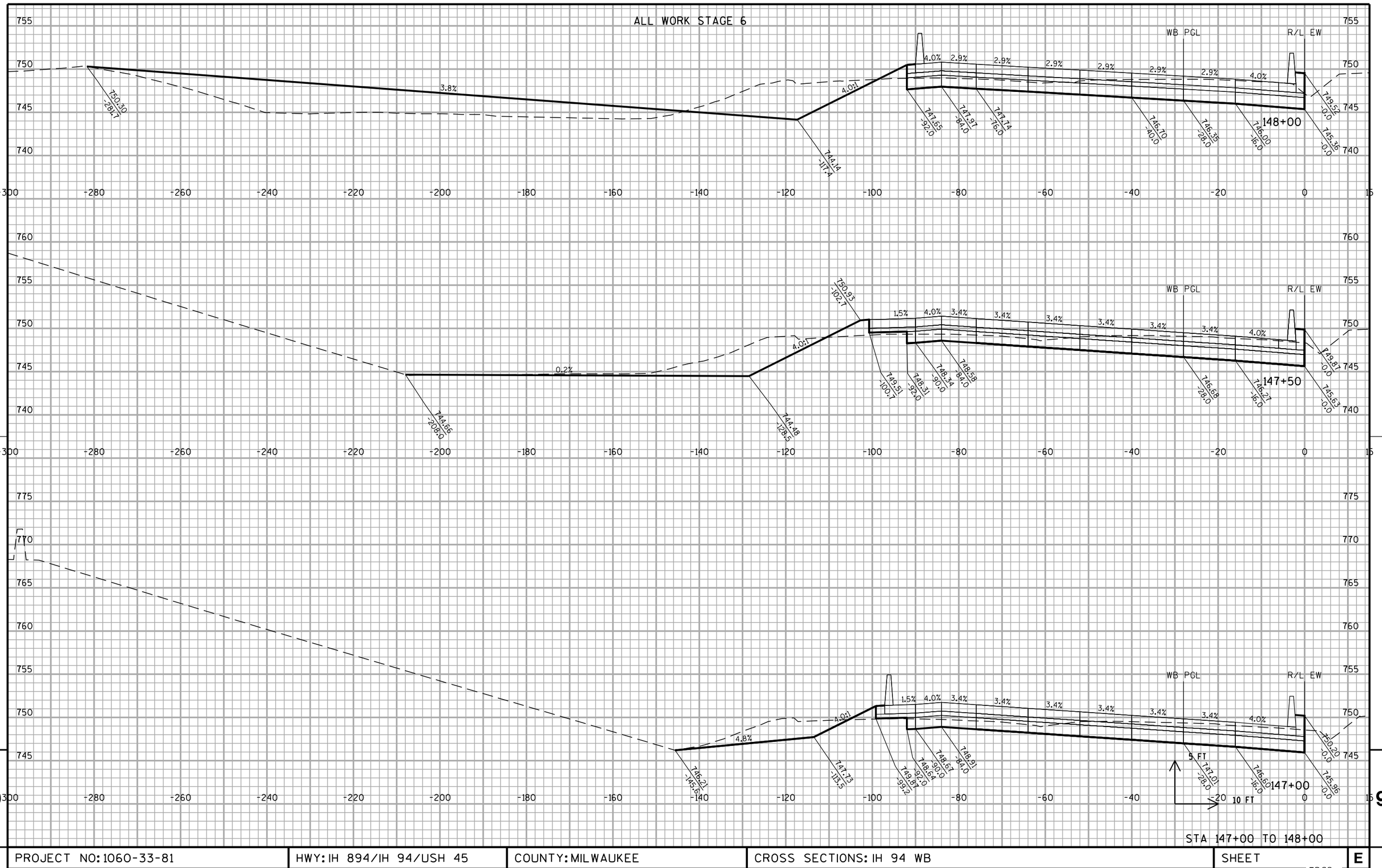
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6



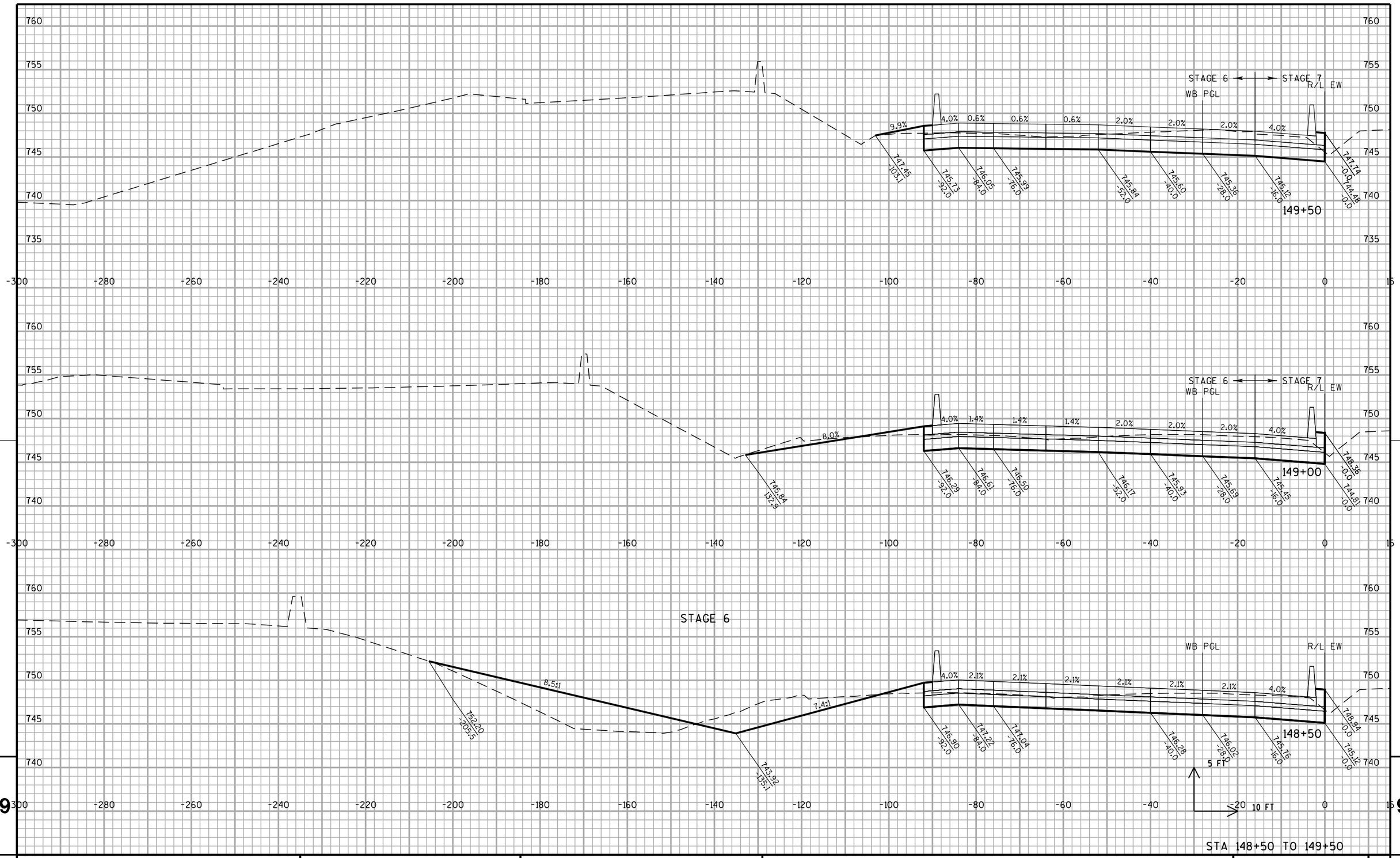
STA 146+00 TO 146+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E



STA 147+00 TO 148+00

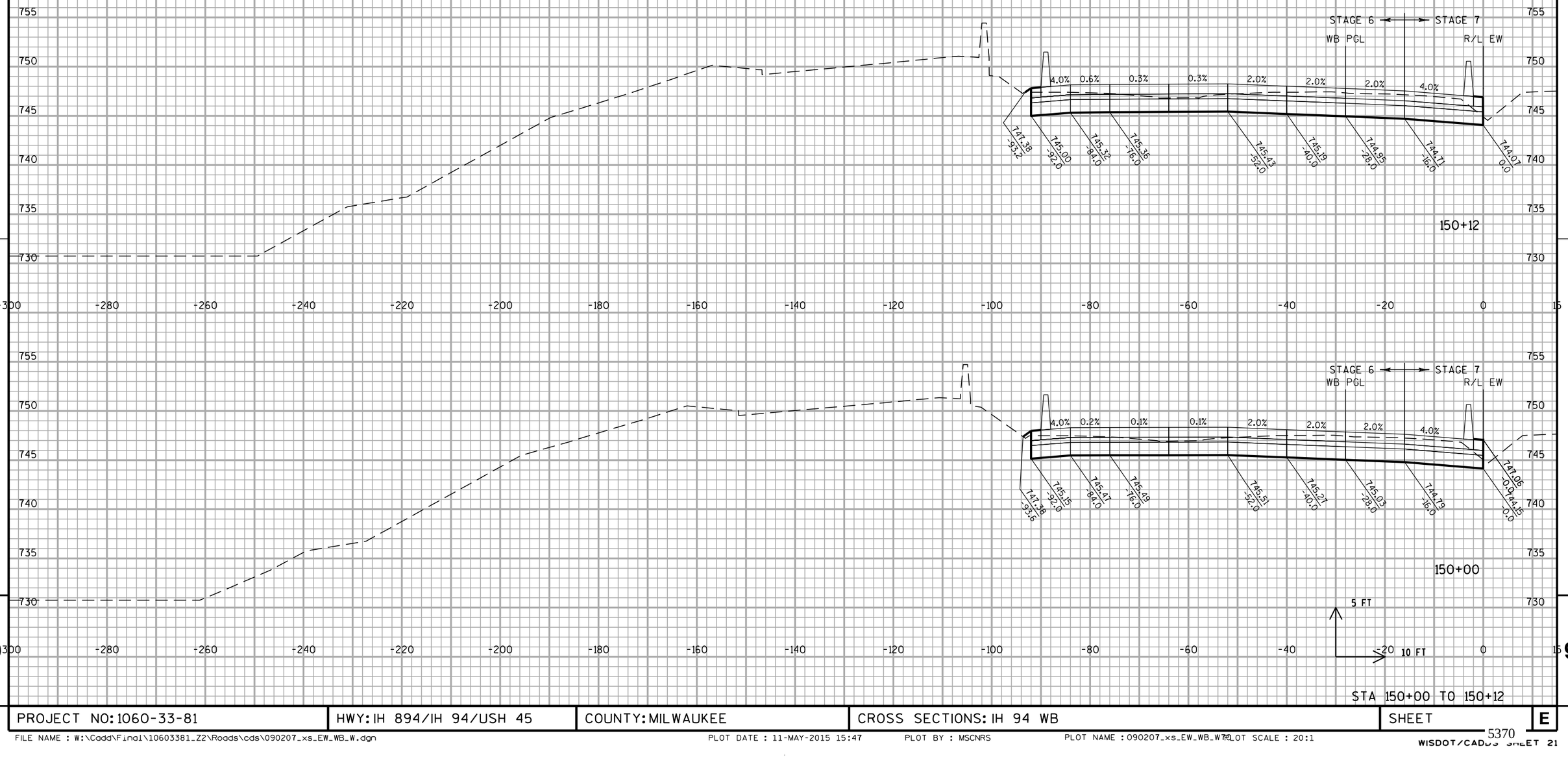
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E



STA 148+50 TO 149+50

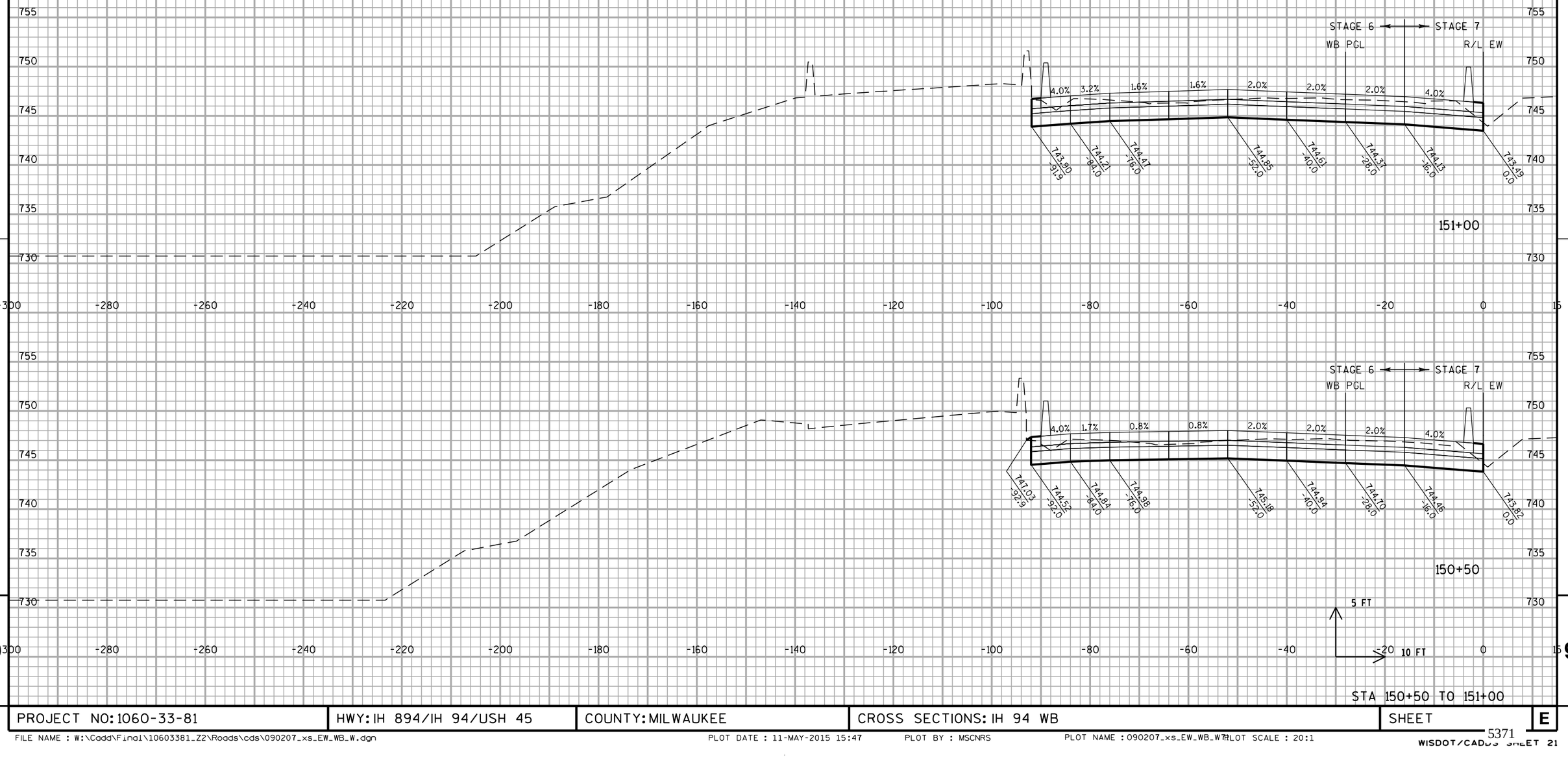
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 11-MAY-2015 15:47 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W.pl PLOT SCALE : 20:1

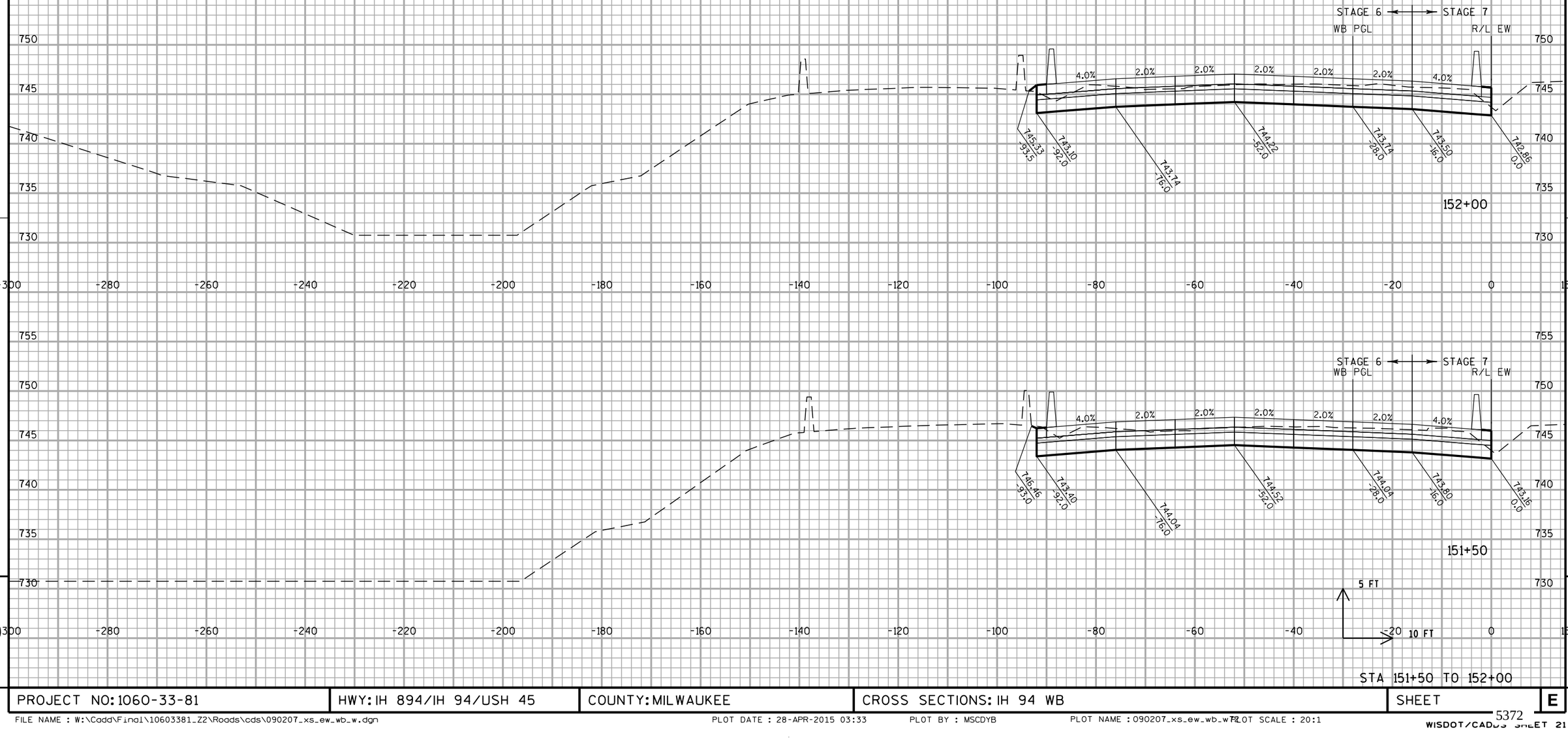


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 11-MAY-2015 15:47 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W70 PLOT SCALE : 20:1



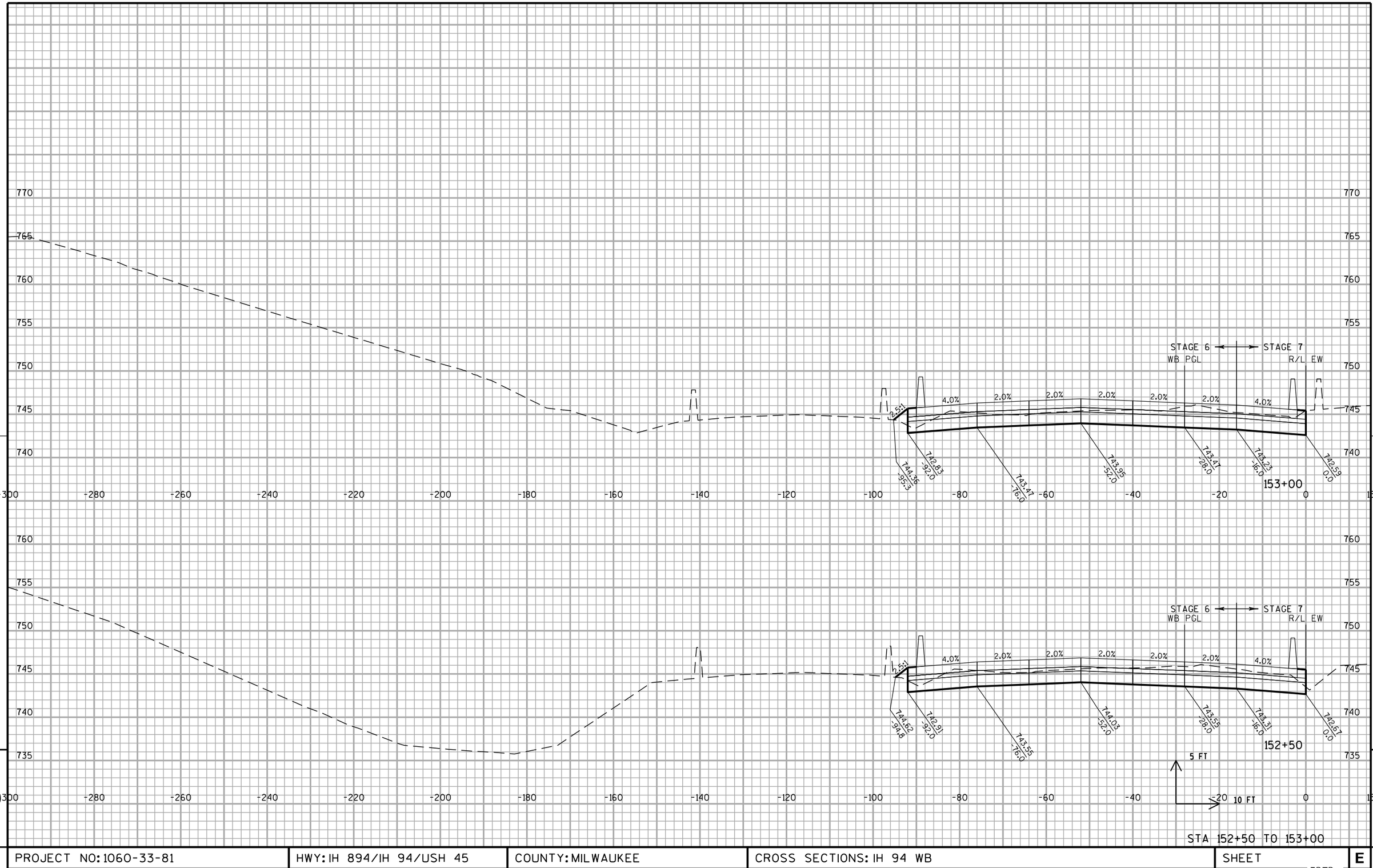
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E



STA 151+50 TO 152+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

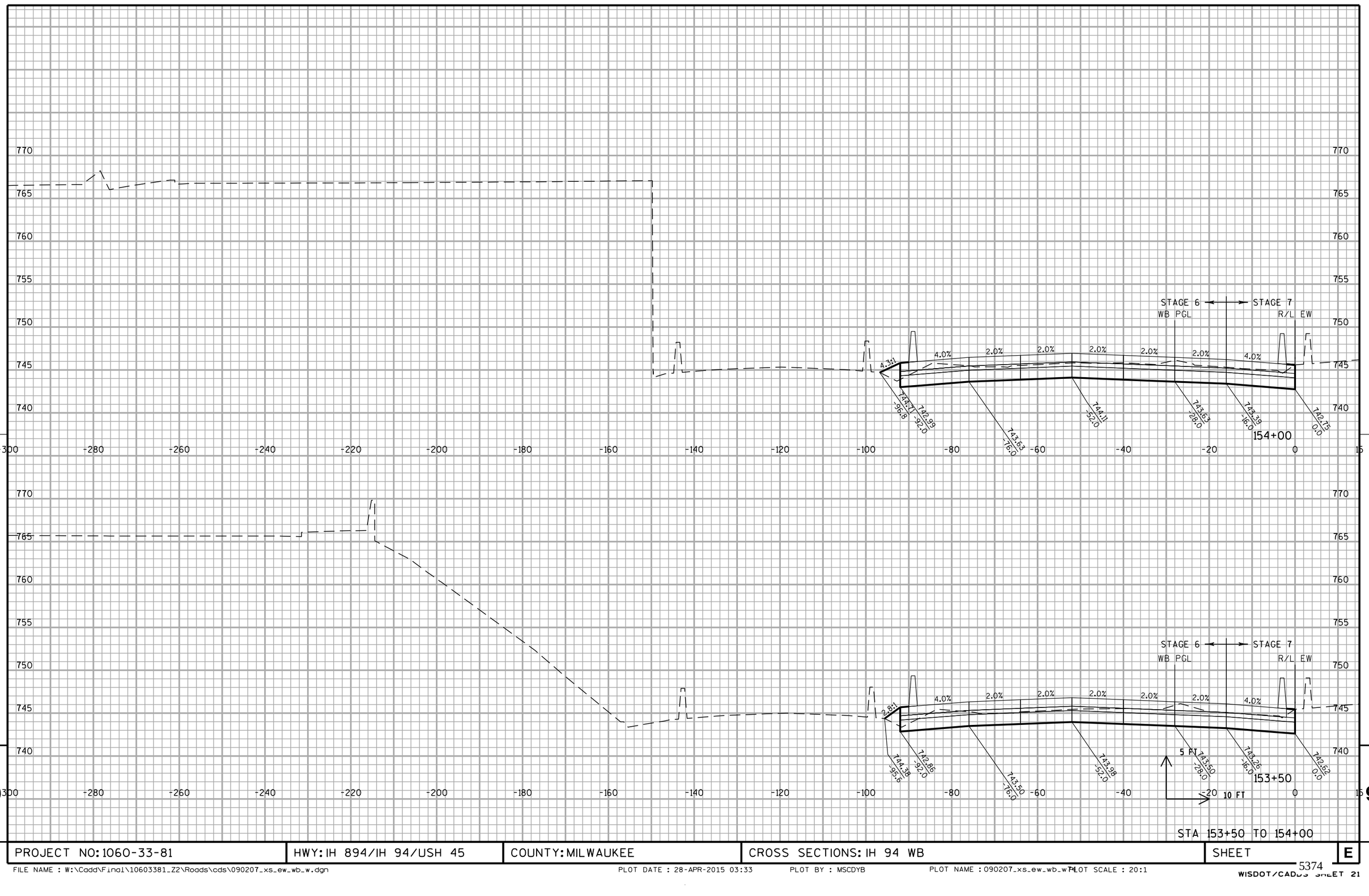
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 152+50 TO 153+00

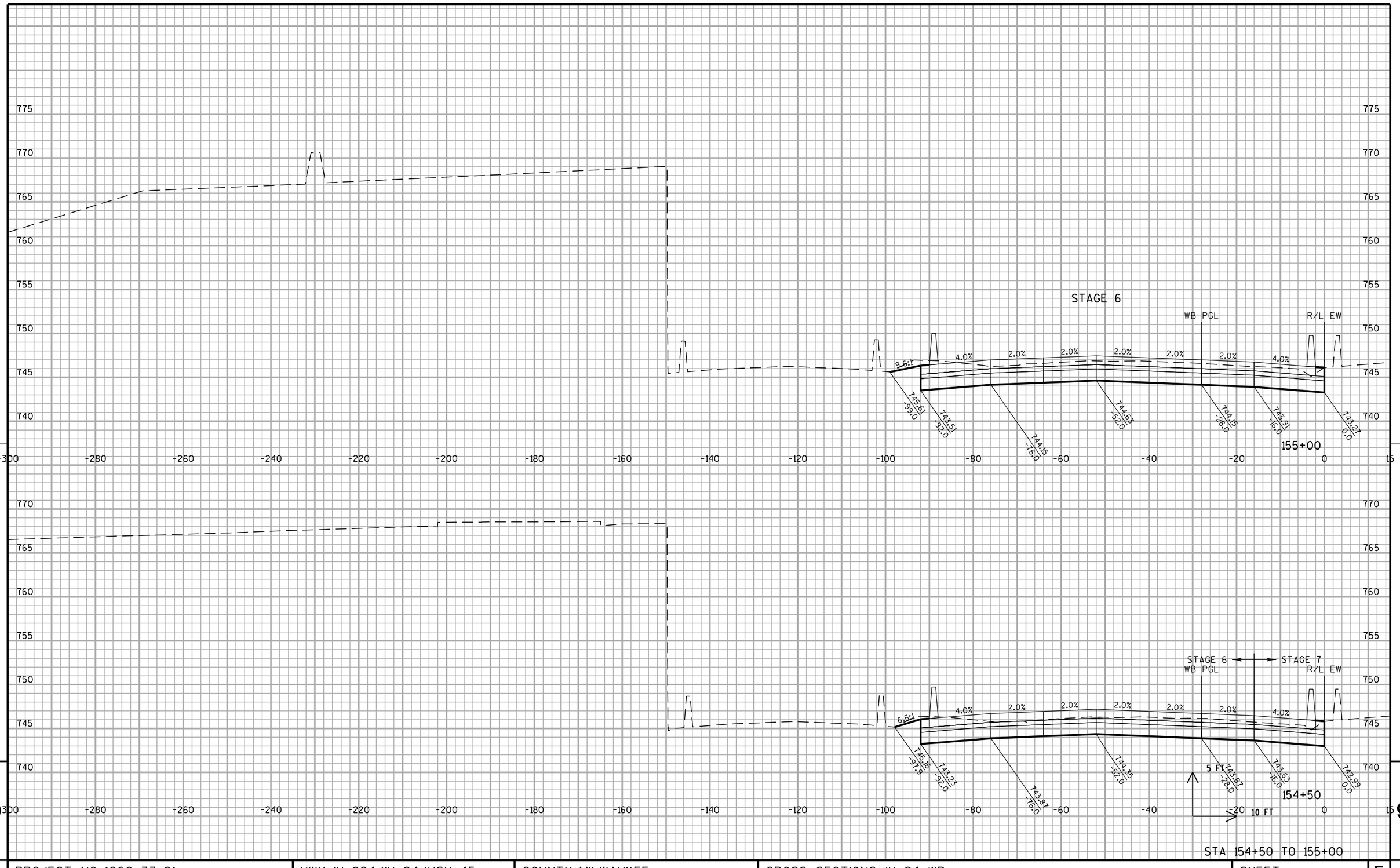
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

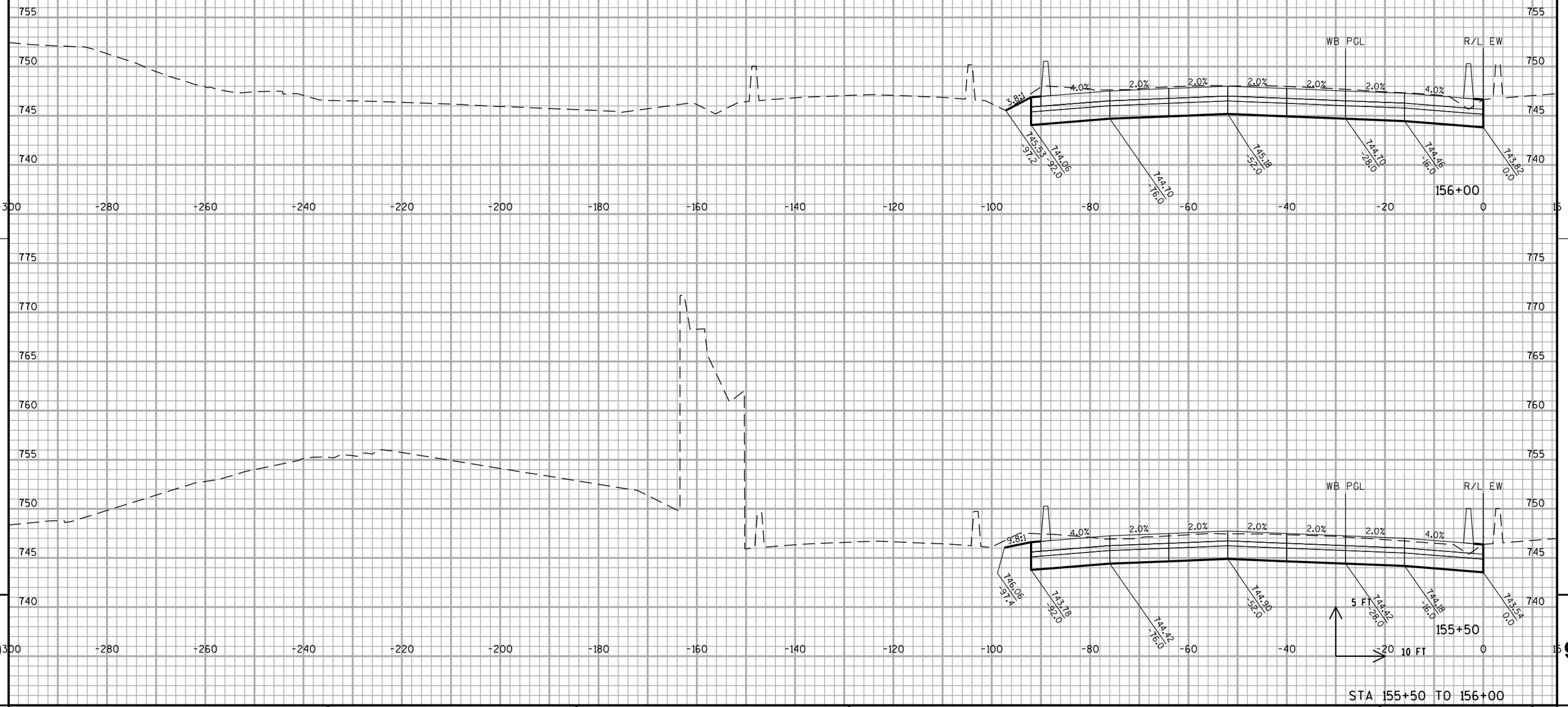
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1



STA 154+50 TO 155+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

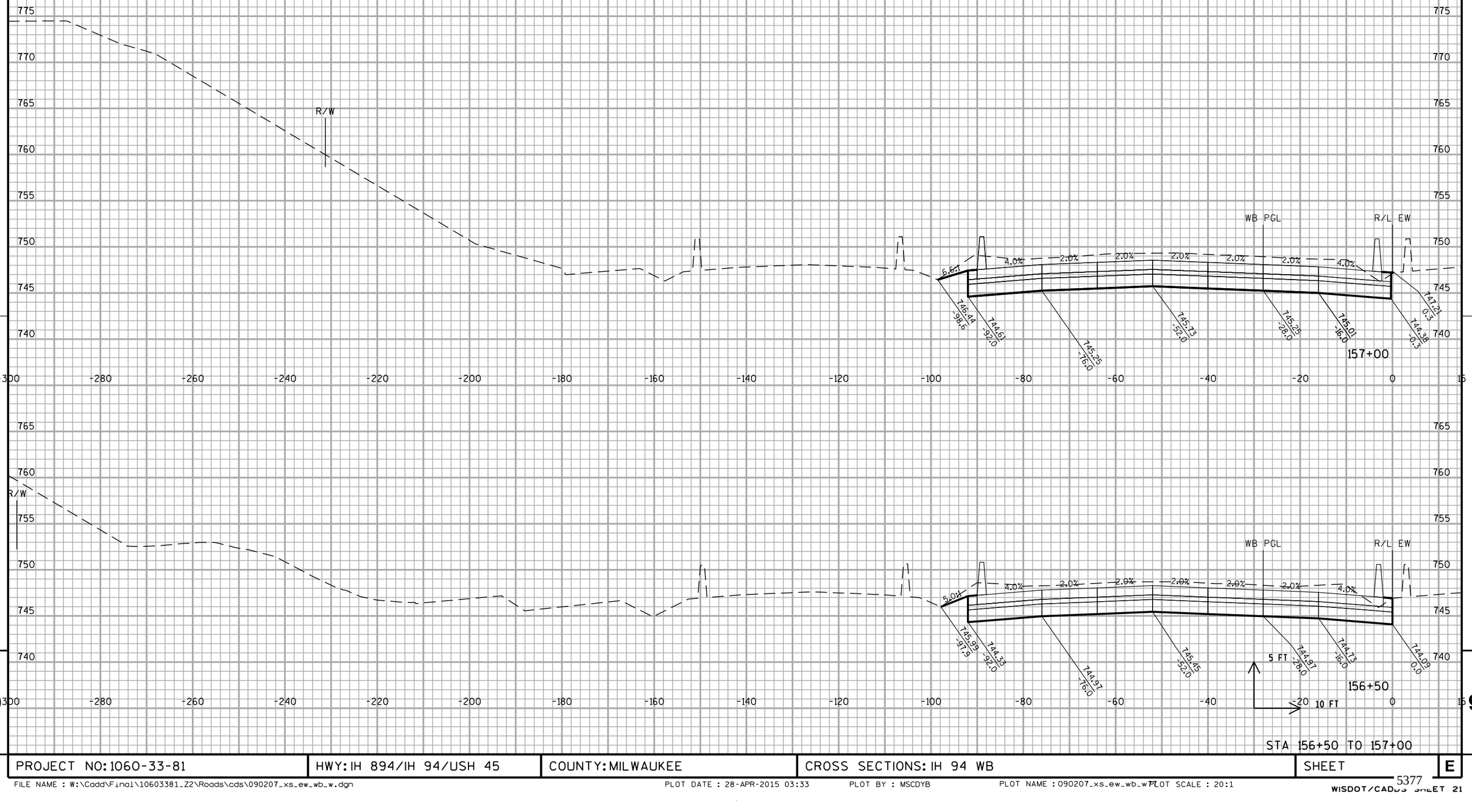
ALL WORK STAGE 6



STA 155+50 TO 156+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

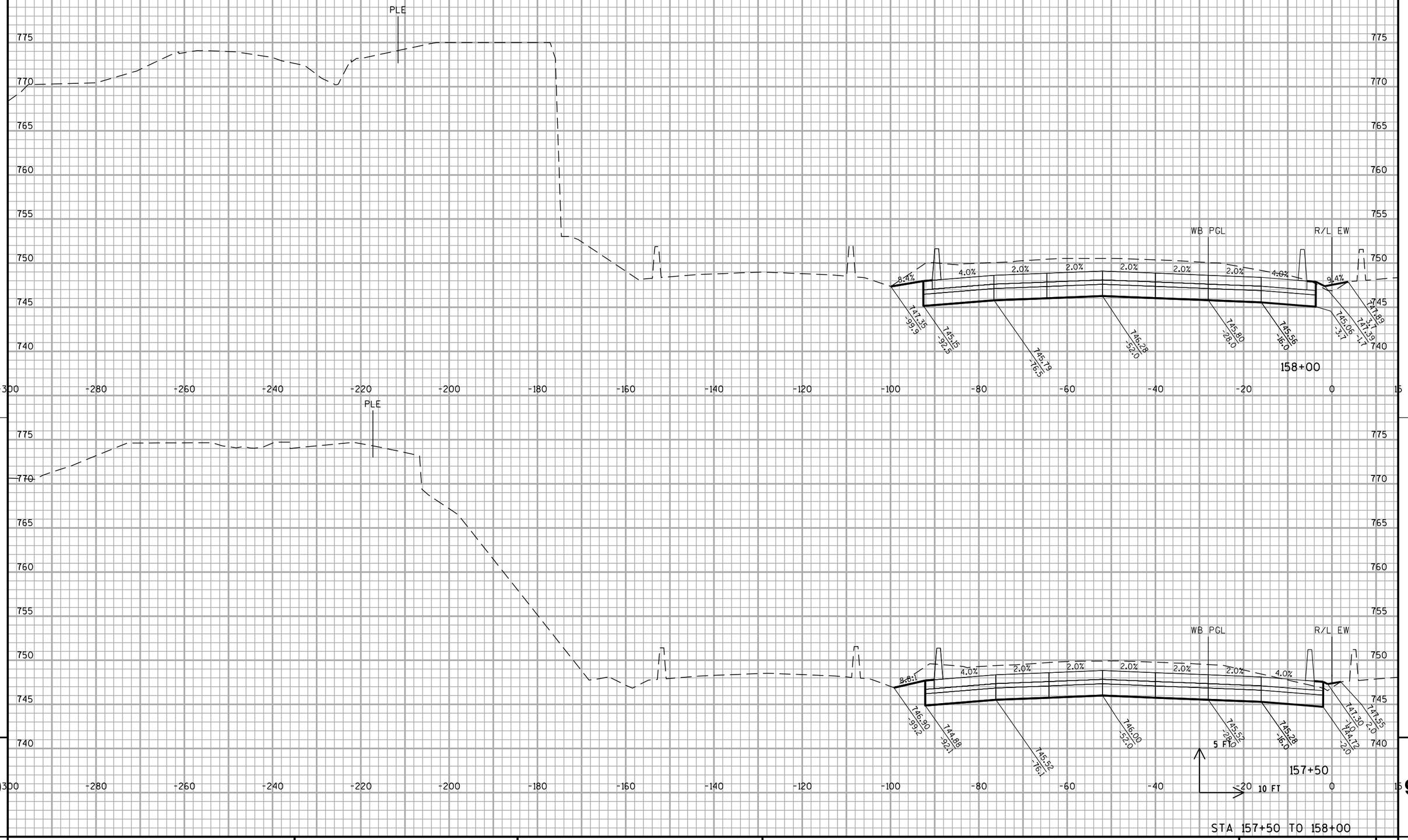
ALL WORK STAGE 6



STA 156+50 TO 157+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

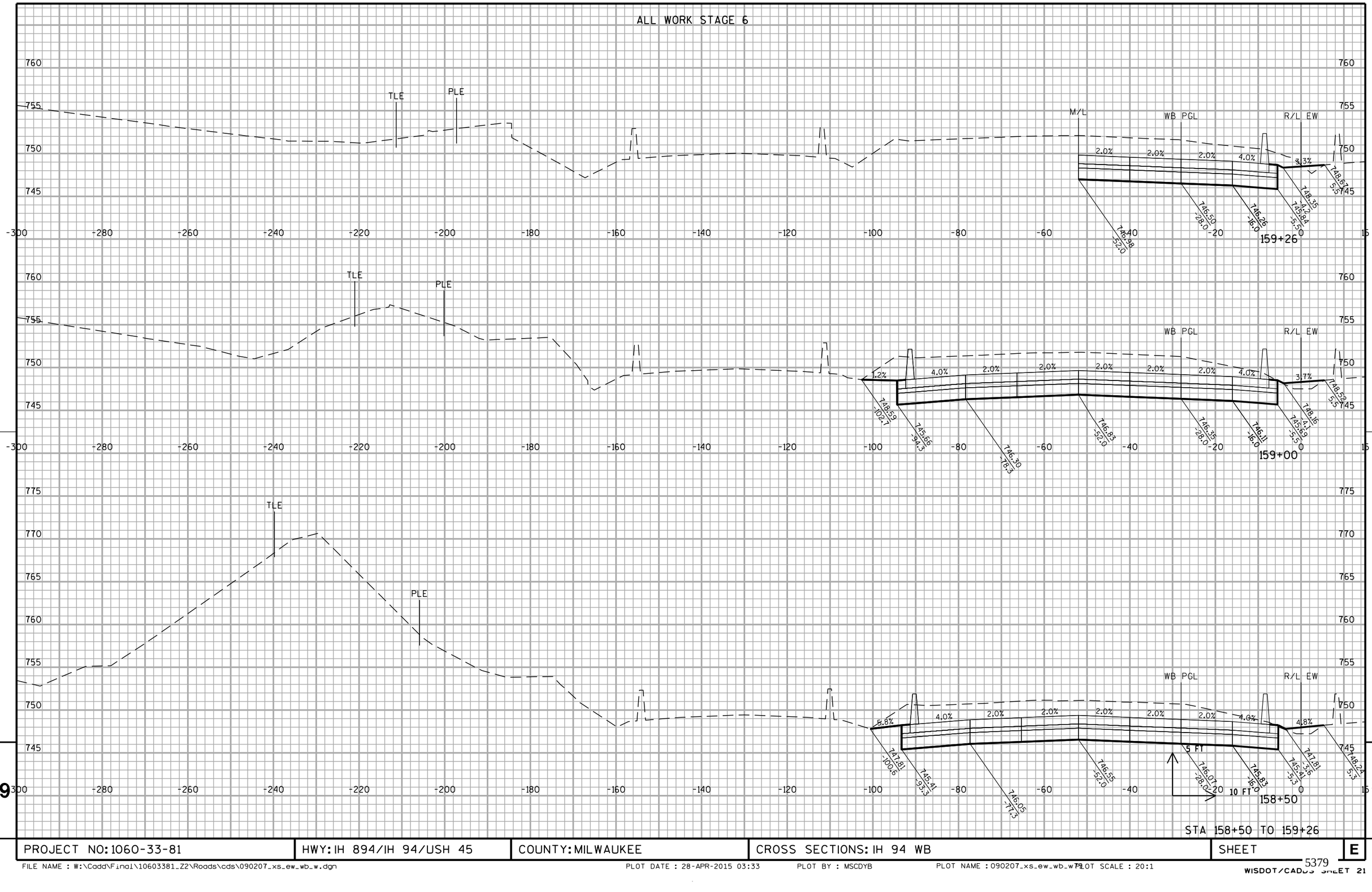


STA 157+50 TO 158+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

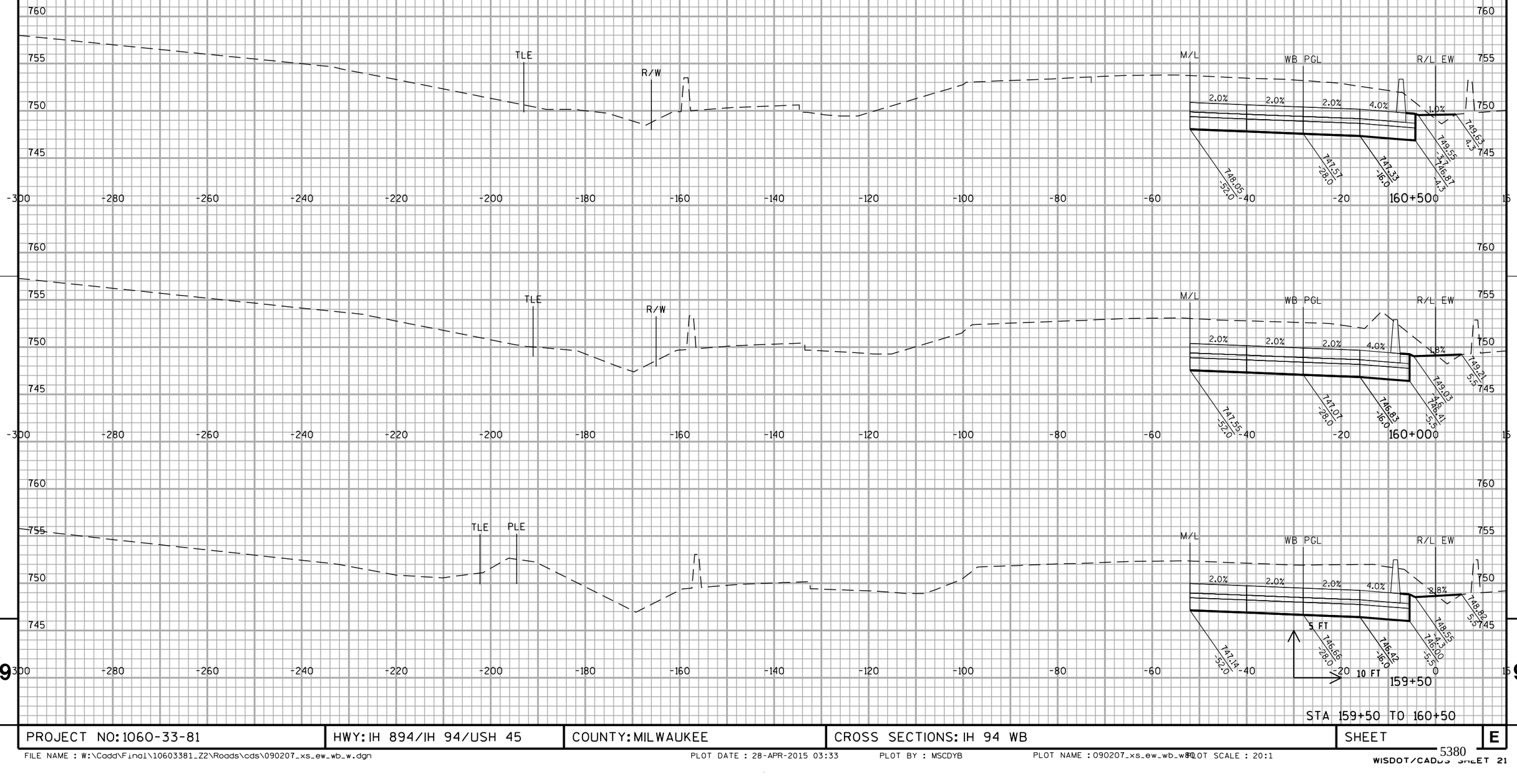
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

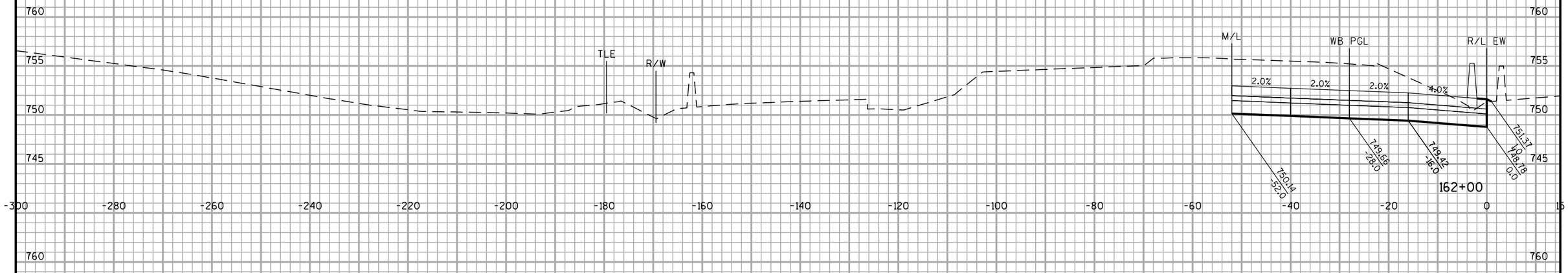


STA 159+50 TO 160+50

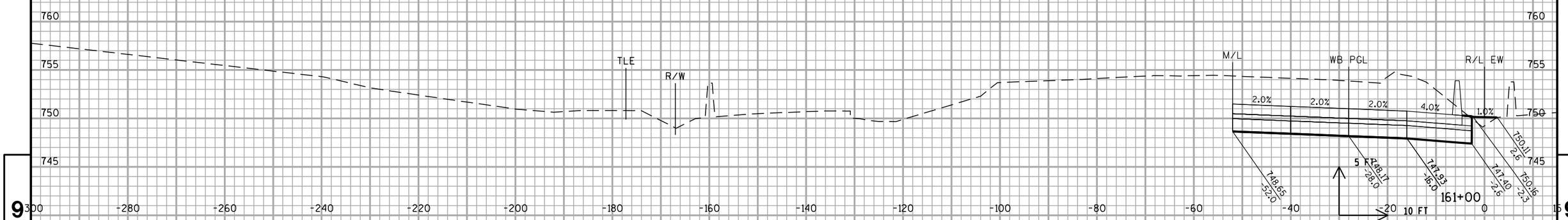
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6







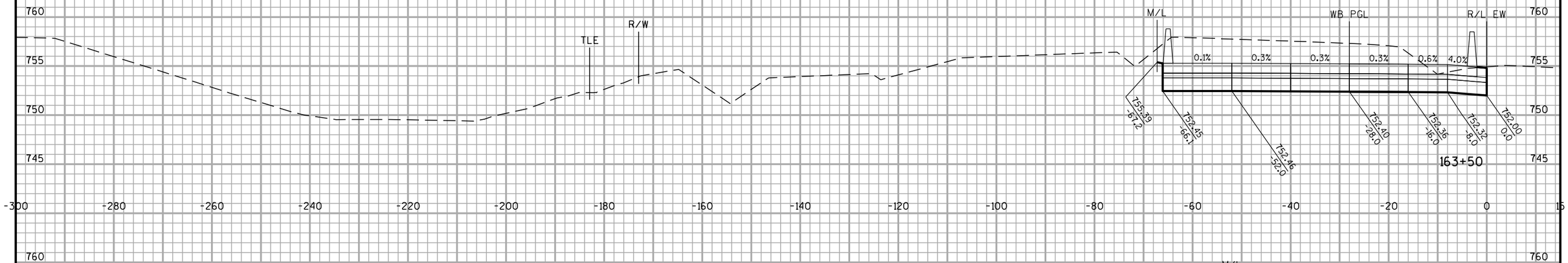
STA 161+00 TO 162+00

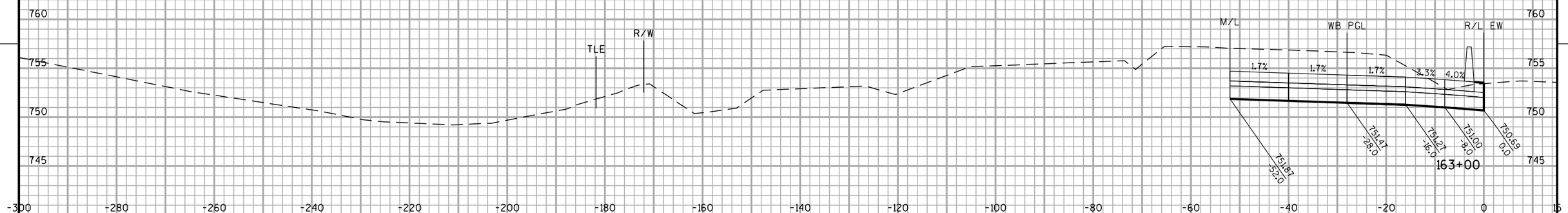
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

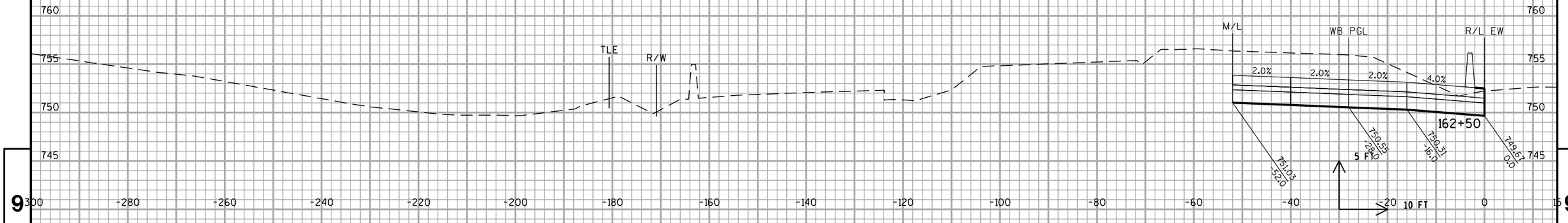
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6





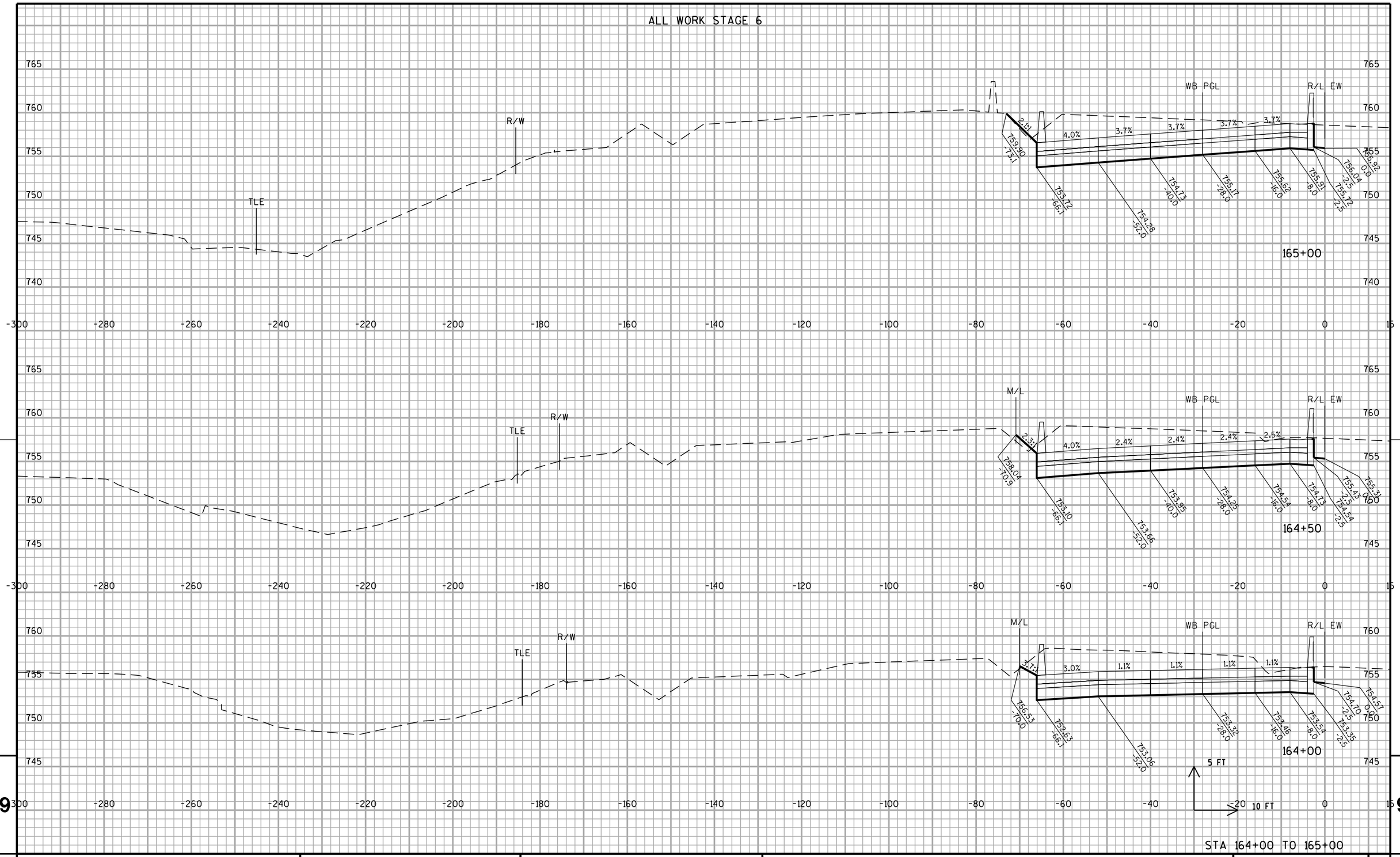


STA 162+50 TO 163+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

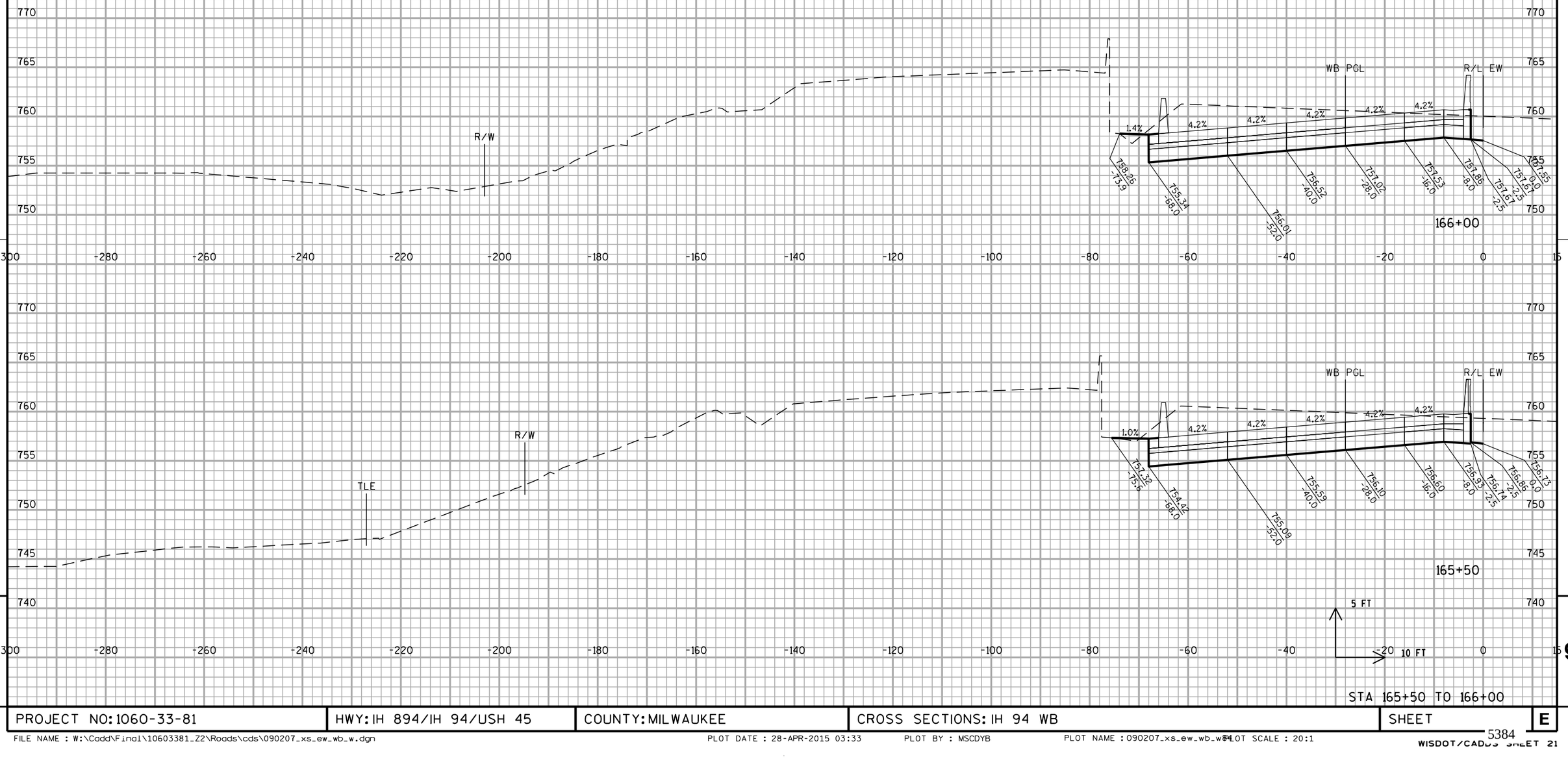
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

9 9

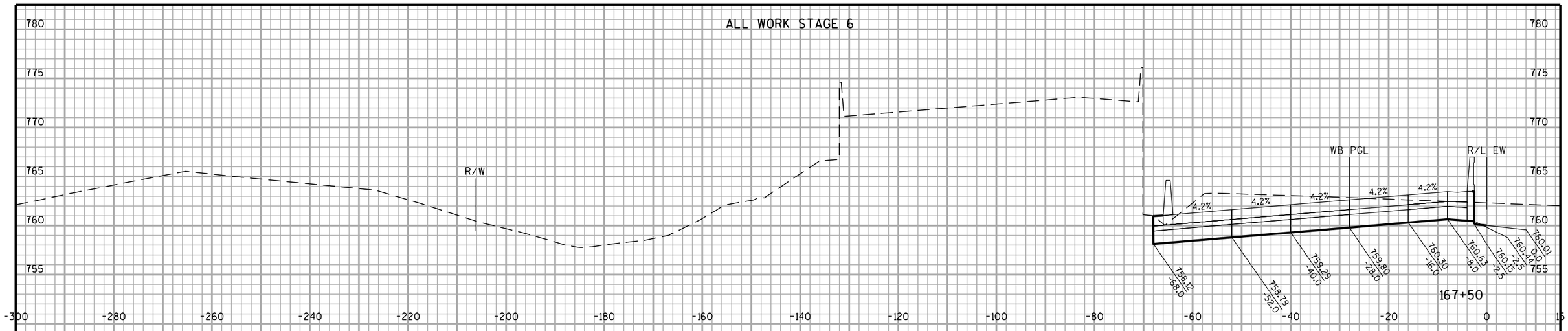
ALL WORK STAGE 6

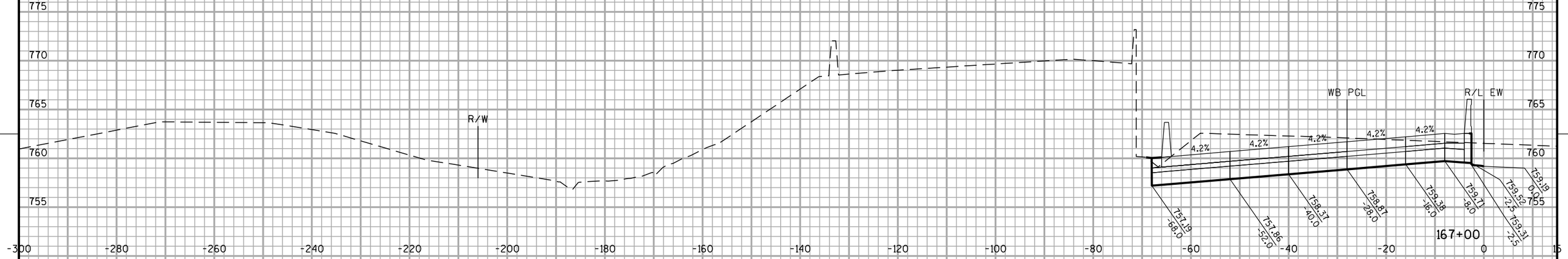


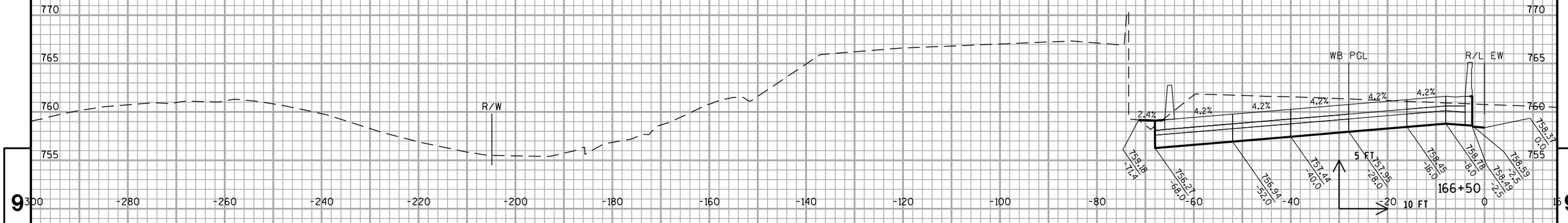
STA 165+50 TO 166+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6







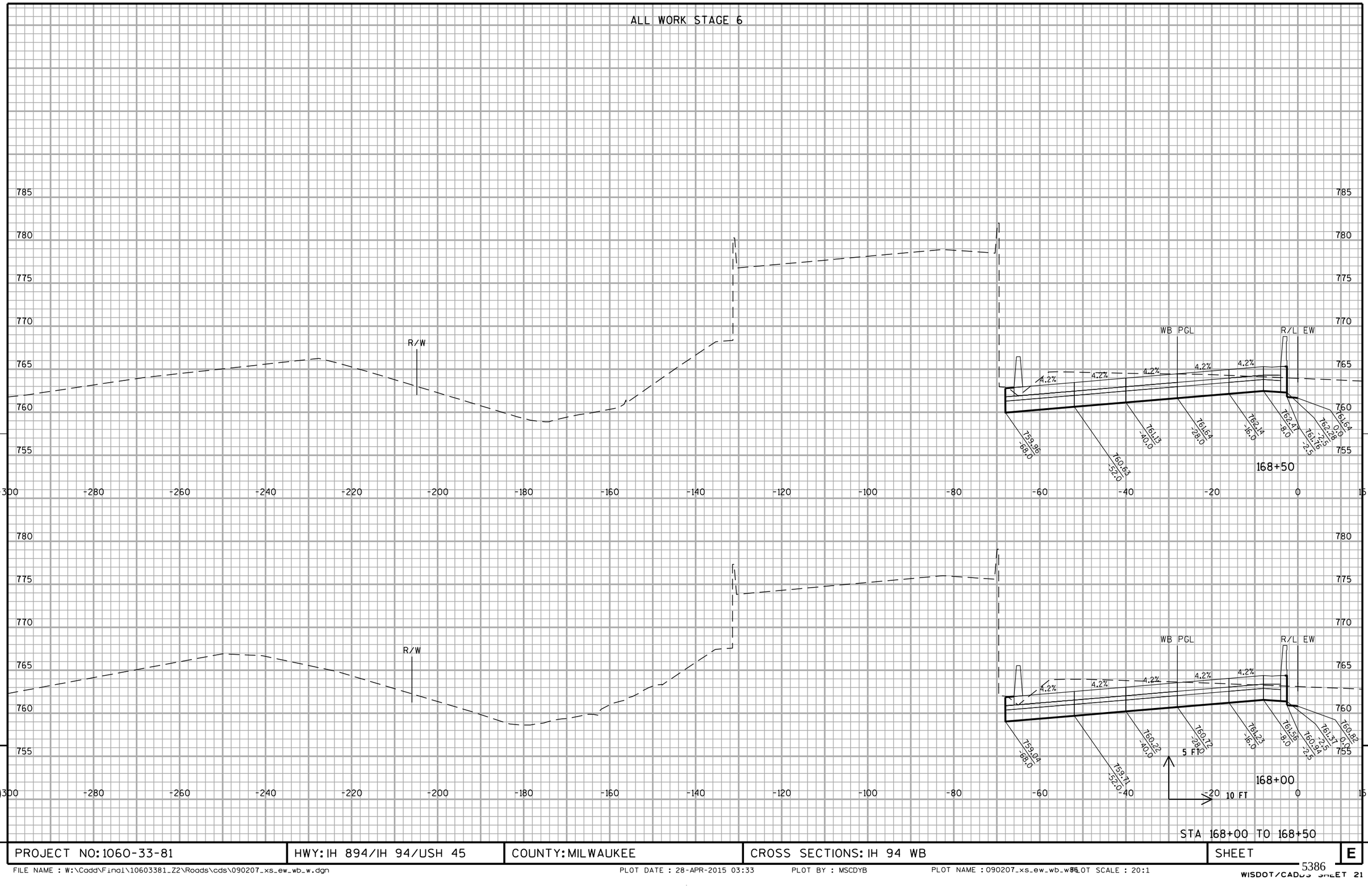
STA 166+50 TO 167+50

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

9

ALL WORK STAGE 6



9

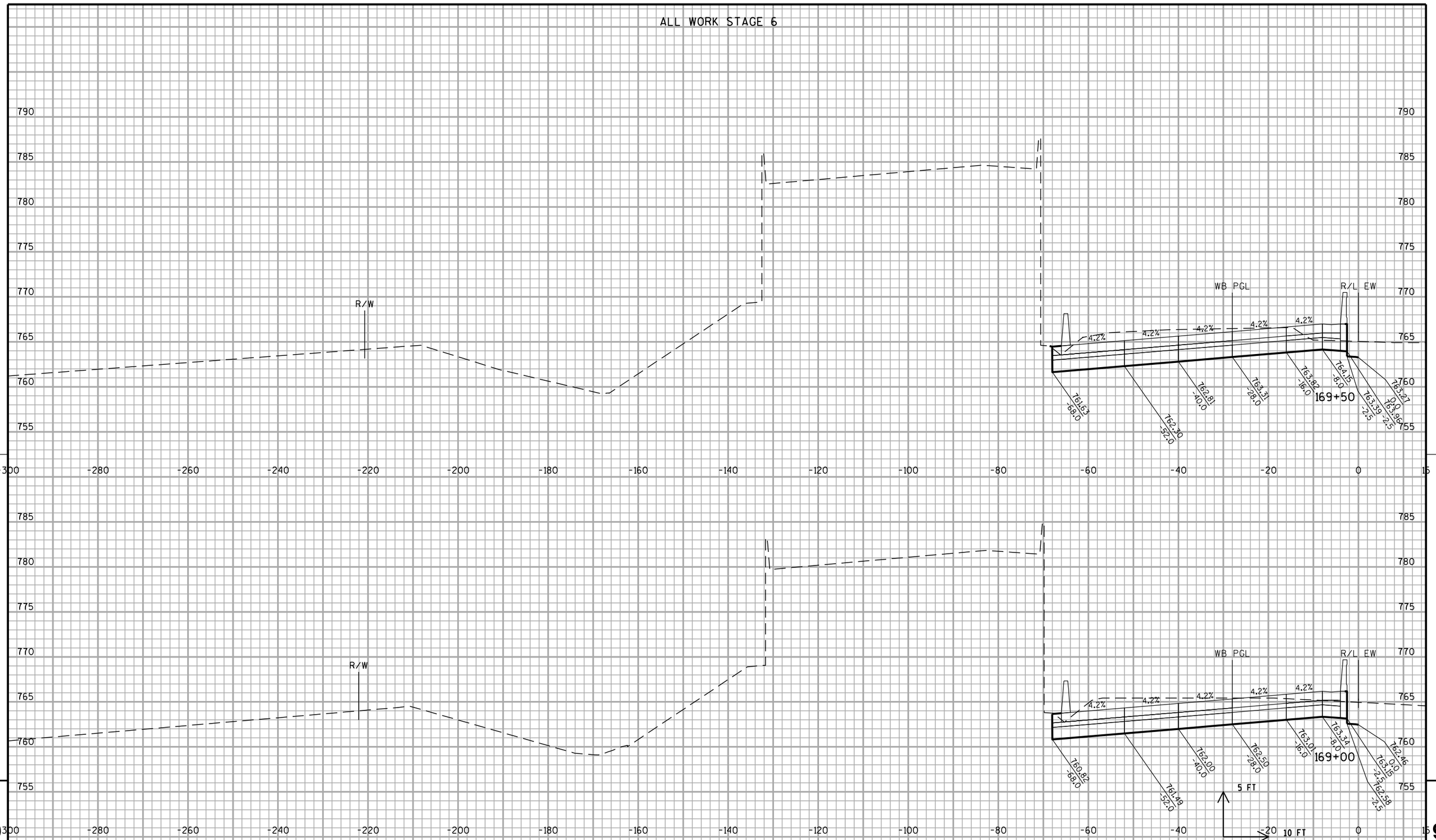
9

STA 168+00 TO 168+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

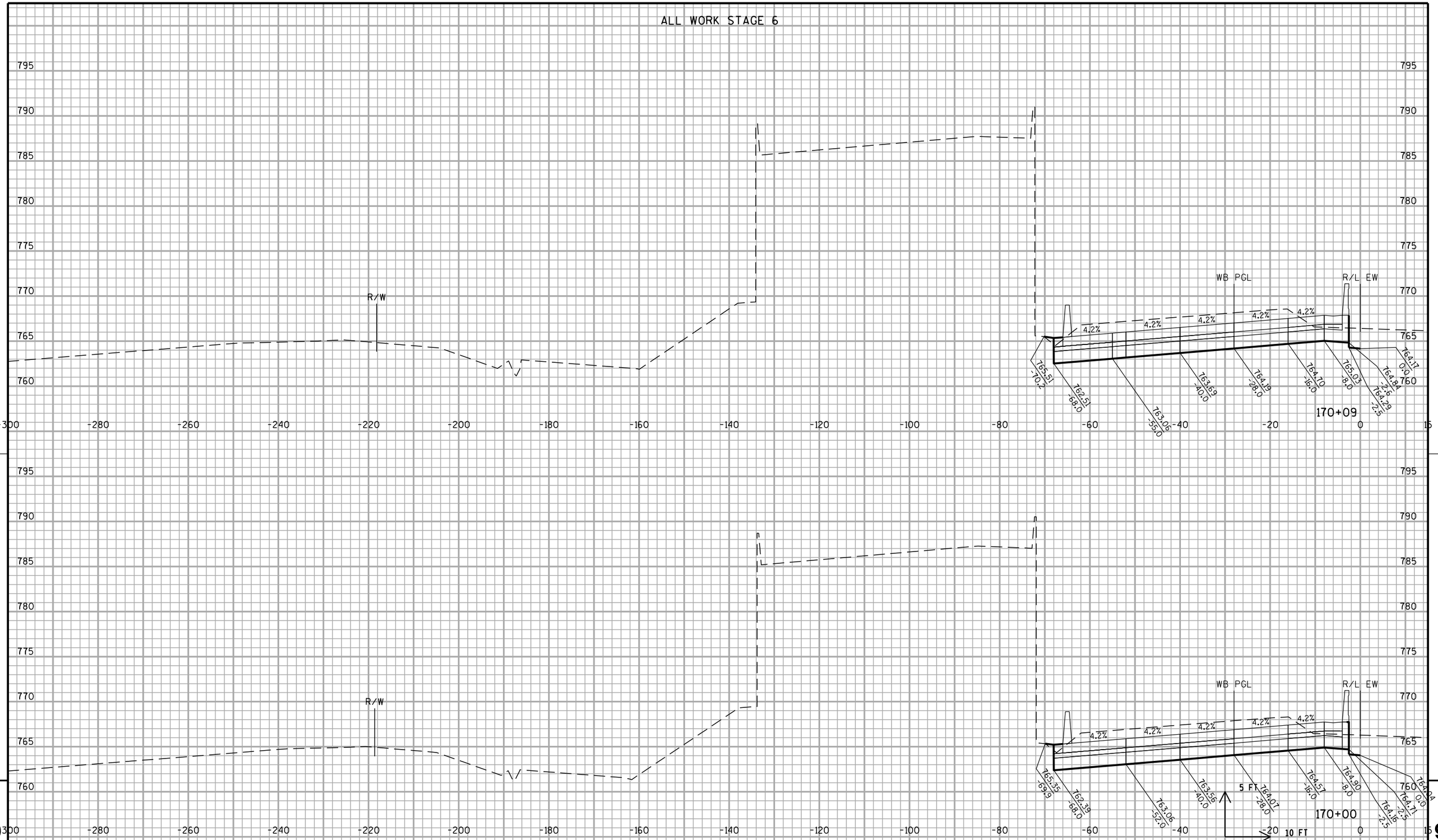
ALL WORK STAGE 6



STA 169+00 TO 169+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



STA 170+00 TO 170+09

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

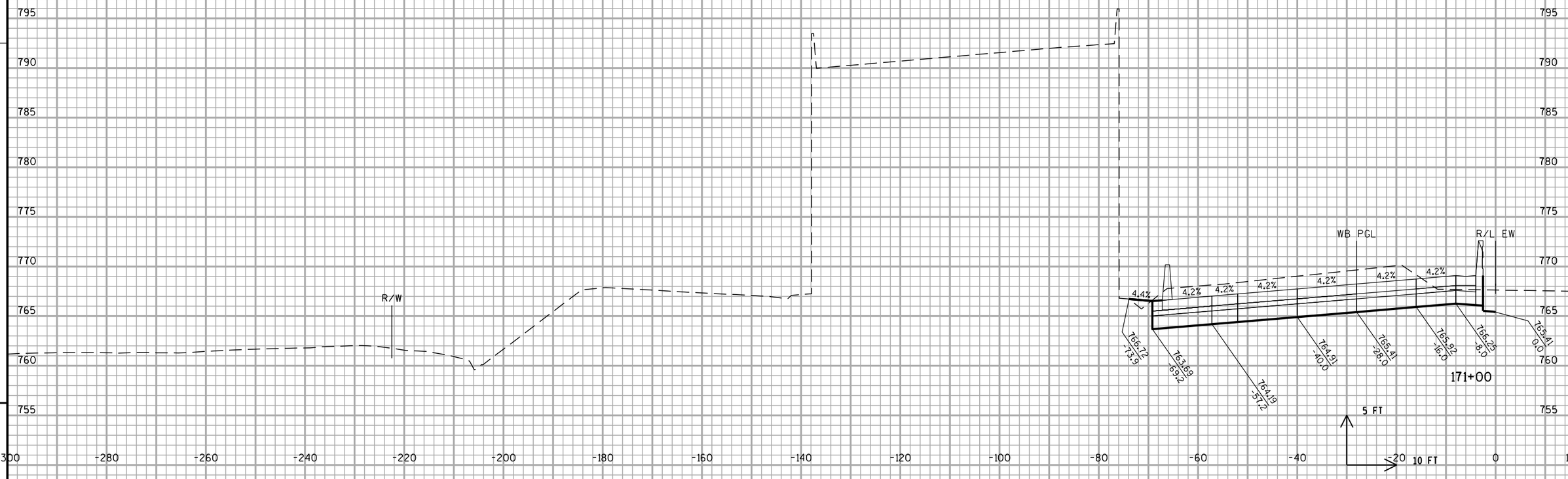
ALL WORK STAGE 6



STA 170+50 TO 170+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

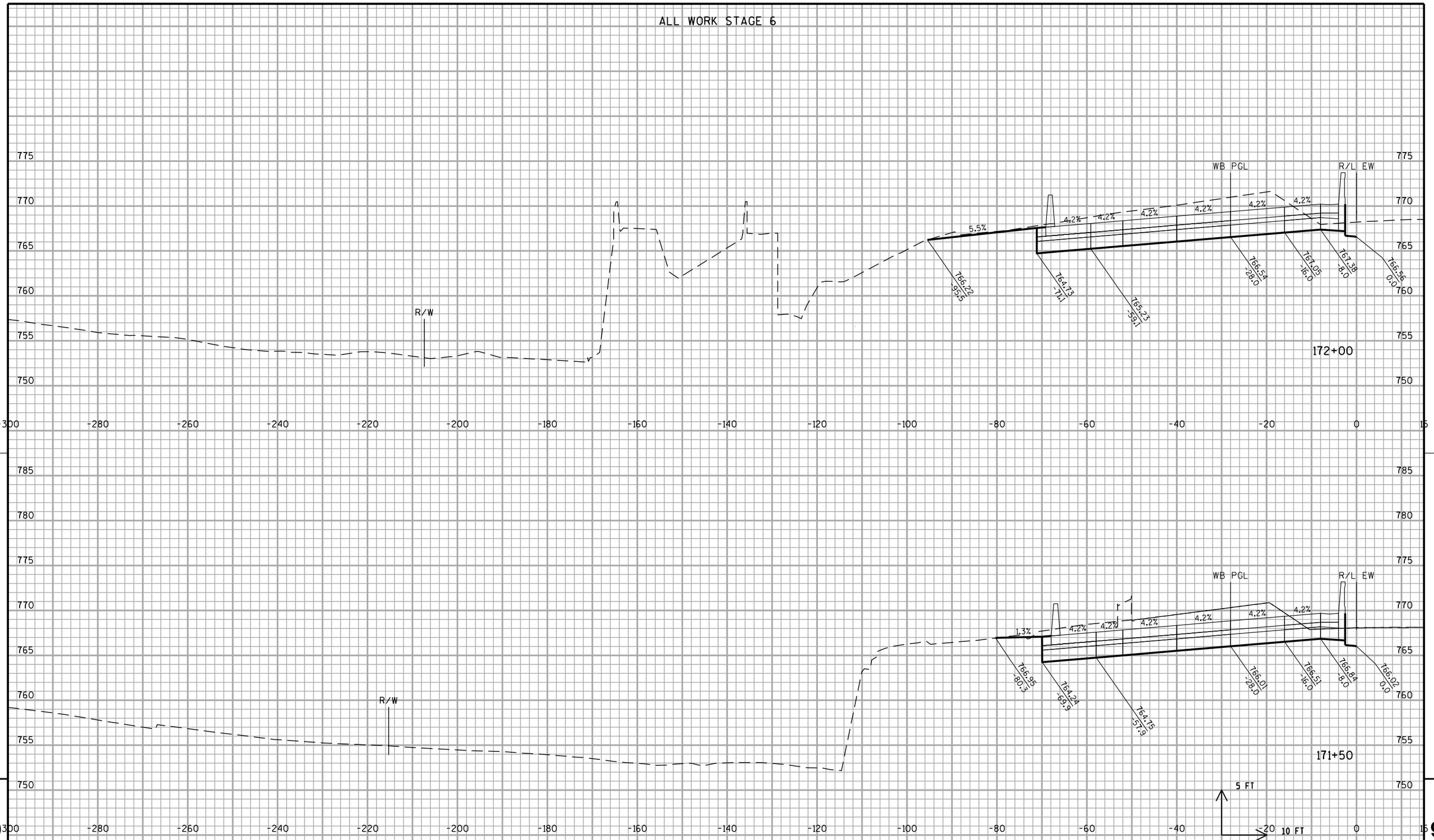
ALL WORK STAGE 6



STA 171+00 TO 171+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

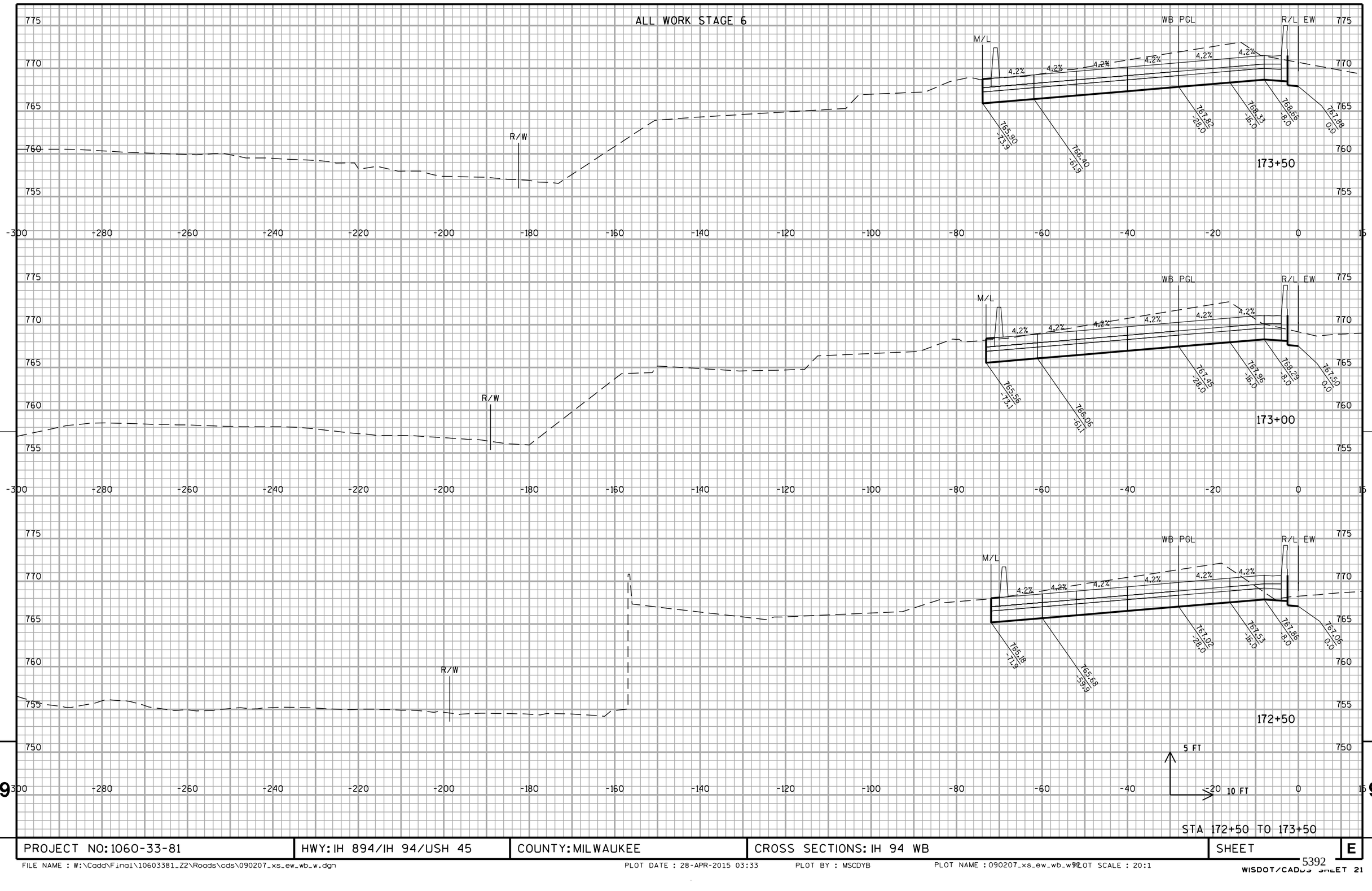


STA 171+50 TO 172+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

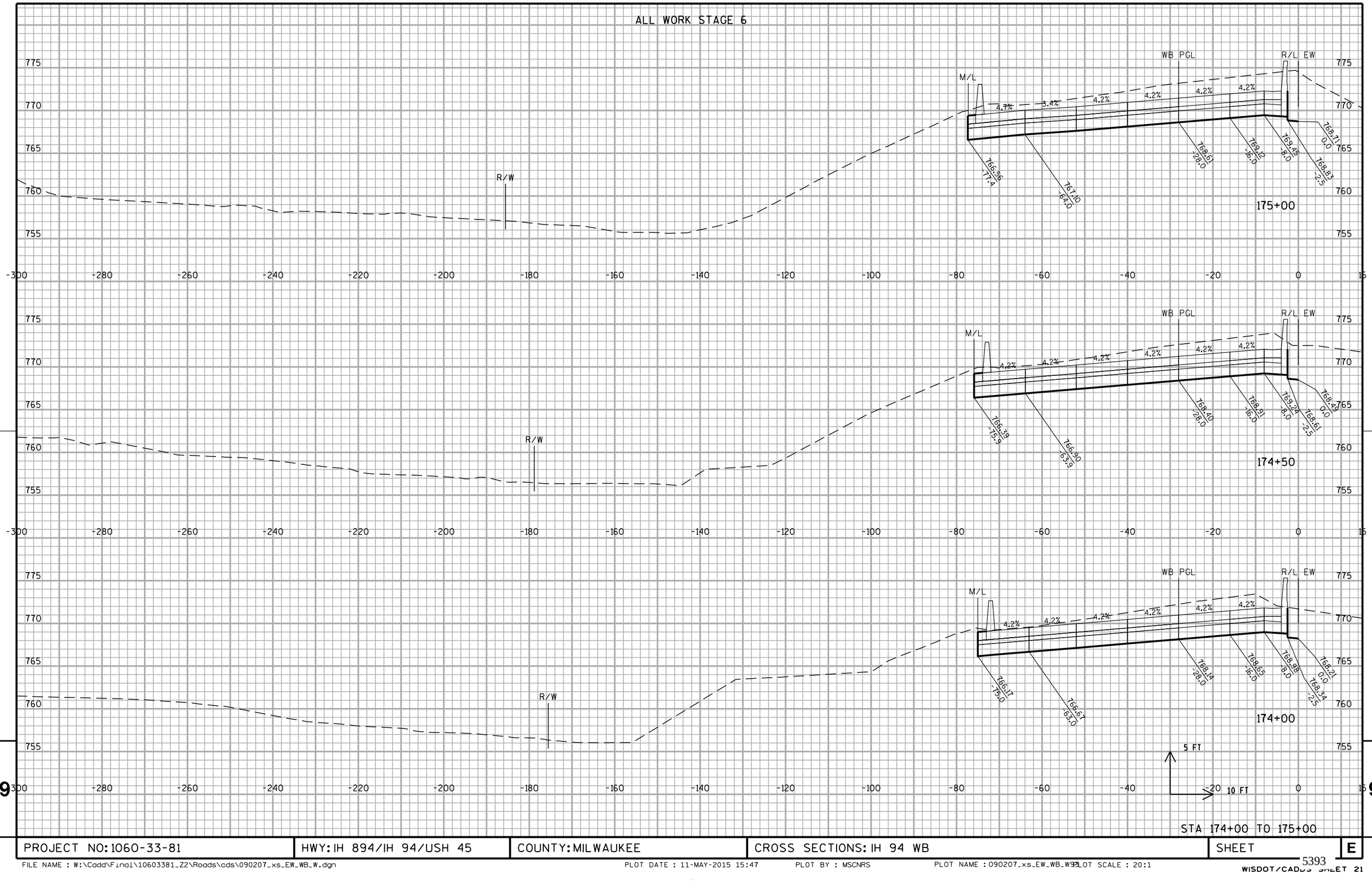
ALL WORK STAGE 6



STA 172+50 TO 173+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

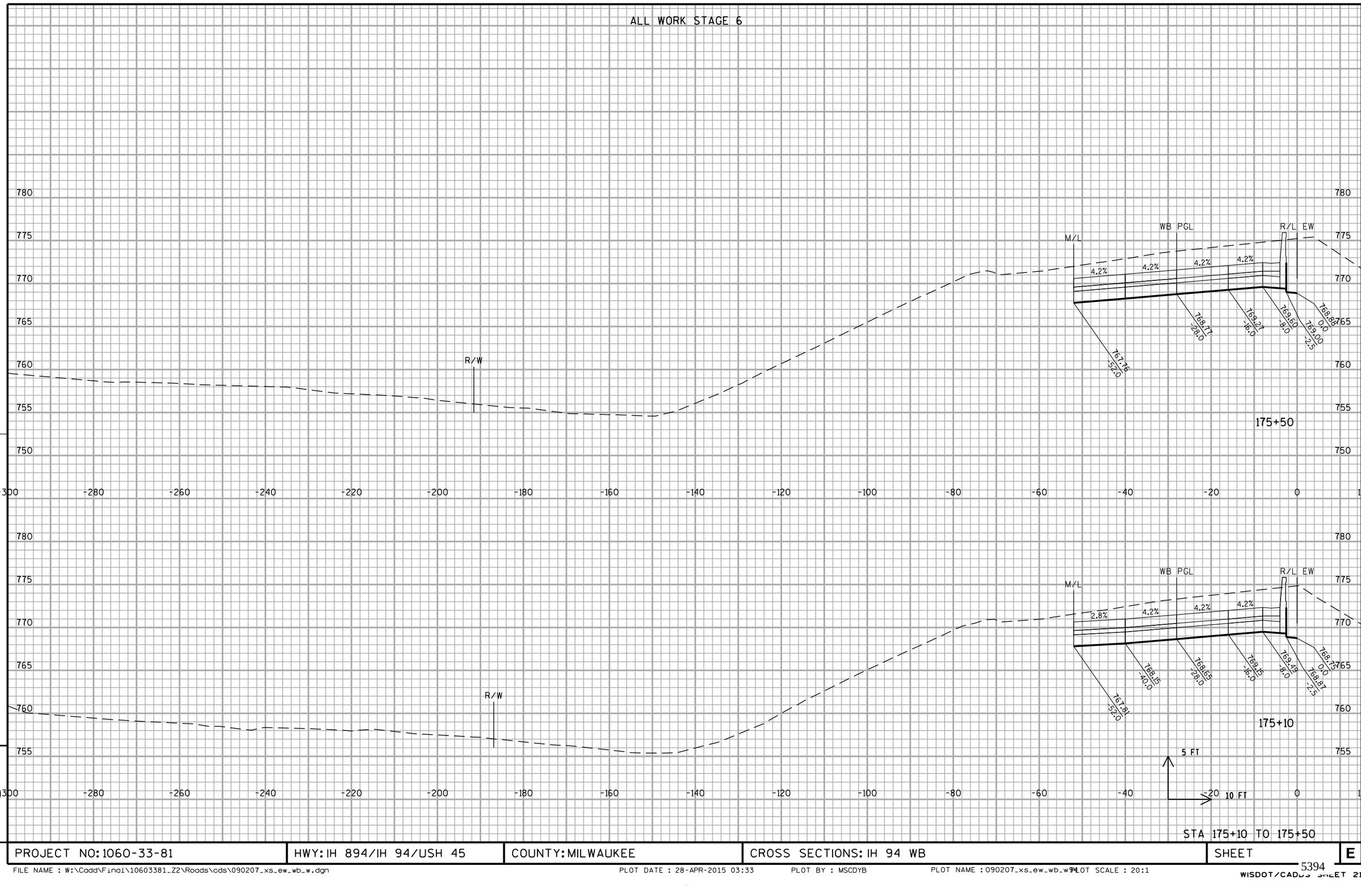


STA 174+00 TO 175+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_EW_WB_W.dgn PLOT DATE : 11-MAY-2015 15:47 PLOT BY : MSCNRS PLOT NAME : 090207_xs_EW_WB_W33 PLOT SCALE : 20:1

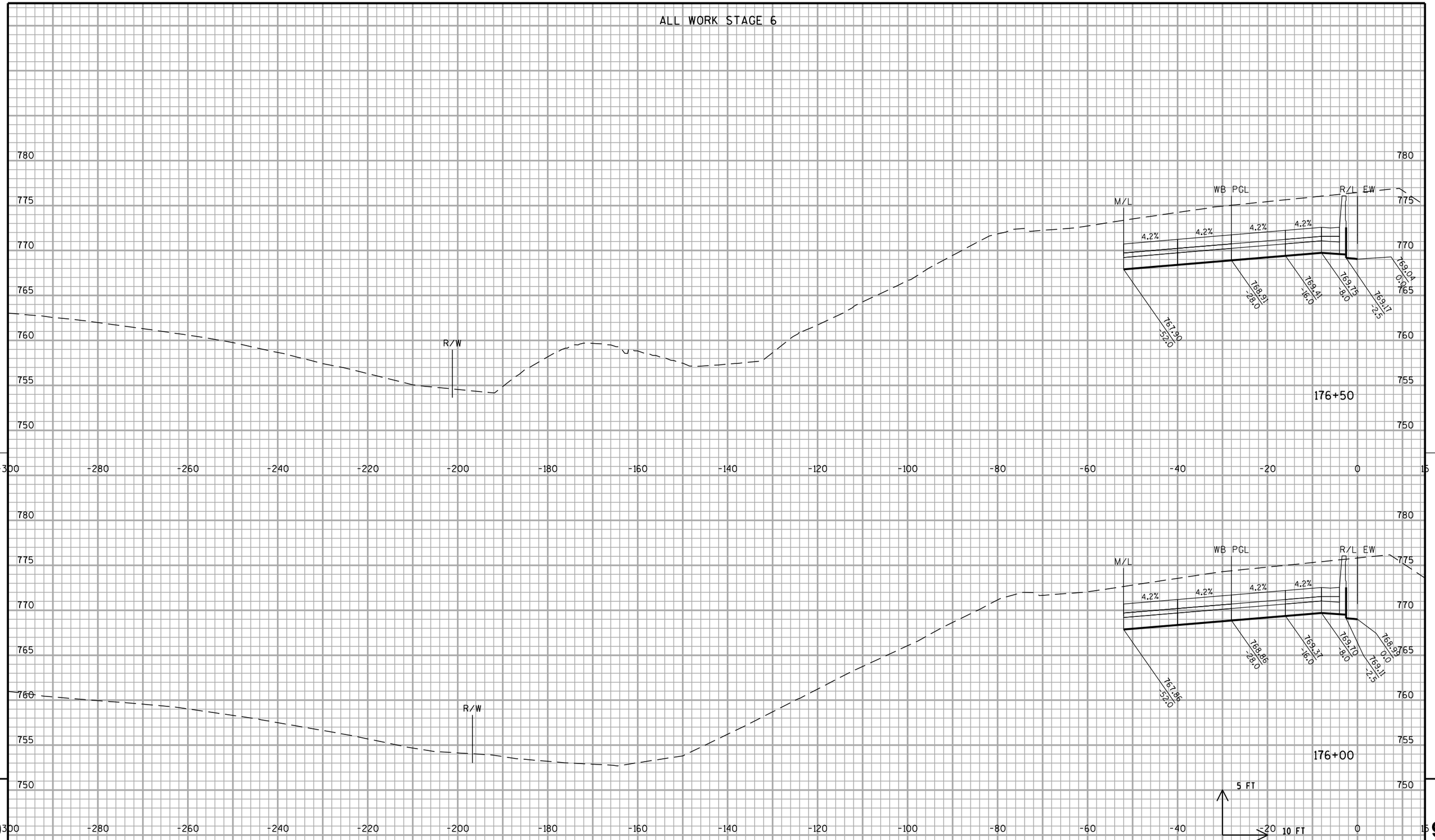
ALL WORK STAGE 6



STA 175+10 TO 175+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

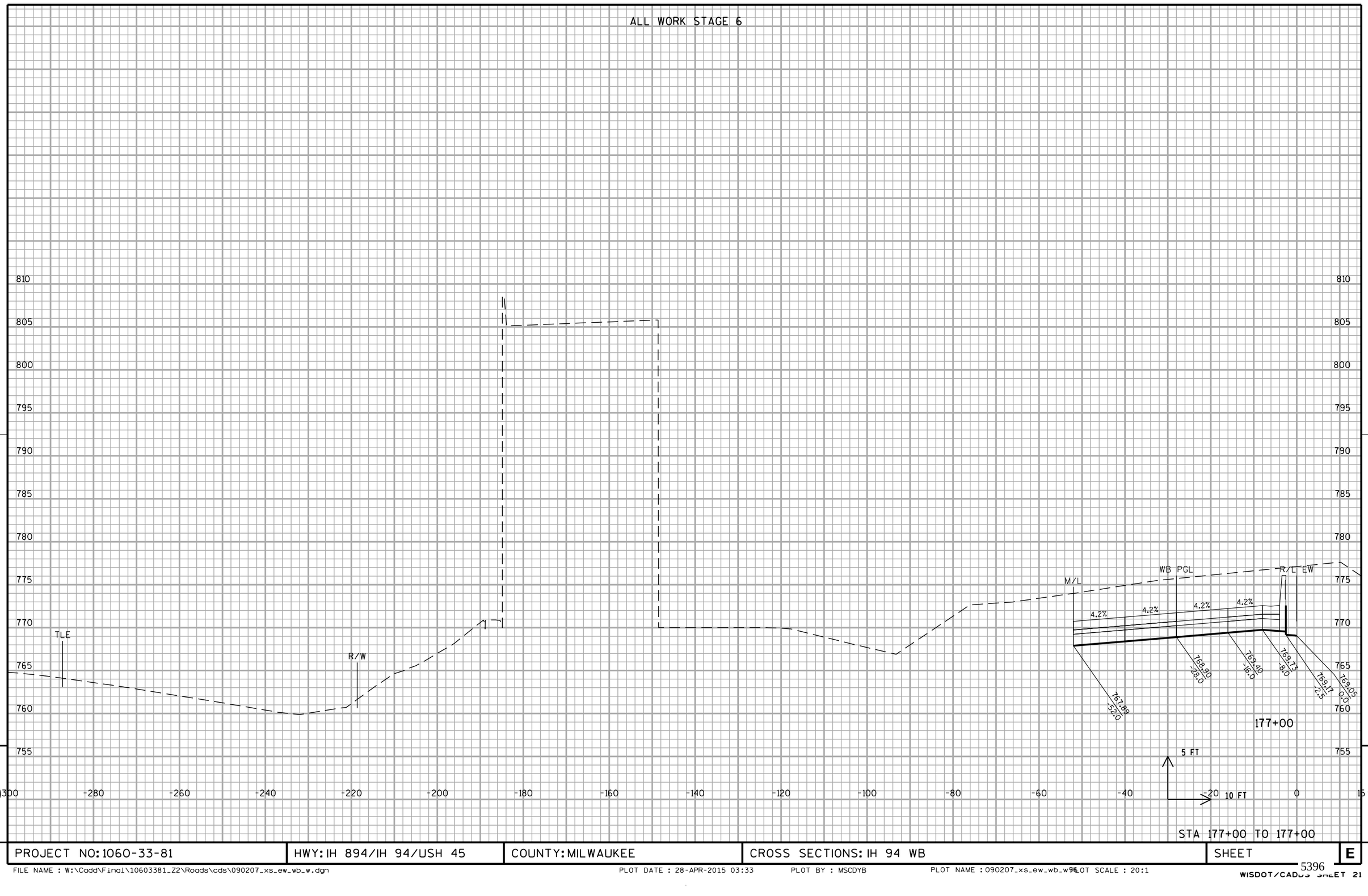
ALL WORK STAGE 6



STA 176+00 TO 176+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

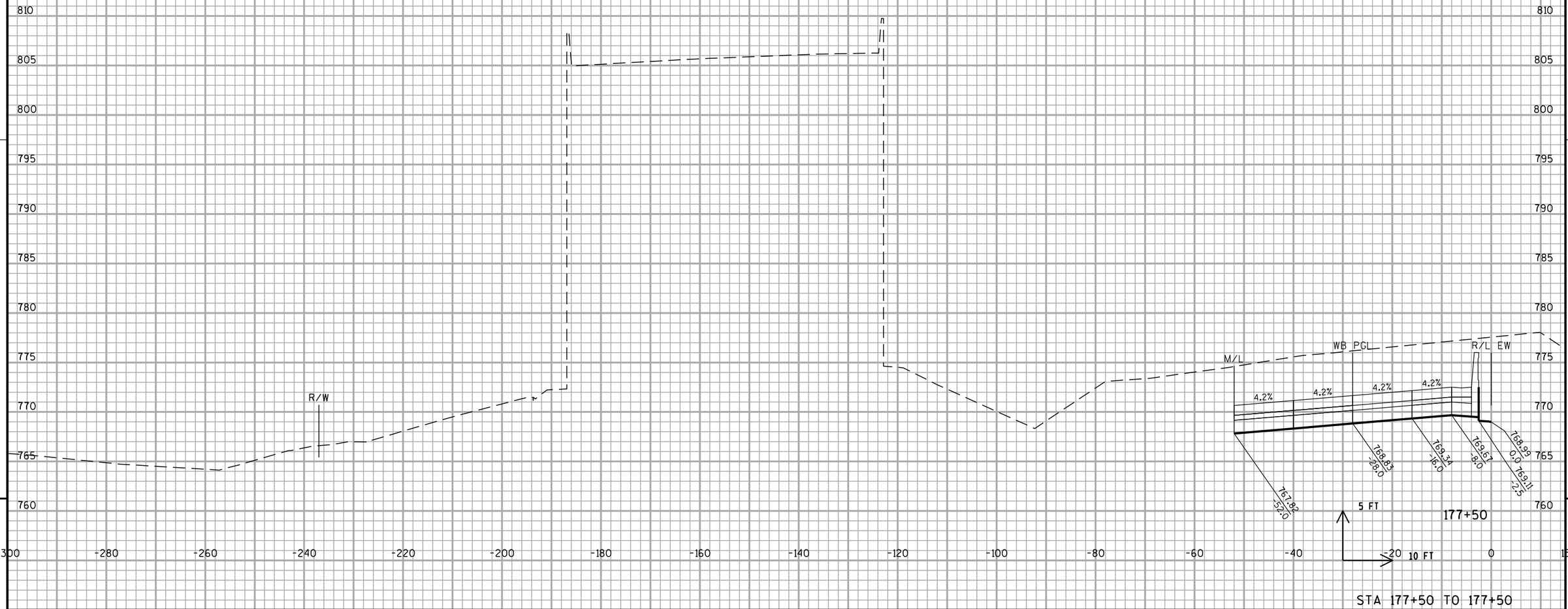


9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

STA 177+00 TO 177+00

ALL WORK STAGE 6

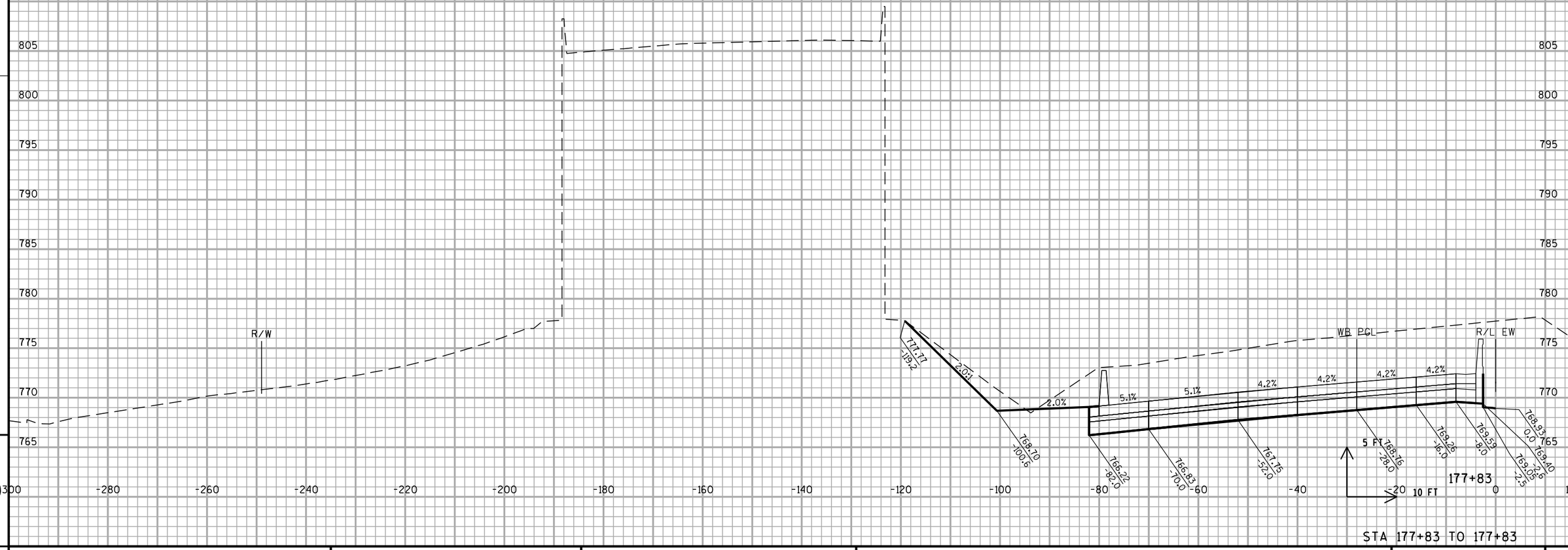


STA 177+50 TO 177+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

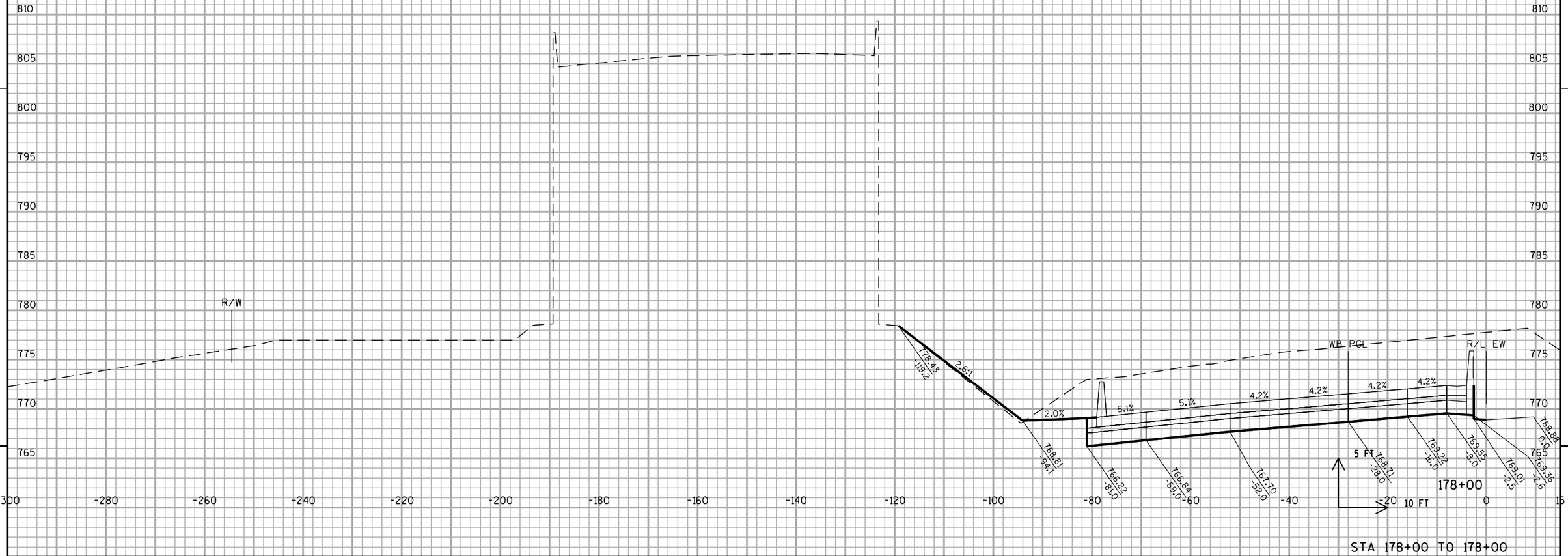
ALL WORK STAGE 6



STA 177+83 TO 177+83

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



STA 178+00 TO 178+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 178+50 TO 178+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 179+00 TO 179+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6



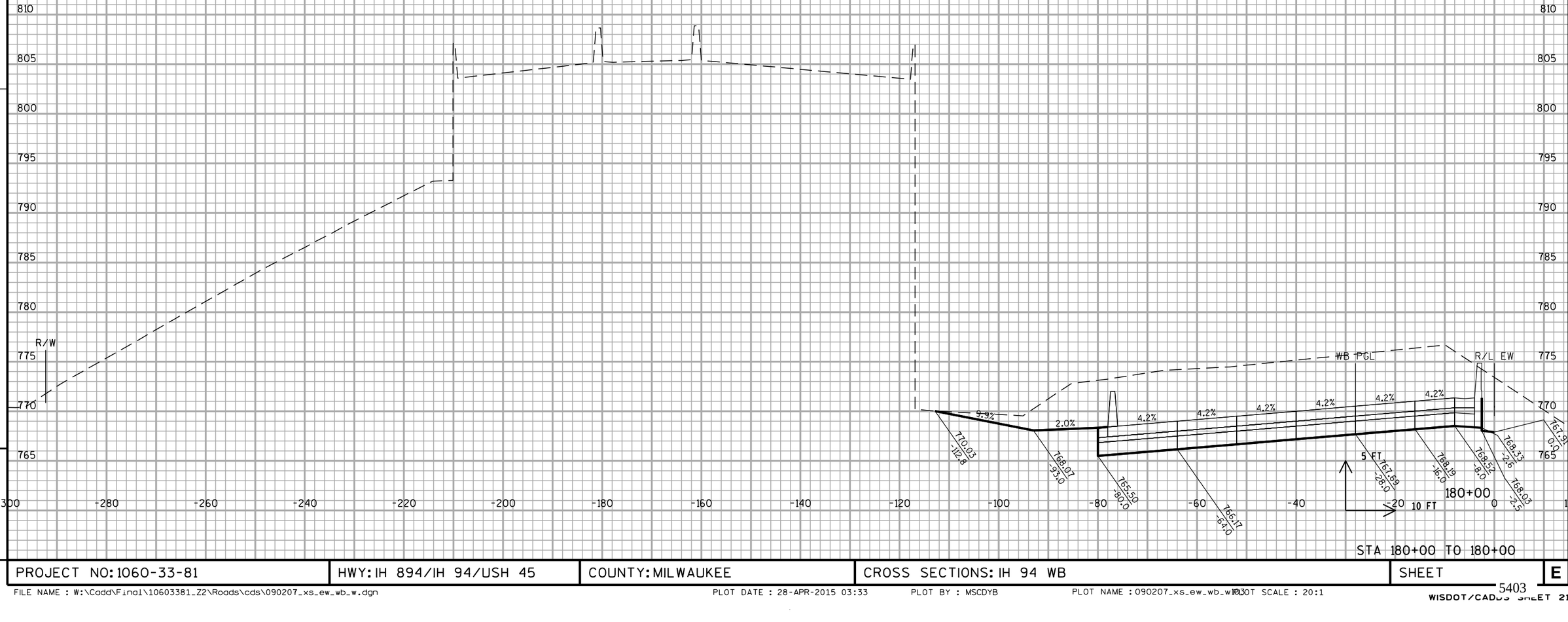
STA 179+50 TO 179+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.PLT PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 180+00 TO 180+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pl PLOT SCALE : 20:1

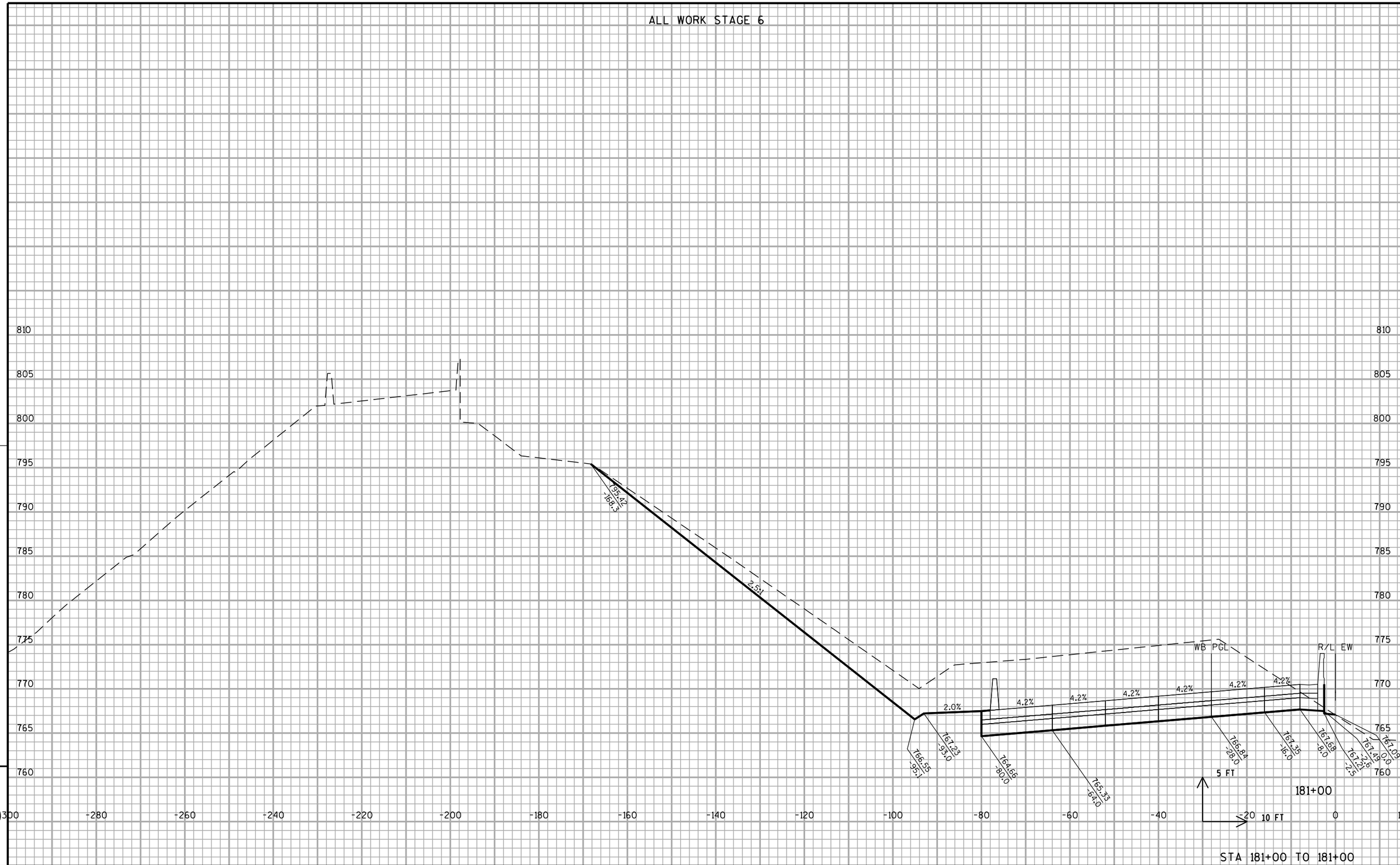
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

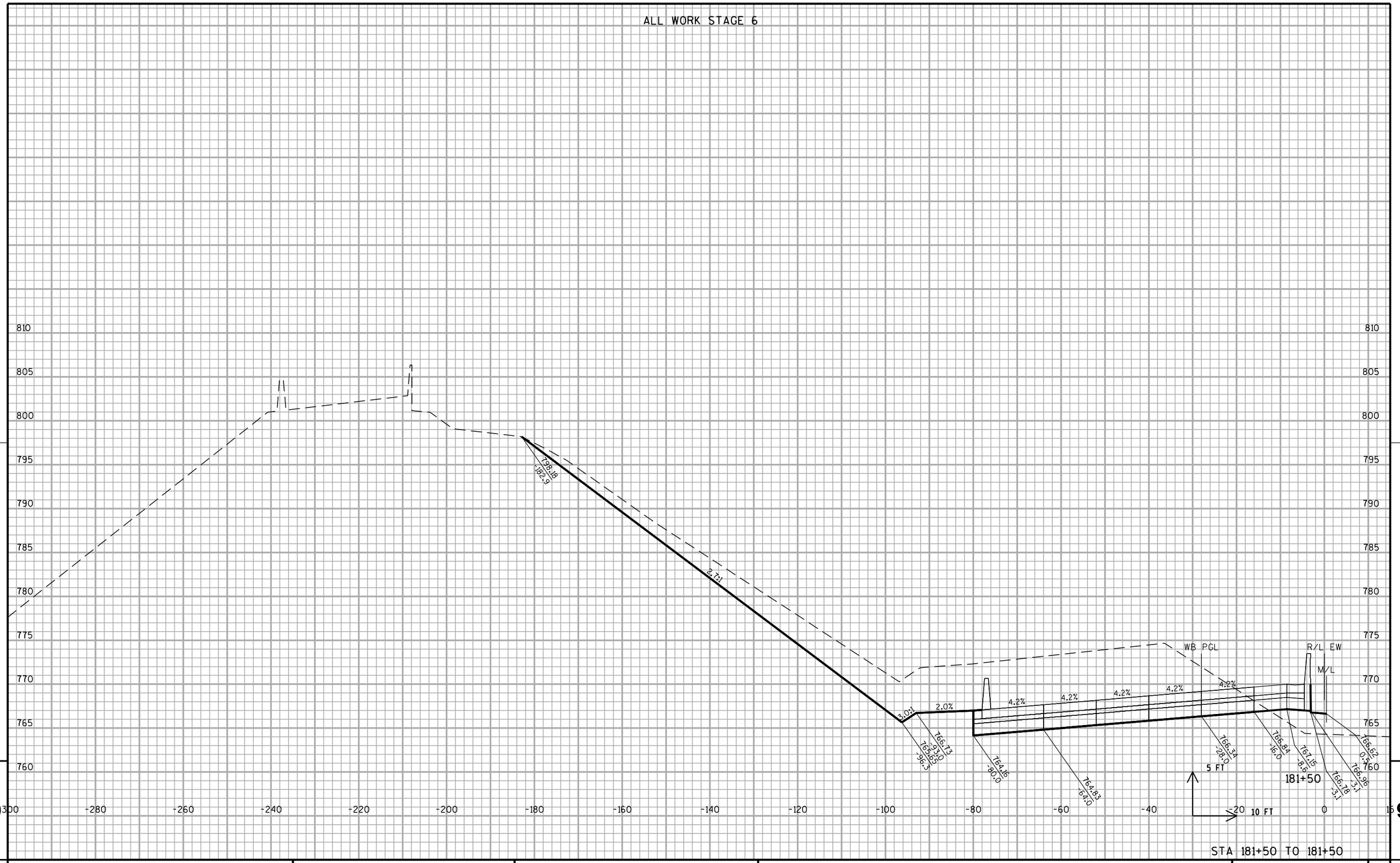


STA 181+00 TO 181+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

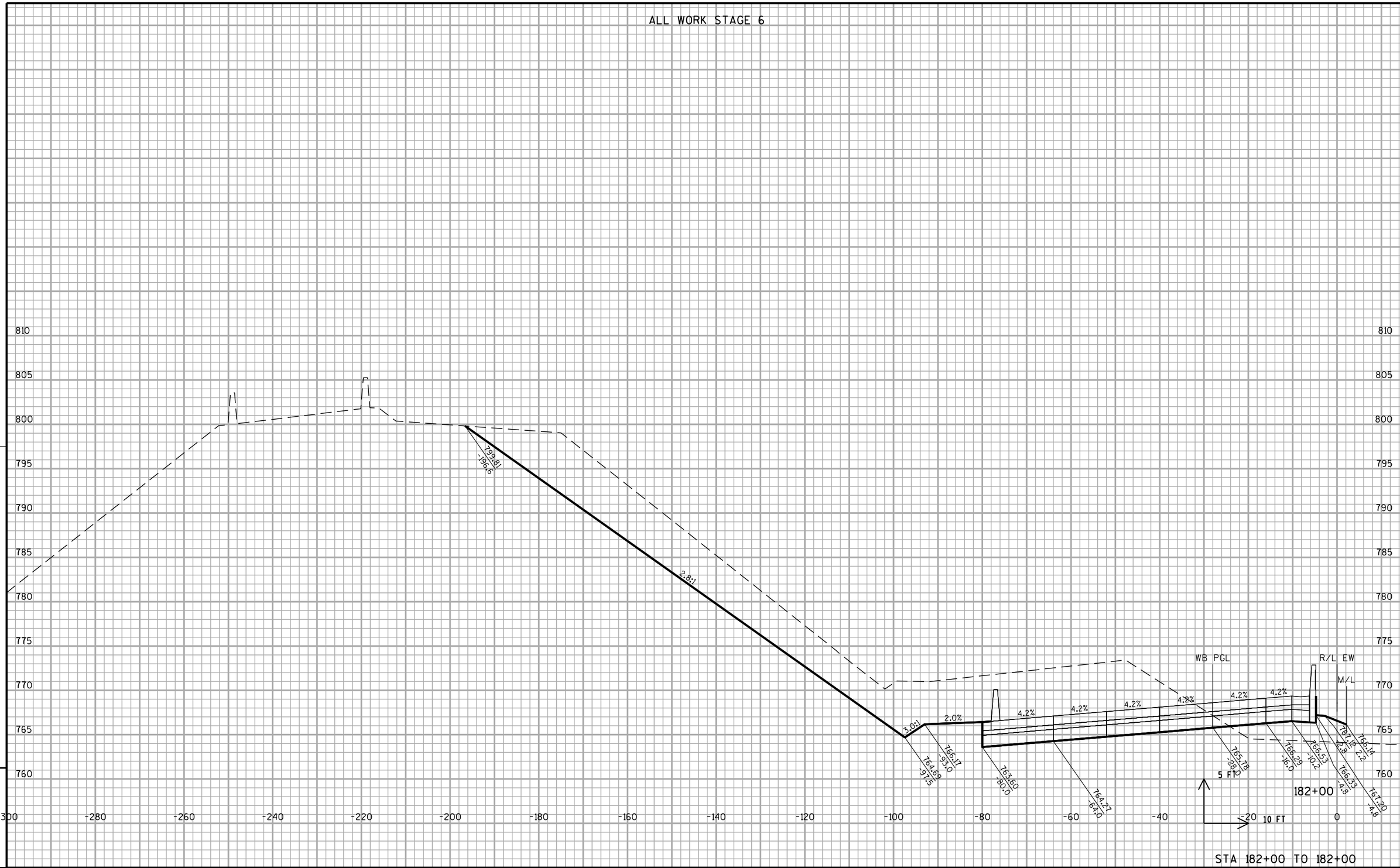


STA 181+50 TO 181+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pltPLOT SCALE : 20:1

ALL WORK STAGE 6



STA 182+00 TO 182+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 182+50 TO 182+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.pdf PLOT SCALE : 20:1

ALL WORK STAGE 6

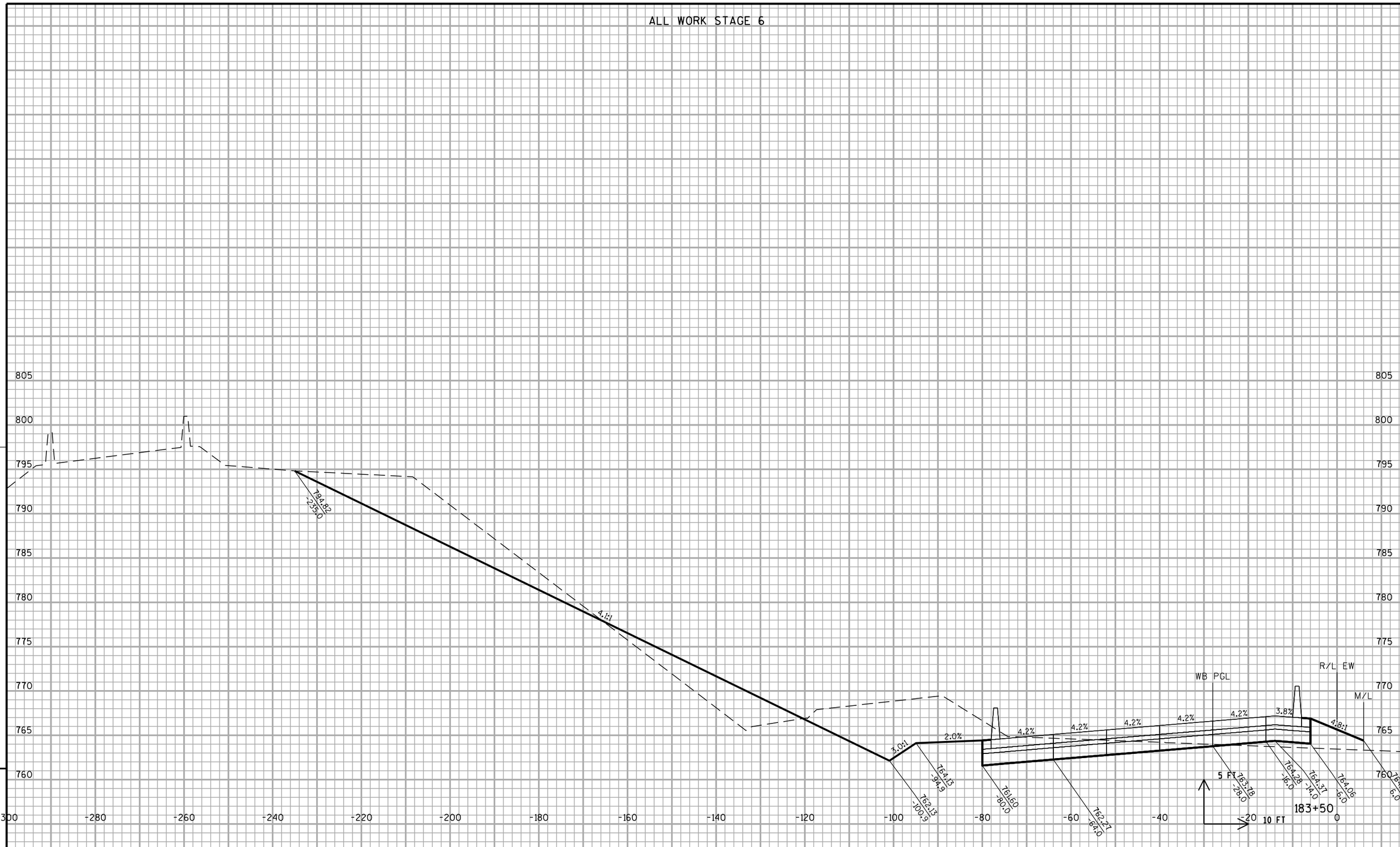


STA 183+00 TO 183+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.dgn PLOT SCALE : 20:1

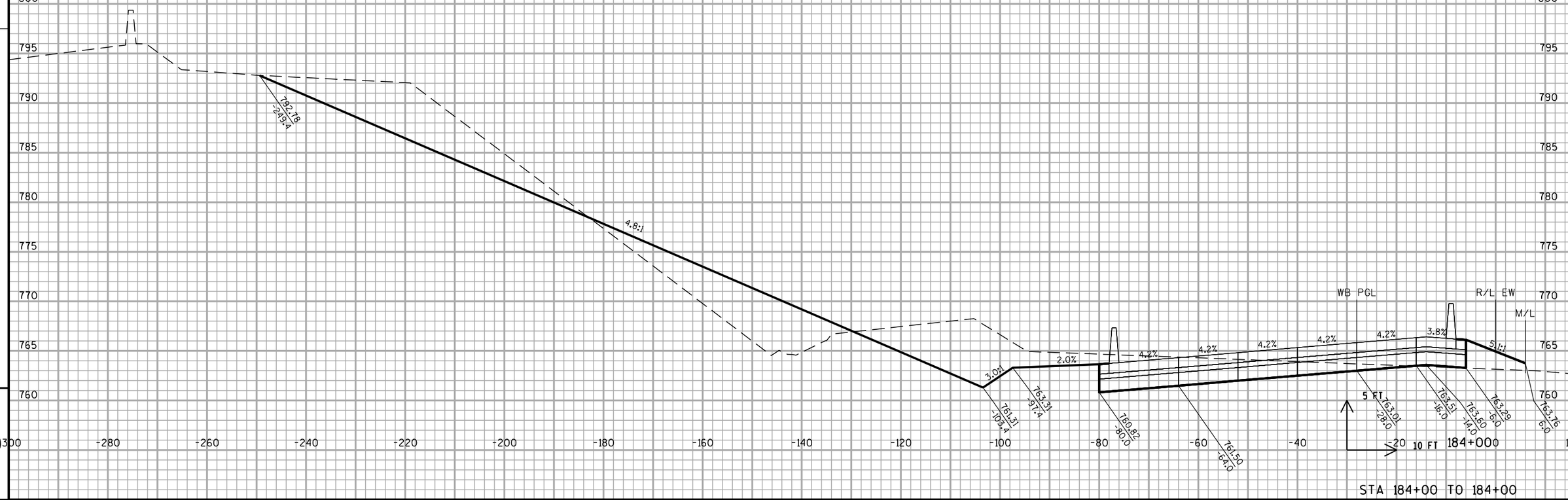
ALL WORK STAGE 6



STA 183+50 TO 183+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 6

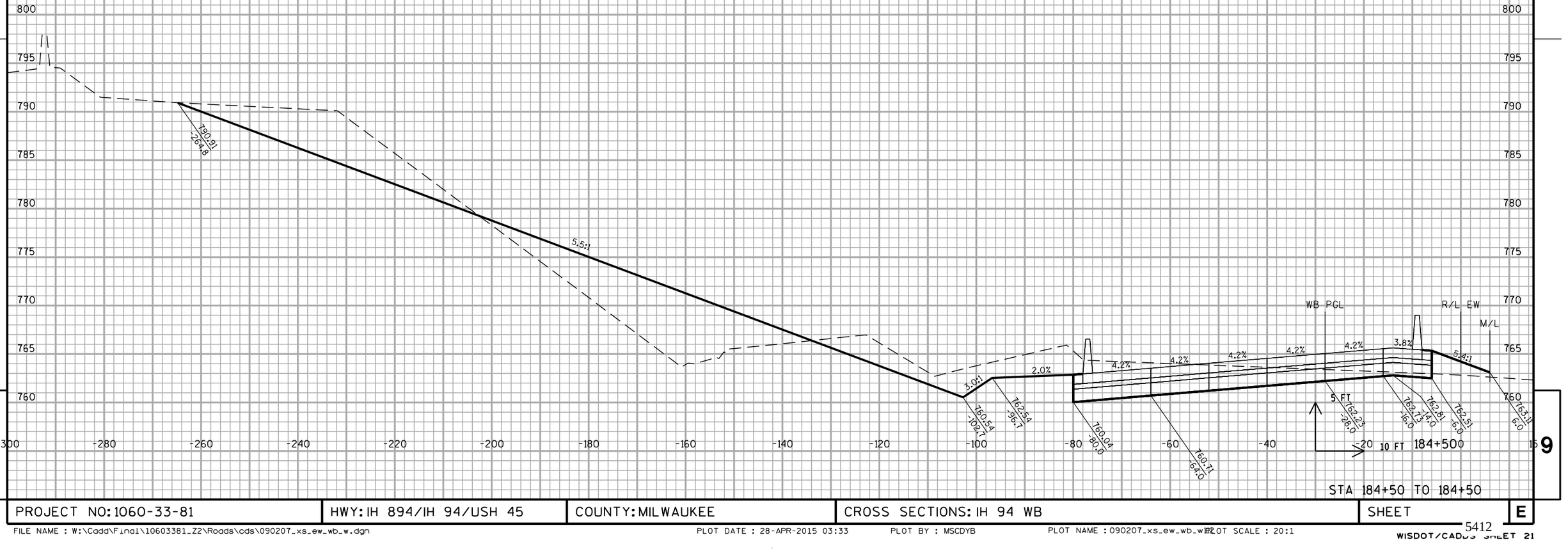


STA 184+00 TO 184+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w PLOT SCALE : 20:1

ALL WORK STAGE 6

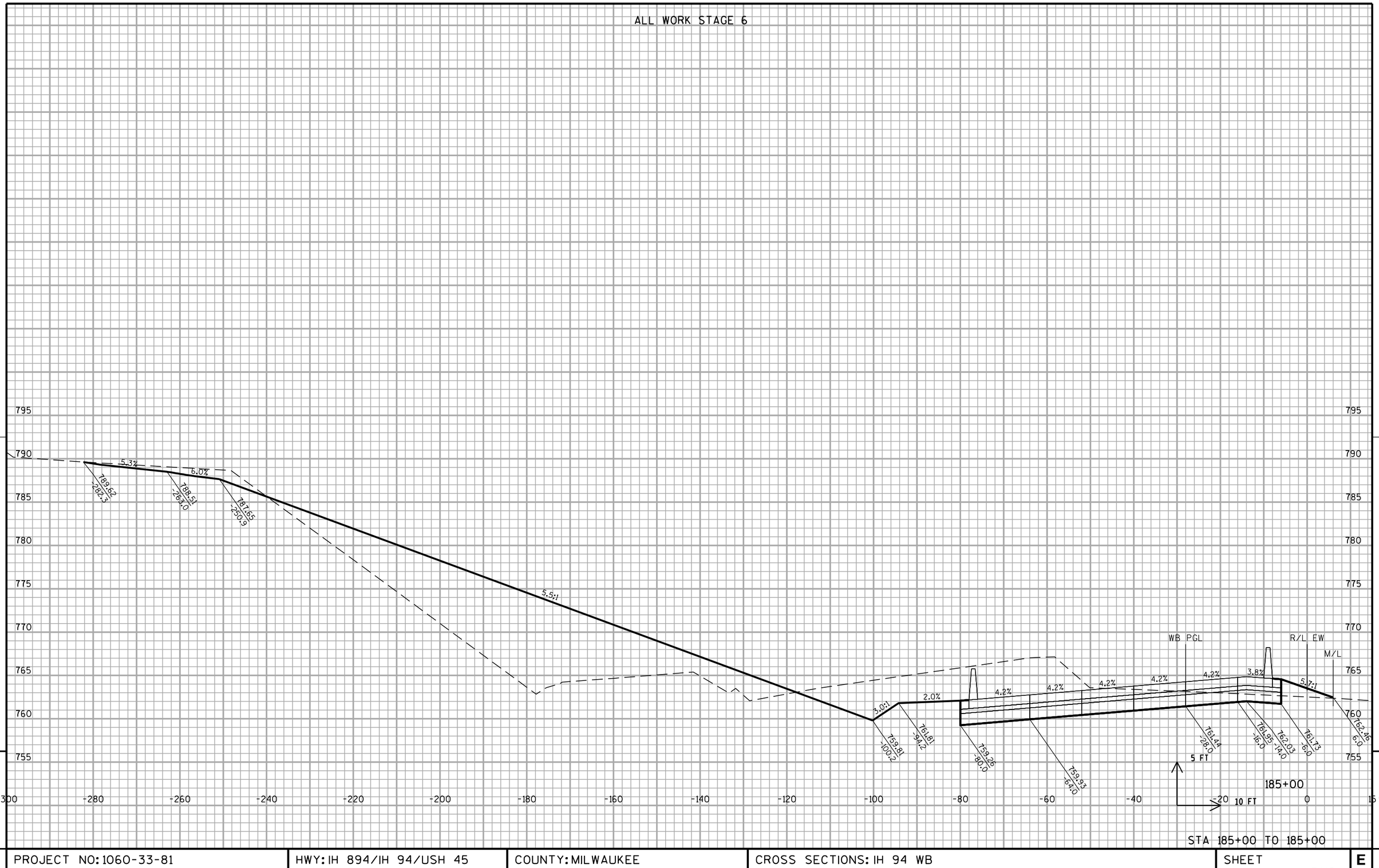


STA 184+50 TO 184+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090207_xs_ew_wb_w.PLT PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 185+00 TO 185+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 2

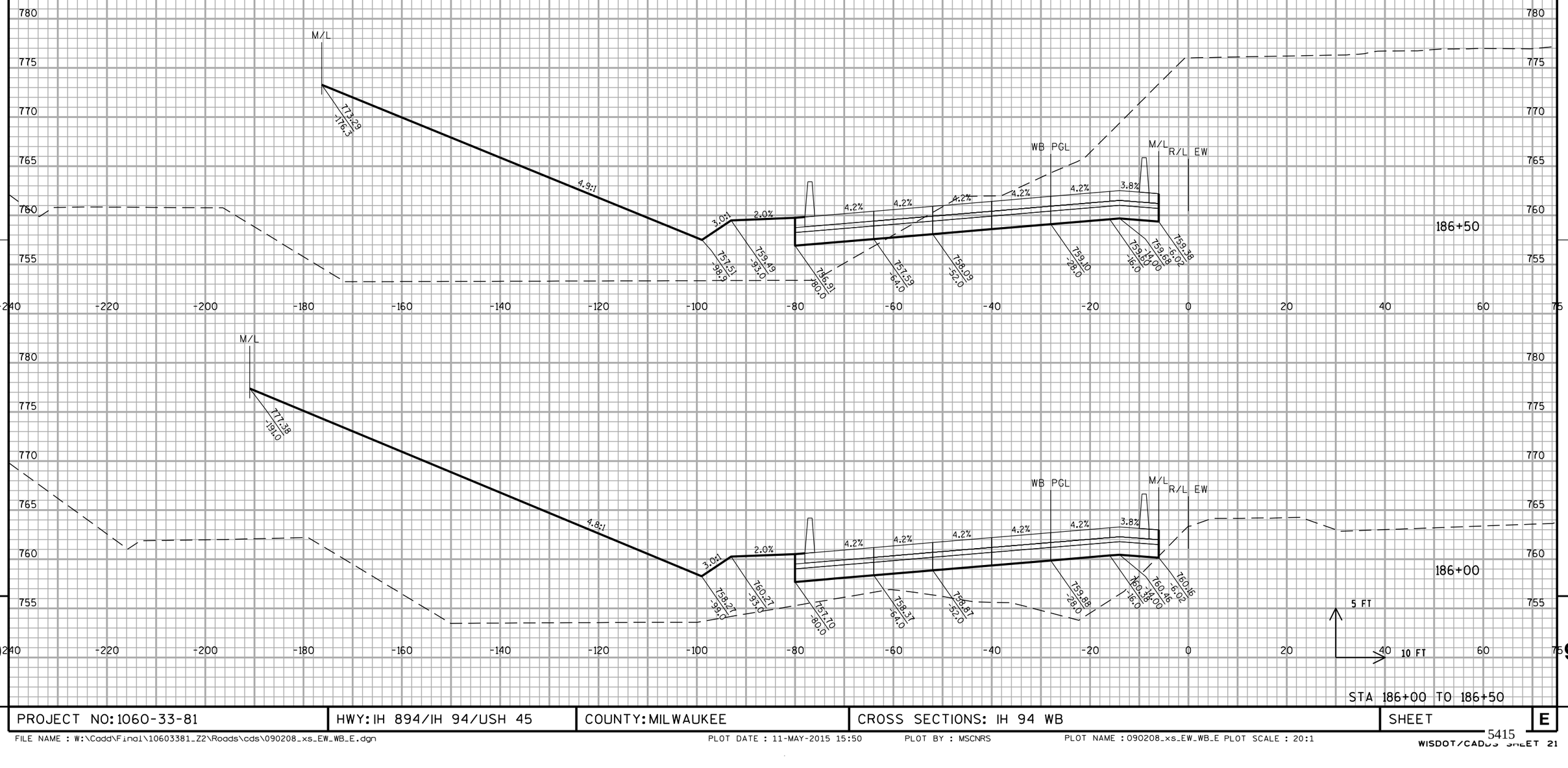


STA 185+50 TO 185+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090207_xs_ew_wb_w.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090207_xs_ew_wb_w
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

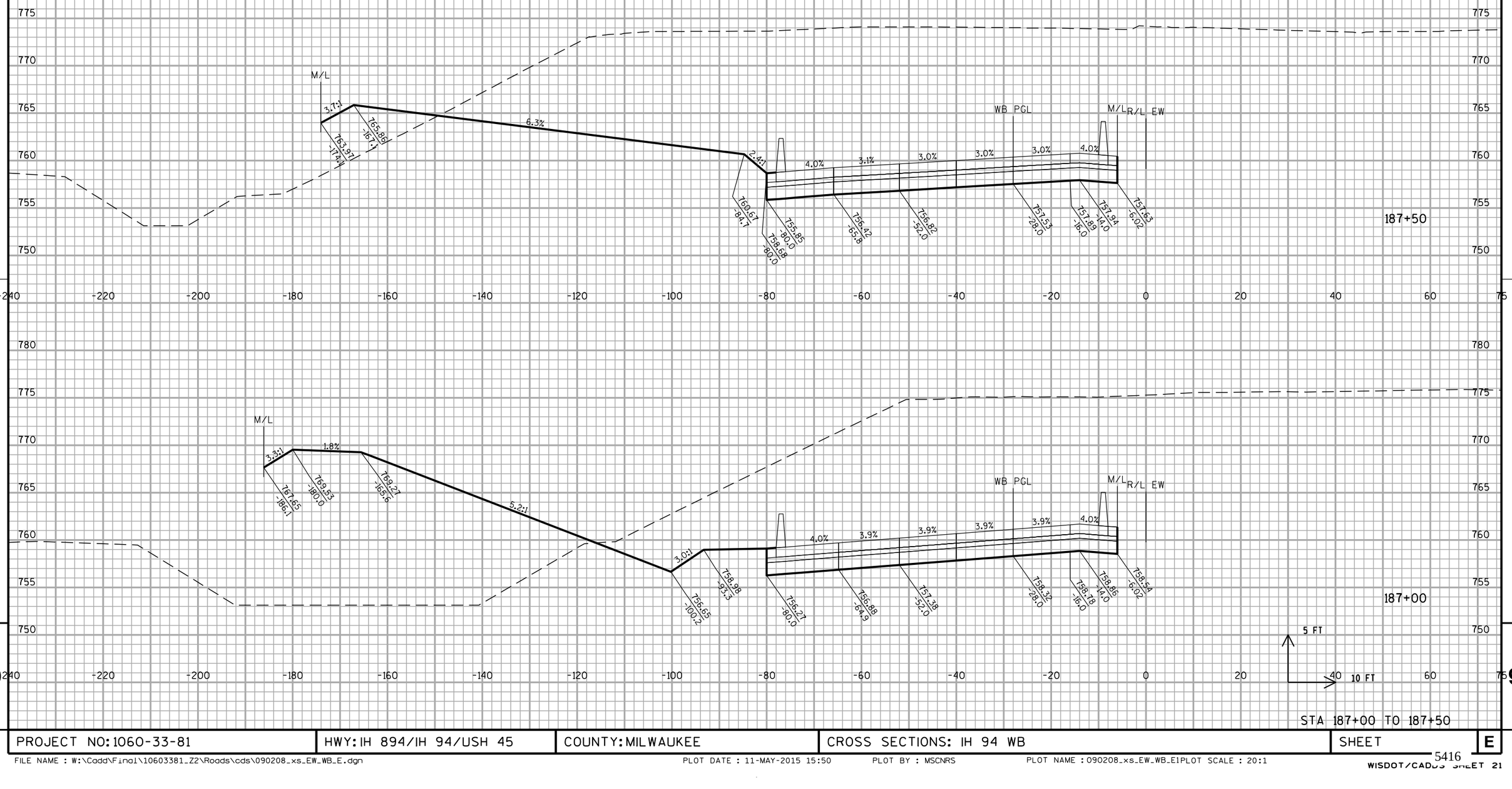


STA 186+00 TO 186+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_EW_WB_E.dgn PLOT DATE : 11-MAY-2015 15:50 PLOT BY : MSCNRS PLOT NAME : 090208_xs_EW_WB_E PLOT SCALE : 20:1

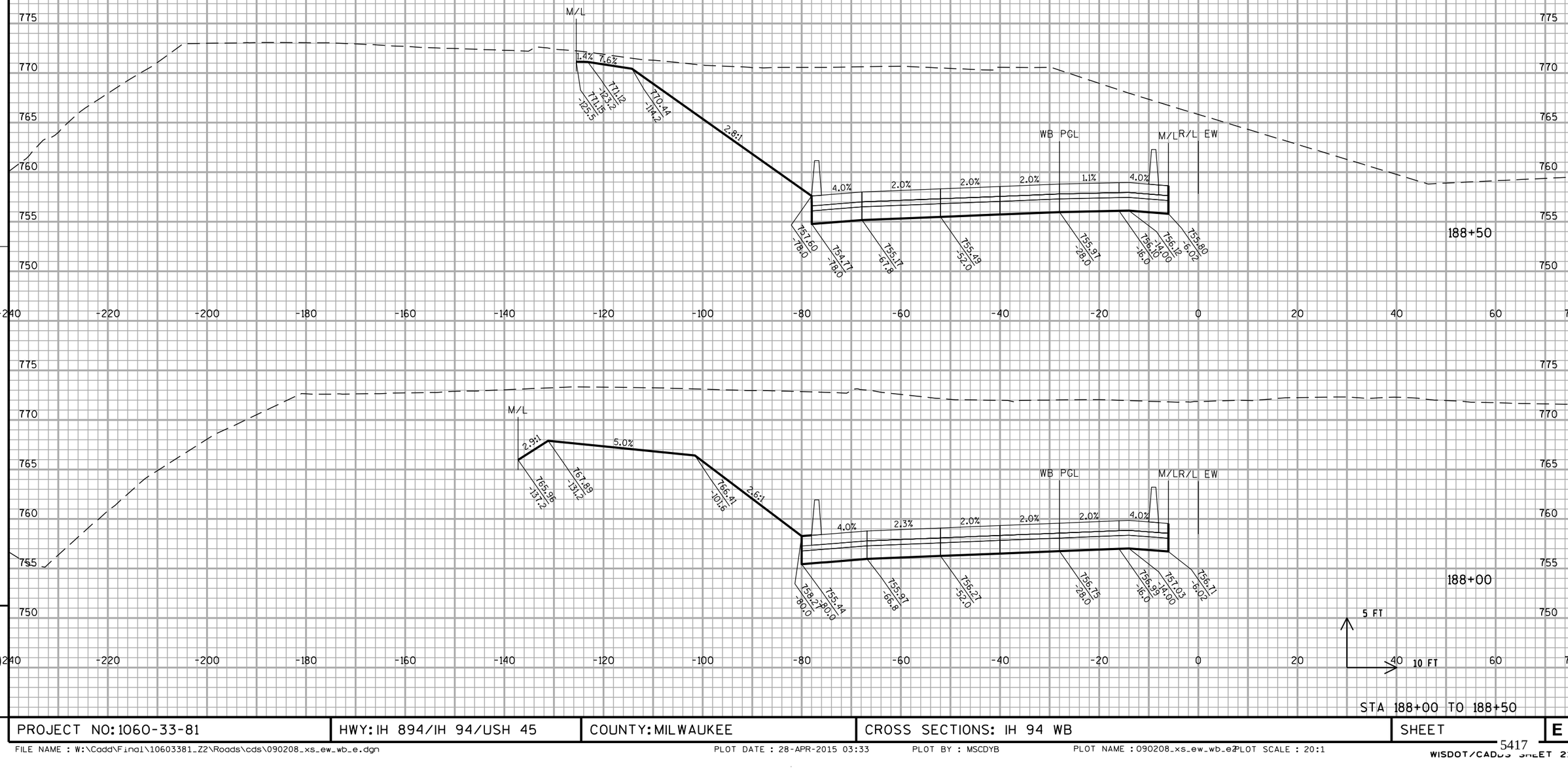
ALL WORK STAGE 2



STA 187+00 TO 187+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 2

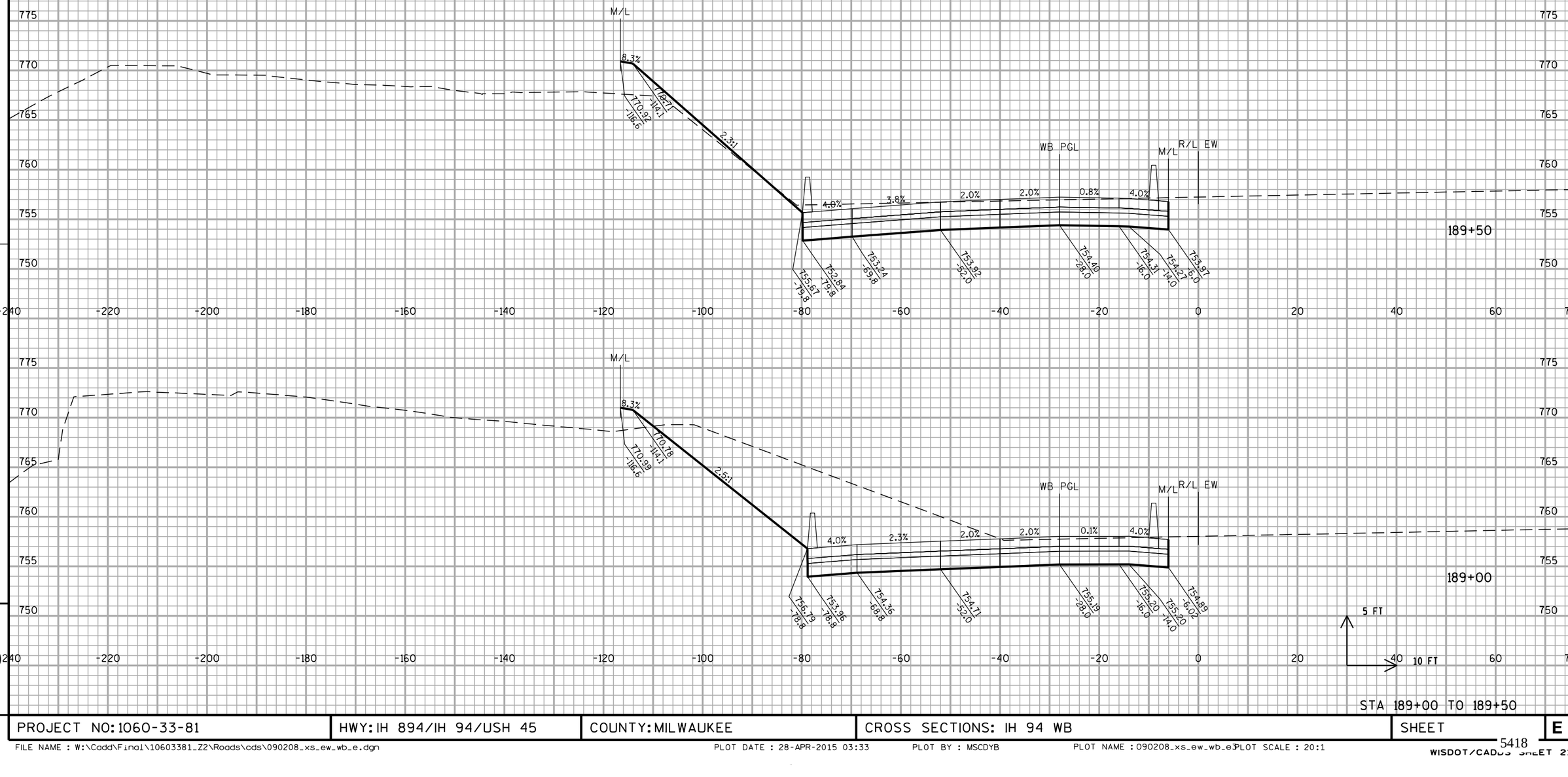


STA 188+00 TO 188+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e2 PLOT SCALE : 20:1

ALL WORK STAGE 2



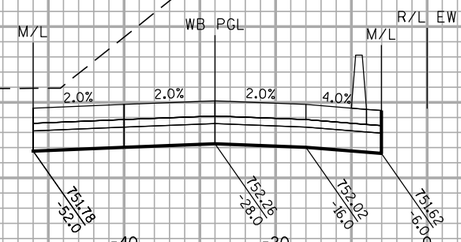
9 9

STA 189+00 TO 189+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e3 PLOT SCALE : 20:1

ALL WORK STAGE 2



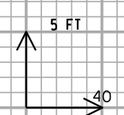
191+00



190+50



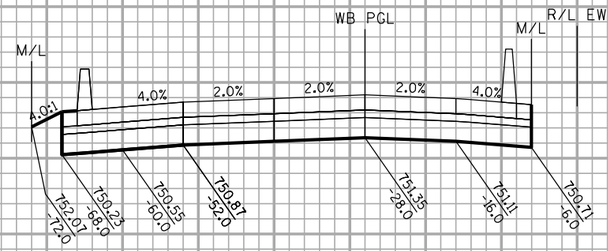
190+00



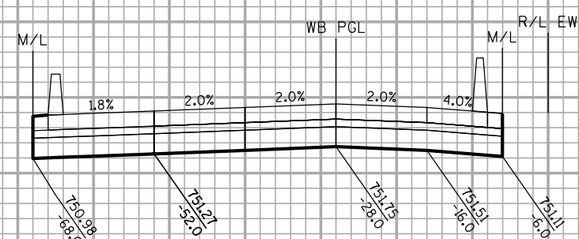
STA 190+00 TO 191+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 2



192+00



191+50

5 FT
10 FT

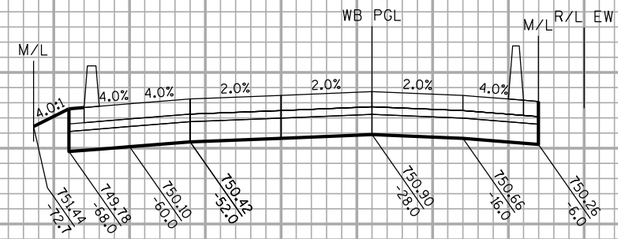
STA 191+50 TO 192+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

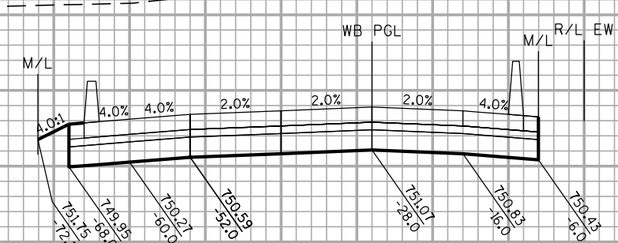
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



193+00



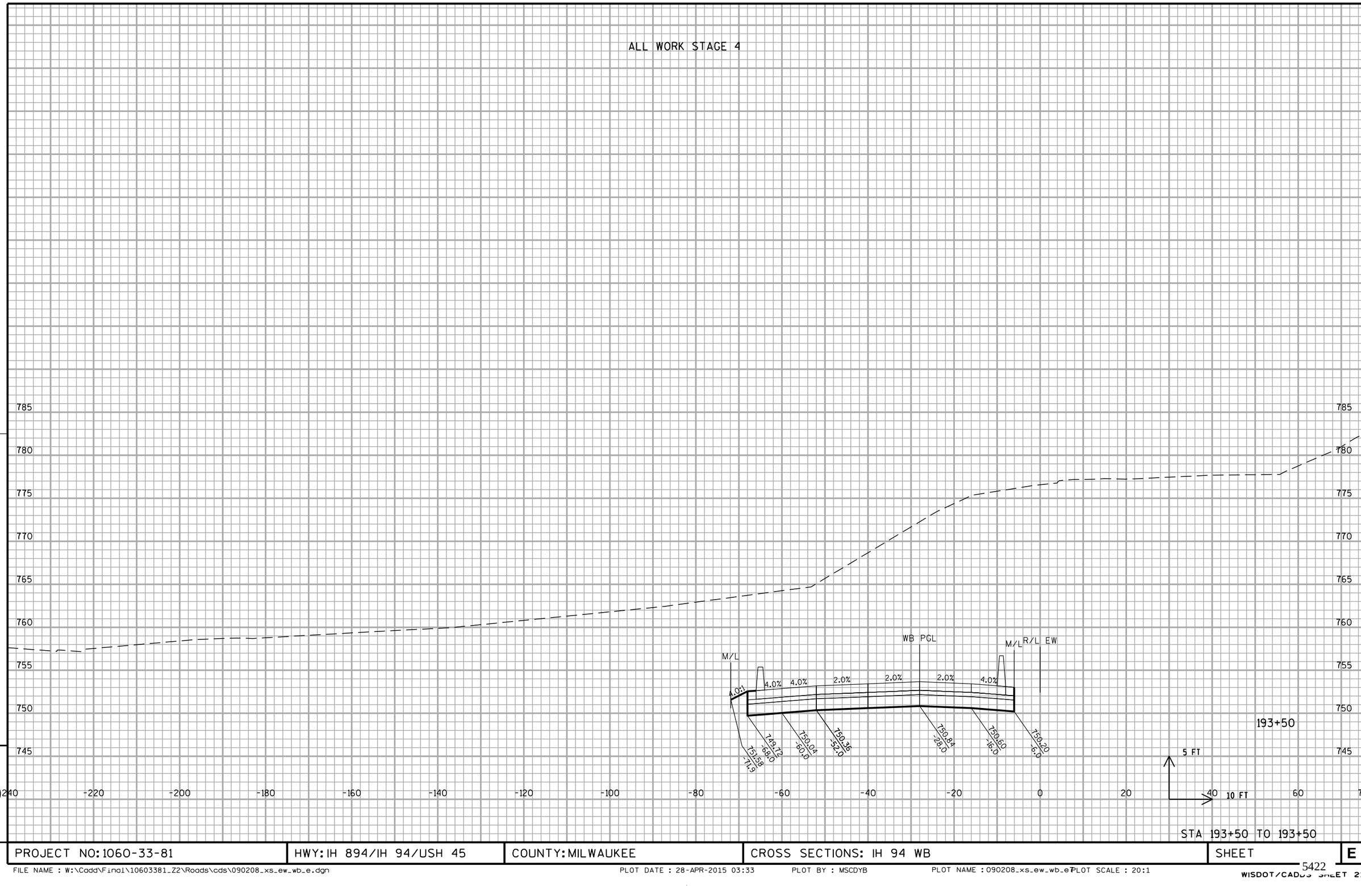
192+50

5 FT
10 FT

STA 192+50 TO 193+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

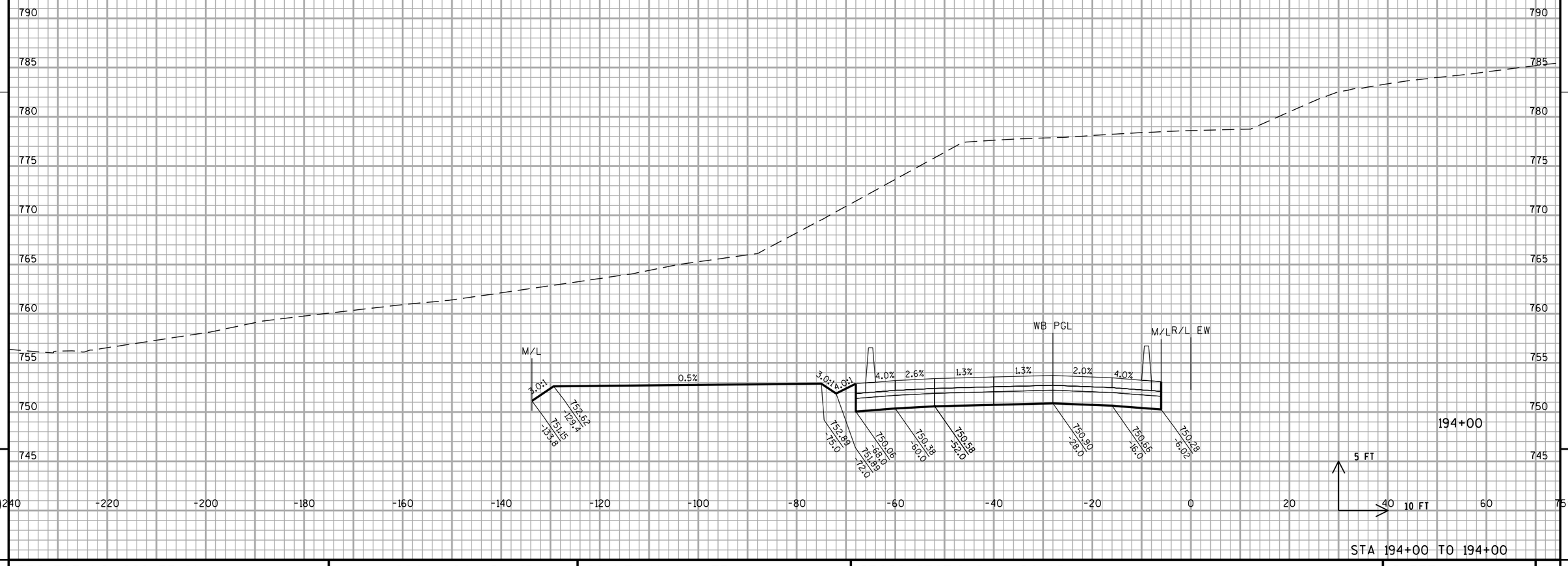
ALL WORK STAGE 4



STA 193+50 TO 193+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 4



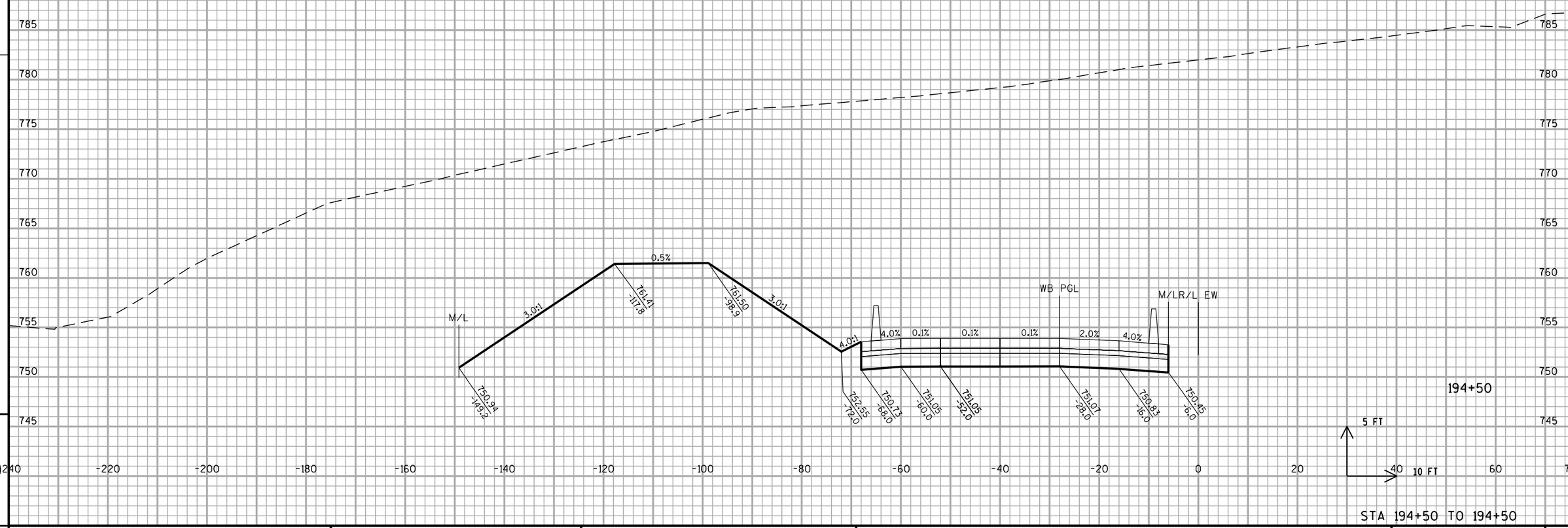
STA 194+00 TO 194+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

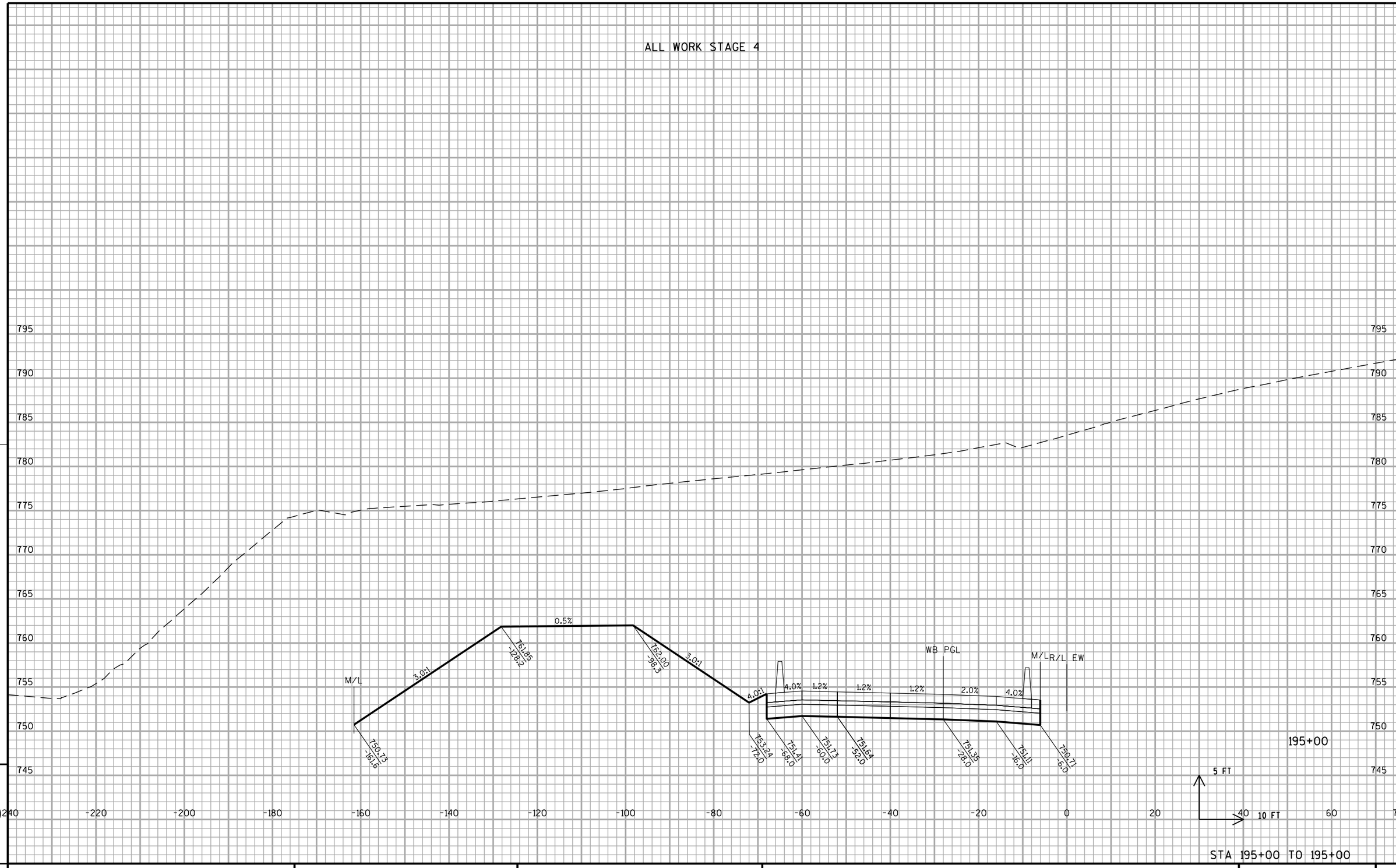


STA 194+50 TO 194+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e PLOT SCALE : 20:1

ALL WORK STAGE 4



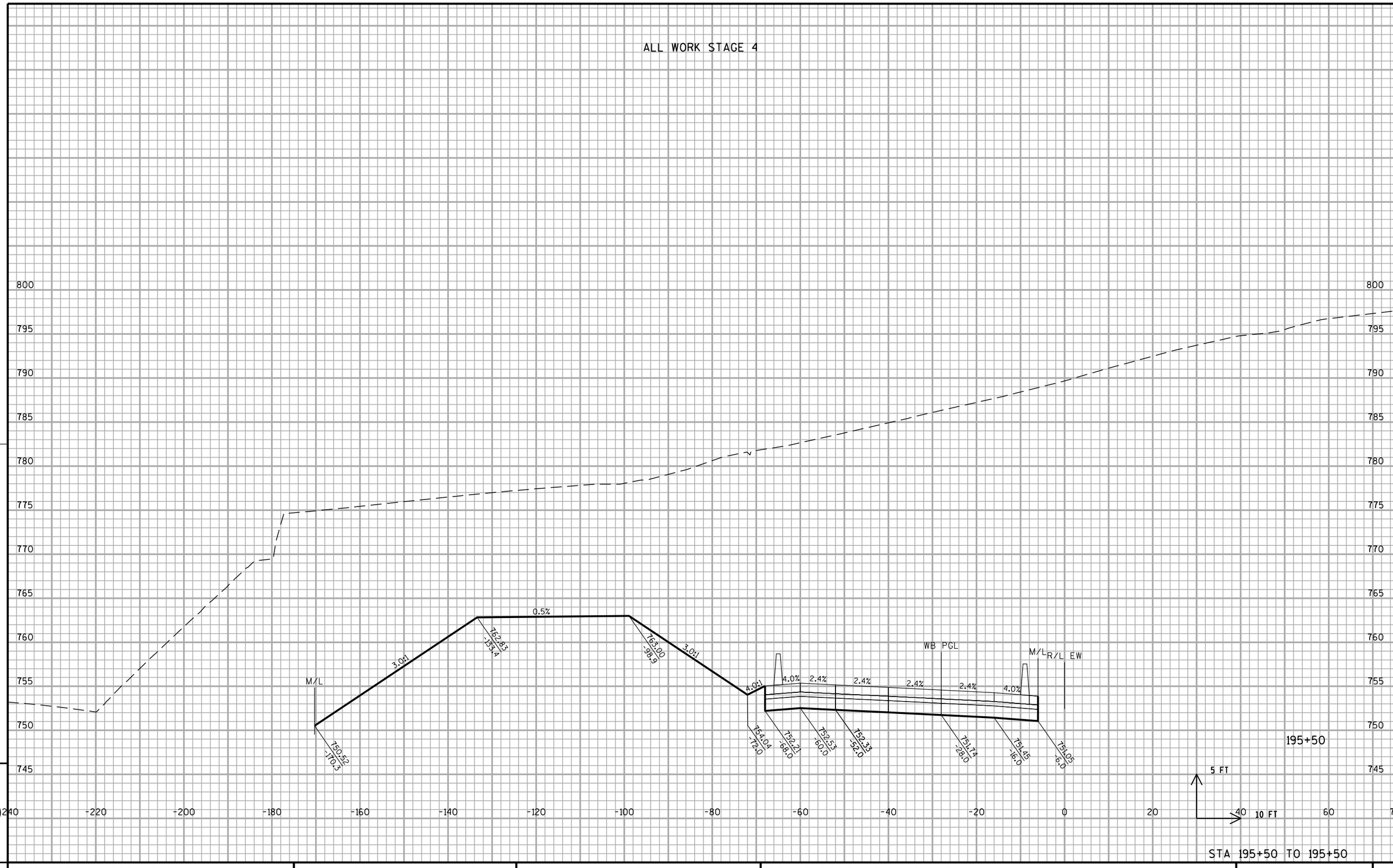
STA 195+00 TO 195+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

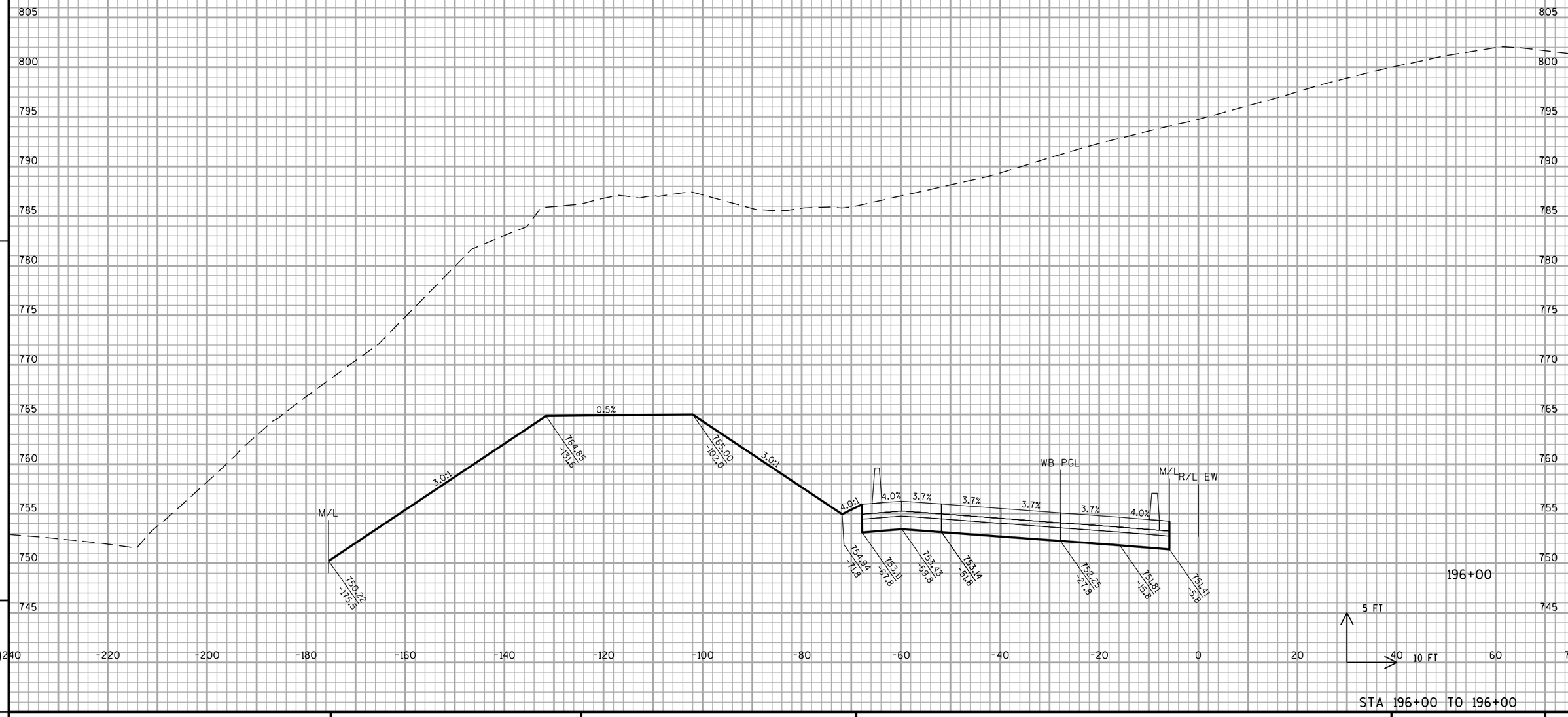


STA 195+50 TO 195+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e PLOT SCALE : 20:1

ALL WORK STAGE 4



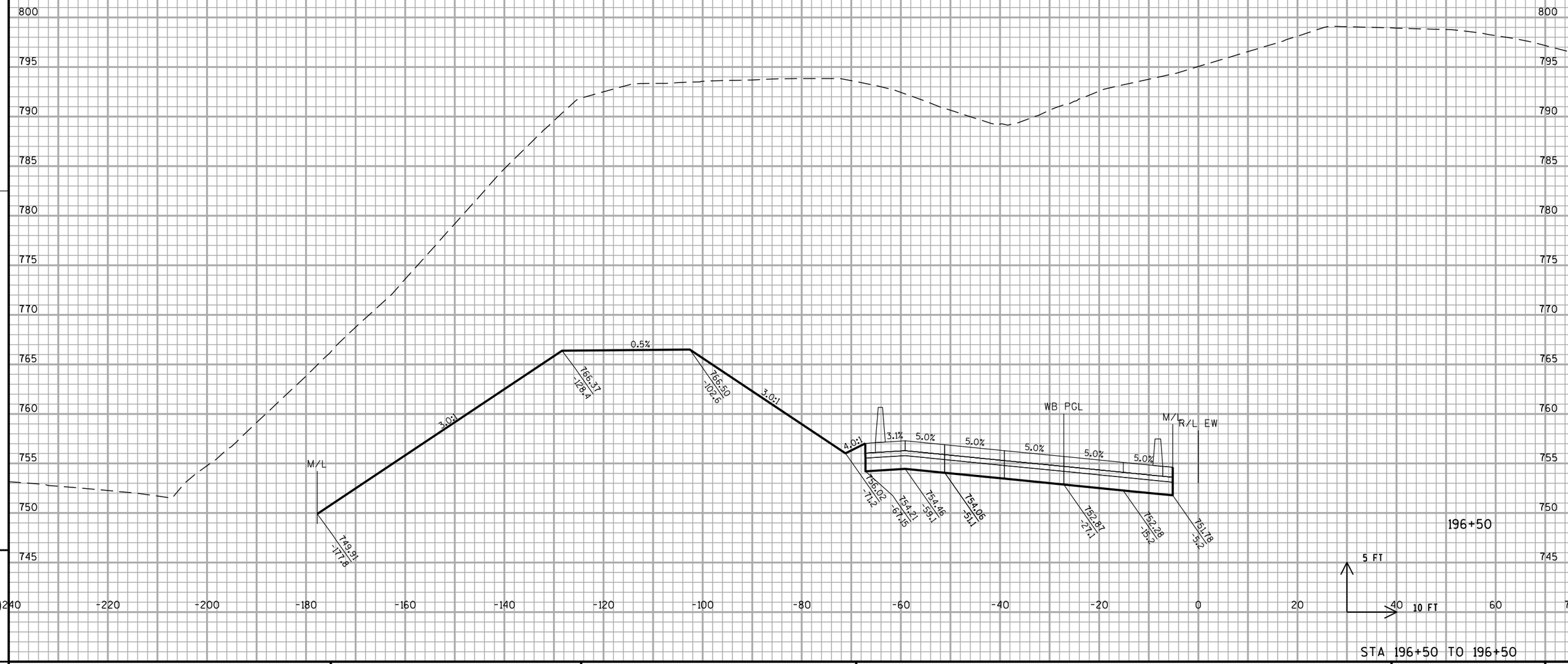
9 9

STA 196+00 TO 196+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e12 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

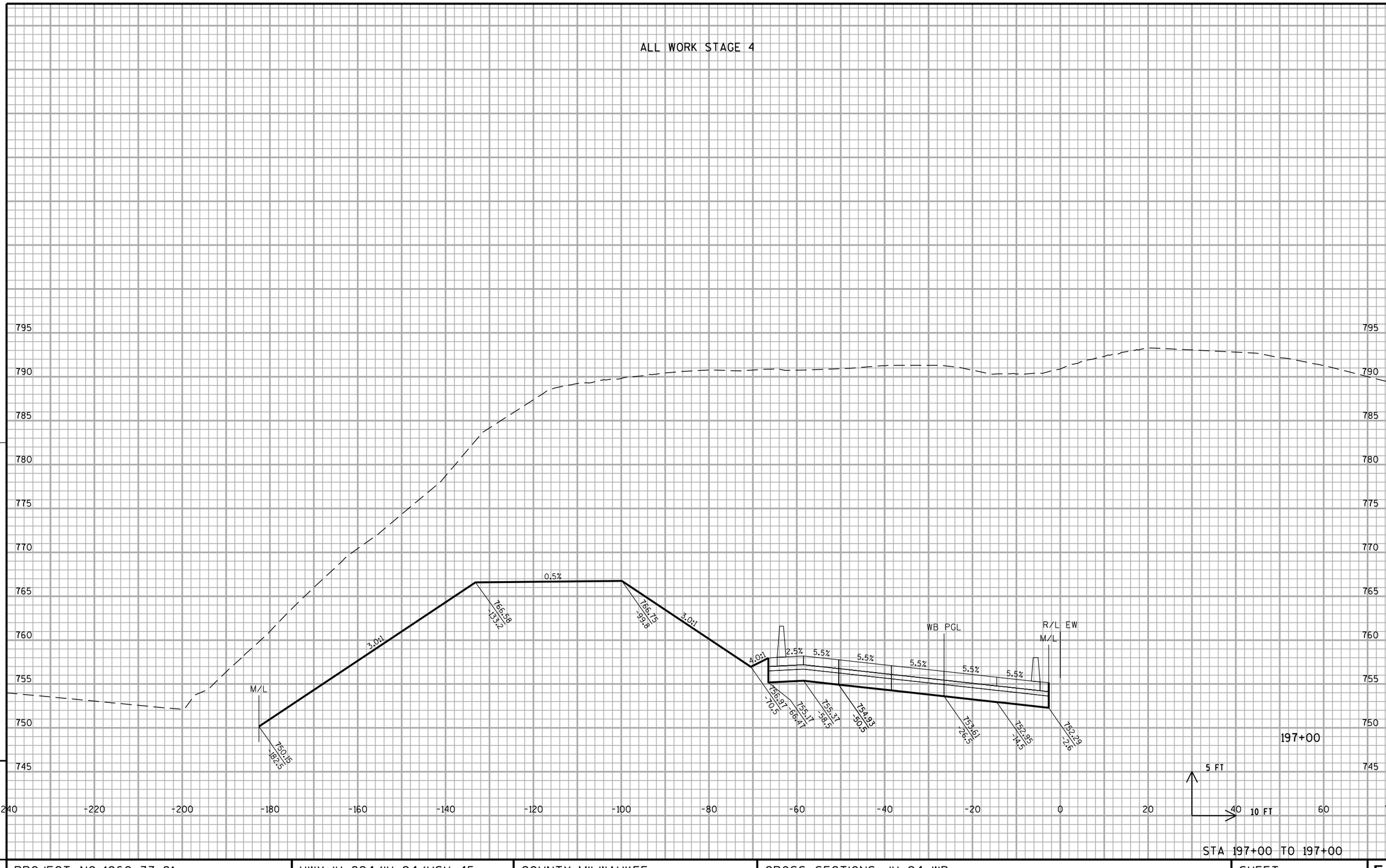
ALL WORK STAGE 4



STA 196+50 TO 196+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 4

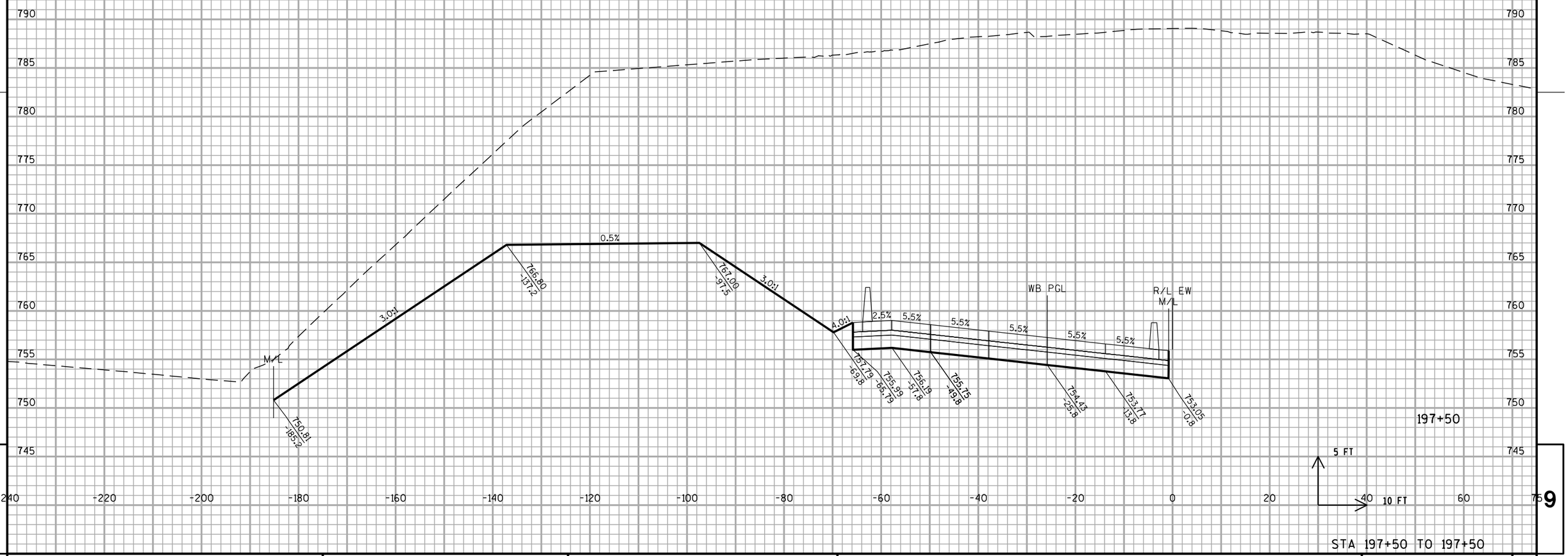


STA 197+00 TO 197+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e PLOT SCALE : 20:1

ALL WORK STAGE 4

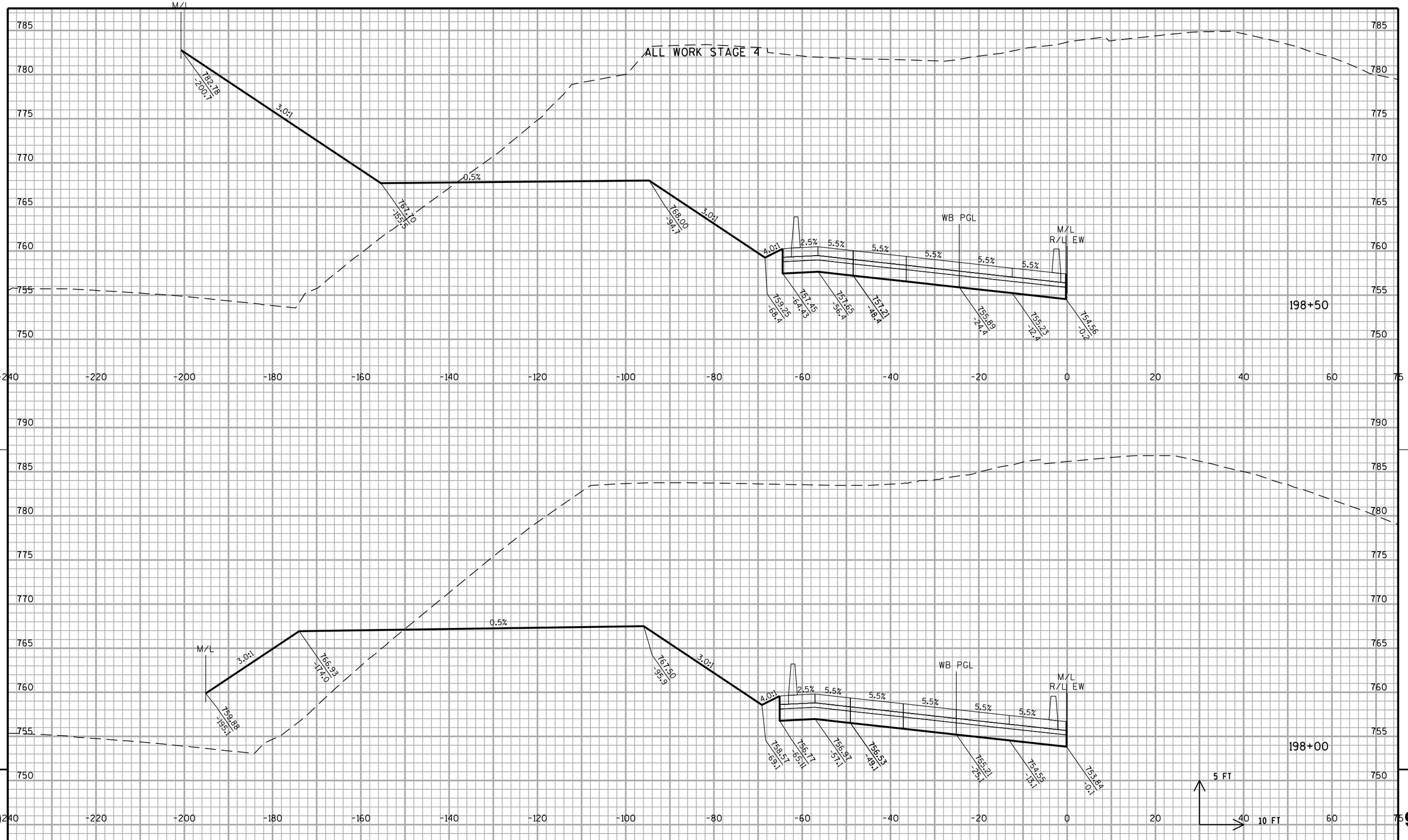


STA 197+50 TO 197+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e.pl PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

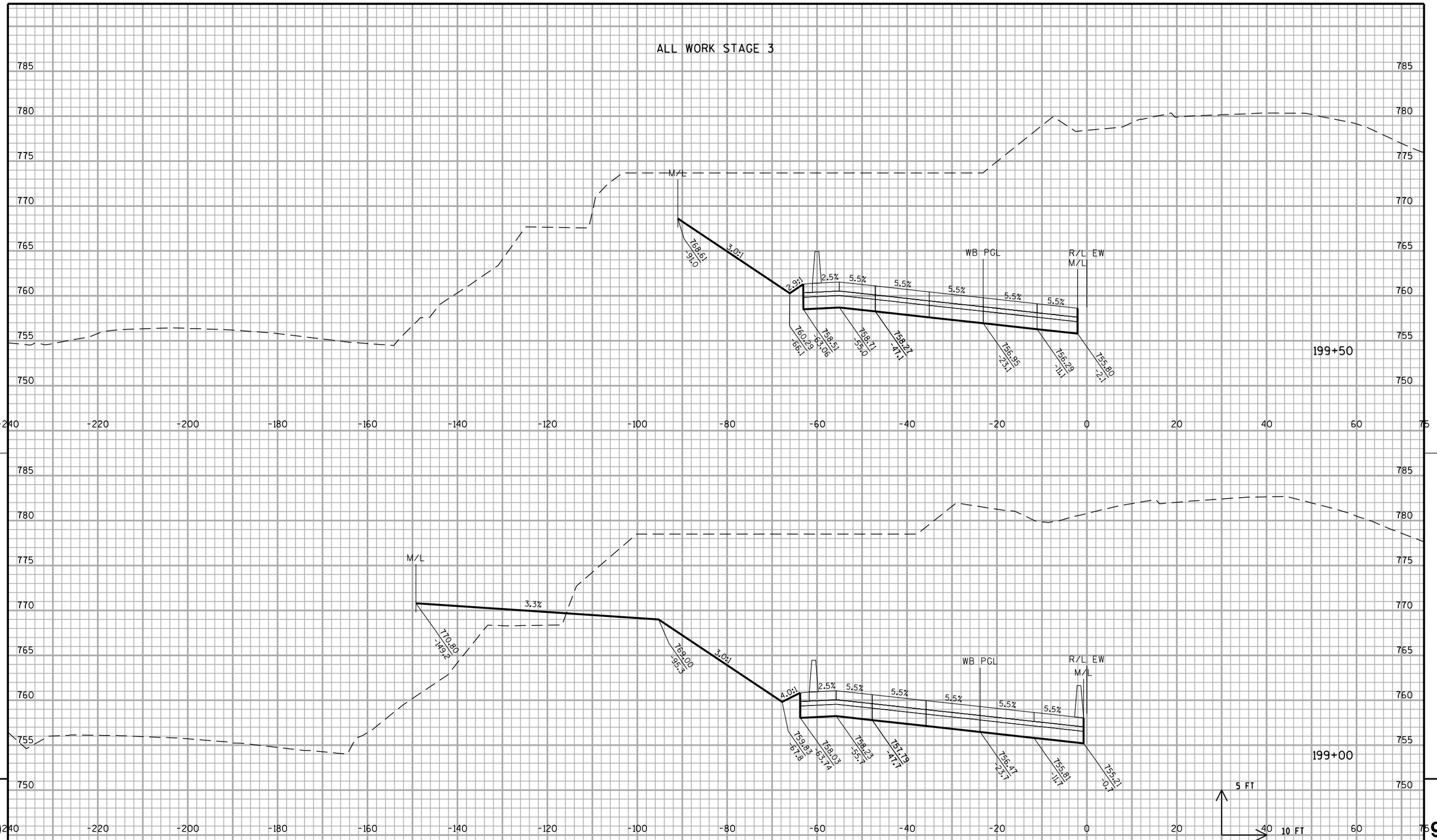


STA 198+00 TO 198+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn
PLOT DATE : 28-APR-2015 03:33
PLOT BY : MSCDYB
PLOT NAME : 090208_xs_ew_wb_e
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

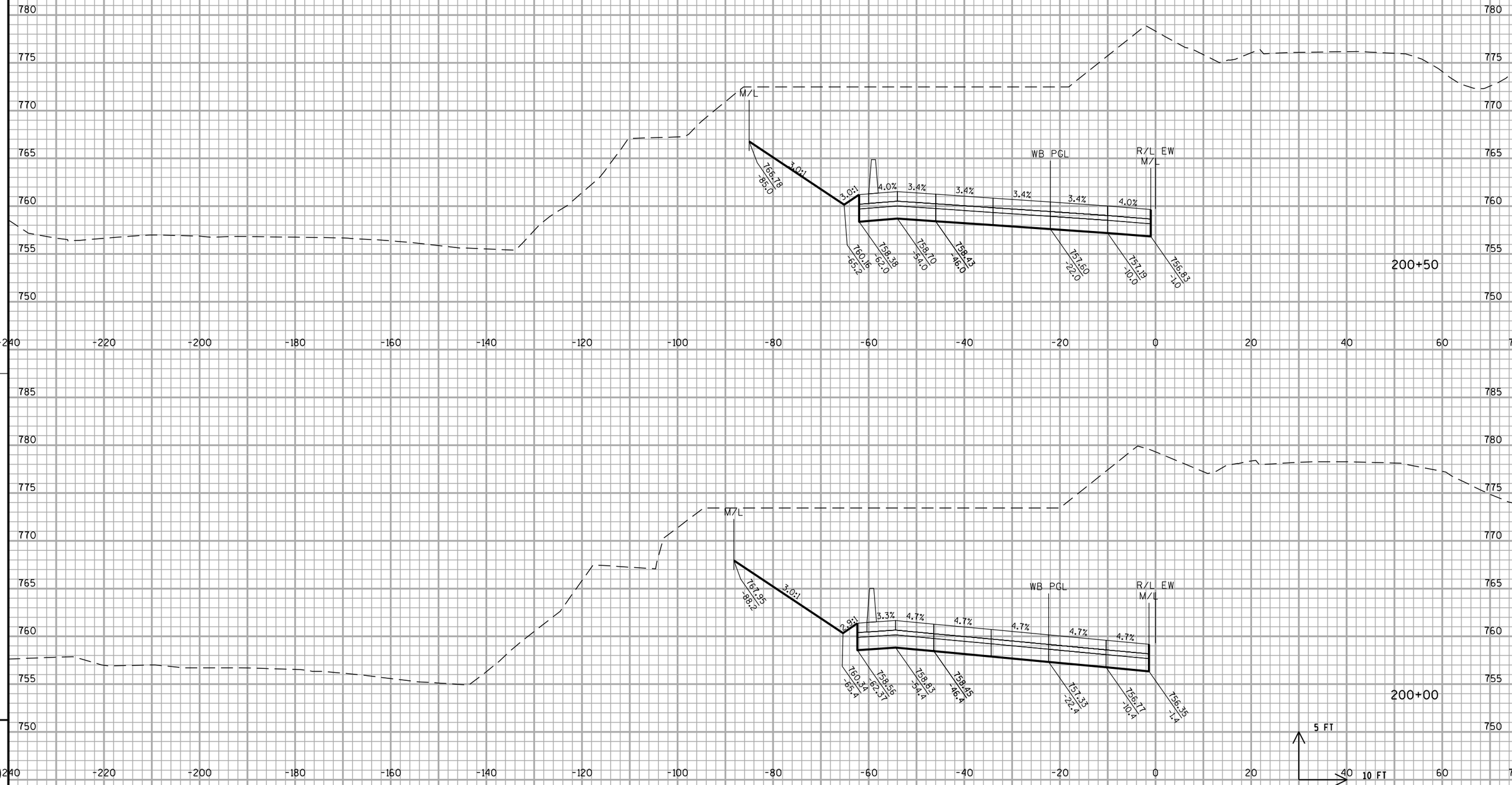


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

STA 199+00 TO 199+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e.dgn PLOT SCALE : 20:1

ALL WORK STAGE 3

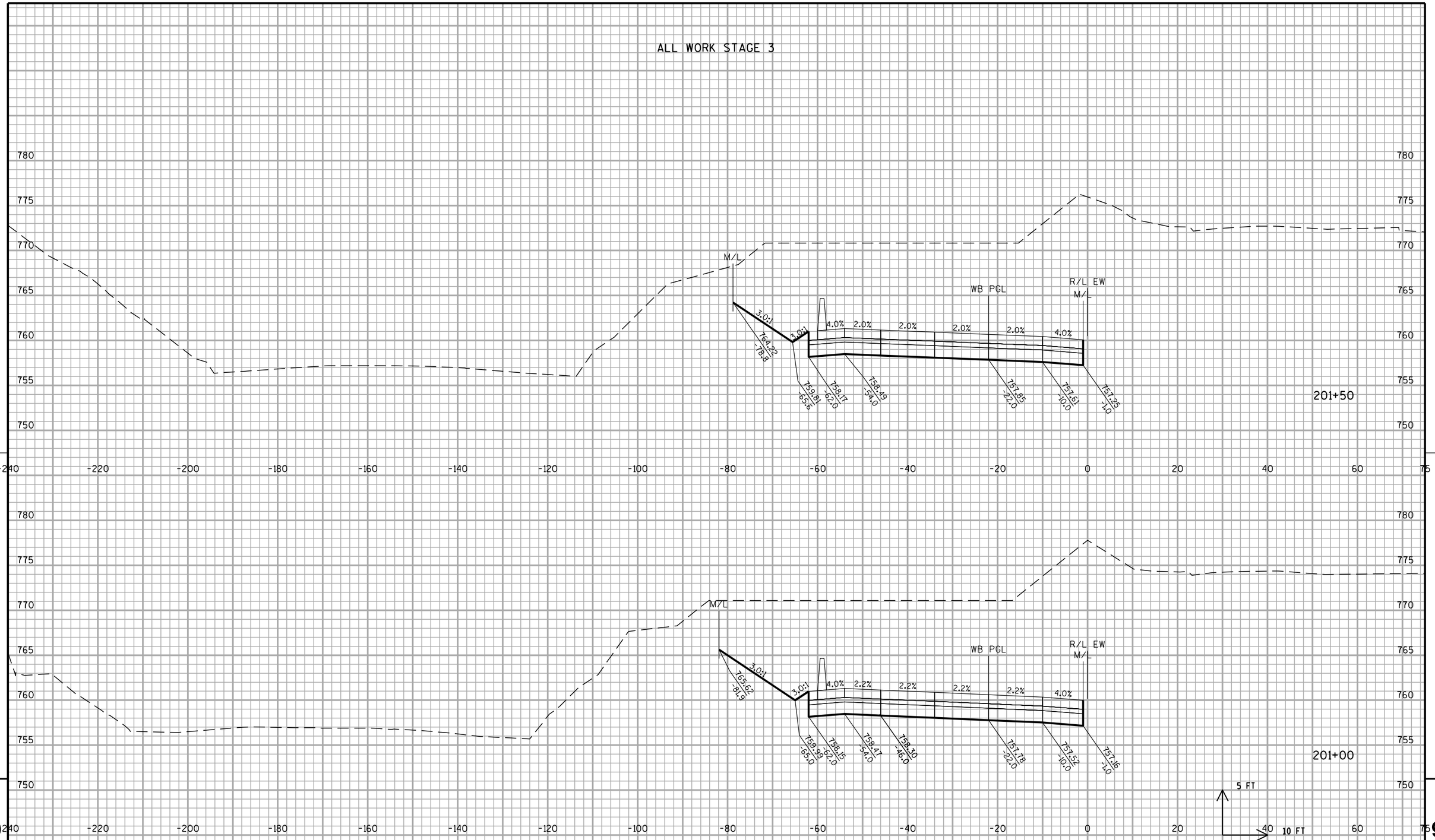


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

STA 200+00 TO 200+50

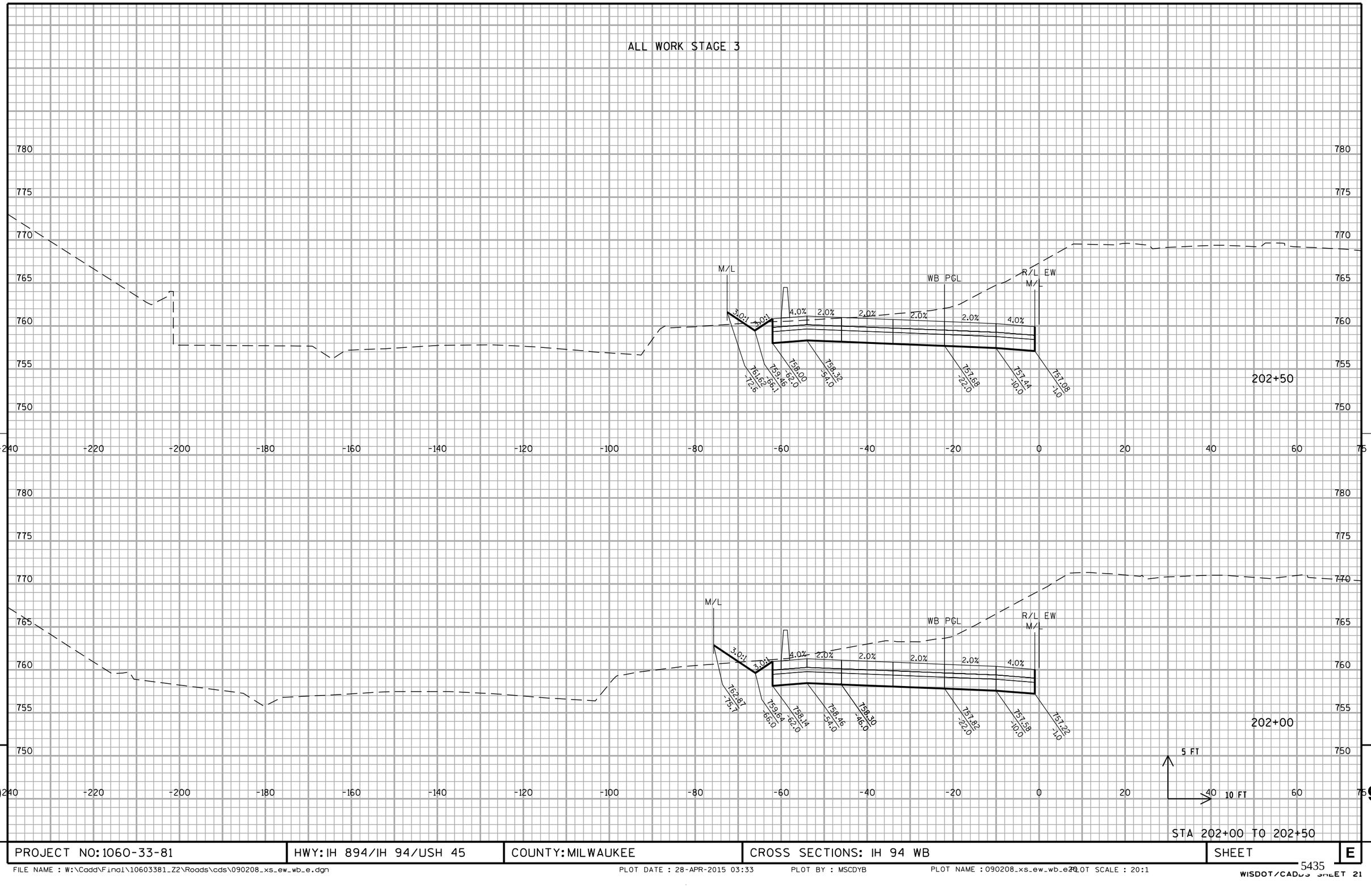
ALL WORK STAGE 3



STA 201+00 TO 201+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

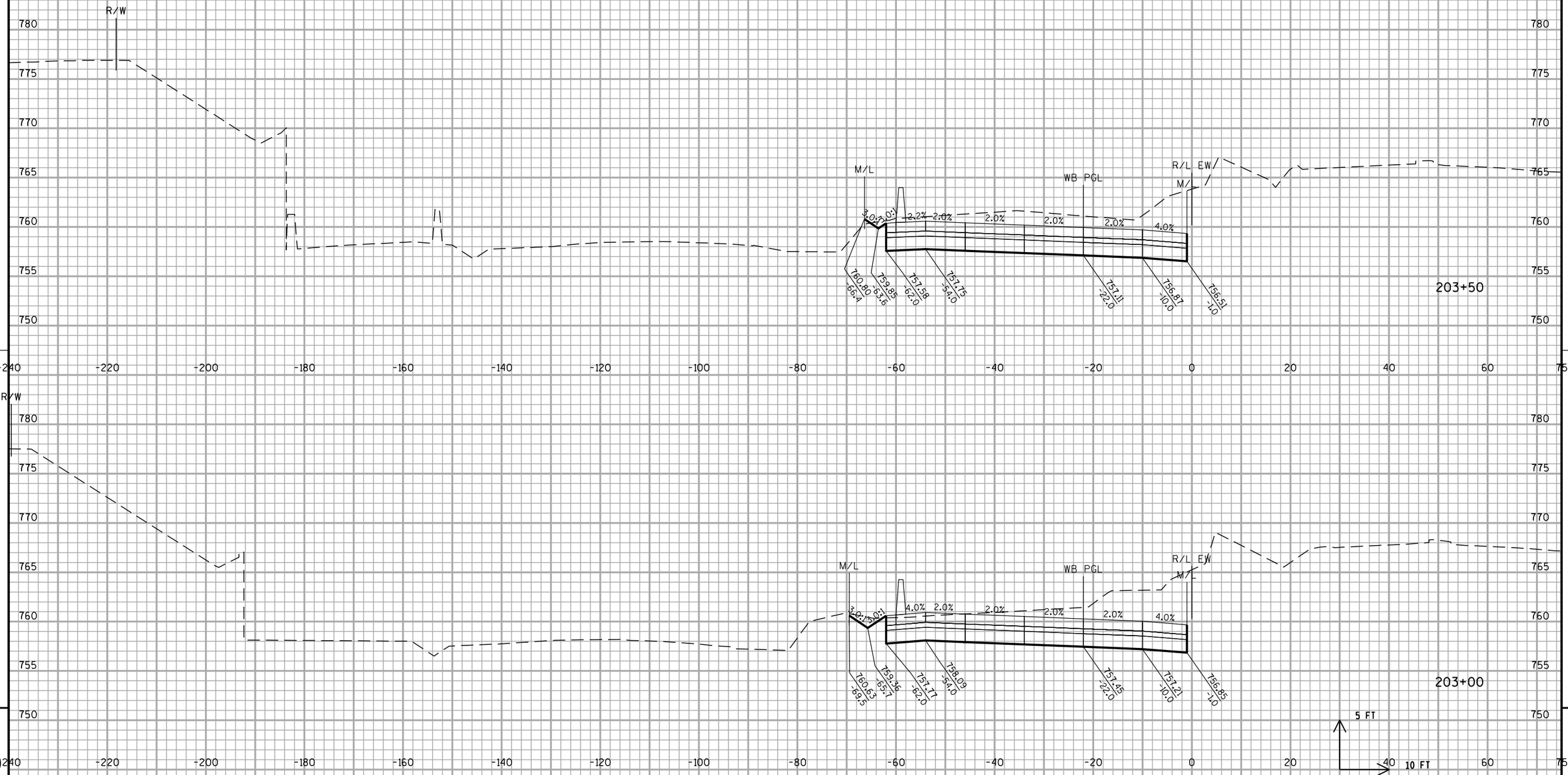
ALL WORK STAGE 3



STA 202+00 TO 202+50

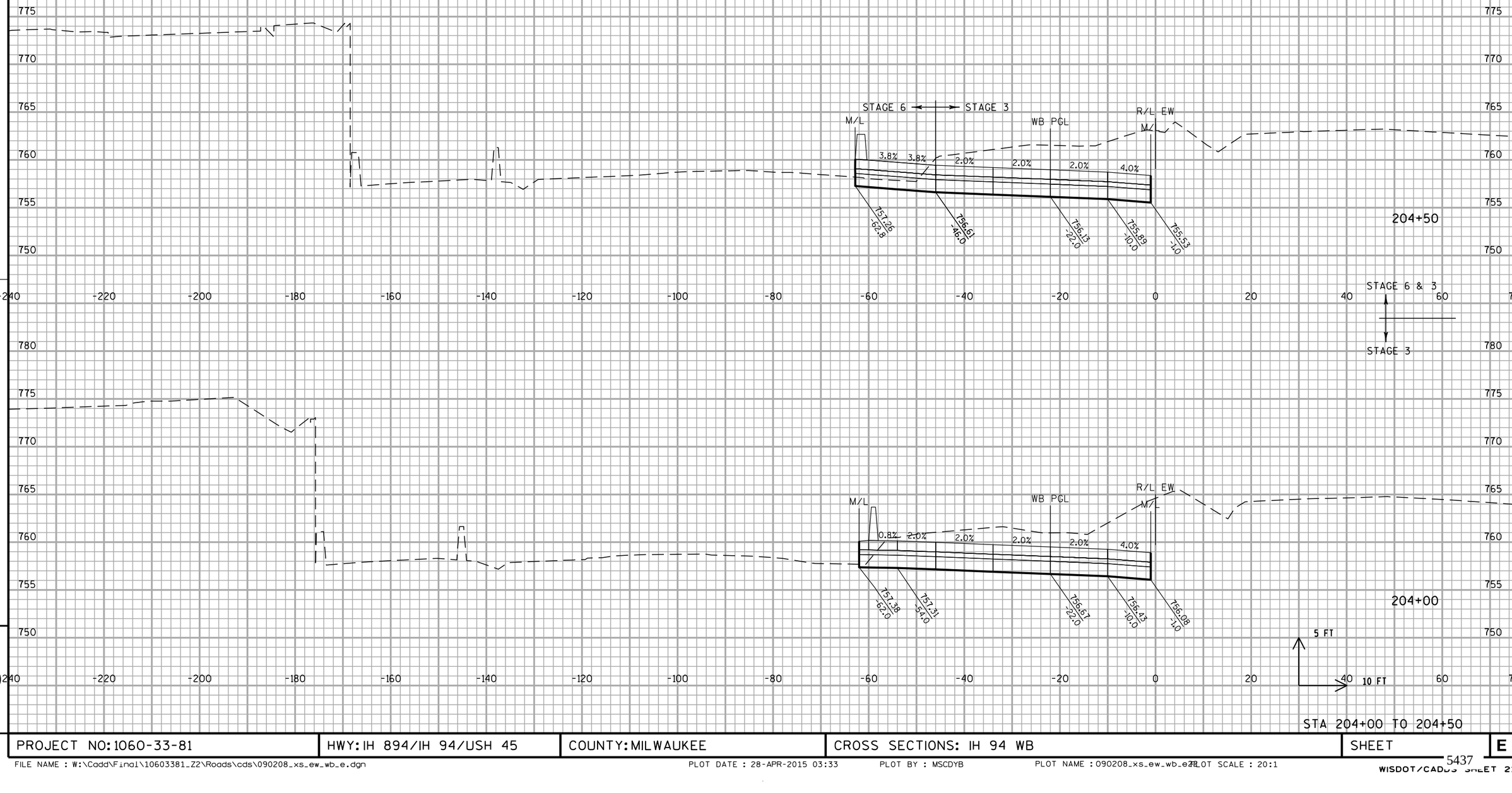
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 3



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e2 PLOT SCALE : 20:1

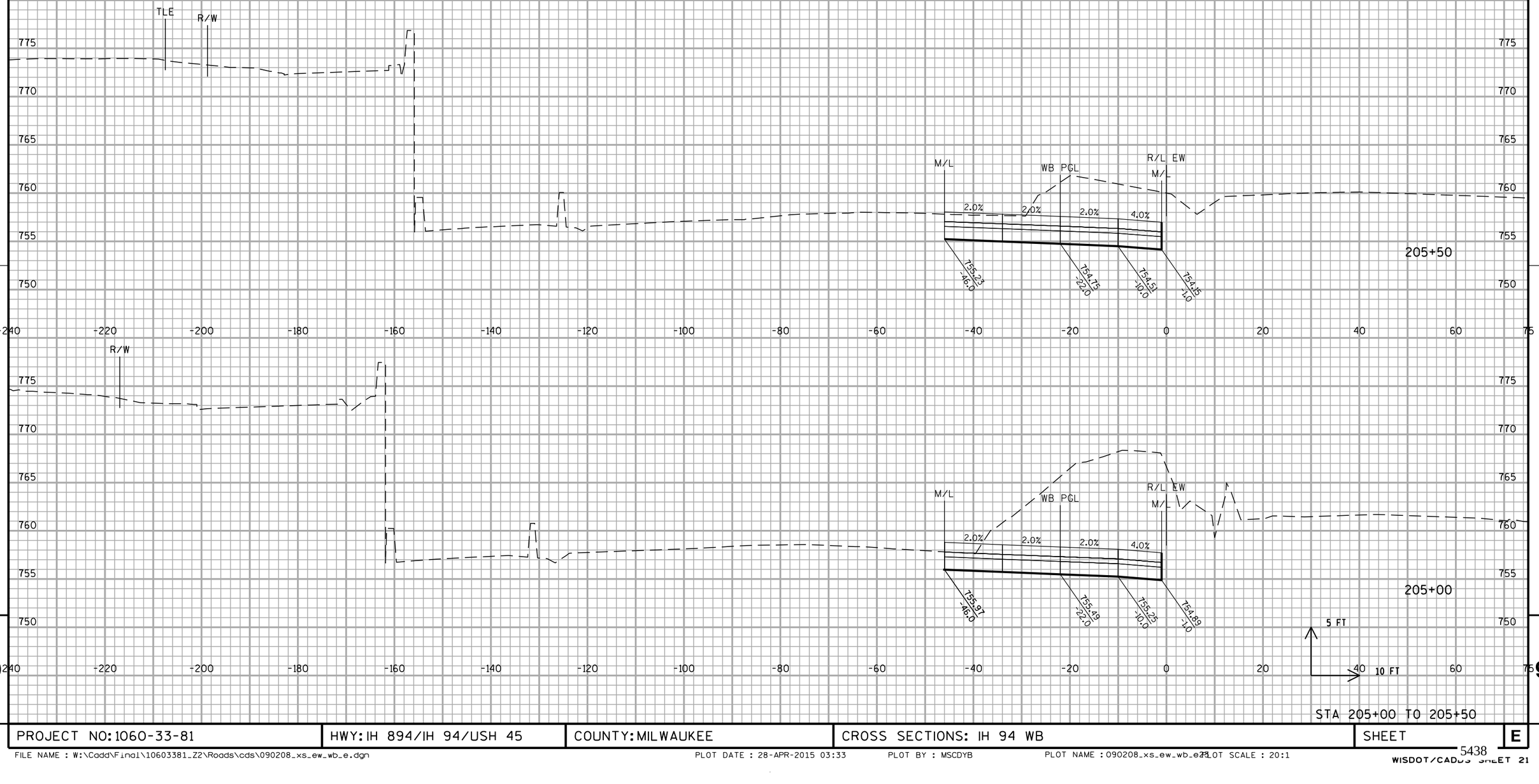


STA 204+00 TO 204+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e2 PLOT SCALE : 20:1

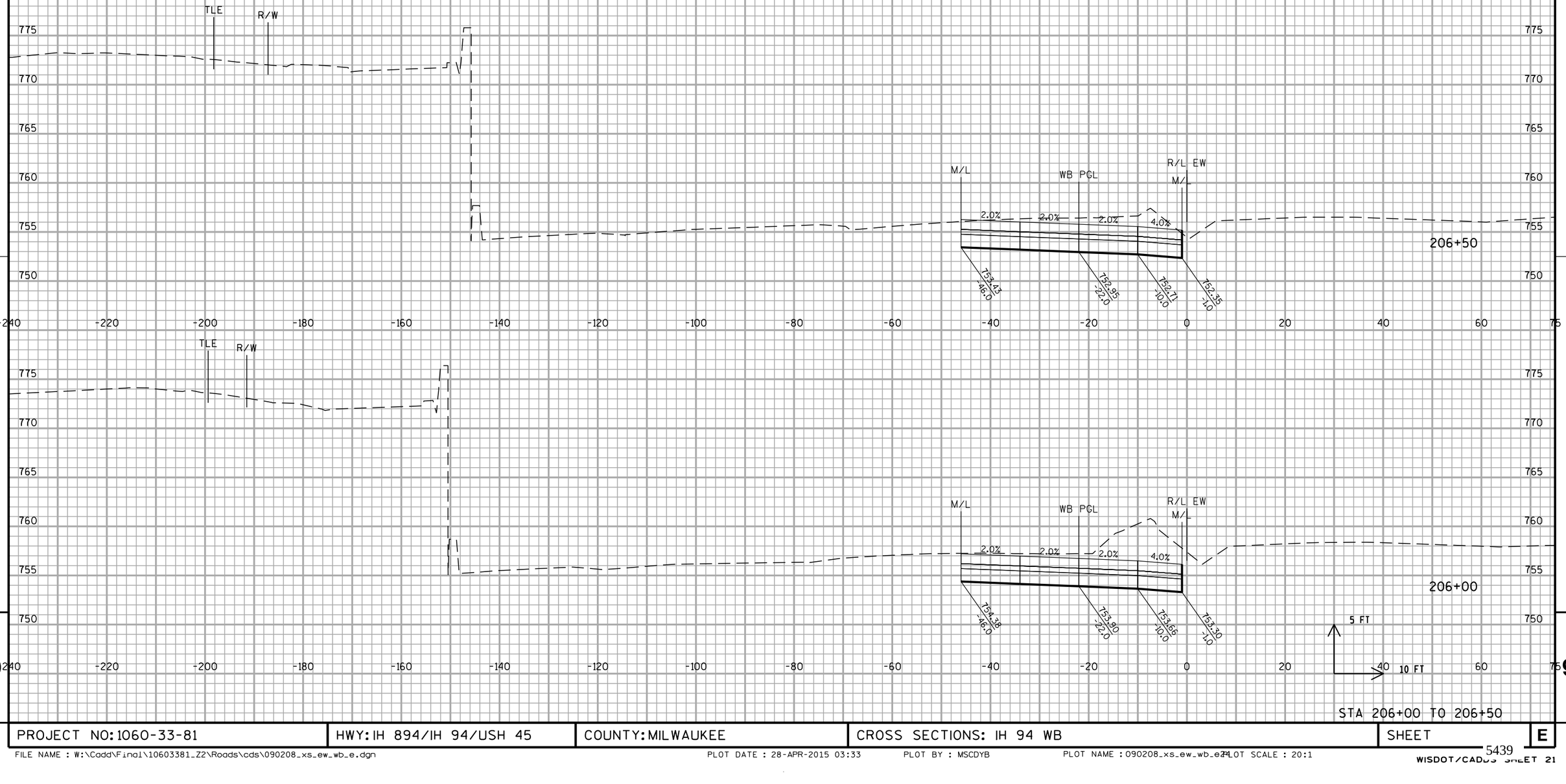
ALL WORK STAGE 3



STA 205+00 TO 205+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

ALL WORK STAGE 3



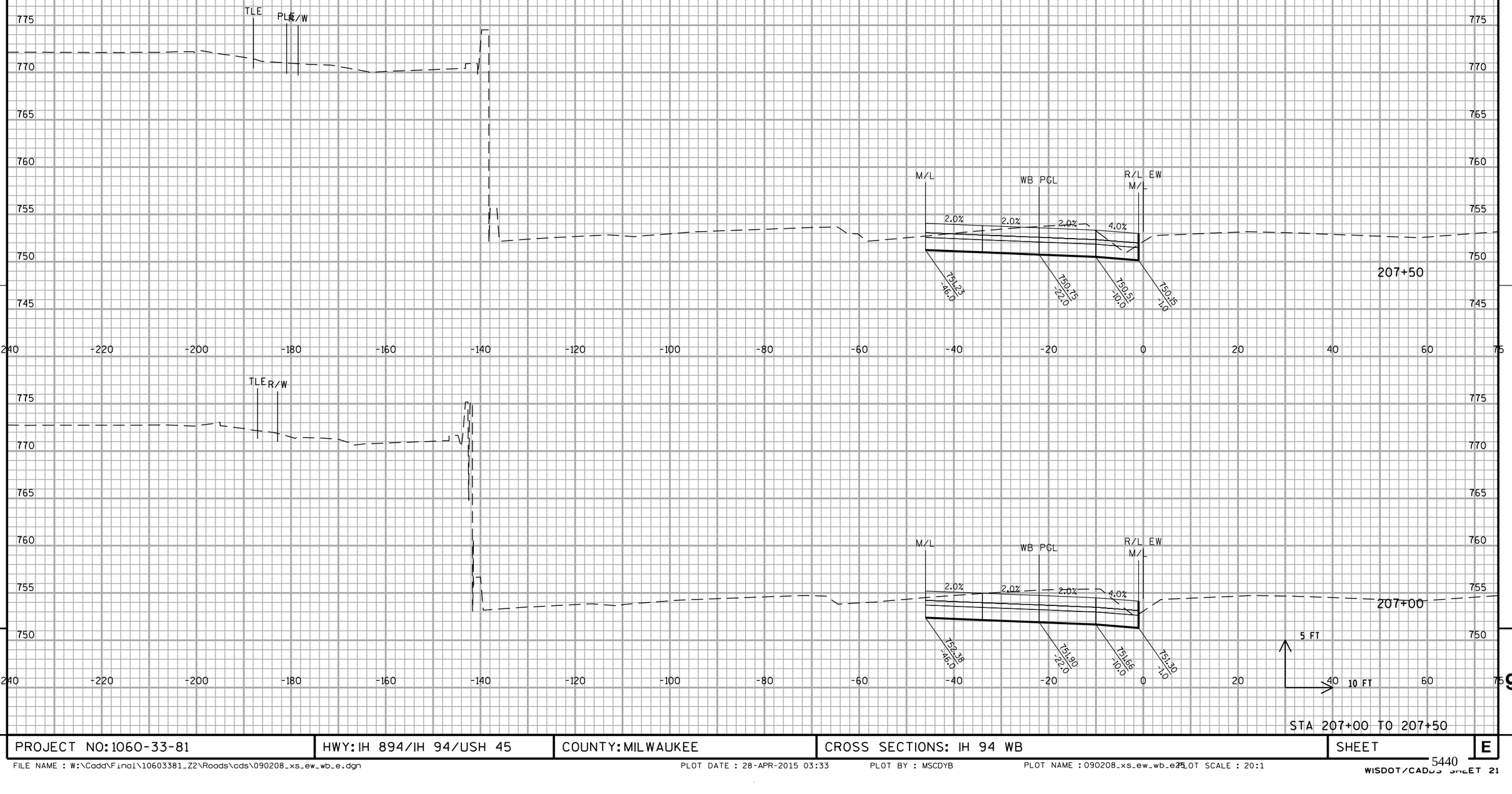
STA 206+00 TO 206+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

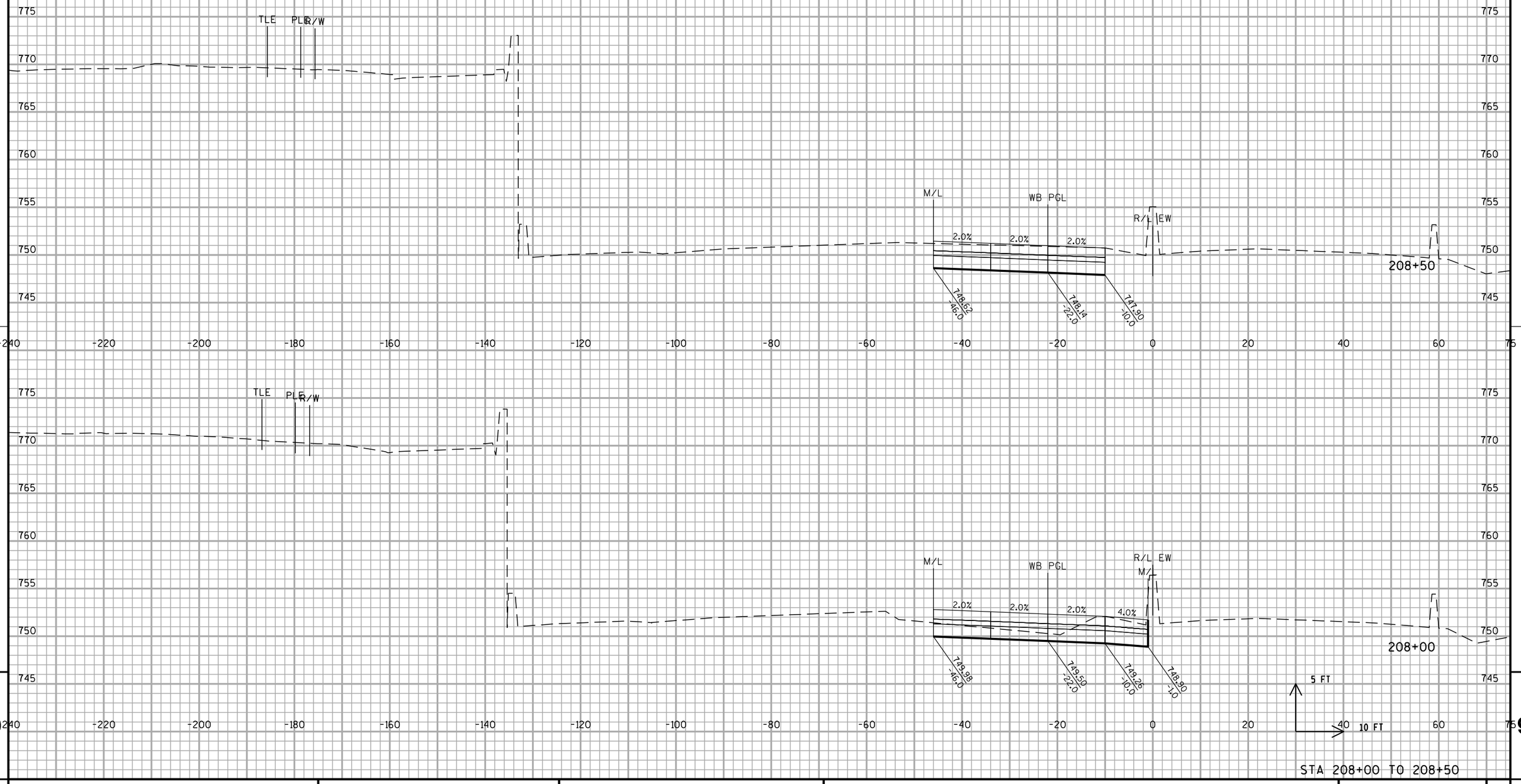


STA 207+00 TO 207+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e.dgn PLOT SCALE : 20:1

ALL WORK STAGE 3

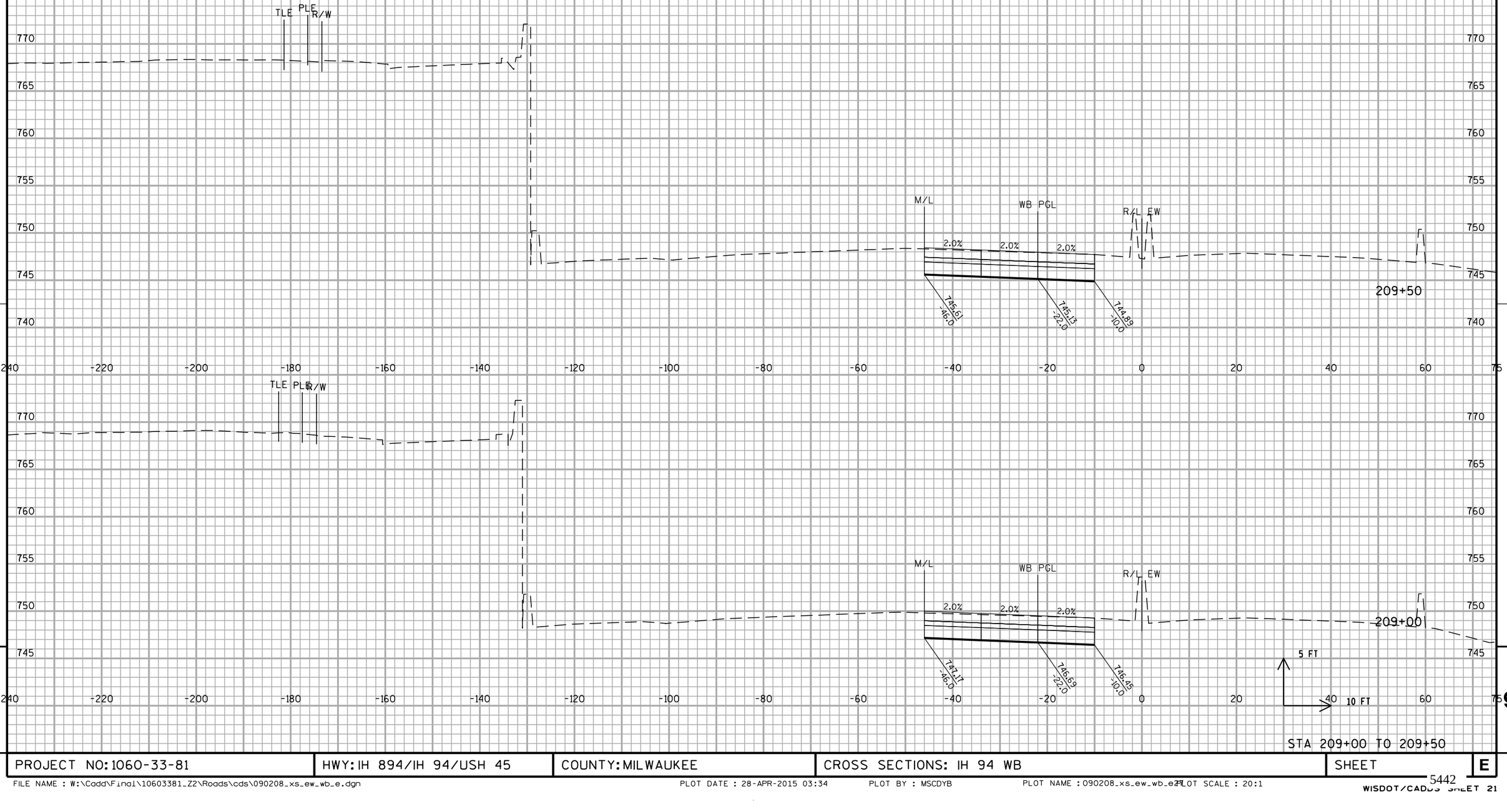


STA 208+00 TO 208+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:33 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e.pl PLOT SCALE : 20:1

ALL WORK STAGE 3



STA 209+00 TO 209+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e.dgn PLOT SCALE : 20:1

ALL WORK STAGE 3



STA 209+83 TO 209+83

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 94 WB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090208_xs_ew_wb_e.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090208_xs_ew_wb_e PLOT SCALE : 20:1

ALL WORK STAGE 6

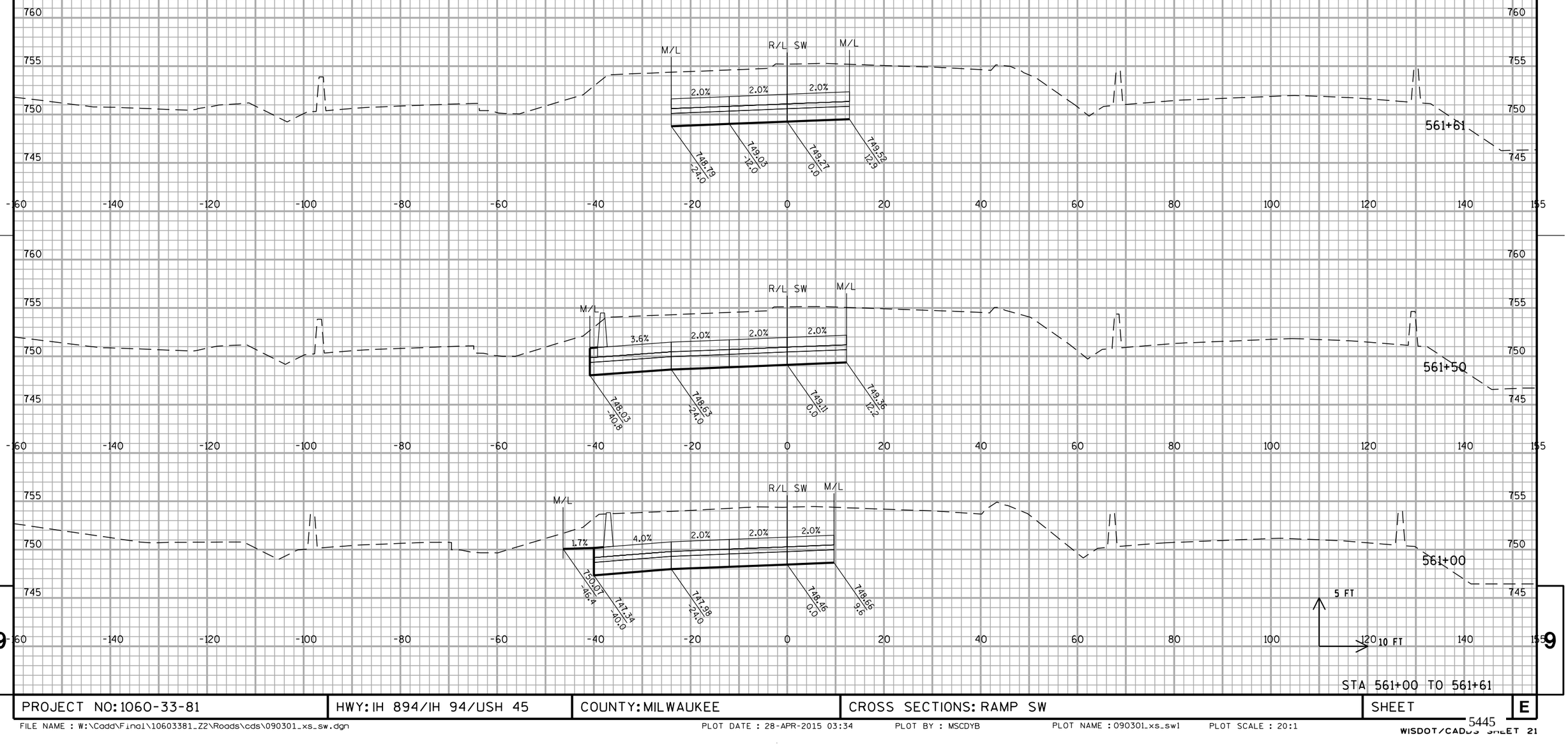


STA 559+26 TO 560+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw PLOT SCALE : 20:1

ALL WORK STAGE 6



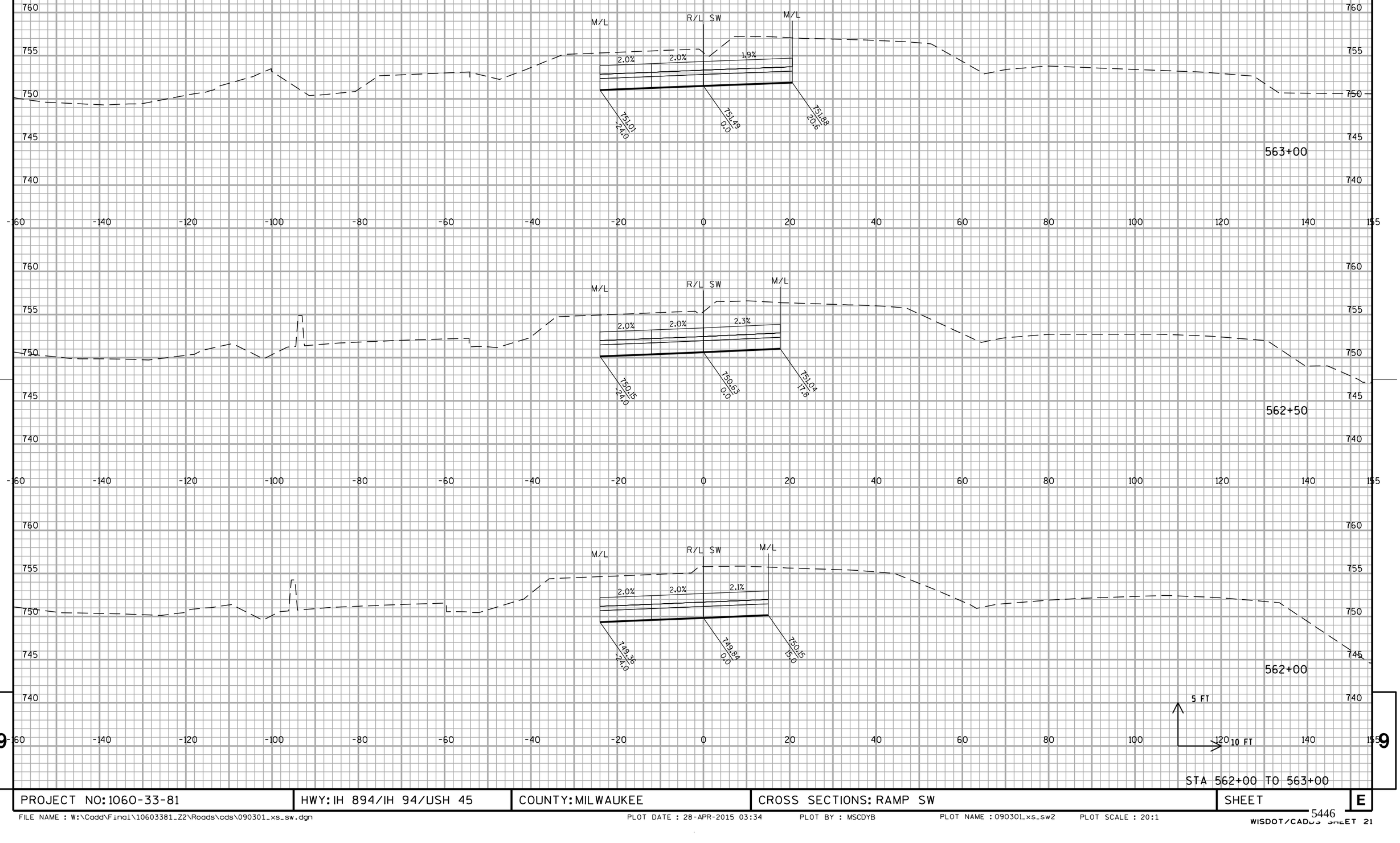
STA 561+00 TO 561+61

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 562+00 TO 563+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw2 PLOT SCALE : 20:1

ALL WORK STAGE 6



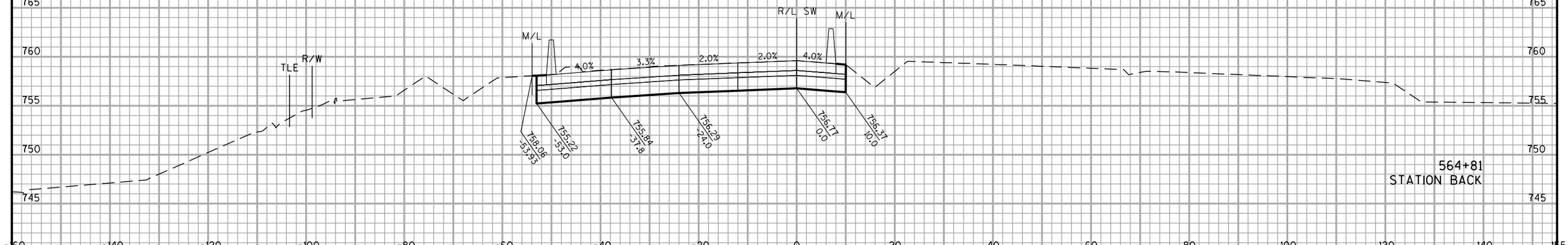
STA 563+44 TO 563+93

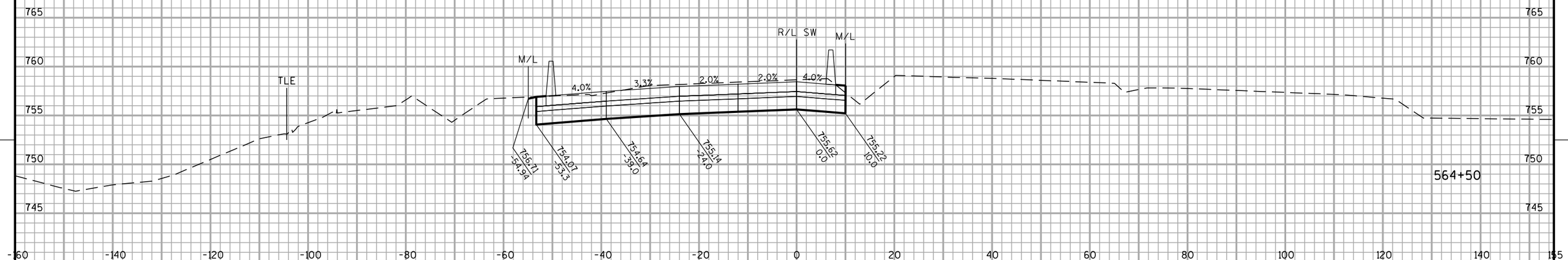
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

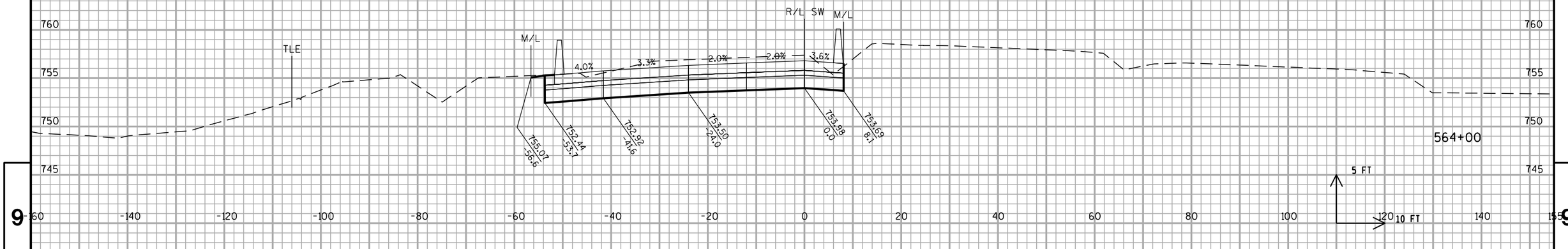
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6







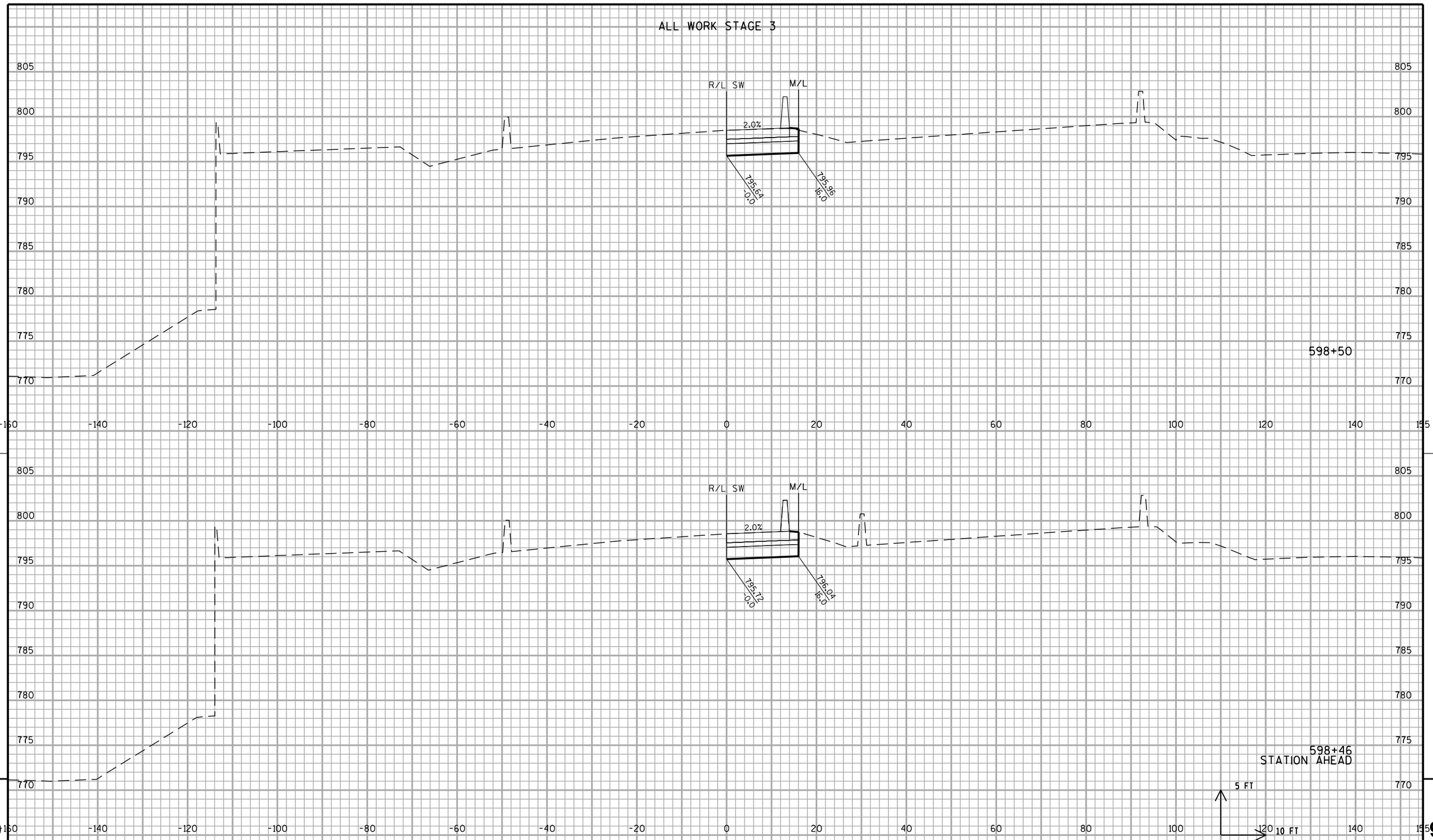
9

9

STA 564+00 TO 564+81

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

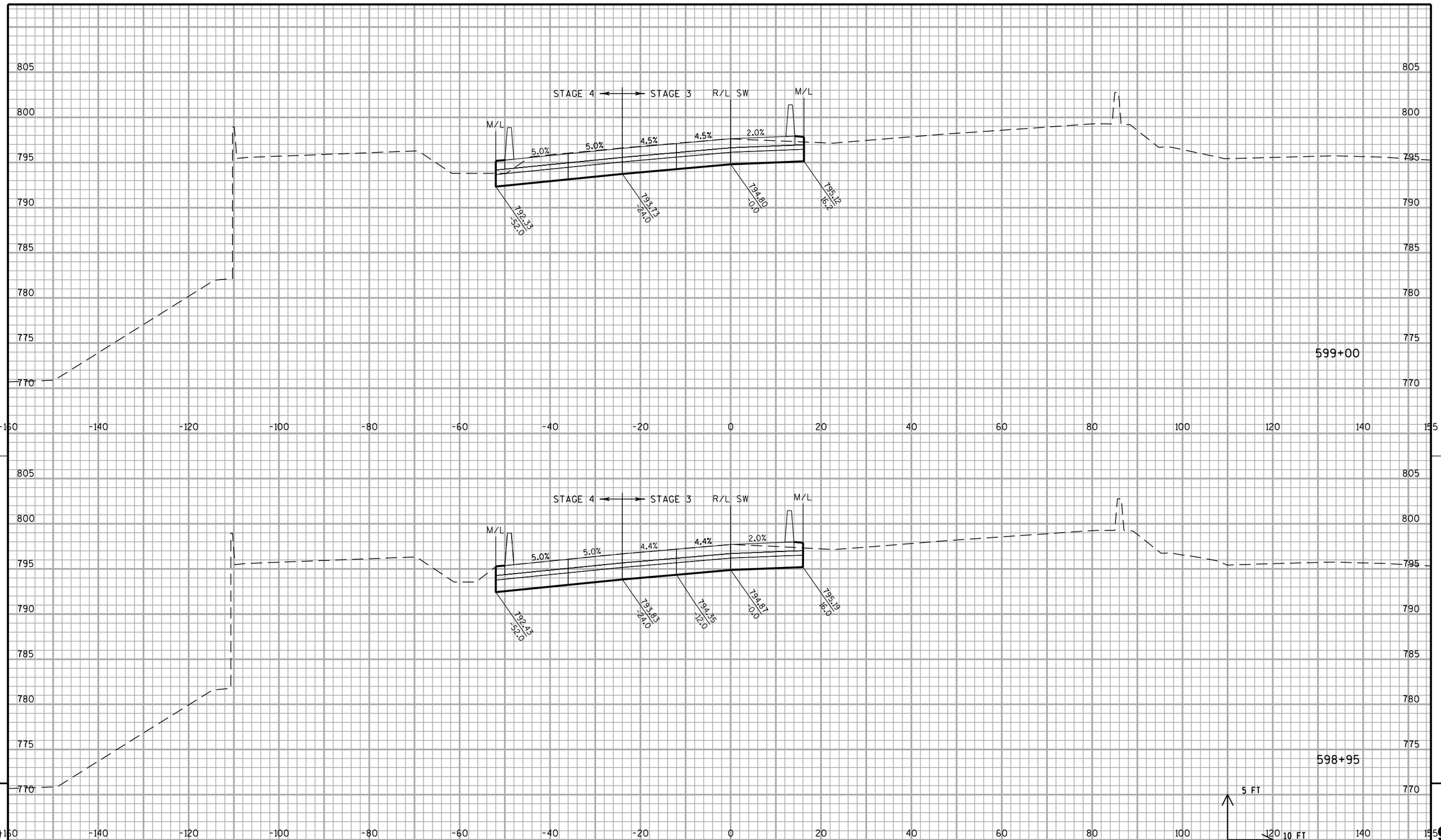
ALL WORK STAGE 3



STA 598+46 TO 598+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw5 PLOT SCALE : 20:1

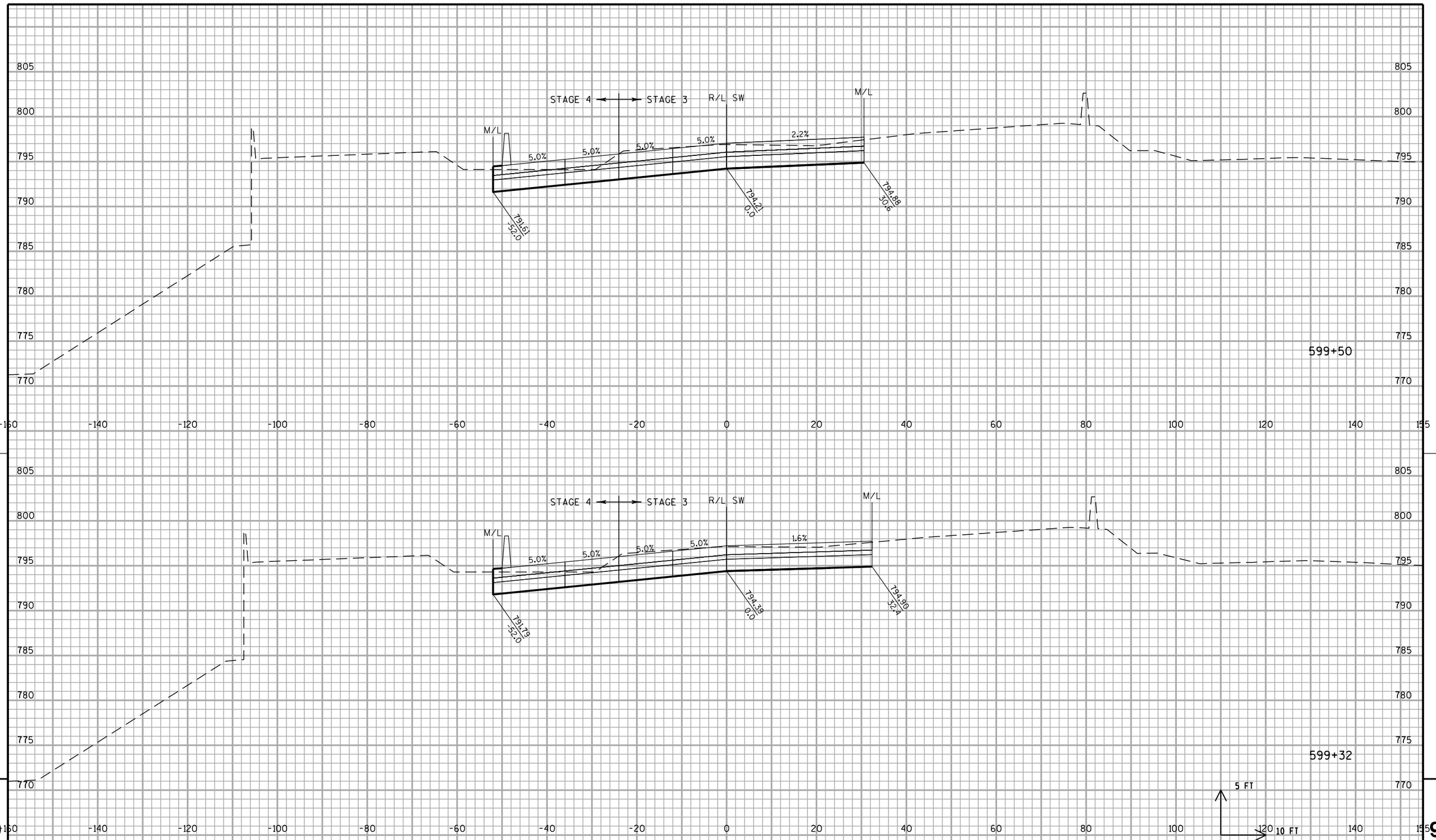


STA 598+95 TO 599+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw6 PLOT SCALE : 20:1

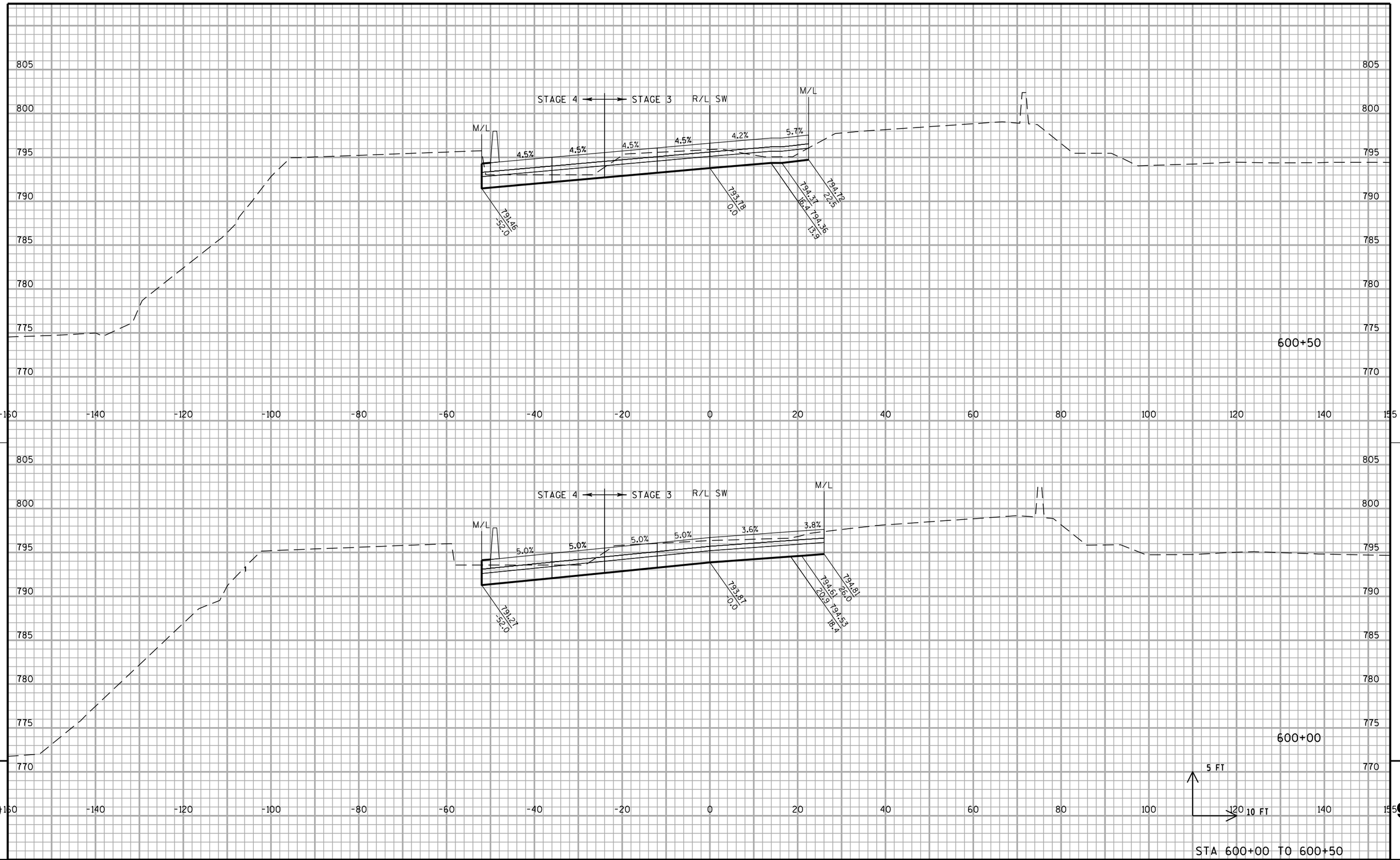
WISDOT/CADDS SHEET 21



STA 599+32 TO 599+50

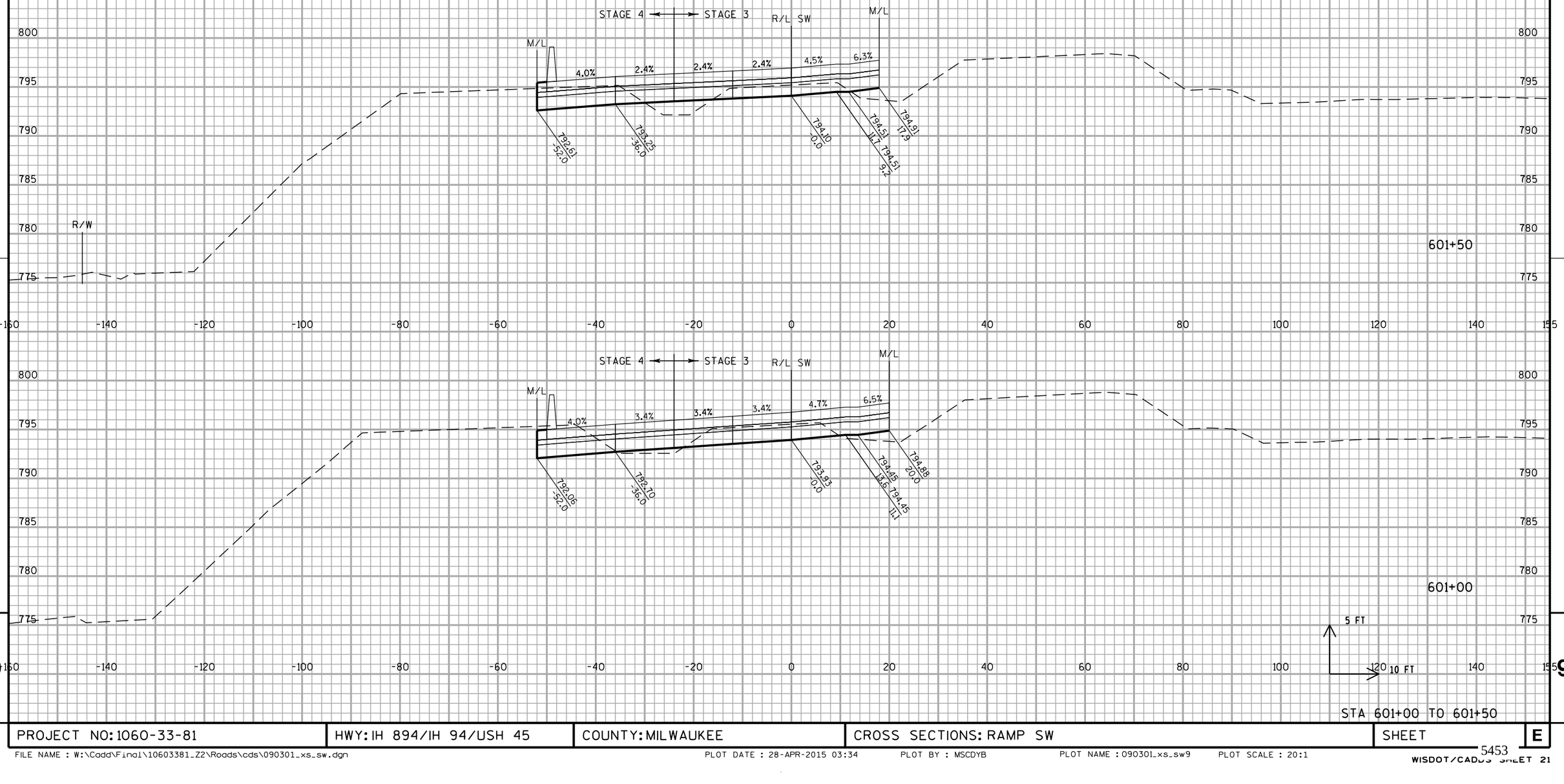
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw7 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

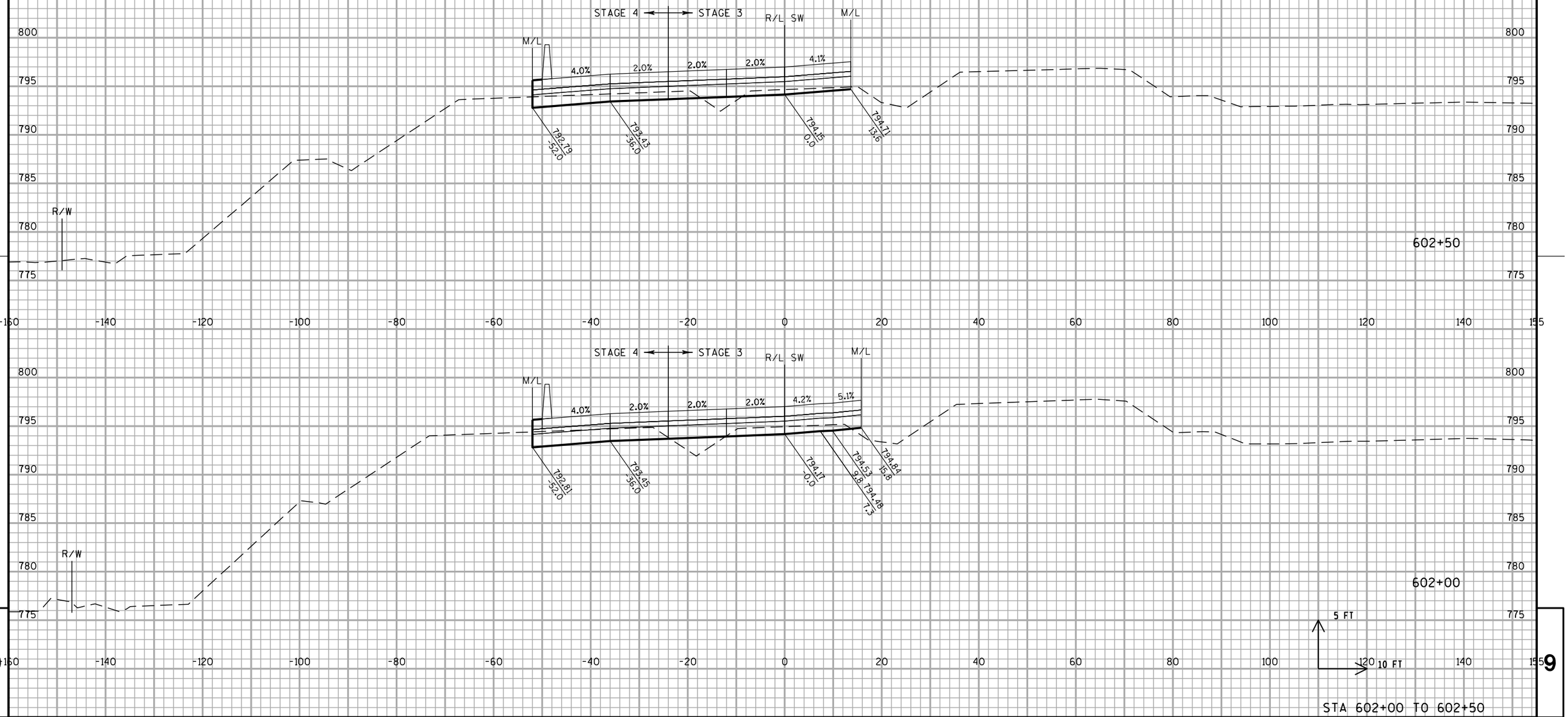
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STA 601+00 TO 601+50

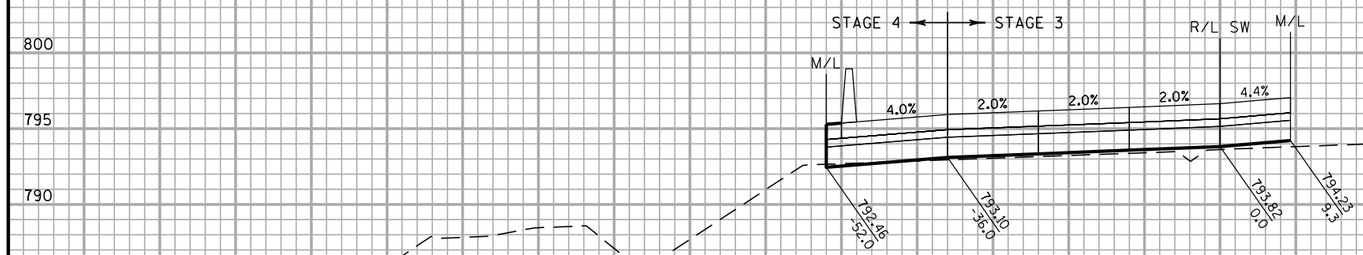
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

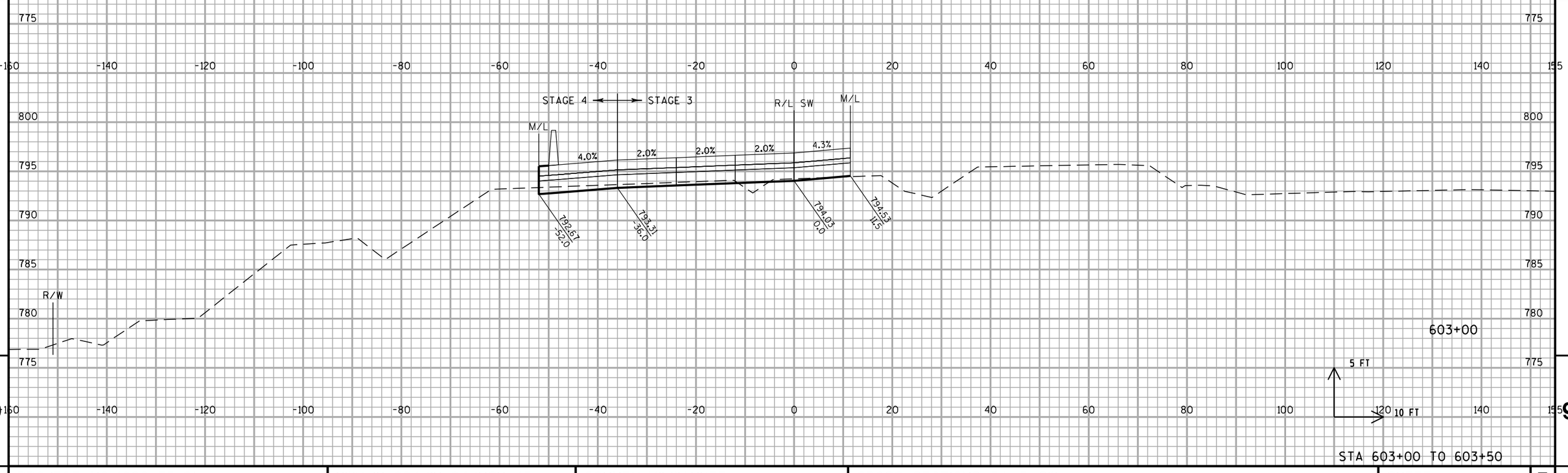
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw9 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw10 PLOT SCALE : 20:1



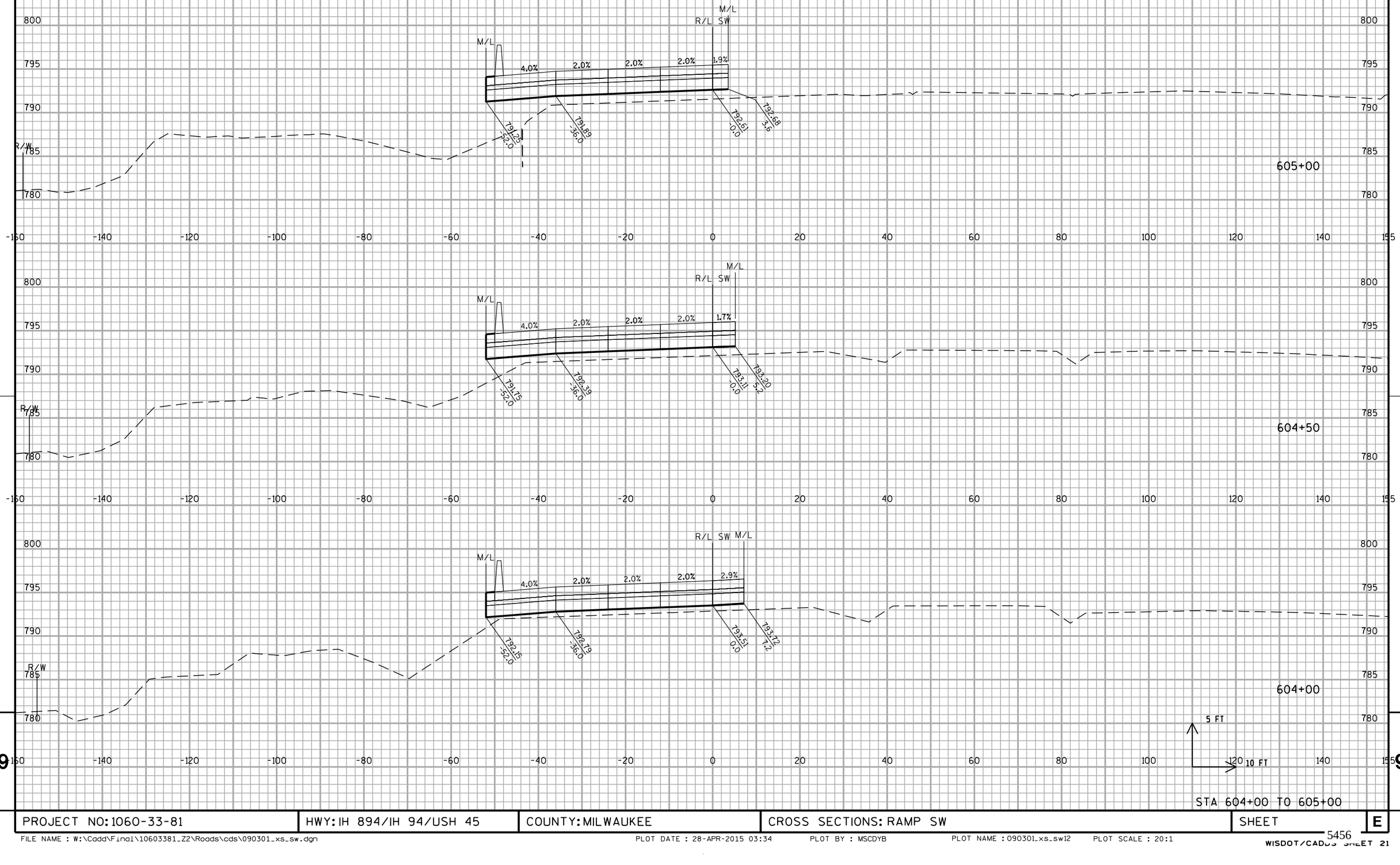


STA 603+00 TO 603+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw11 PLOT SCALE : 20:1

ALL WORK STAGE 3

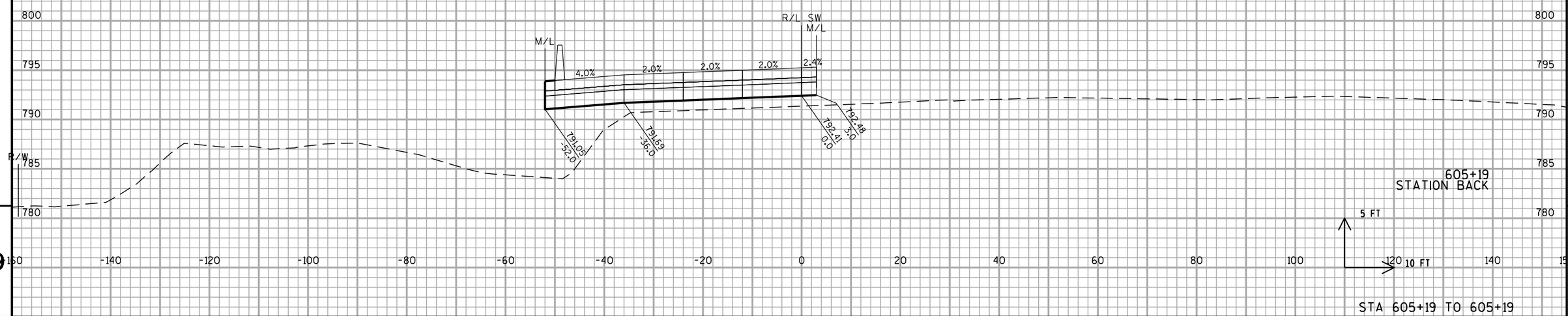


STA 604+00 TO 605+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw12 PLOT SCALE : 20:1

ALL WORK STAGE 3

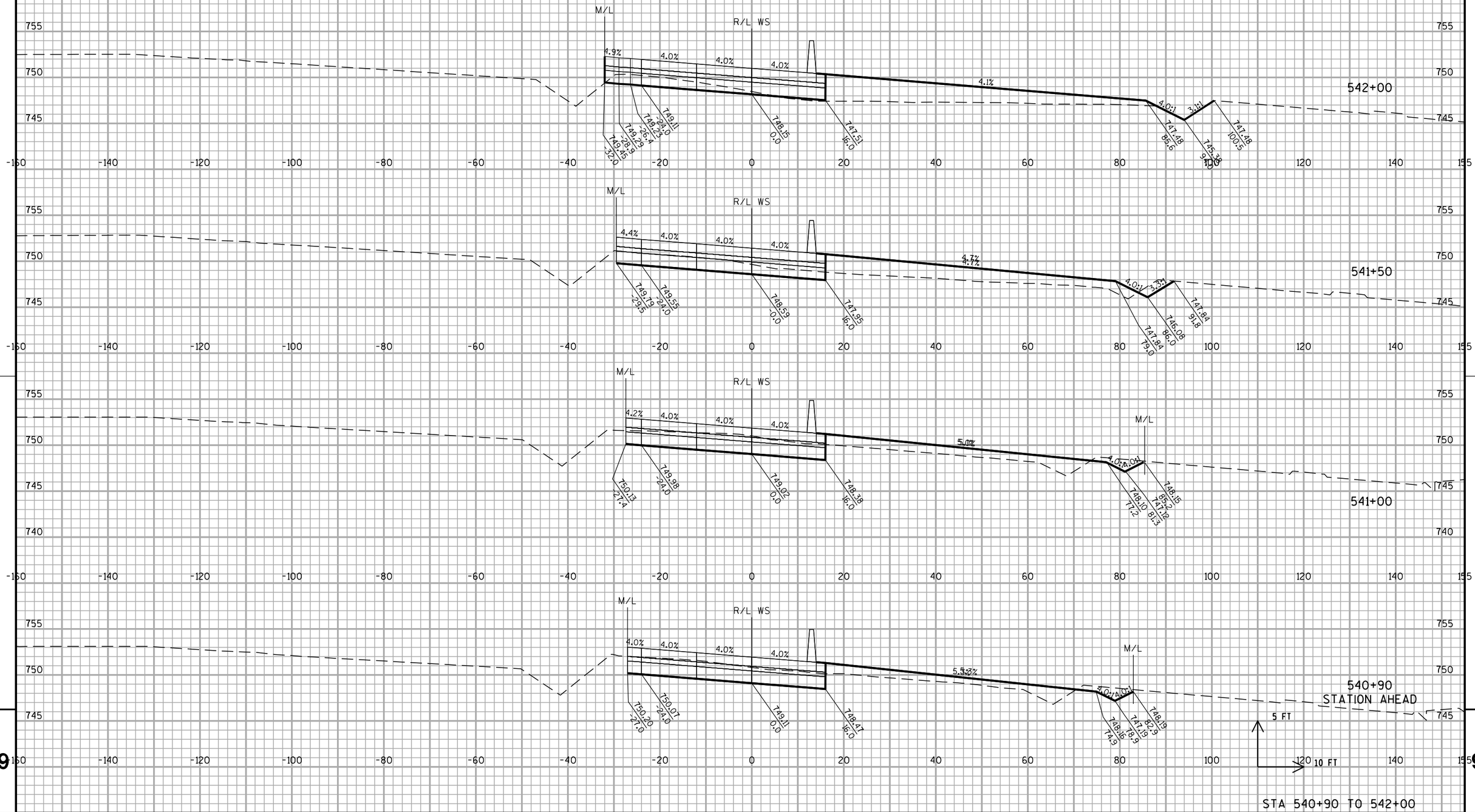


STA 605+19 TO 605+19

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090301_xs_sw.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090301_xs_sw13 PLOT SCALE : 20:1

ALL WORK STAGE 2

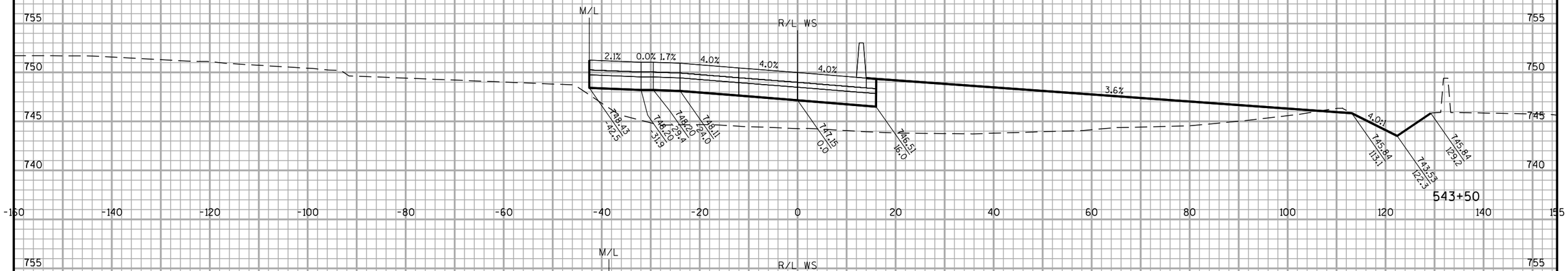


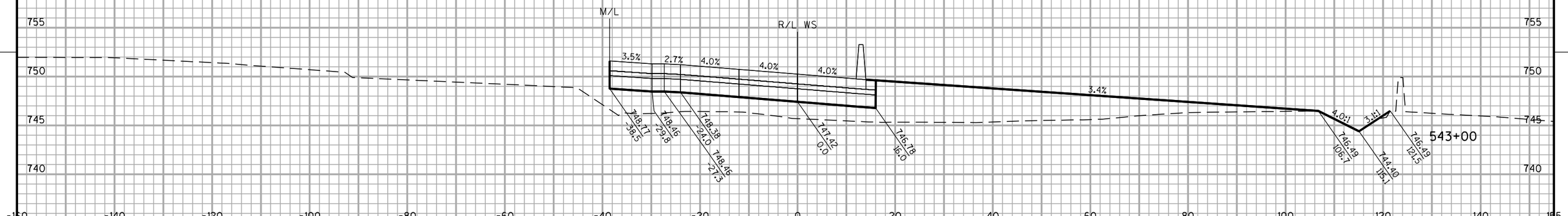
STA 540+90 TO 542+00

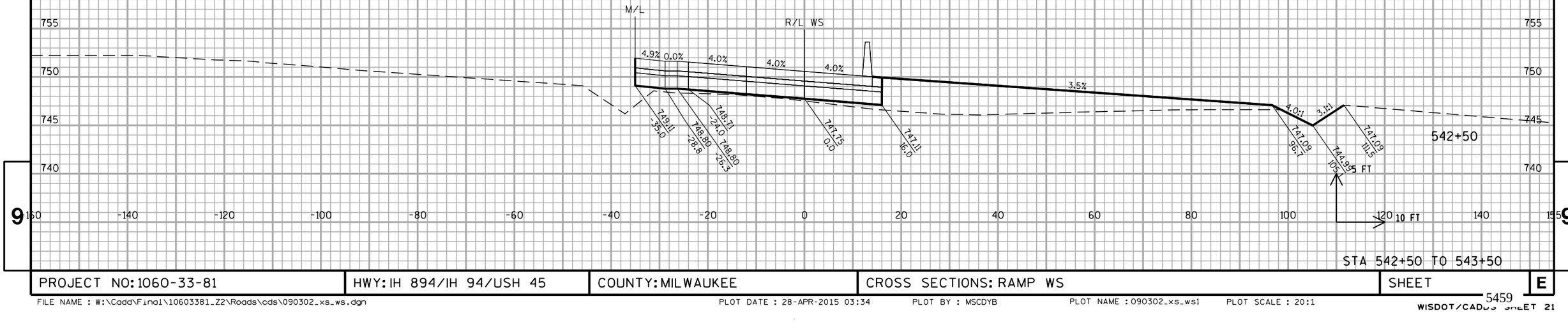
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws PLOT SCALE : 20:1

ALL WORK STAGE 2





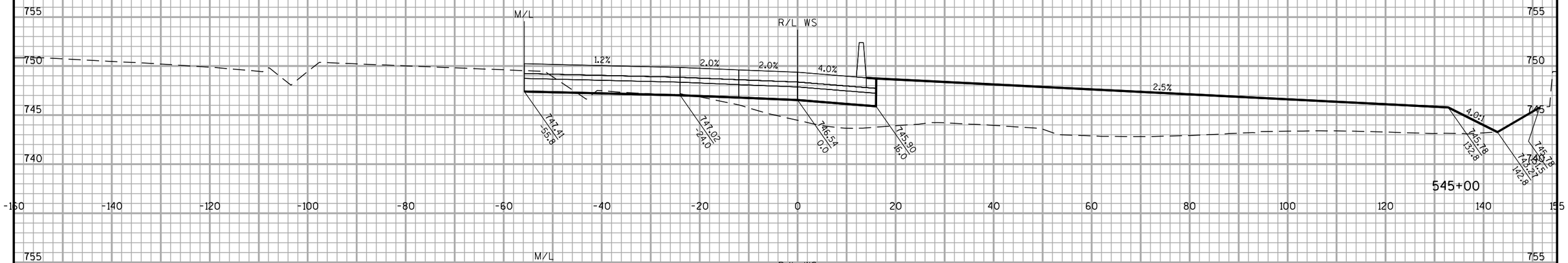


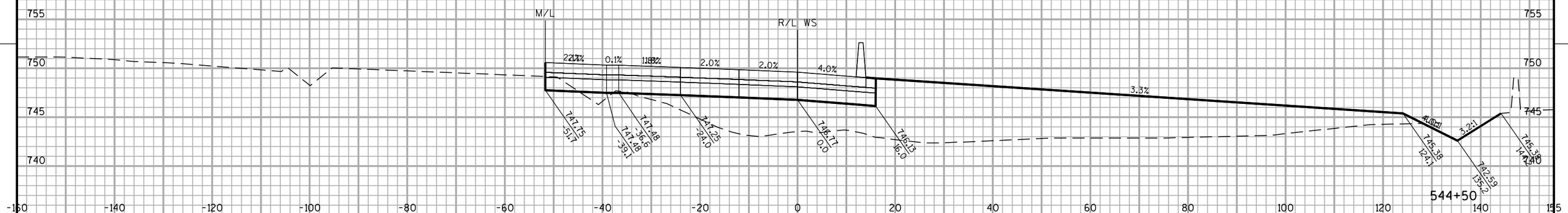
STA 542+50 TO 543+50

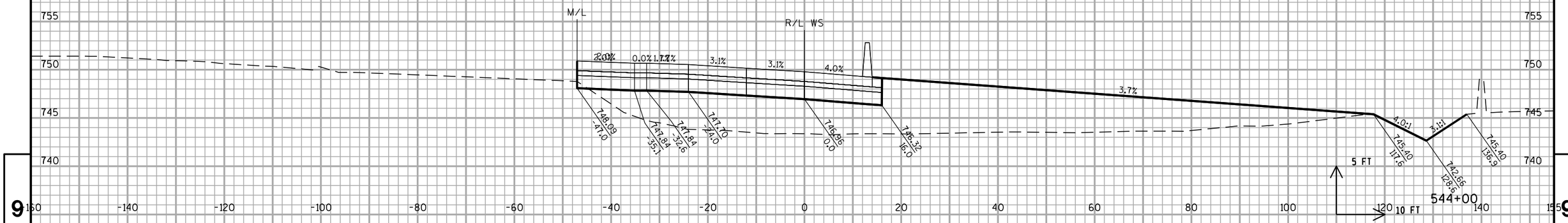
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws1 PLOT SCALE : 20:1

ALL WORK STAGE 2







STA 544+00 TO 545+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws2 PLOT SCALE : 20:1

780 780
775 775
770 770
765 765
760 760
755 755
750 750
745 745
740 740

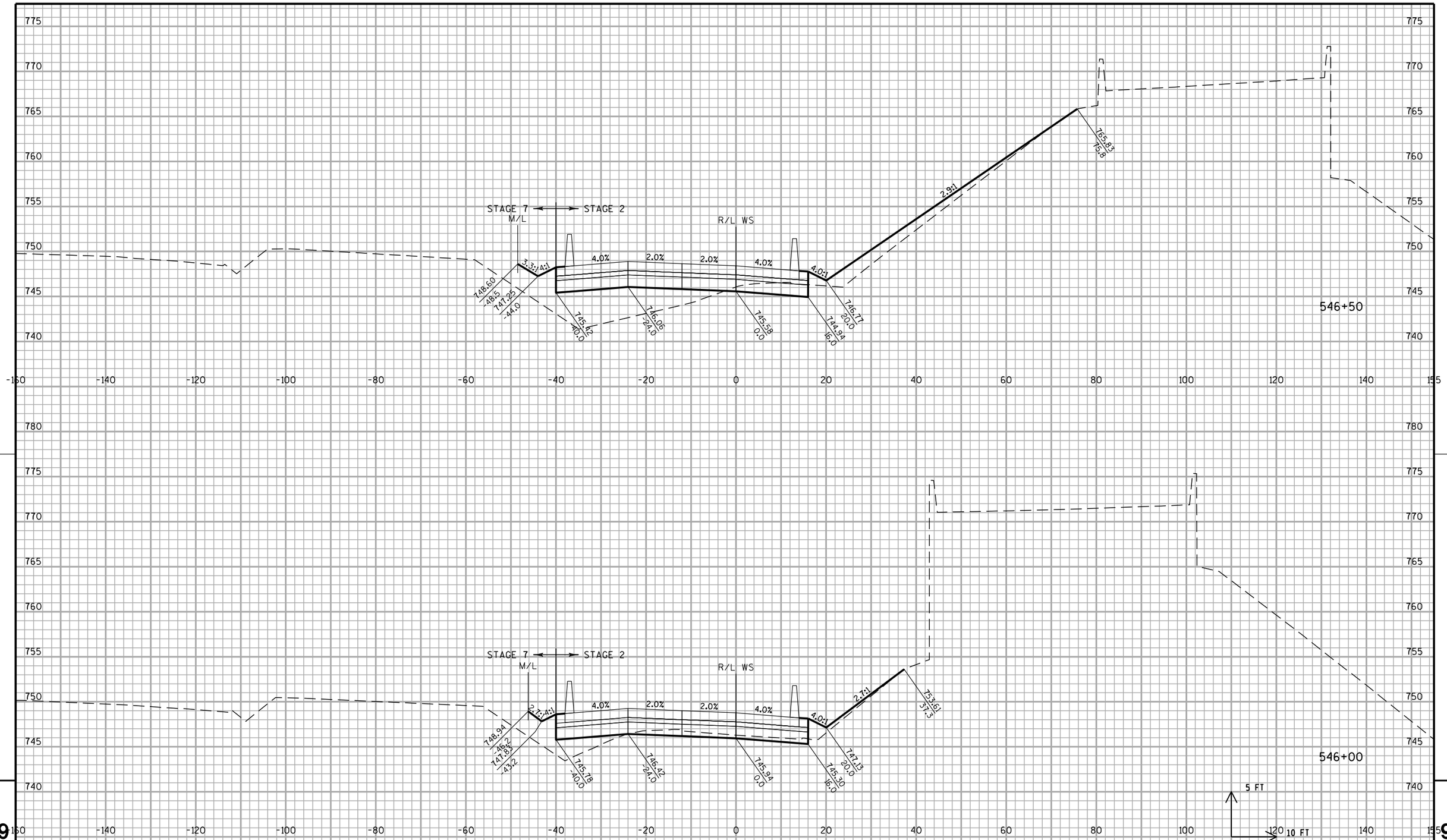
STAGE 7 ← → STAGE 2
M/L
R/L WS
3.4% 2.0% 2.0% 4.0% 5.5:1
749.27 -43.3
748.68 -41.3
746.20 -40.0
746.75 24.0
746.27 0.0
745.63 16.0
747.69 20.2
545+50
5 FT
10 FT
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STA 545+50 TO 545+50

9 9

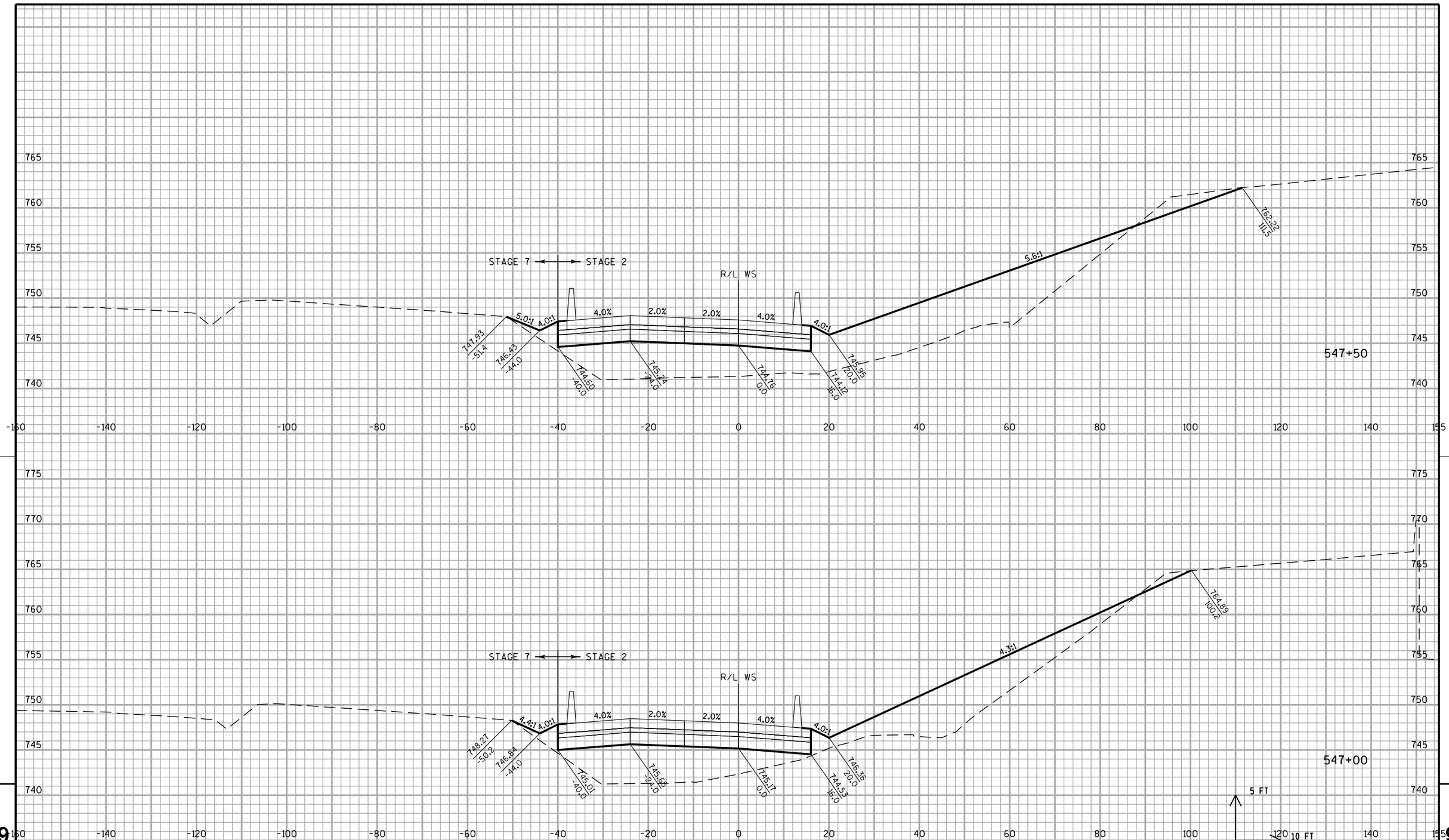
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws3 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

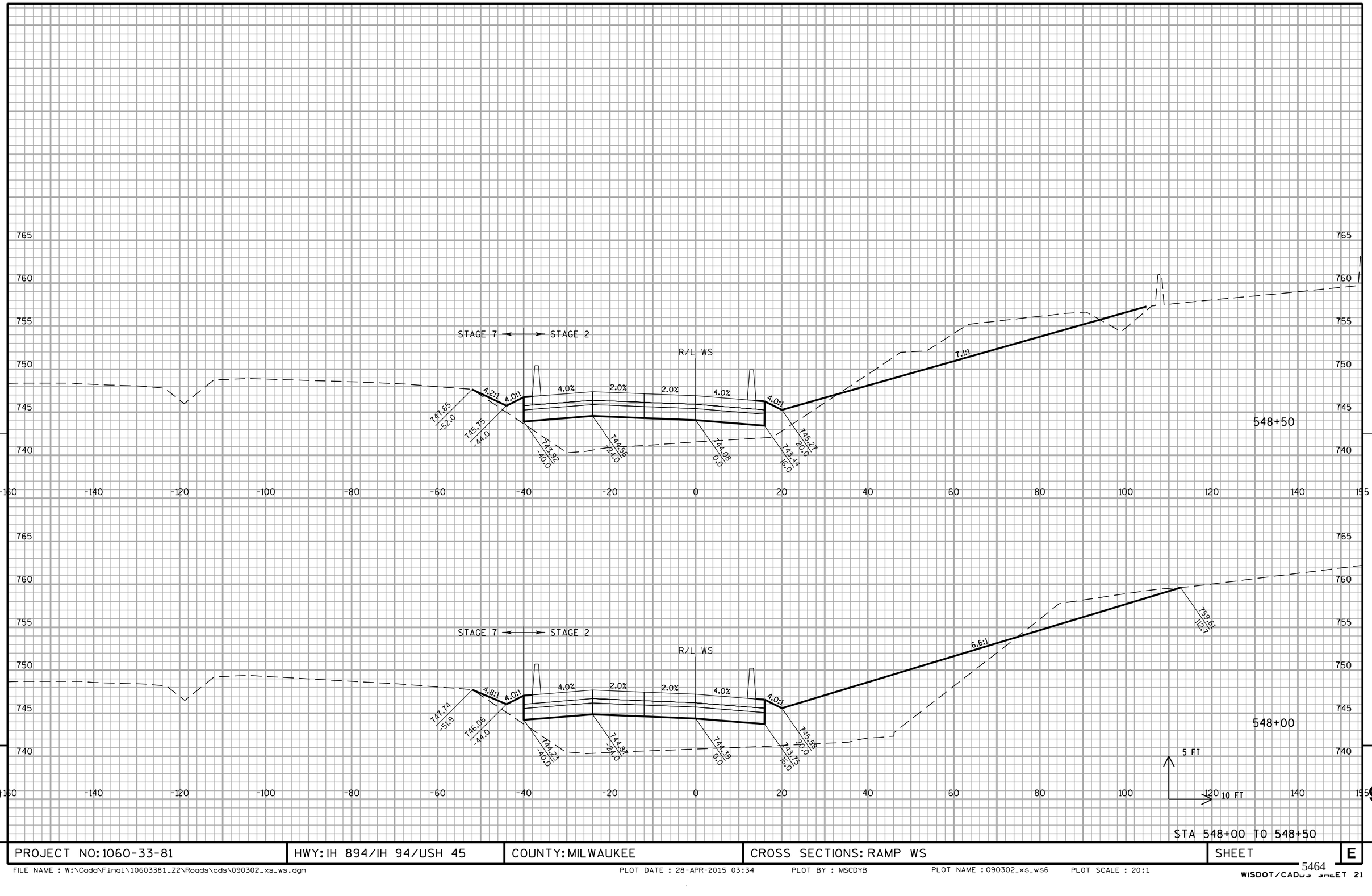
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STA 547+00 TO 547+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

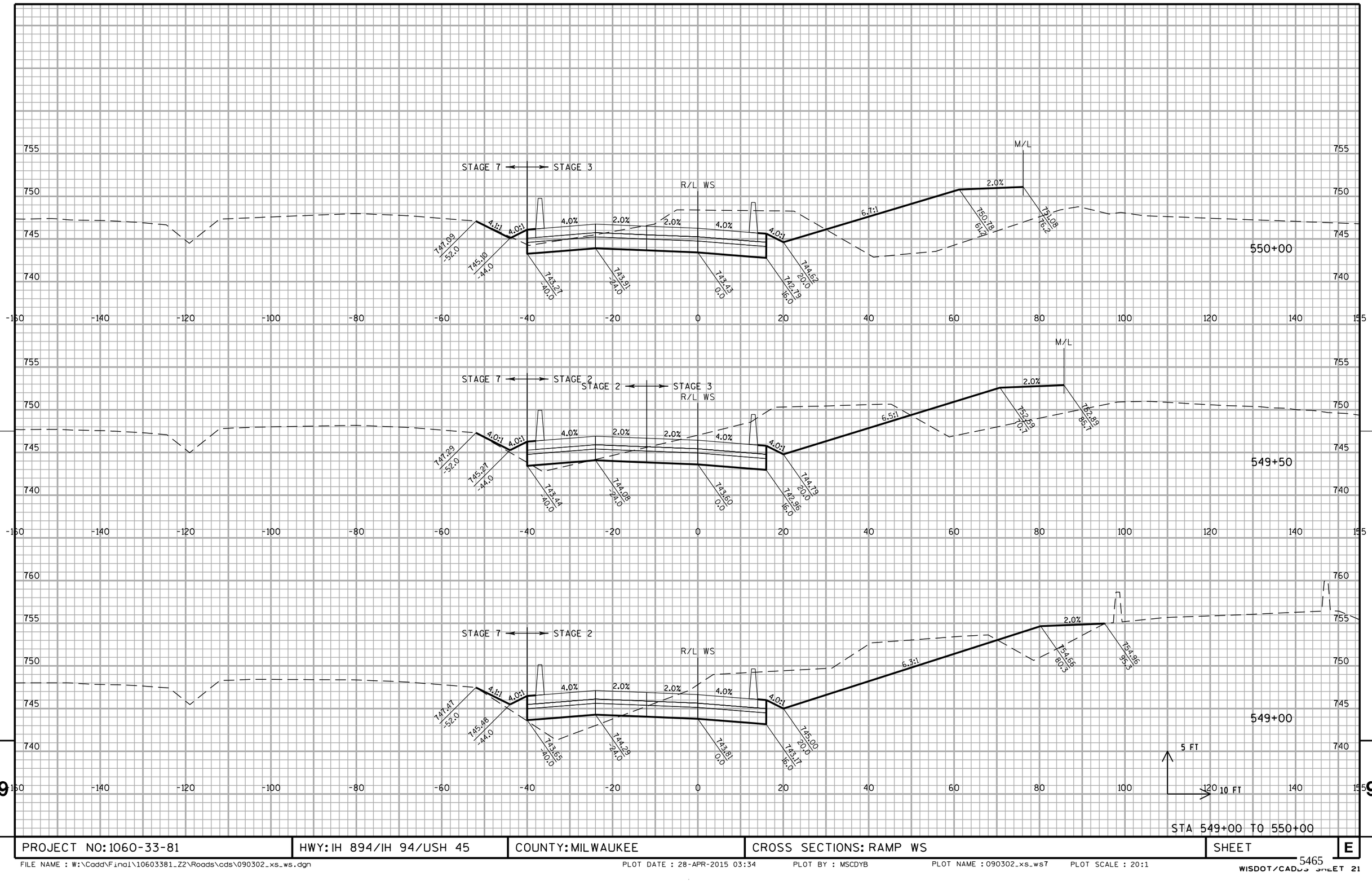
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STA 548+00 TO 548+50

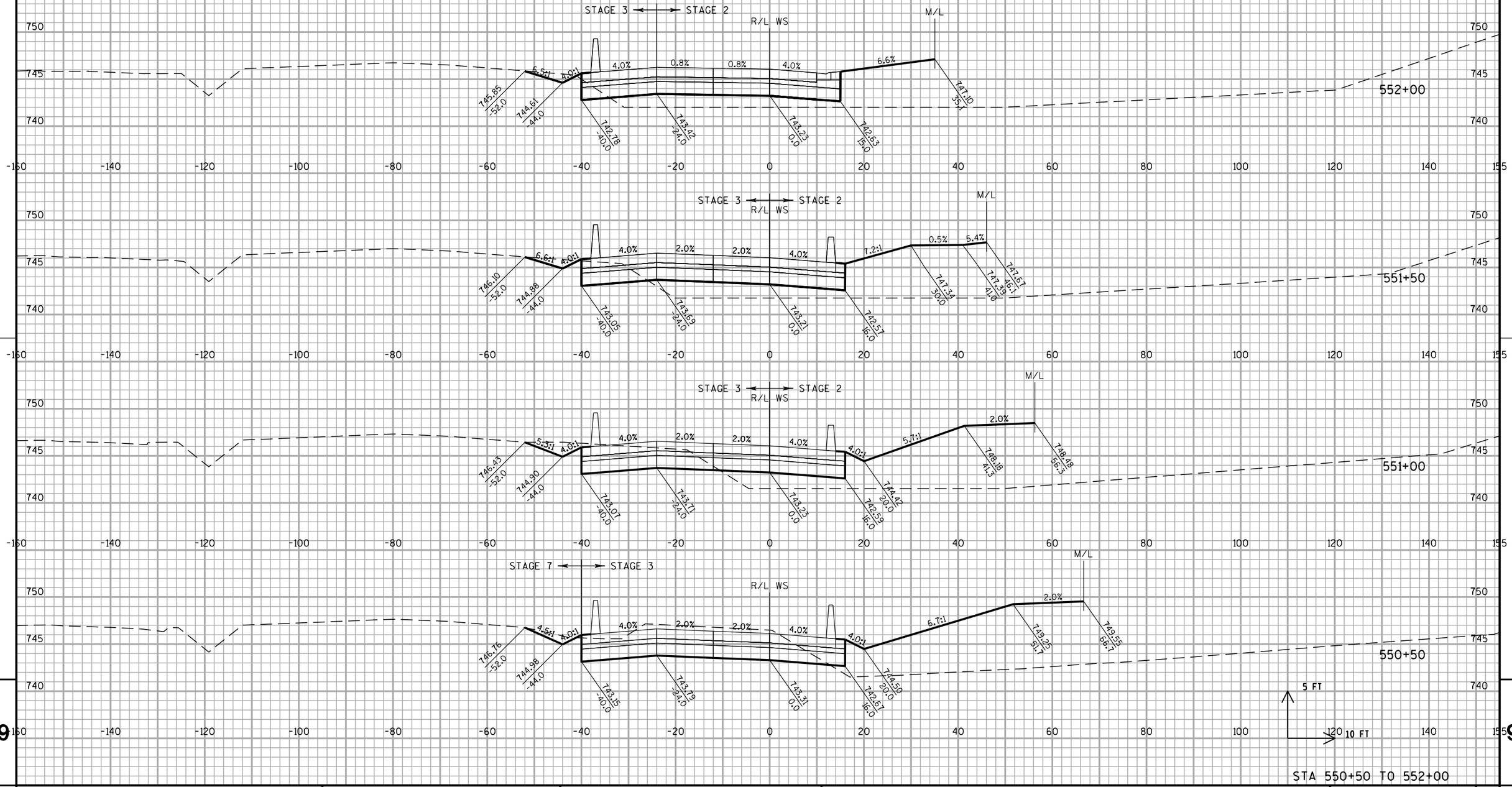
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws6 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

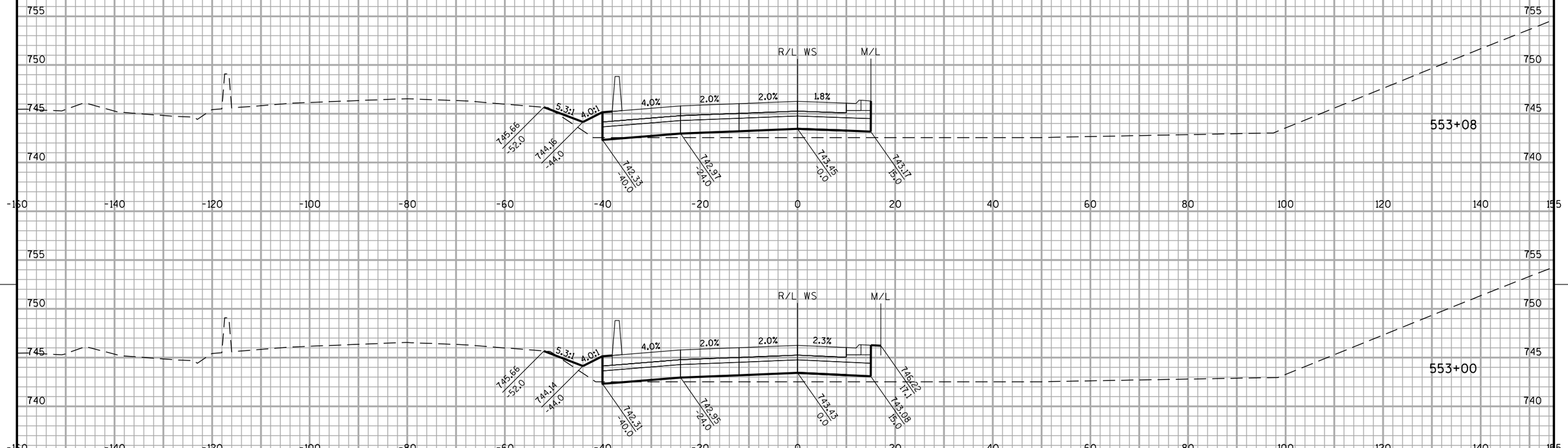
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws7 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_WS.dgn PLOT DATE : 29-APR-2015 07:30 PLOT BY : MSCDYB PLOT NAME : 090302_xs_WS8 PLOT SCALE : 20:1

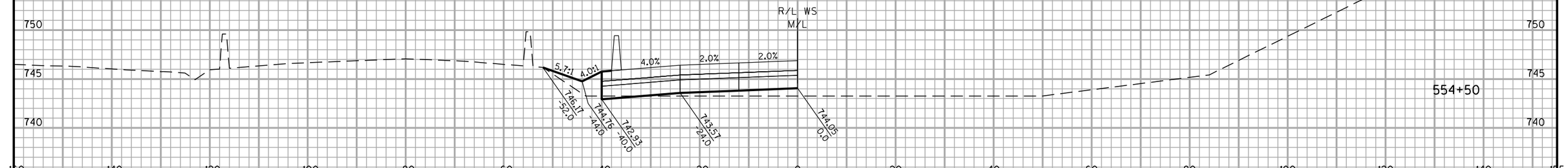
ALL WORK STAGE 2

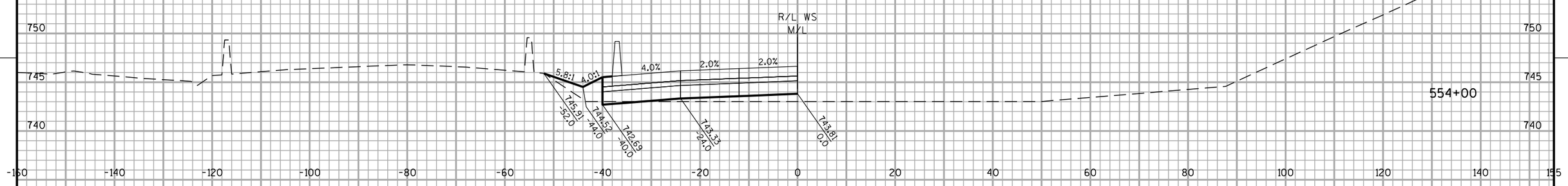


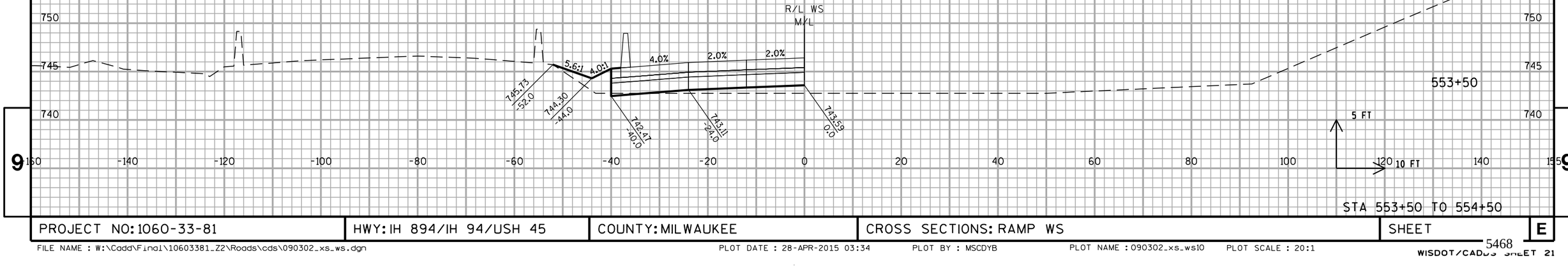
STA 552+50 TO 553+08

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

ALL WORK STAGE 2





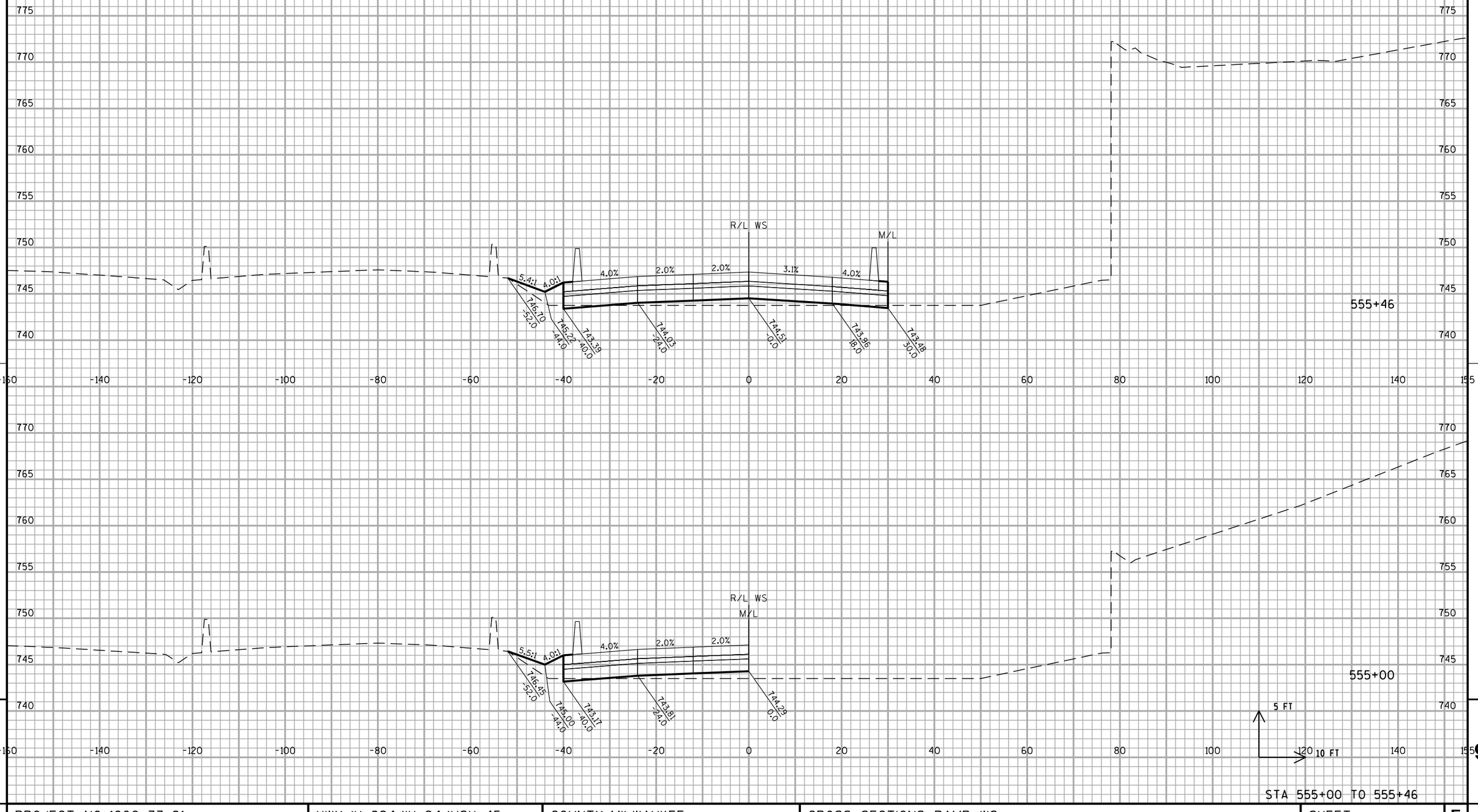


STA 553+50 TO 554+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws10 PLOT SCALE : 20:1

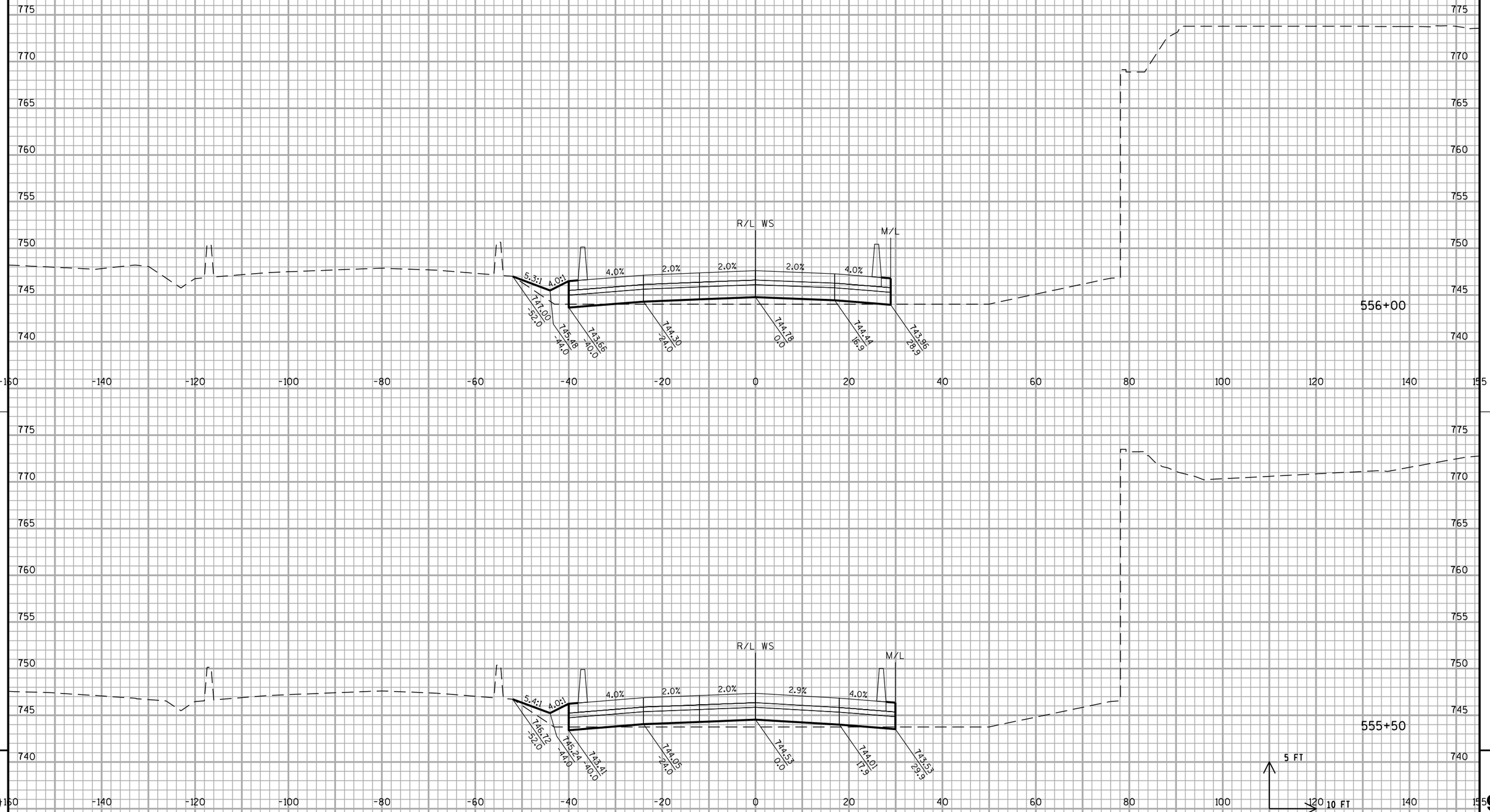
ALL WORK STAGE 2



STA 555+00 TO 555+46

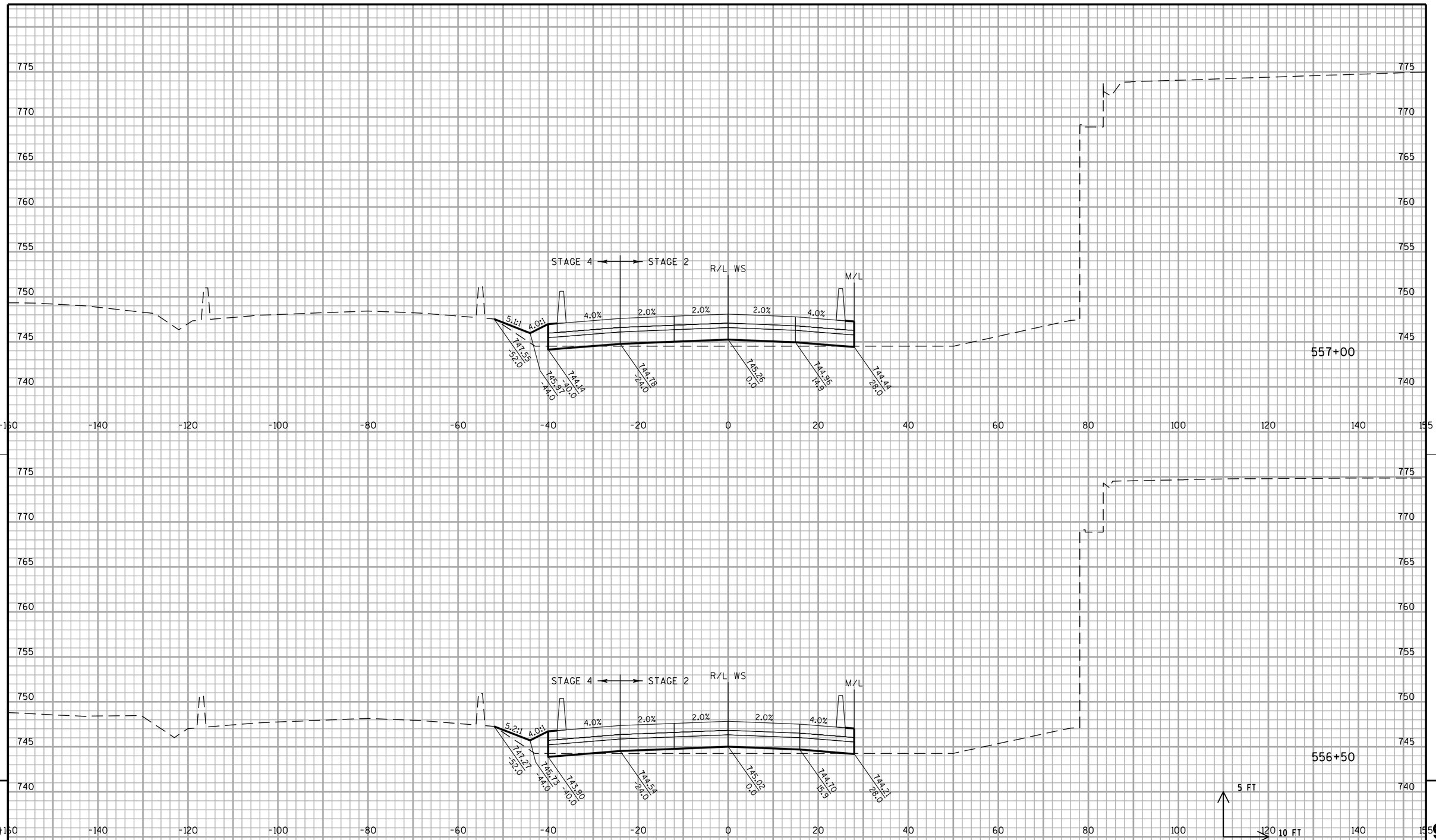
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

ALL WORK STAGE 2



STA 555+50 TO 556+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E



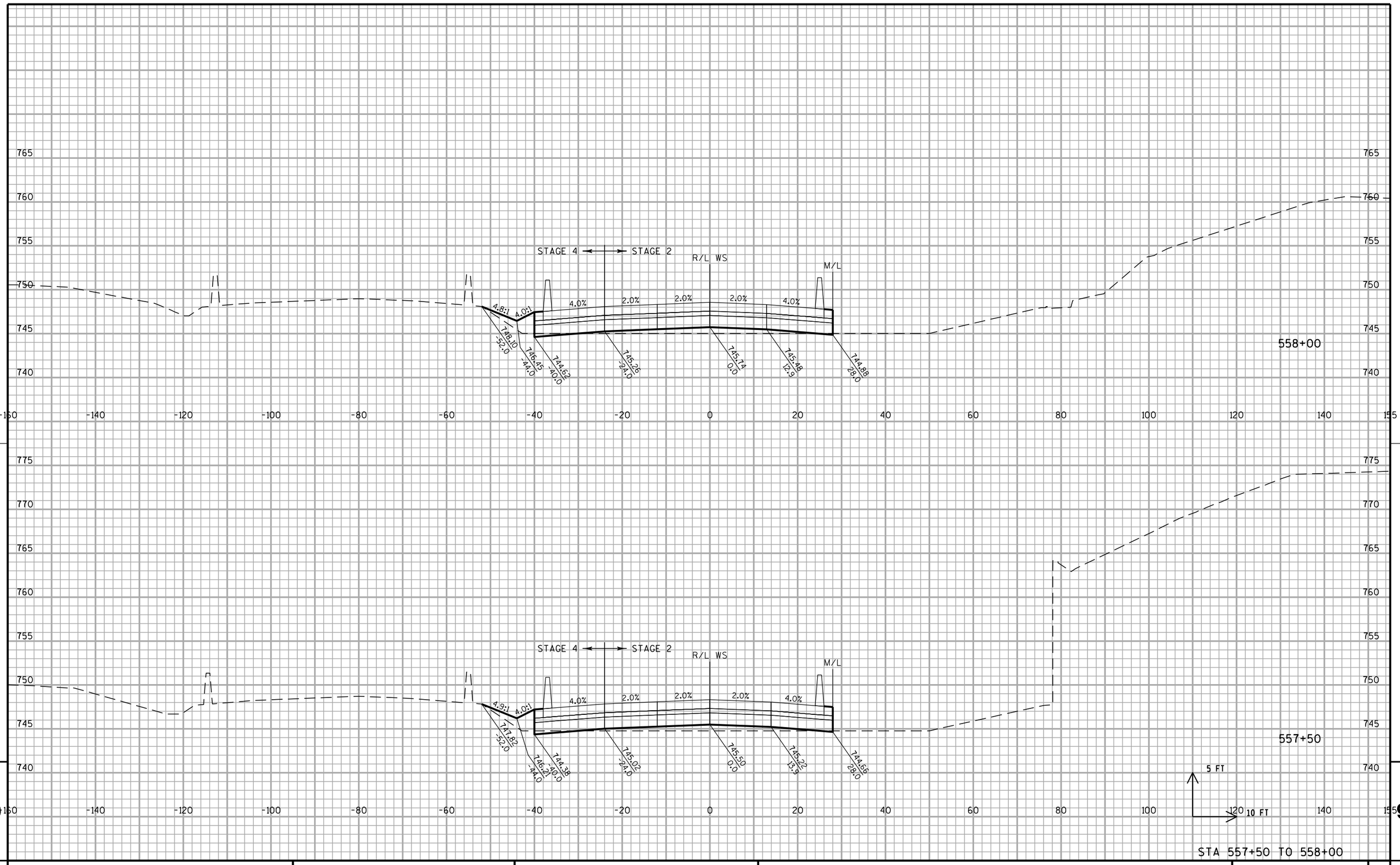
9

9

STA 556+50 TO 557+00

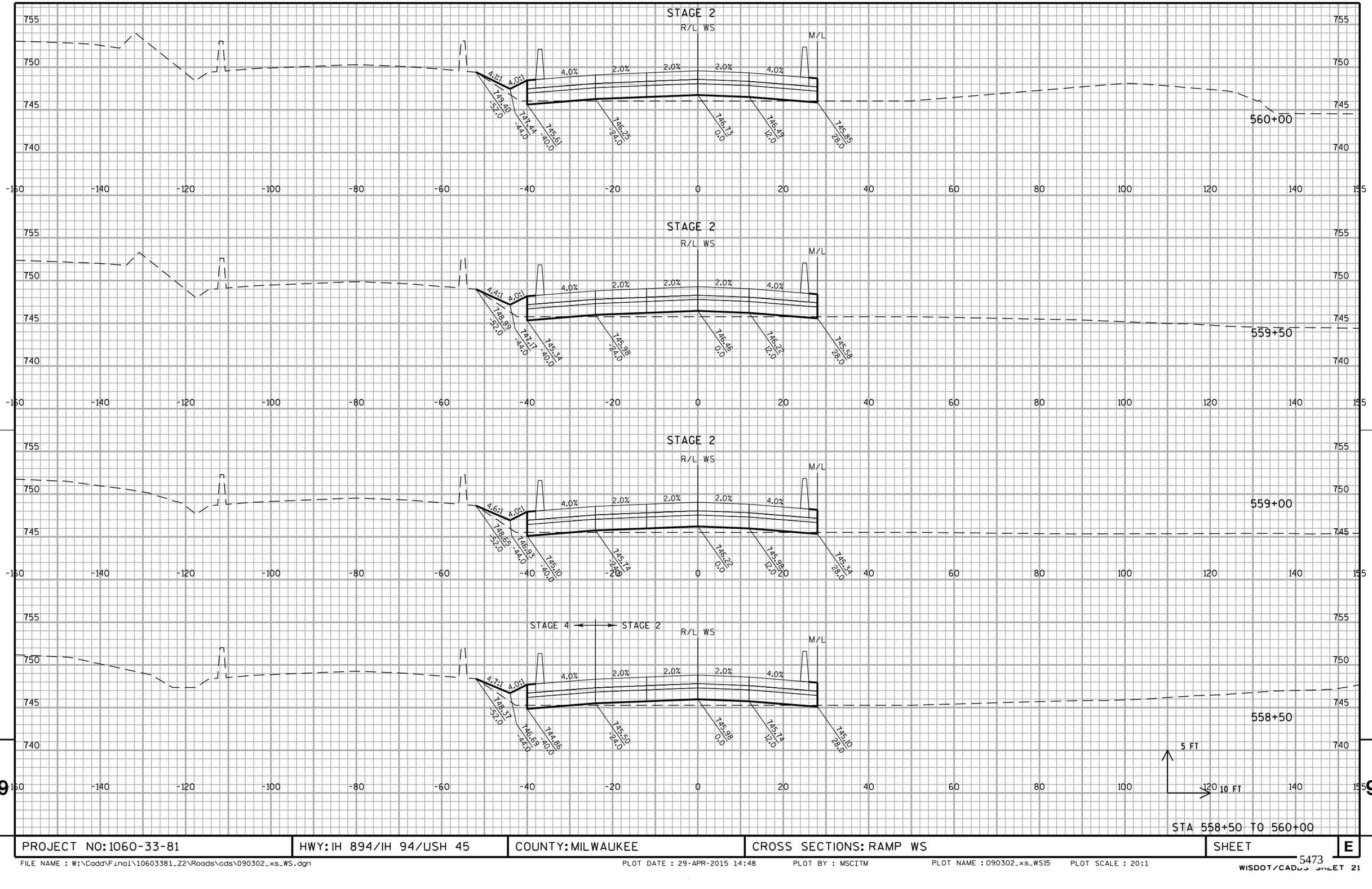
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_WS.dgn PLOT DATE : 29-APR-2015 14:48 PLOT BY : MSCITM PLOT NAME : 090302_xs_WS13 PLOT SCALE : 20:1

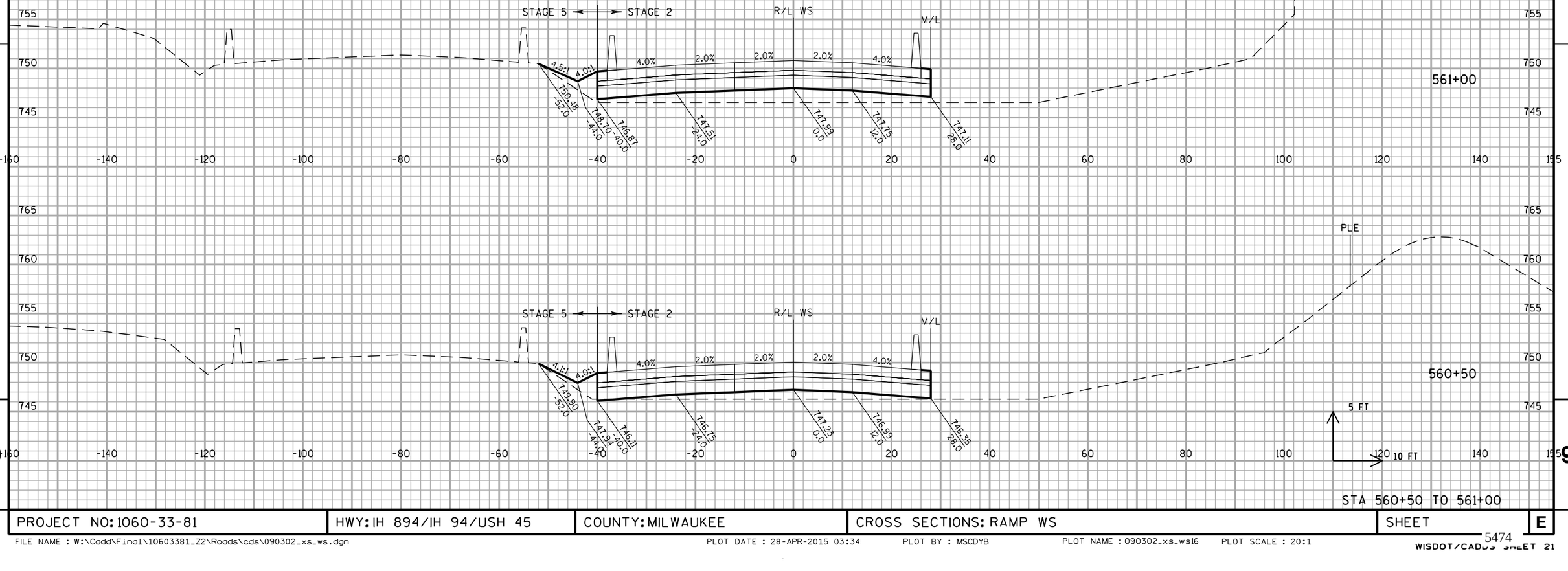


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_WS.dgn PLOT DATE : 29-APR-2015 14:48 PLOT BY : MSCITM PLOT NAME : 090302_xs_WS14 PLOT SCALE : 20:1

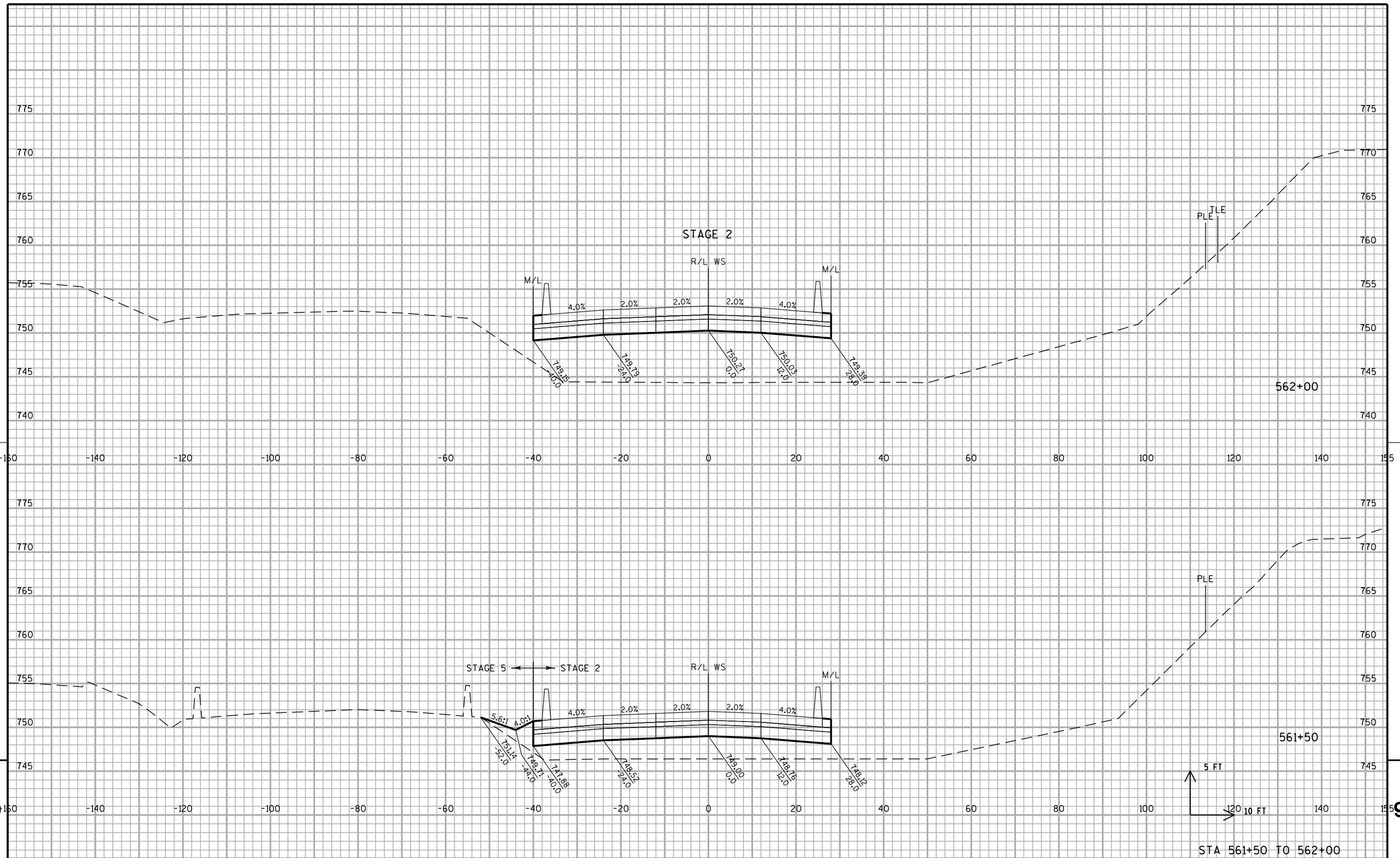


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

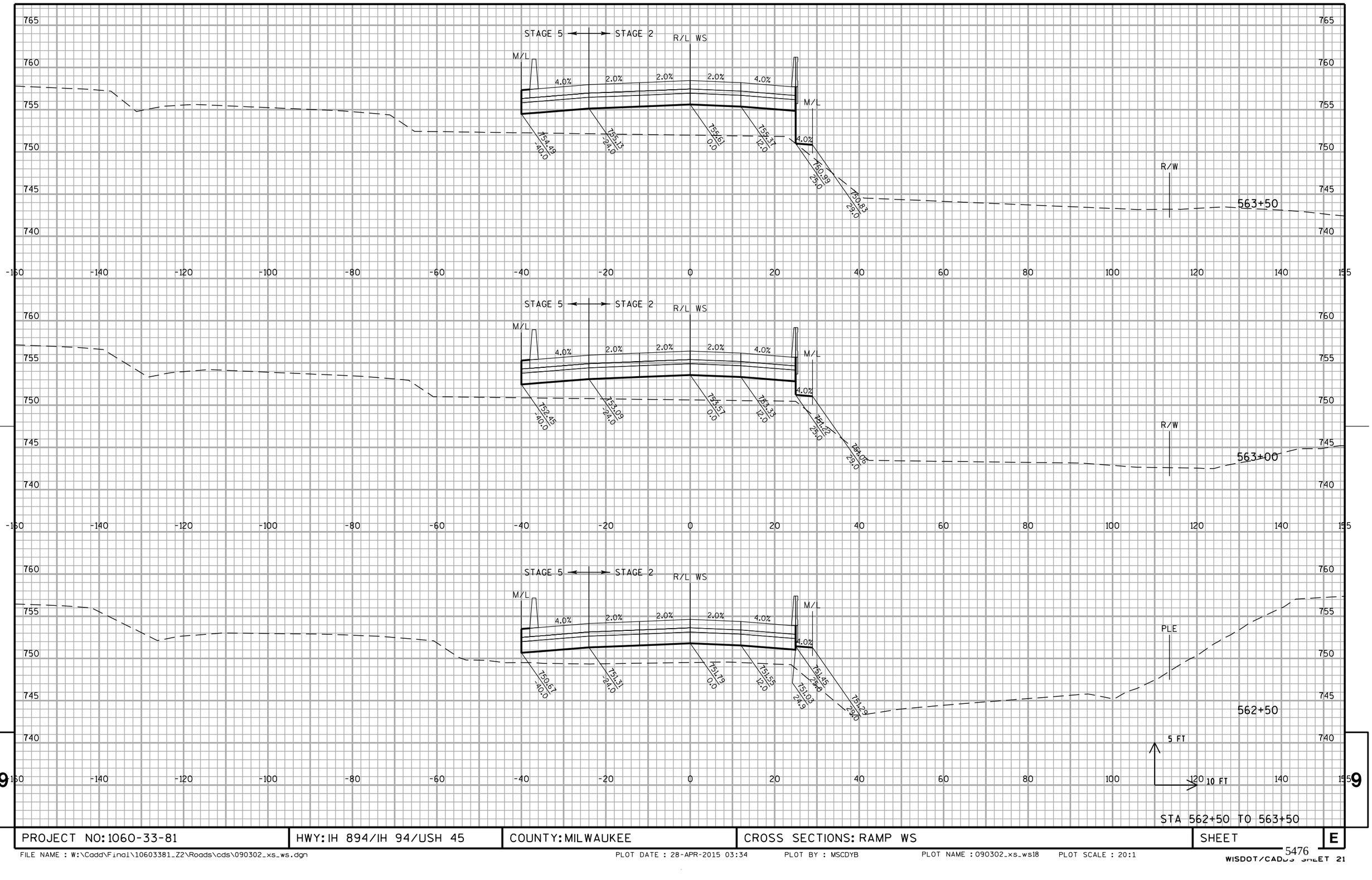


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws16 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

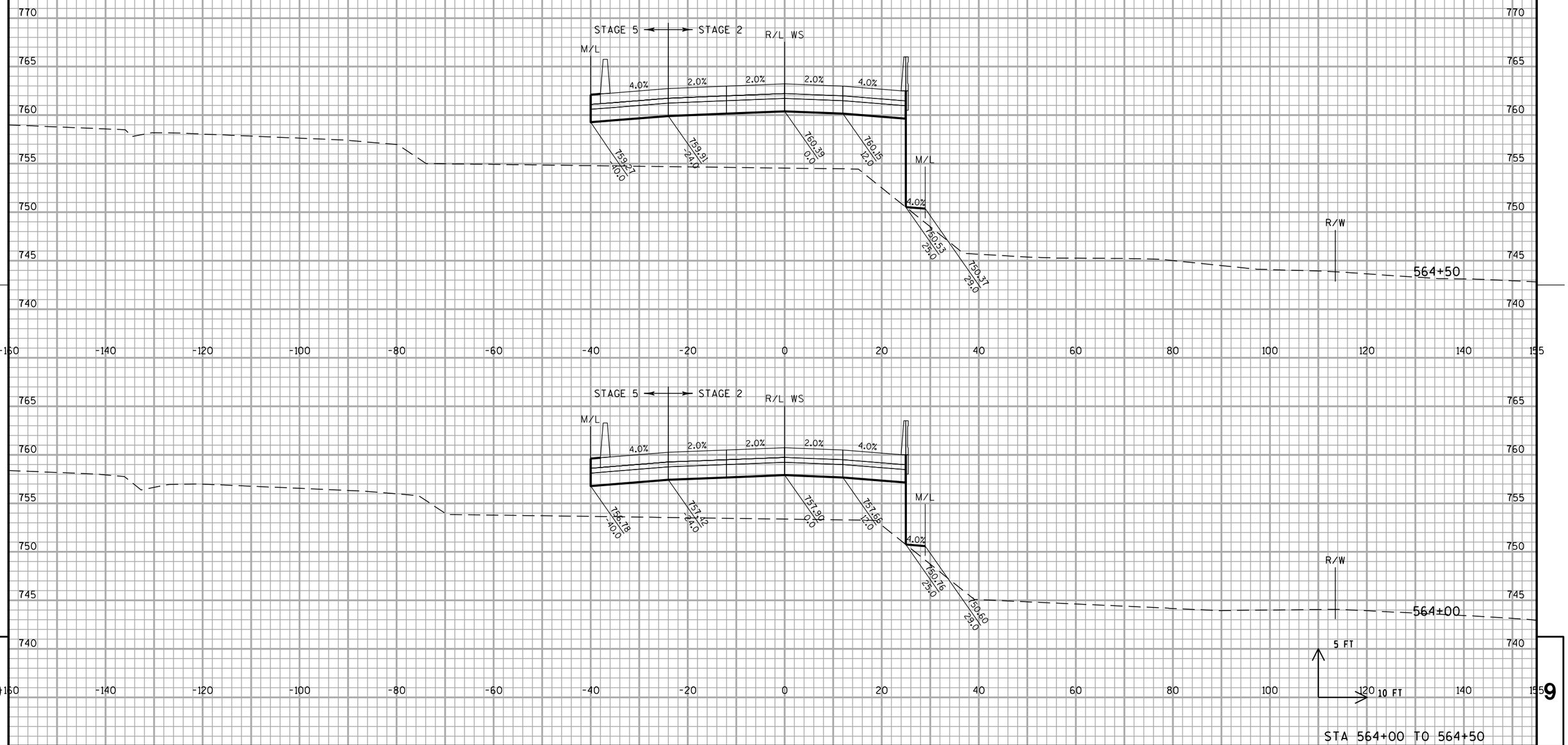


STA 562+50 TO 563+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws18 PLOT SCALE : 20:1

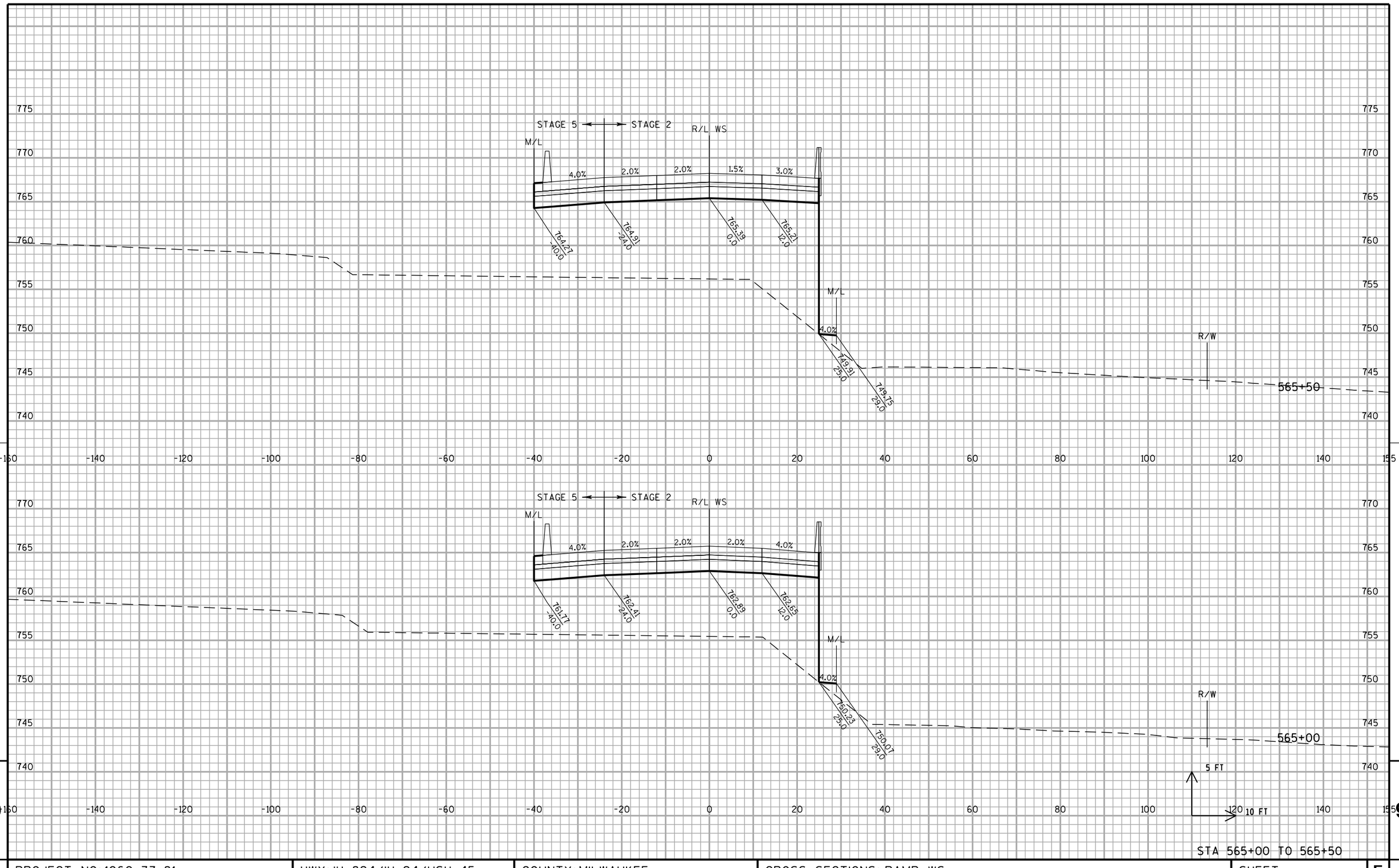
WISDOT/CADDS SHEET 21



STA 564+00 TO 564+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

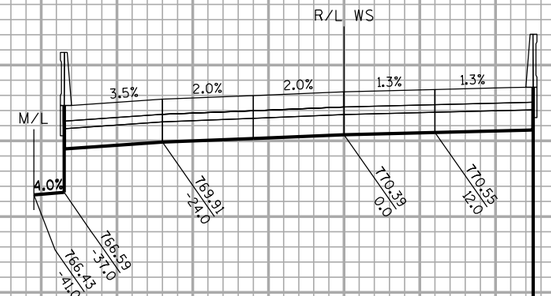
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws19 PLOT SCALE : 20:1

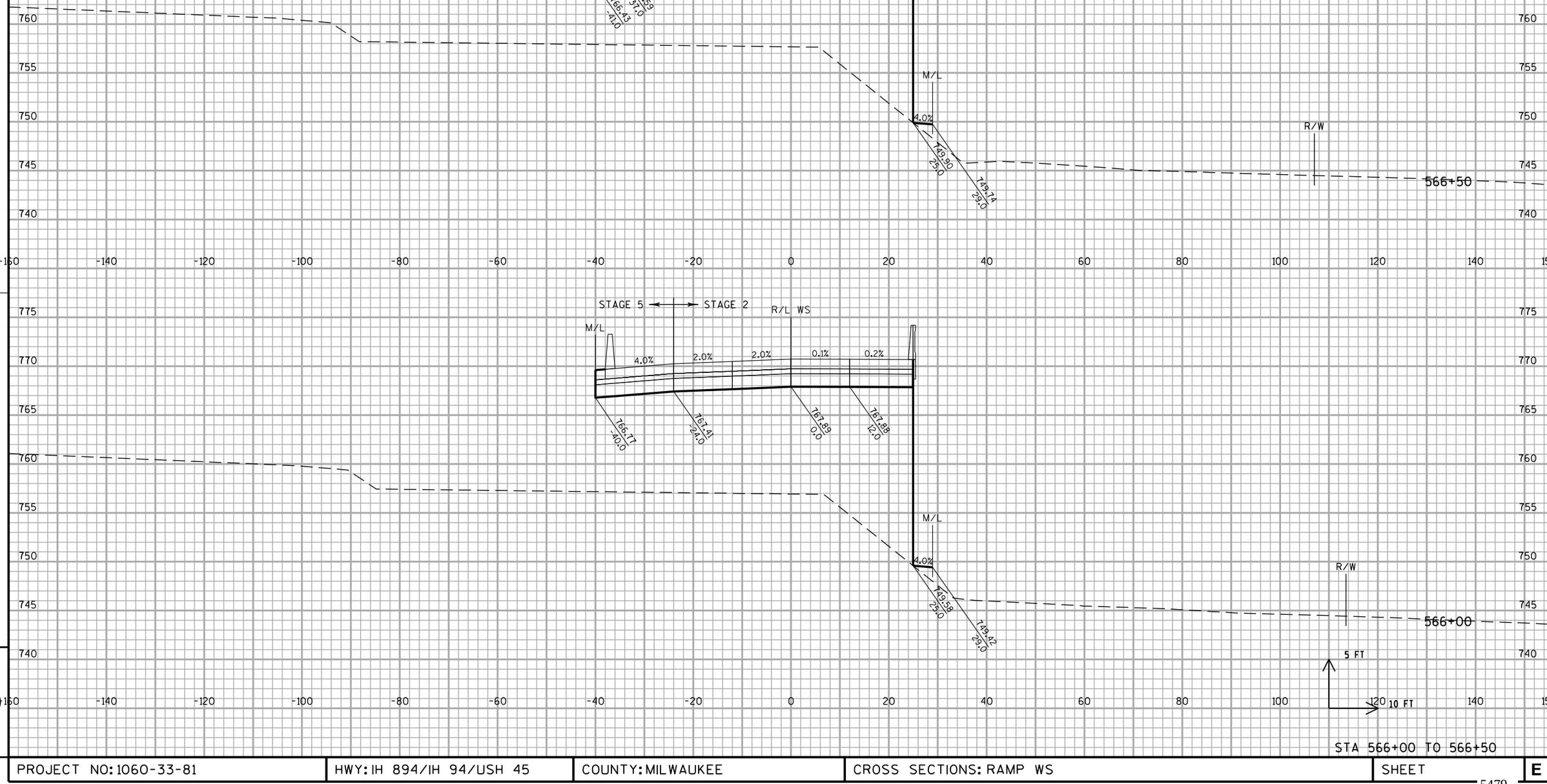


STA 565+00 TO 565+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

STAGE 2



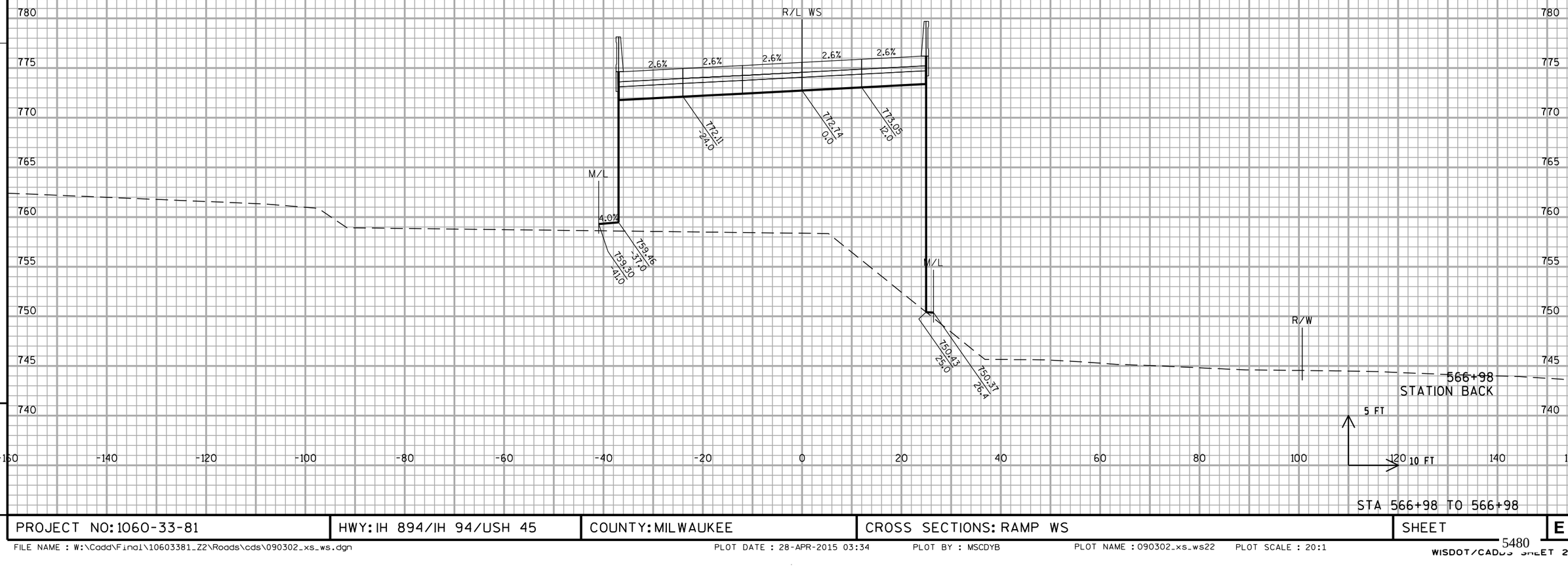


STAGE 5 ← → STAGE 2

STA 566+00 TO 566+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

ALL WORK STAGE 2

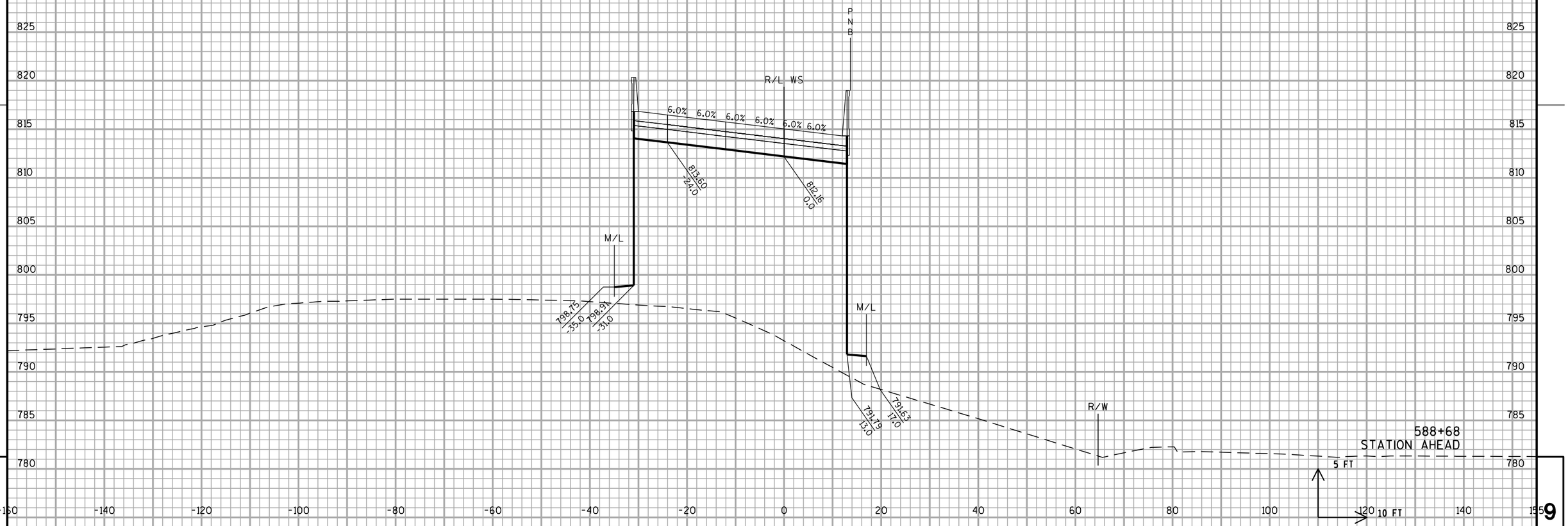


STA 566+98 TO 566+98

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws22 PLOT SCALE : 20:1

ALL WORK STAGE 2



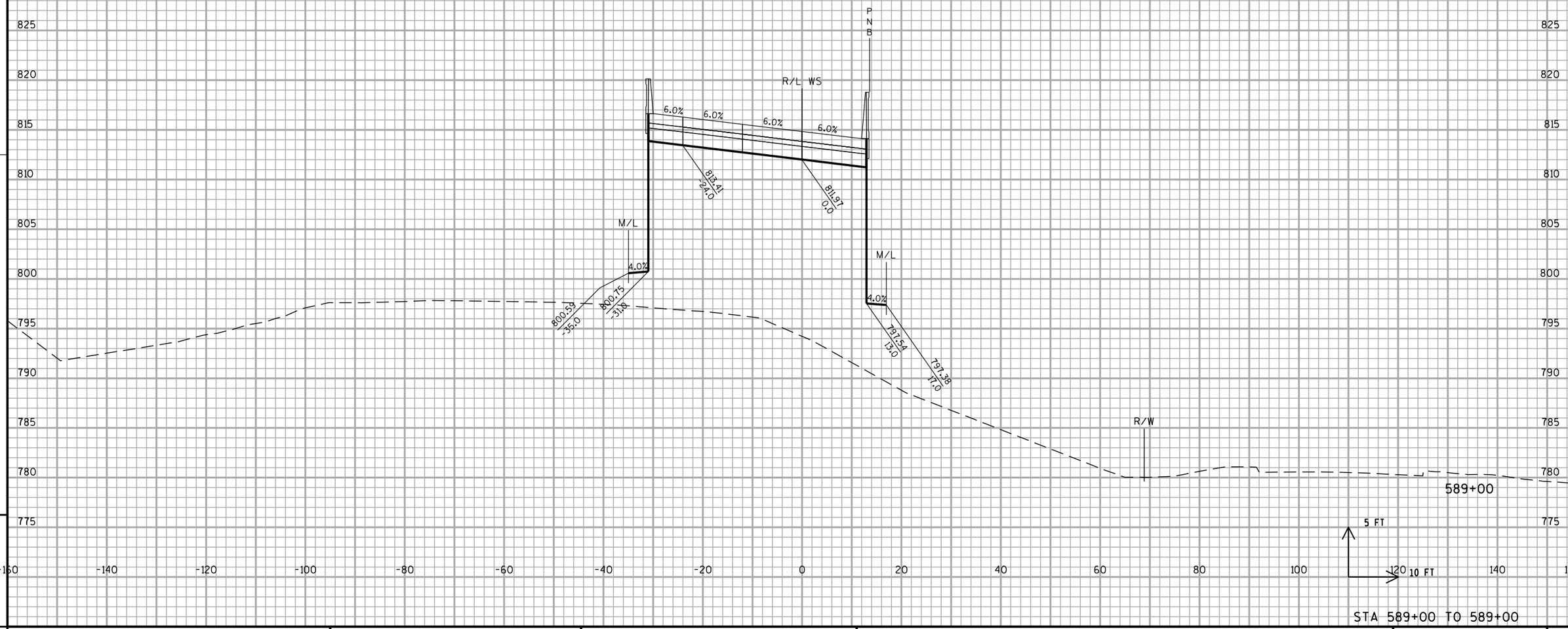
STA 588+68 TO 588+68

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws23 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



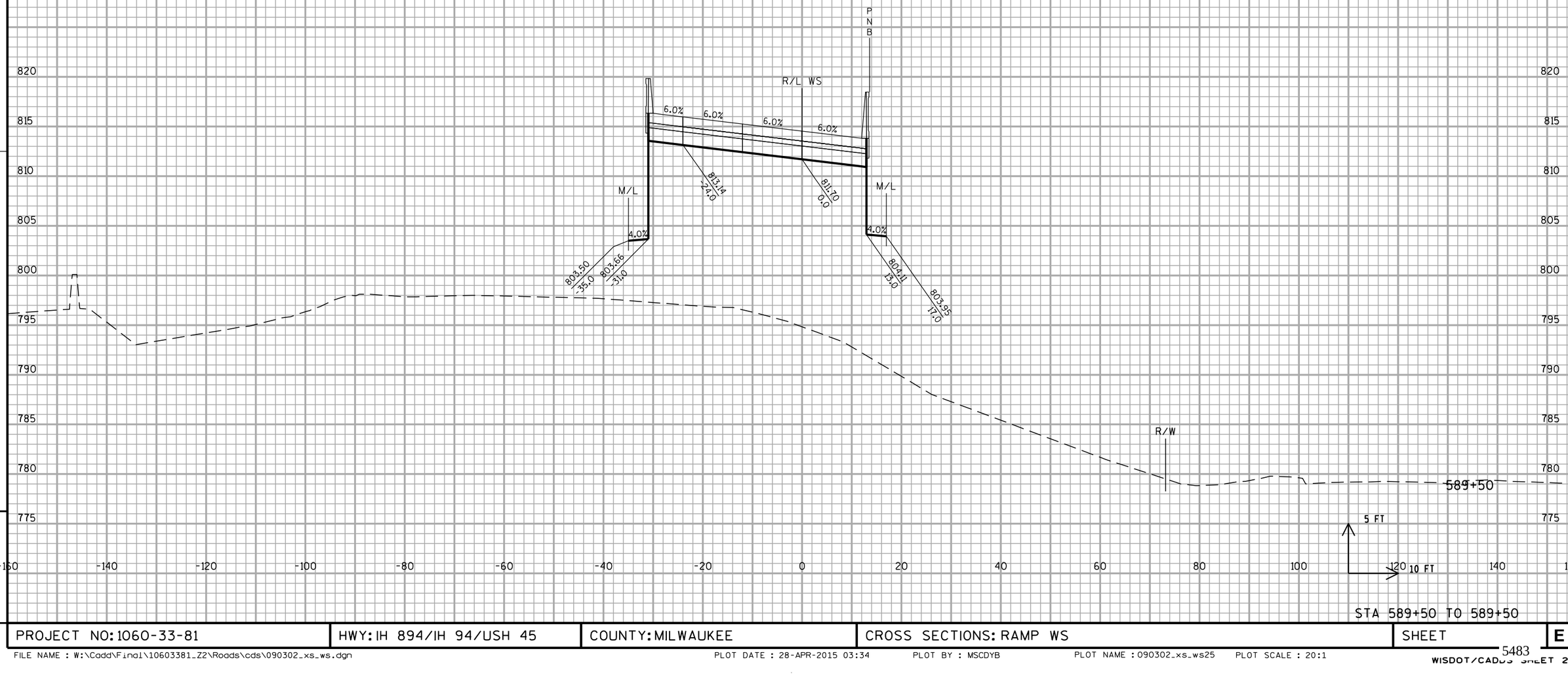
STA 589+00 TO 589+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



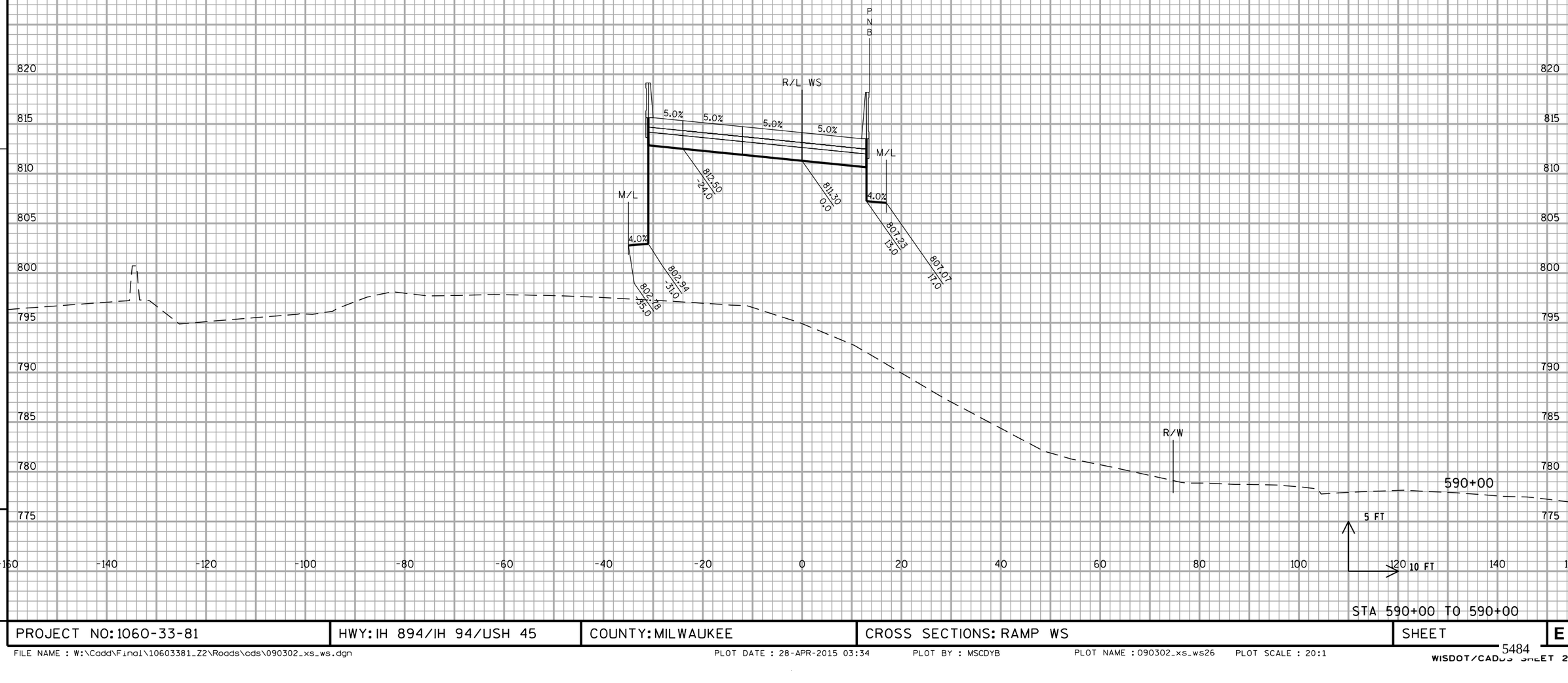
STA 589+50 TO 589+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws25 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



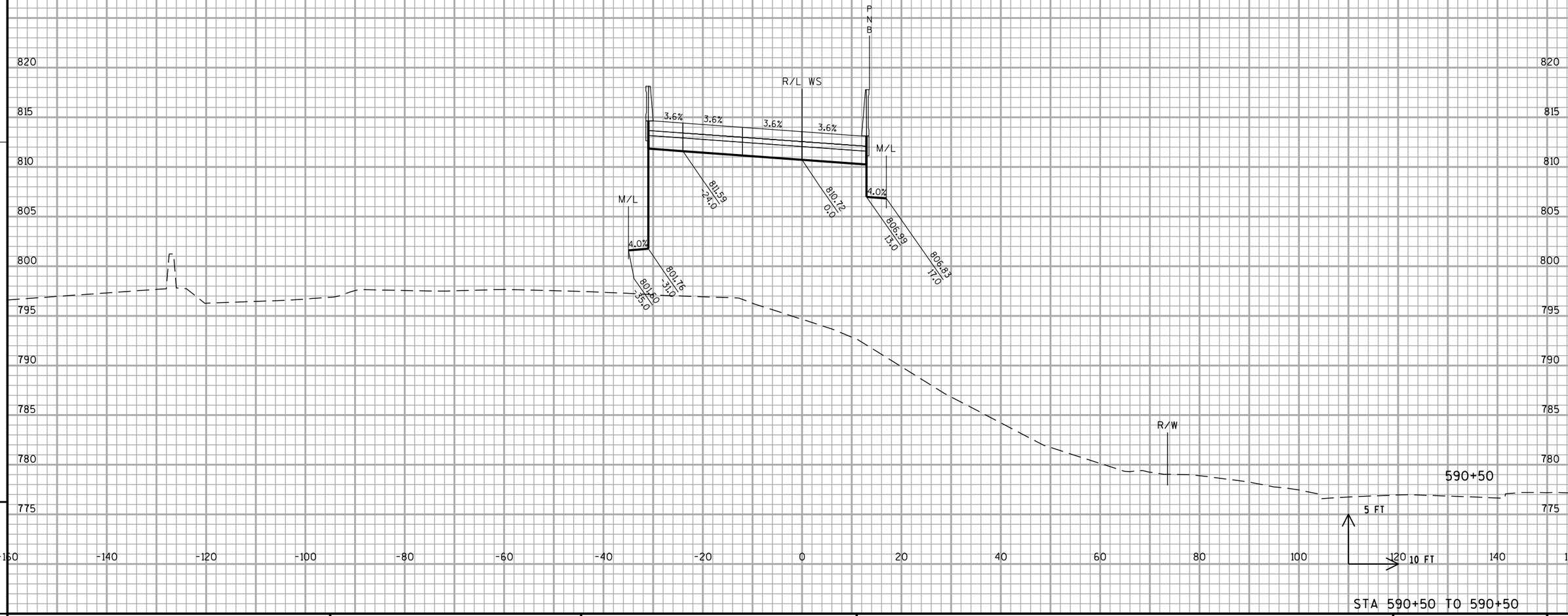
STA 590+00 TO 590+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



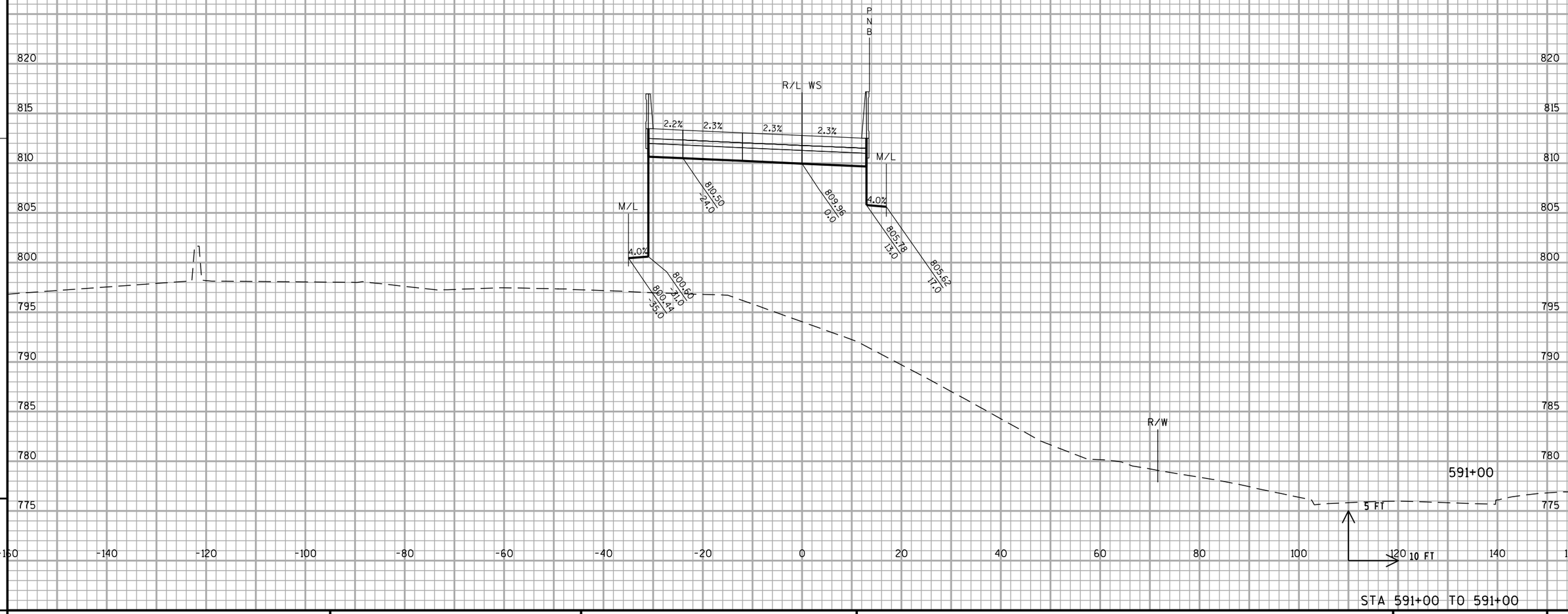
STA 590+50 TO 590+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws27 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

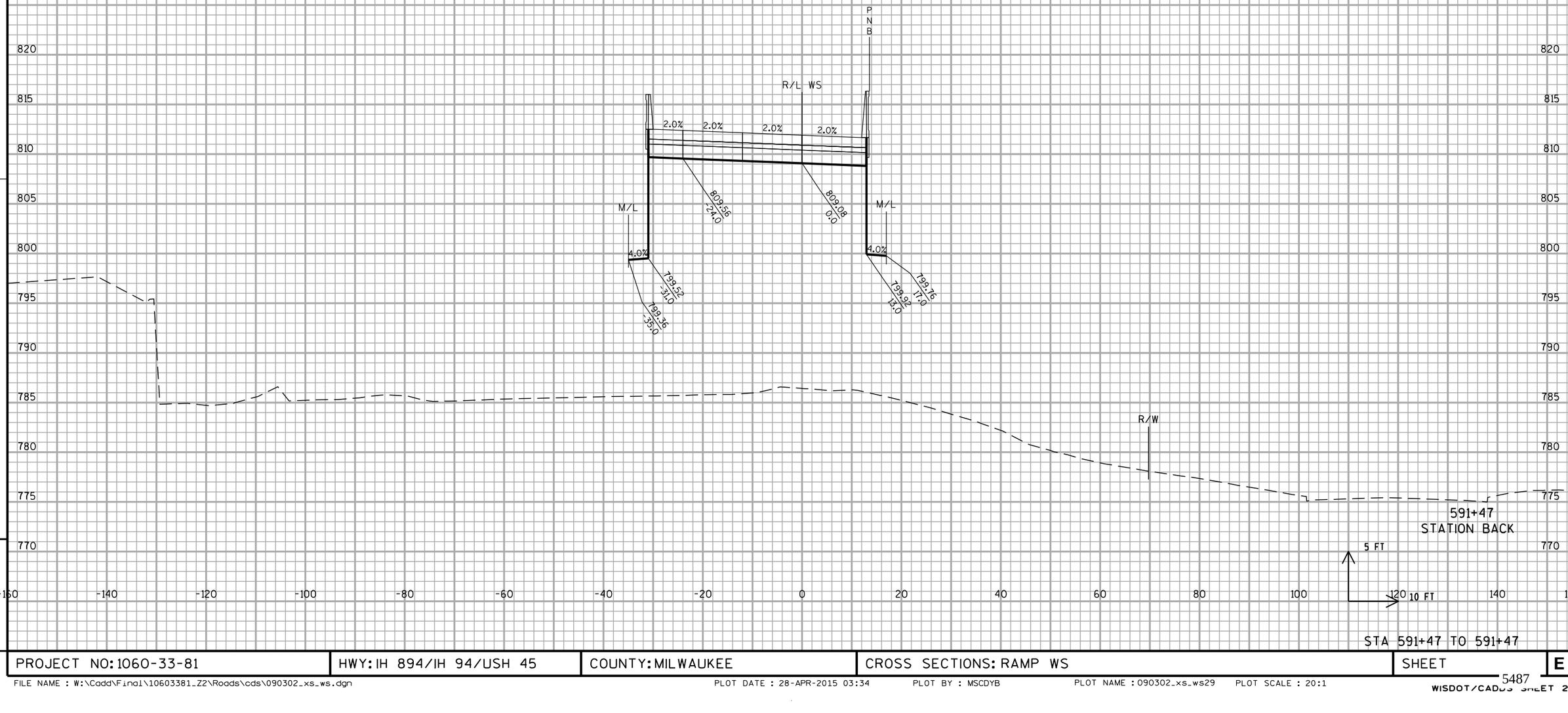


STA 591+00 TO 591+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws28 PLOT SCALE : 20:1

ALL WORK STAGE 2



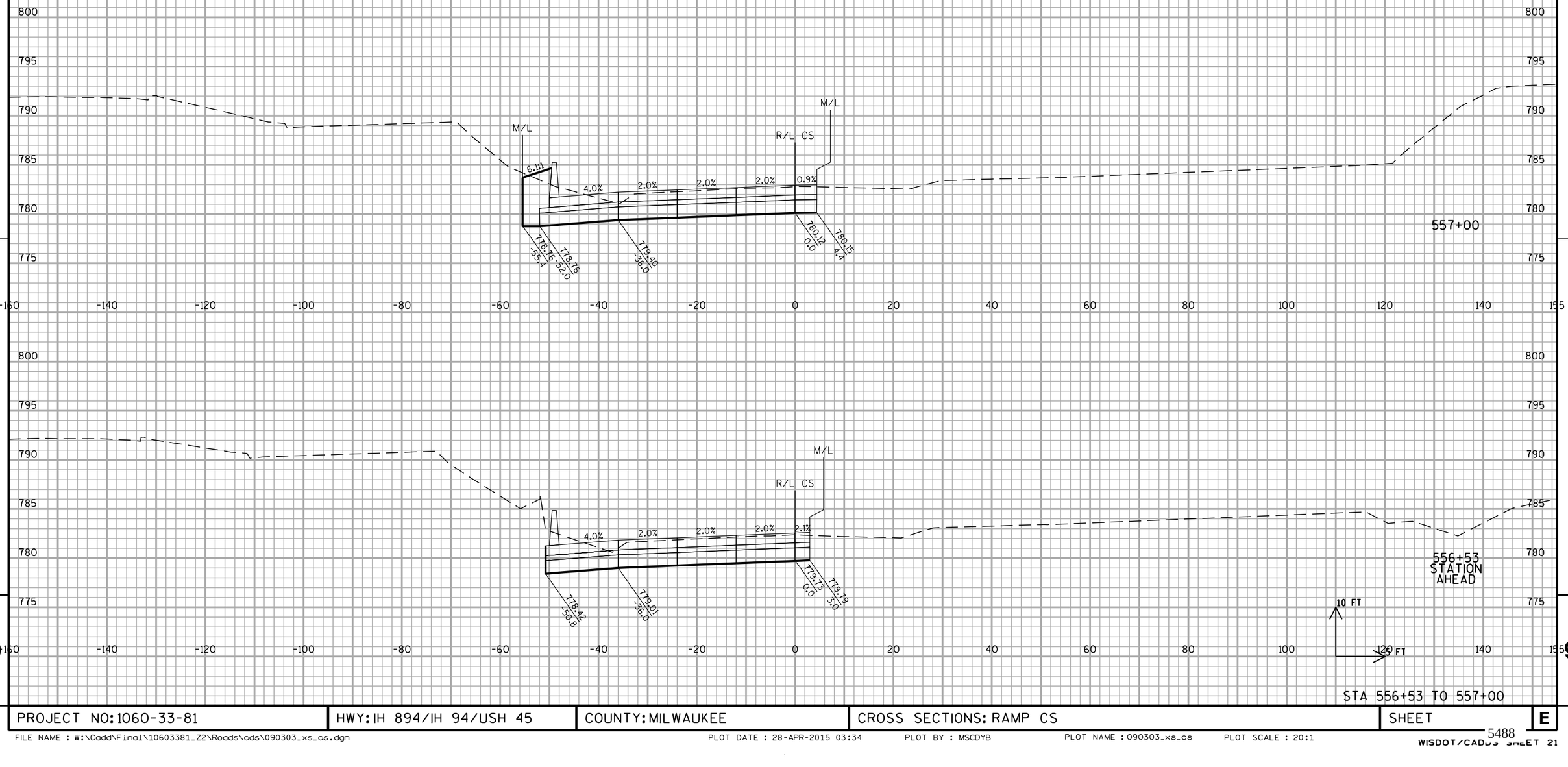
STA 591+47 TO 591+47

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090302_xs_ws.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090302_xs_ws29 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 556+53 TO 557+00

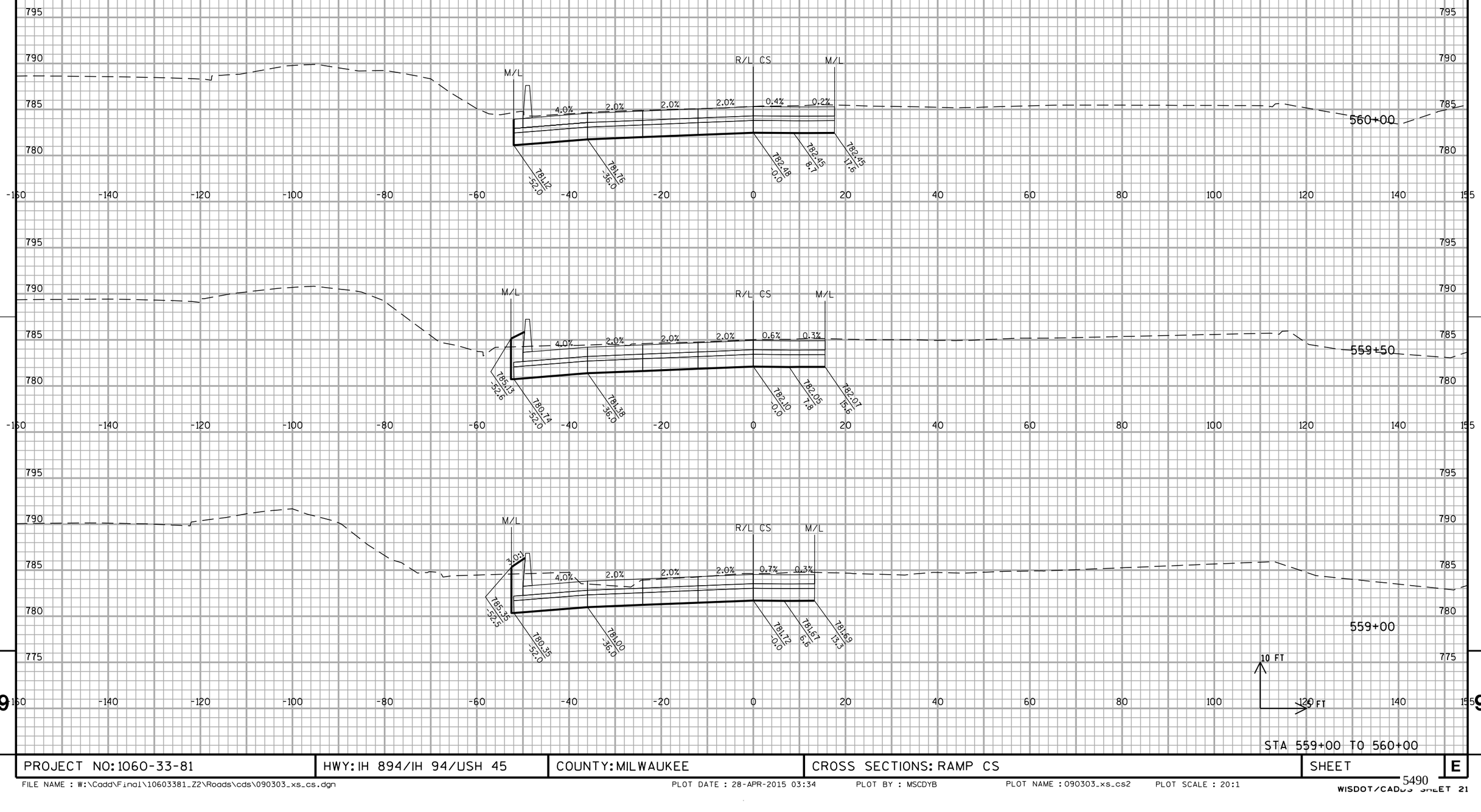
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

ALL WORK STAGE 6

STA 557+50 TO 558+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

ALL WORK STAGE 6



STA 559+00 TO 560+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

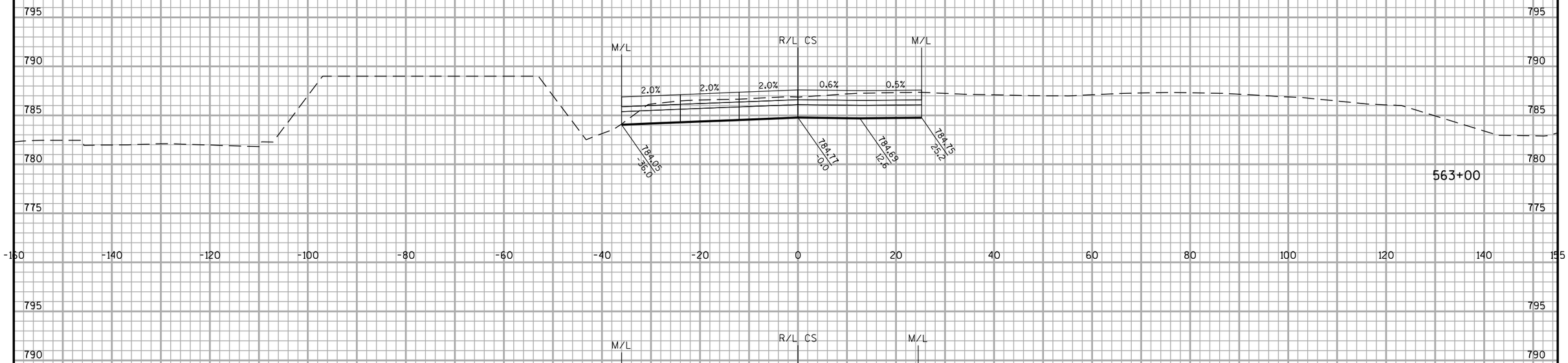
ALL WORK STAGE 6

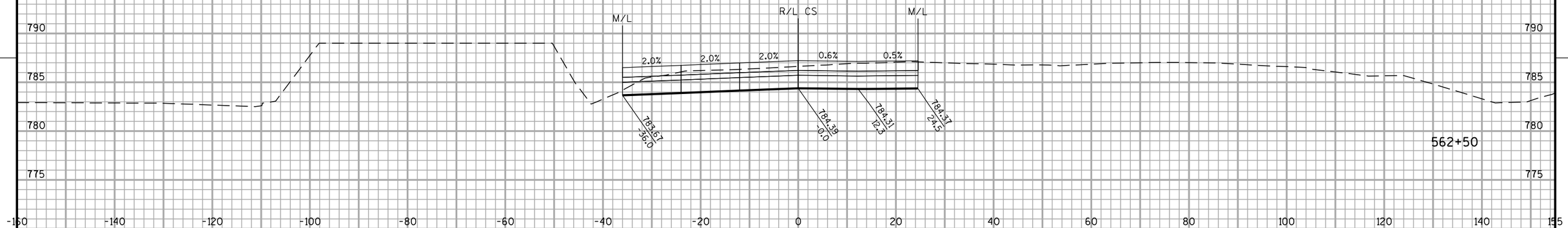
STA 560+50 TO 561+50

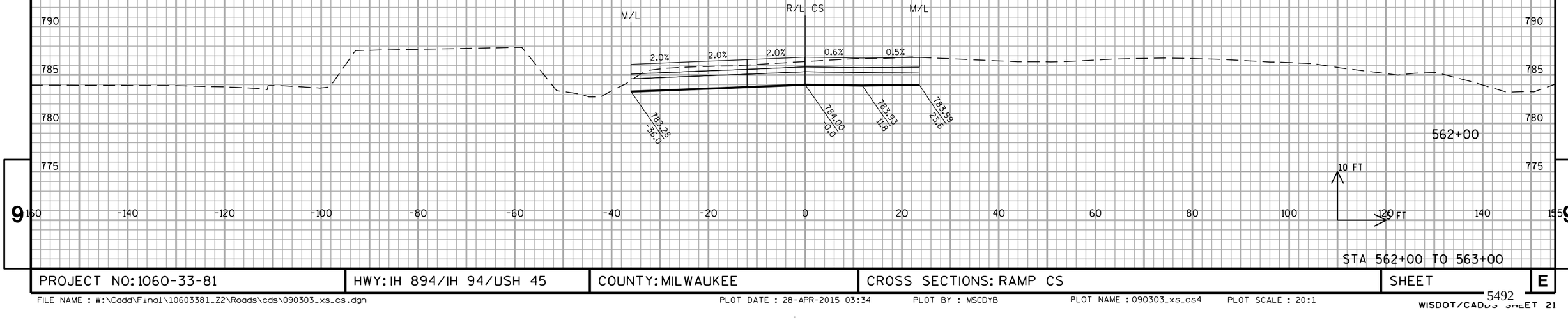
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs3 PLOT SCALE : 20:1

ALL WORK STAGE 6





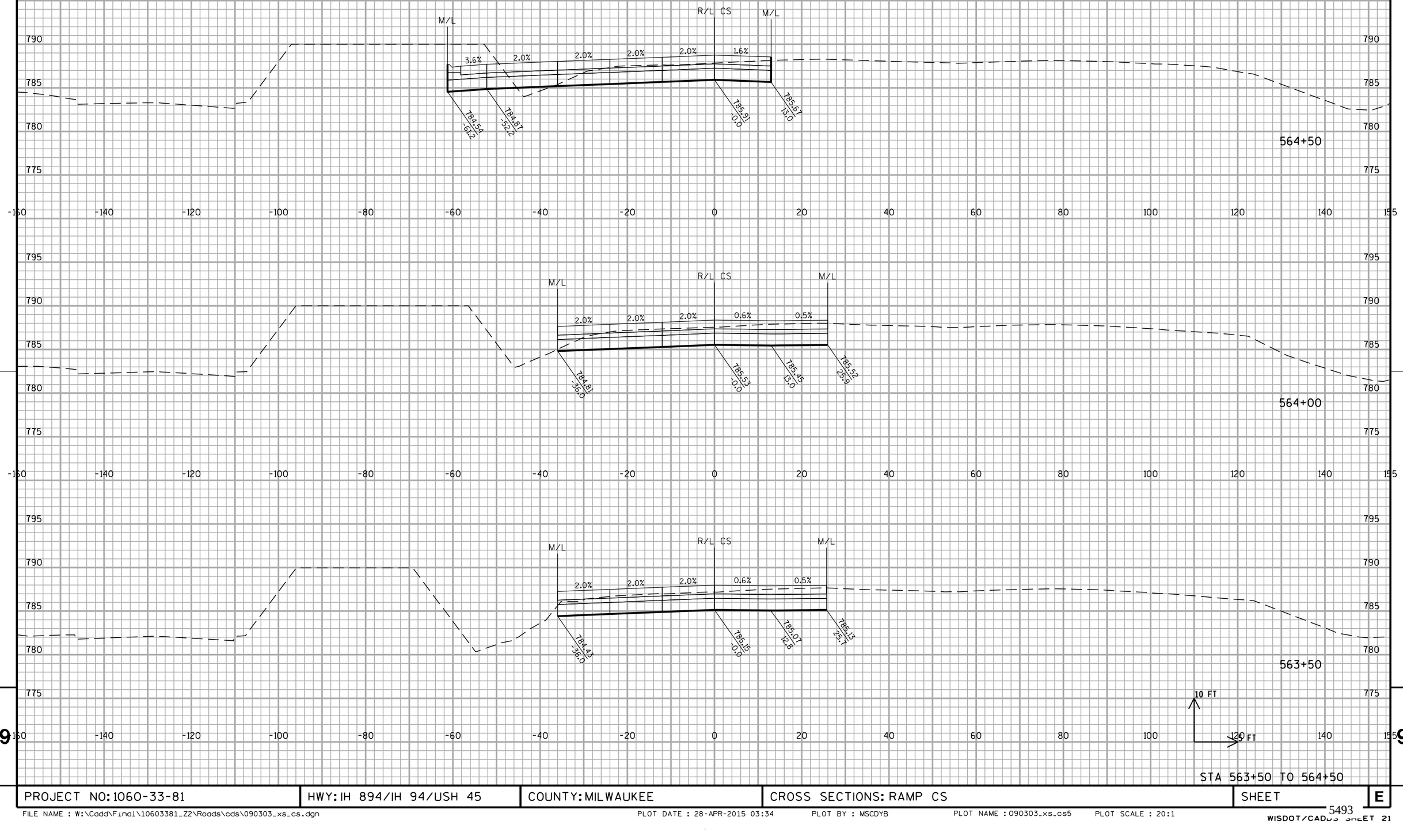


STA 562+00 TO 563+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs4 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 563+50 TO 564+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs5 PLOT SCALE : 20:1

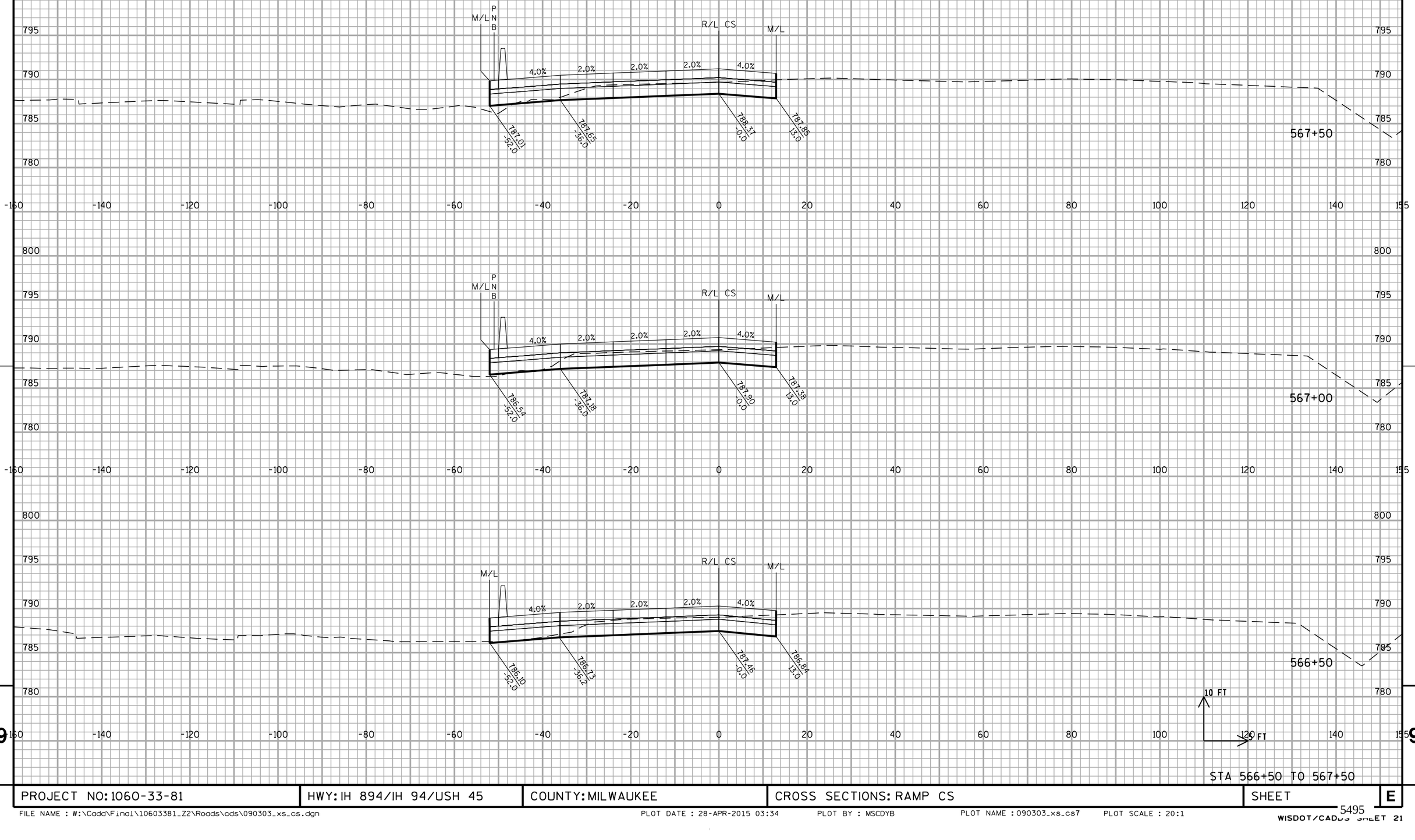
ALL WORK STAGE 6

STA 565+00 TO 566+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs6 PLOT SCALE : 20:1

ALL WORK STAGE 6

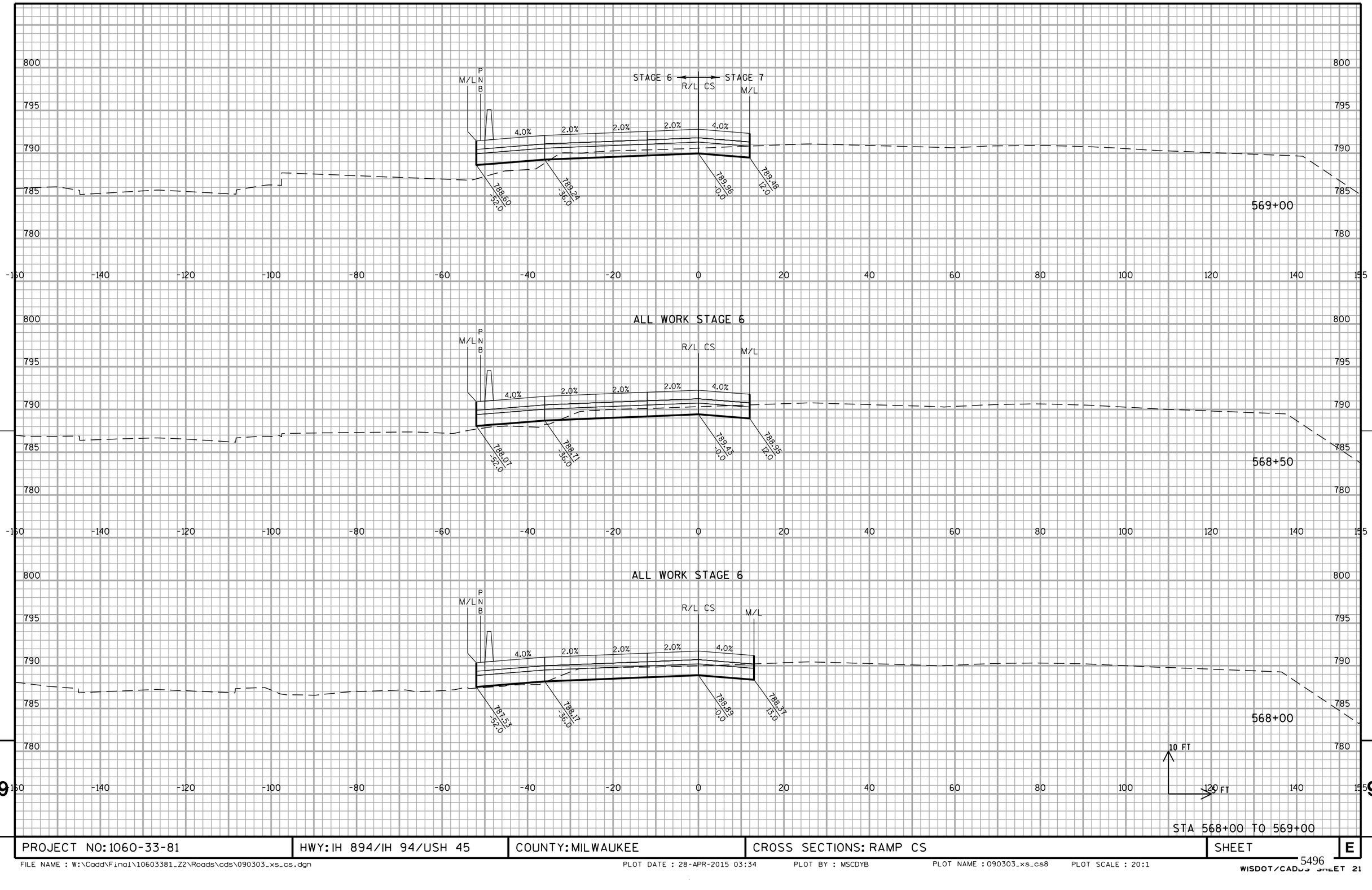


STA 566+50 TO 567+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs7 PLOT SCALE : 20:1

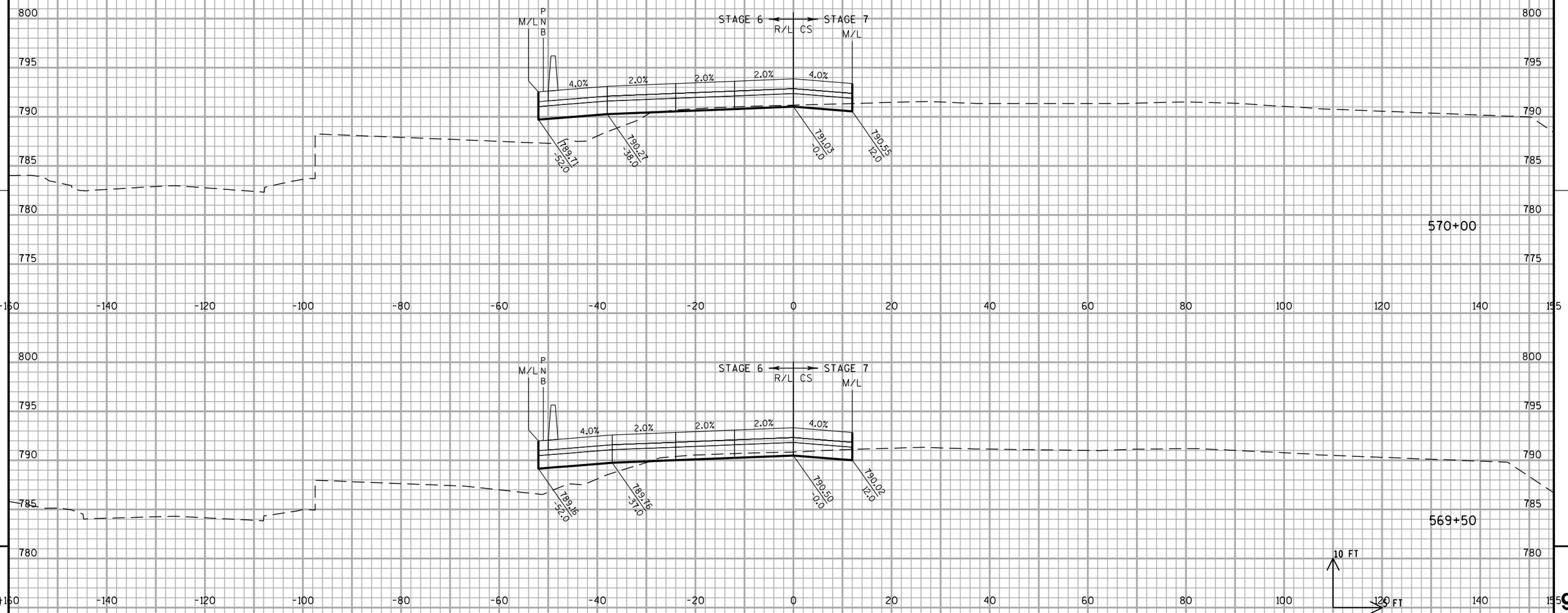
WISDOT/CADDS SHEET 21



STA 568+00 TO 569+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

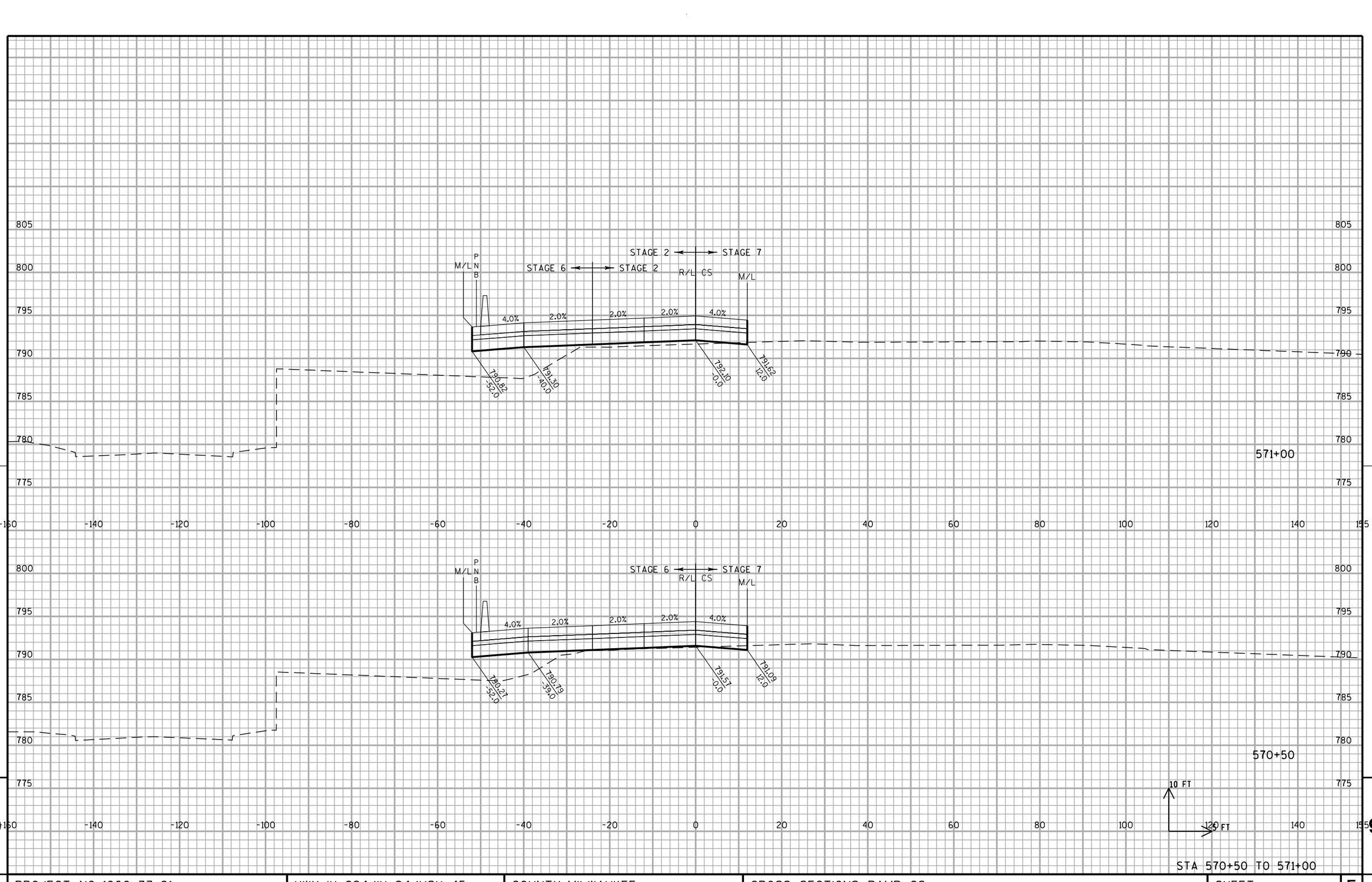
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs8 PLOT SCALE : 20:1



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

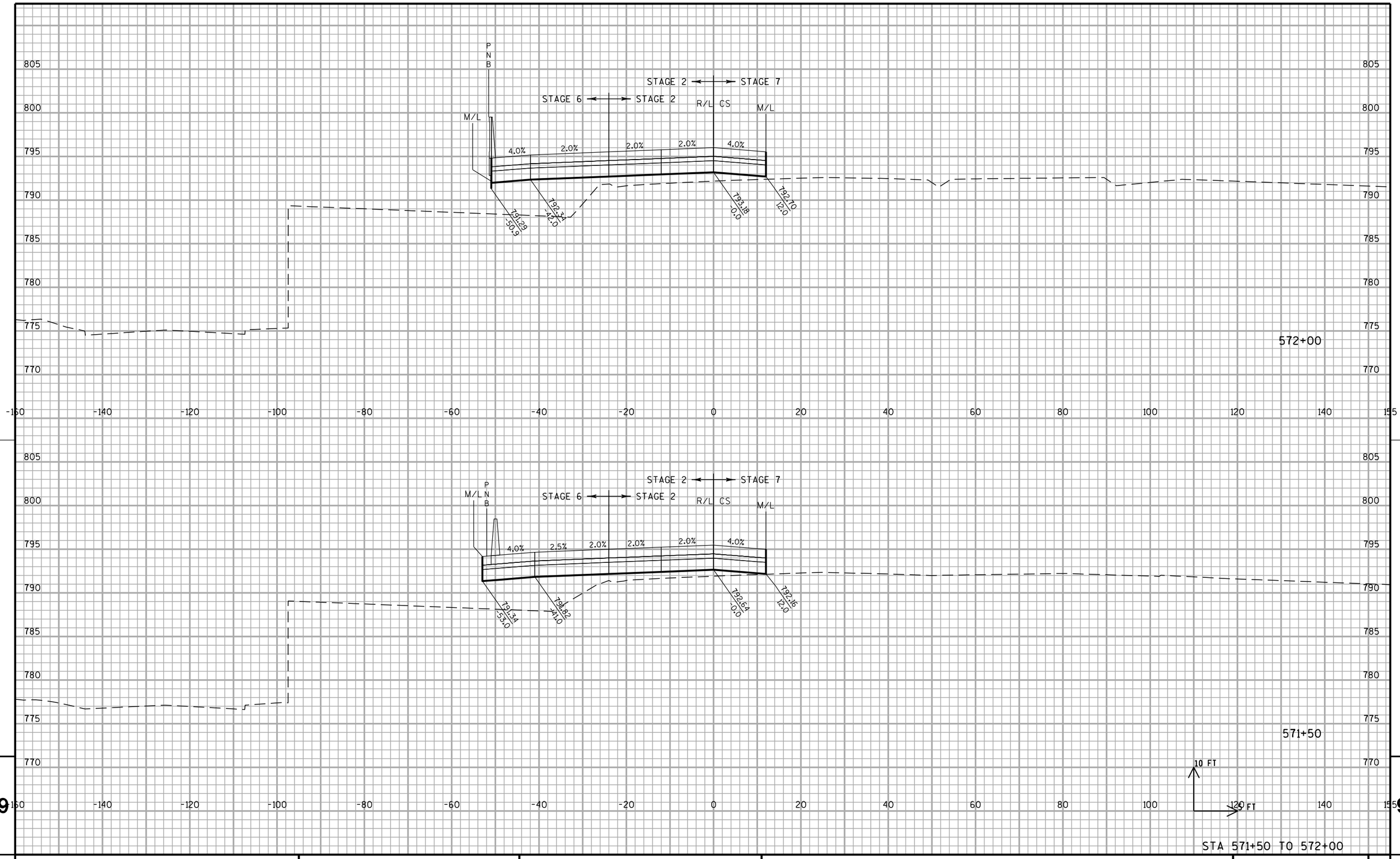
STA 569+50 TO 570+00



STA 570+50 TO 571+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

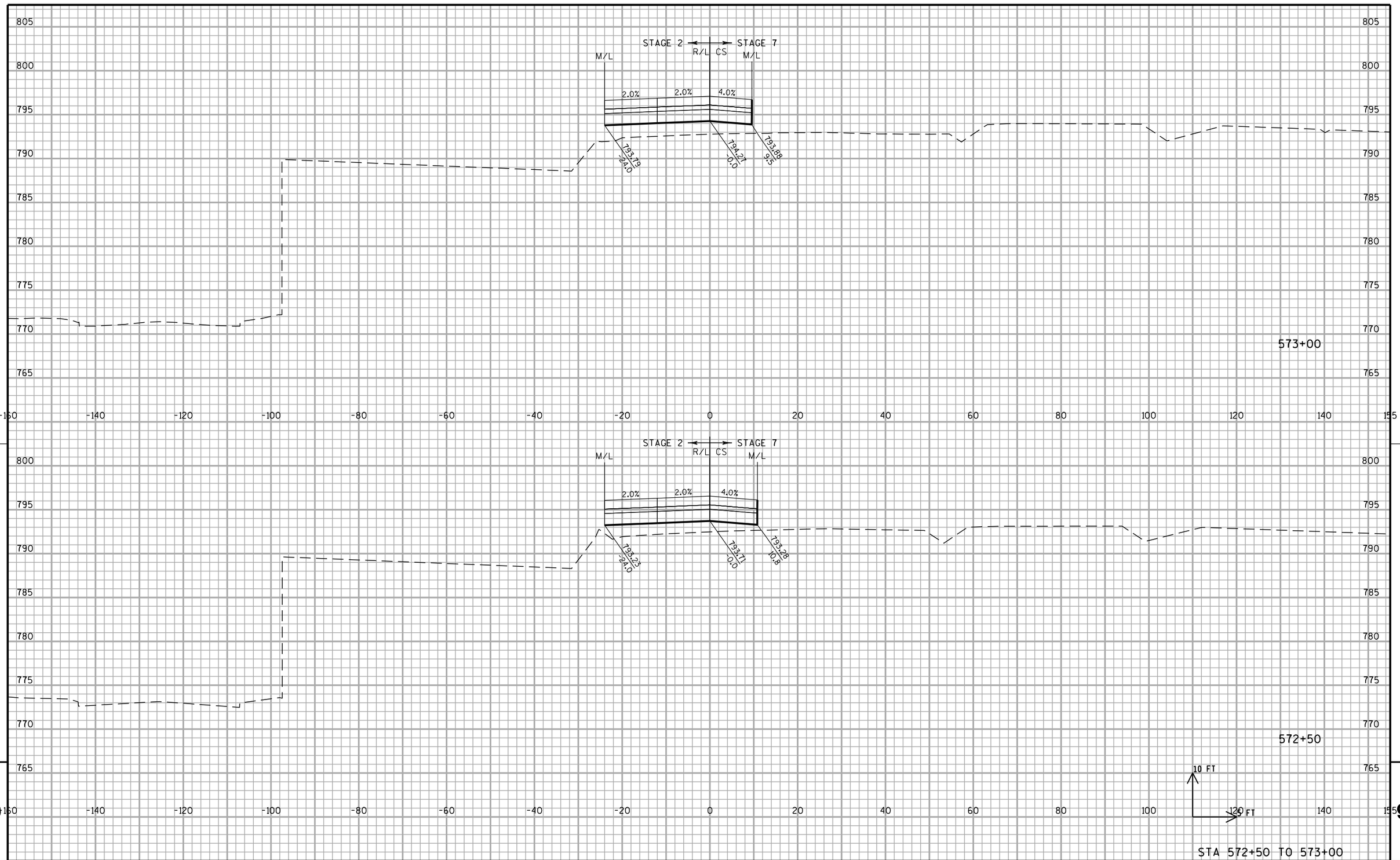
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs10 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

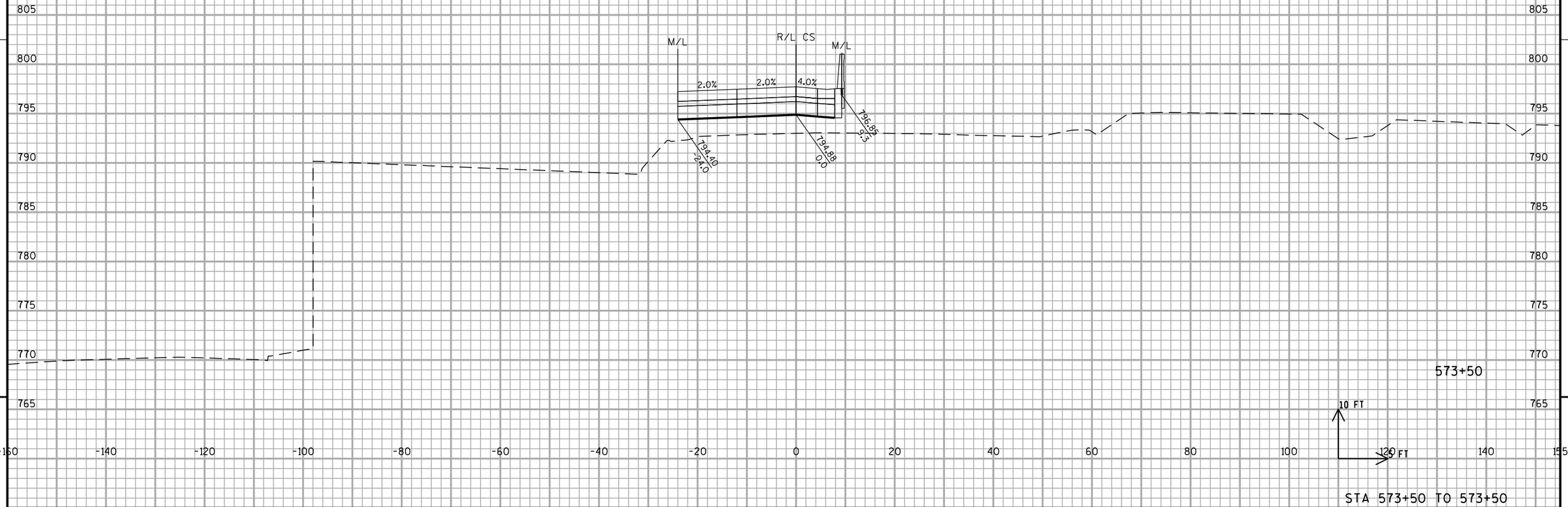


STA 572+50 TO 573+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs12 PLOT SCALE : 20:1

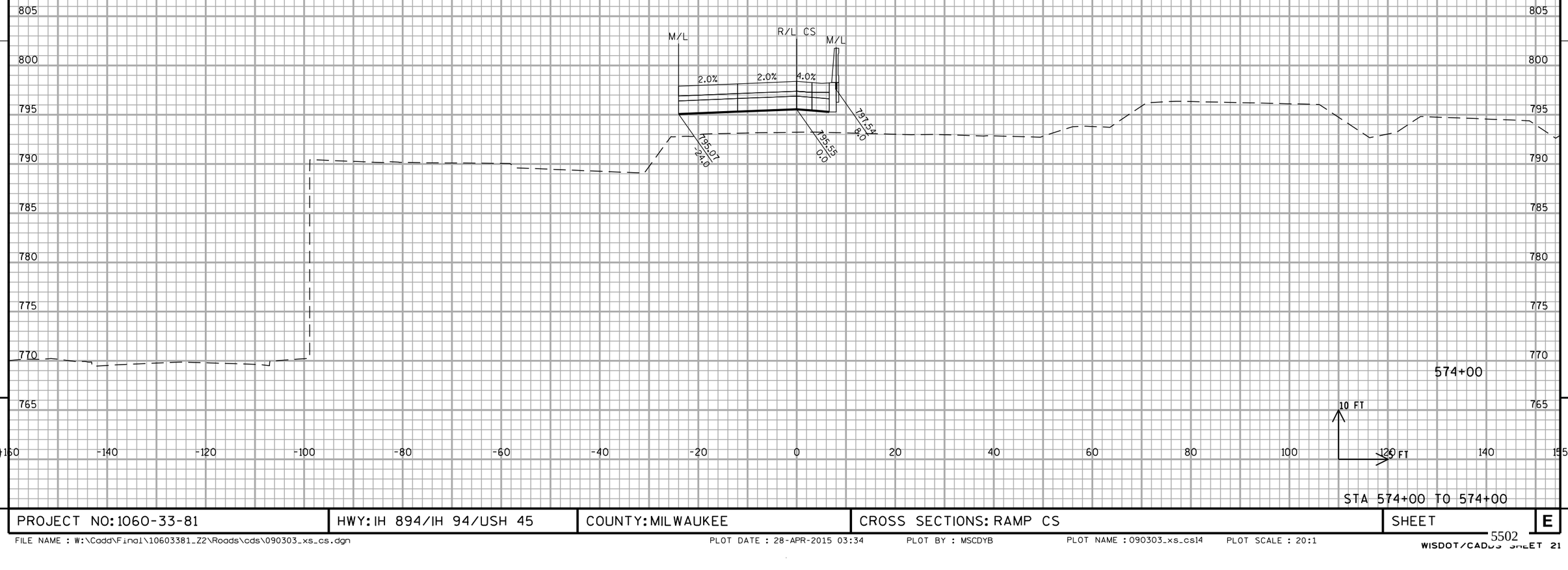
ALL WORK STAGE 2



STA 573+50 TO 573+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

ALL WORK STAGE 2



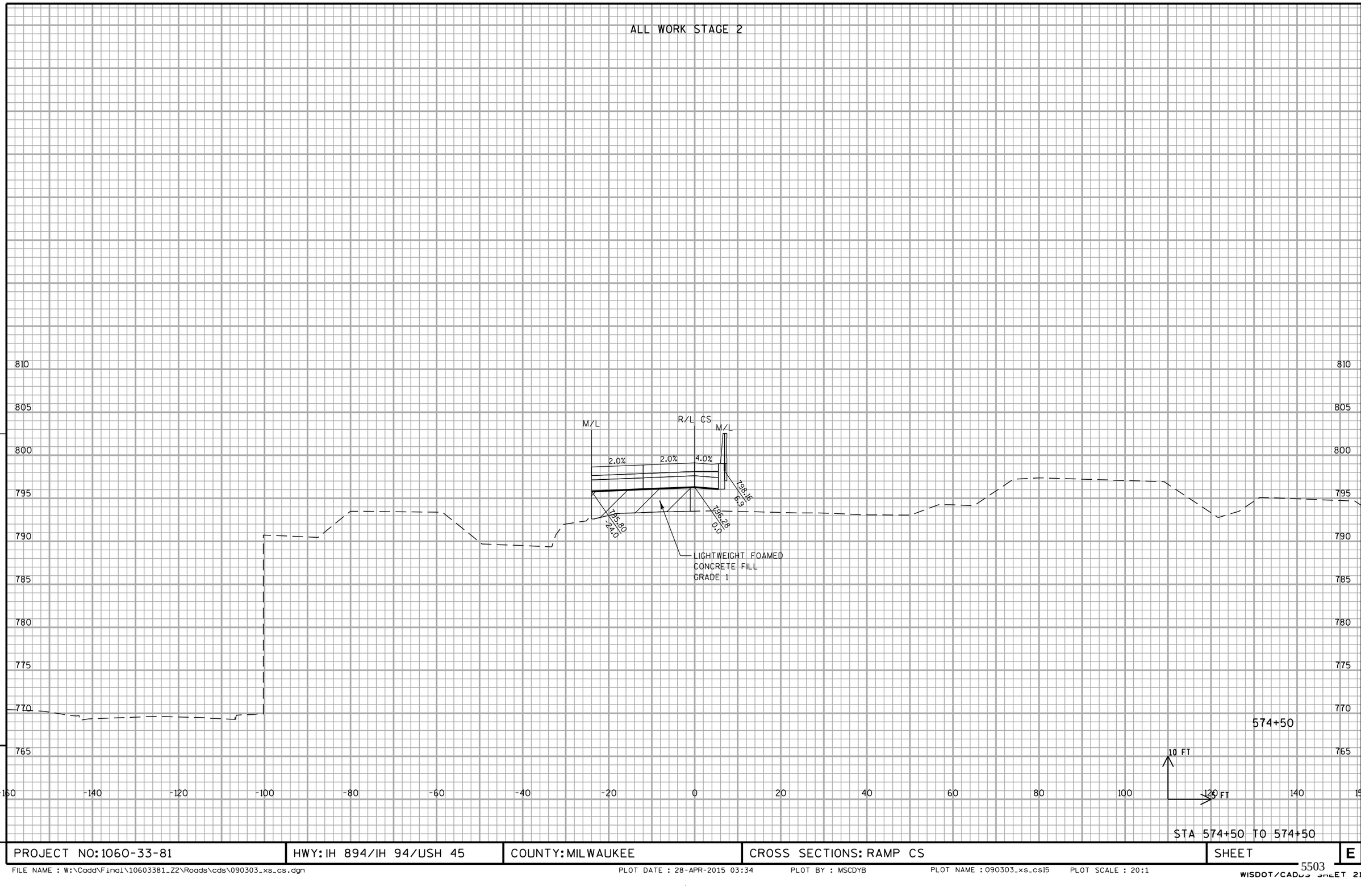
STA 574+00 TO 574+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs14 PLOT SCALE : 20:1

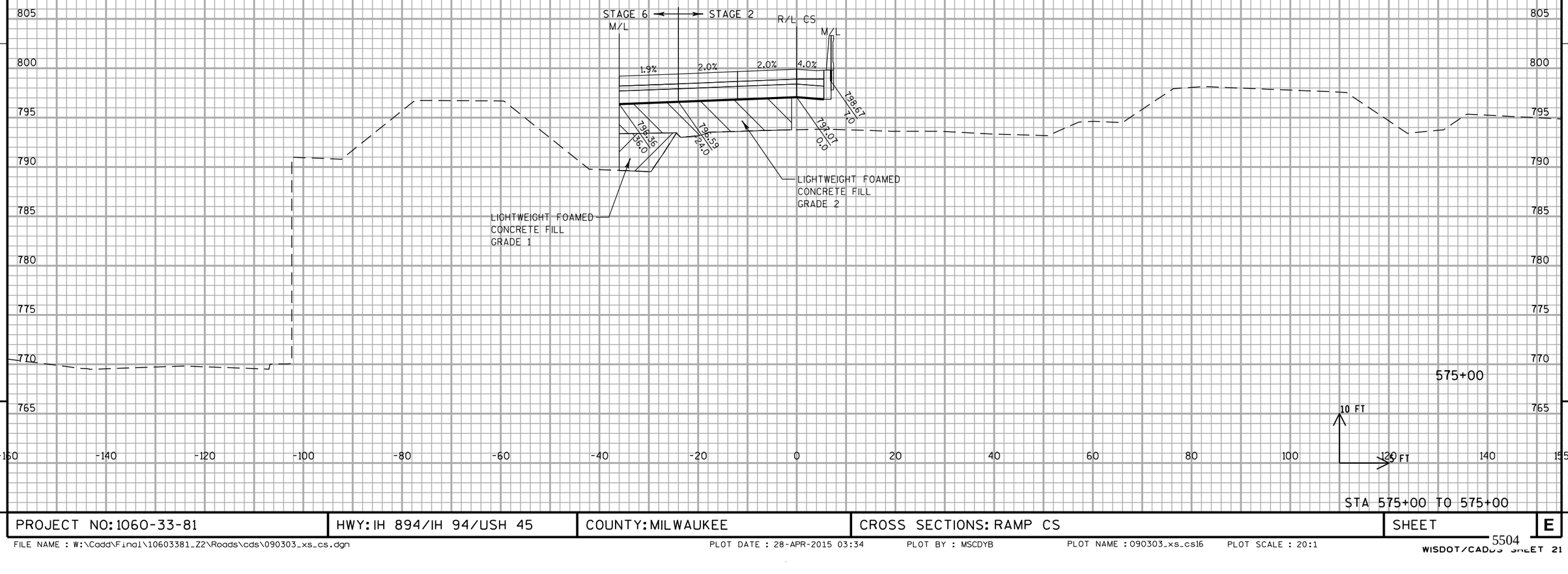
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 574+50 TO 574+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E



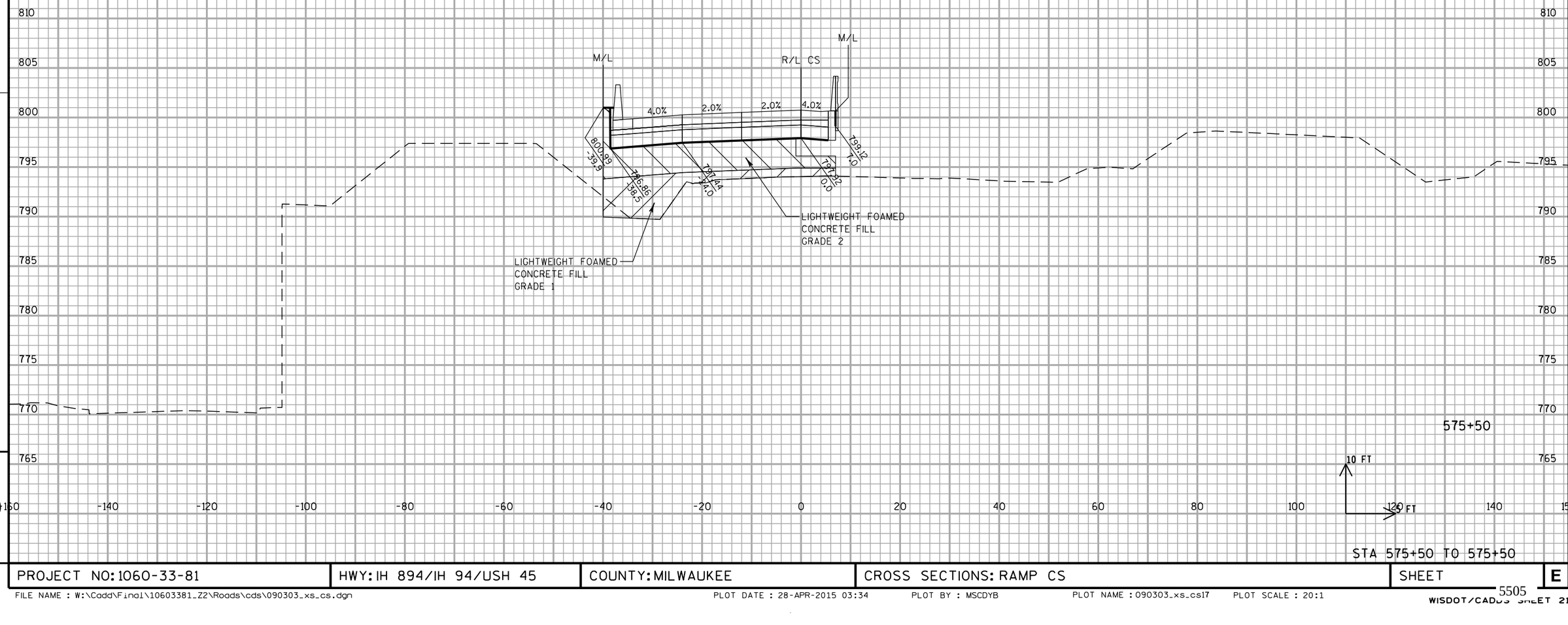
STA 575+00 TO 575+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

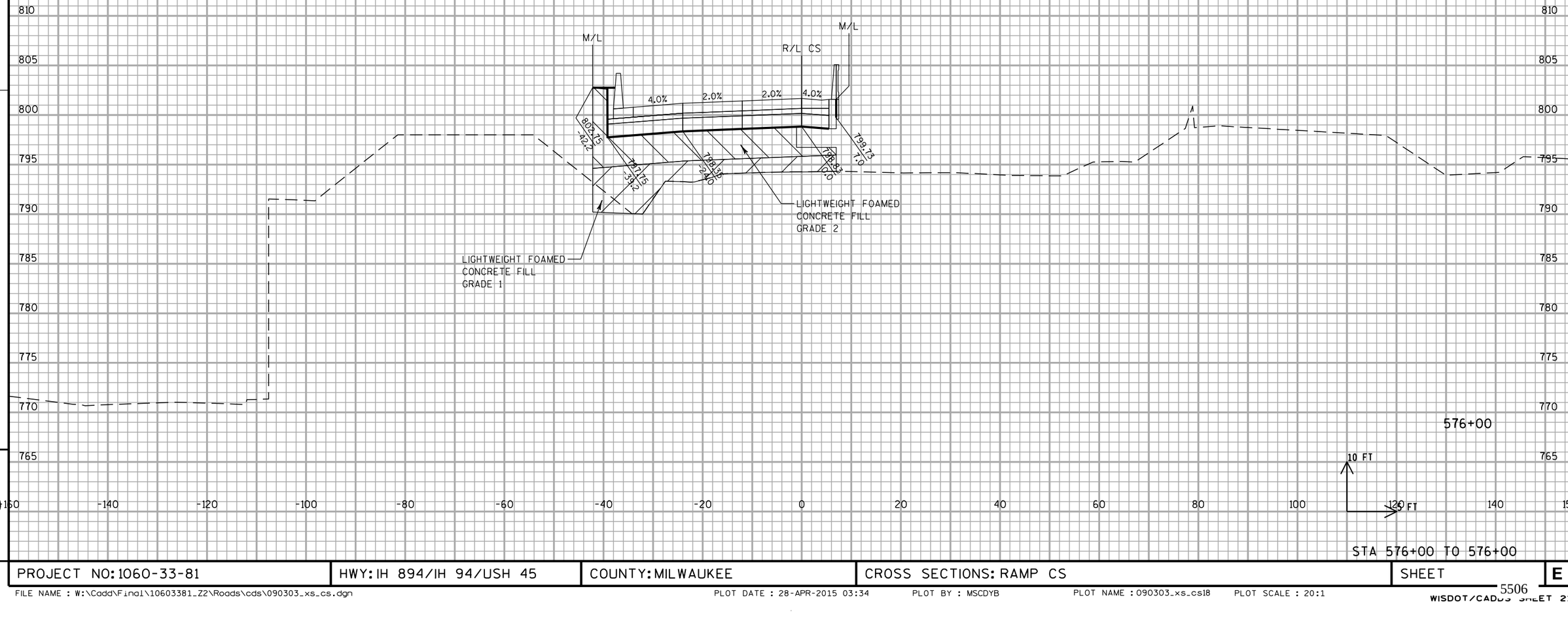
ALL WORK STAGE 2



STA 575+50 TO 575+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

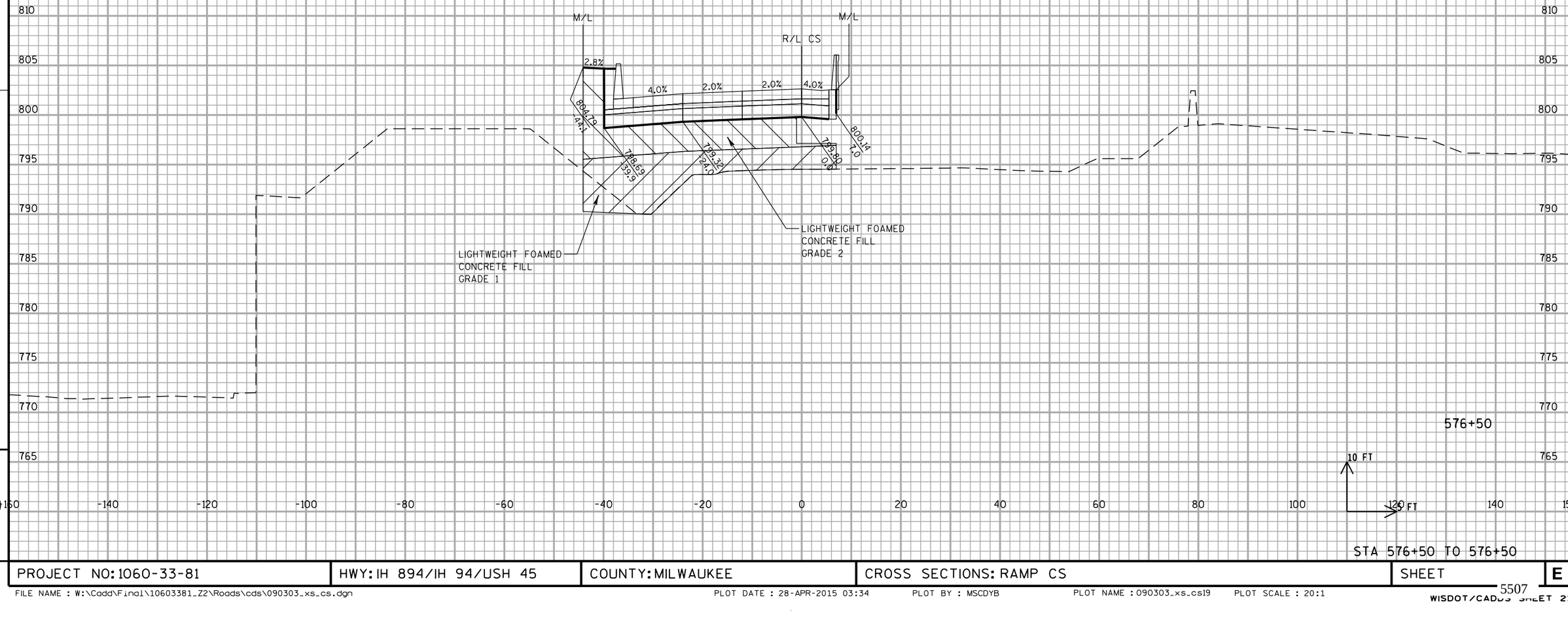
ALL WORK STAGE 2



STA 576+00 TO 576+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

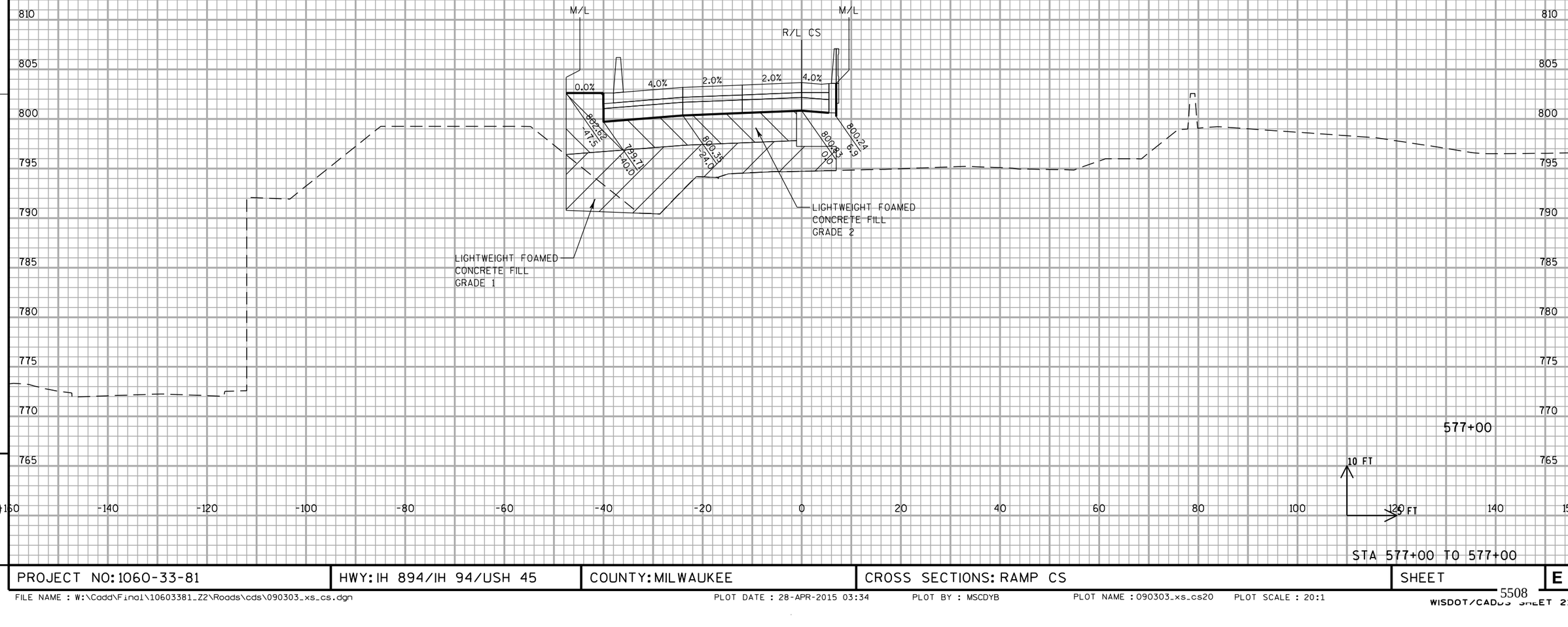
ALL WORK STAGE 2



STA 576+50 TO 576+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

ALL WORK STAGE 2

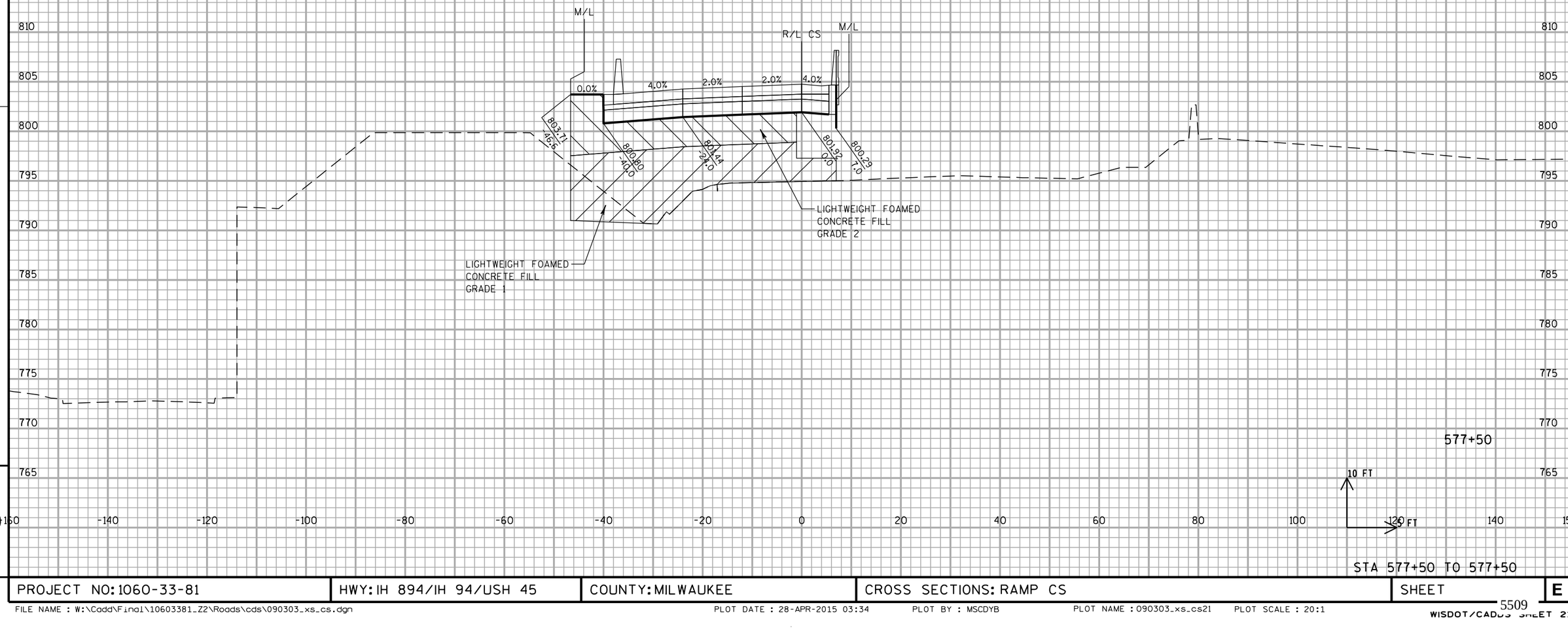


STA 577+00 TO 577+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs20 PLOT SCALE : 20:1

ALL WORK STAGE 2



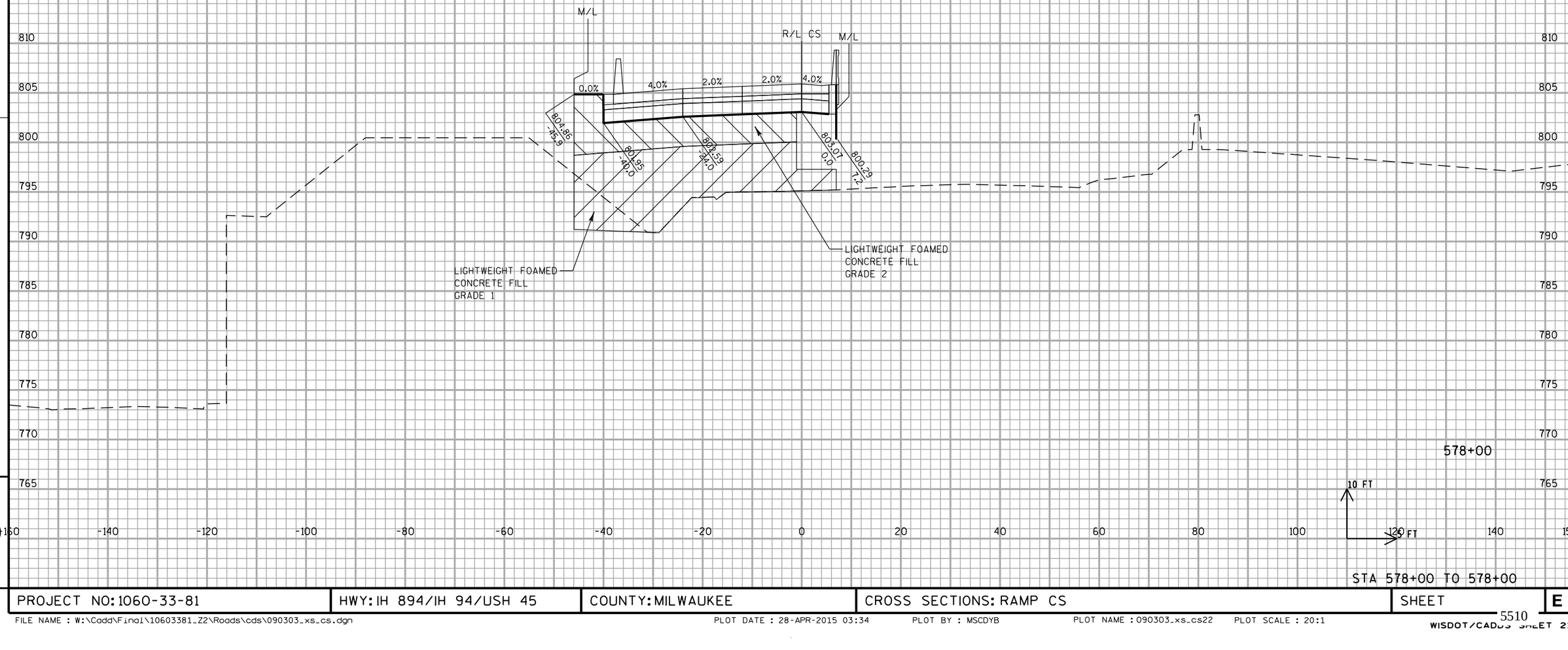
STA 577+50 TO 577+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

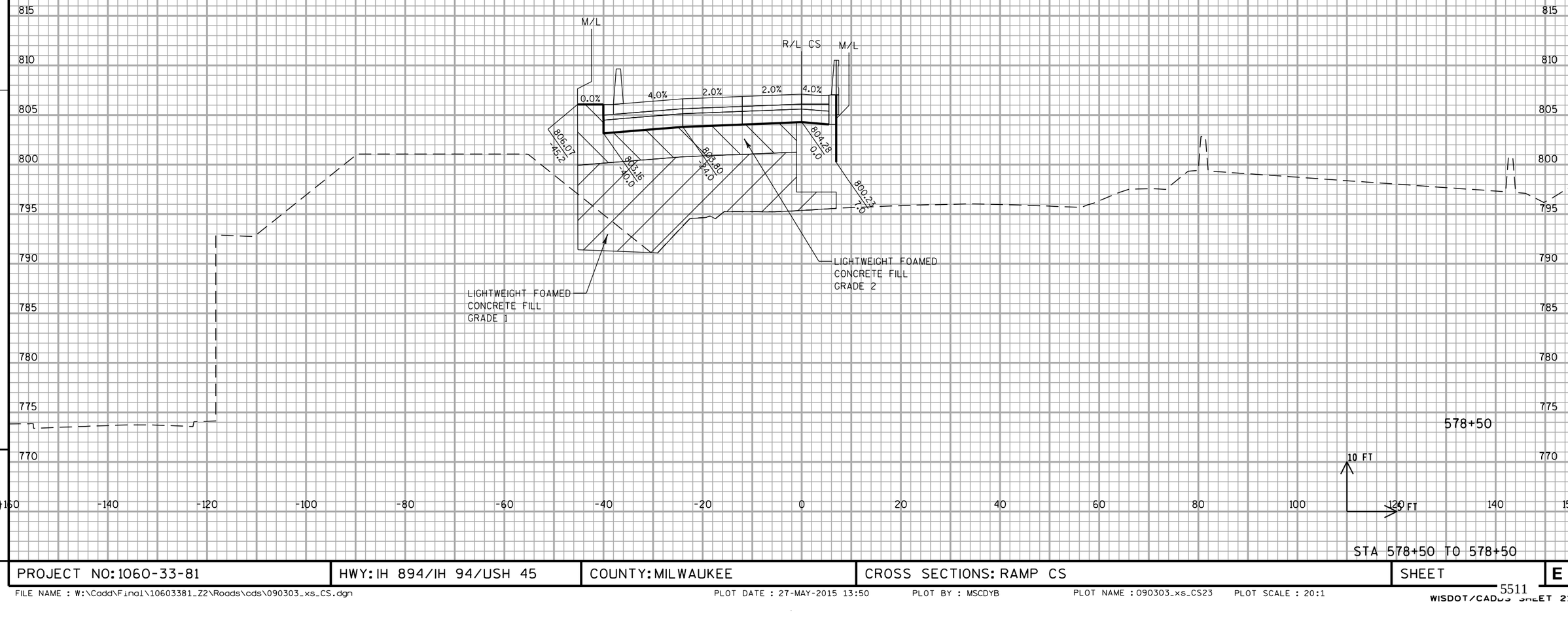
ALL WORK STAGE 2



STA 578+00 TO 578+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

ALL WORK STAGE 2



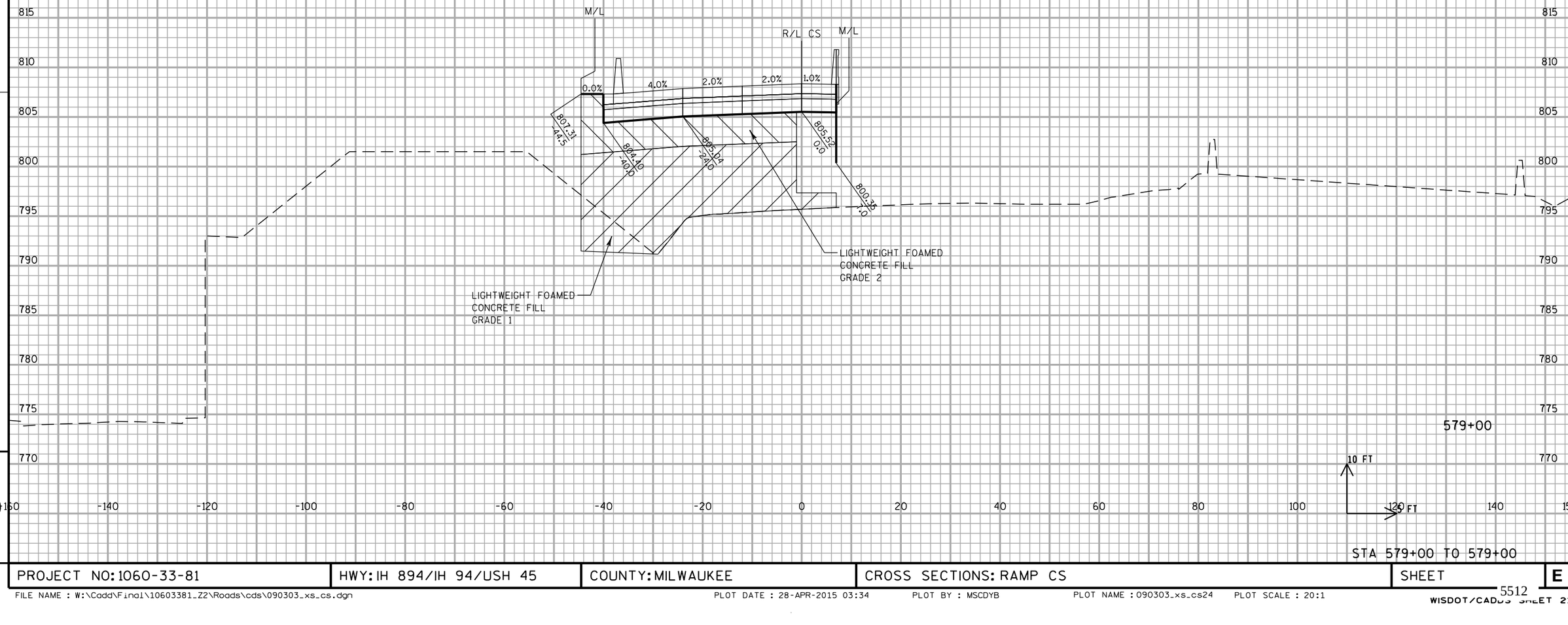
STA 578+50 TO 578+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_CS.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090303_xs_CS23 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

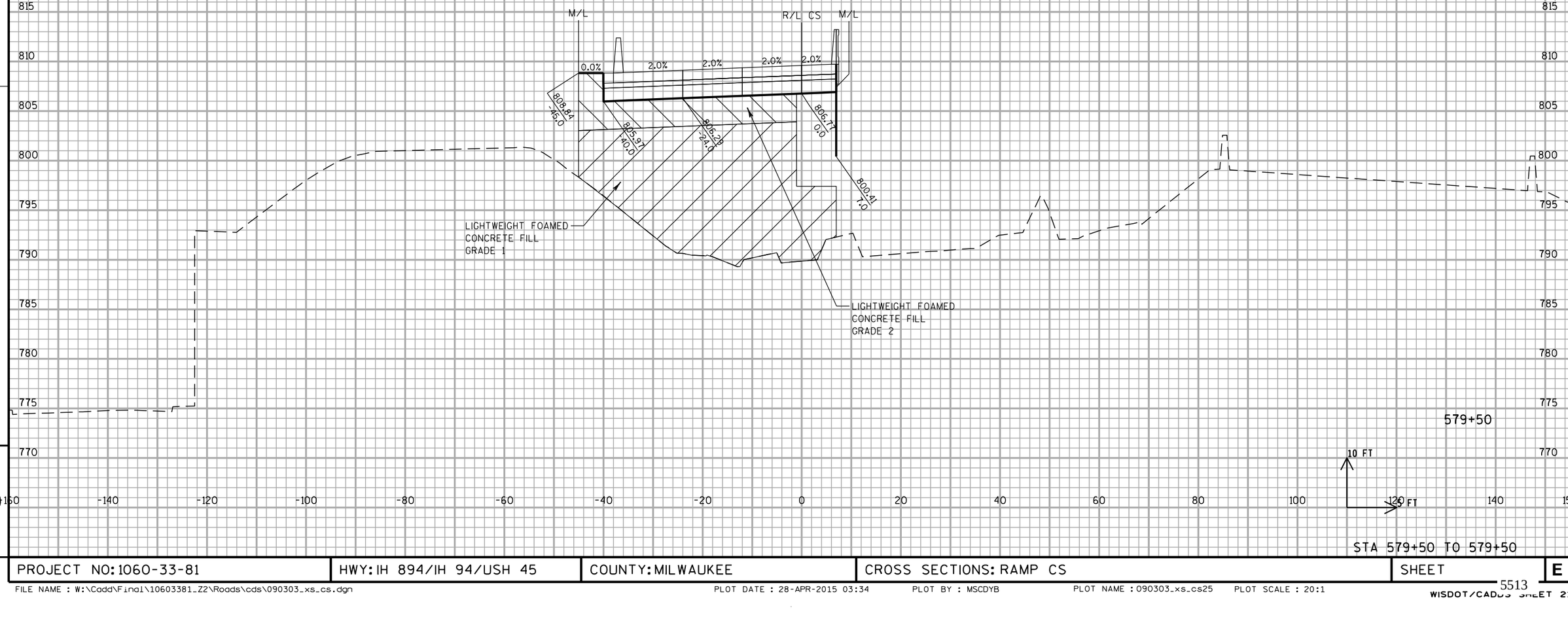


STA 579+00 TO 579+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090303_xs_cs.dgn PLOT DATE : 28-APR-2015 03:34 PLOT BY : MSCDYB PLOT NAME : 090303_xs_cs24 PLOT SCALE : 20:1

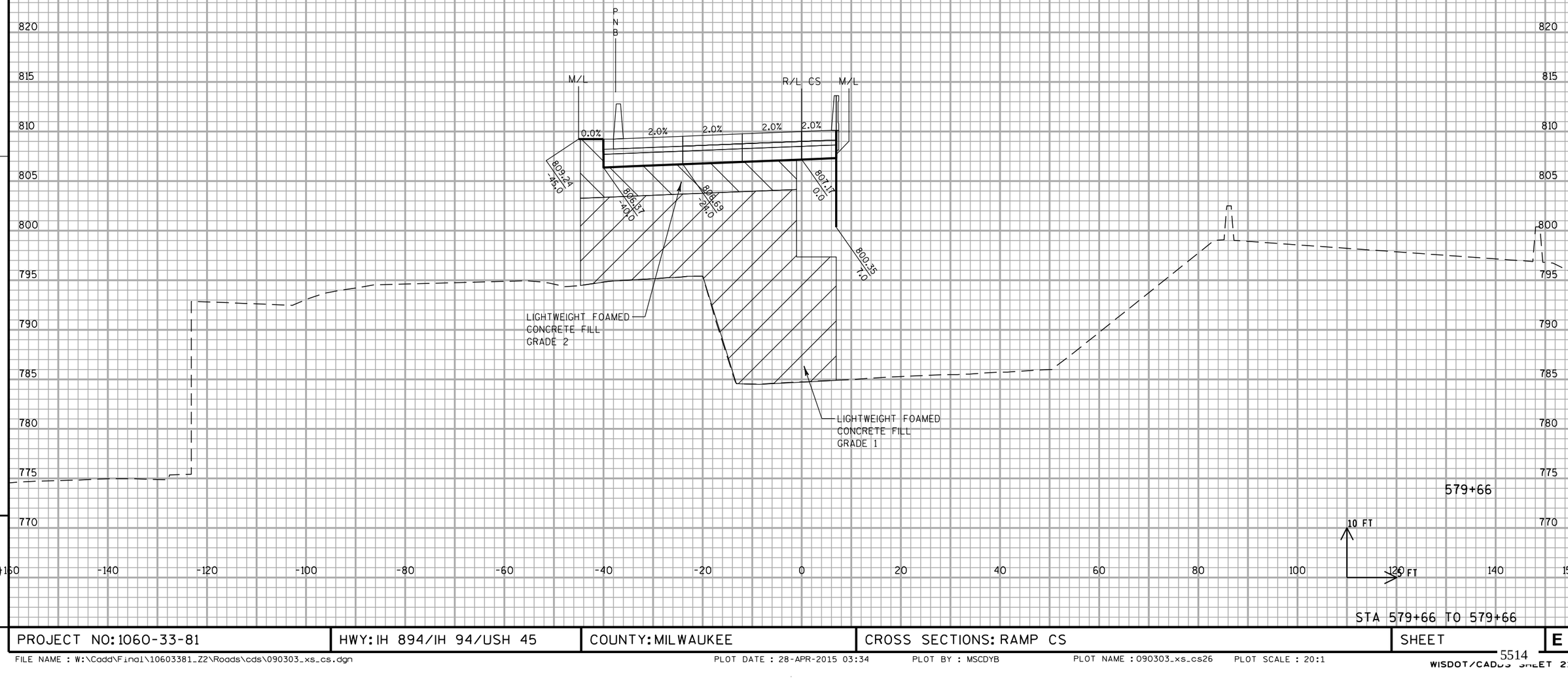
ALL WORK STAGE 2



STA 579+50 TO 579+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

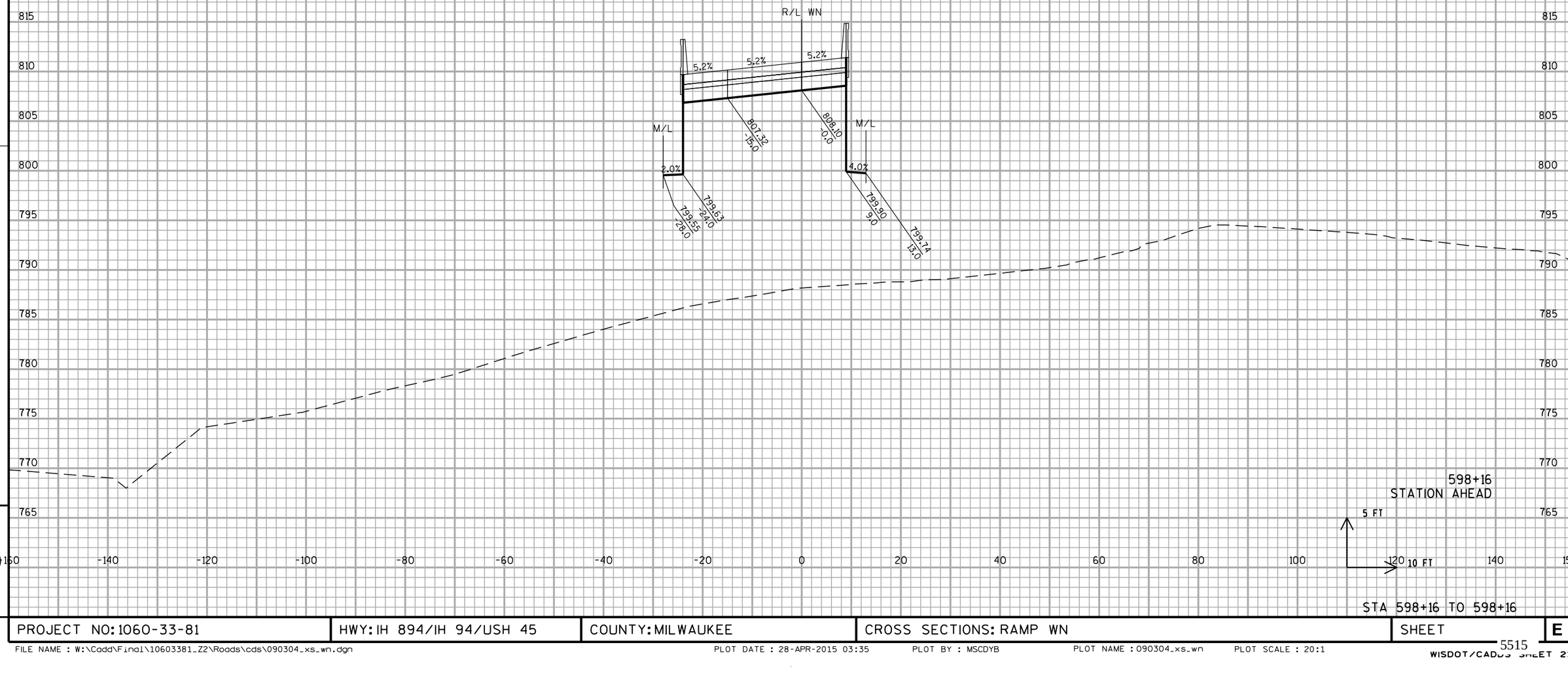
ALL WORK STAGE 2



STA 579+66 TO 579+66

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP CS	SHEET	E

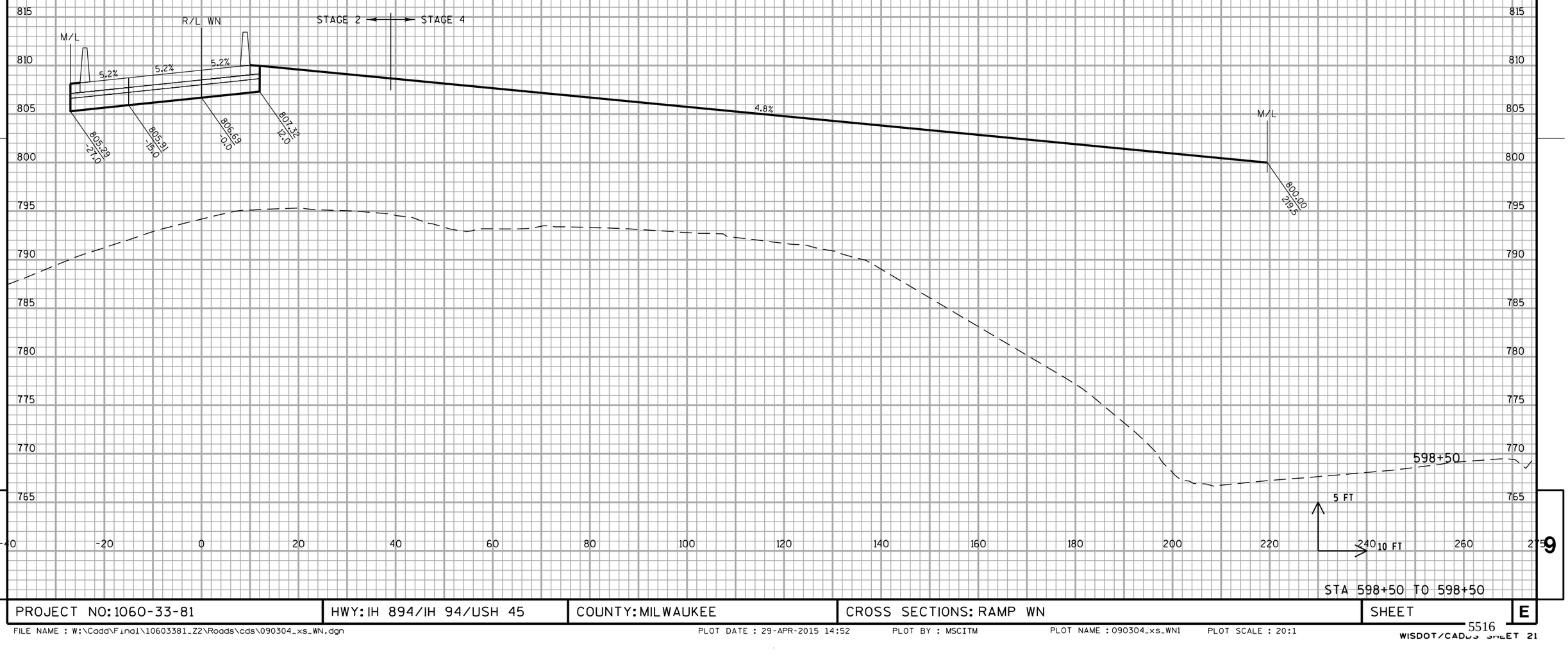
ALL WORK STAGE 2



STA 598+16 TO 598+16

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn PLOT SCALE : 20:1



9

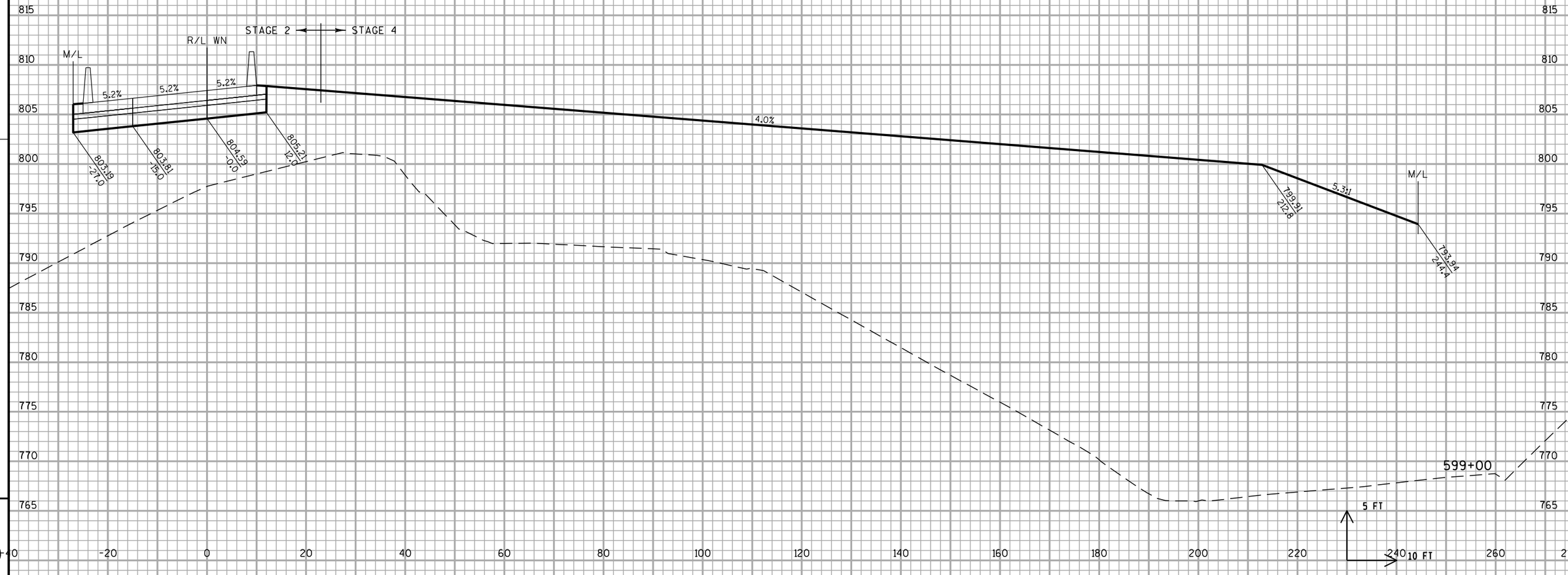
9

STA 598+50 TO 598+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:52 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN1 PLOT SCALE : 20:1

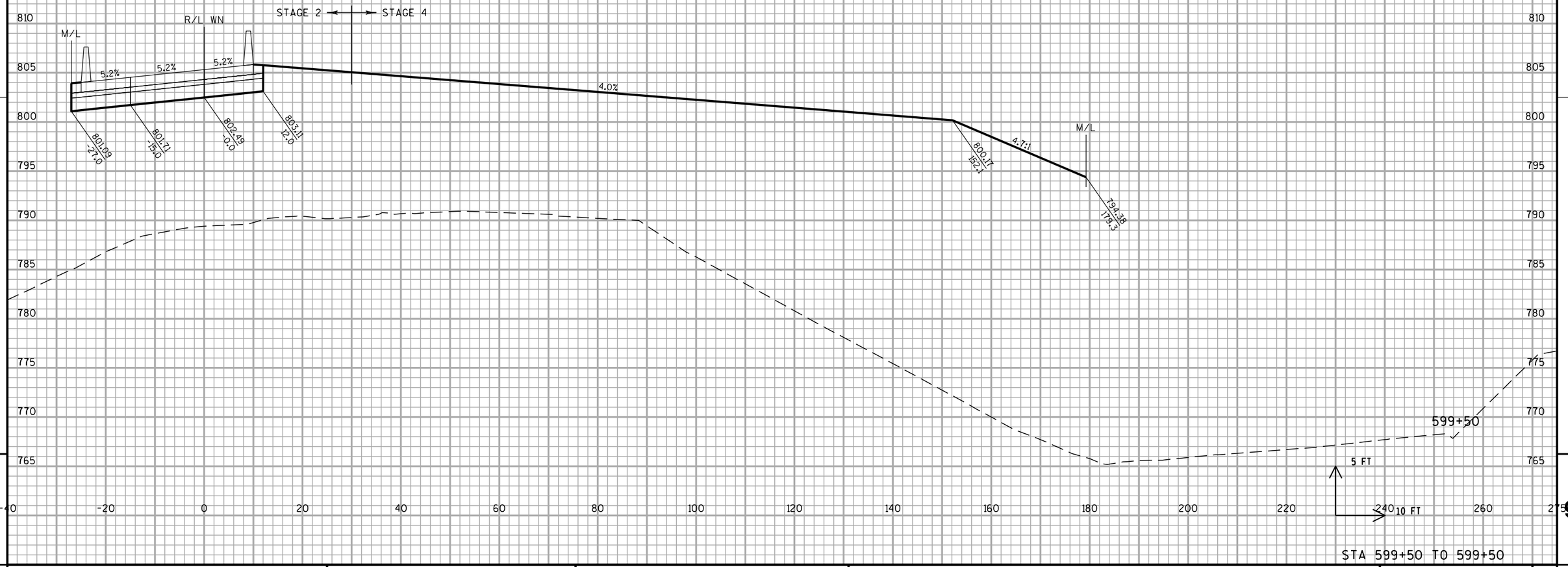
WISDOT/CADDS SHEET 21



STA 599+00 TO 599+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

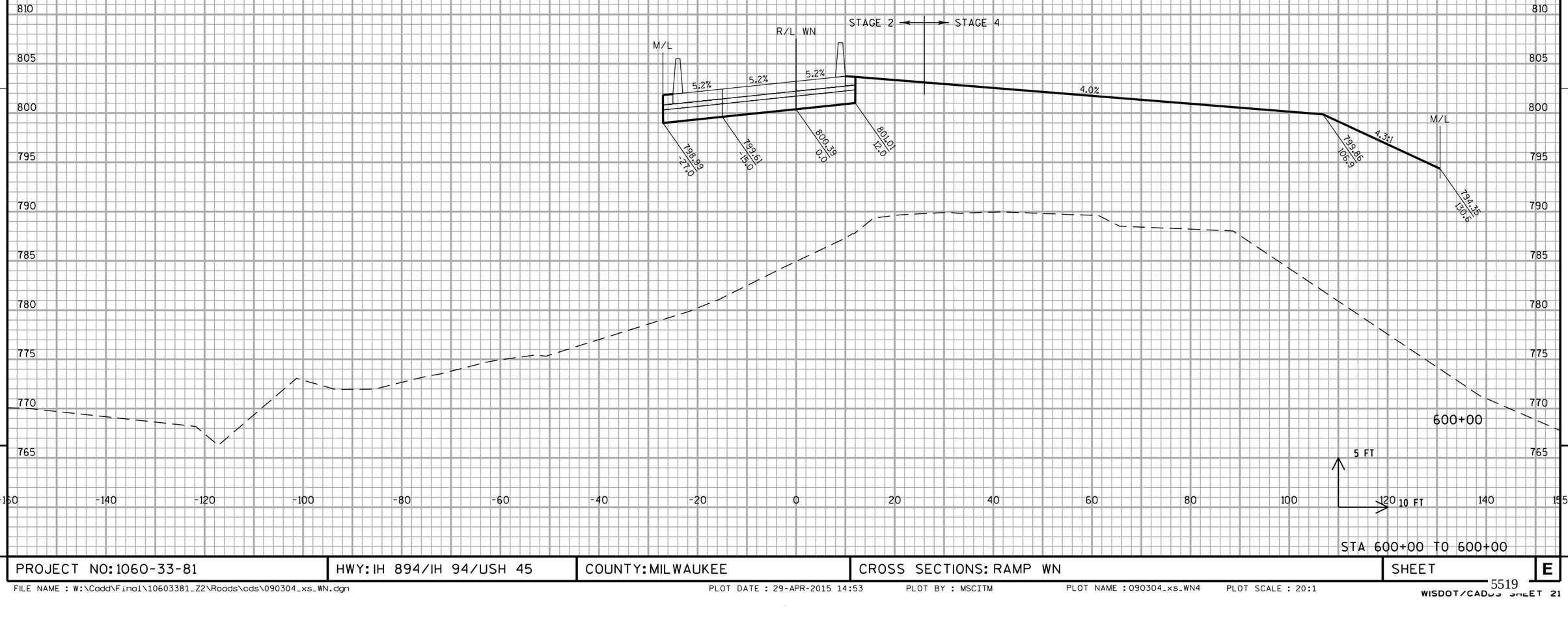
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:53 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN2 PLOT SCALE : 20:1



STA 599+50 TO 599+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:53 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN3 PLOT SCALE : 20:1

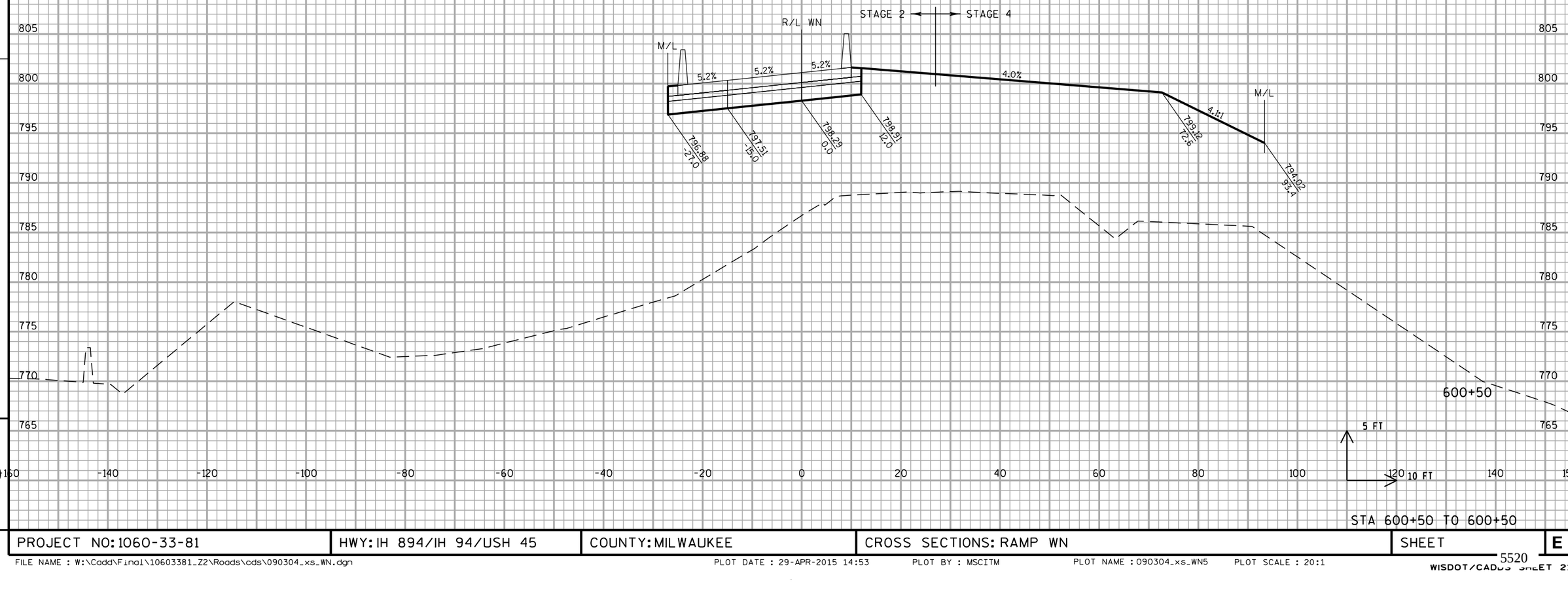


STA 600+00 TO 600+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:53 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

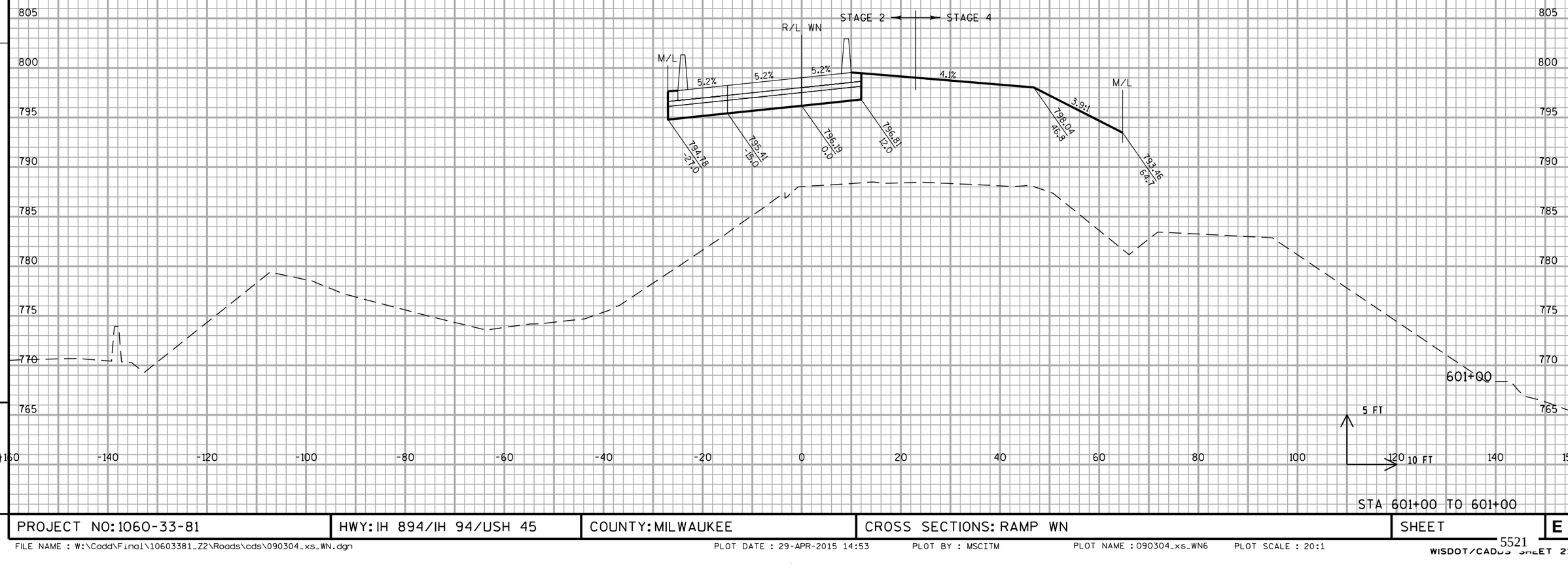


STA 600+50 TO 600+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:53 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



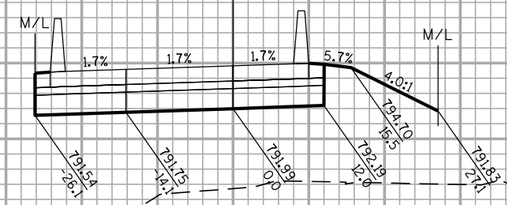
STA 601+00 TO 601+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

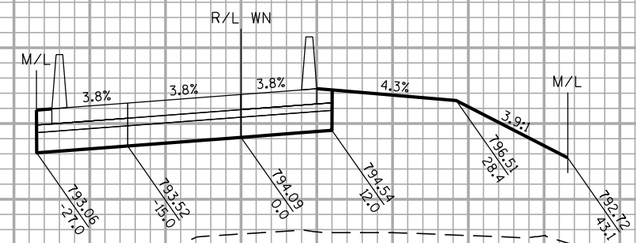
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_WN.dgn PLOT DATE : 29-APR-2015 14:53 PLOT BY : MSCITM PLOT NAME : 090304_xs_WN6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



602+00



601+50

5 FT
10 FT

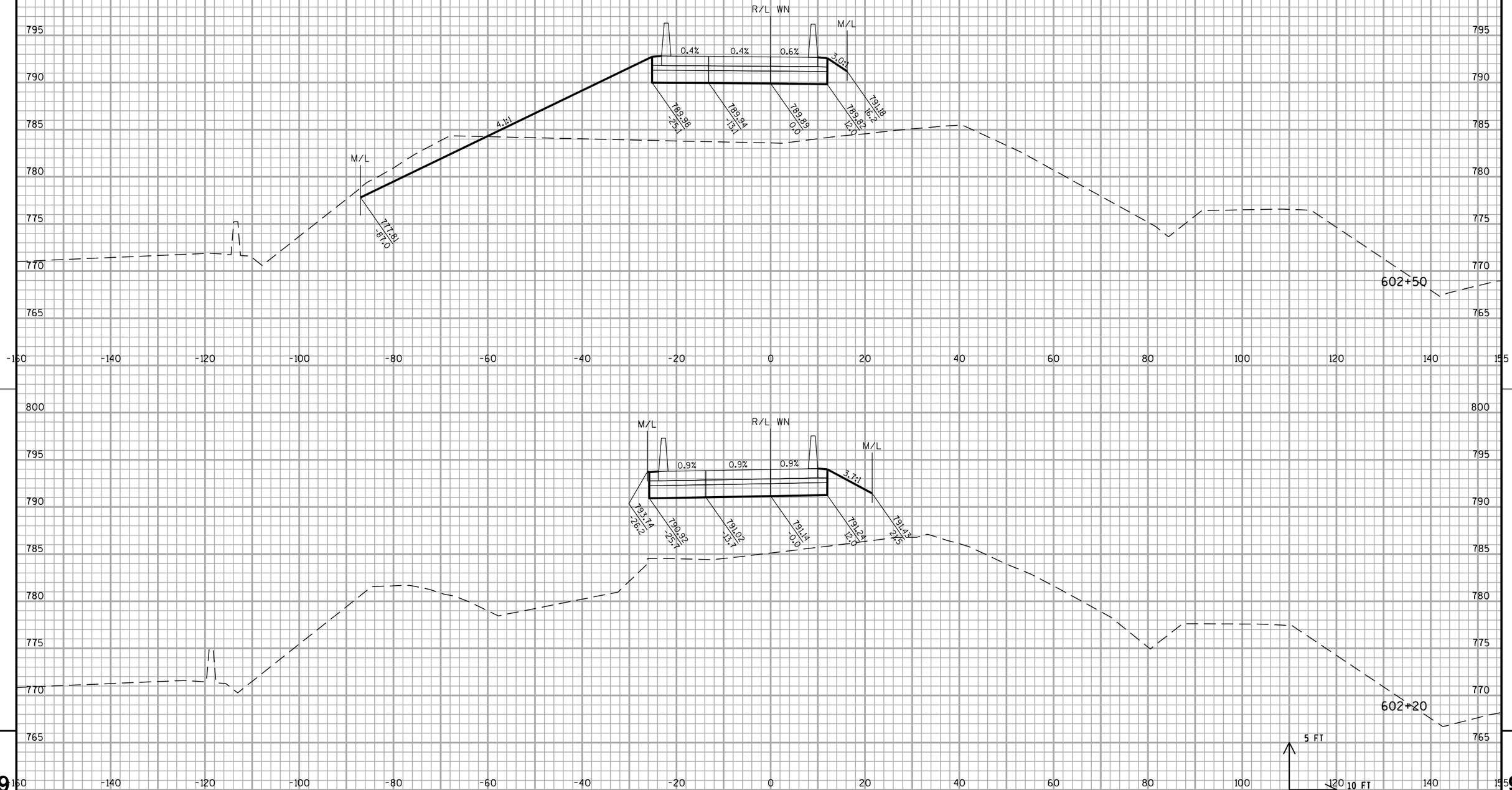
STA 601+50 TO 602+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

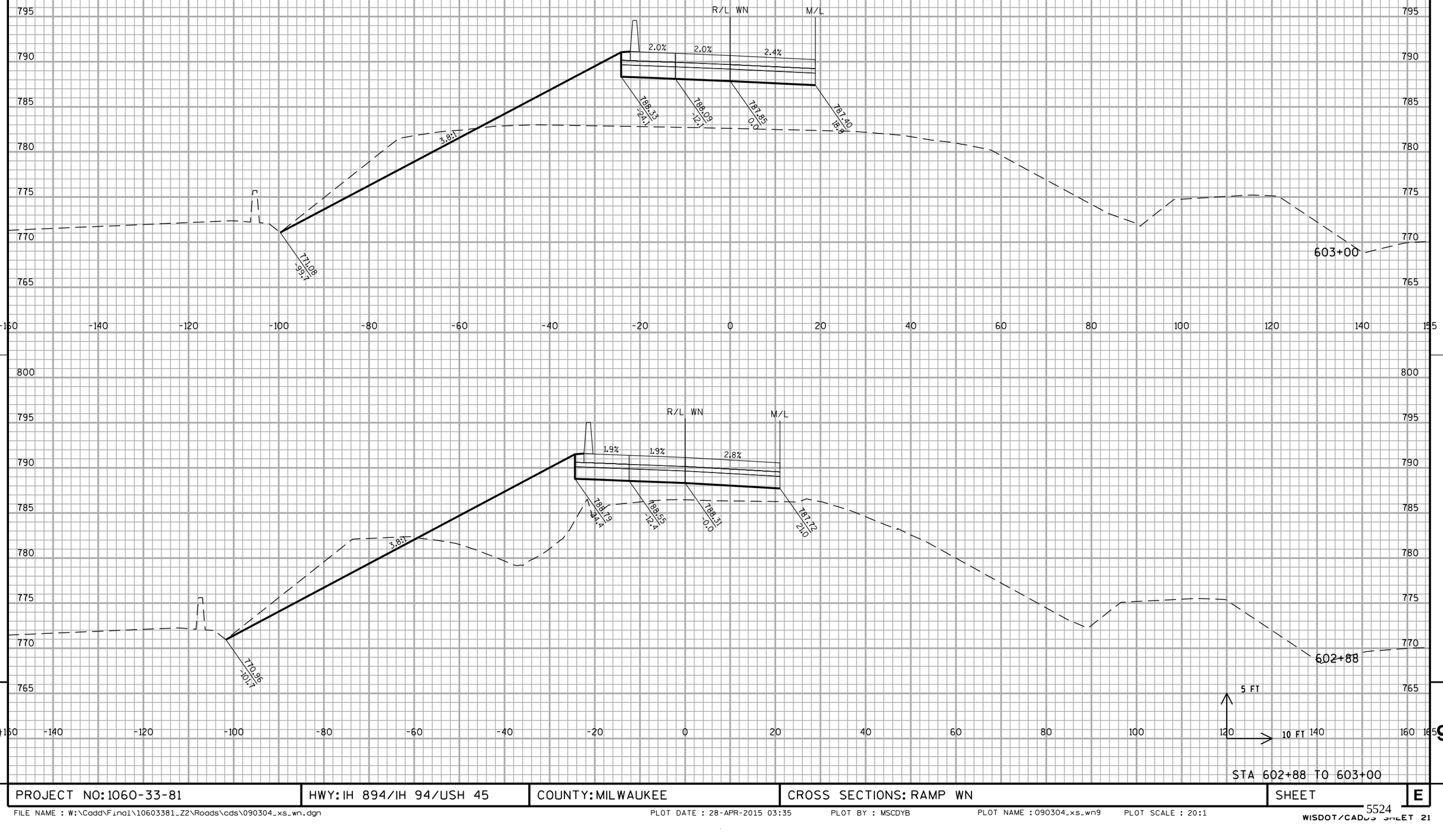


STA 602+20 TO 602+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn8 PLOT SCALE : 20:1

ALL WORK STAGE 2

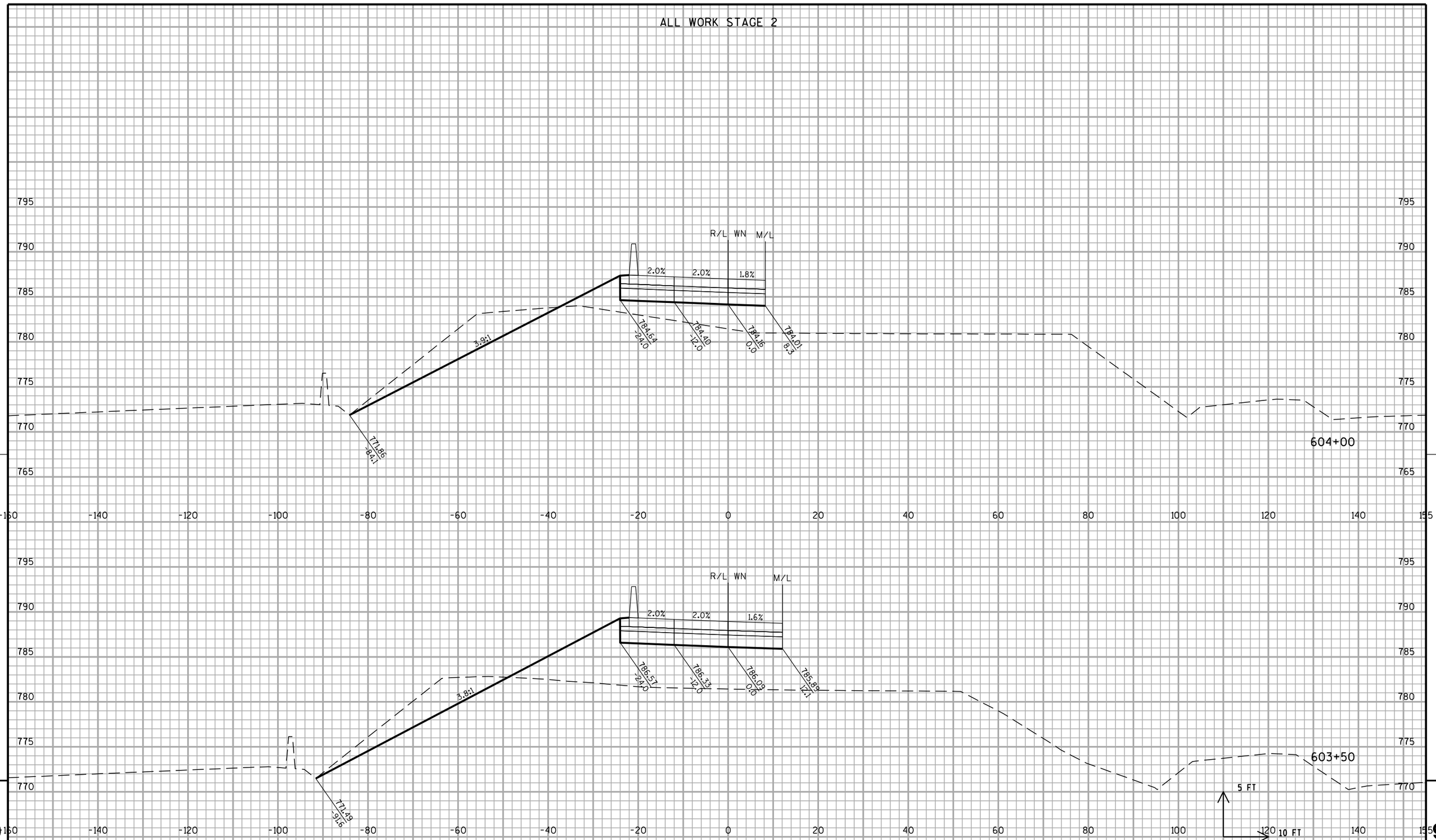


STA 602+88 TO 603+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn9 PLOT SCALE : 20:1

ALL WORK STAGE 2

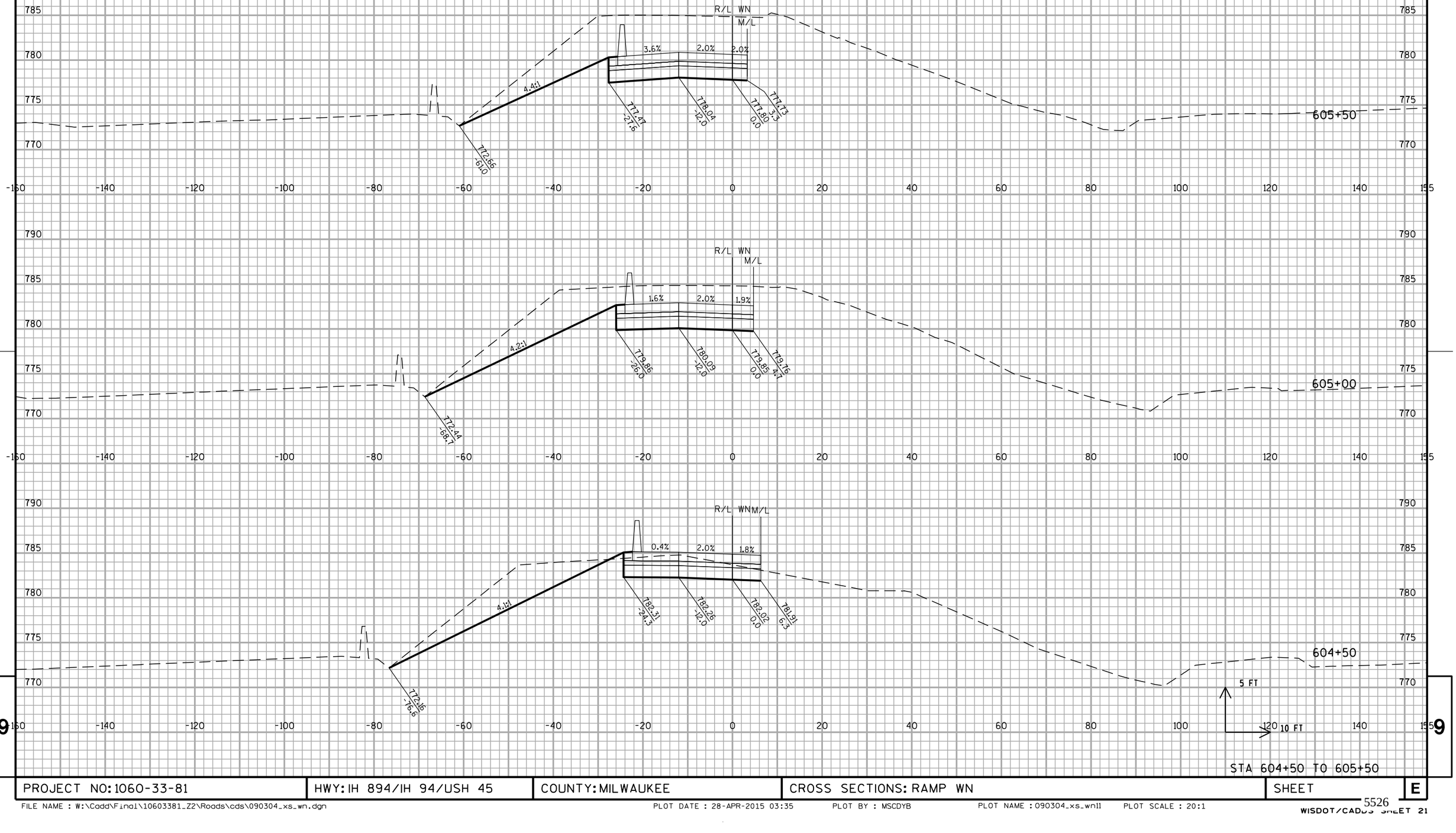


STA 603+50 TO 604+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn10 PLOT SCALE : 20:1

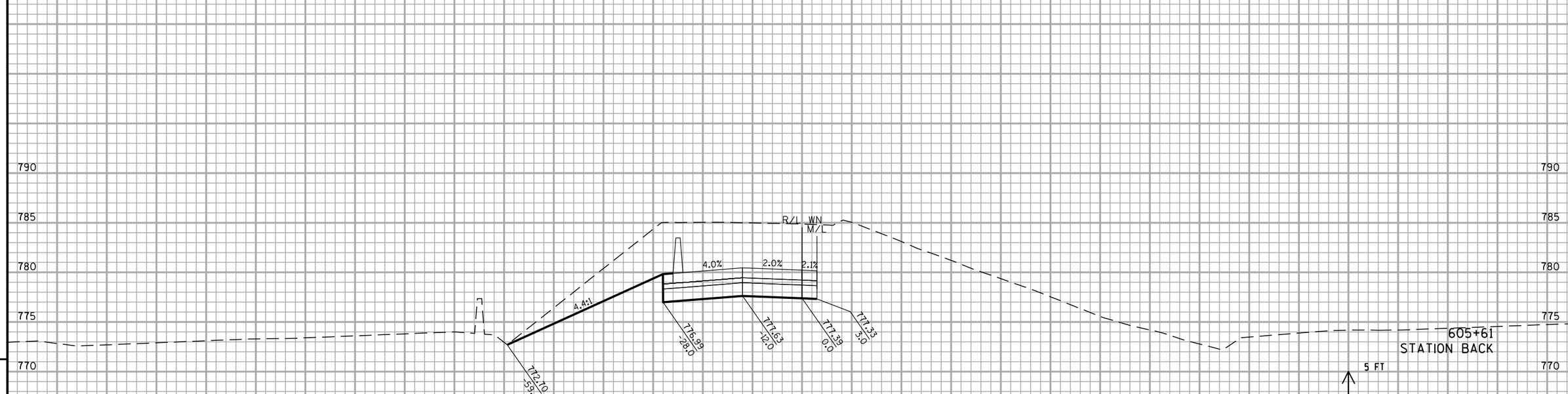
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn11 PLOT SCALE : 20:1

ALL WORK STAGE 2

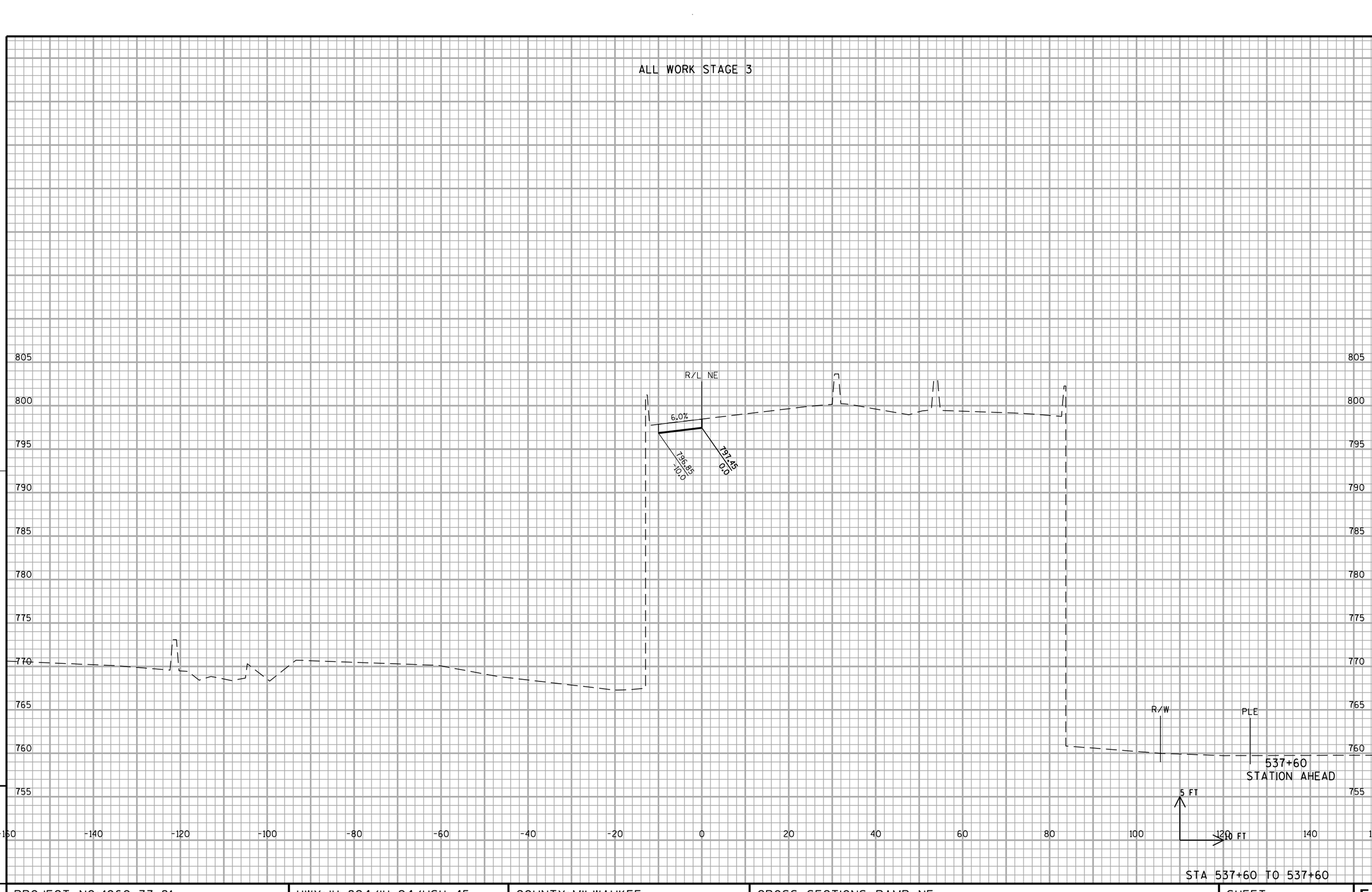


STA 605+61 TO 605+61

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090304_xs_wn.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090304_xs_wn12 PLOT SCALE : 20:1

ALL WORK STAGE 3

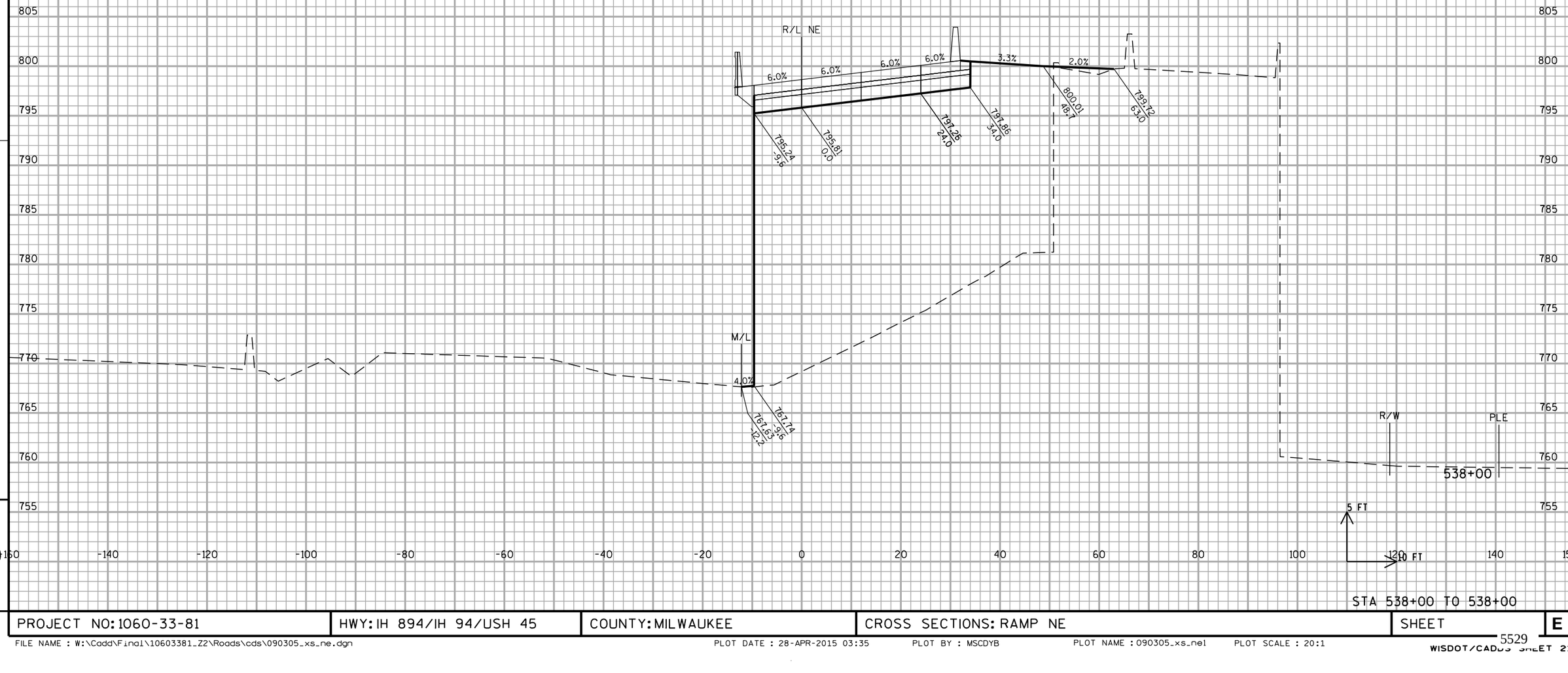


STA 537+60 TO 537+60

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne PLOT SCALE : 20:1

ALL WORK STAGE 3

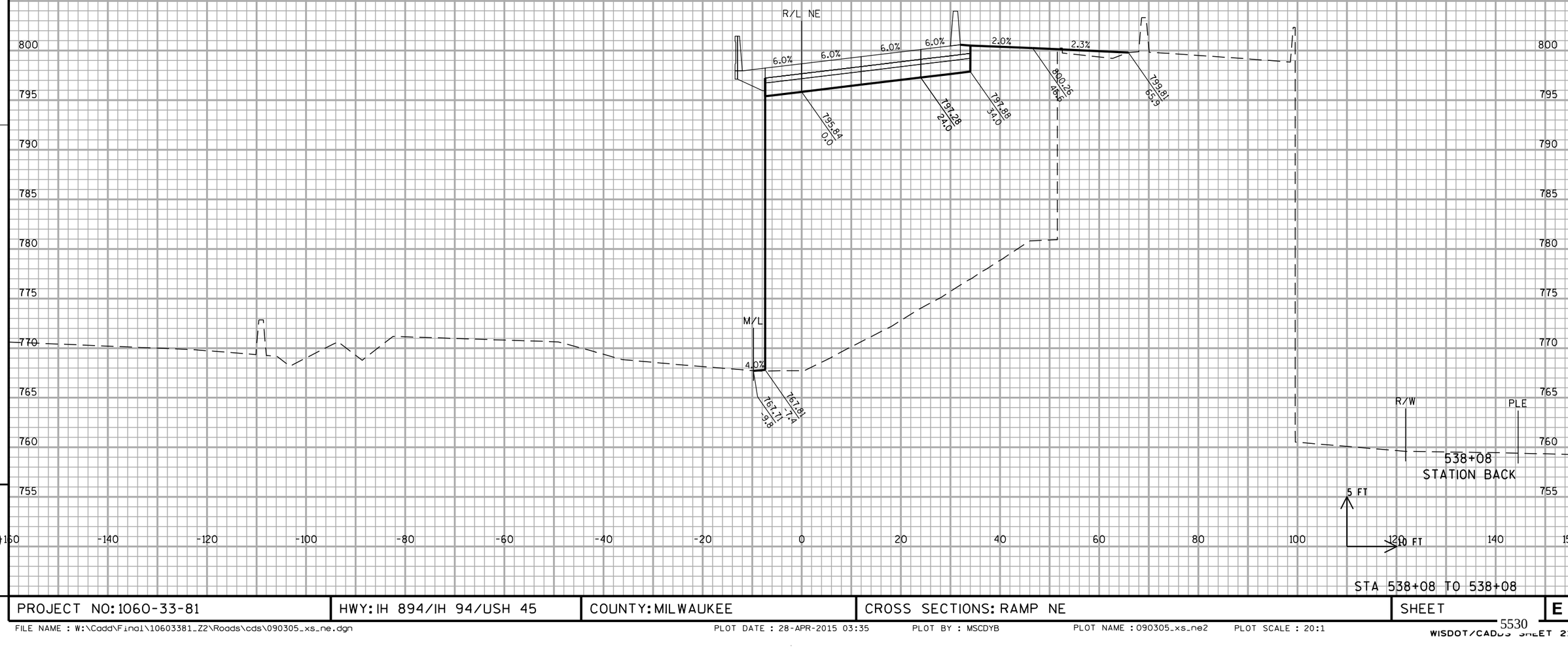


STA 538+00 TO 538+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne1 PLOT SCALE : 20:1

ALL WORK STAGE 3

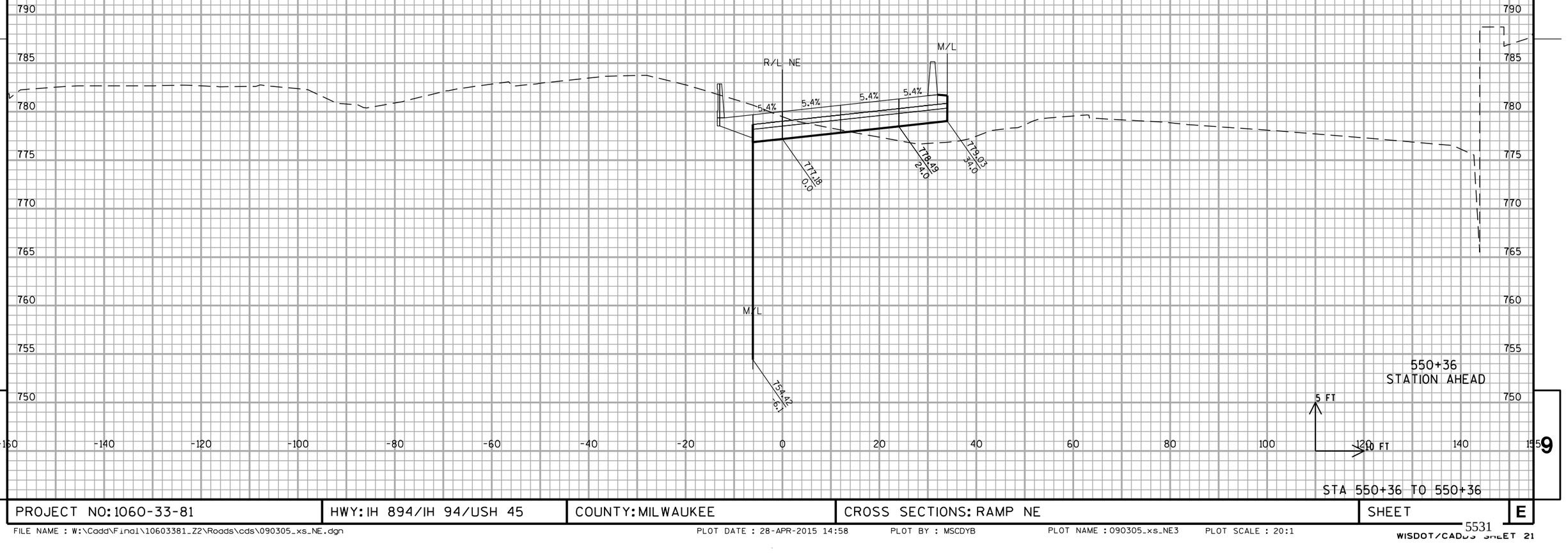


STA 538+08 TO 538+08

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne2 PLOT SCALE : 20:1

ALL WORK STAGE 3



STA 550+36 TO 550+36

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

ALL WORK STAGE 3

790
785
780
775
770
765
760
755
750

R/L NE
M/L
5.0%
5.0%
5.0%
5.0%
771.09
0.0
778.30
24.0
778.80
34.0
M/L
754.61
-8.3

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

550+50

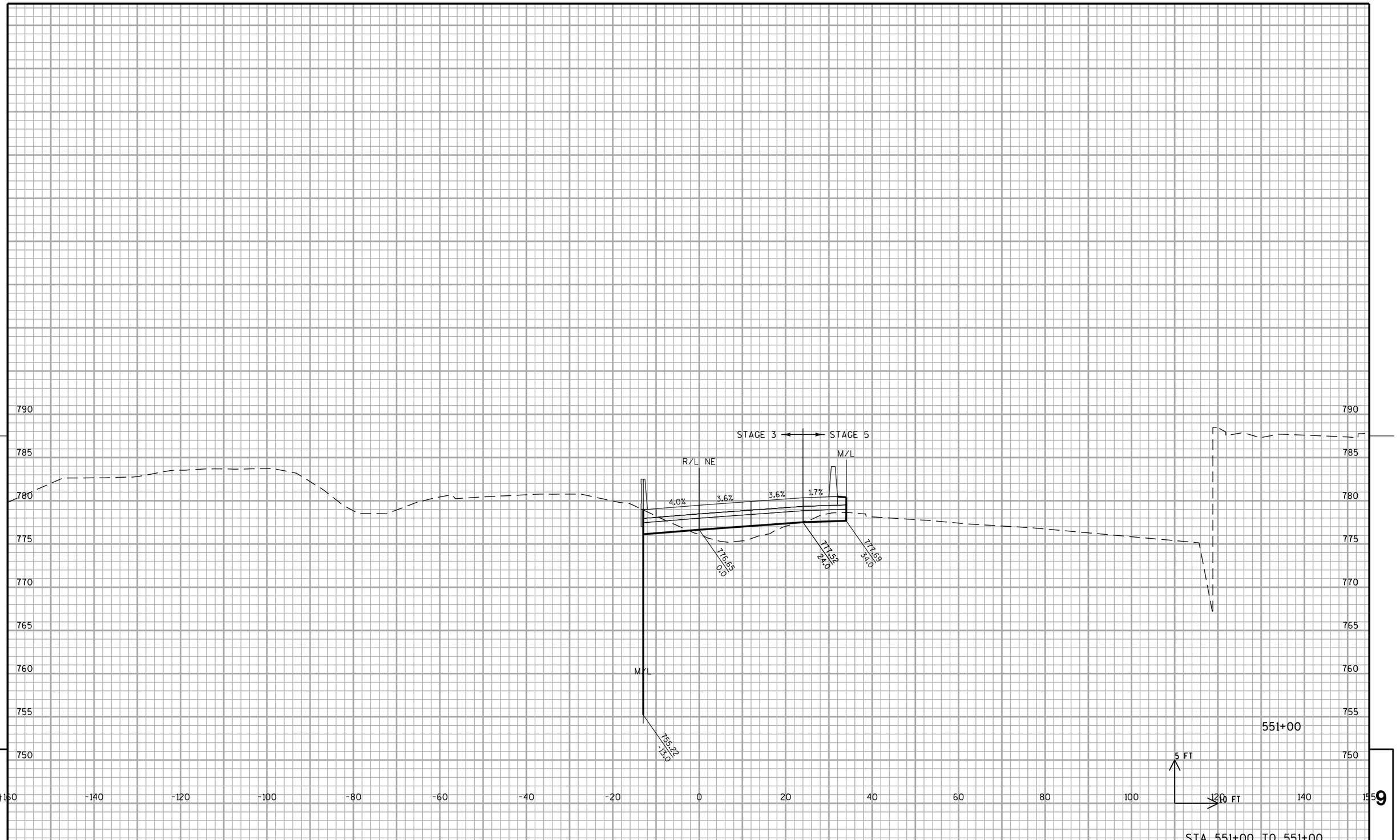
5 FT
10 FT

STA 550+50 TO 550+50

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_NE.dgn PLOT DATE : 28-APR-2015 14:58 PLOT BY : MSCDYB PLOT NAME : 090305_xs_NE4 PLOT SCALE : 20:1

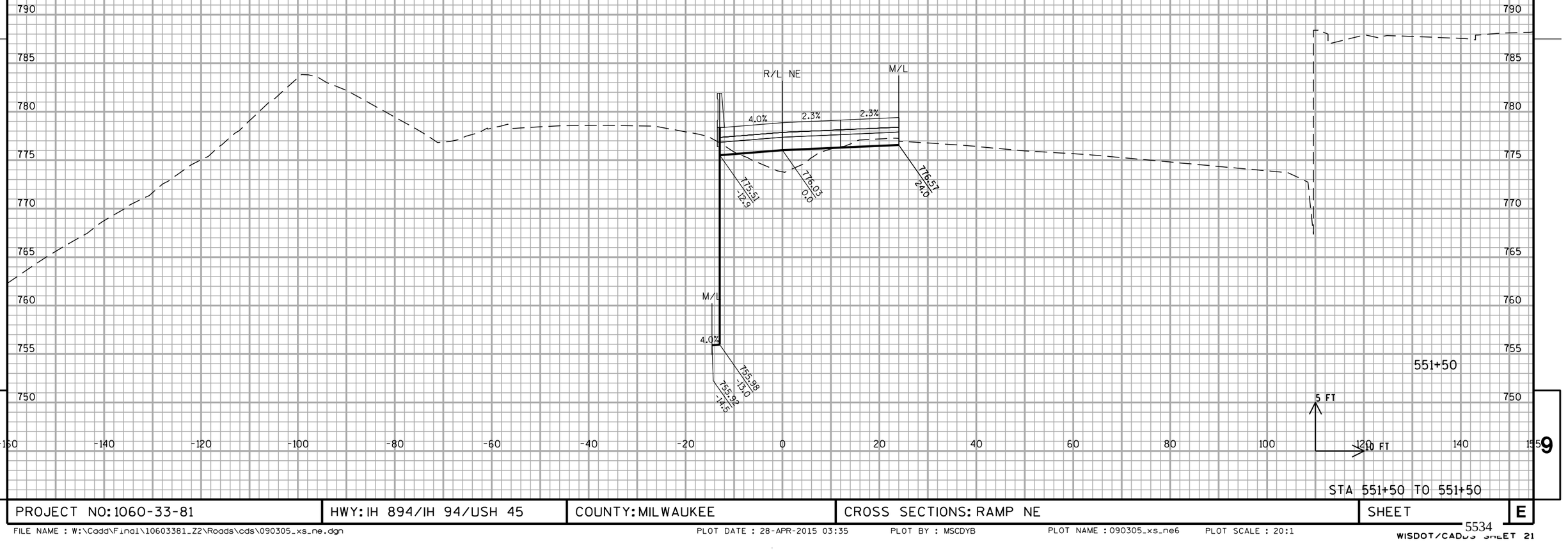


STA 551+00 TO 551+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_NE.dgn PLOT DATE : 28-APR-2015 14:58 PLOT BY : MSCDYB PLOT NAME : 090305_xs_NE5 PLOT SCALE : 20:1

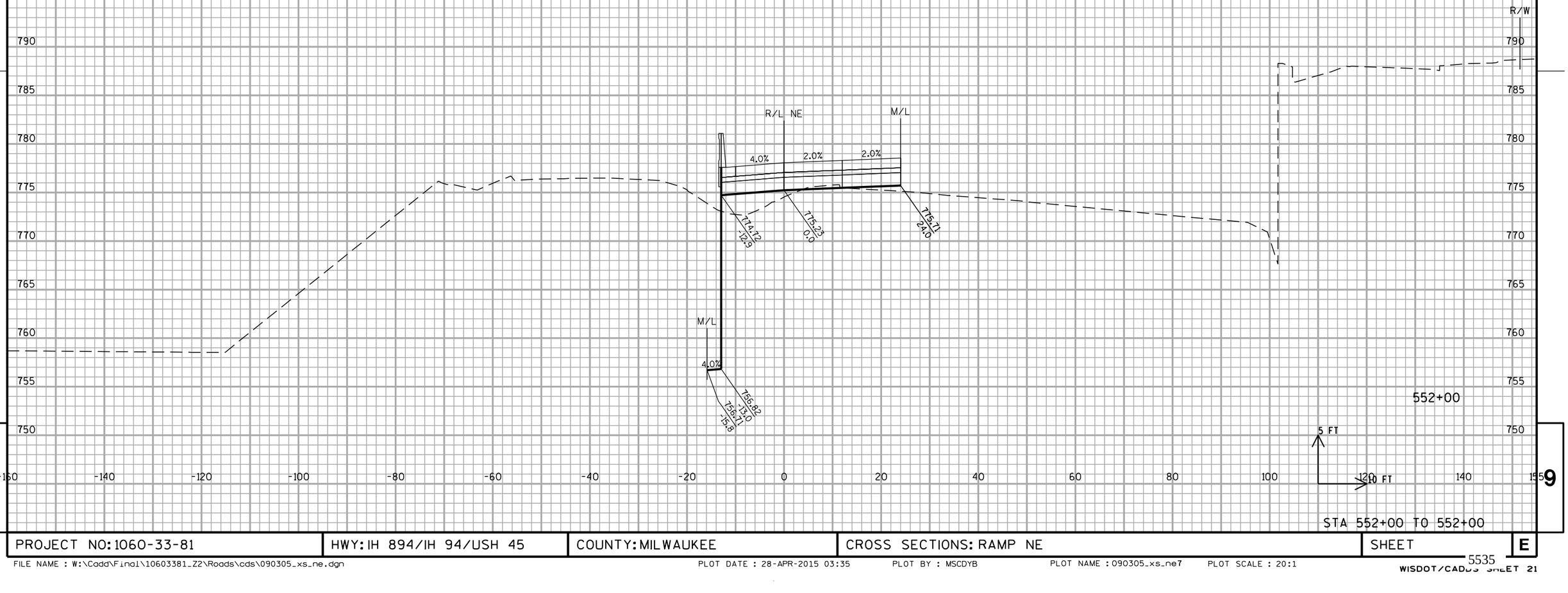
ALL WORK STAGE 3



STA 551+50 TO 551+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

ALL WORK STAGE 3

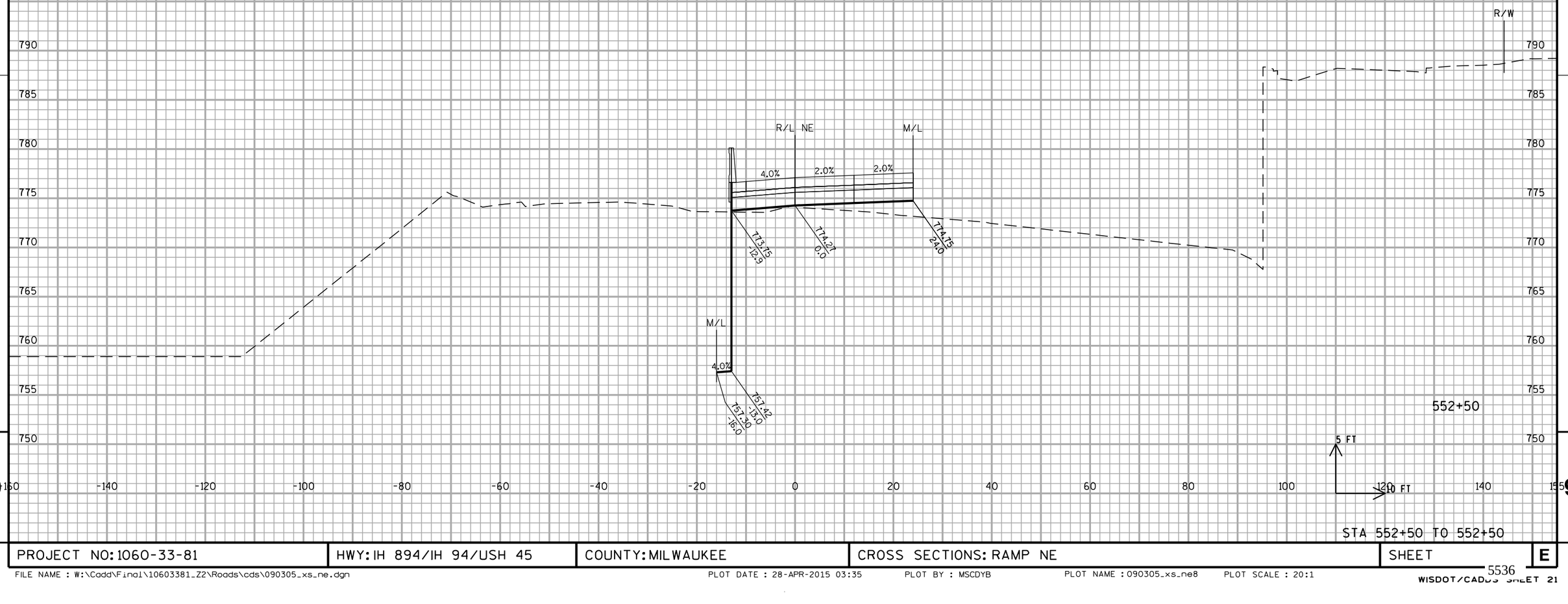


STA 552+00 TO 552+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne7 PLOT SCALE : 20:1

ALL WORK STAGE 3

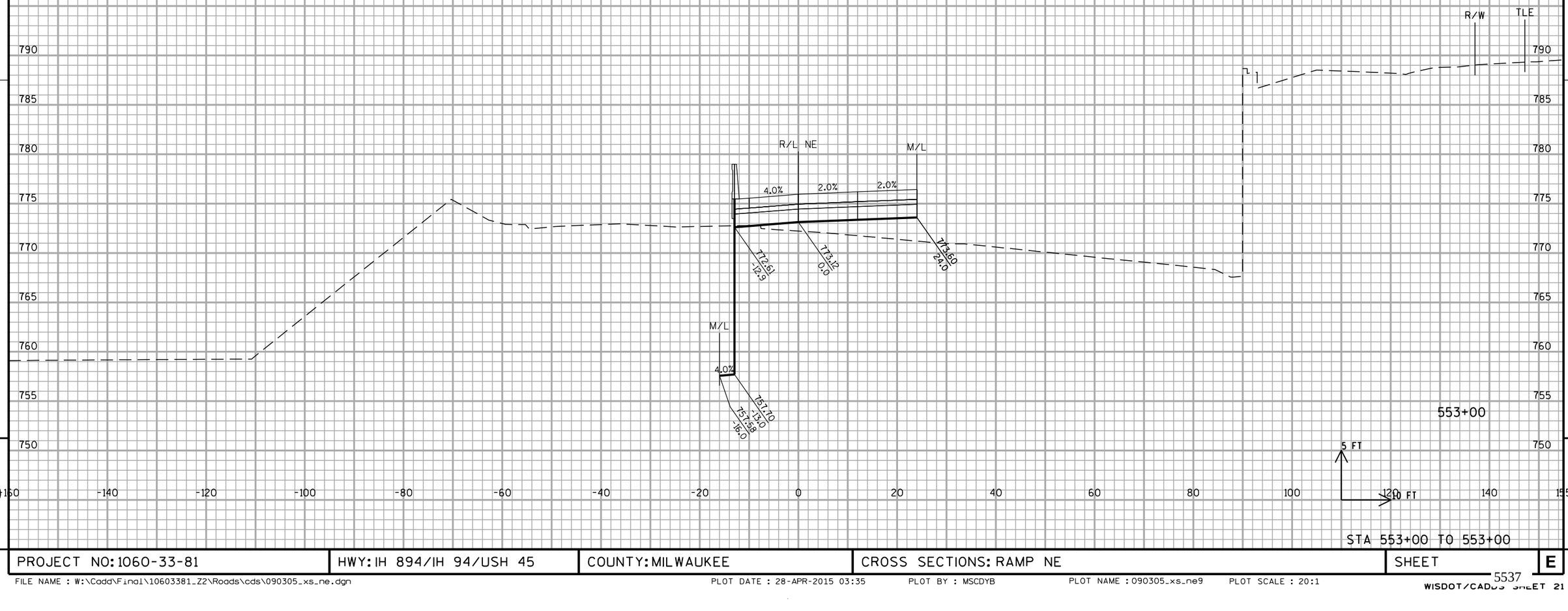


STA 552+50 TO 552+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne8 PLOT SCALE : 20:1

ALL WORK STAGE 3



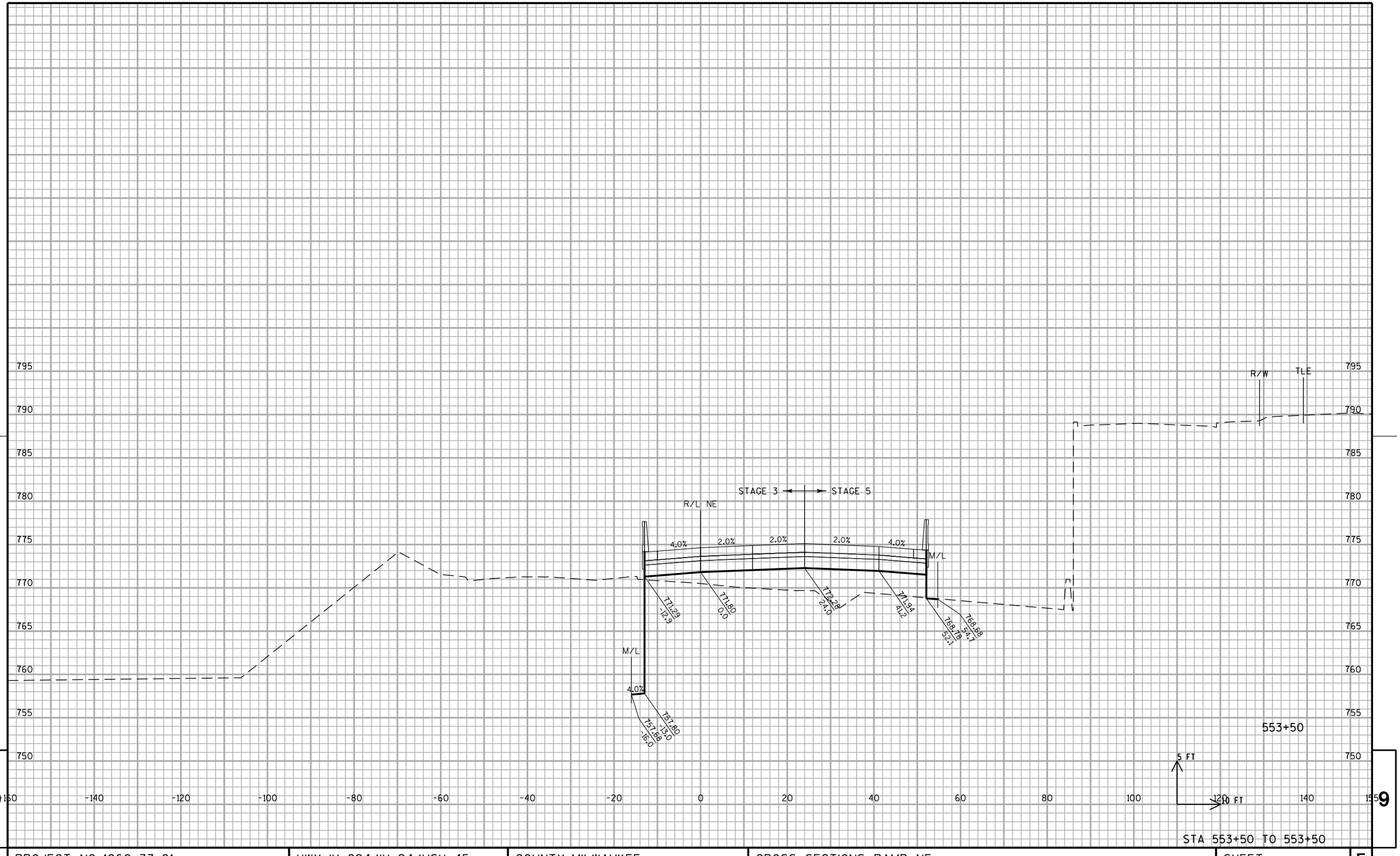
9

9

STA 553+00 TO 553+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

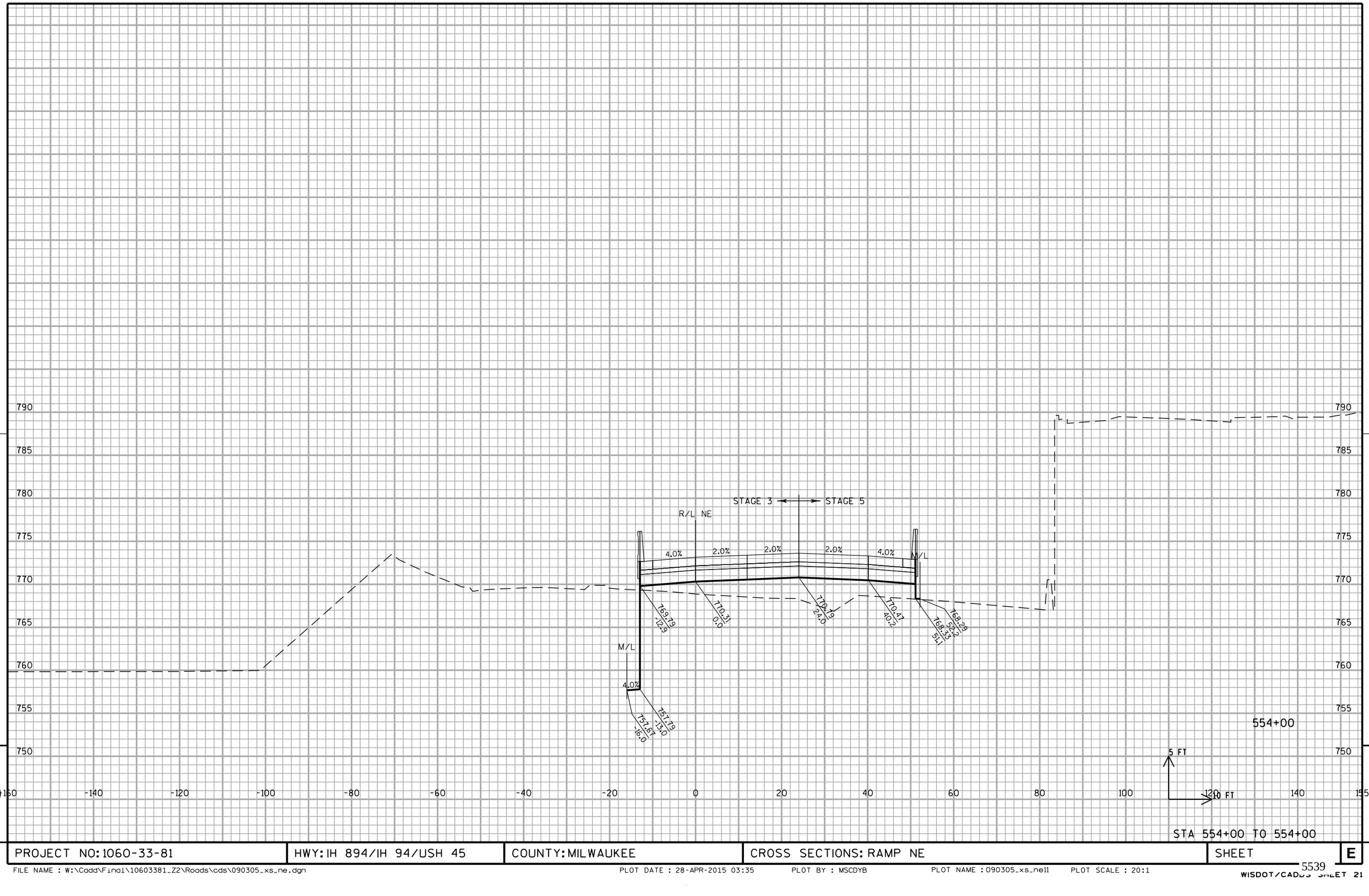
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne9 PLOT SCALE : 20:1



STA 553+50 TO 553+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

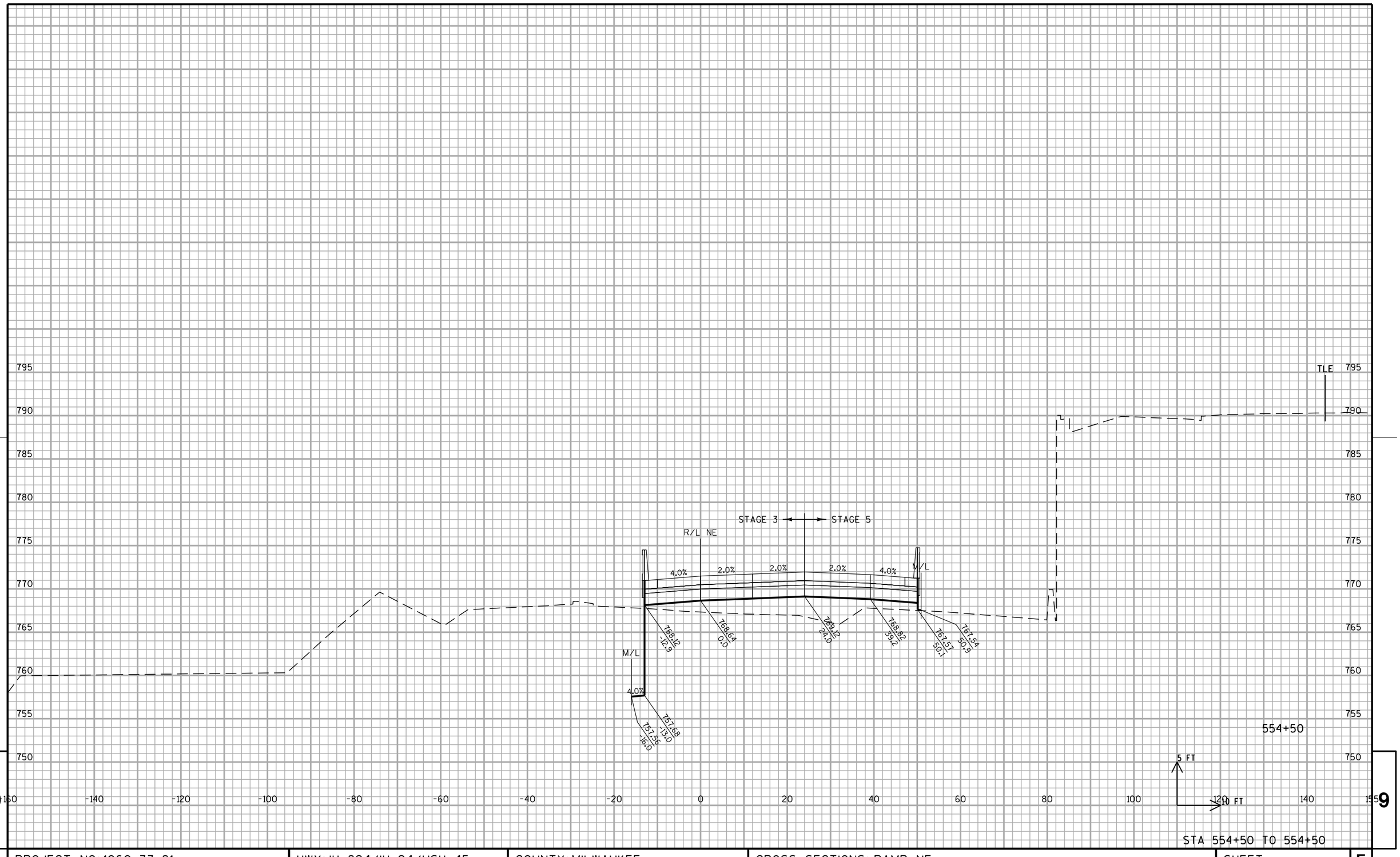
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne10 PLOT SCALE : 20:1



STA 554+00 TO 554+00

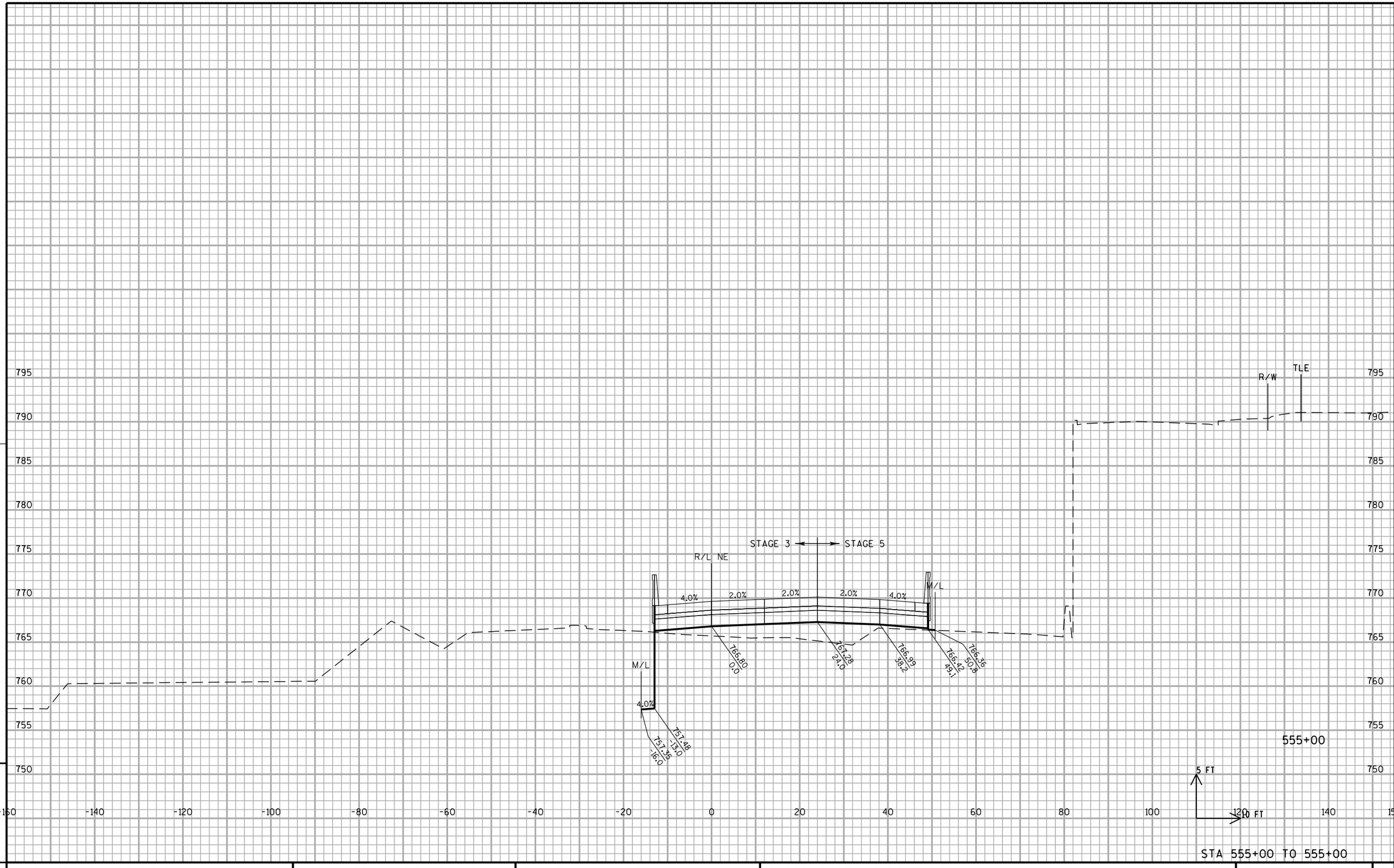
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne11 PLOT SCALE : 20:1



STA 554+50 TO 554+50

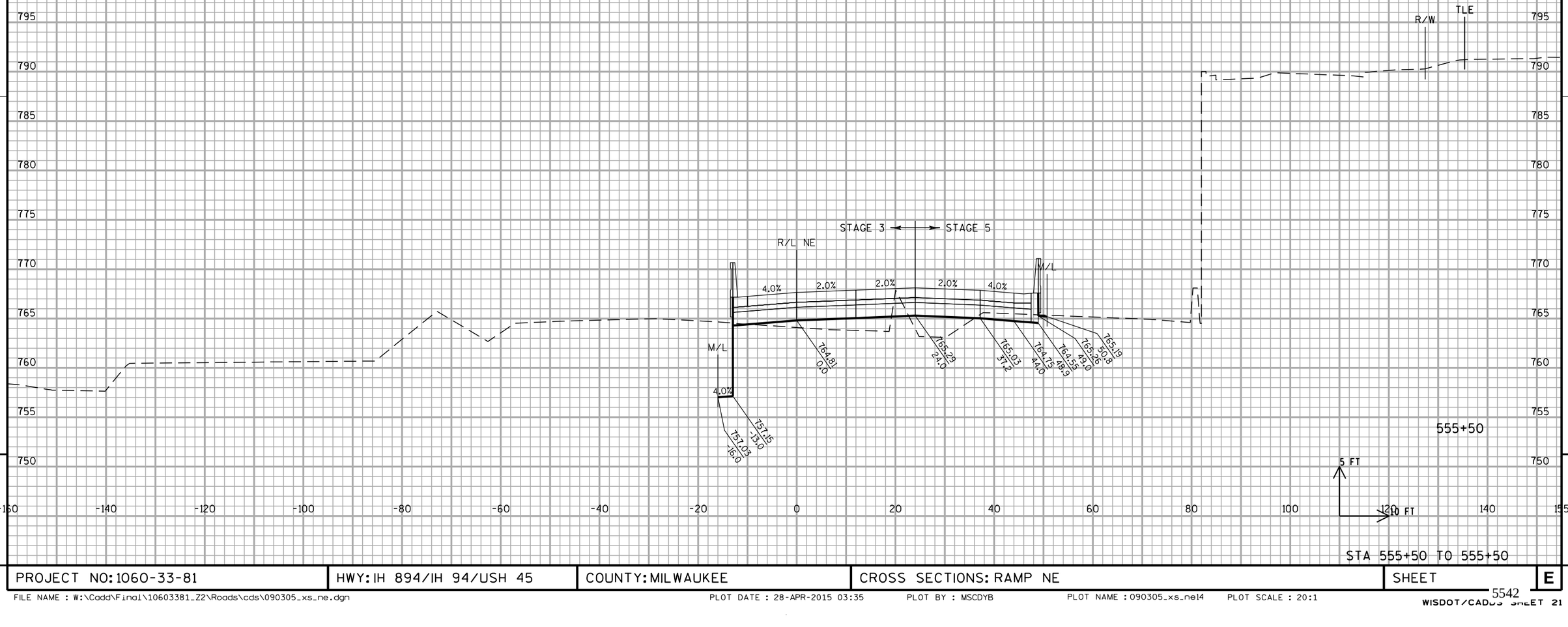
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E



STA 555+00 TO 555+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

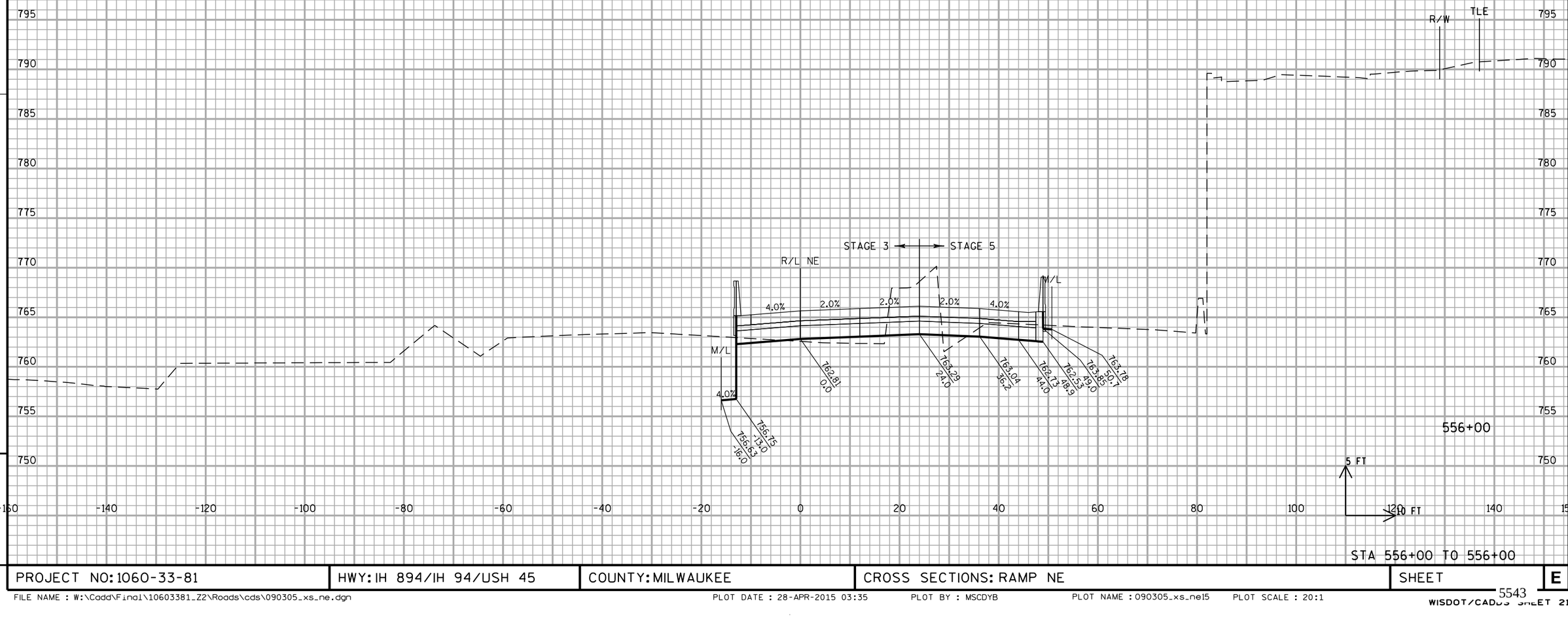
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne13 PLOT SCALE : 20:1



STA 555+50 TO 555+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

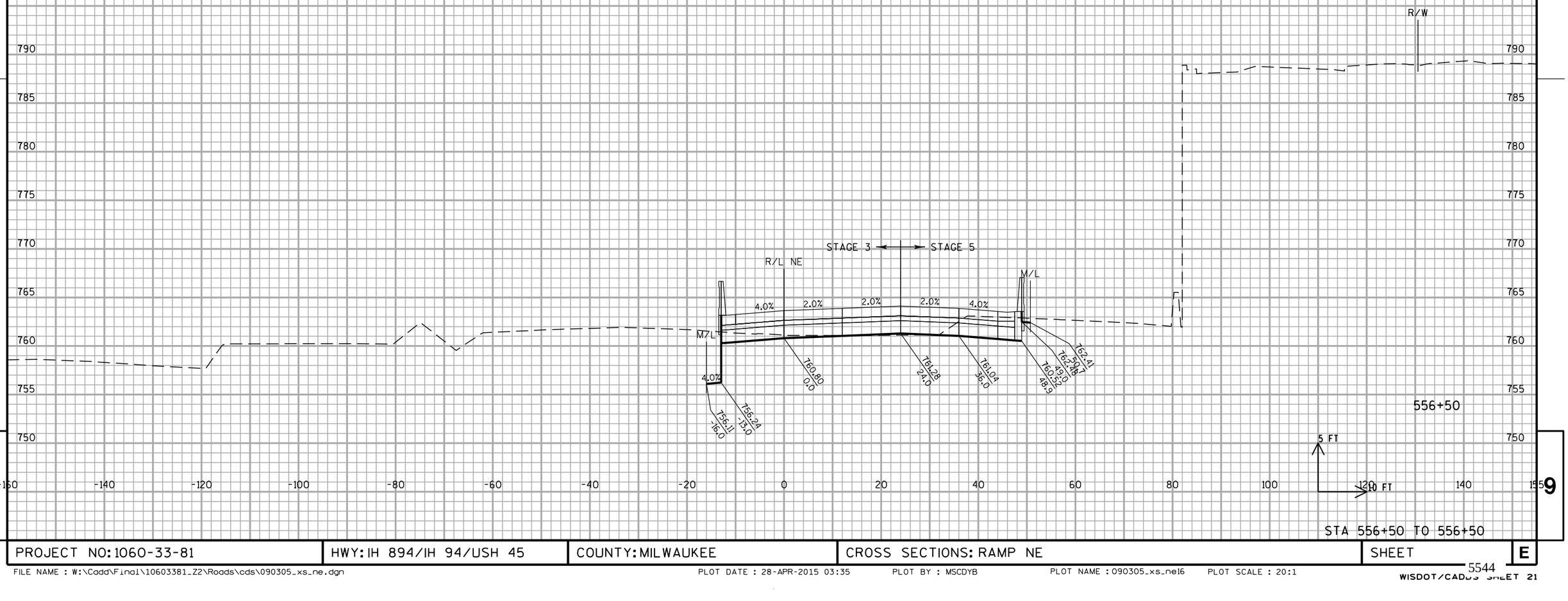
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne14 PLOT SCALE : 20:1



STA 556+00 TO 556+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne15 PLOT SCALE : 20:1



STA 556+50 TO 556+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne16 PLOT SCALE : 20:1

790
785
780
775
770
765
760
755
750
-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

STAGE 3 ← → STAGE 5

R/L NE

M/L

M/L

4.0% 2.0% 2.0% 2.0% 4.0%

4.0%

759.48 0.0

758.80 0.0

759.28 24.0

759.04 36.0

758.72 44.0

759.52 48.9

760.94 50.7

760.87

759.38 -11.5

759.62 -13.0

759.48 -16.0

557+00

5 FT

10 FT

STA 557+00 TO 557+00

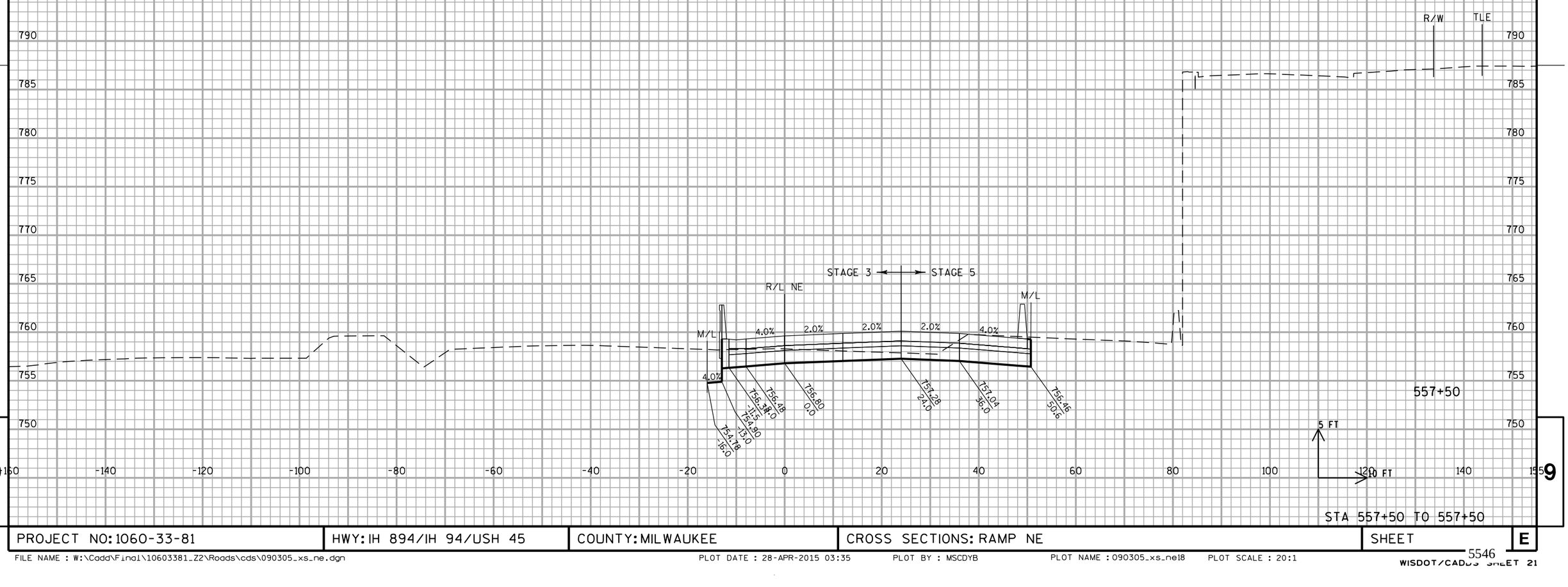
9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

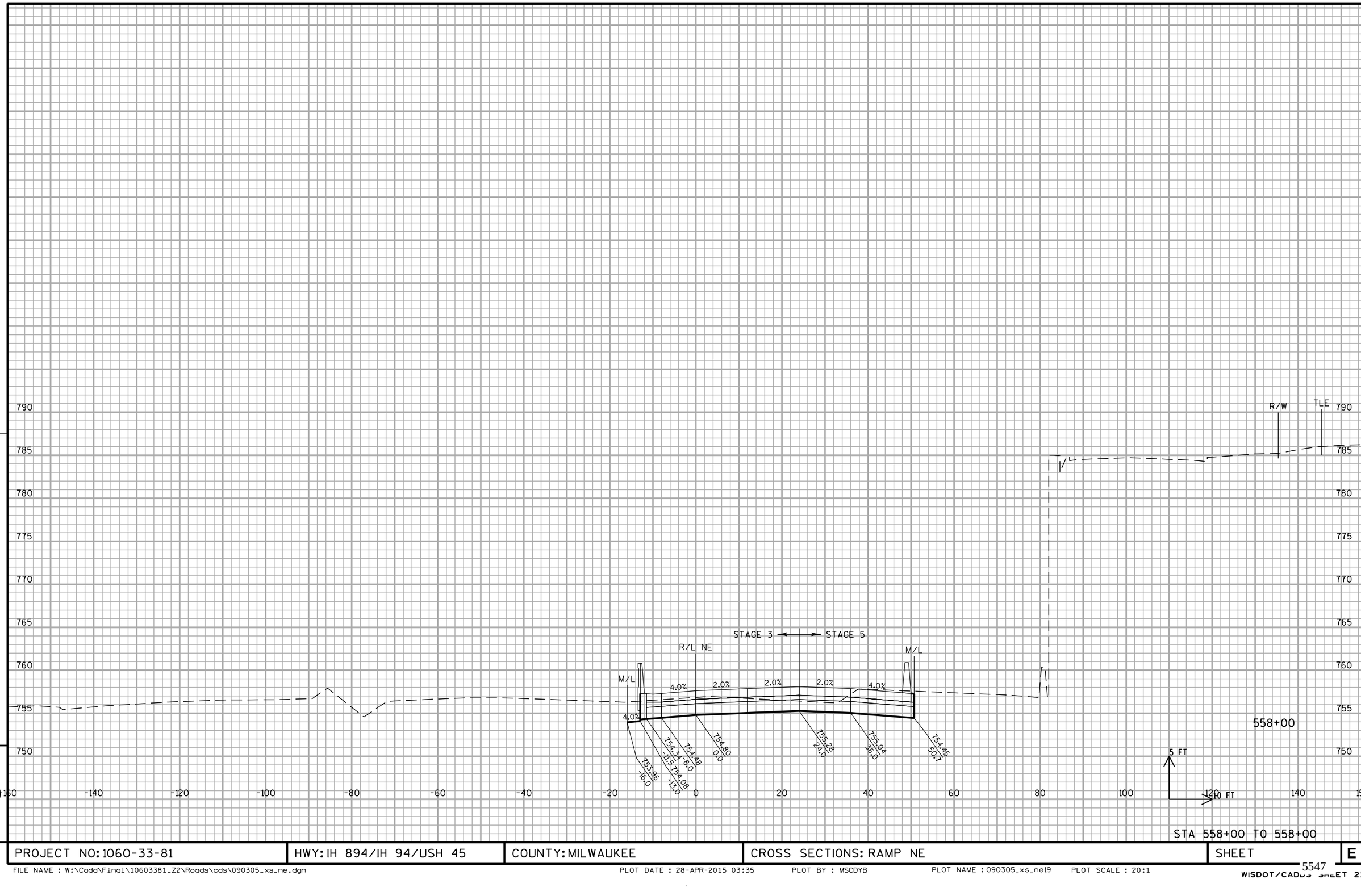
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WISDOT/CADDS SHEET 21



STA 557+50 TO 557+50

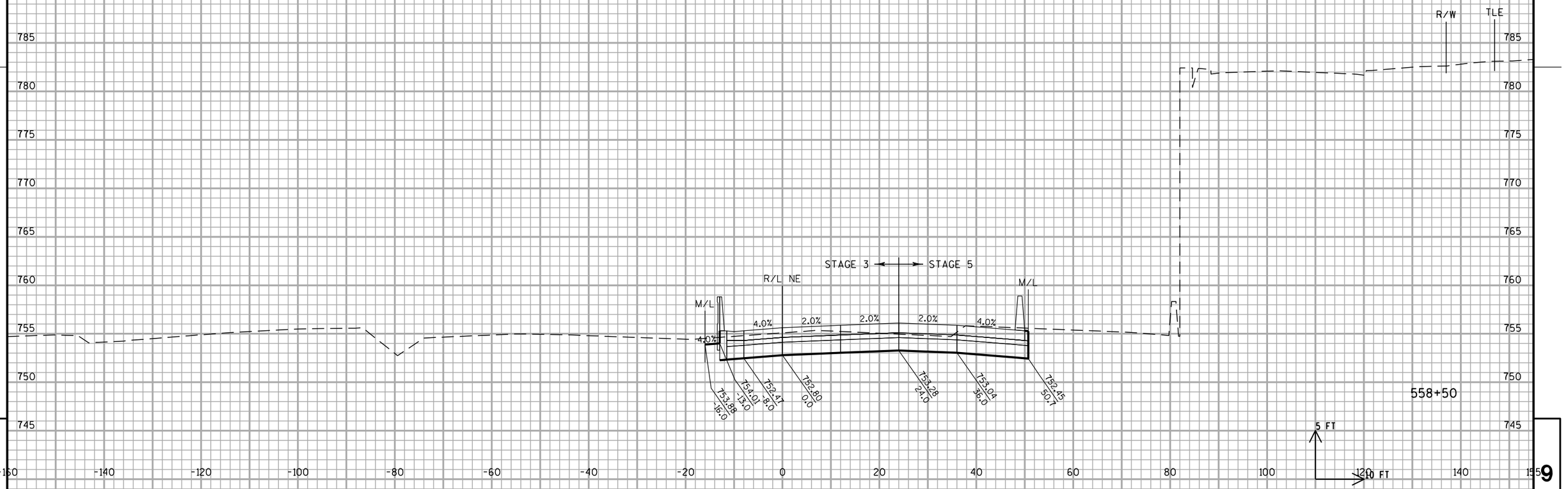
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E



STA 558+00 TO 558+00

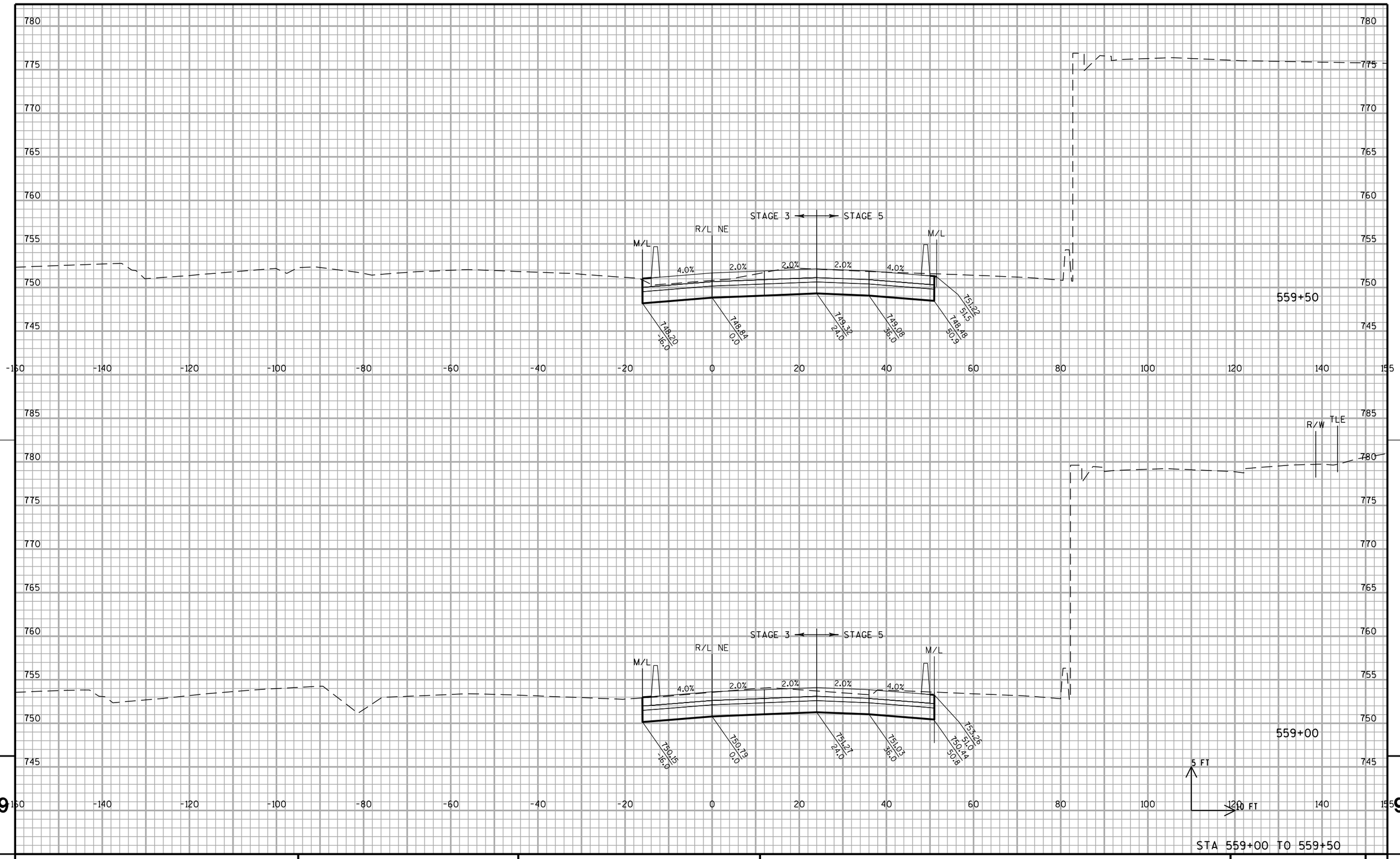
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne19 PLOT SCALE : 20:1



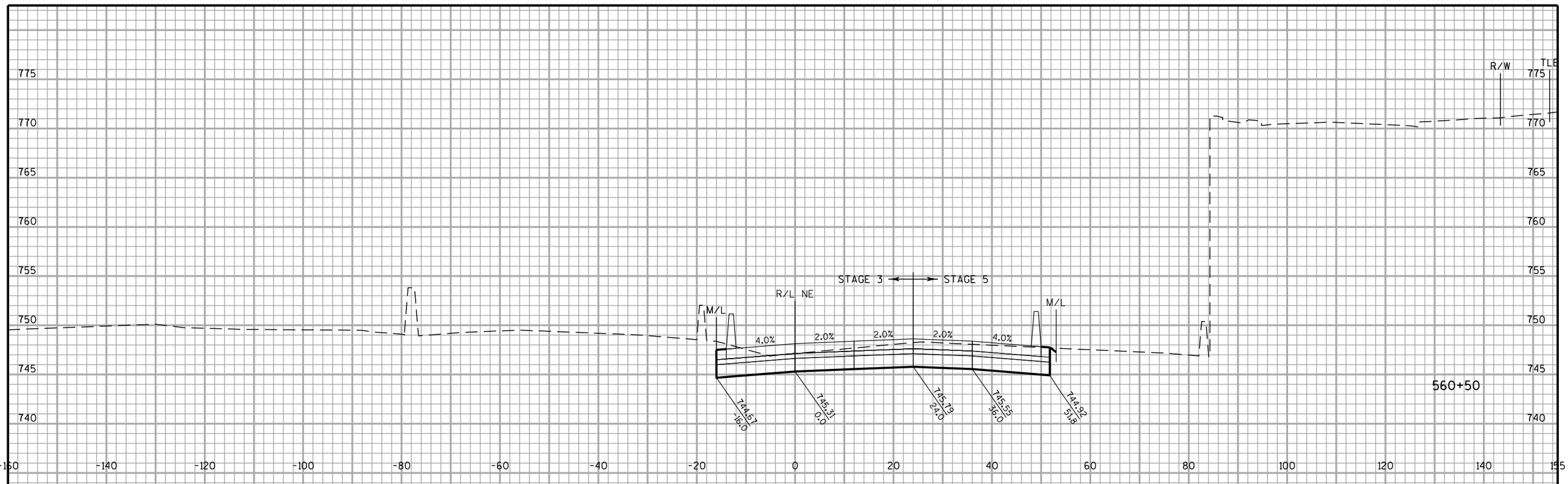
STA 558+50 TO 558+50

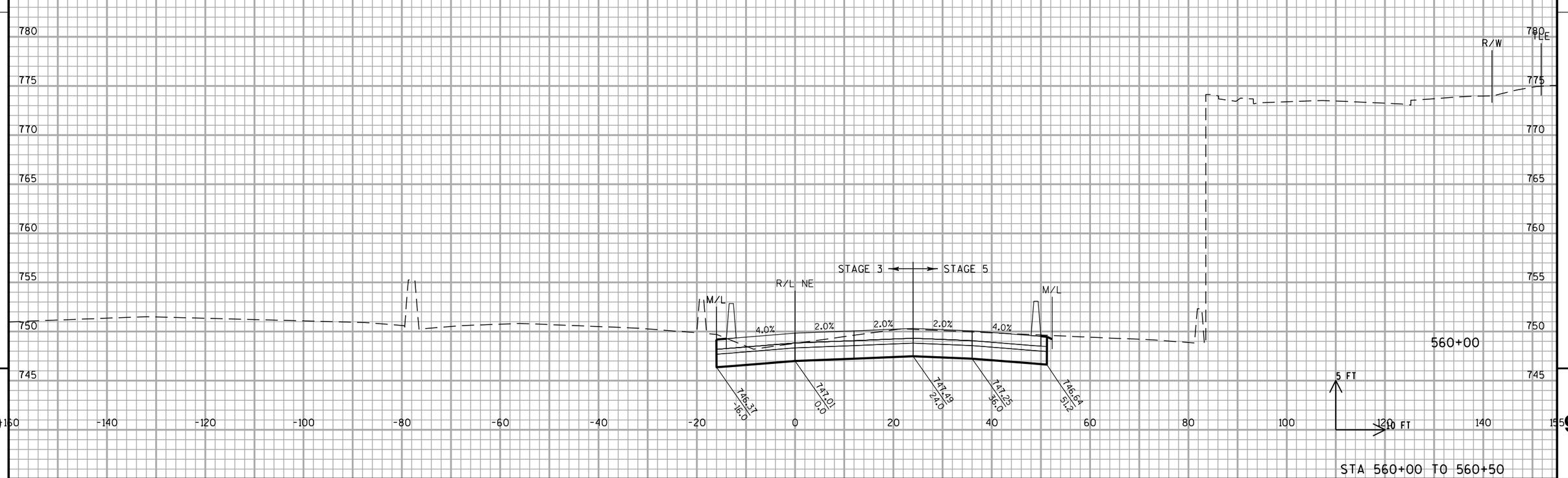
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E



STA 559+00 TO 559+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E



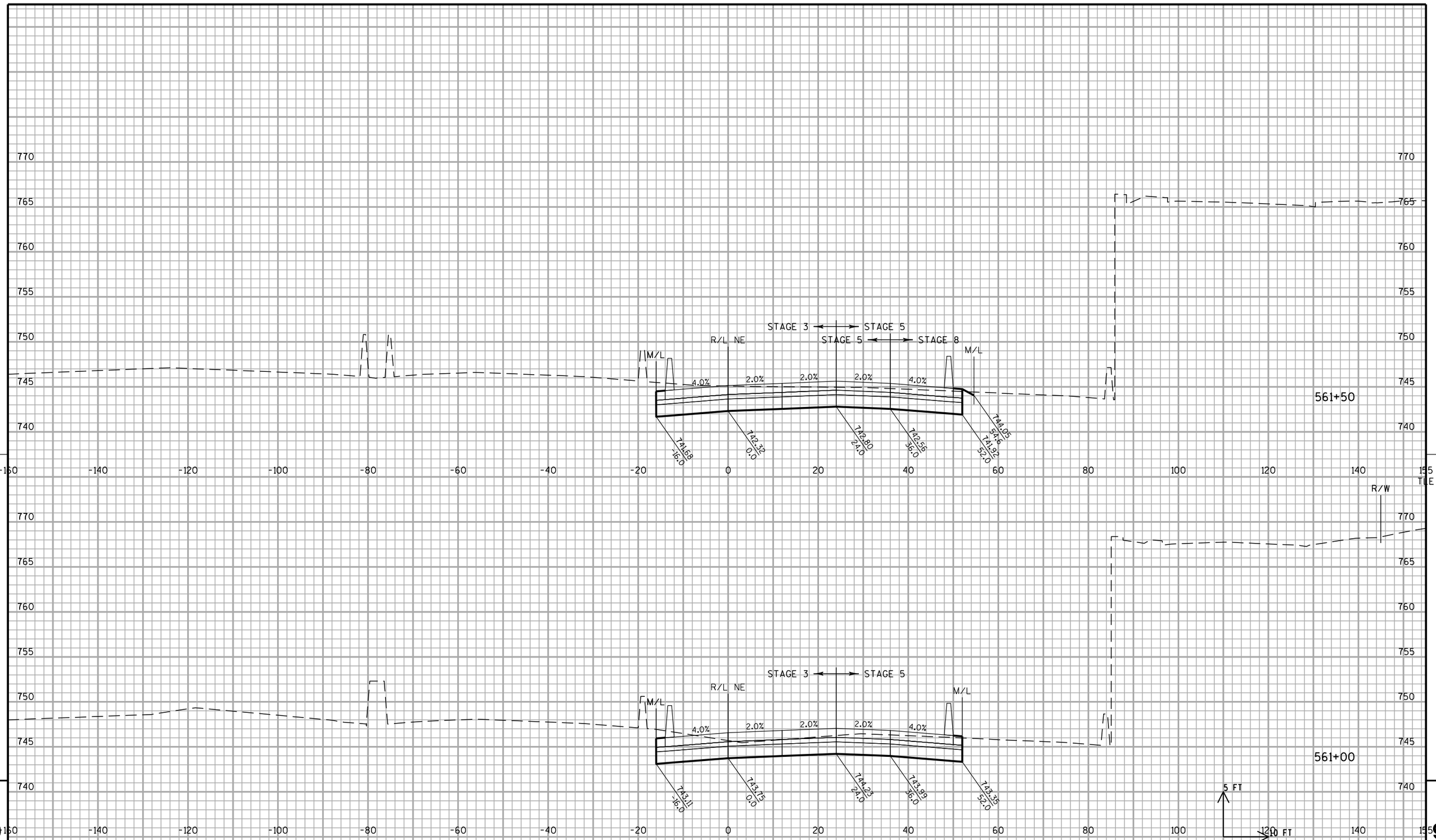


STA 560+00 TO 560+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne22 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

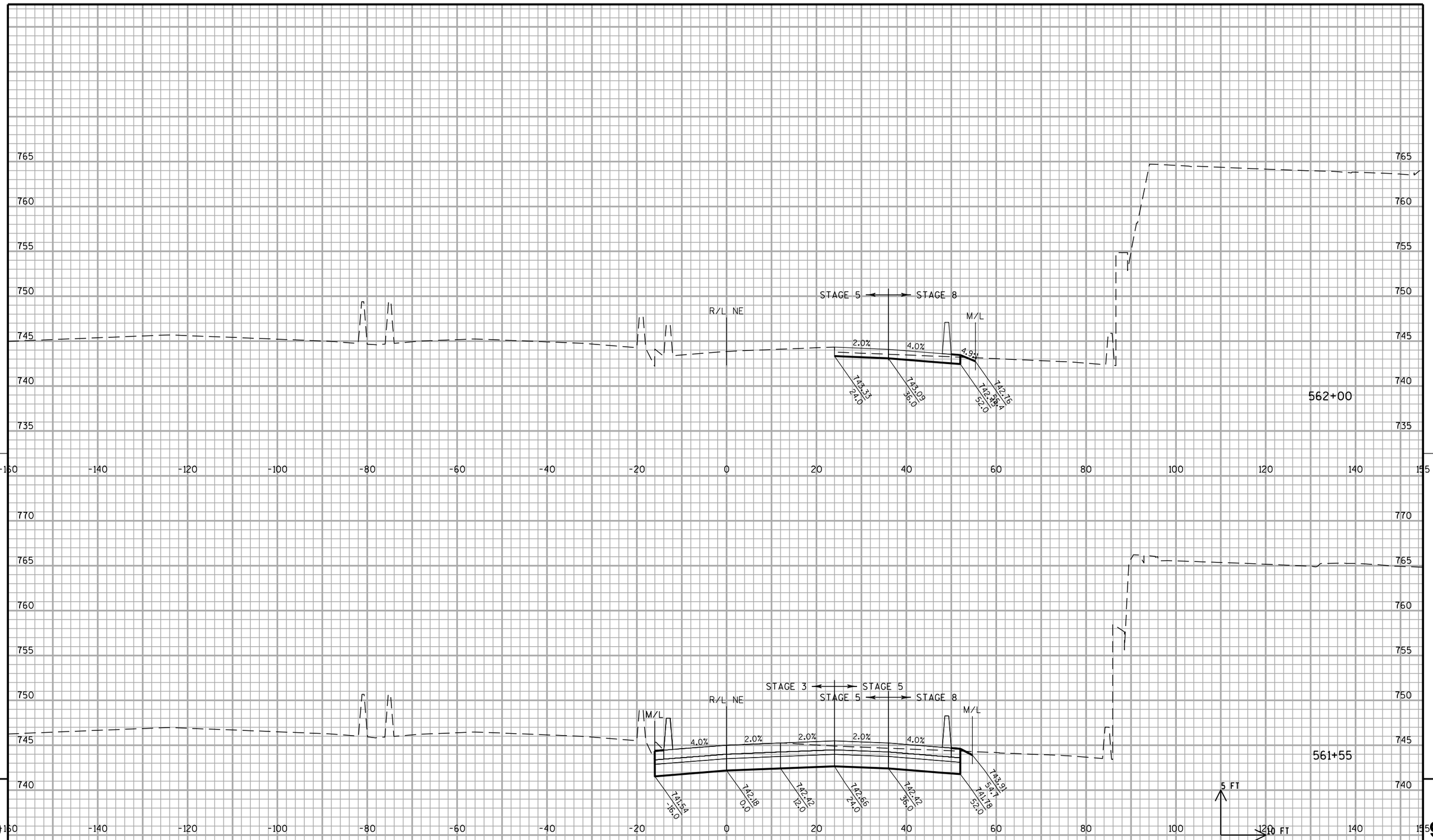
9

STA 561+00 TO 561+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne23 PLOT SCALE : 20:1

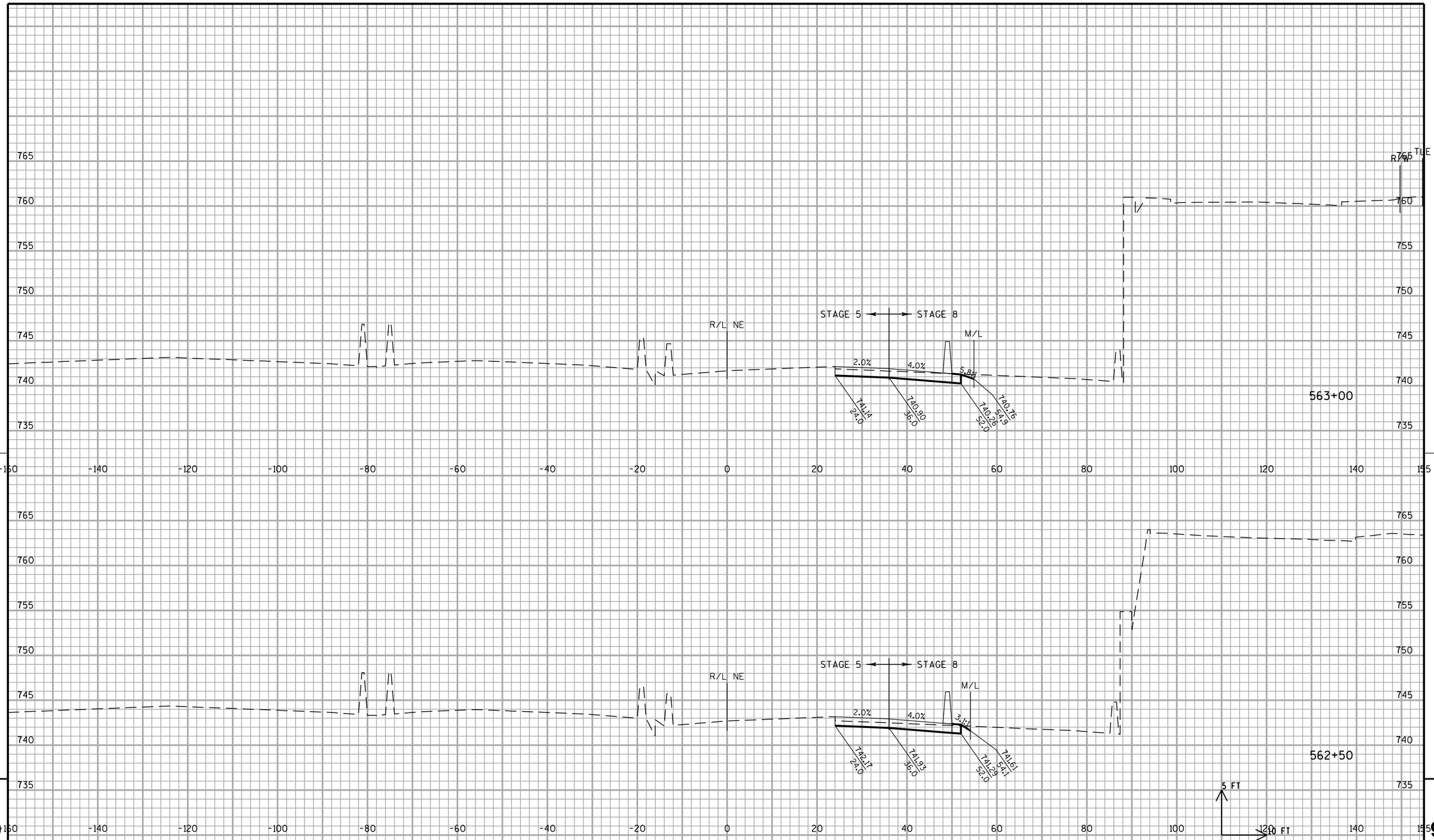
WISDOT/CADDS SHEET 21



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

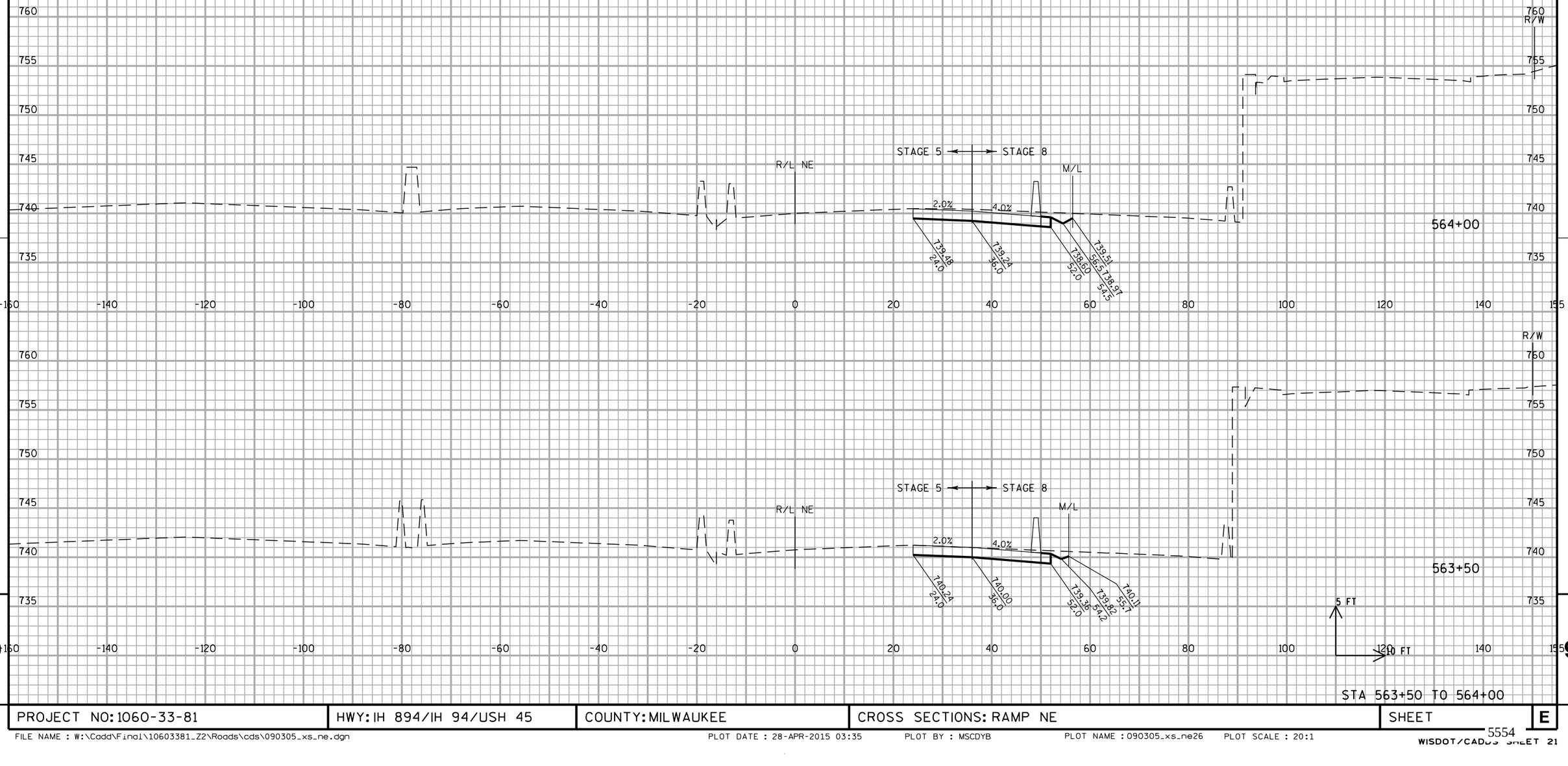
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STA 562+50 TO 563+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

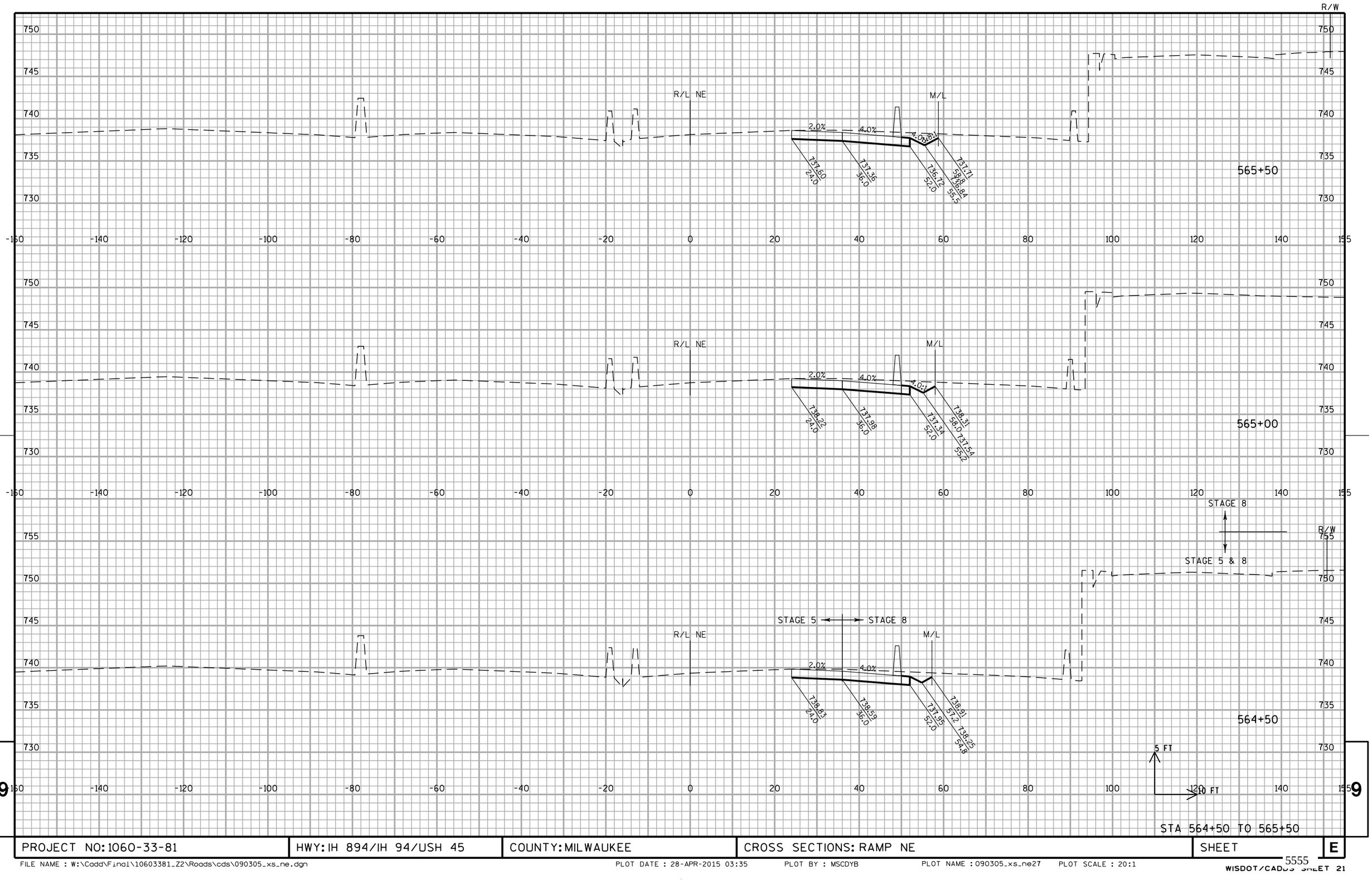
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne25 PLOT SCALE : 20:1



STA 563+50 TO 564+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne26 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne27 PLOT SCALE : 20:1

ALL WORK STAGE 8

STA 566+00 TO 567+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne28 PLOT SCALE : 20:1

ALL WORK STAGE 8

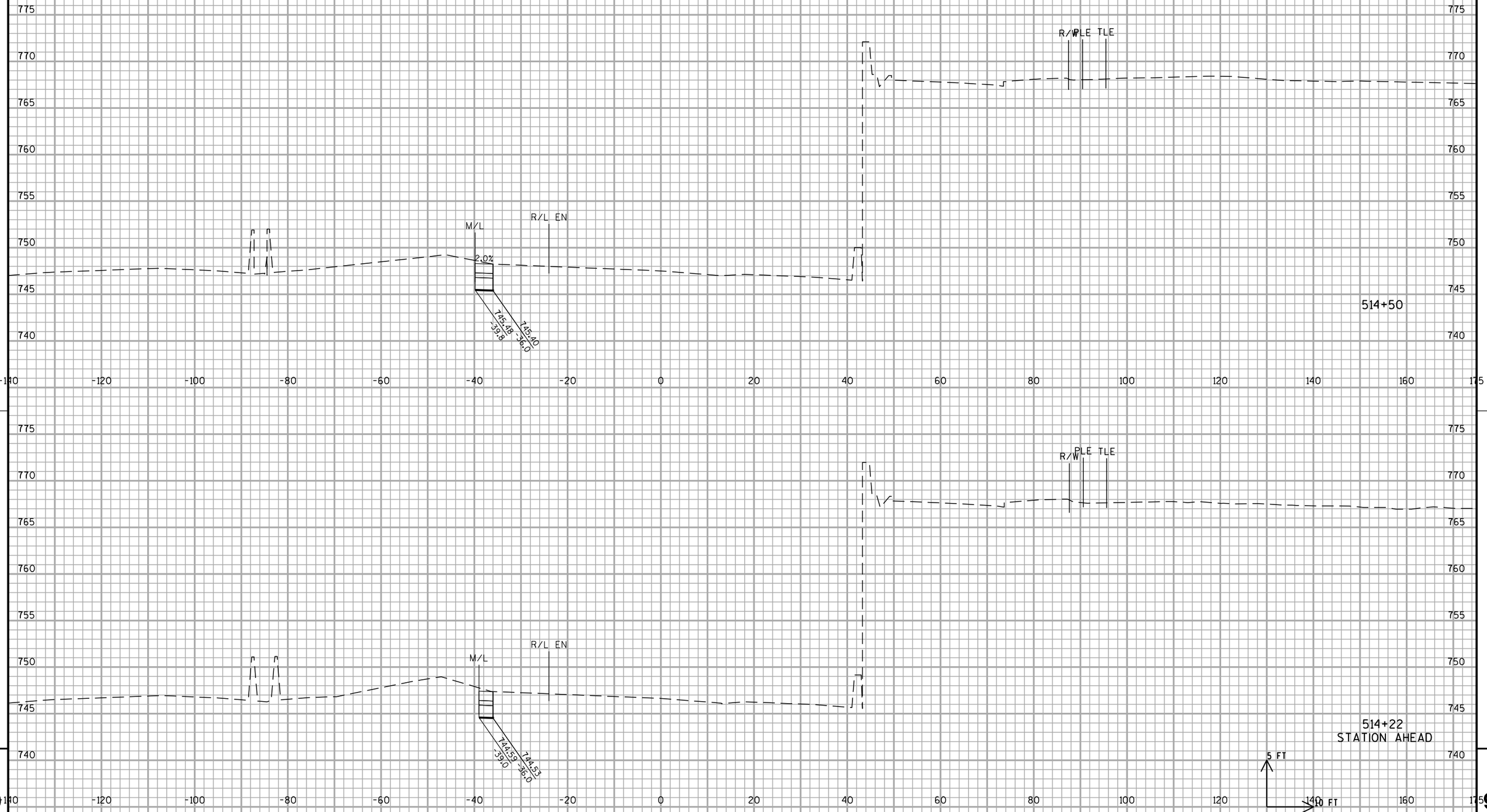
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NE	SHEET	E

STA 567+50 TO 568+26

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090305_xs_ne.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090305_xs_ne29 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



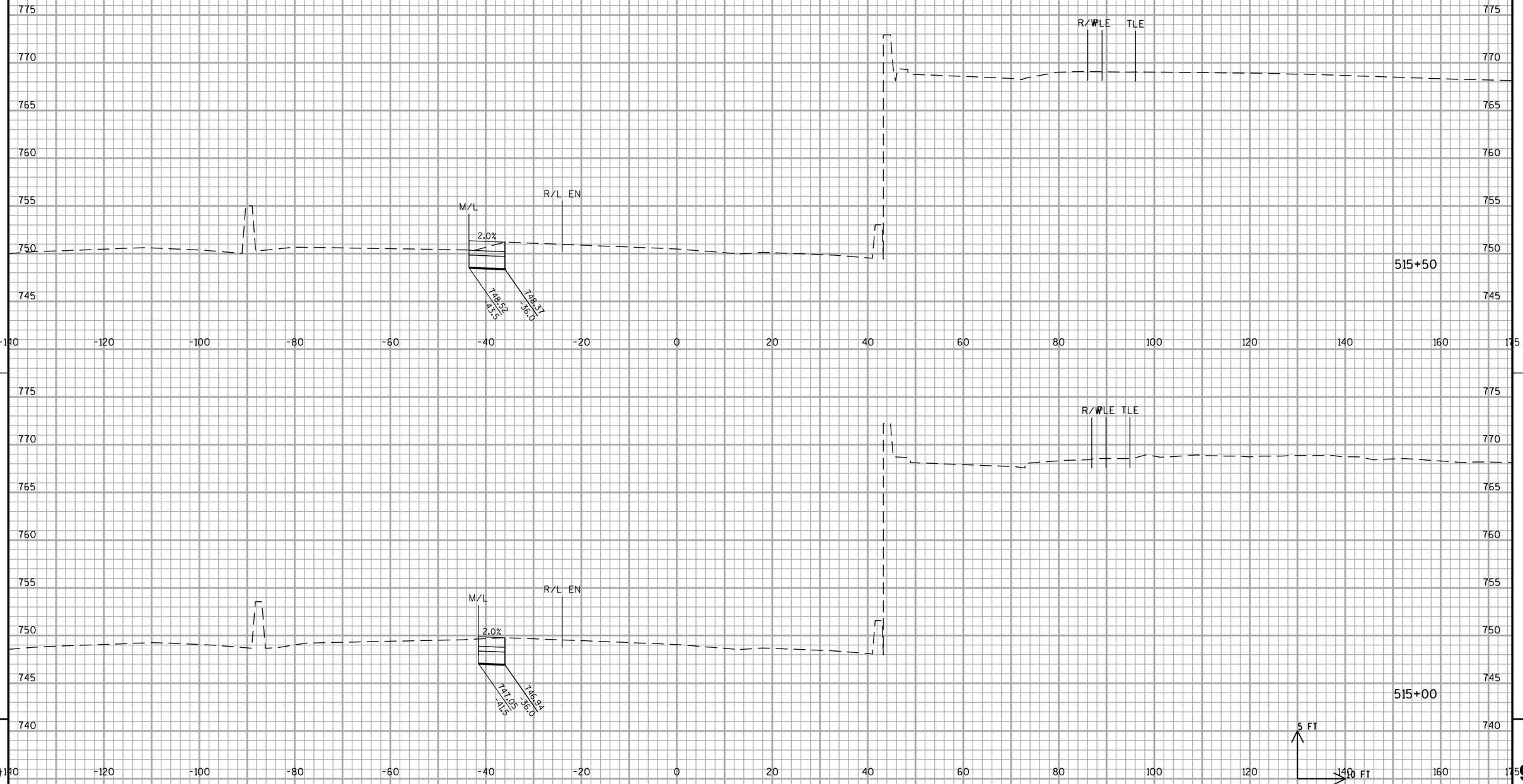
STA 514+22 TO 514+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en PLOT SCALE : 20:1

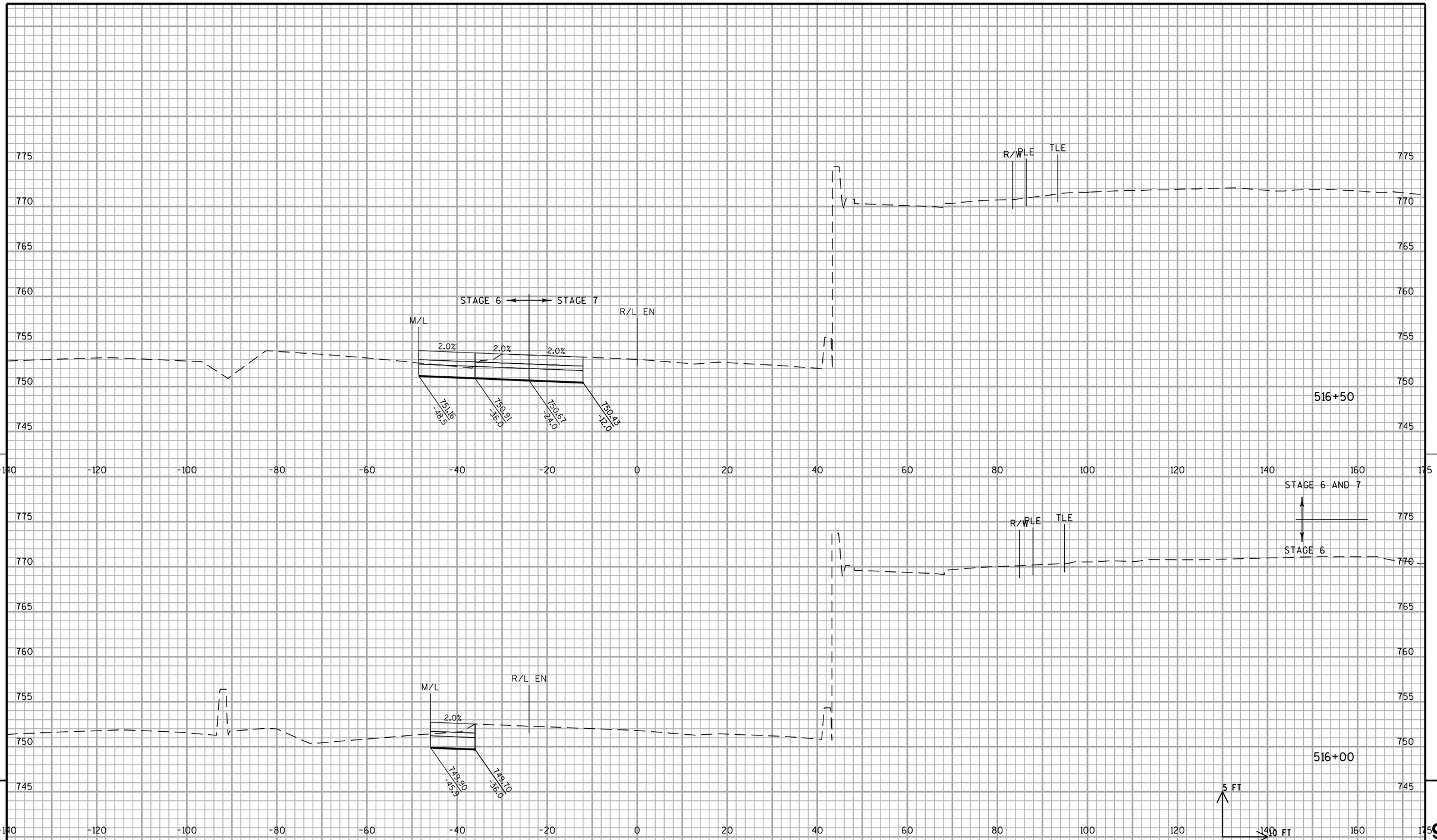
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



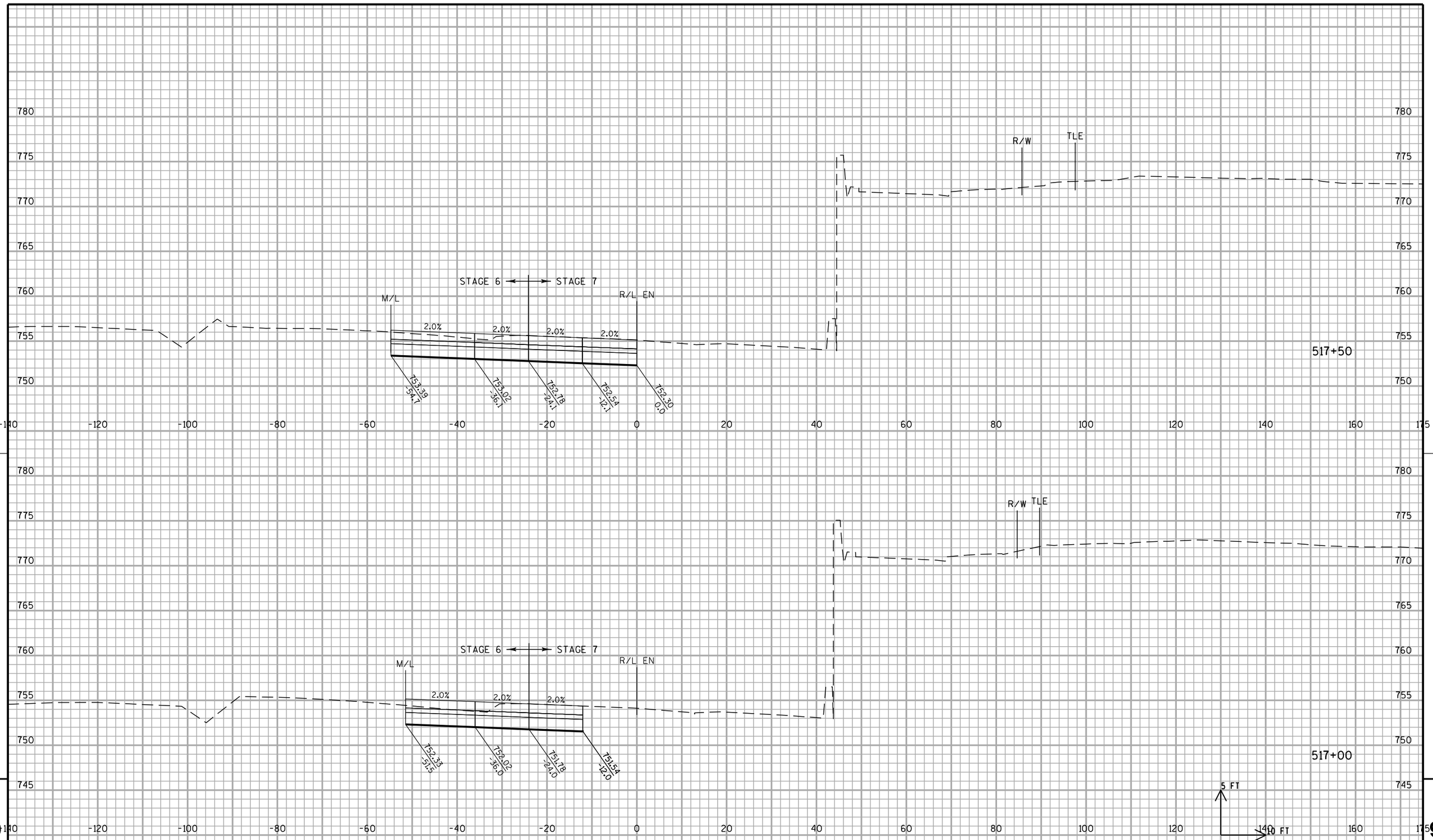
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en1 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

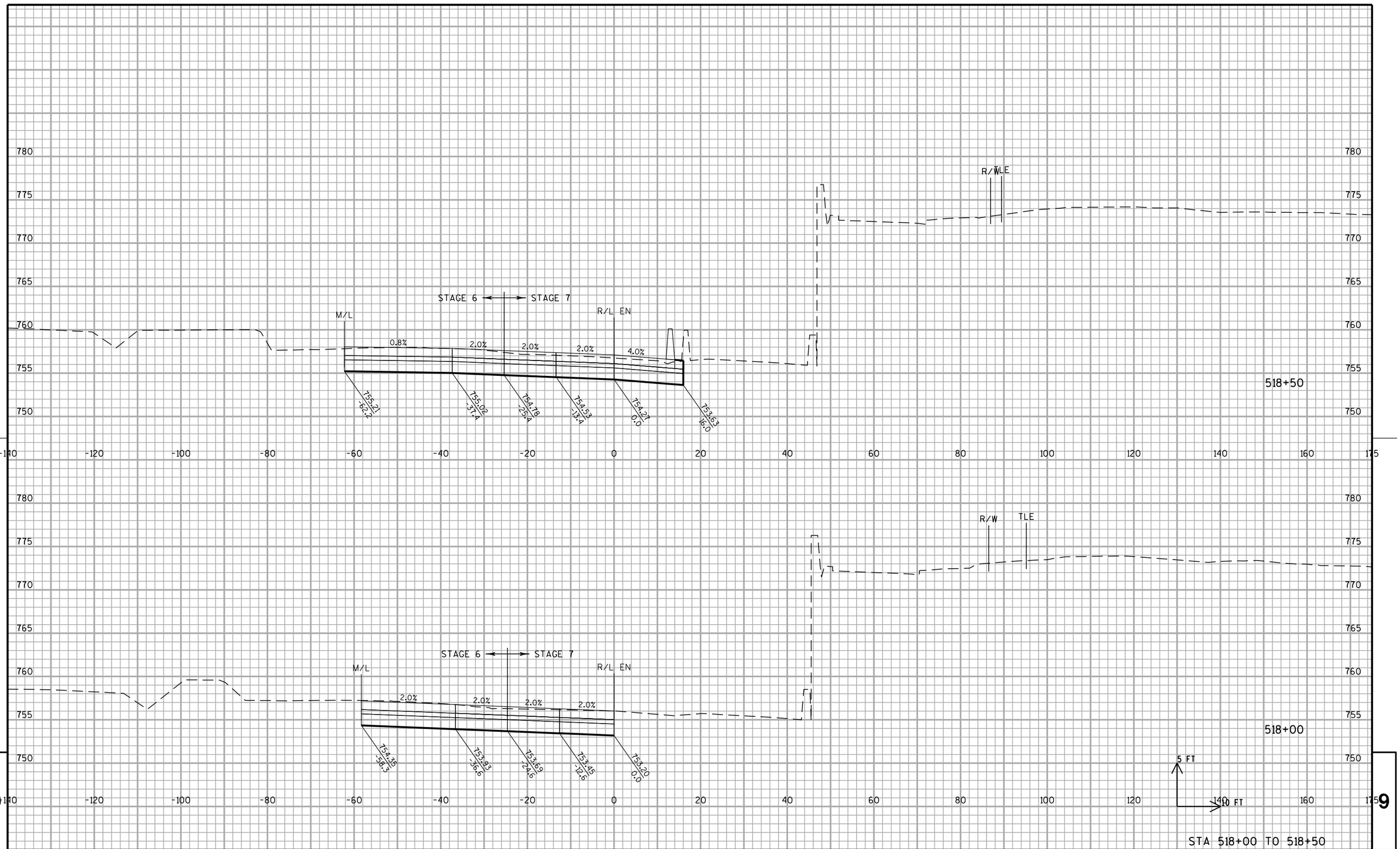
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en2 PLOT SCALE : 20:1



STA 517+00 TO 517+50

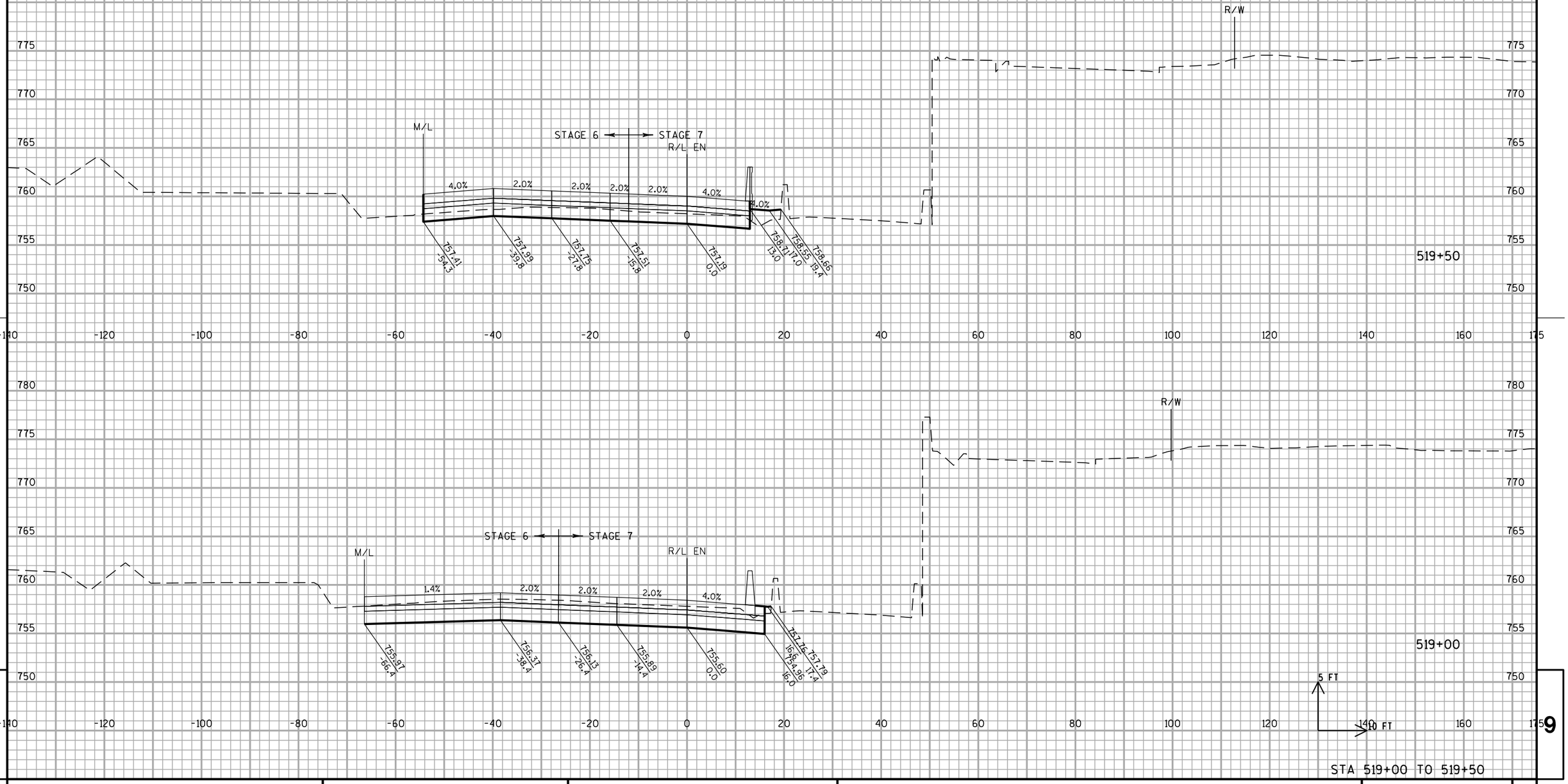
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en3 PLOT SCALE : 20:1



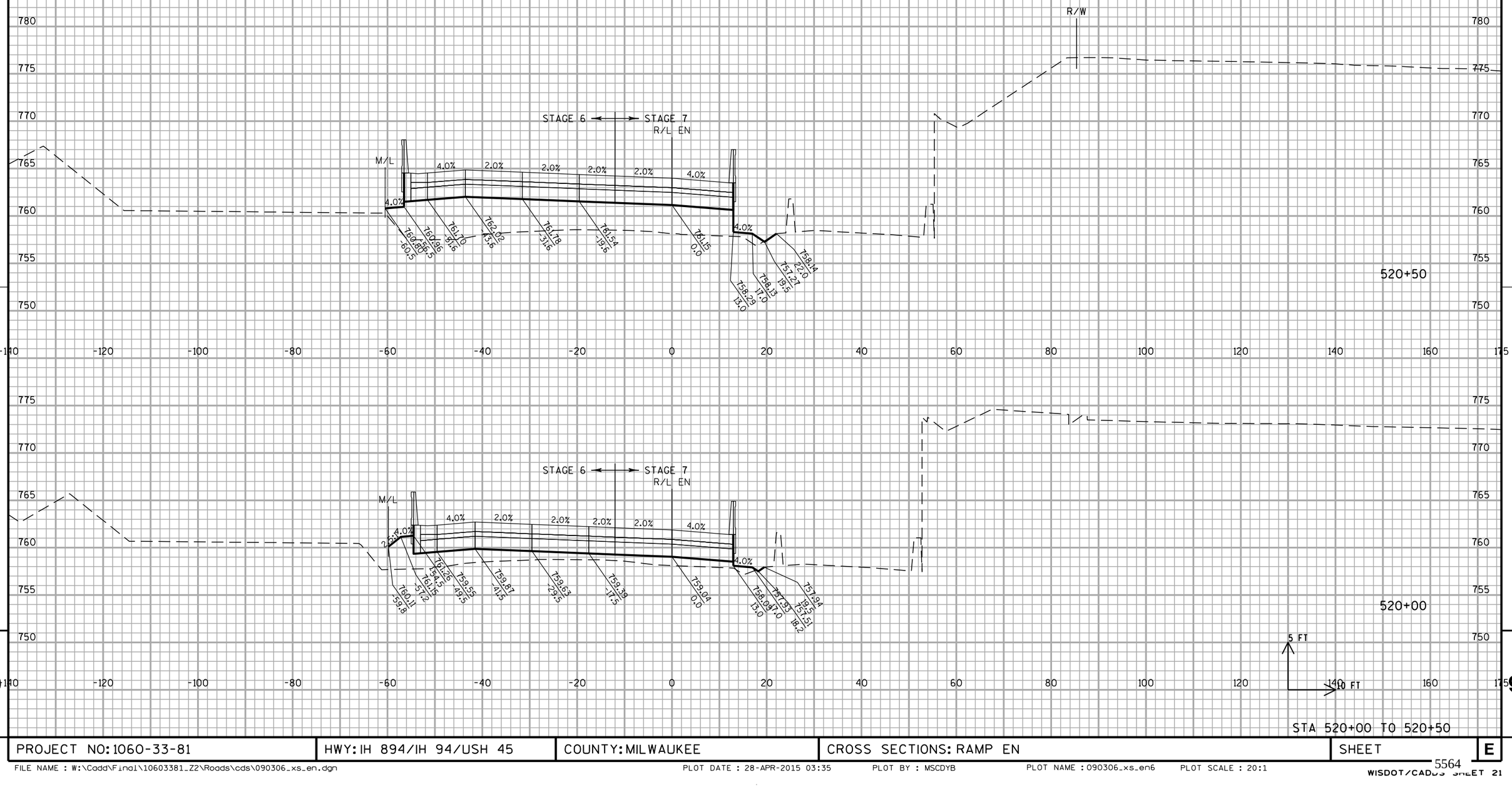
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en4 PLOT SCALE : 20:1

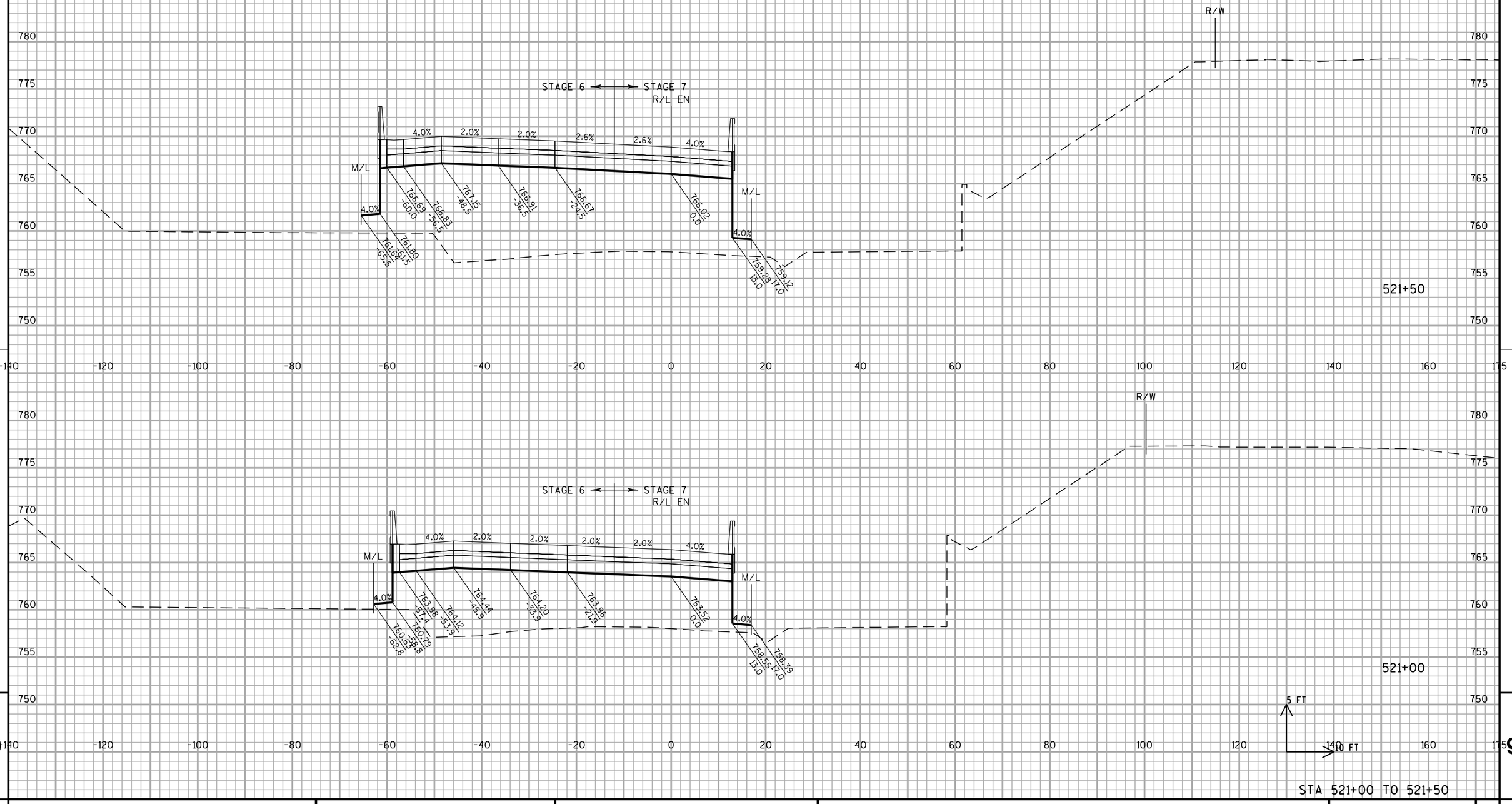


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

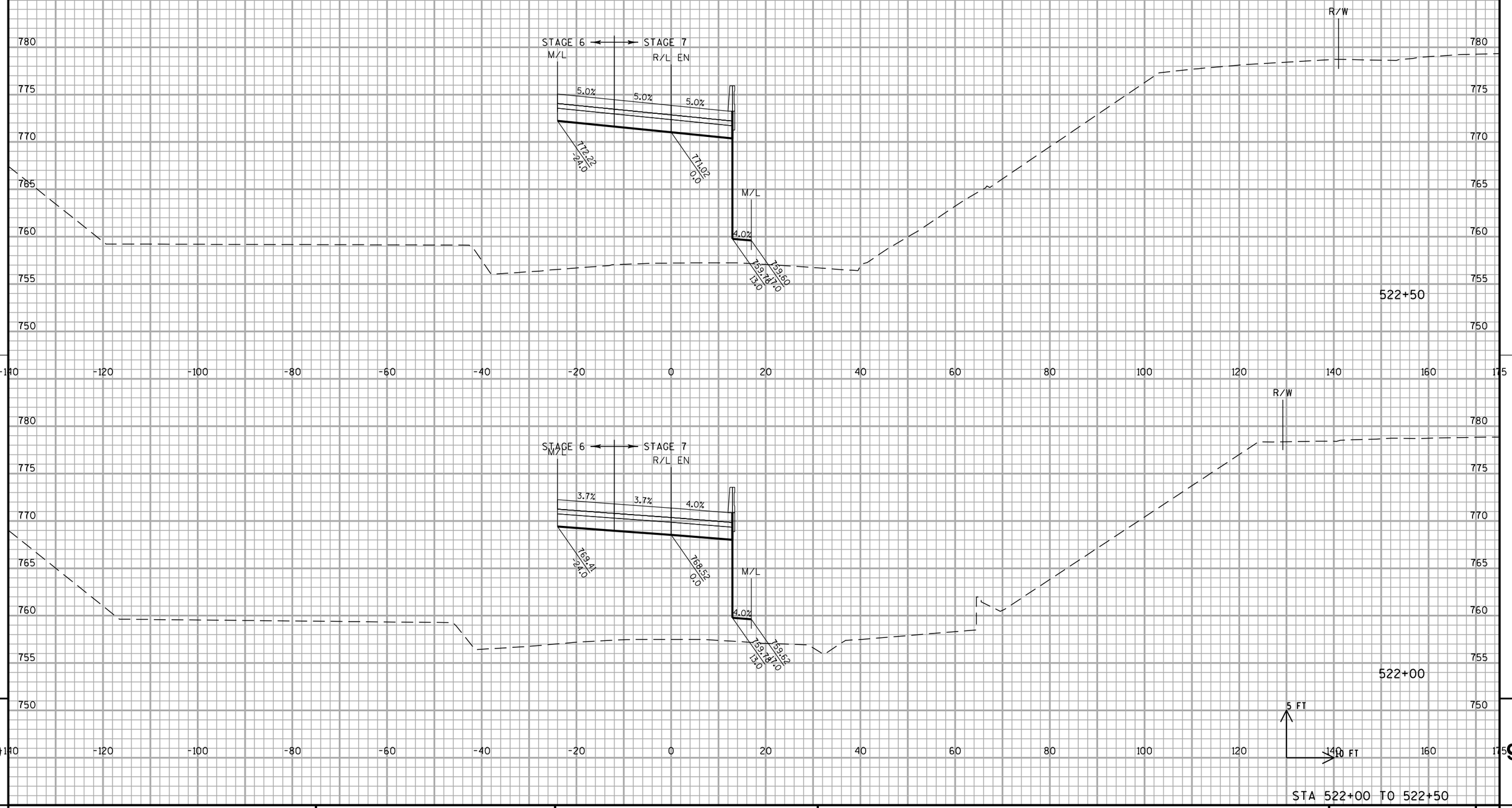
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PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E



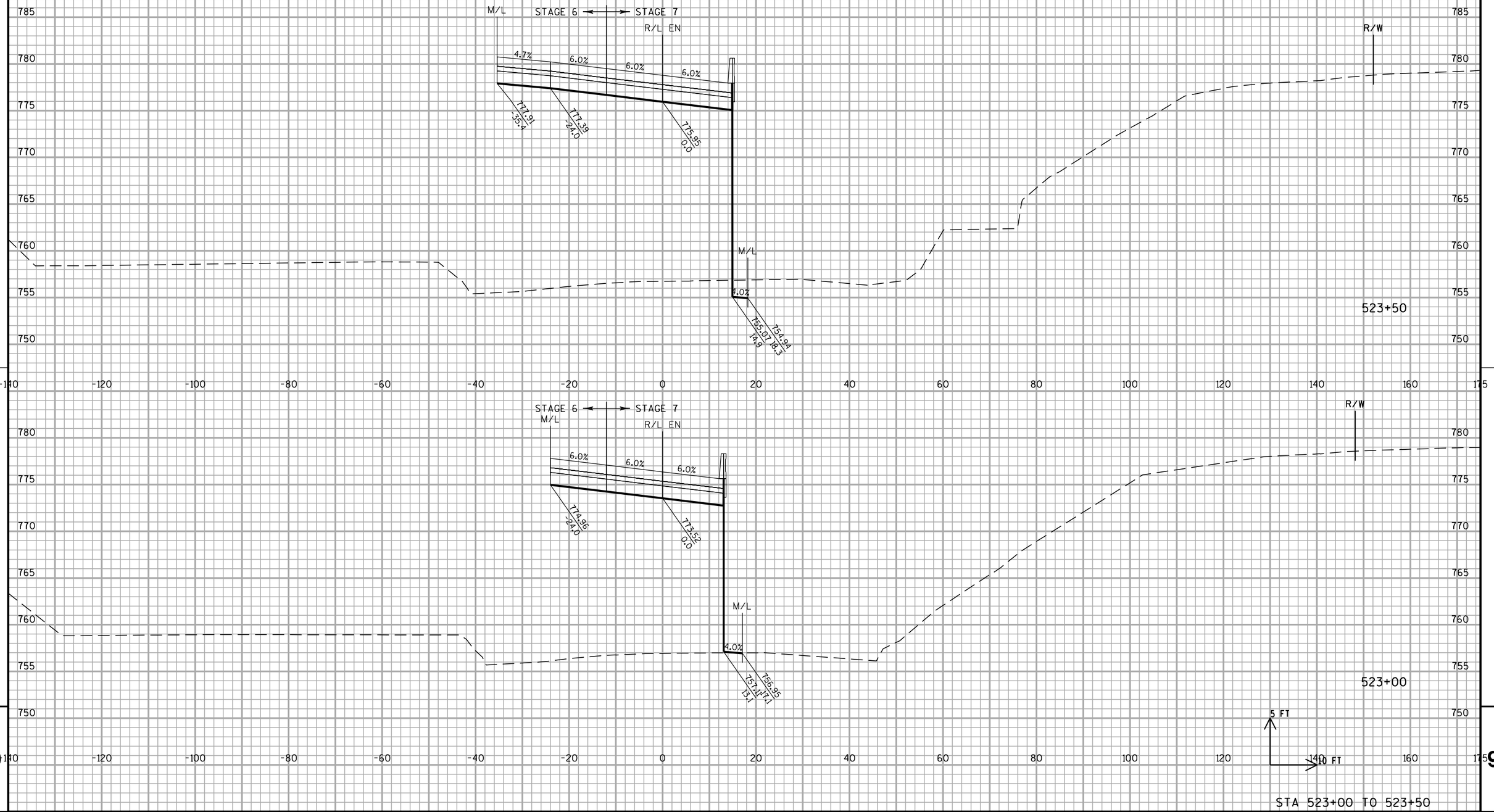
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET E



STA 522+00 TO 522+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

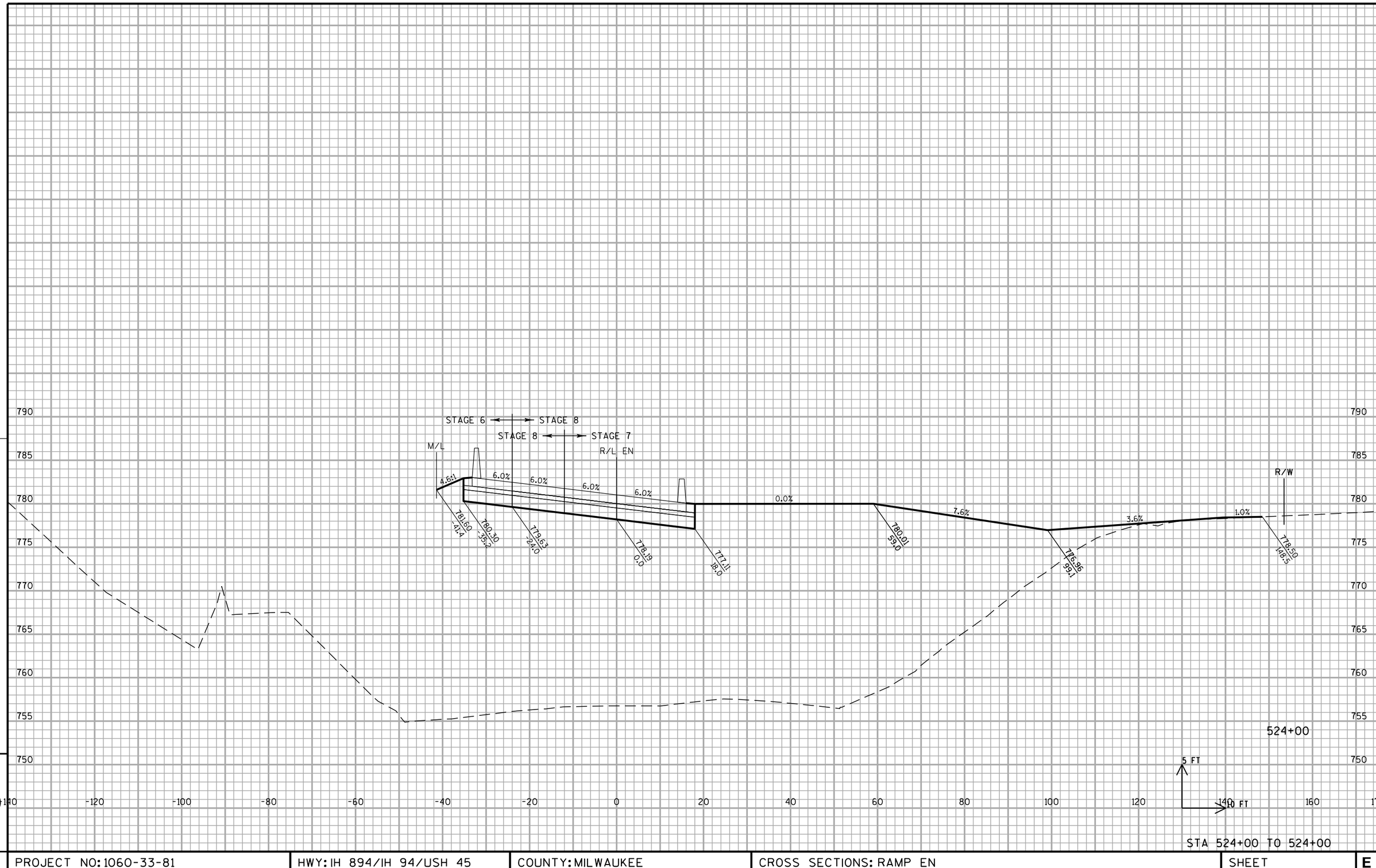
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STA 523+00 TO 523+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

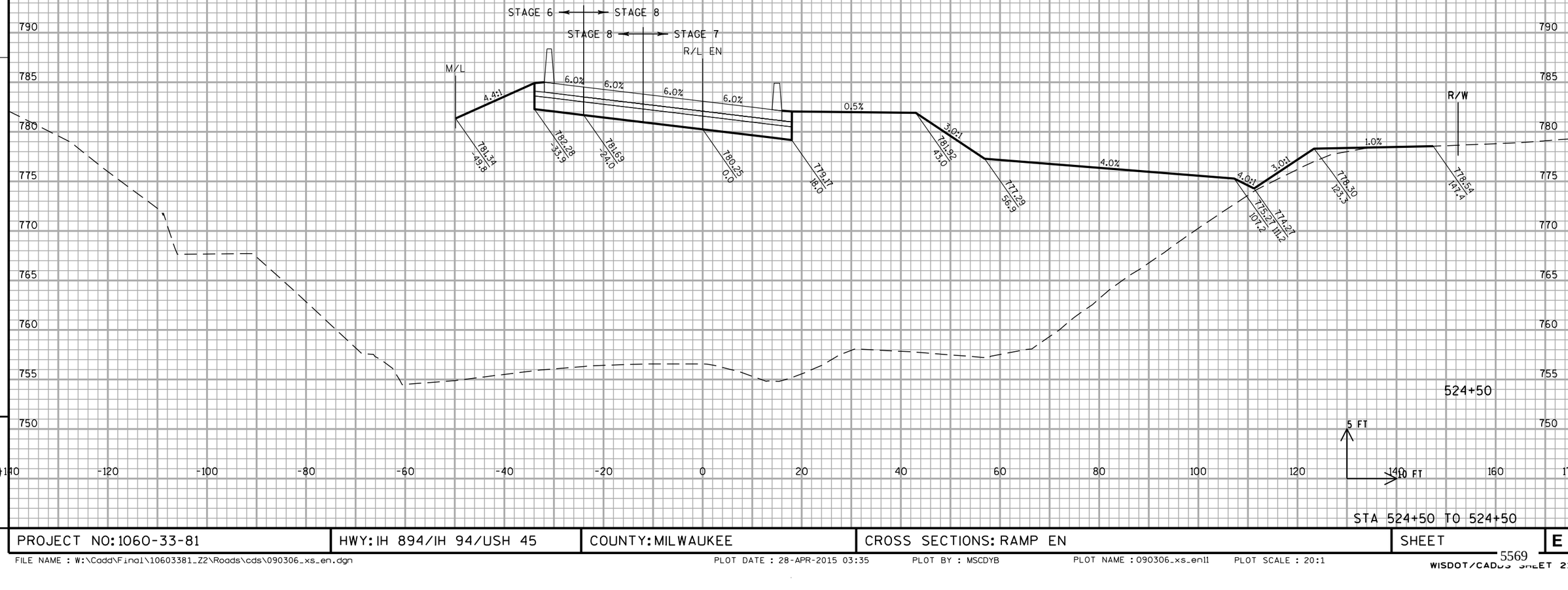
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en9 PLOT SCALE : 20:1



STA 524+00 TO 524+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

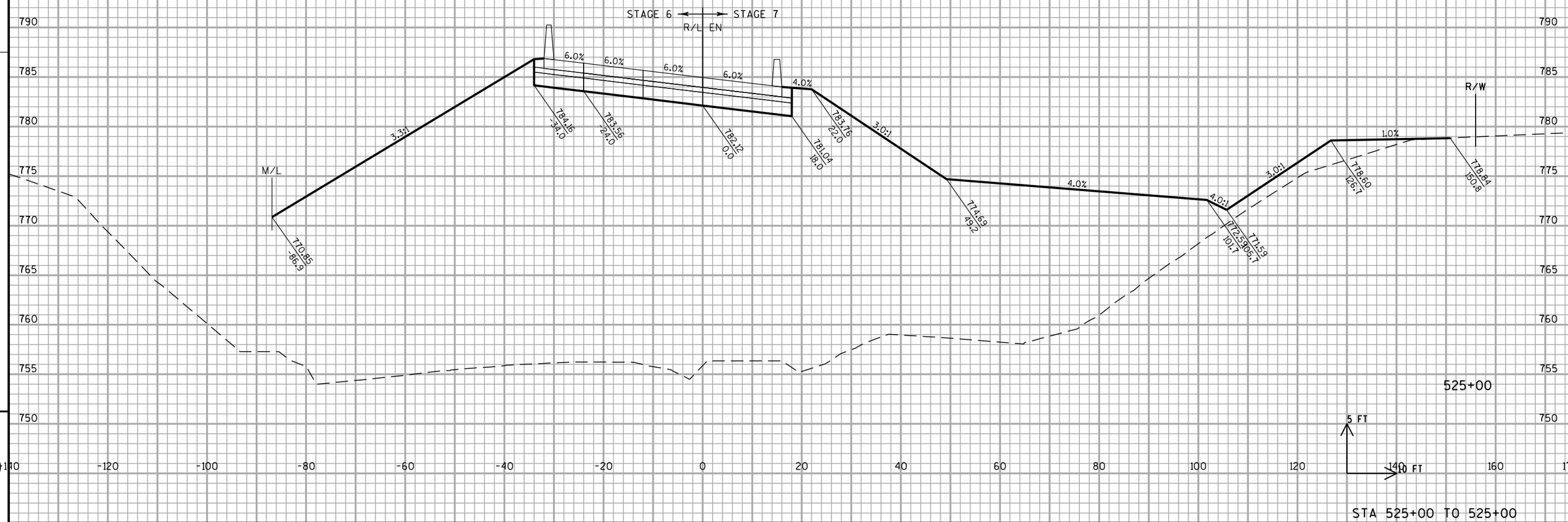
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en10 PLOT SCALE : 20:1



STA 524+50 TO 524+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en11 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

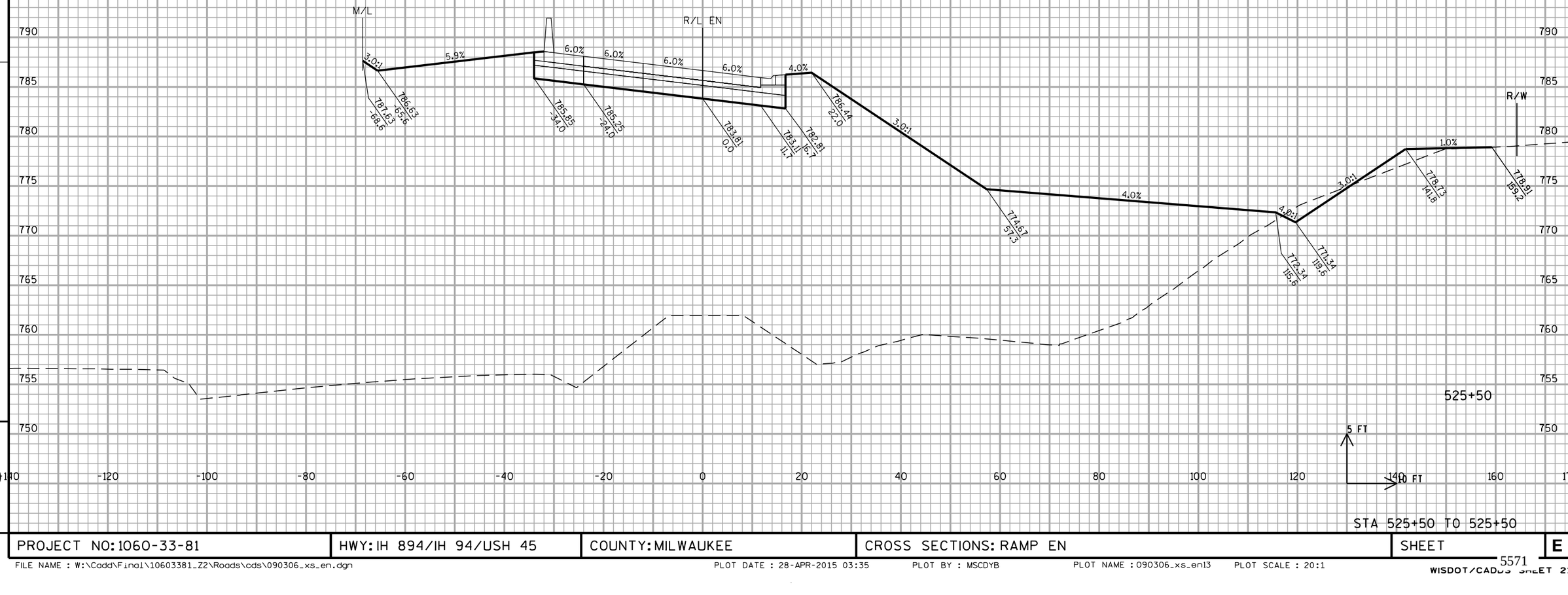


STA 525+00 TO 525+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en12 PLOT SCALE : 20:1

ALL WORK STAGE 6



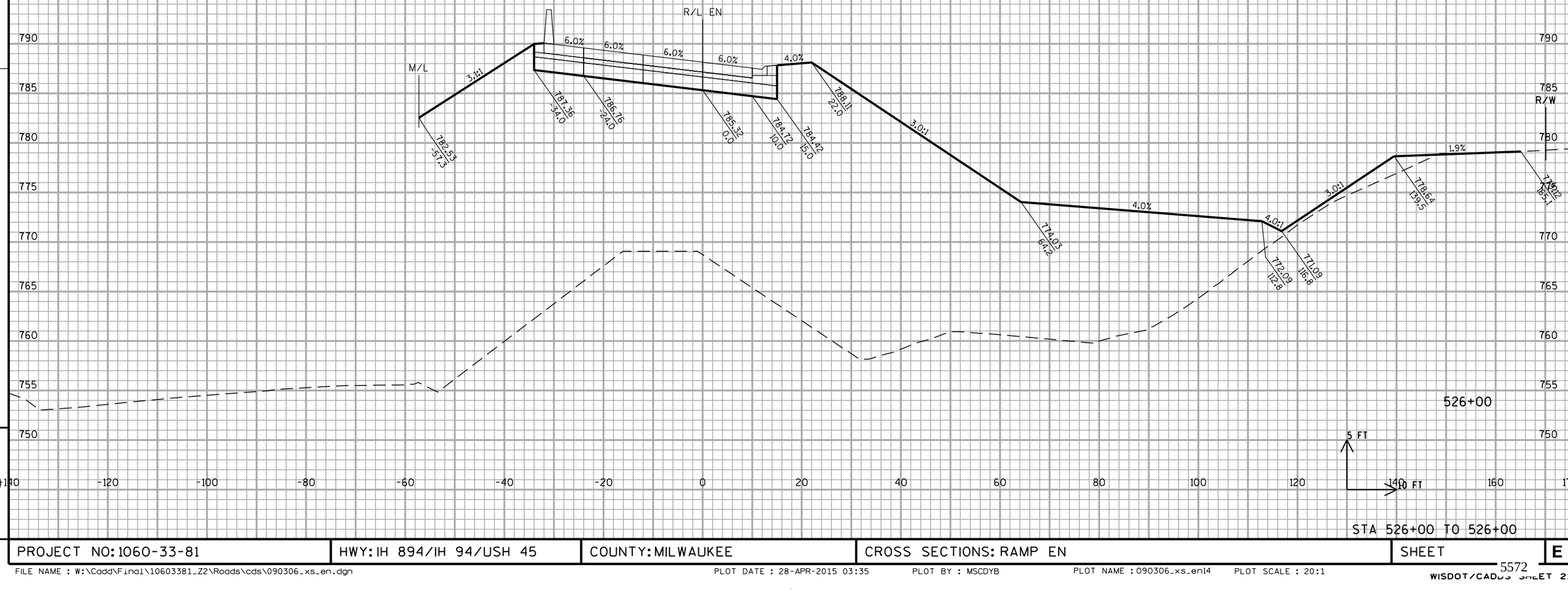
STA 525+50 TO 525+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

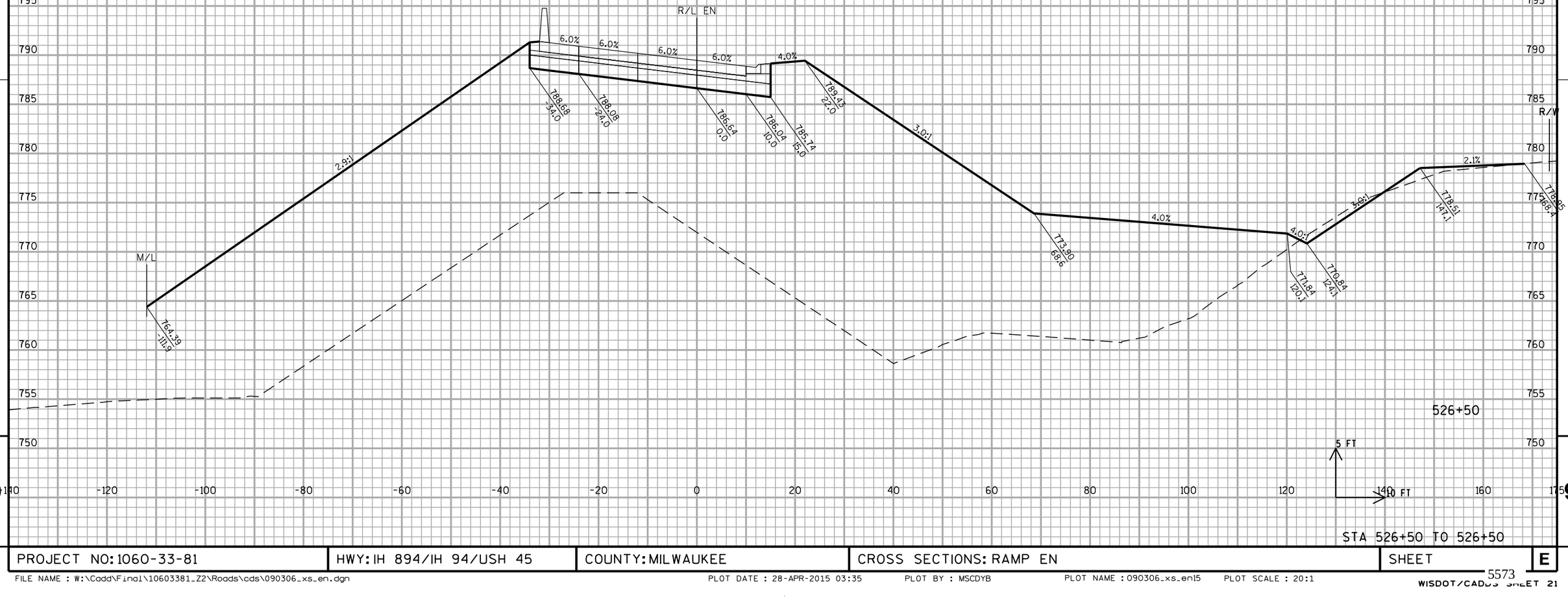
ALL WORK STAGE 6



STA 526+00 TO 526+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

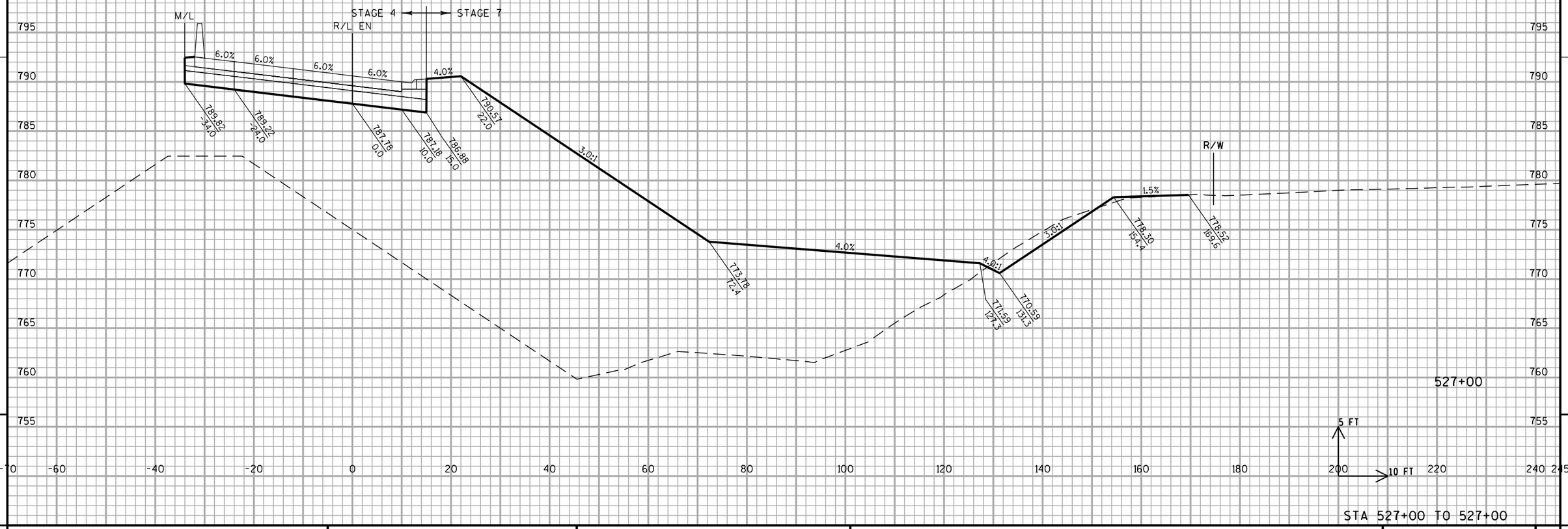
ALL WORK STAGE 6



STA 526+50 TO 526+50

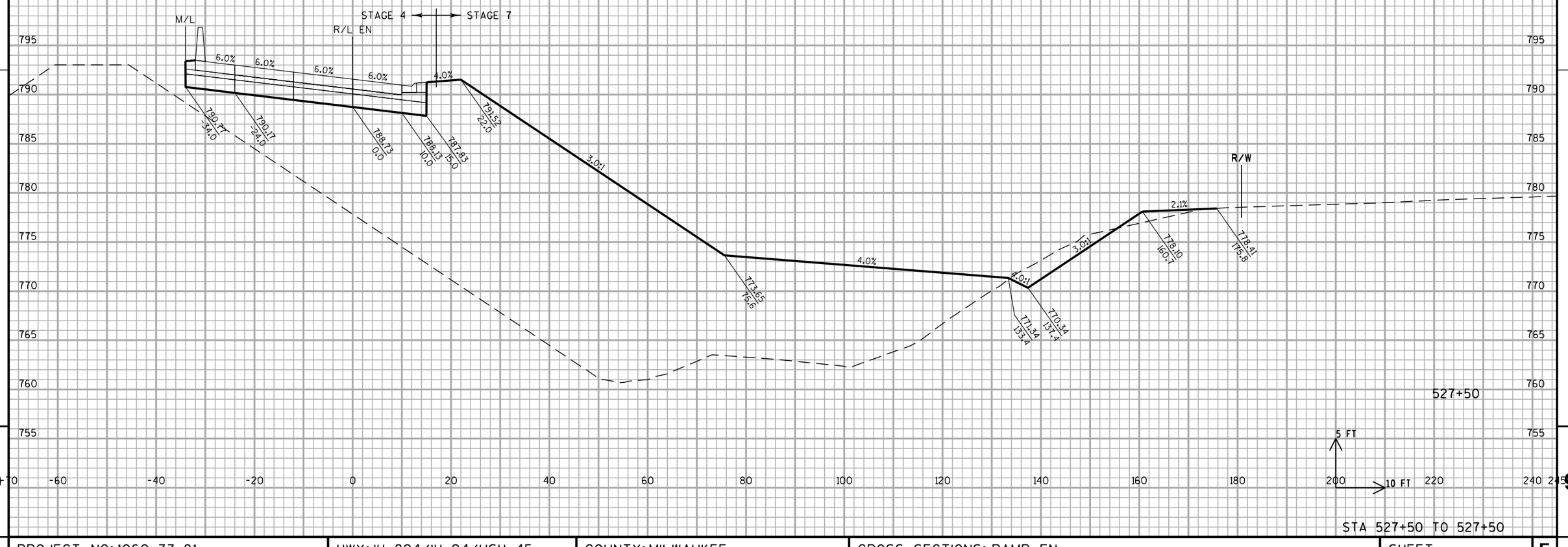
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en15 PLOT SCALE : 20:1



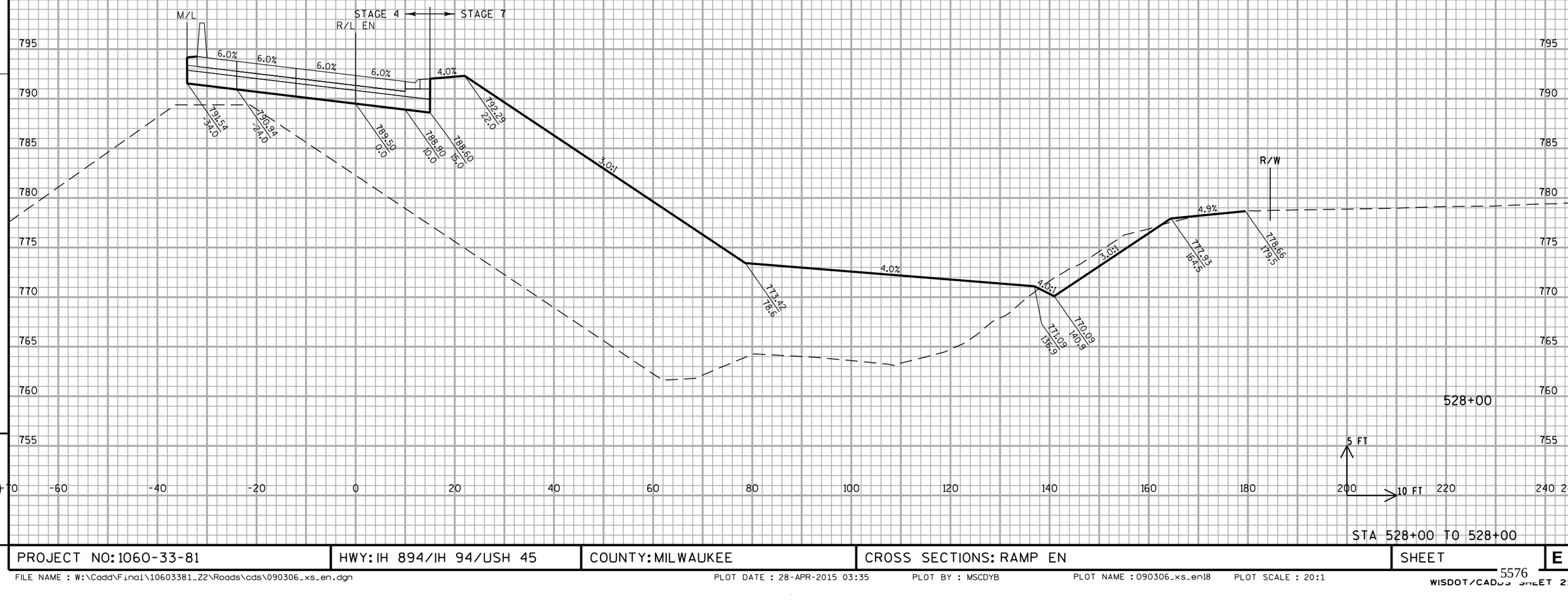
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en16 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

STA 527+50 TO 527+50



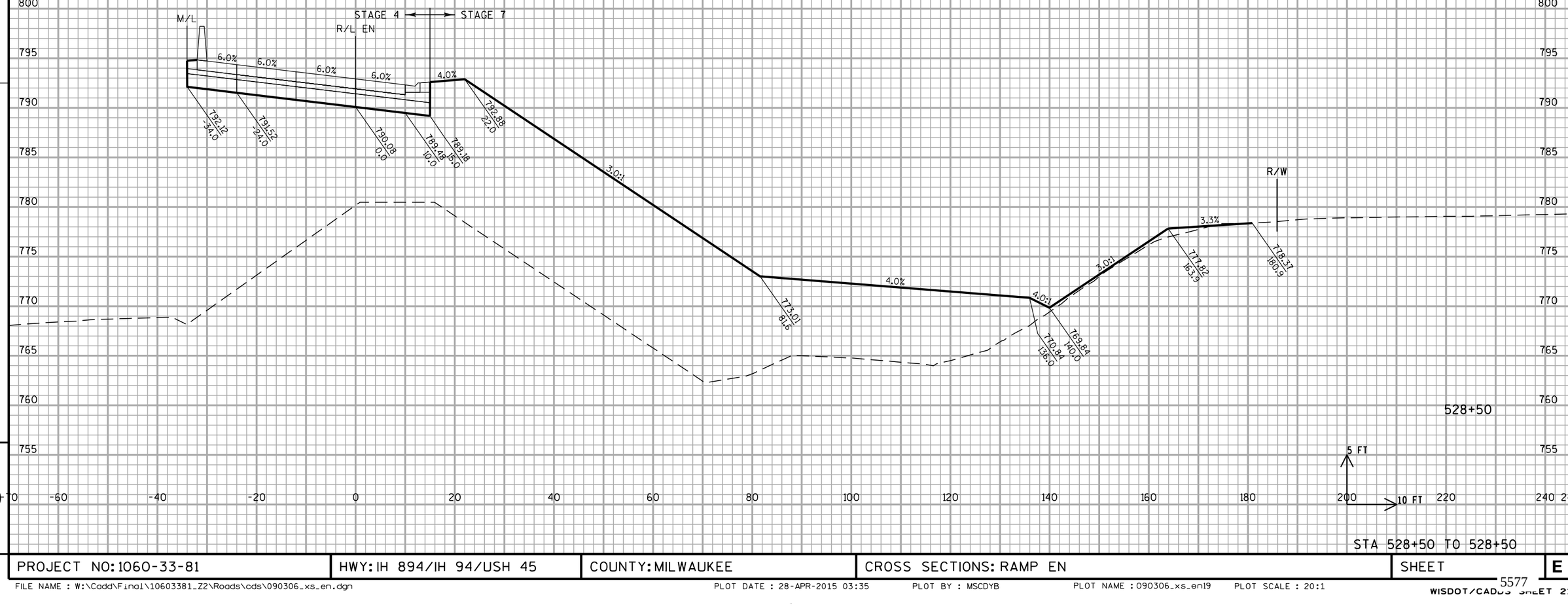
9

STA 528+00 TO 528+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en18 PLOT SCALE : 20:1

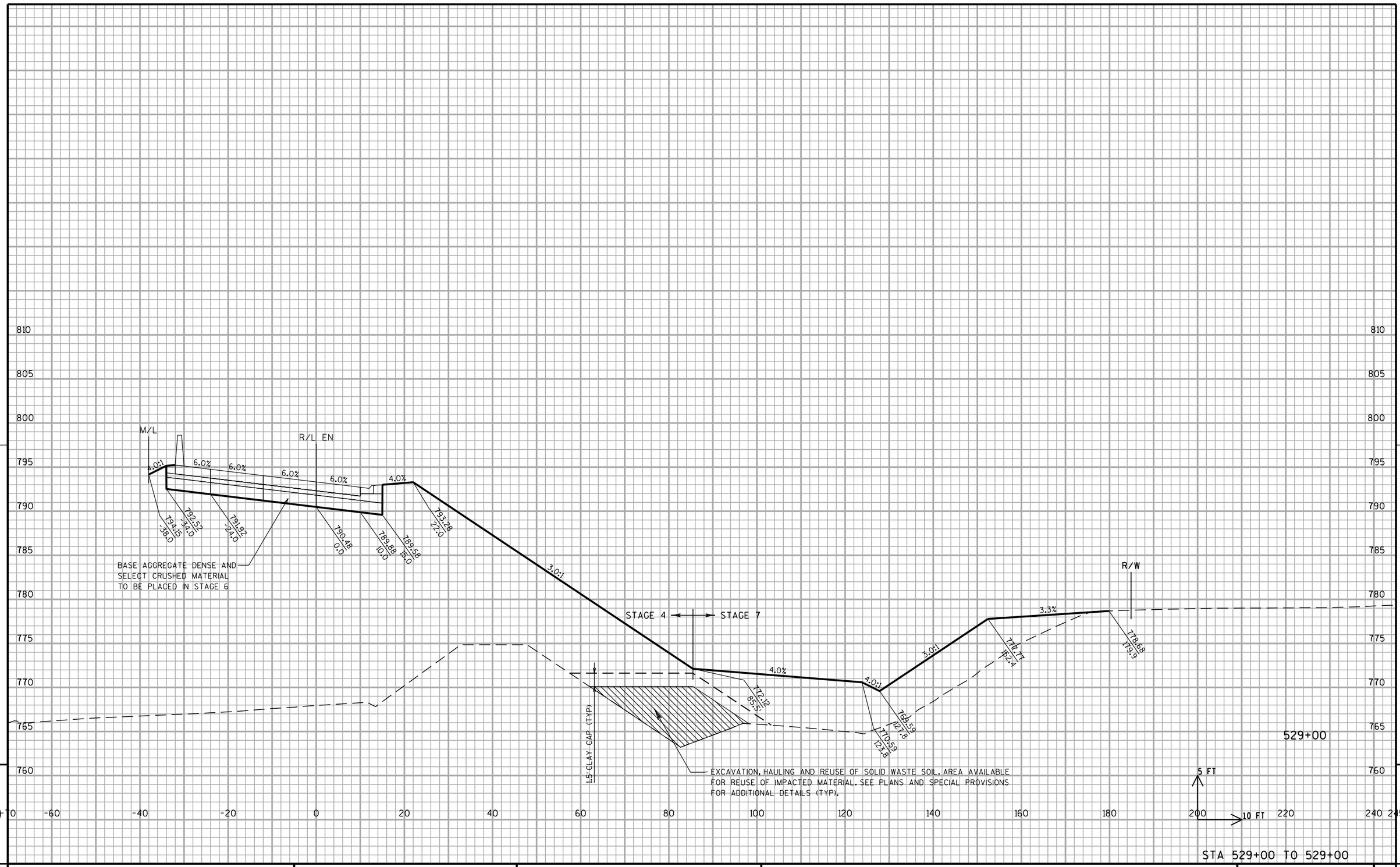
WISDOT/CADDS SHEET 21



STA 528+50 TO 528+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

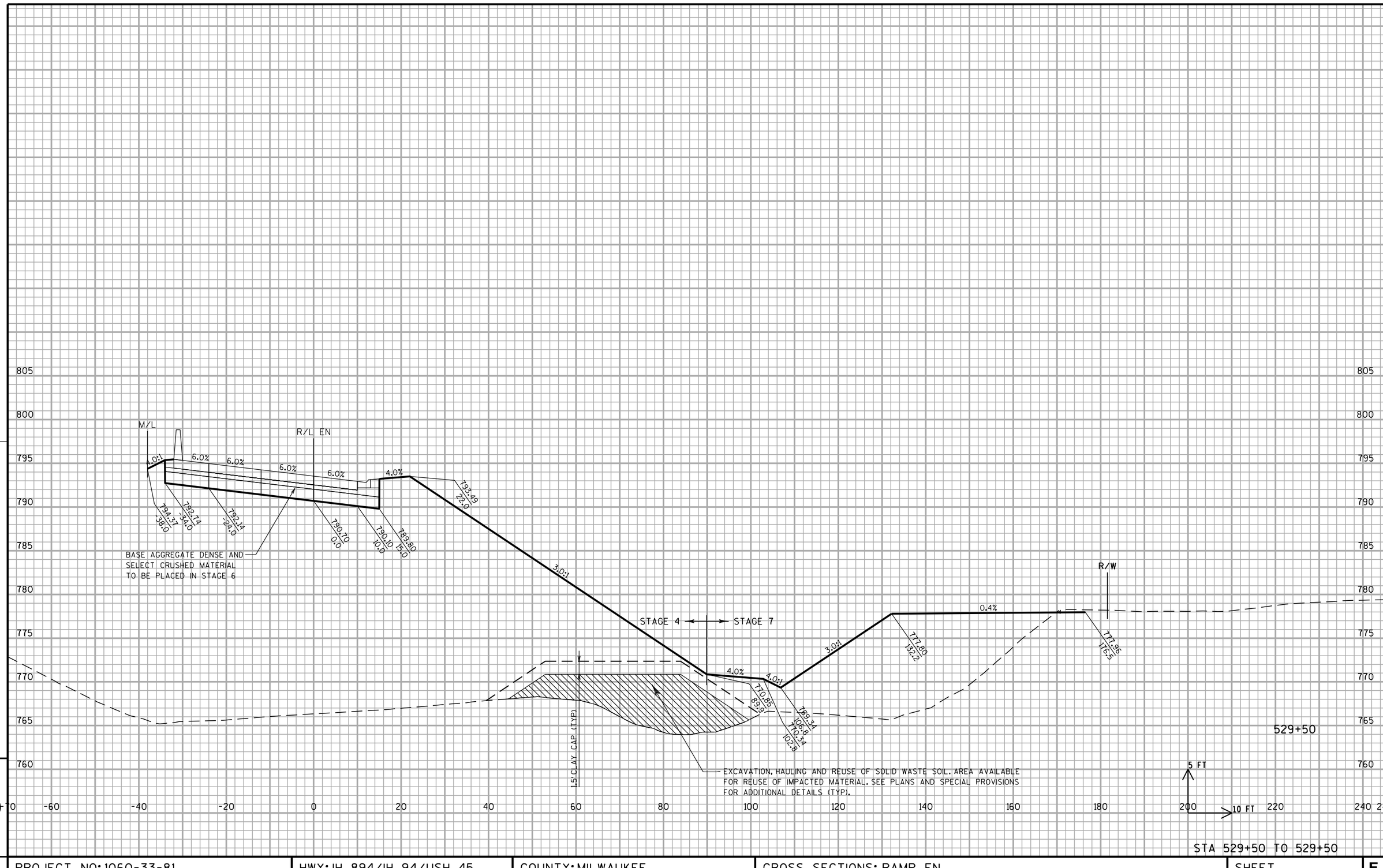
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en19 PLOT SCALE : 20:1



STA 529+00 TO 529+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en20 PLOT SCALE : 20:1

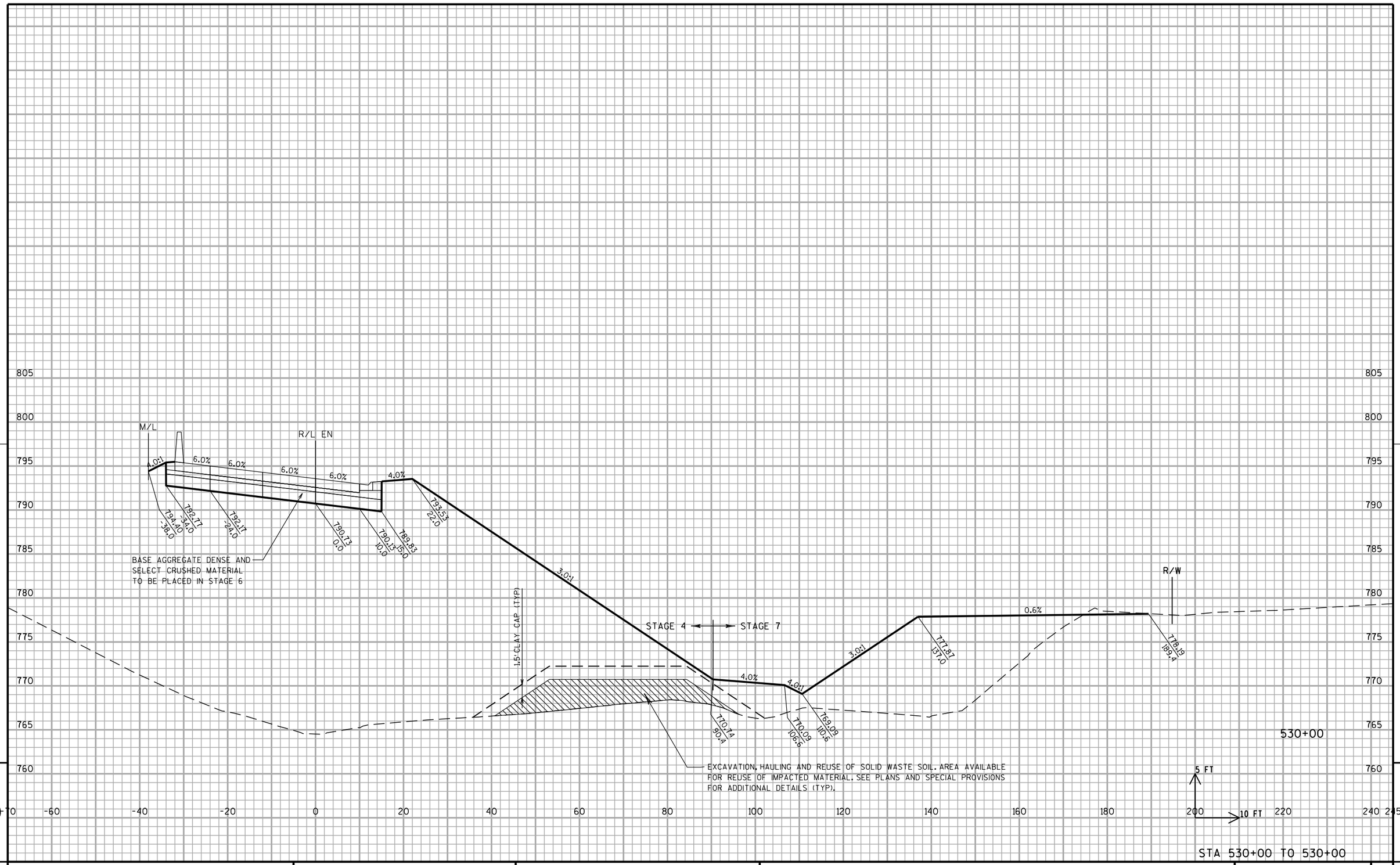


STA 529+50 TO 529+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

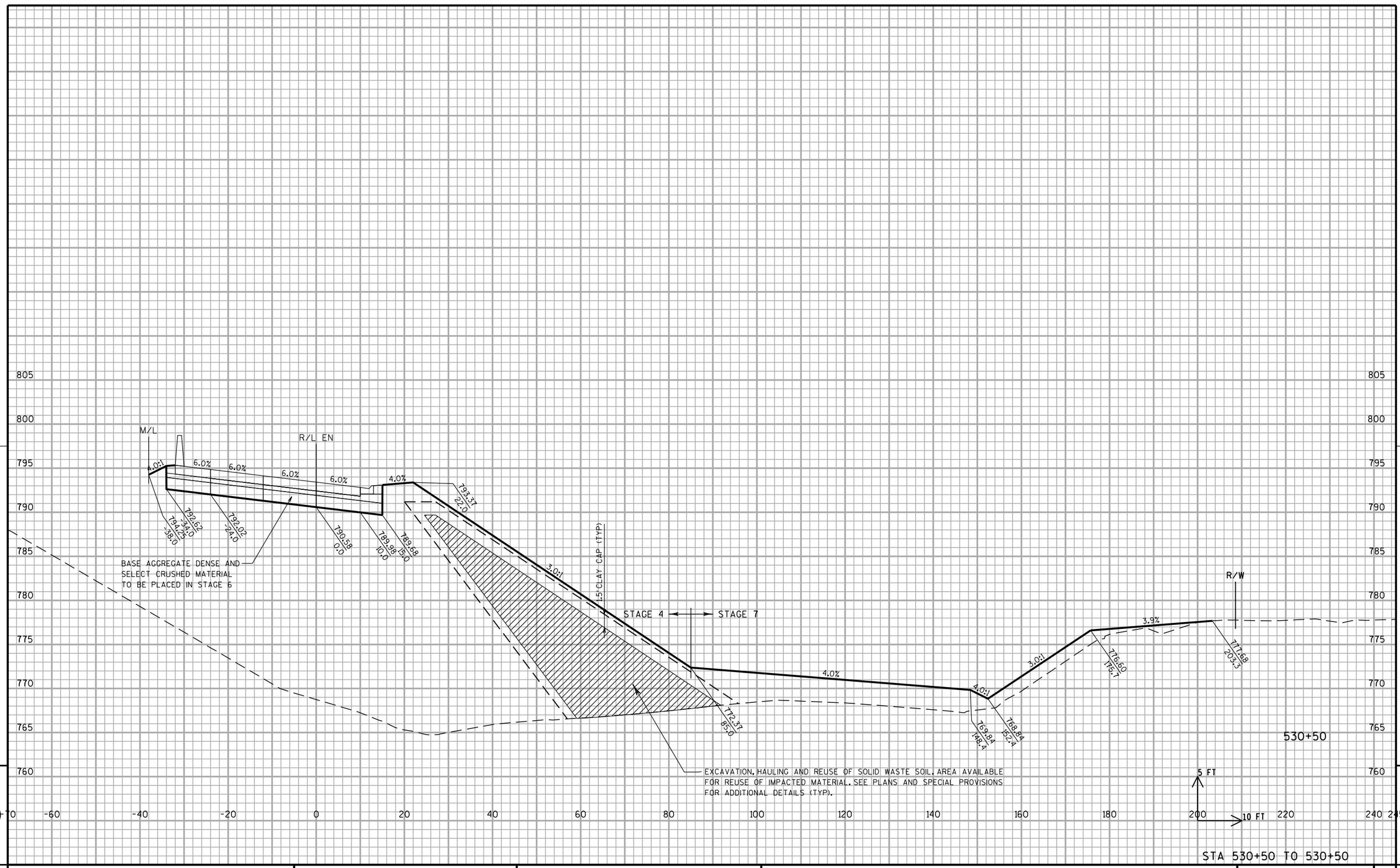


STA 530+00 TO 530+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en22 PLOT SCALE : 20:1

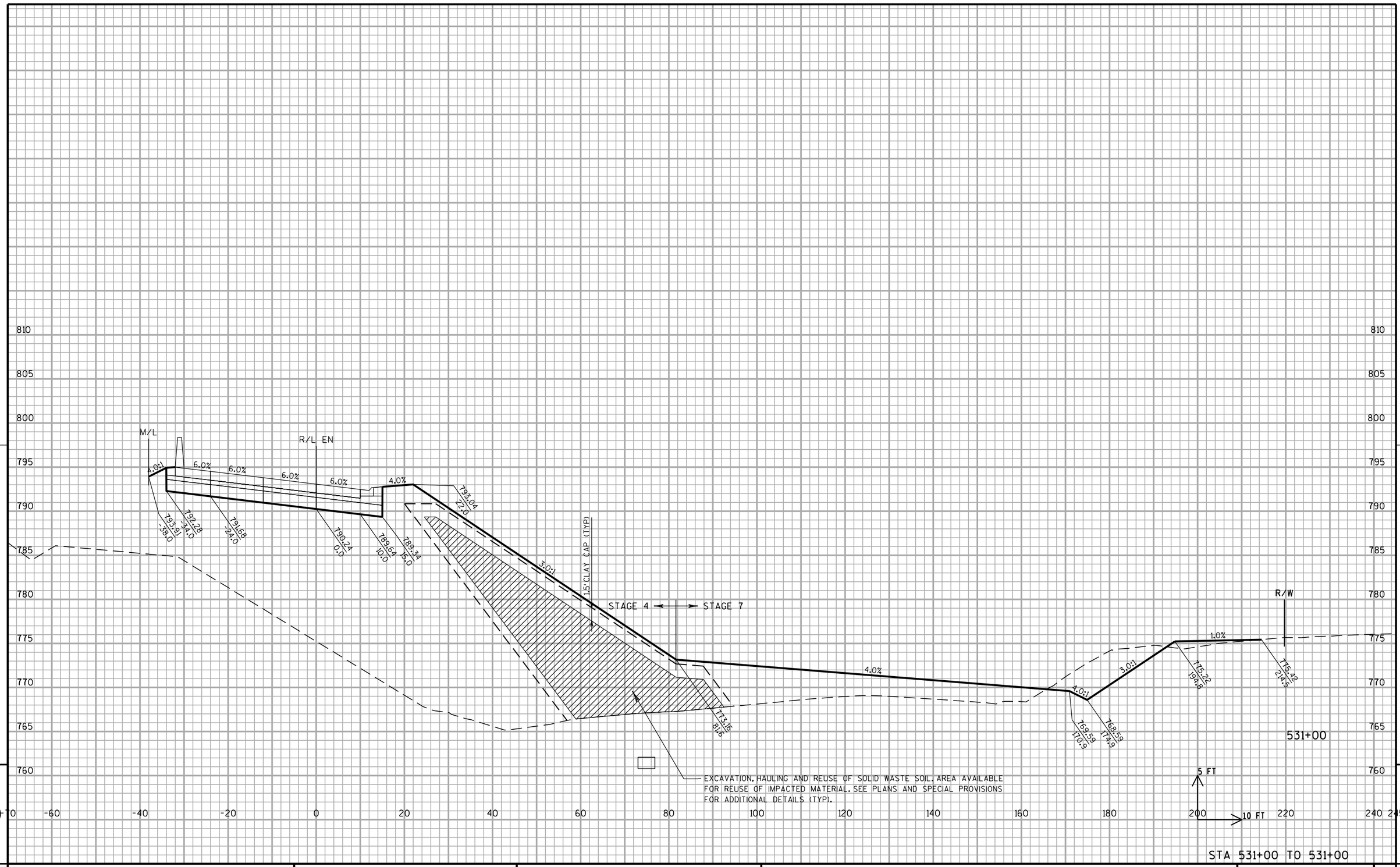
WISDOT/CADDS SHEET 21



STA 530+50 TO 530+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

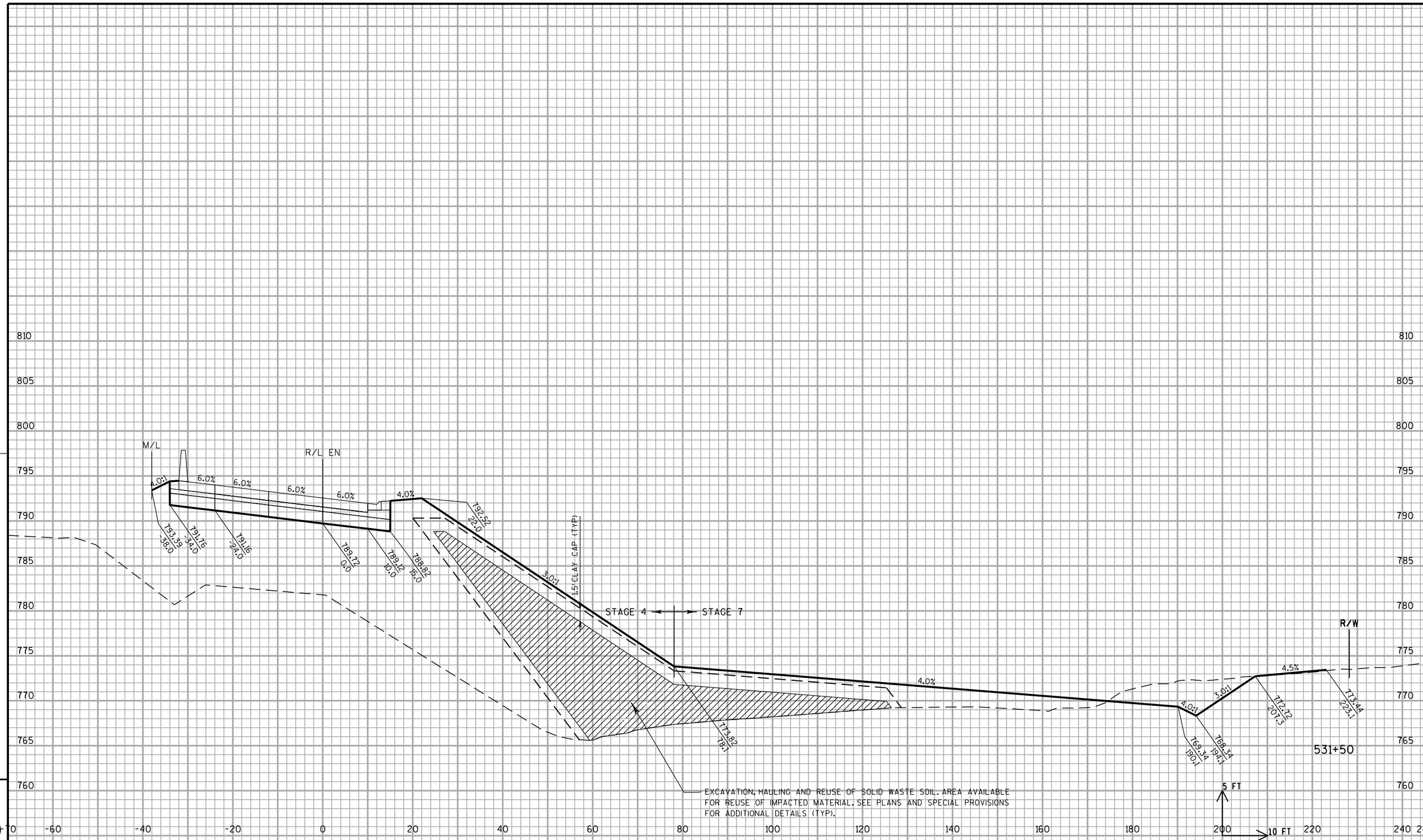
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en23 PLOT SCALE : 20:1



STA 531+00 TO 531+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en24 PLOT SCALE : 20:1

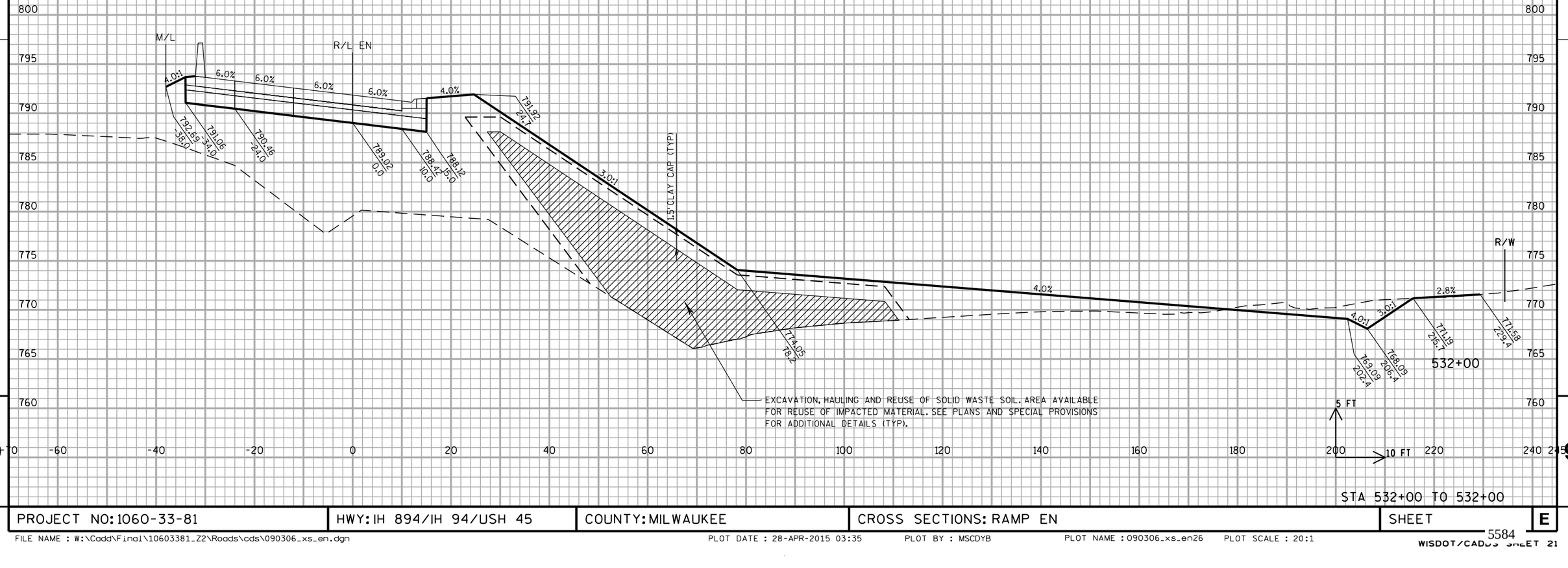


STA 531+50 TO 531+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en25 PLOT SCALE : 20:1

ALL WORK STAGE 6

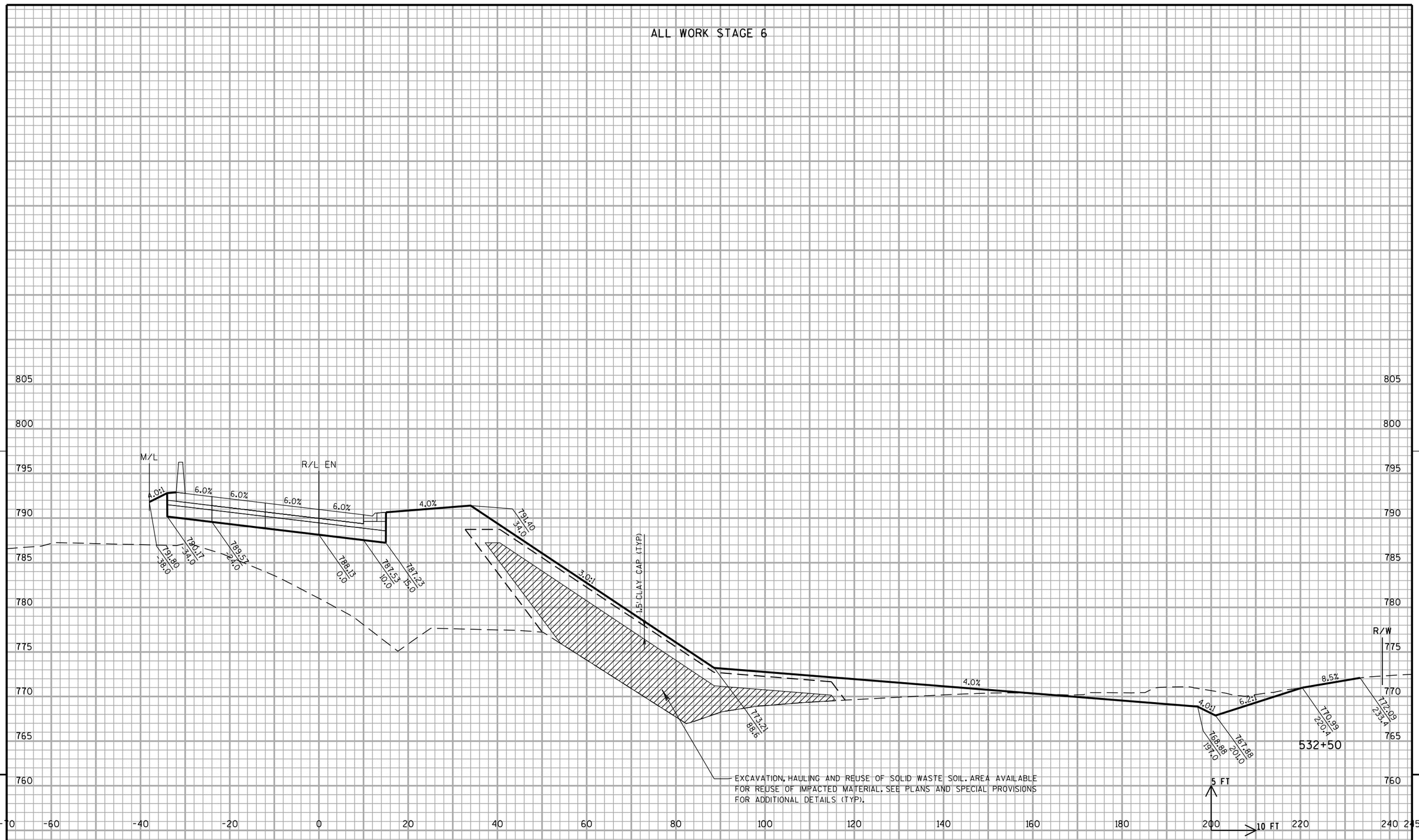


STA 532+00 TO 532+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en26 PLOT SCALE : 20:1

ALL WORK STAGE 6

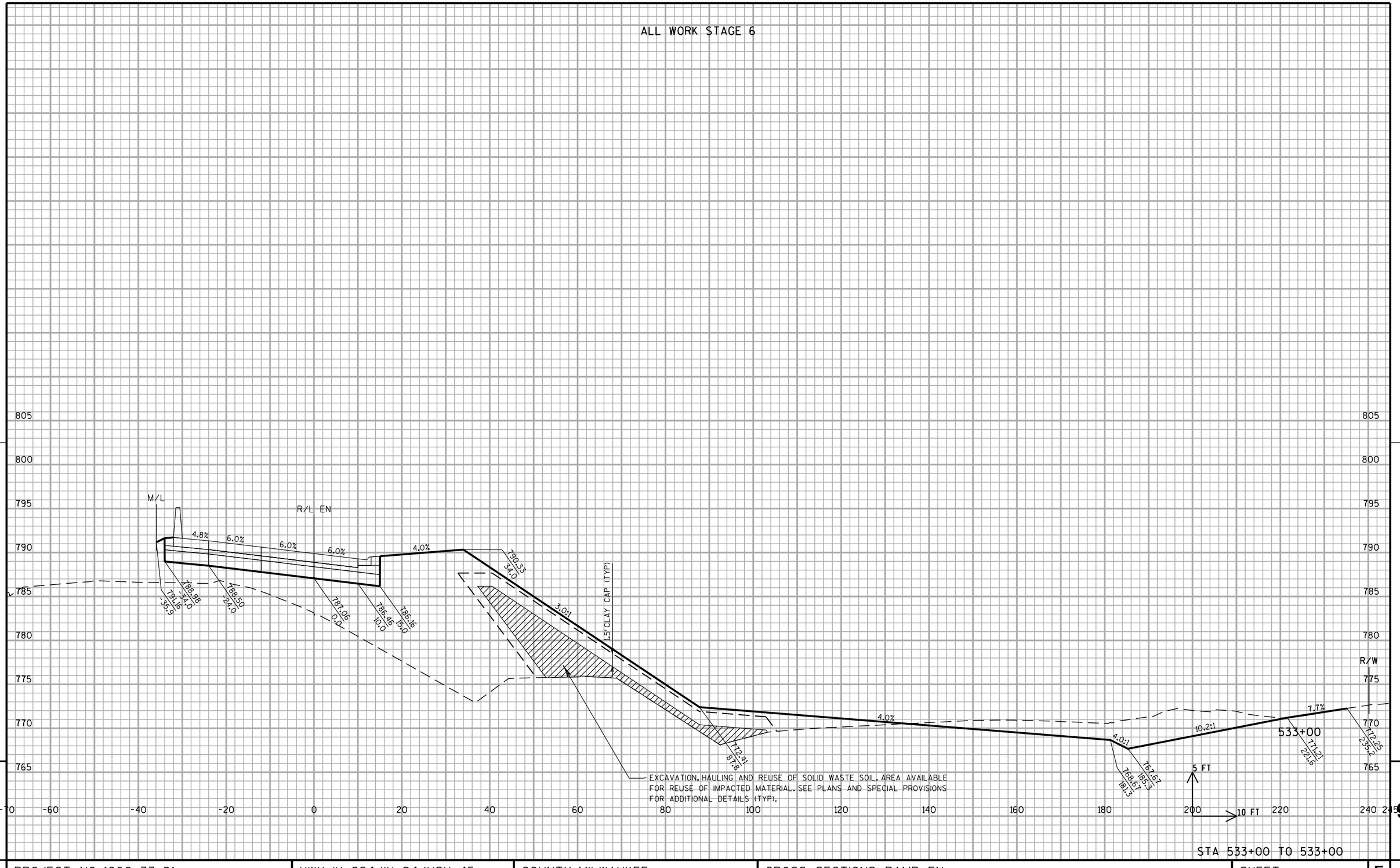


STA 532+50 TO 532+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en27 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

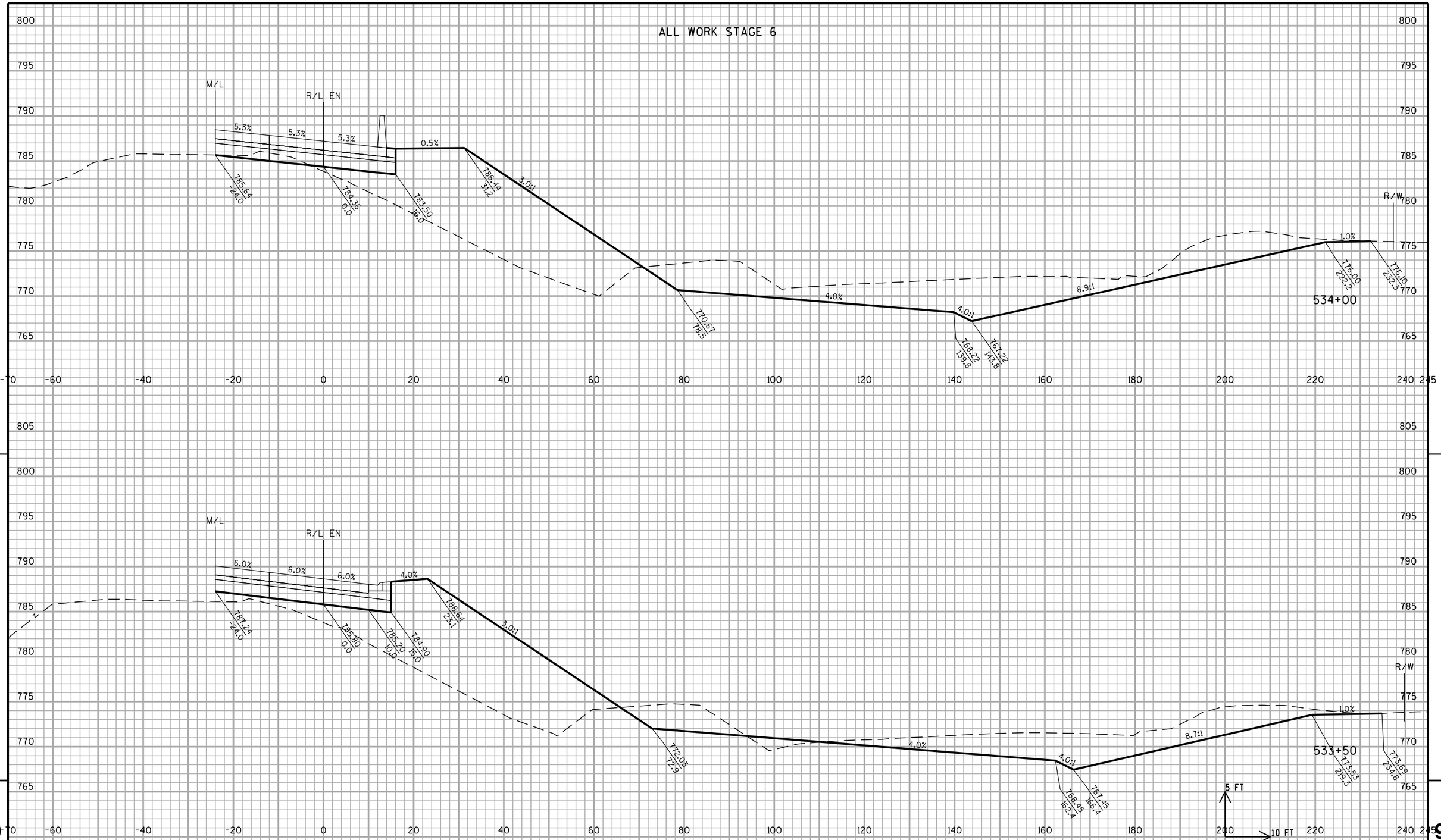


STA 533+00 TO 533+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en28 PLOT SCALE : 20:1

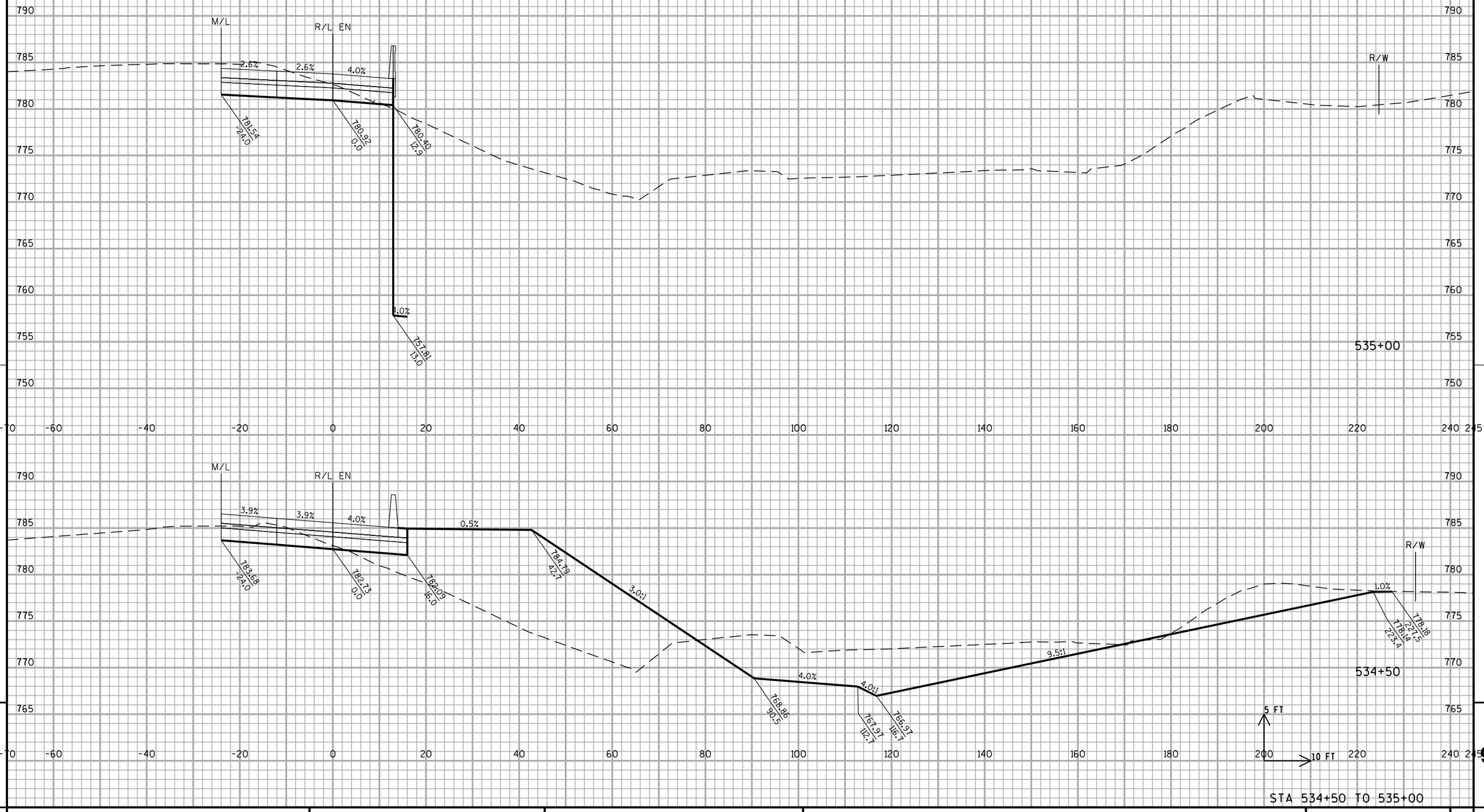
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en29 PLOT SCALE : 20:1

ALL WORK STAGE 6

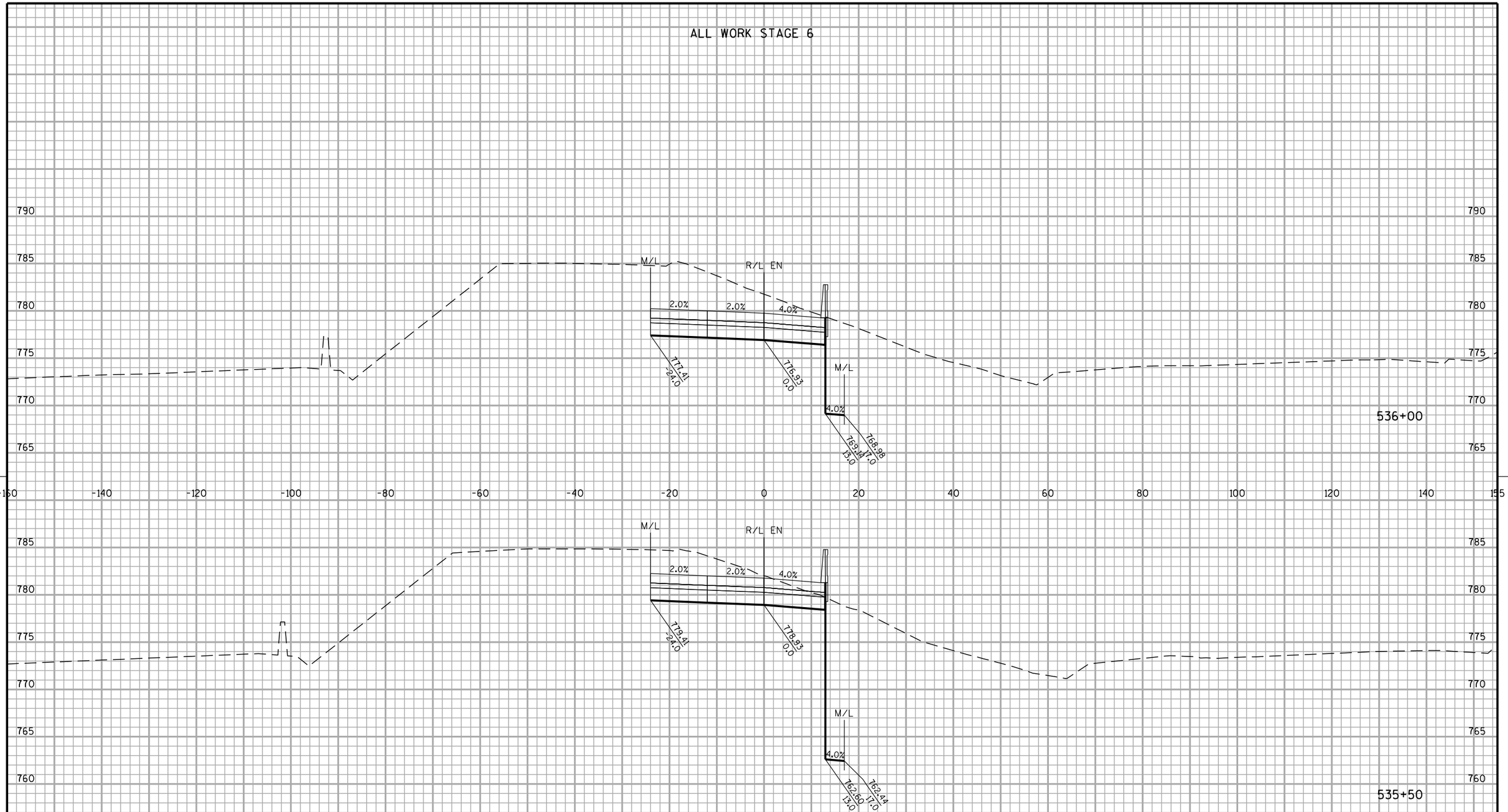


STA 534+50 TO 535+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en30 PLOT SCALE : 20:1

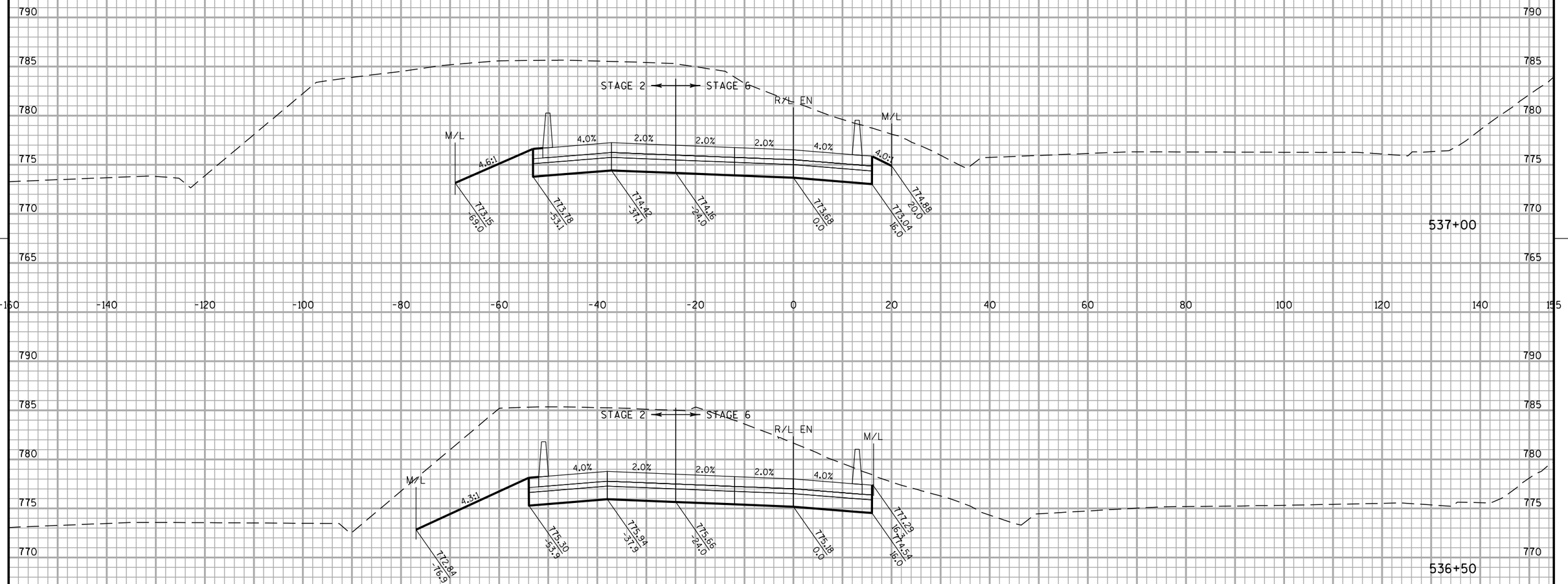
ALL WORK STAGE 6



STA 535+50 TO 536+00

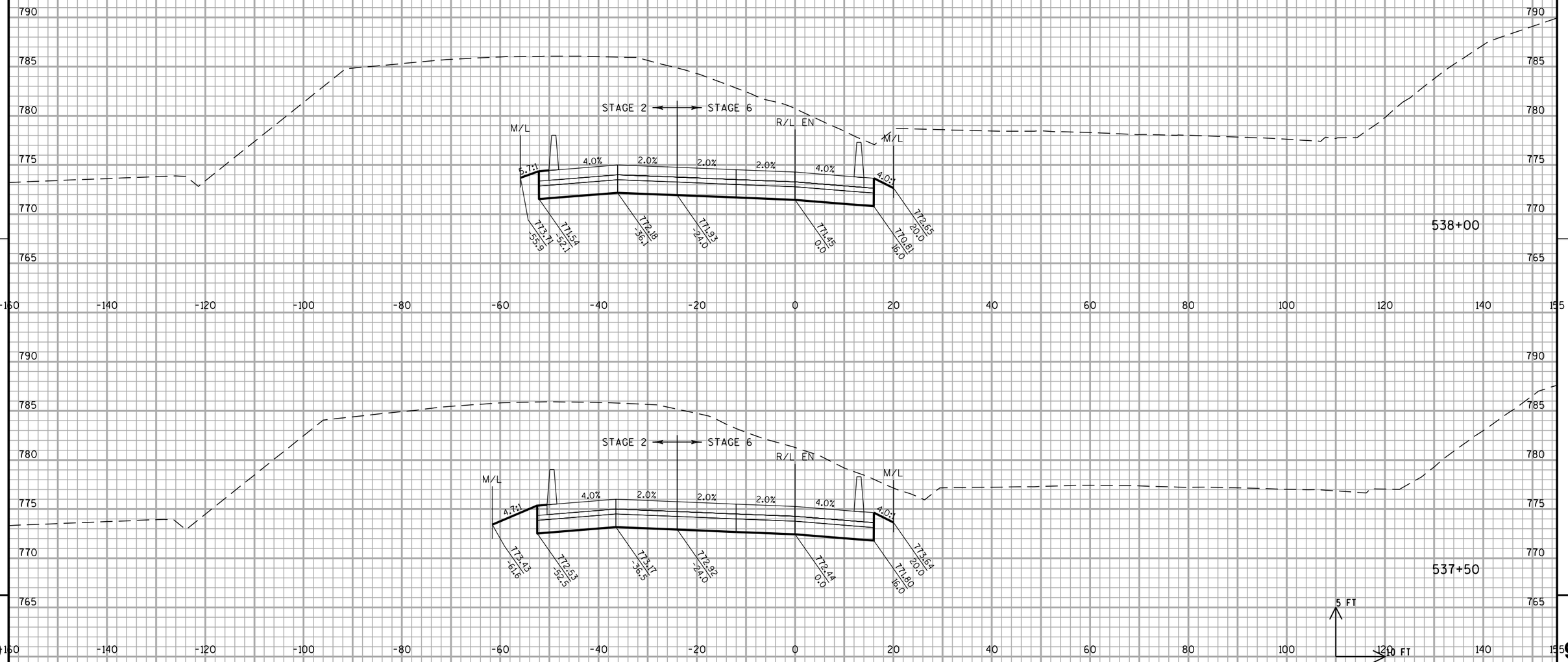
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:35 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en31 PLOT SCALE : 20:1



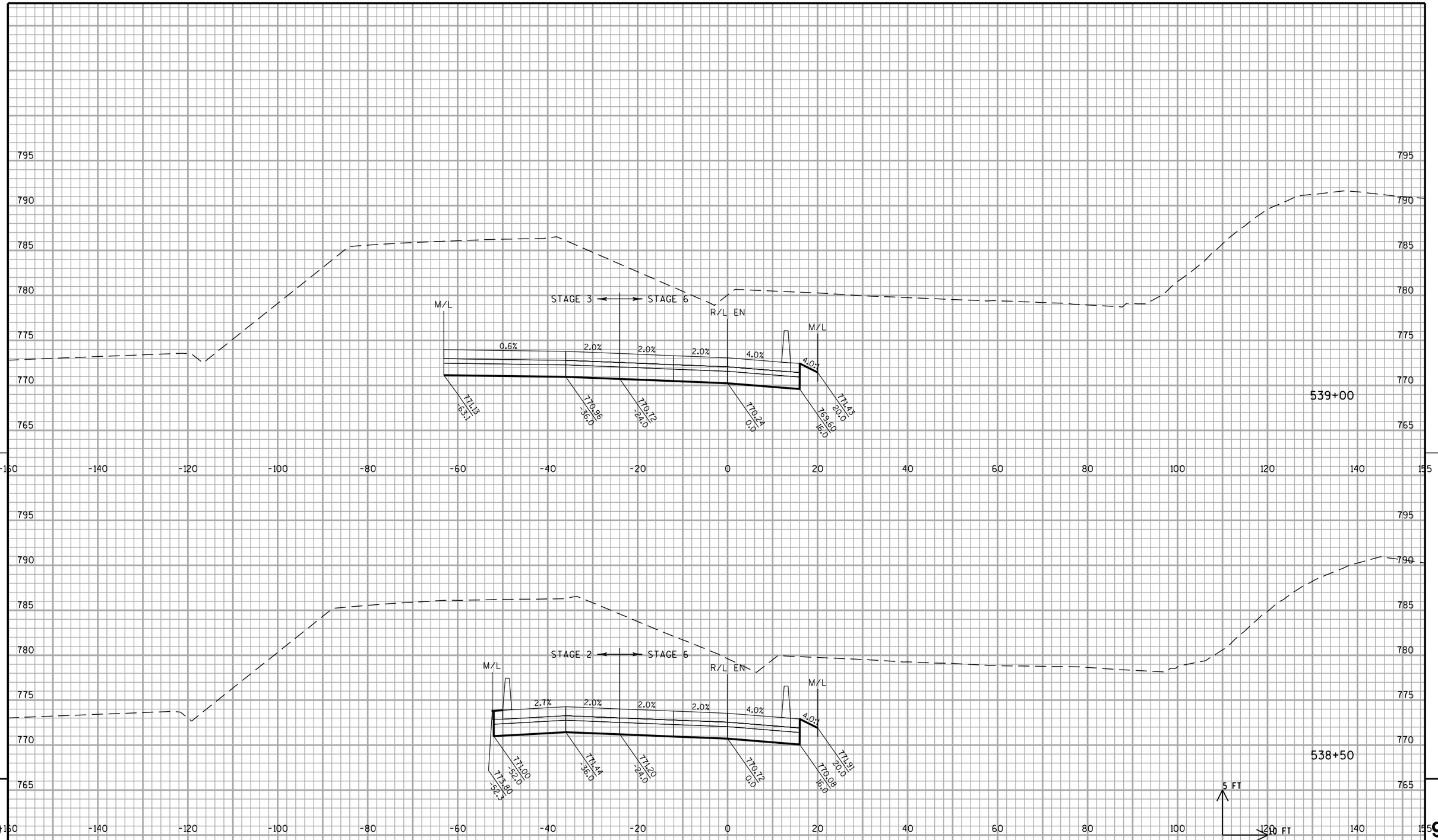
STA 536+50 TO 537+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

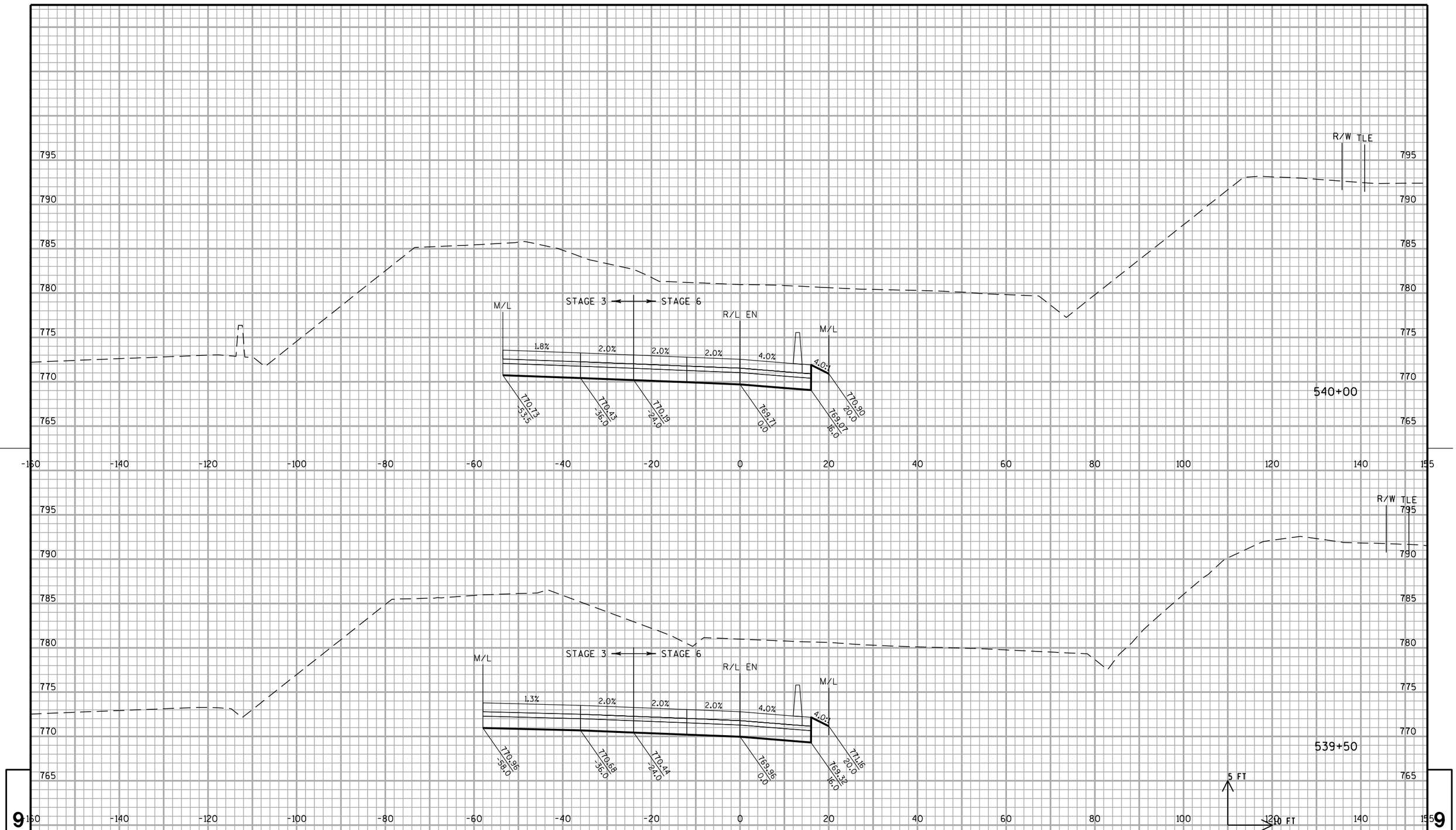
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en33 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET E

STA 538+50 TO 539+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en34 PLOT SCALE : 20:1

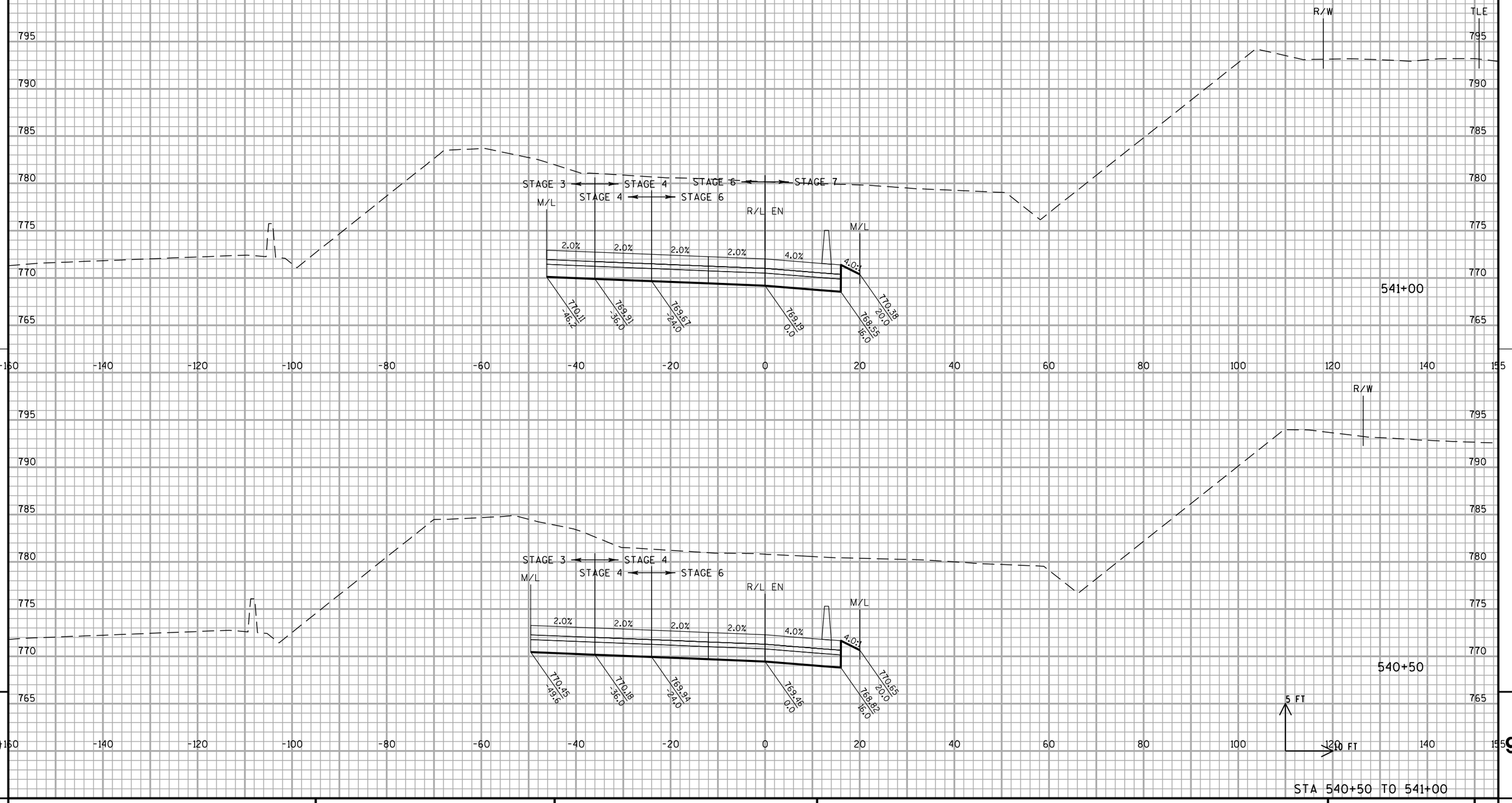


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

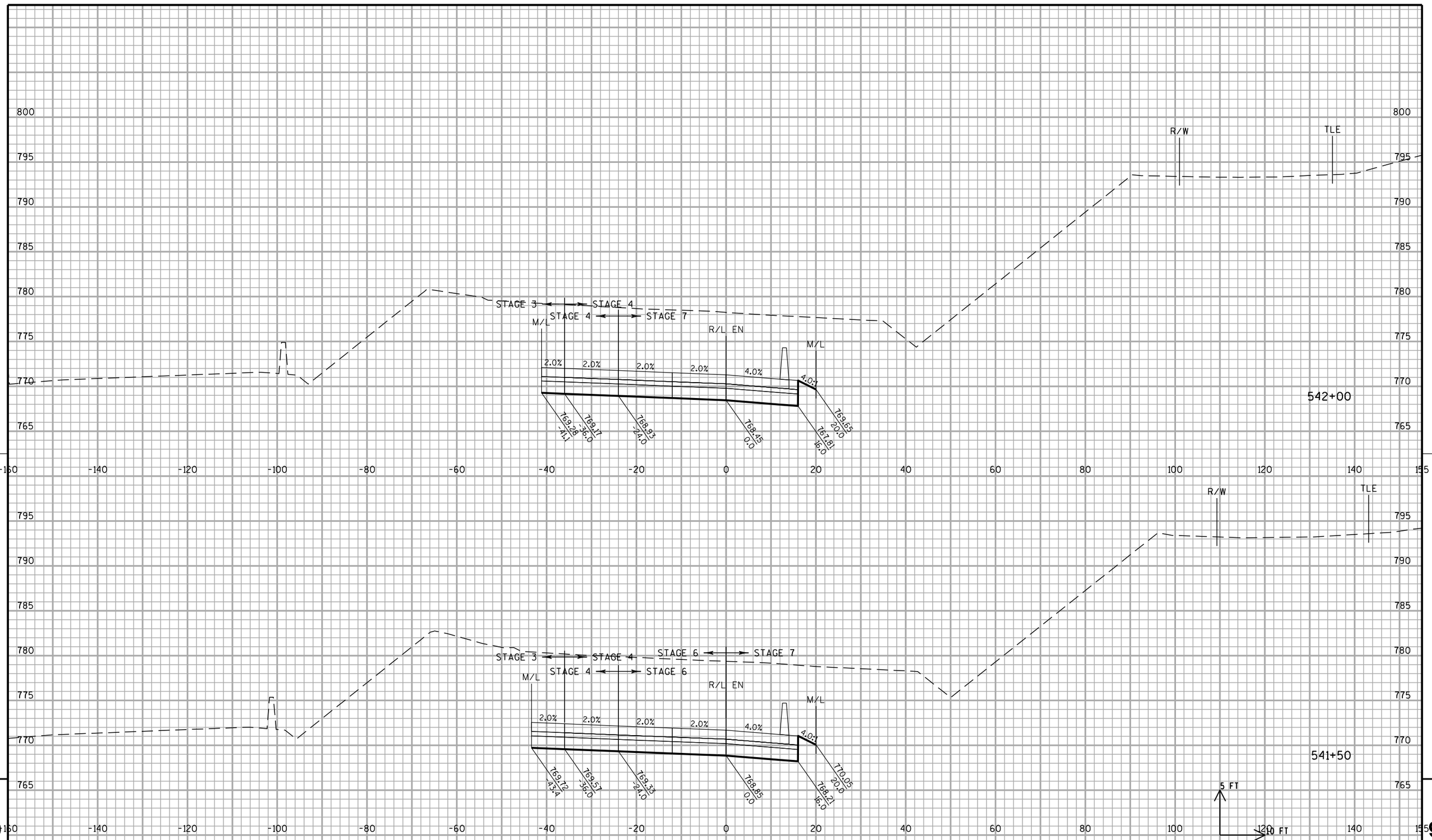
STA 539+50 TO 540+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en35 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



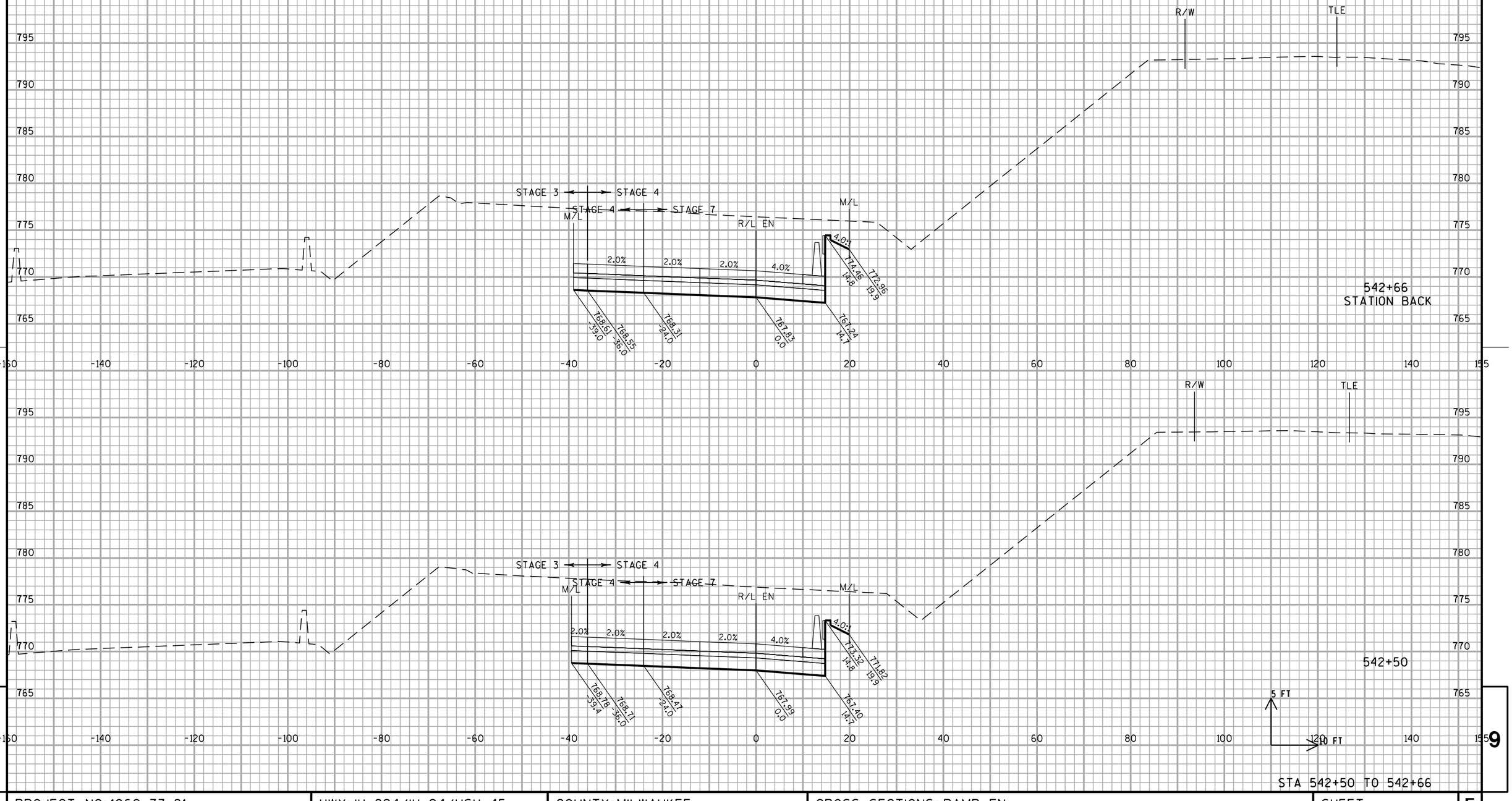
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en36 PLOT SCALE : 20:1



STA 541+50 TO 542+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E



9

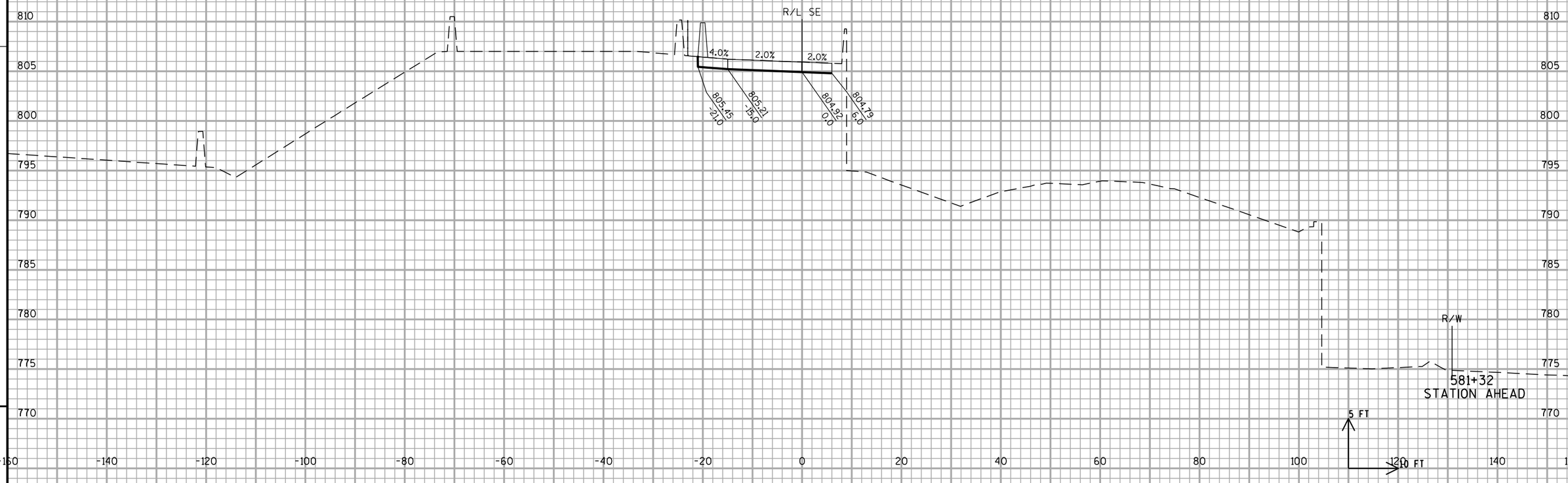
STA 542+50 TO 542+66

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EN	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090306_xs_en.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090306_xs_en38 PLOT SCALE : 20:1

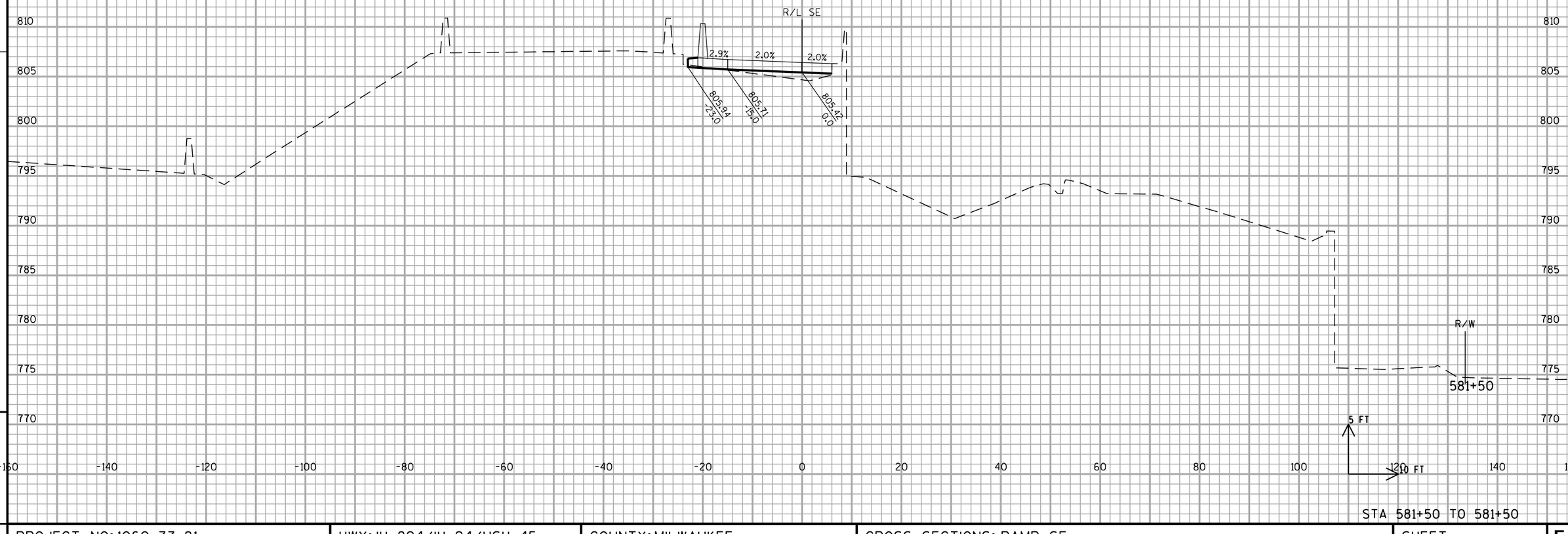
ALL WORK STAGE 6



STA 581+32 TO 581+32

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

ALL WORK STAGE 6



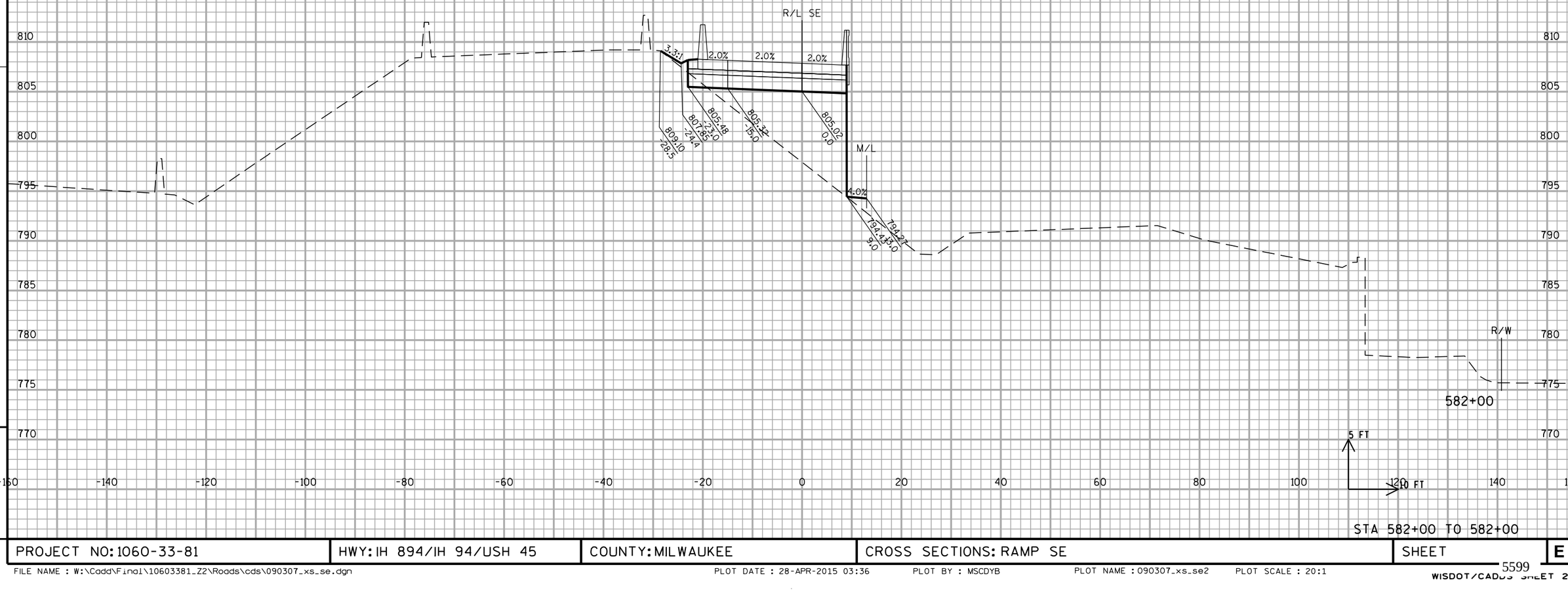
STA 581+50 TO 581+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 582+00 TO 582+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se2 PLOT SCALE : 20:1

ALL WORK STAGE 6

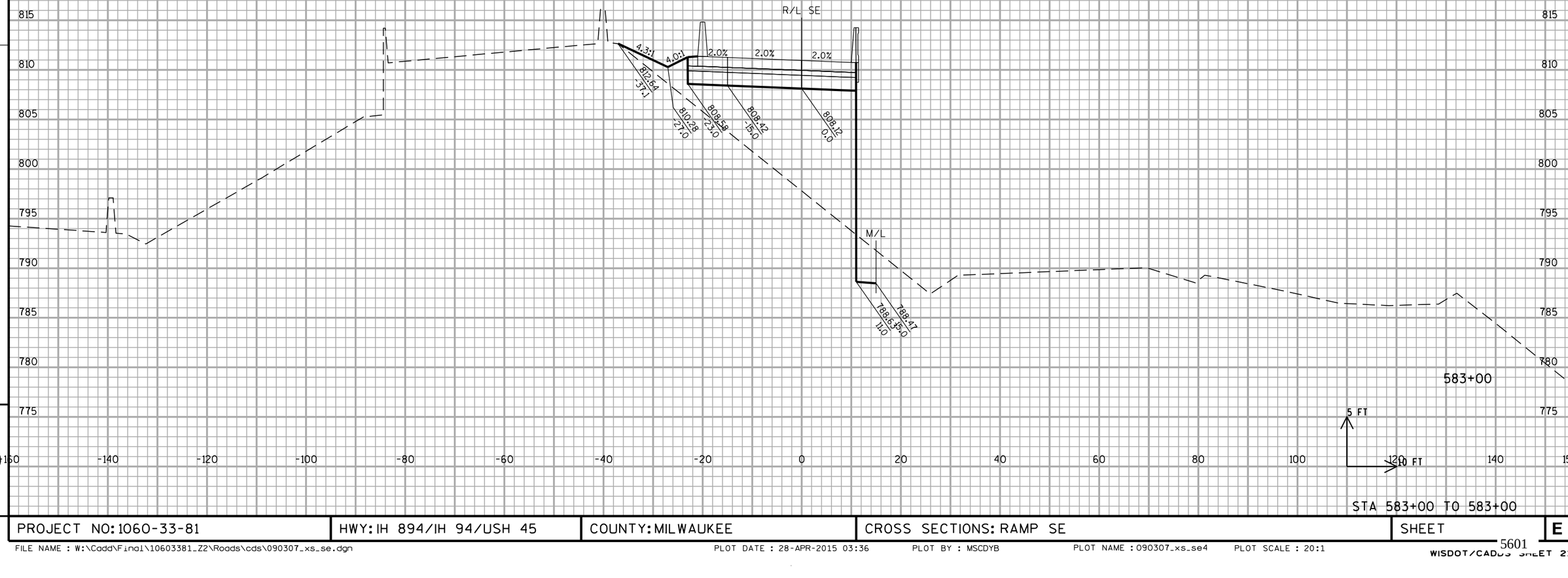


STA 582+50 TO 582+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se3 PLOT SCALE : 20:1

ALL WORK STAGE 6



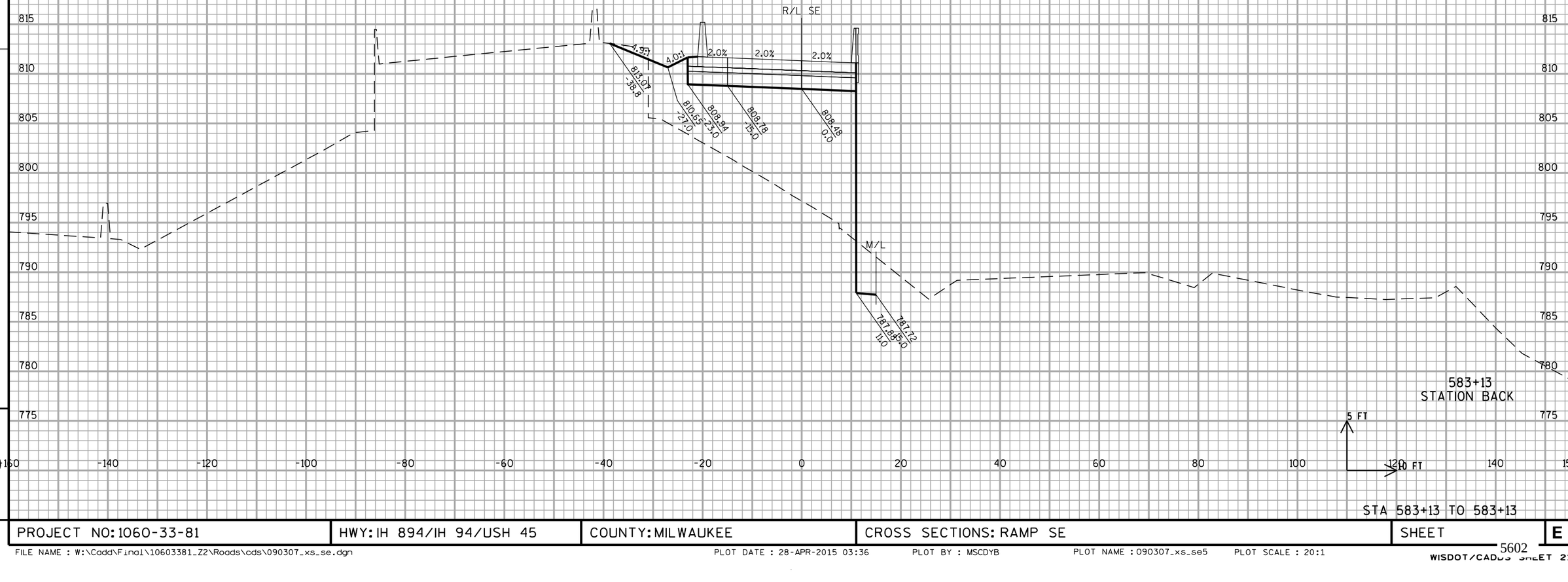
STA 583+00 TO 583+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



9

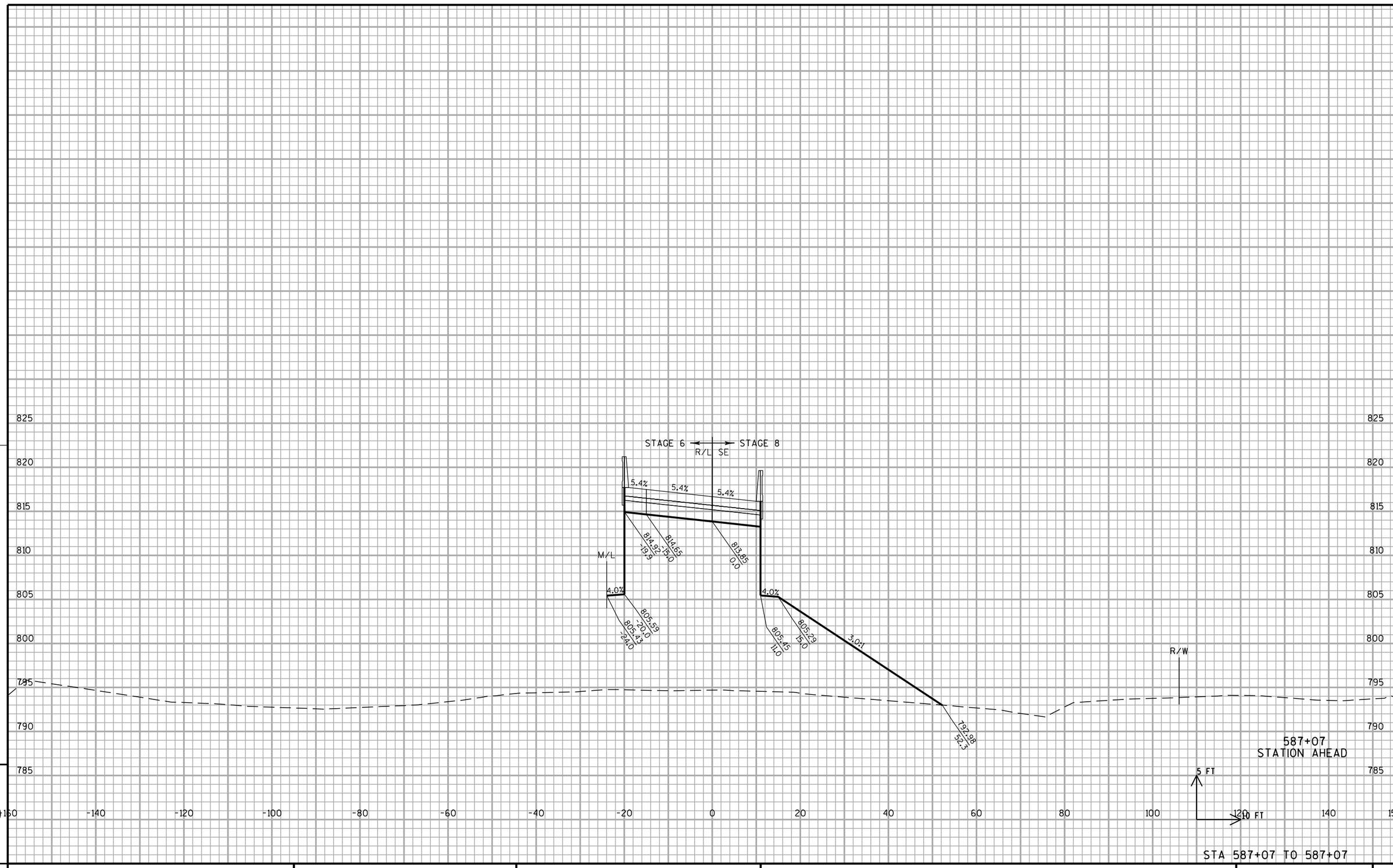
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

STA 583+13 TO 583+13

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

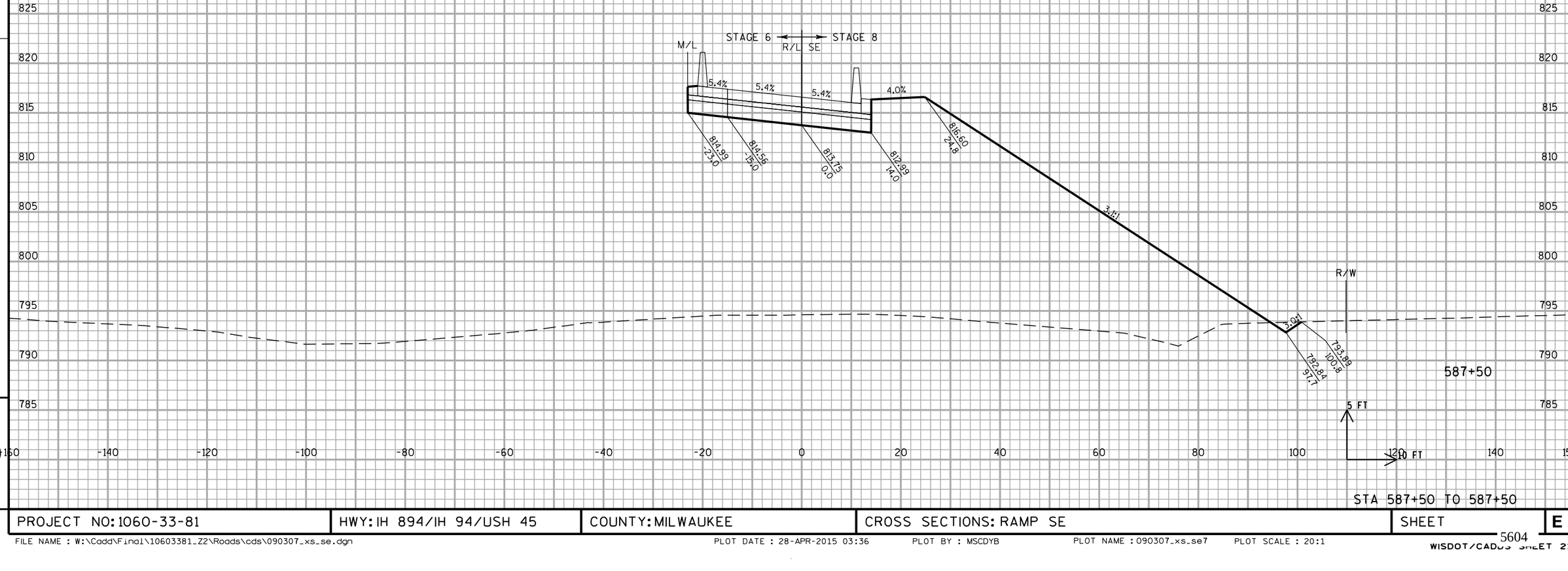


9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

STA 587+07 TO 587+07

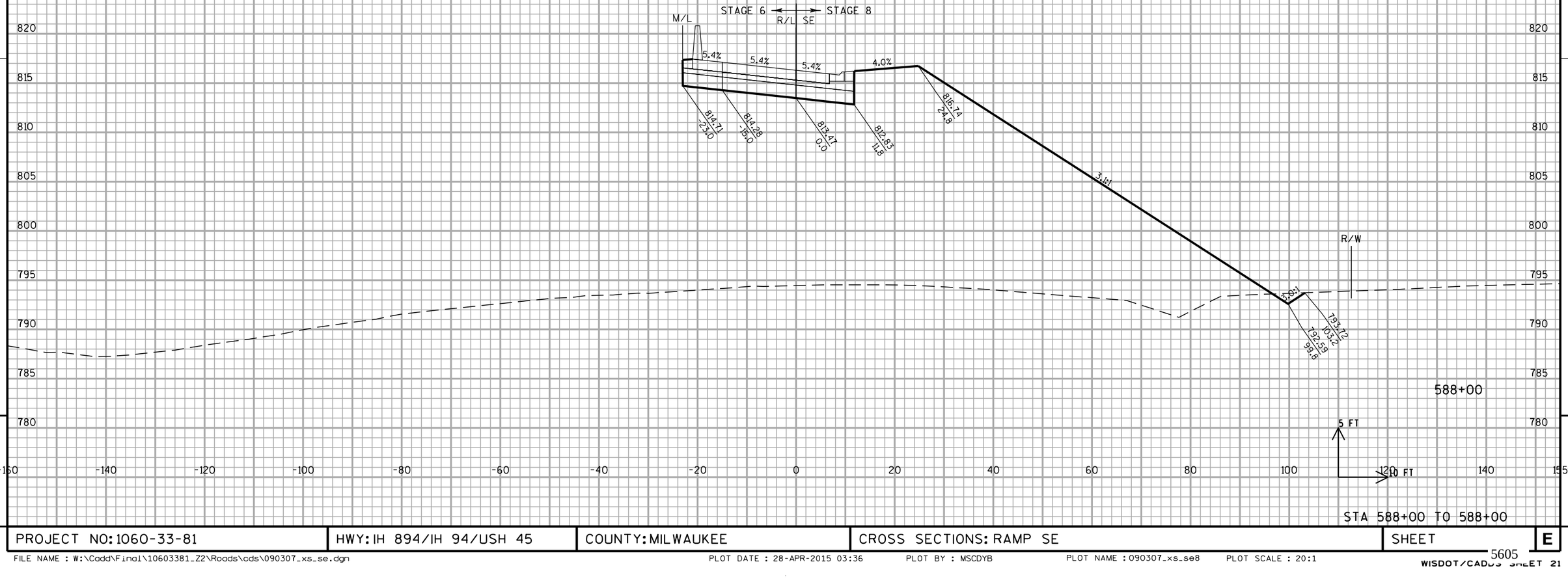


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

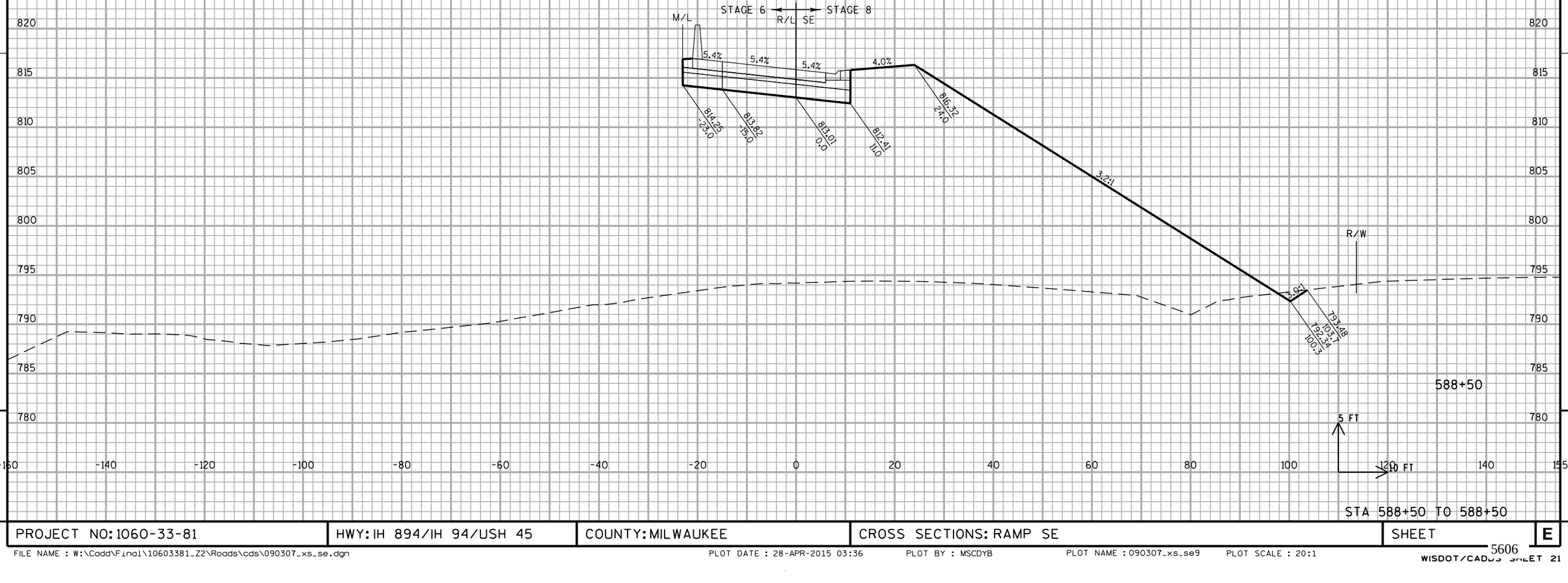
STA 587+50 TO 587+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se7 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se8 PLOT SCALE : 20:1

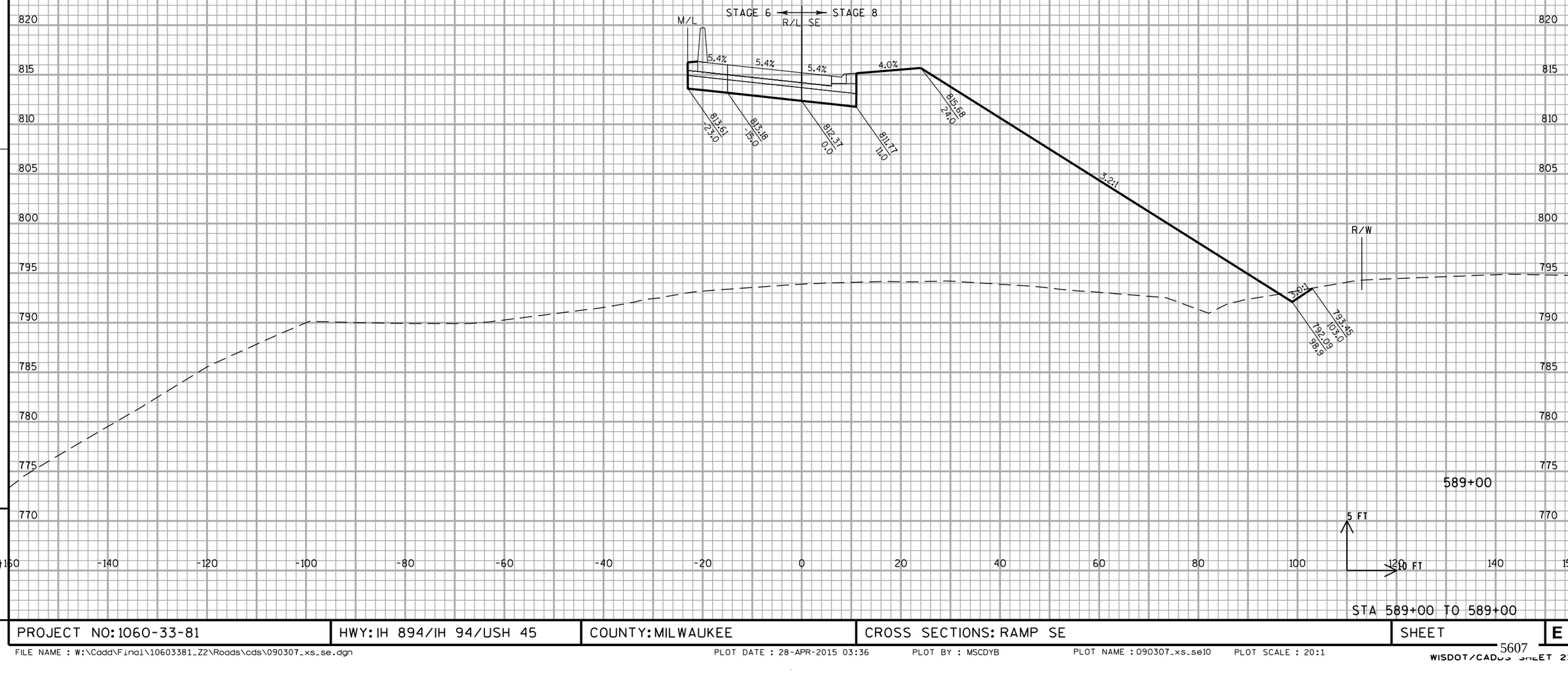


STA 588+50 TO 588+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se9 PLOT SCALE : 20:1

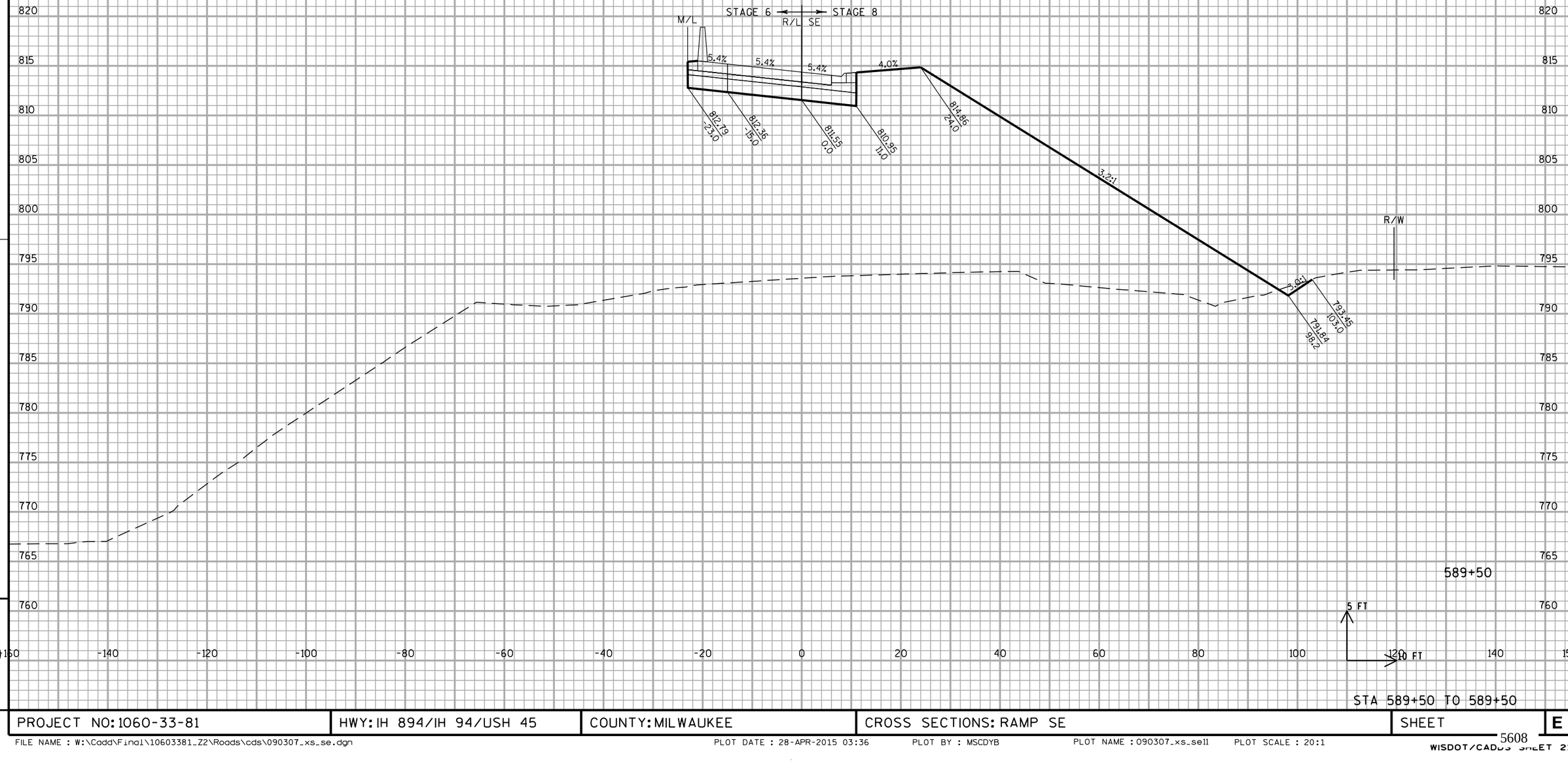
WISDOT/CADDS SHEET 21



STA 589+00 TO 589+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se10 PLOT SCALE : 20:1



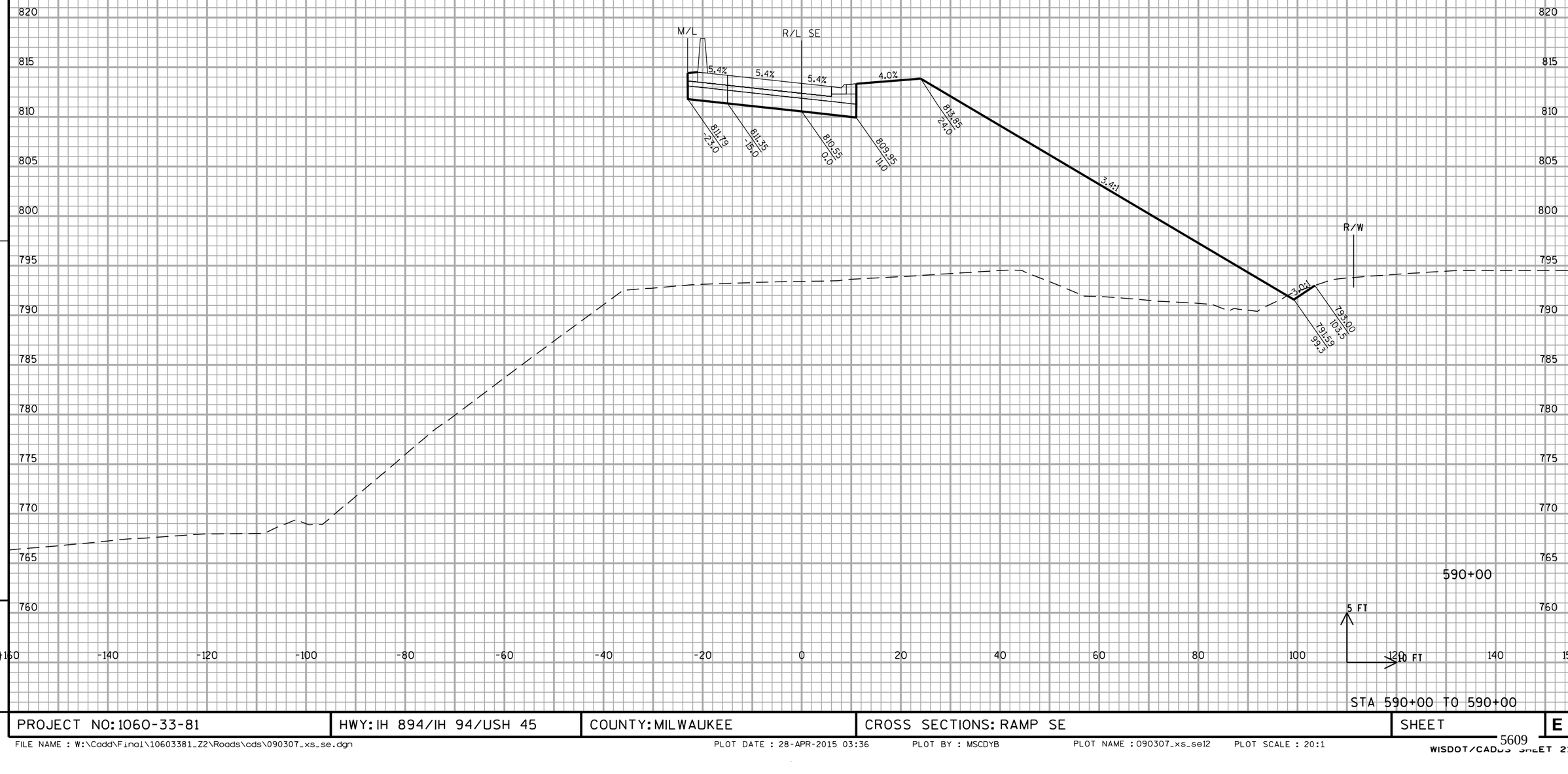
STA 589+50 TO 589+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

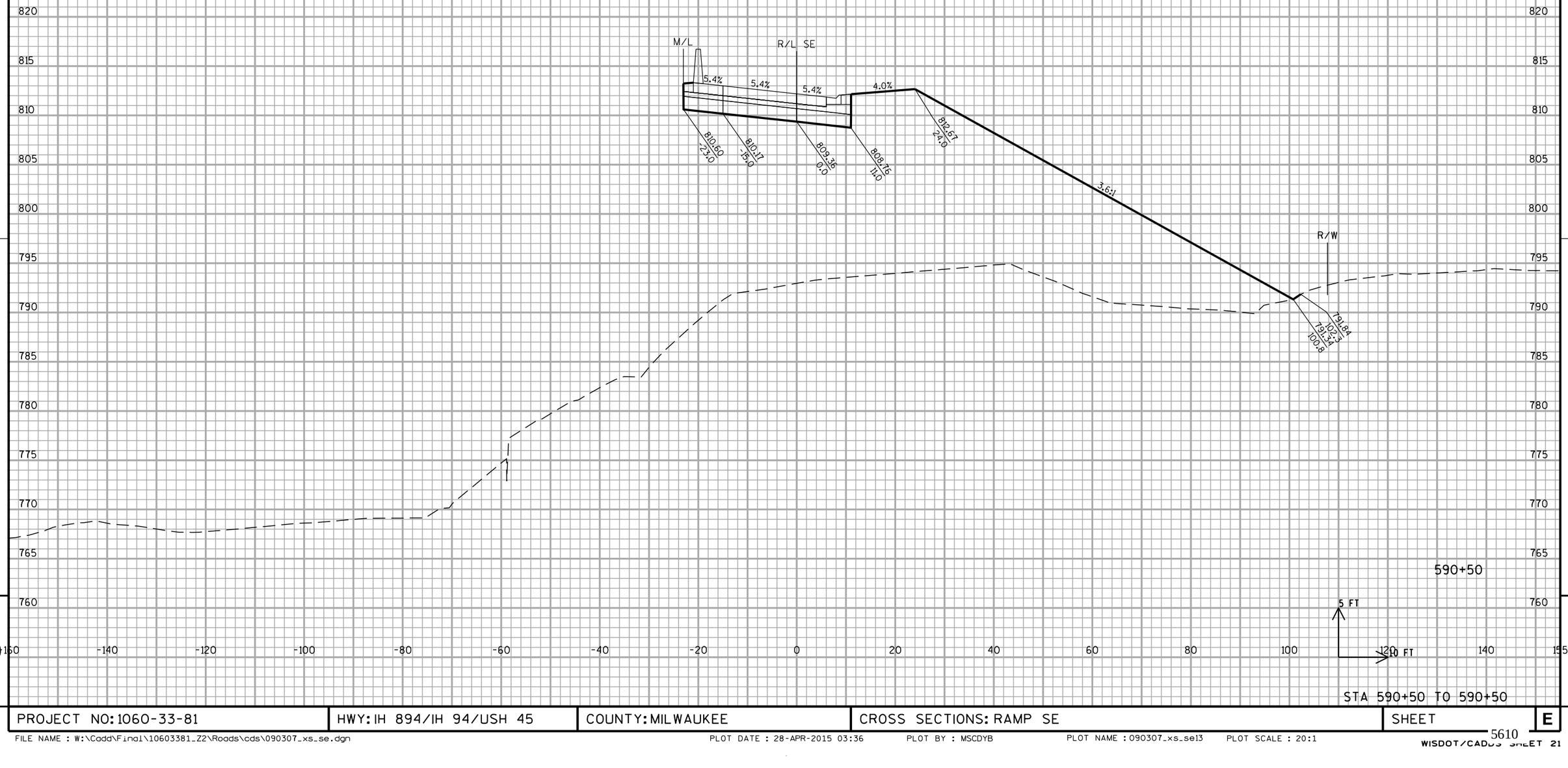


STA 590+00 TO 590+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se12 PLOT SCALE : 20:1

ALL WORK STAGE 6

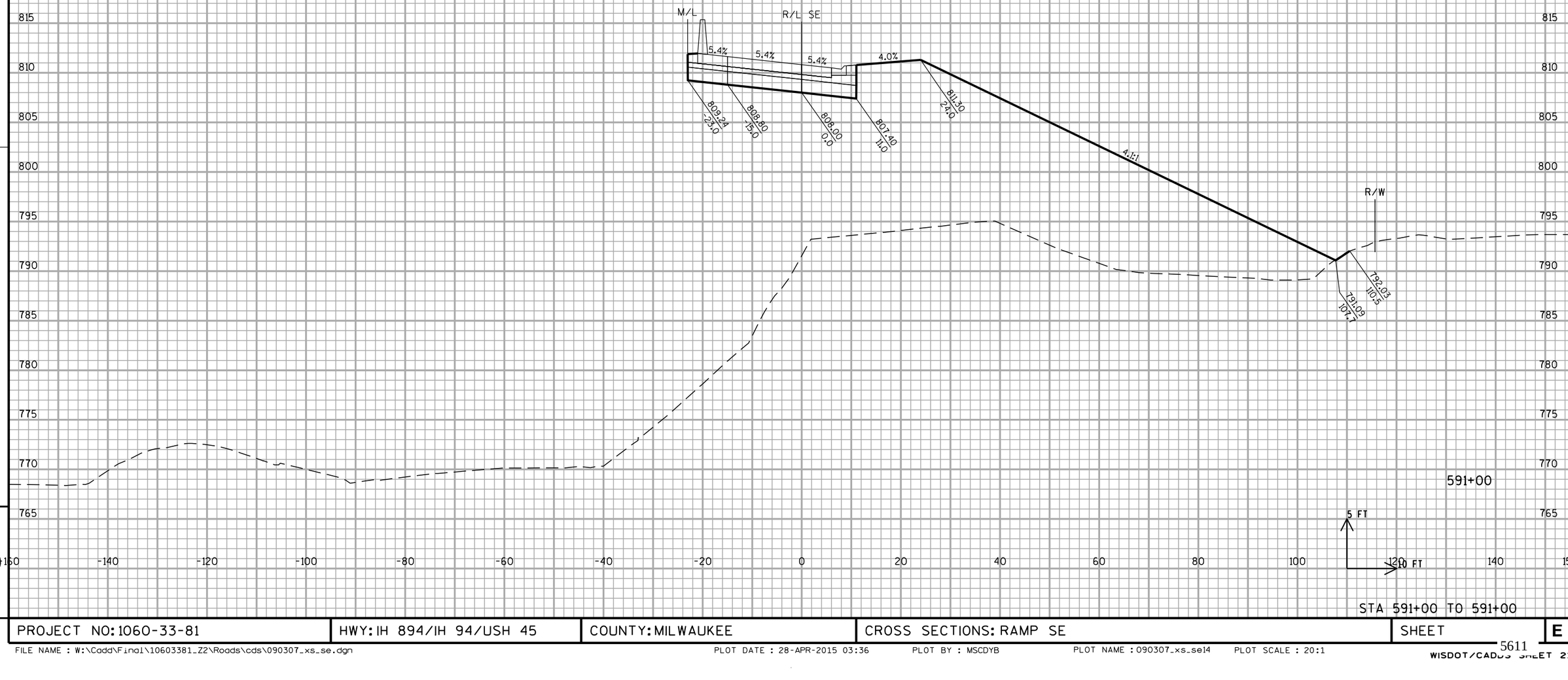


STA 590+50 TO 590+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se13 PLOT SCALE : 20:1

ALL WORK STAGE 6

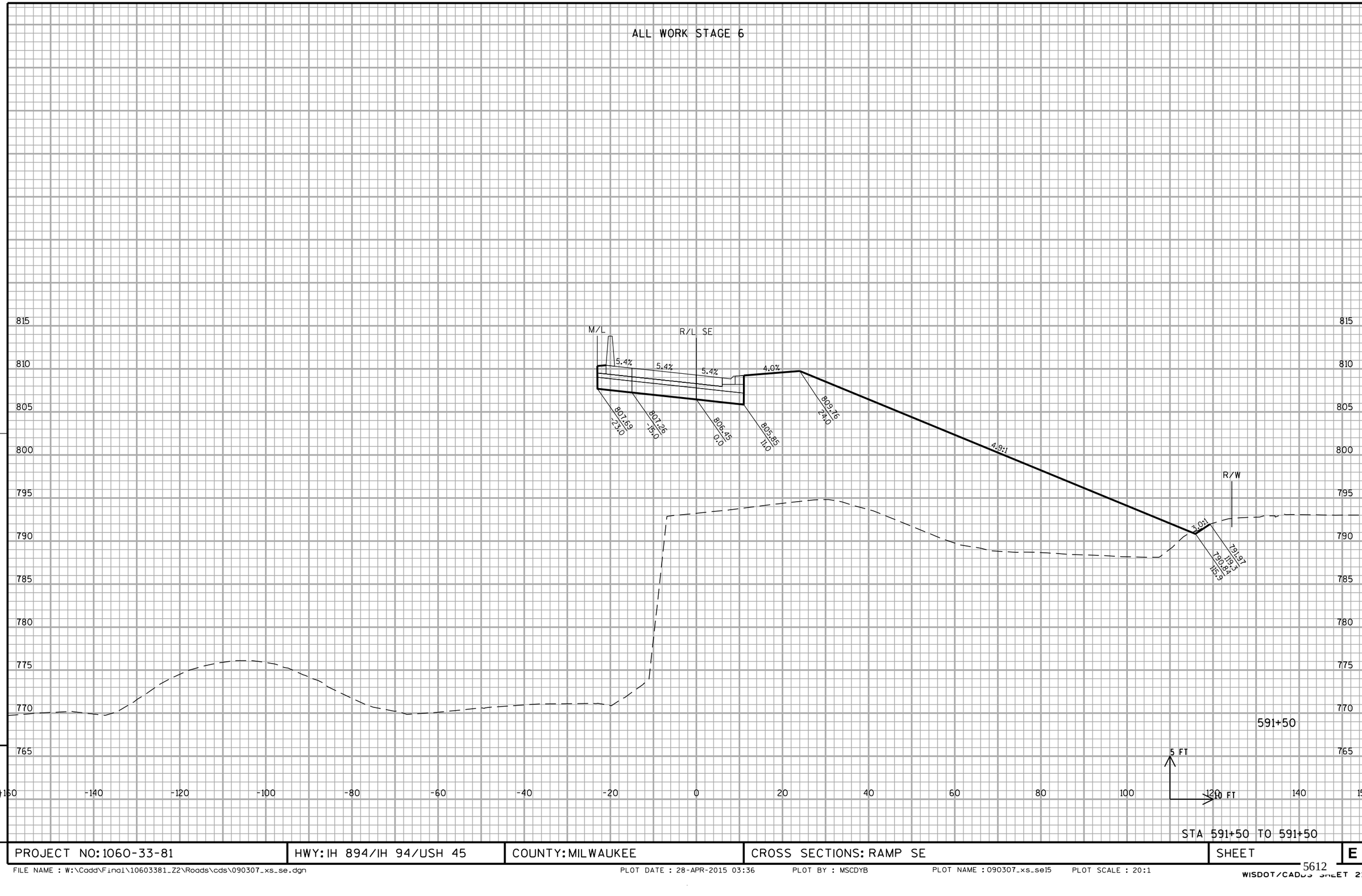


STA 591+00 TO 591+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se14 PLOT SCALE : 20:1

ALL WORK STAGE 6

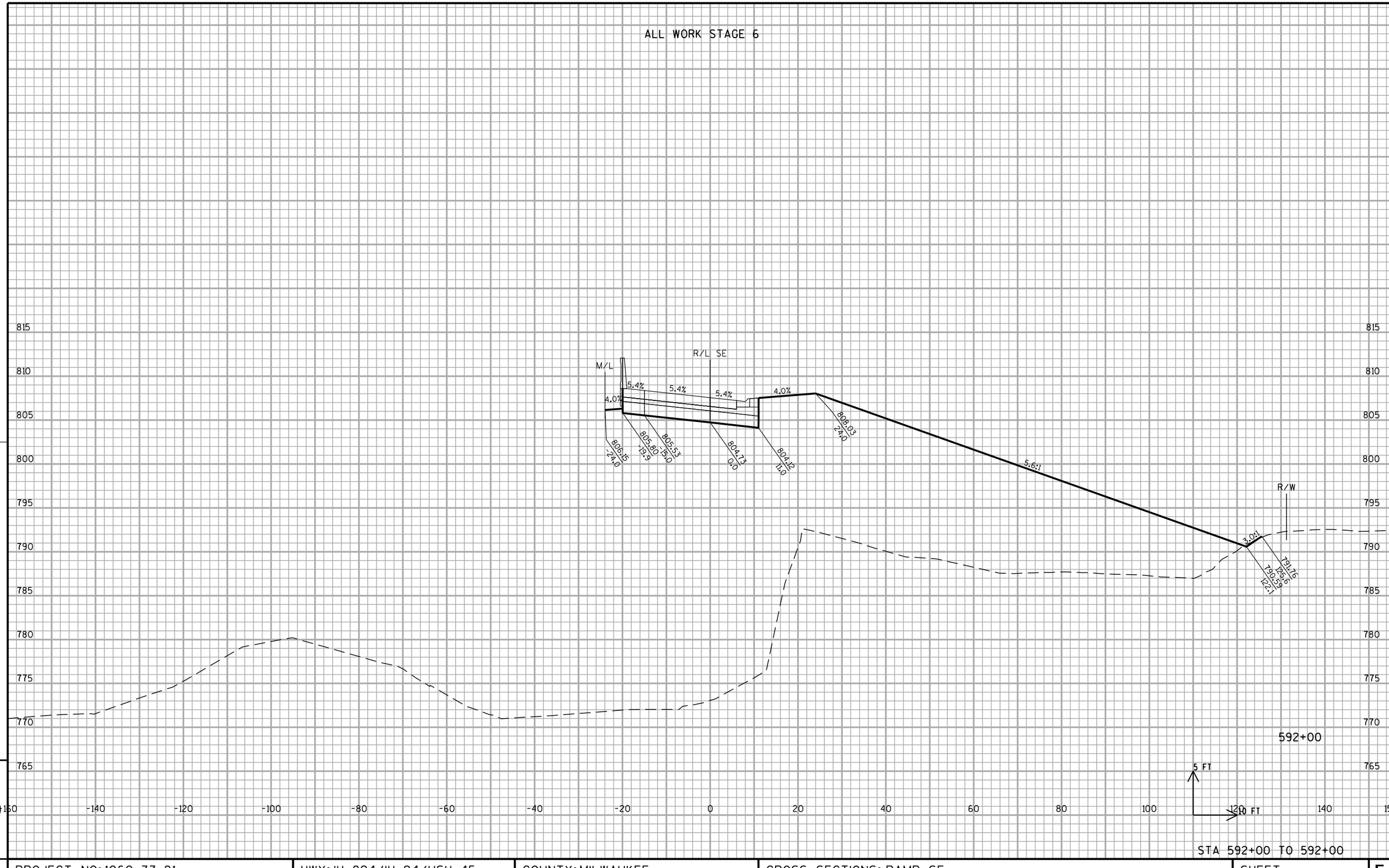


STA 591+50 TO 591+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se15 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 592+00 TO 592+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se16 PLOT SCALE : 20:1

ALL WORK STAGE 6

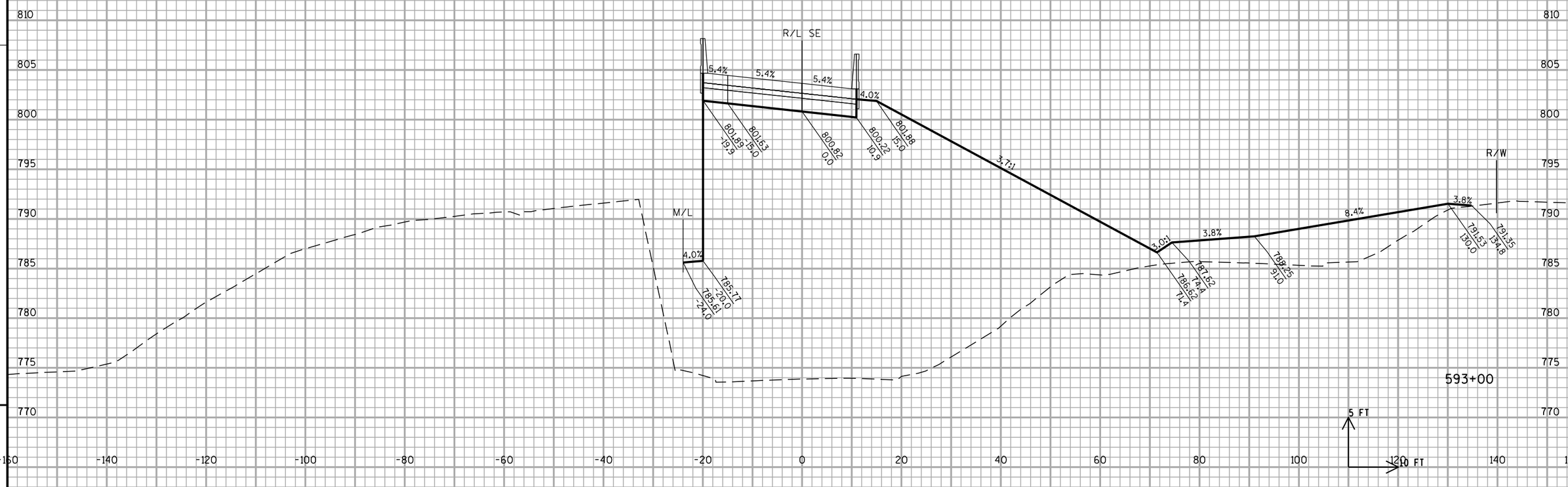


STA 592+50 TO 592+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se17 PLOT SCALE : 20:1

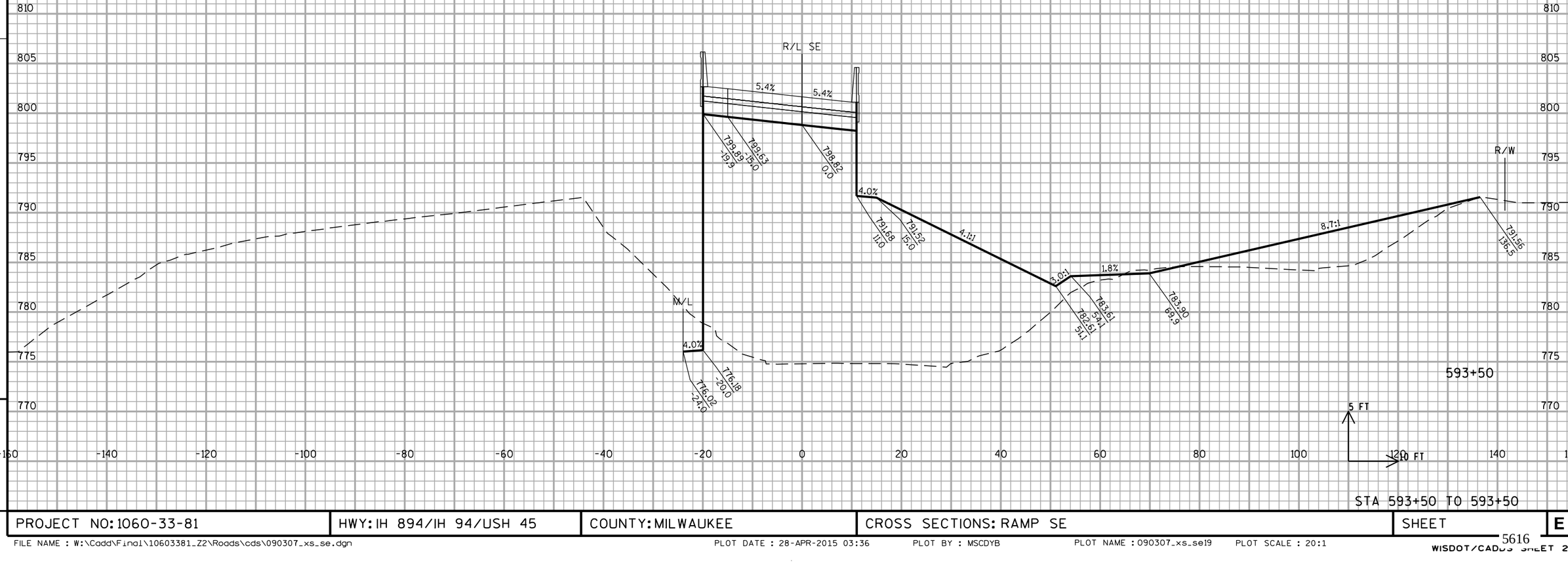
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

STA 593+00 TO 593+00

ALL WORK STAGE 6

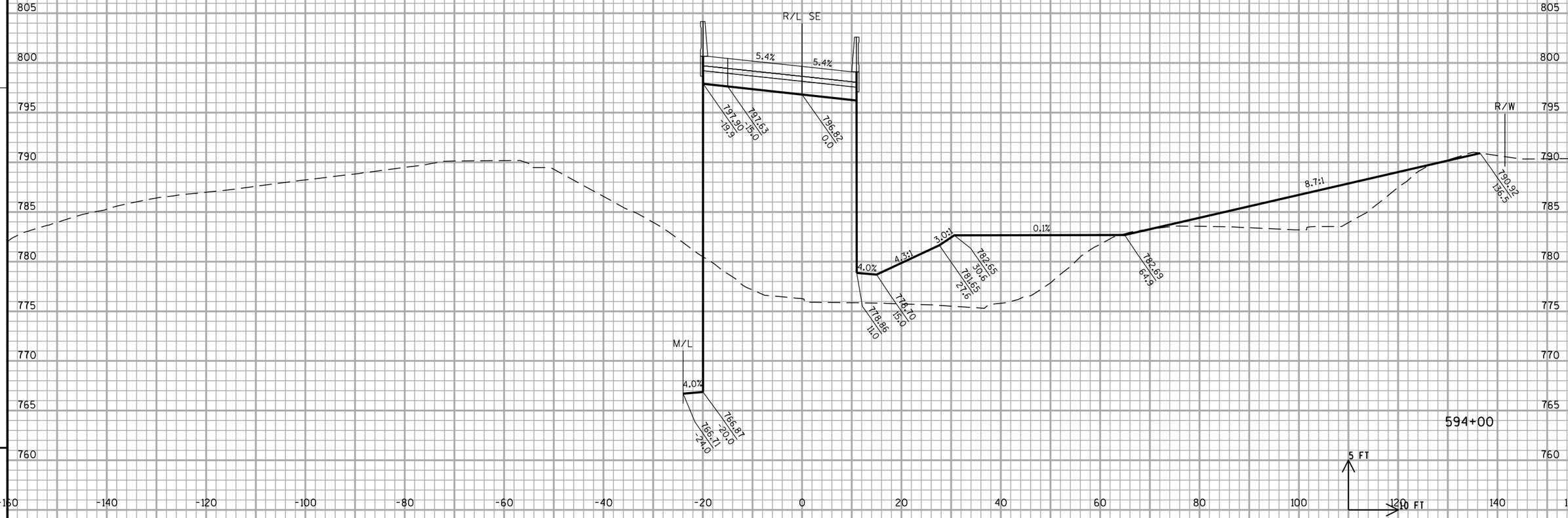


STA 593+50 TO 593+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se19 PLOT SCALE : 20:1

ALL WORK STAGE 6



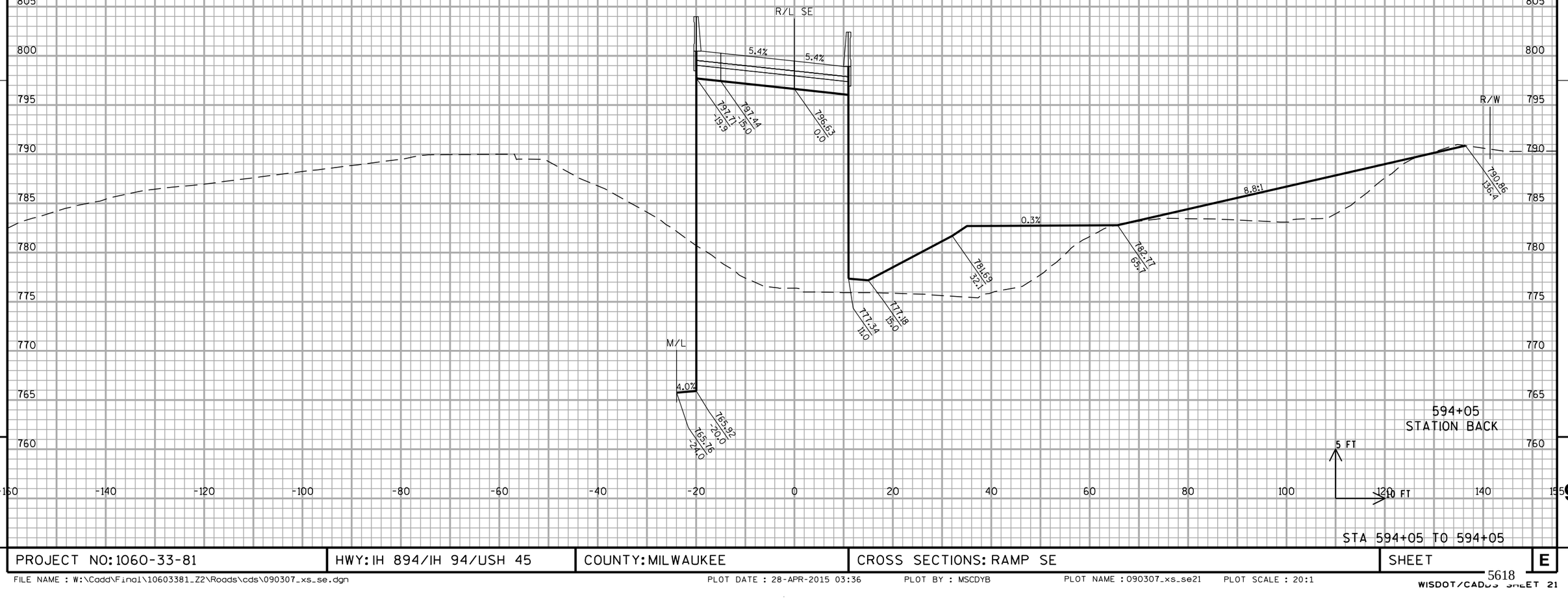
STA 594+00 TO 594+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se20 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

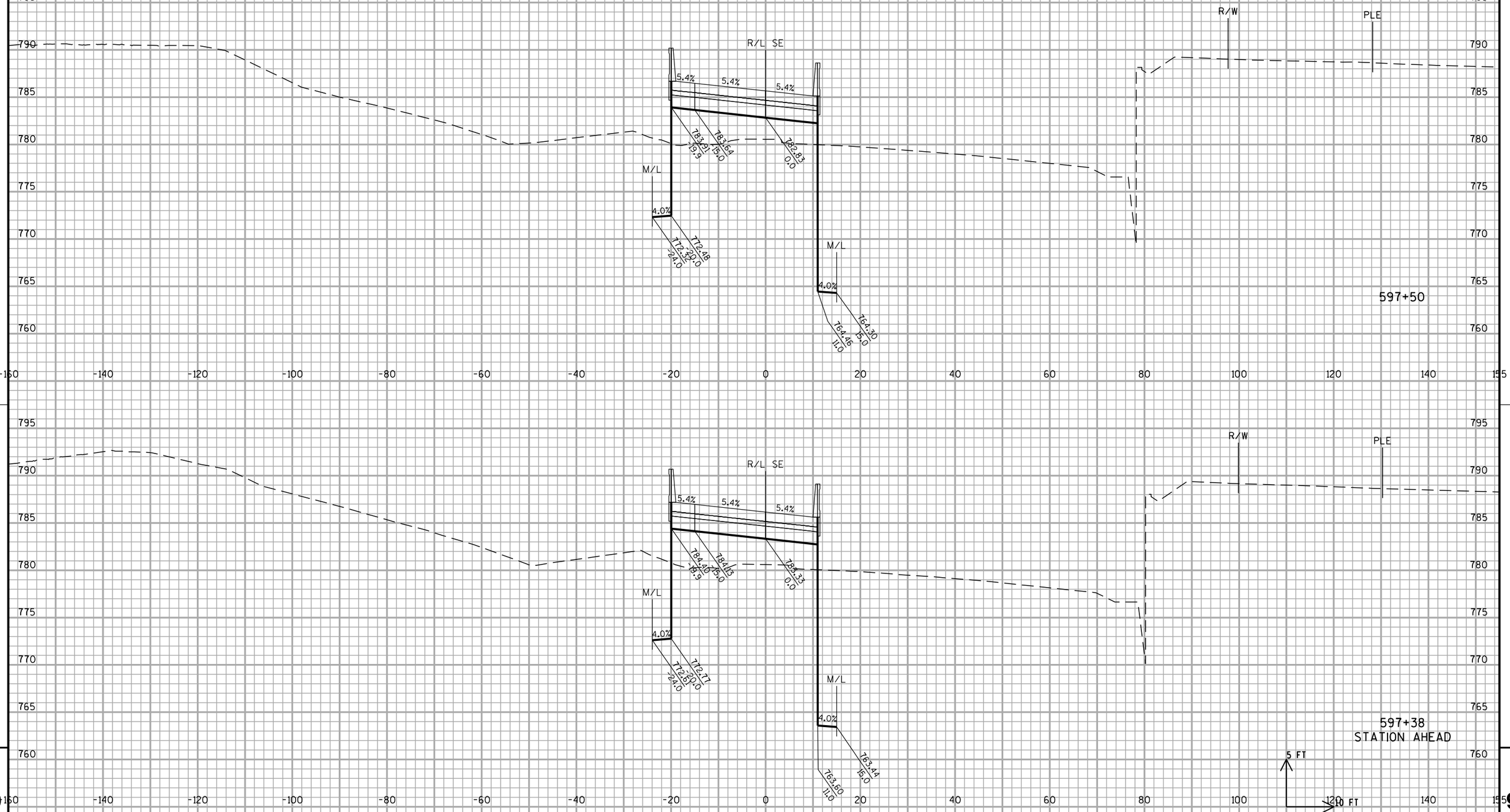


594+05
STATION BACK

STA 594+05 TO 594+05

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

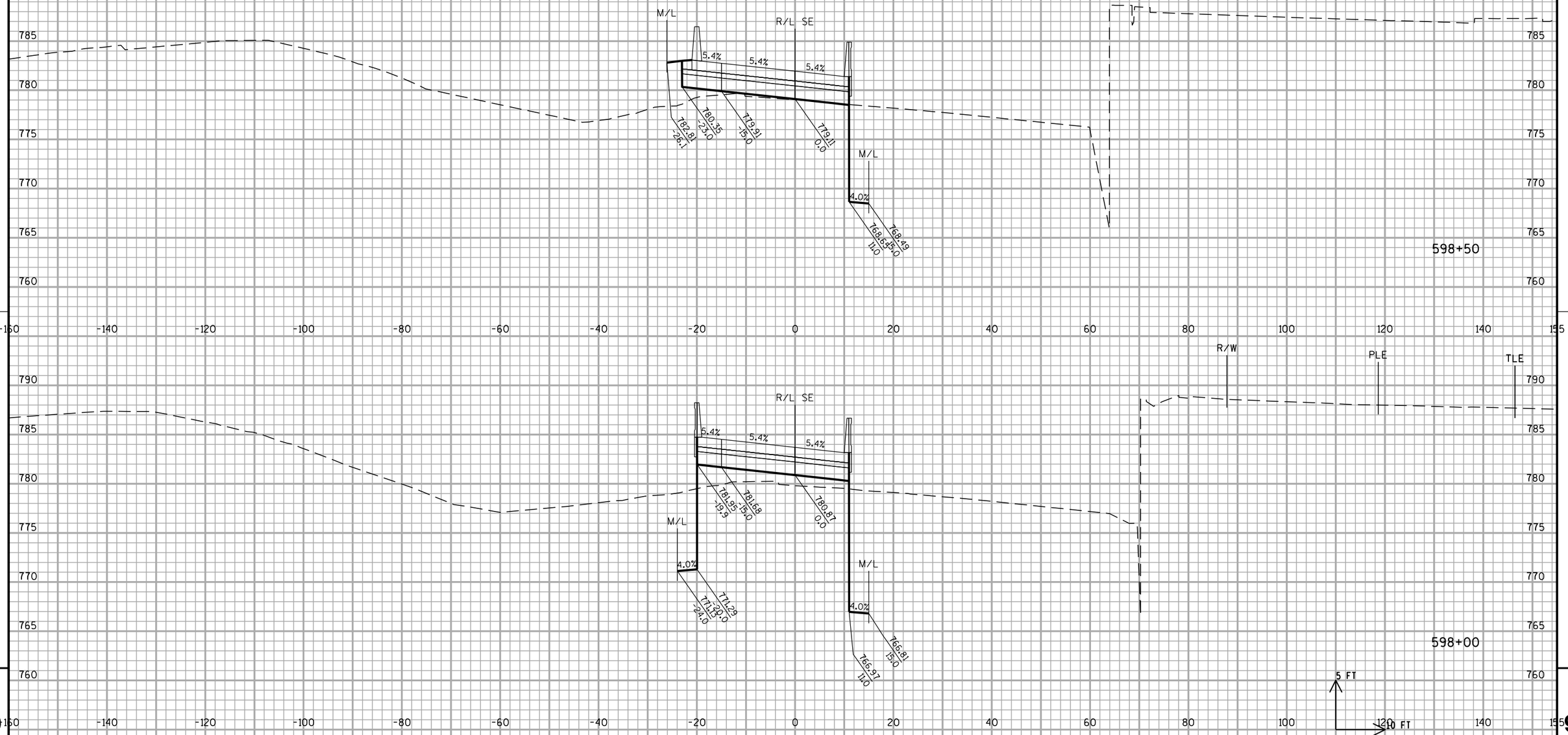
ALL WORK STAGE 5



STA 597+38 TO 597+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

ALL WORK STAGE 5

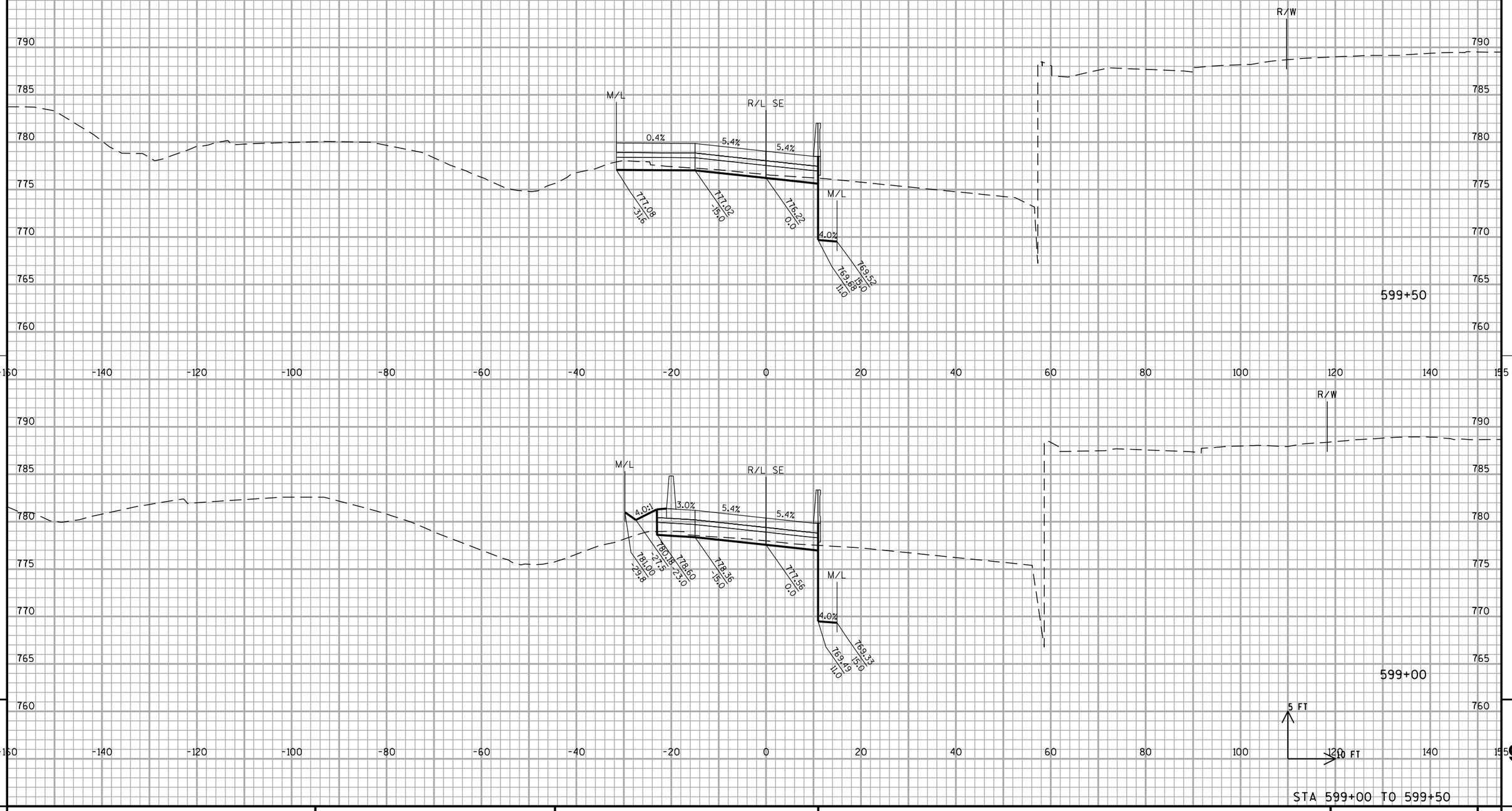


STA 598+00 TO 598+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se23 PLOT SCALE : 20:1

ALL WORK STAGE 5



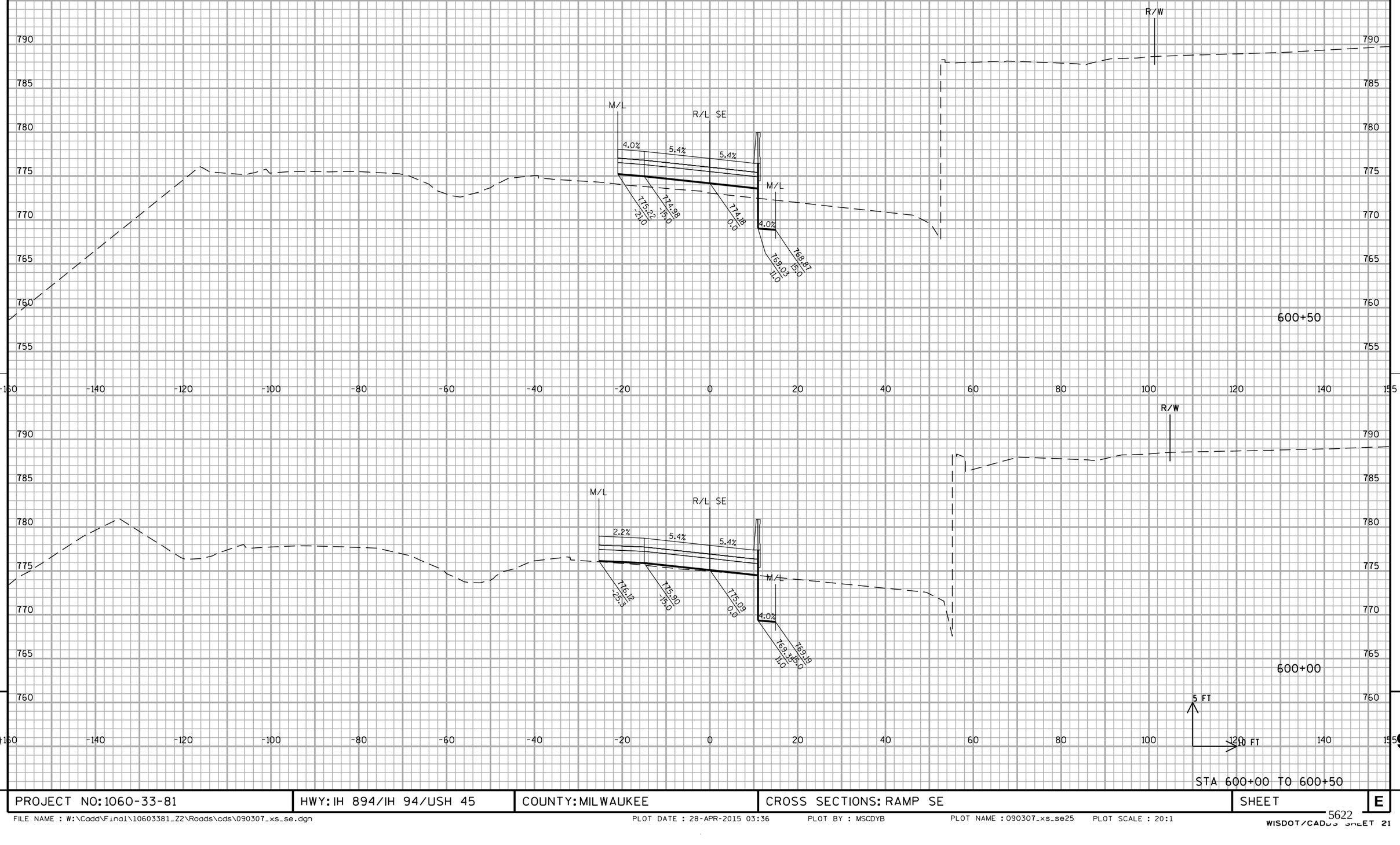
STA 599+00 TO 599+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

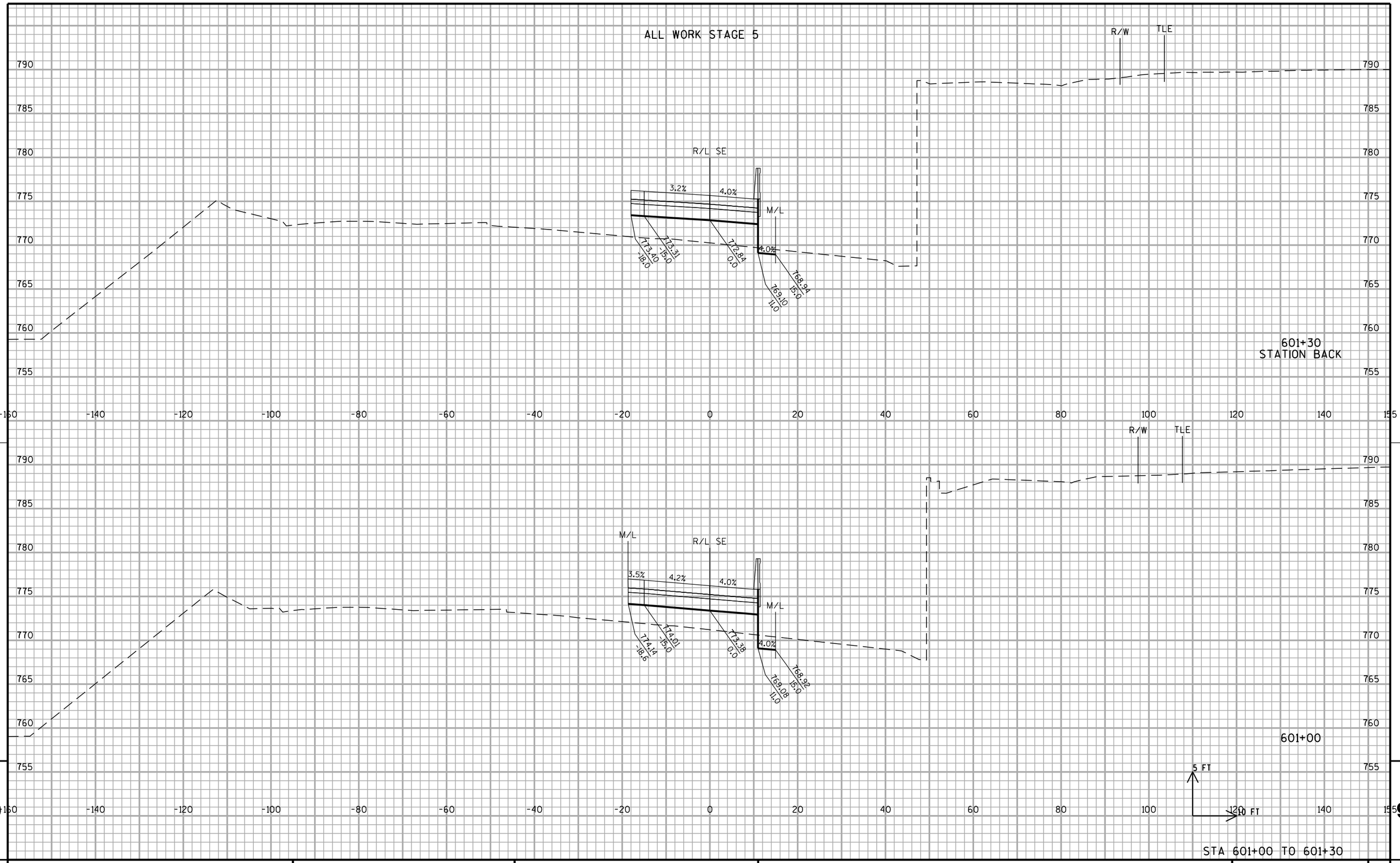
ALL WORK STAGE 5



STA 600+00 TO 600+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

ALL WORK STAGE 5



STA 601+00 TO 601+30

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090307_xs_se.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090307_xs_se26 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 572+01 TO 572+50

9

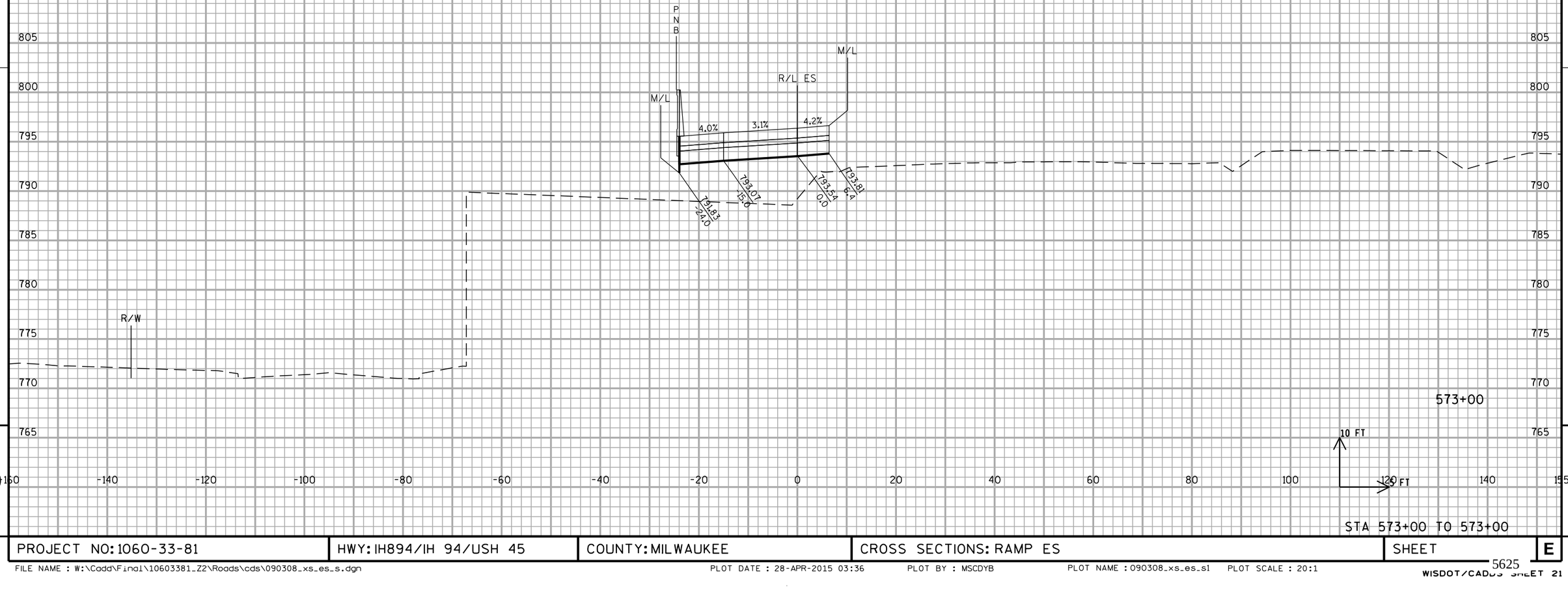
9

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

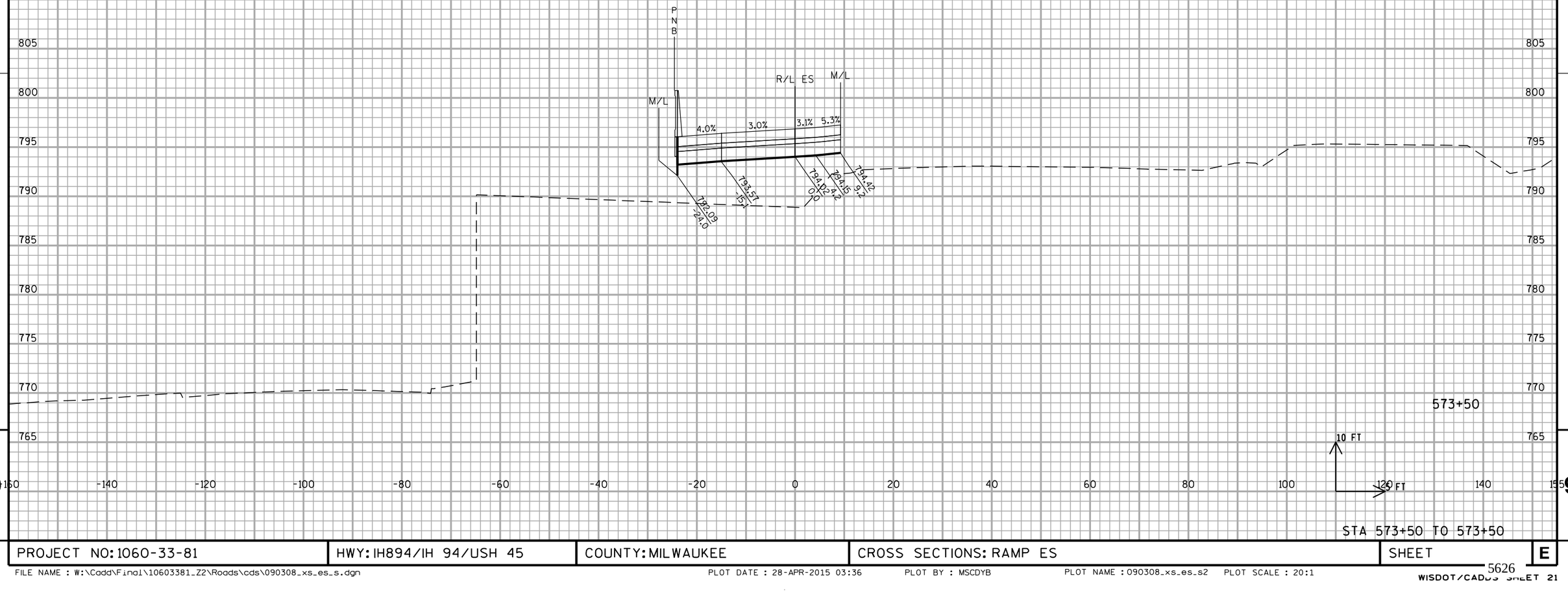
ALL WORK STAGE 6



STA 573+00 TO 573+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

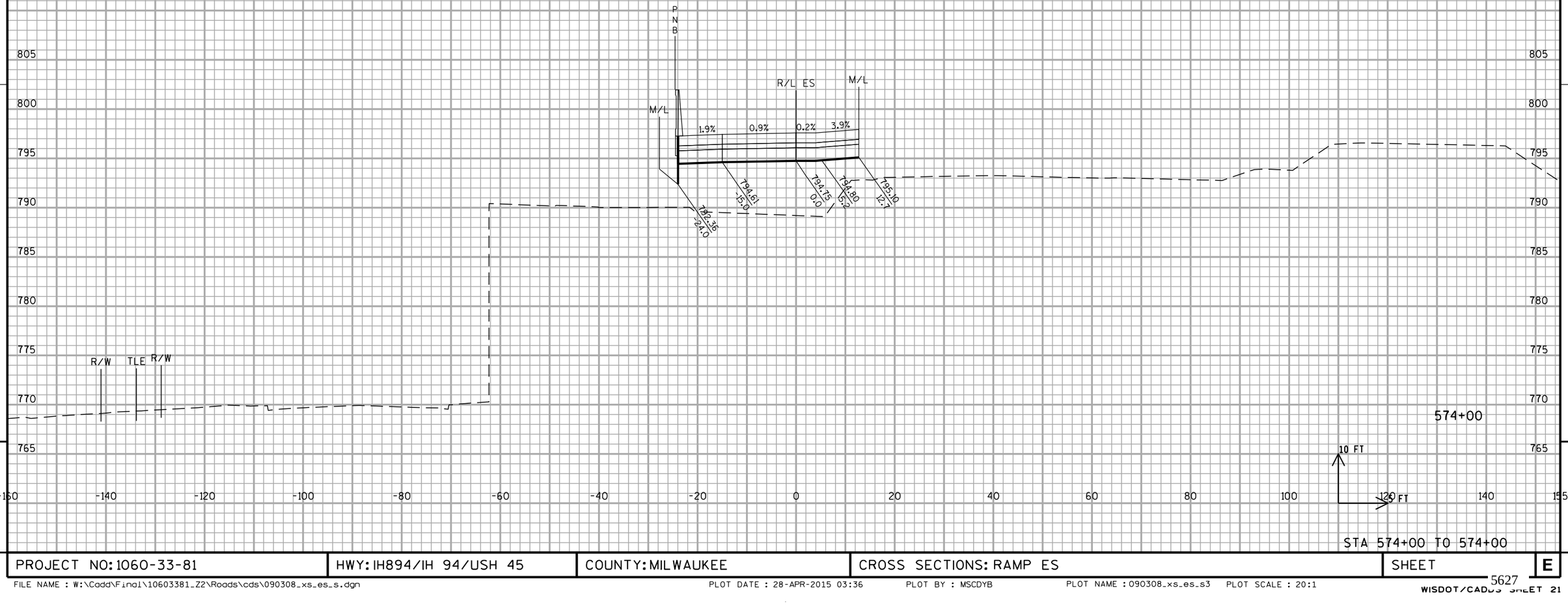
ALL WORK STAGE 6



STA 573+50 TO 573+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 6

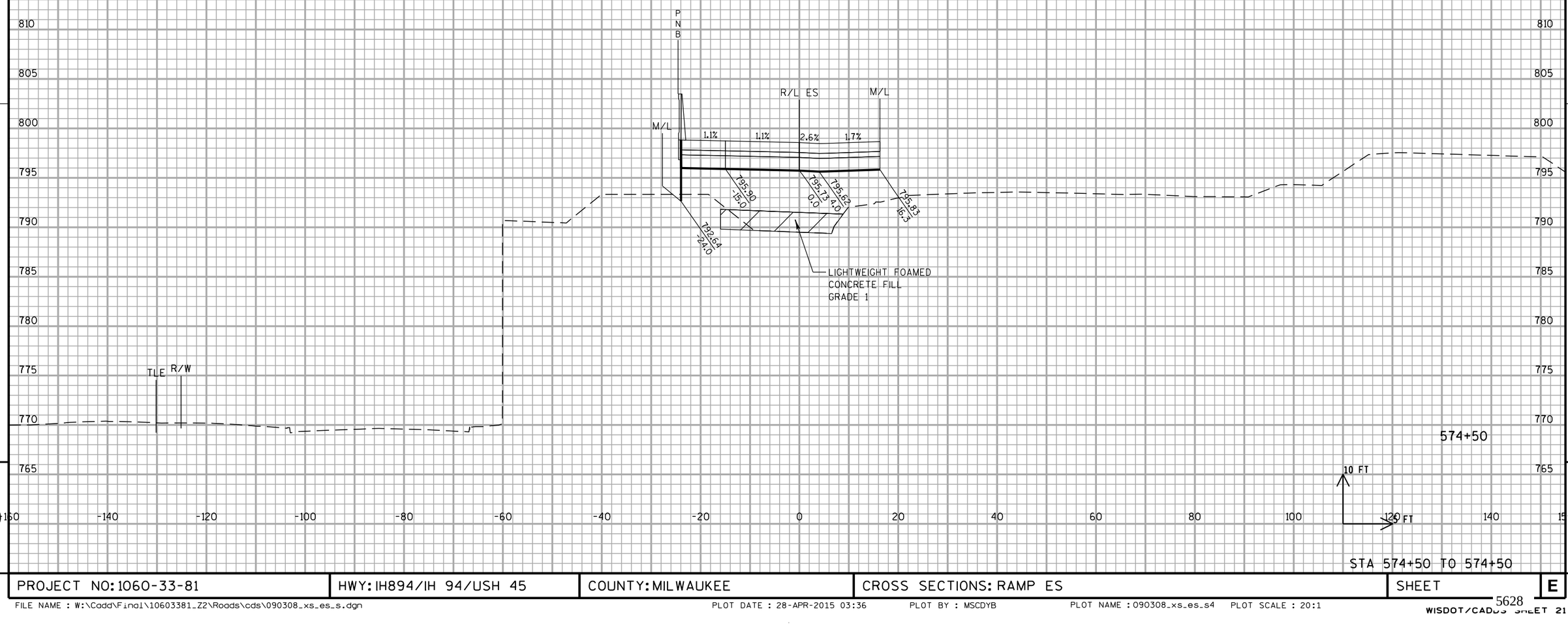


STA 574+00 TO 574+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s3 PLOT SCALE : 20:1

ALL WORK STAGE 6



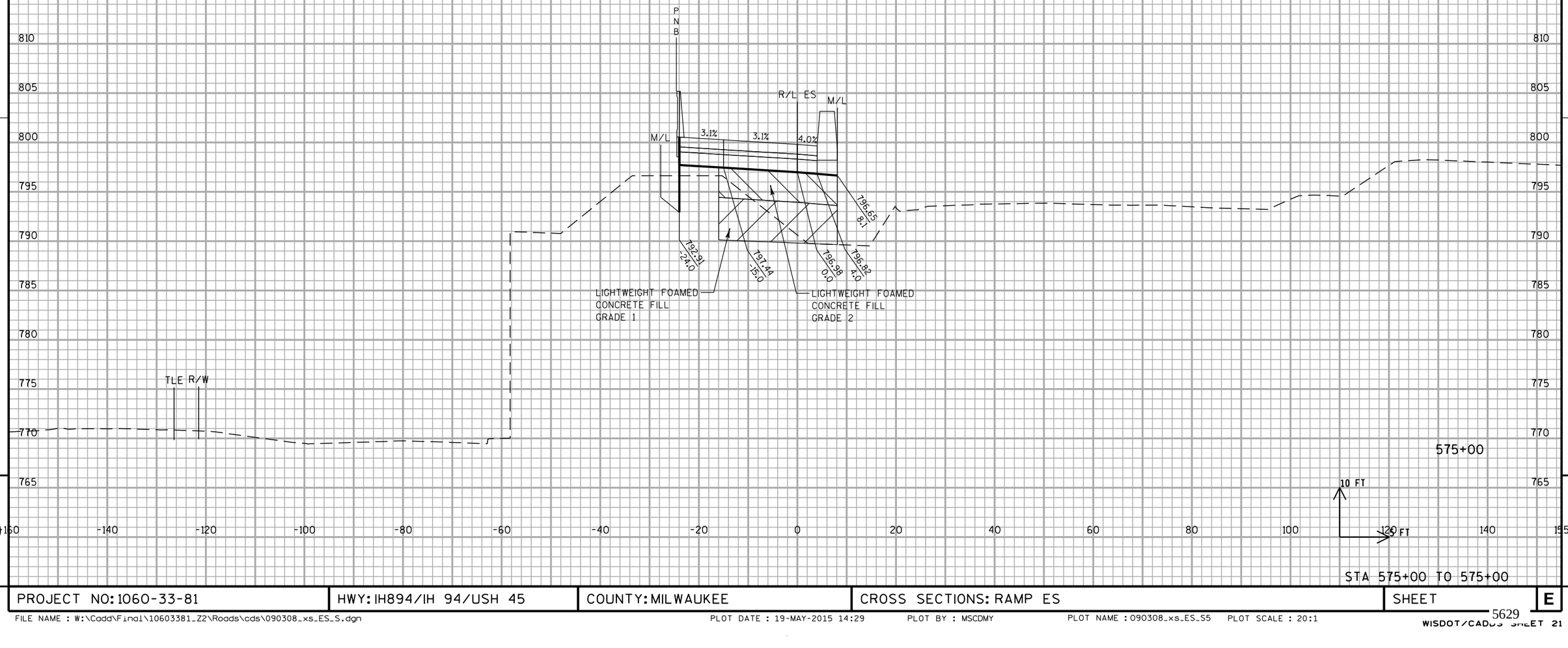
STA 574+50 TO 574+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

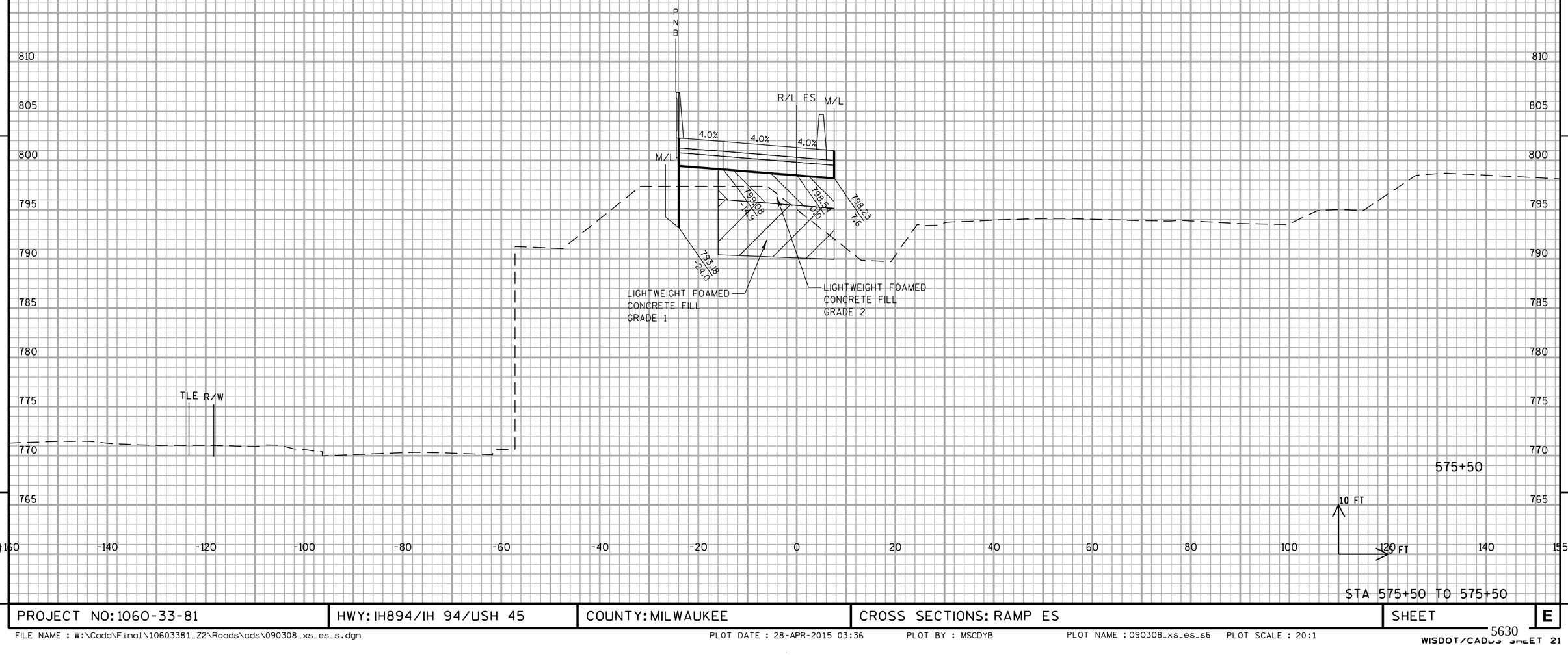
ALL WORK STAGE 6



STA 575+00 TO 575+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 6

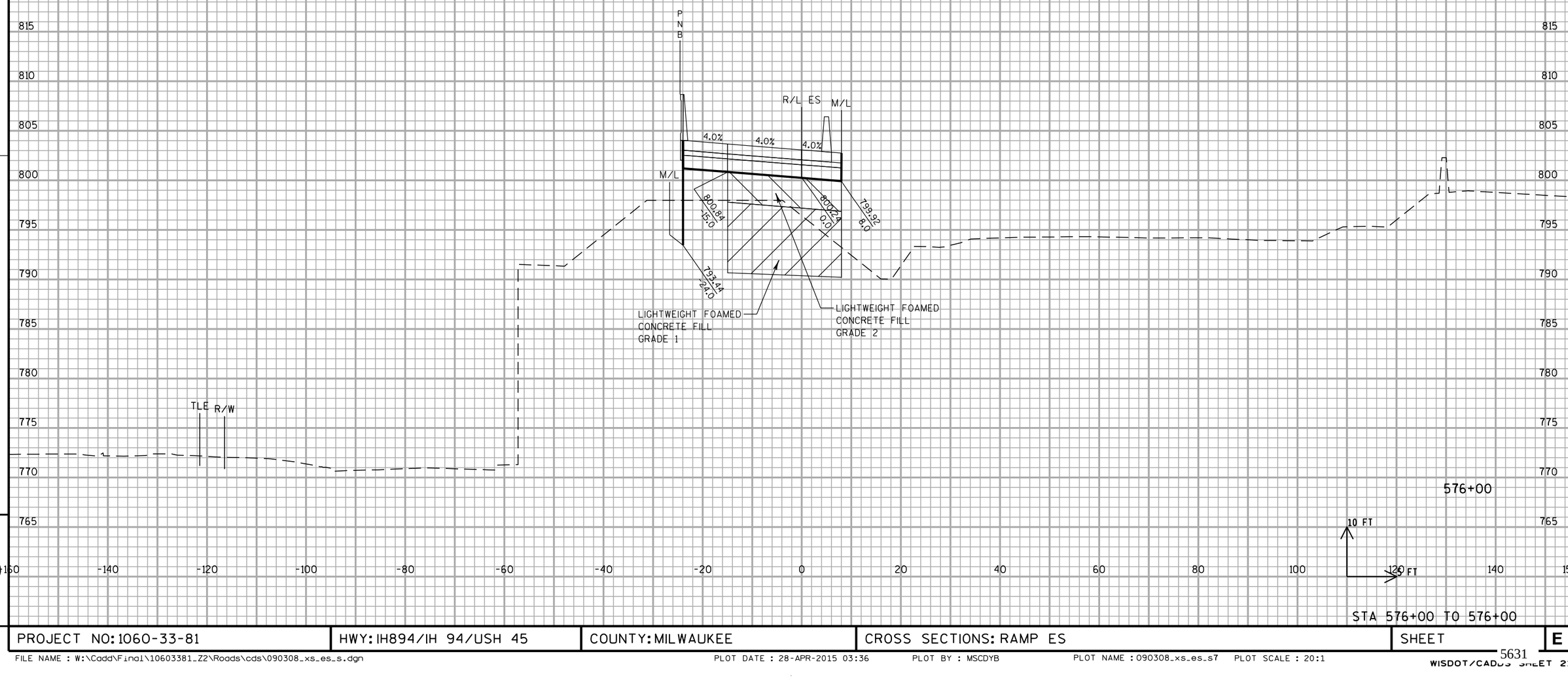


STA 575+50 TO 575+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s6 PLOT SCALE : 20:1

ALL WORK STAGE 6



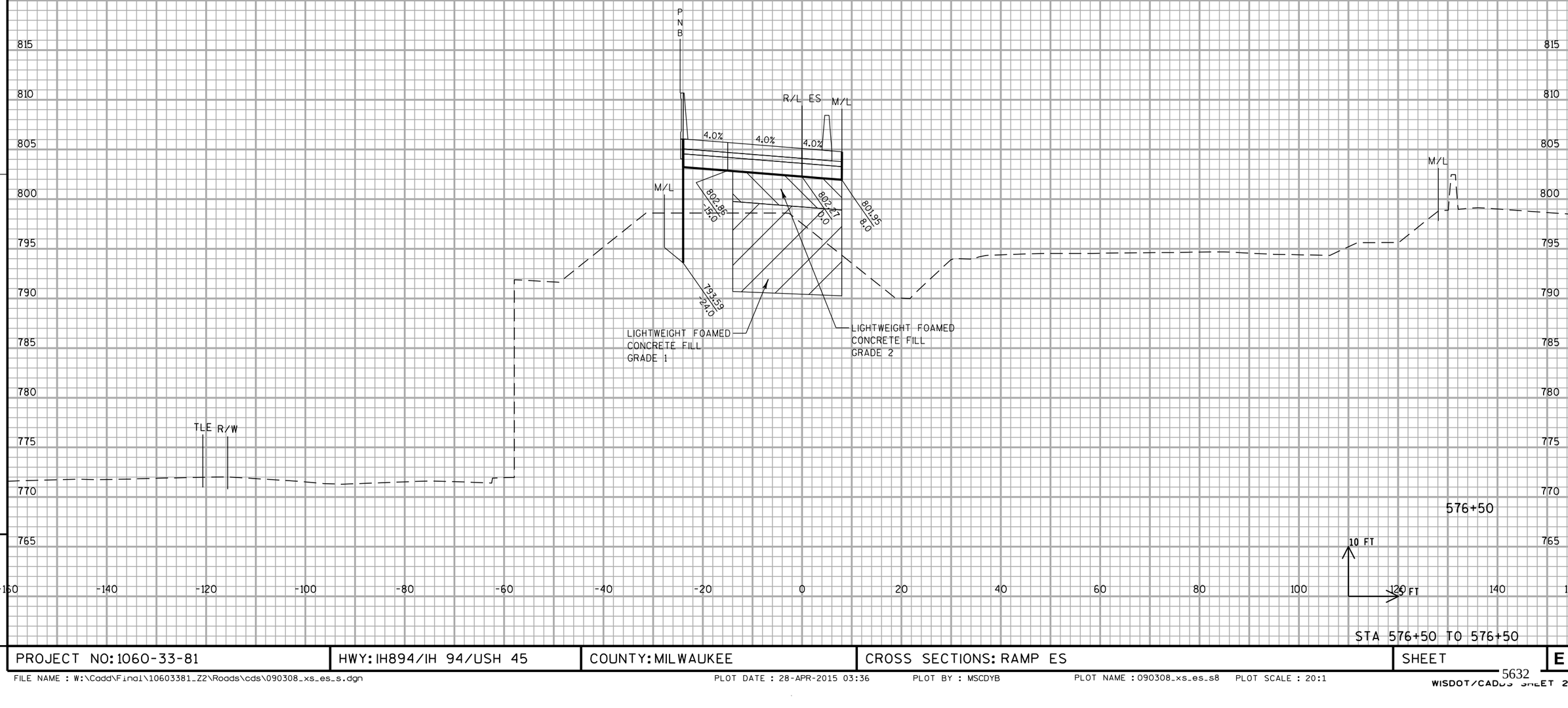
STA 576+00 TO 576+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



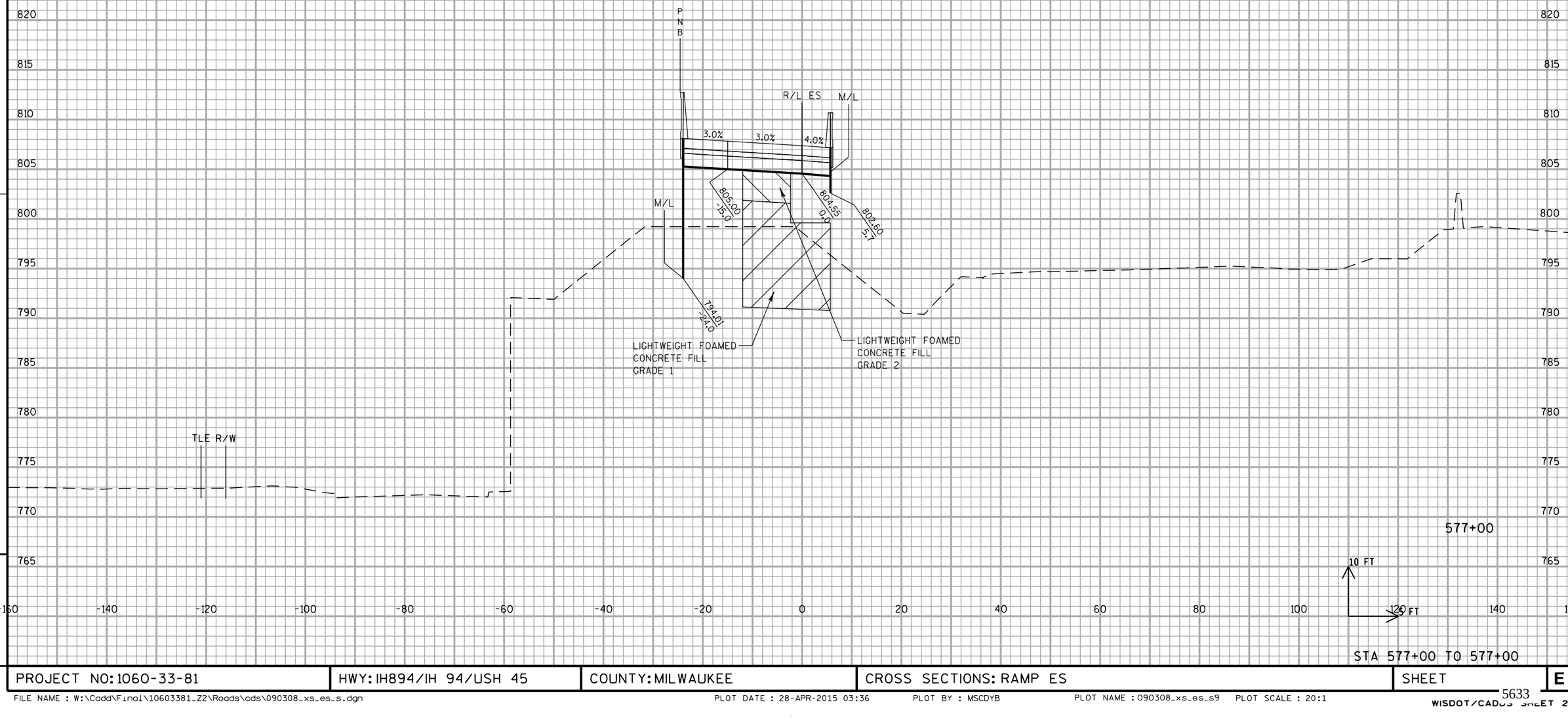
STA 576+50 TO 576+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

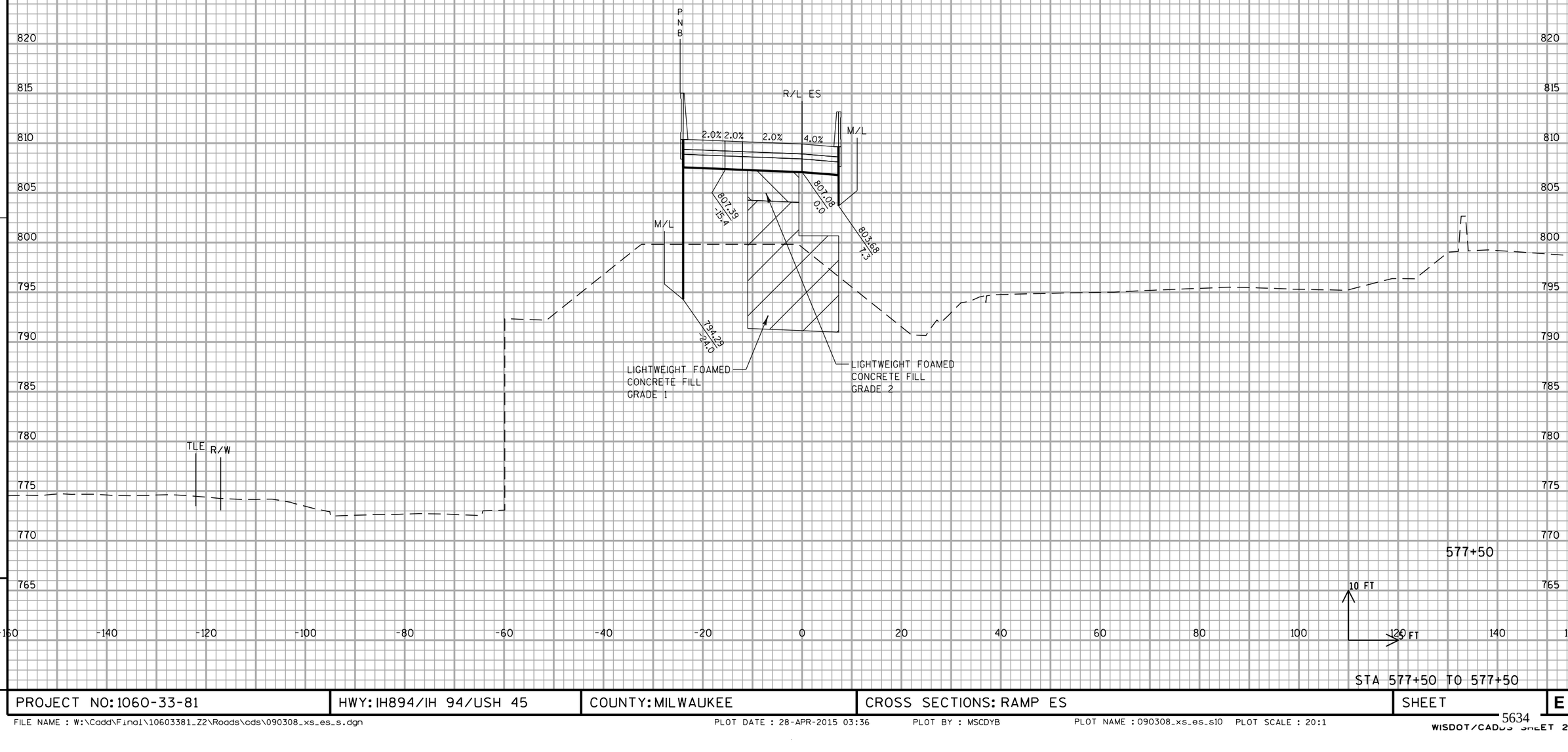
ALL WORK STAGE 6



STA 577+00 TO 577+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

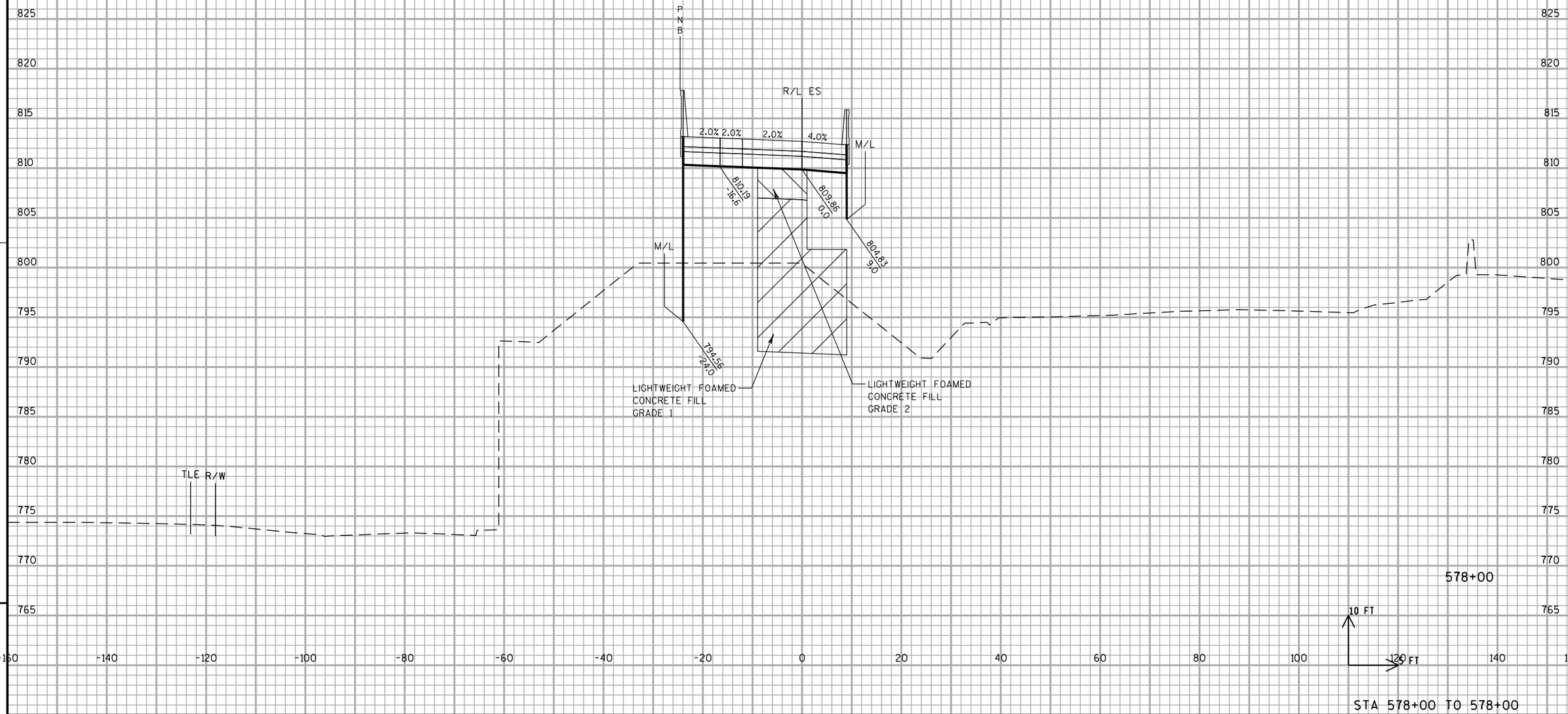
ALL WORK STAGE 6



STA 577+50 TO 577+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 6

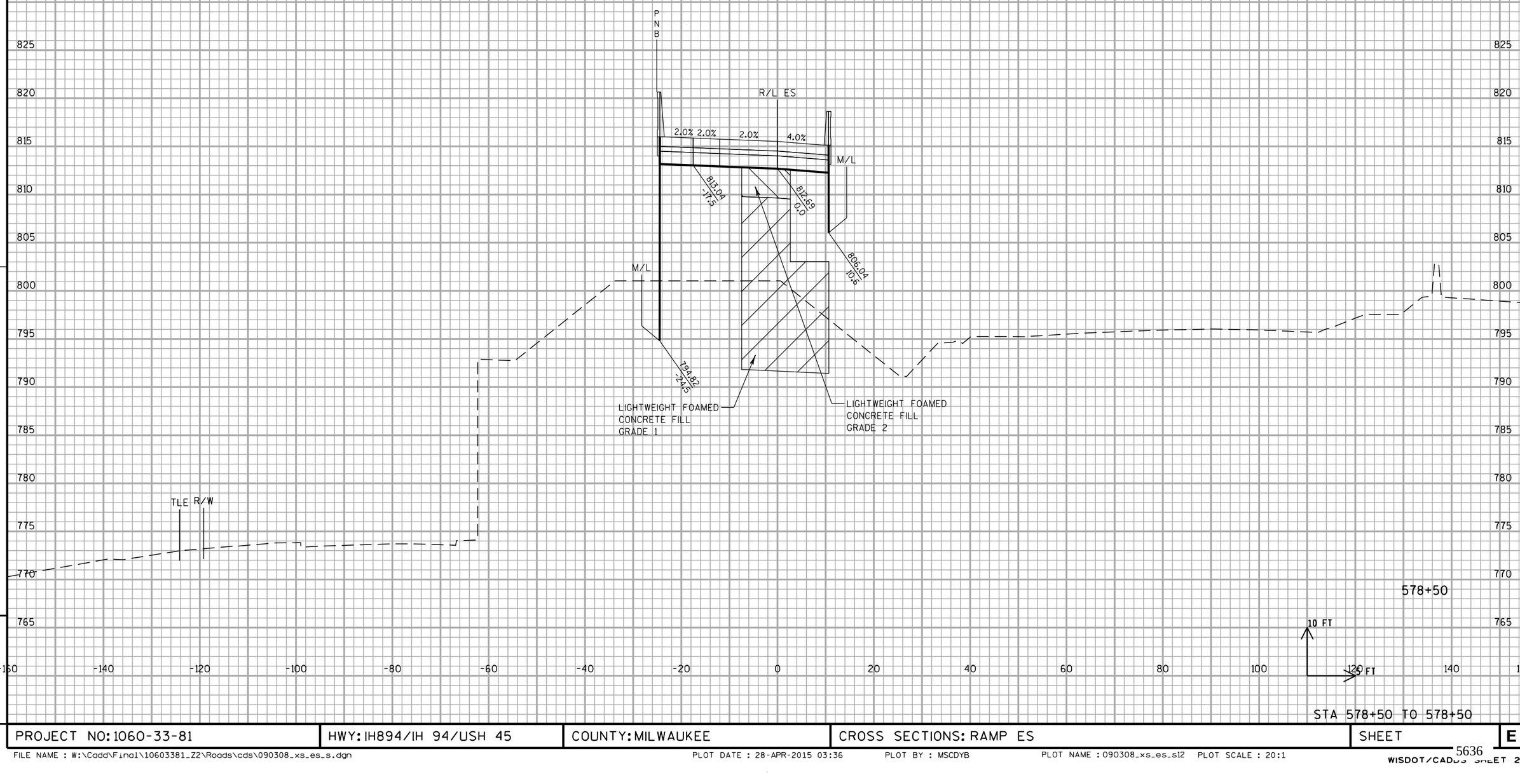


STA 578+00 TO 578+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s11 PLOT SCALE : 20:1

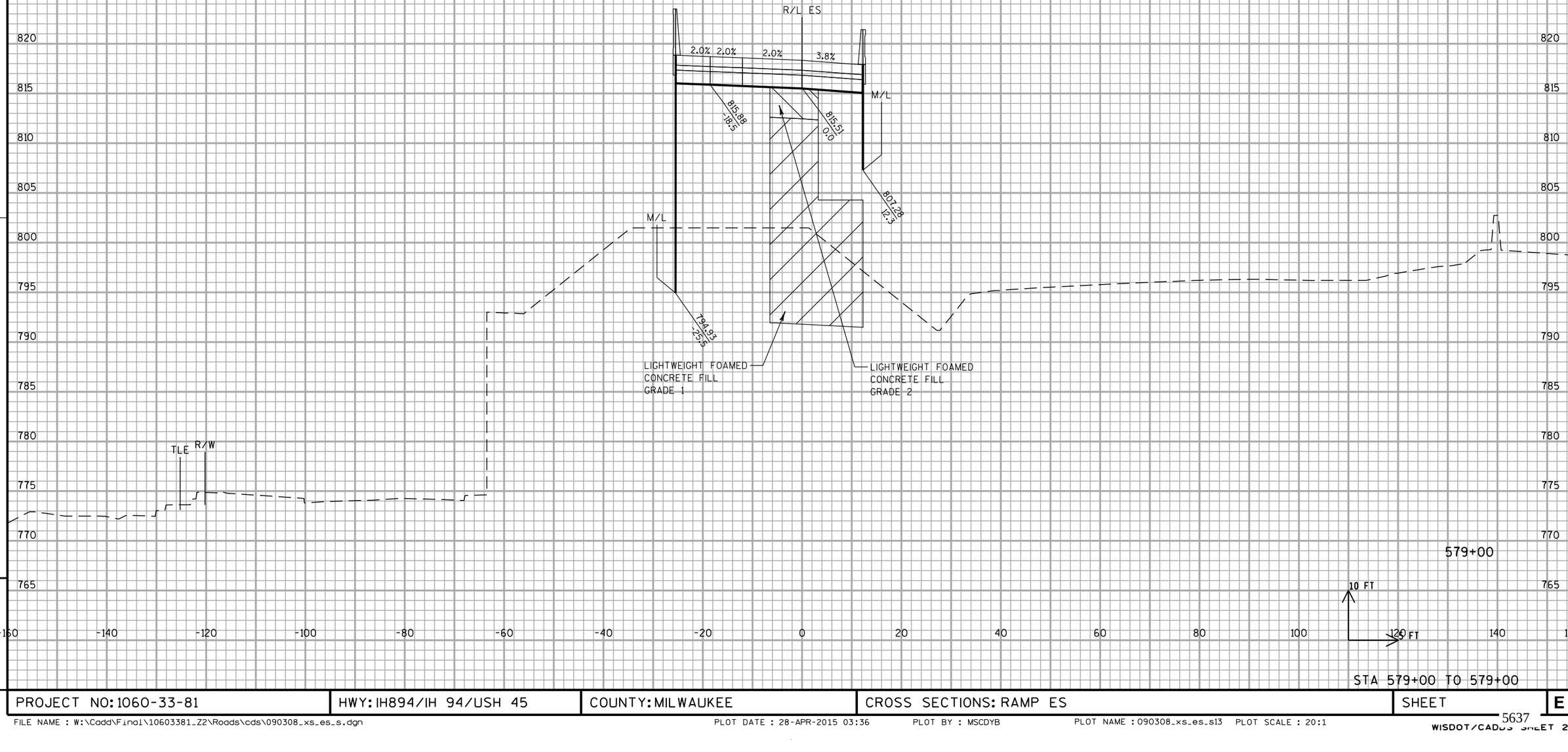
ALL WORK STAGE 6



STA 578+50 TO 578+50

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 6

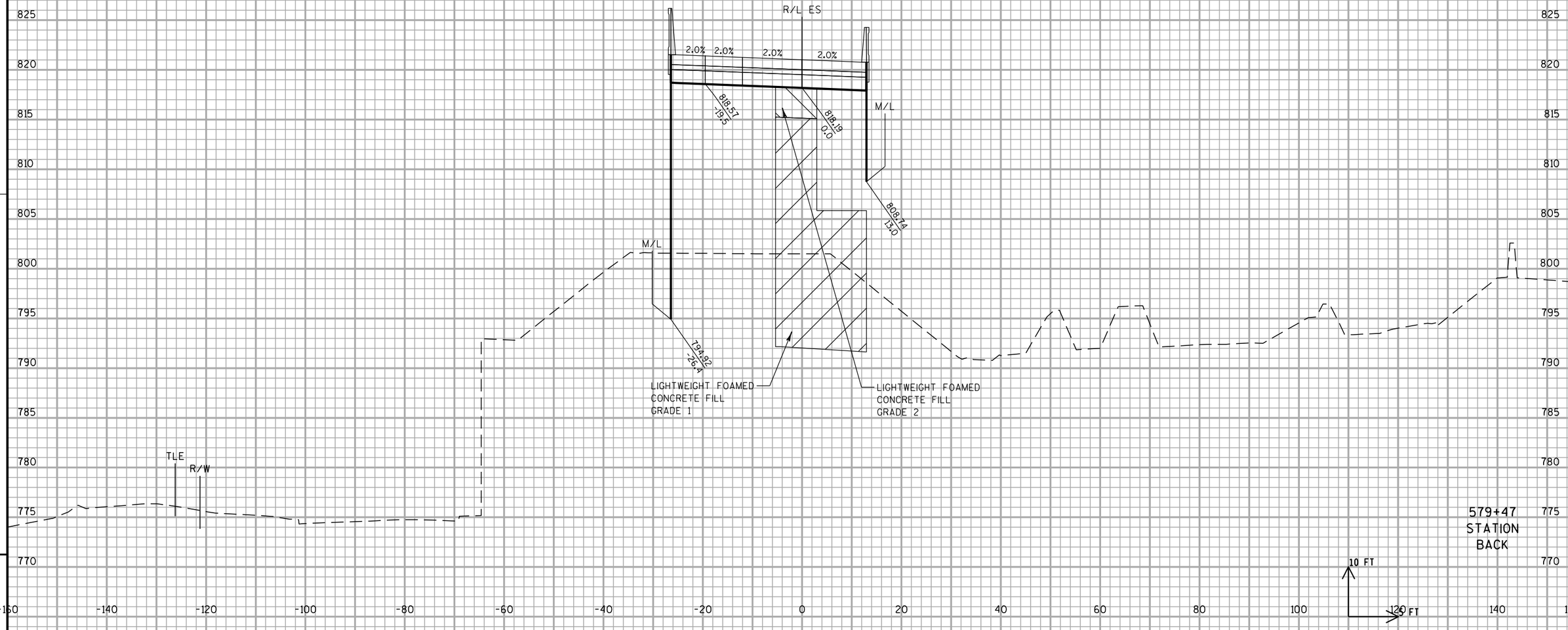


STA 579+00 TO 579+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090308_xs_es_s.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090308_xs_es_s13 PLOT SCALE : 20:1

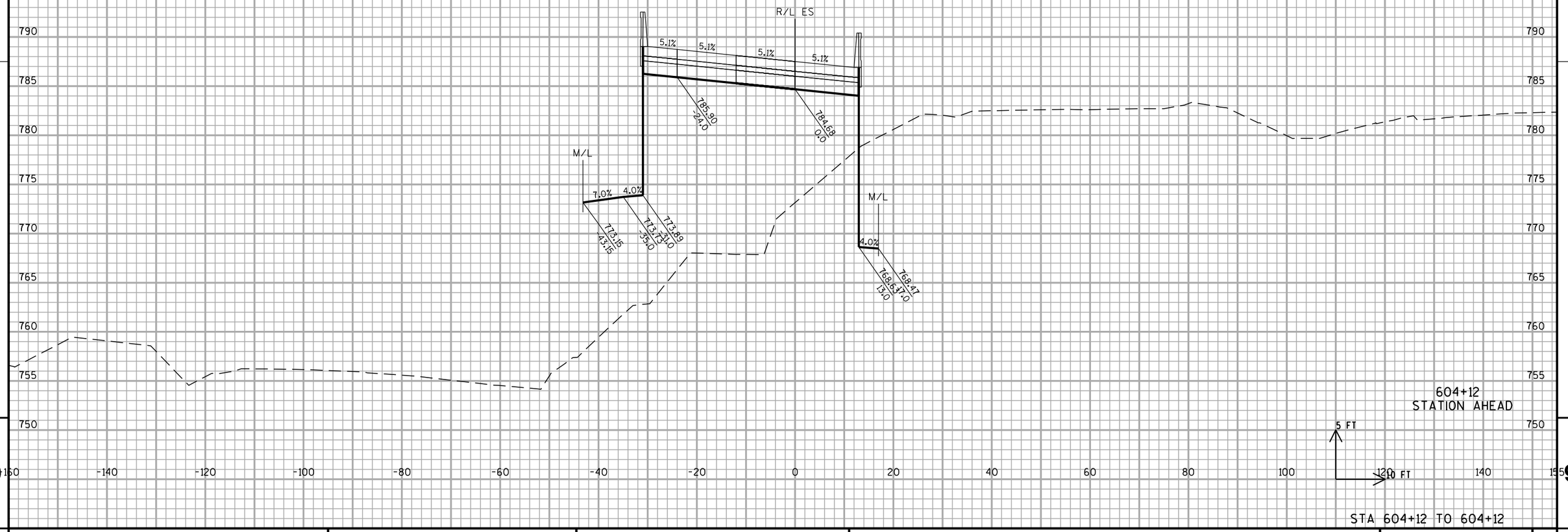
ALL WORK STAGE 6



STA 579+47 TO 579+47

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 6



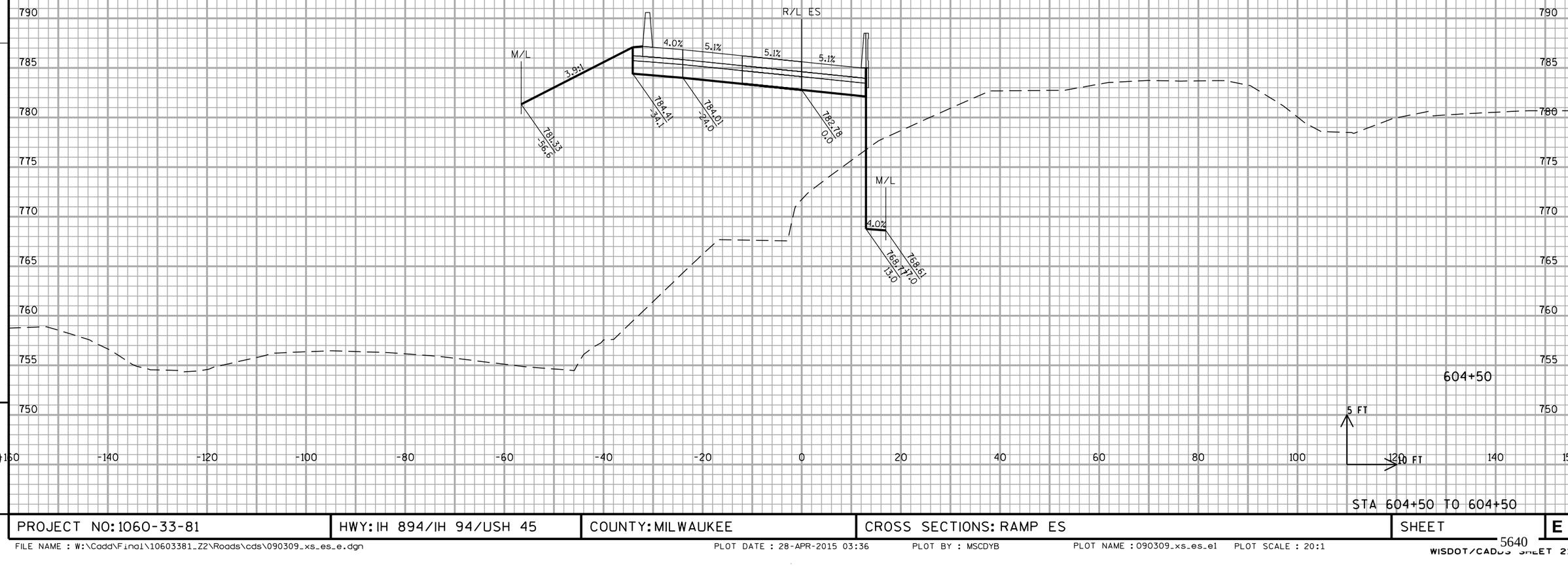
STA 604+12 TO 604+12

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090309_xs_es_e.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090309_xs_es_e PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

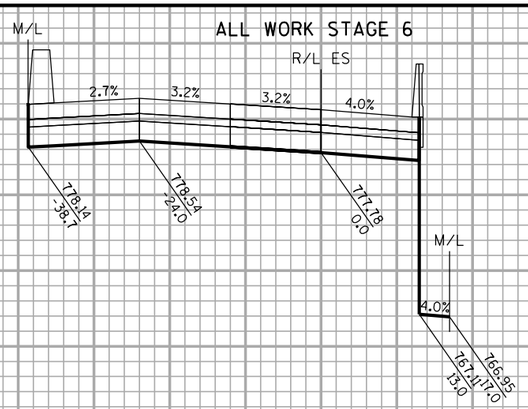
STA 604+50 TO 604+50

9

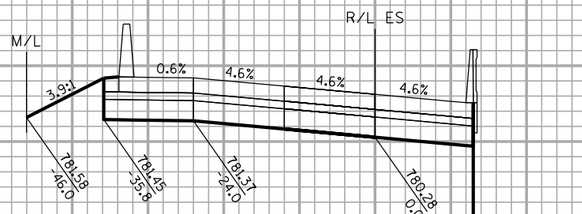
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090309_xs_es_e.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090309_xs_es_e1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



605+50



605+00

5 FT
10 FT

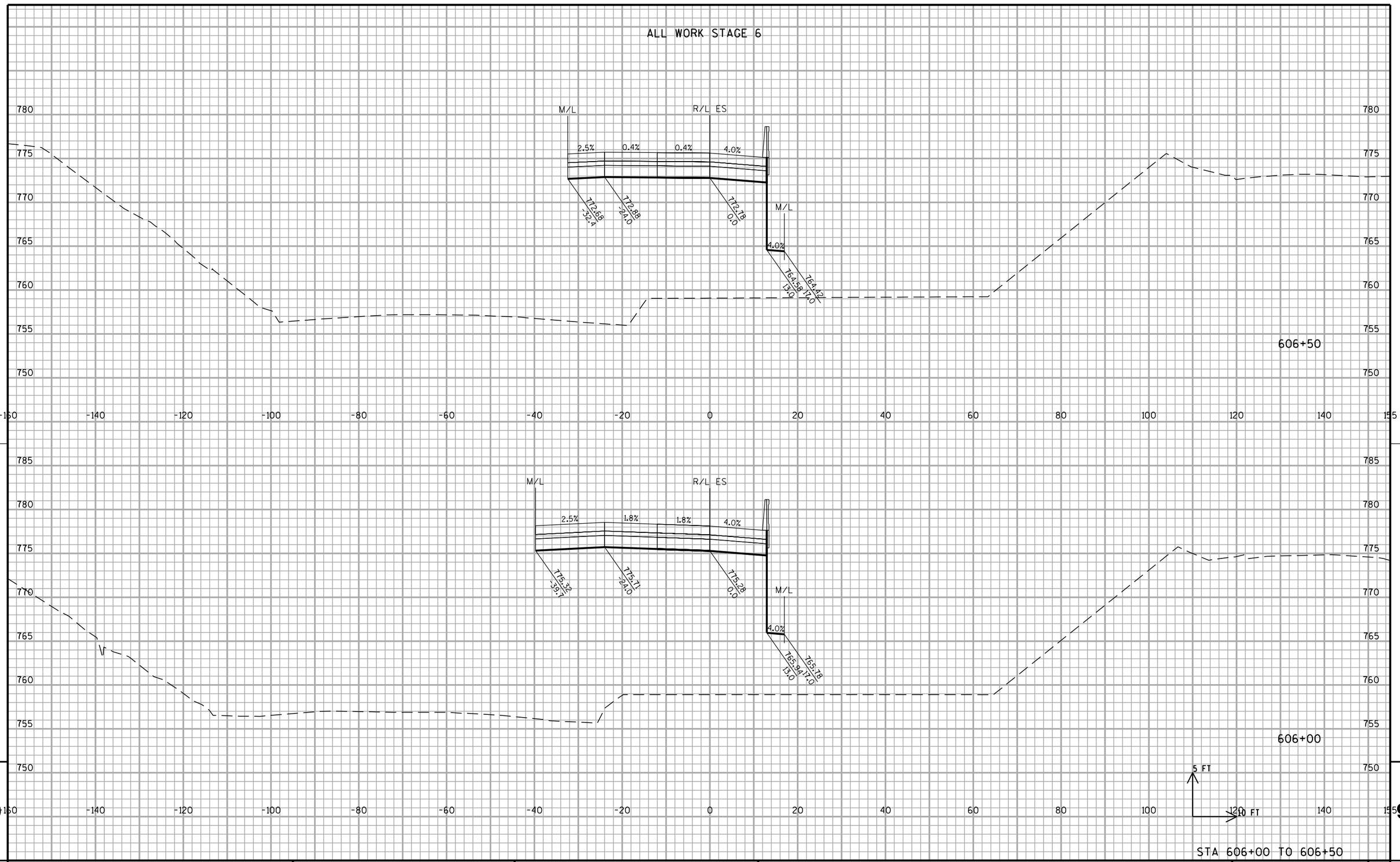
STA 605+00 TO 605+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090309_xs_es_e.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090309_xs_es_e2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 606+00 TO 606+50

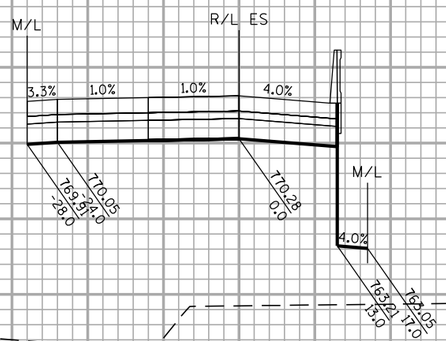
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090309_xs_es_e.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090309_xs_es_e3 PLOT SCALE : 20:1

ALL WORK STAGE 6



607+16
STATION BACK



607+00

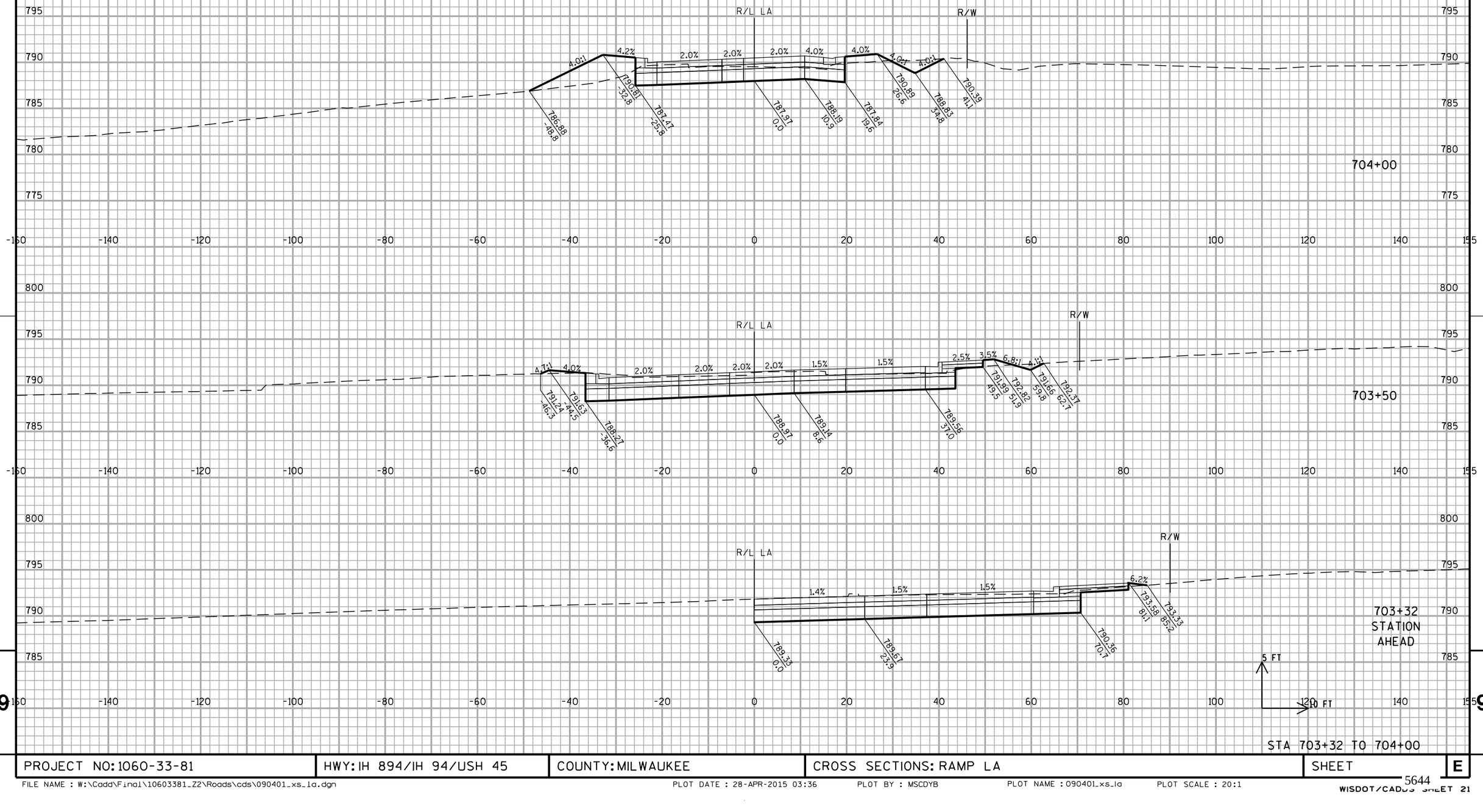
5 FT
10 FT

STA 607+00 TO 607+16

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ES	SHEET	E

ALL WORK STAGE 2

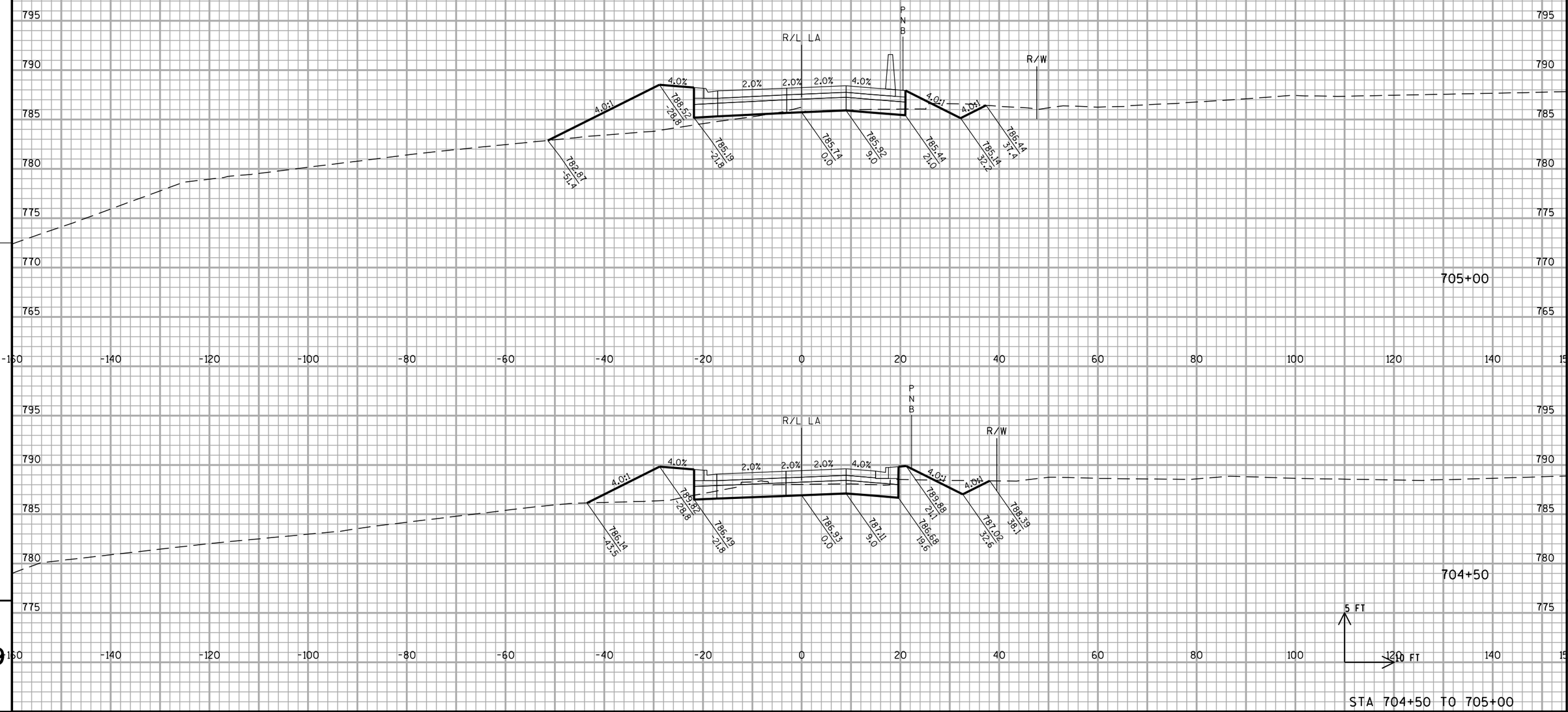


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

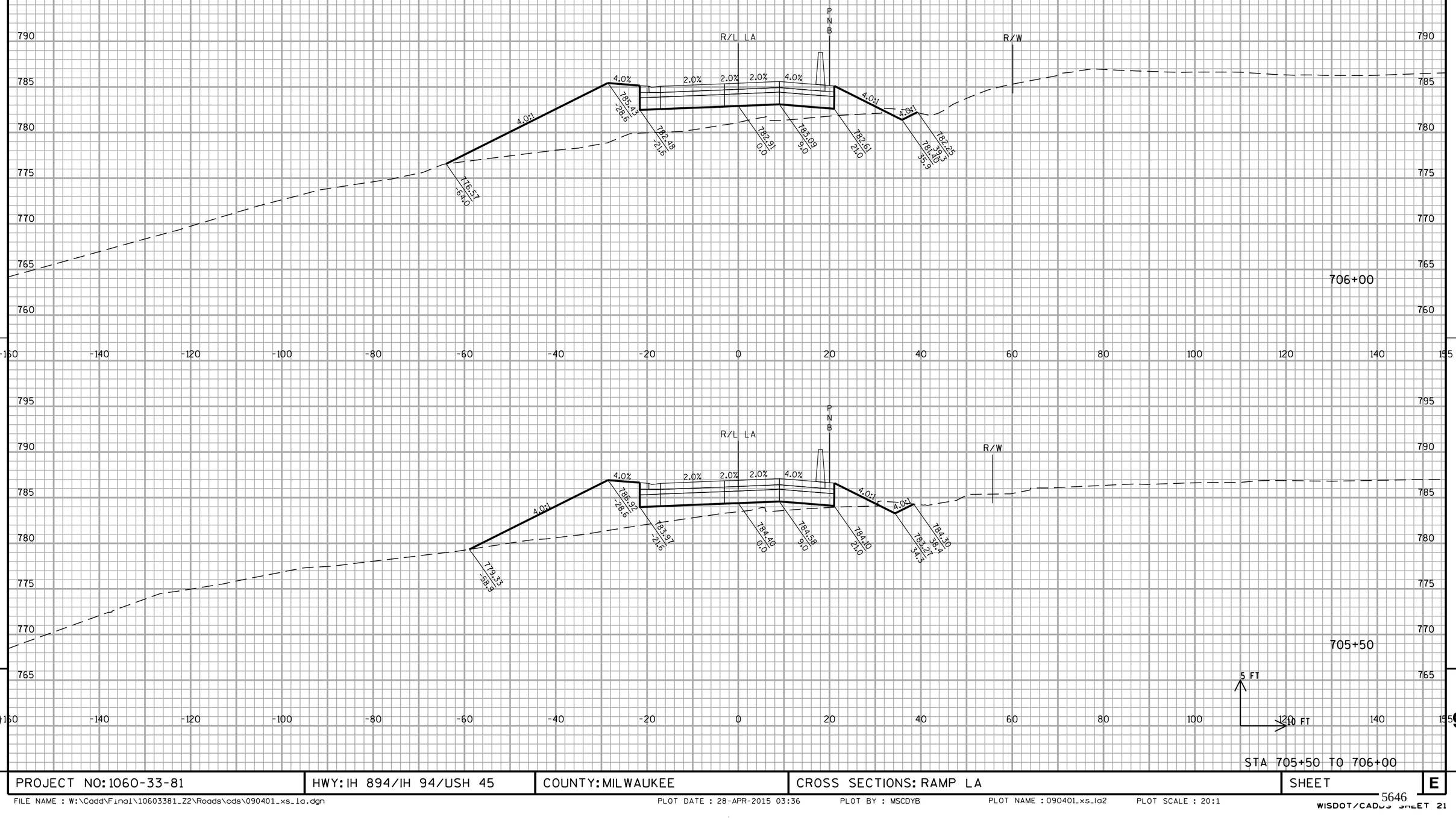
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_1a.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_1a1 PLOT SCALE : 20:1

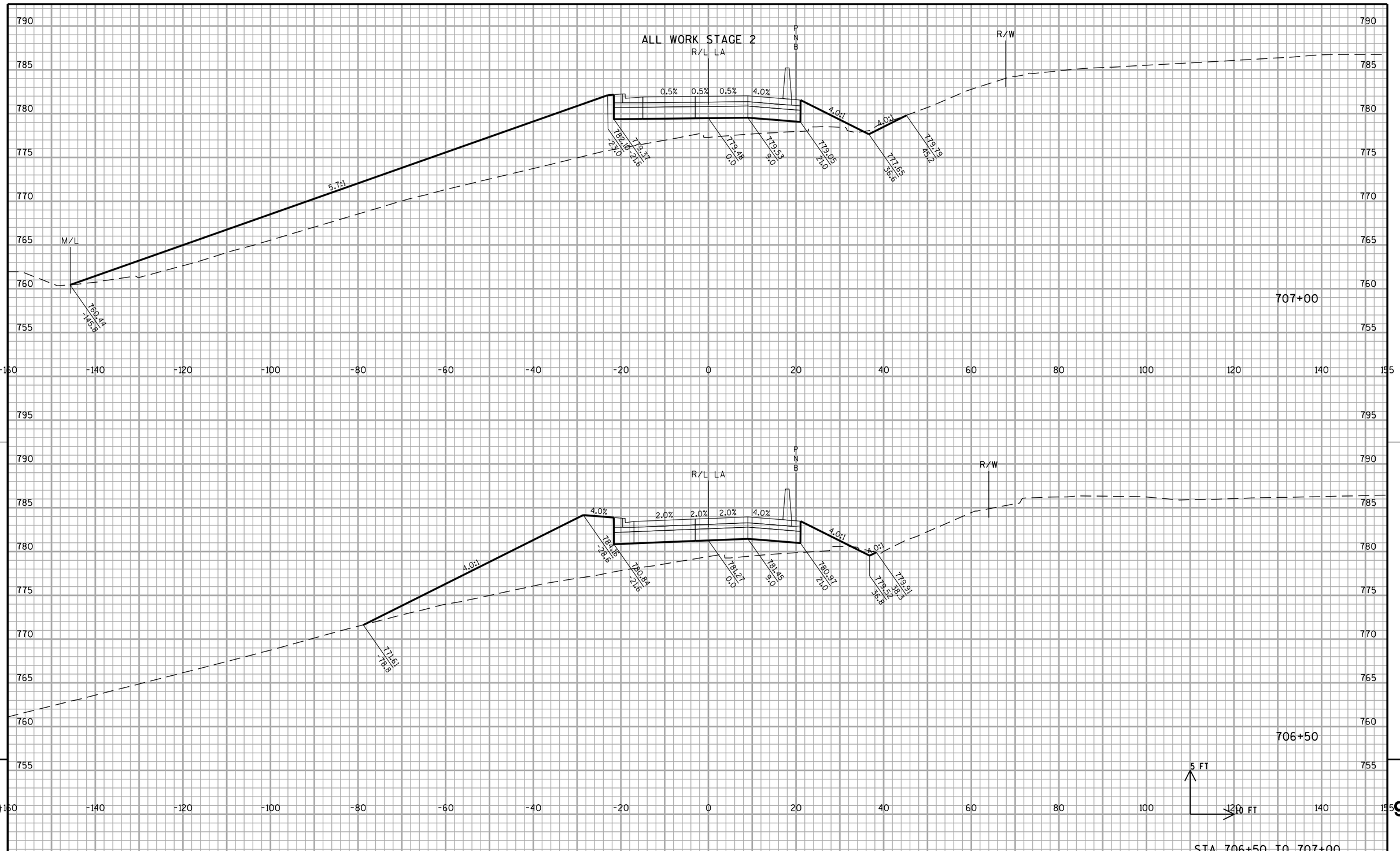
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la2 PLOT SCALE : 20:1

ALL WORK STAGE 2

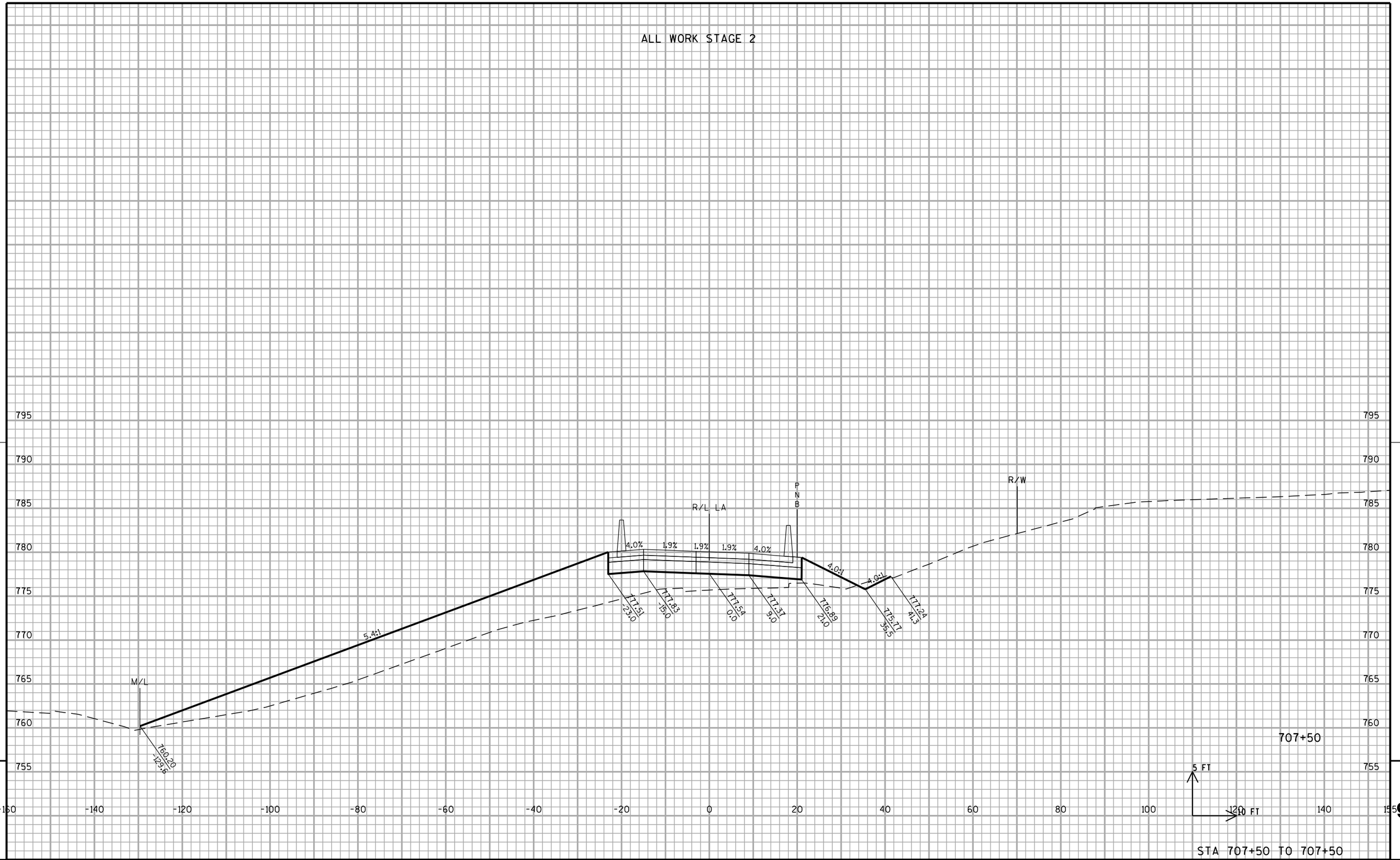


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



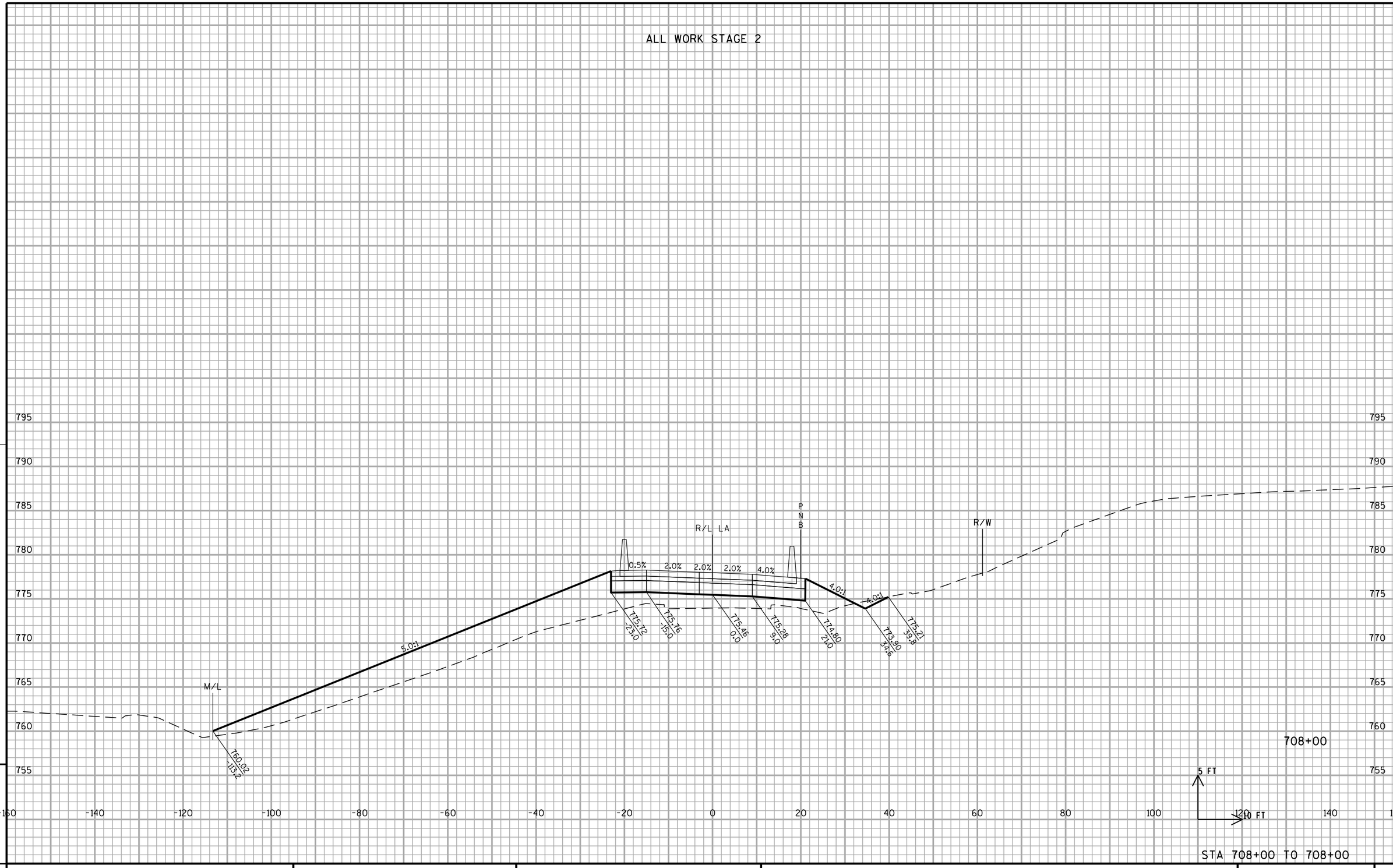
STA 707+50 TO 707+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



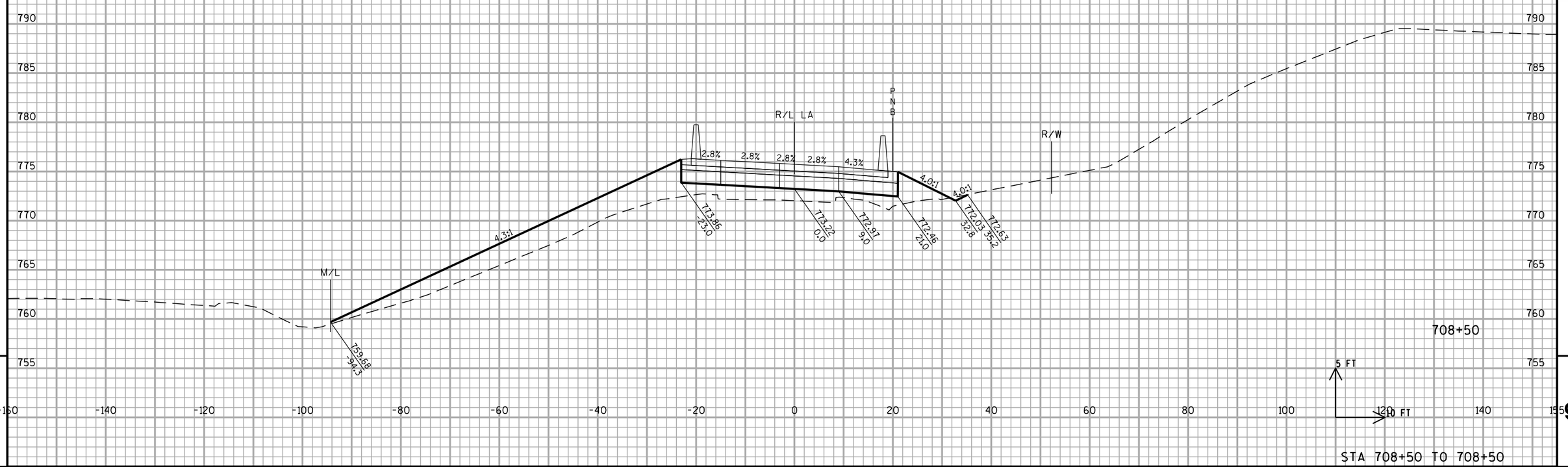
STA 708+00 TO 708+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



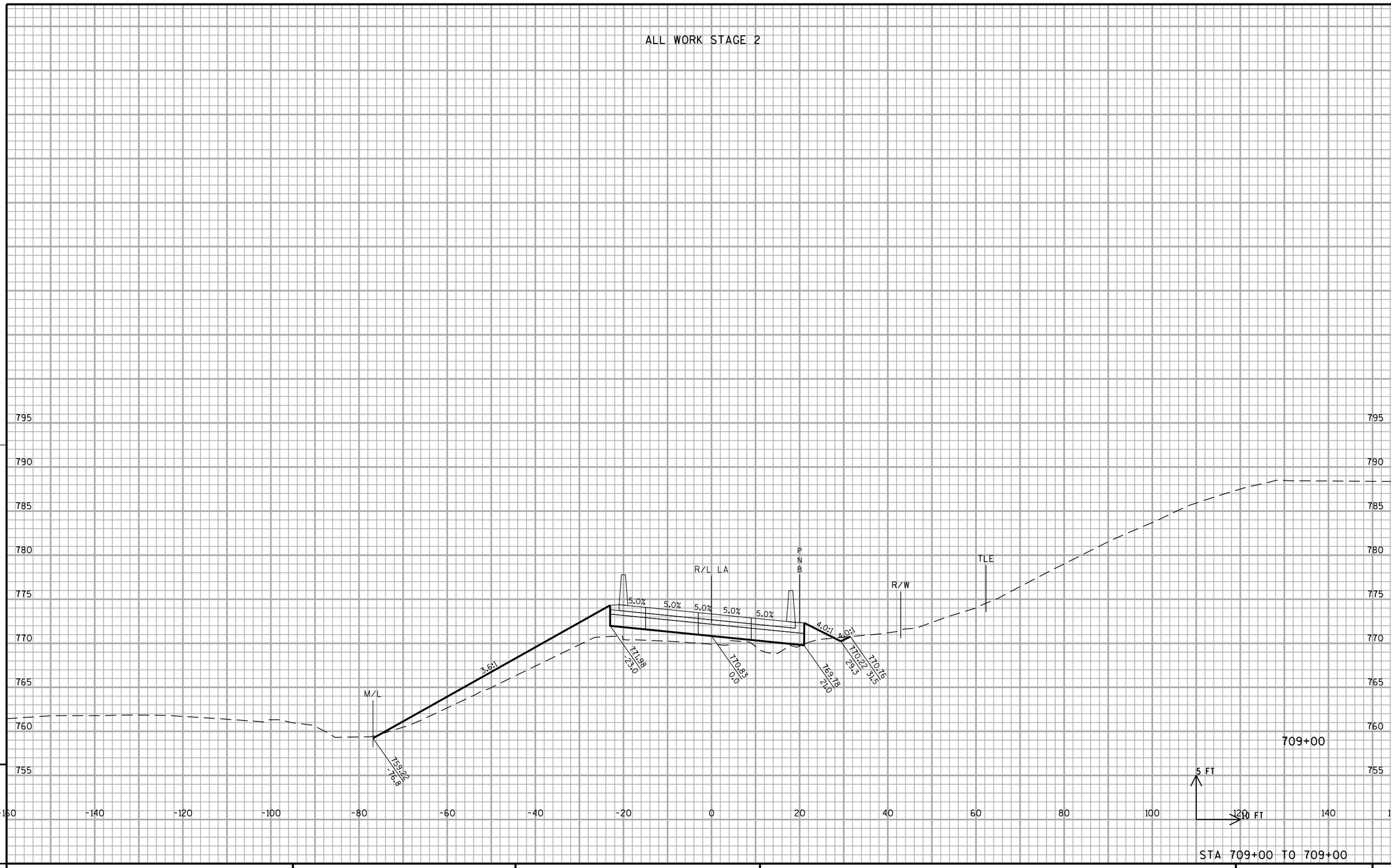
STA 708+50 TO 708+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

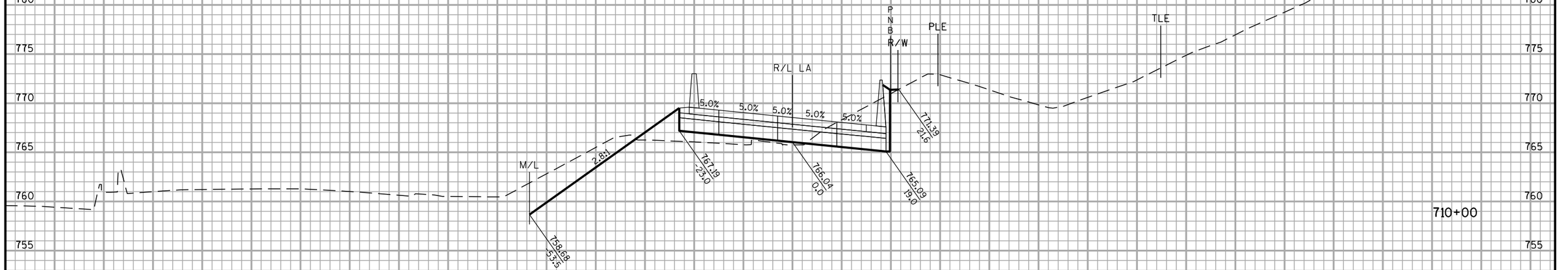
ALL WORK STAGE 2

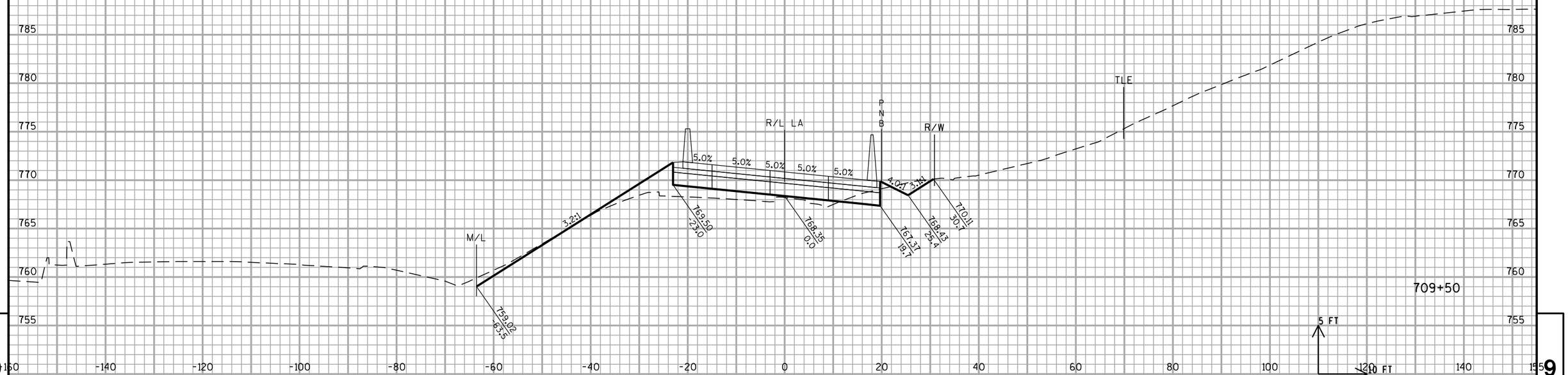


STA 709+00 TO 709+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

ALL WORK STAGE 2

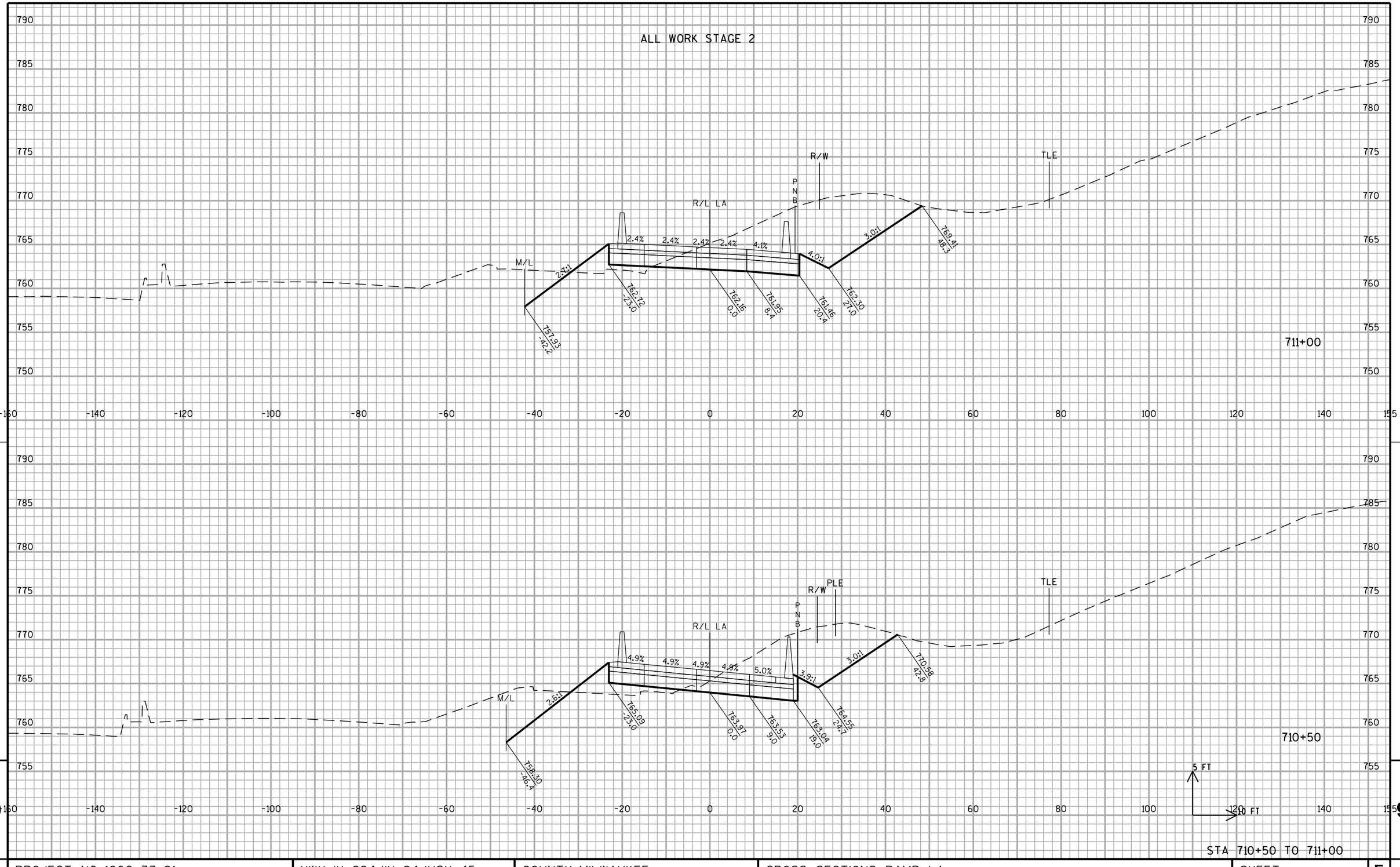




STA 709+50 TO 710+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

ALL WORK STAGE 2

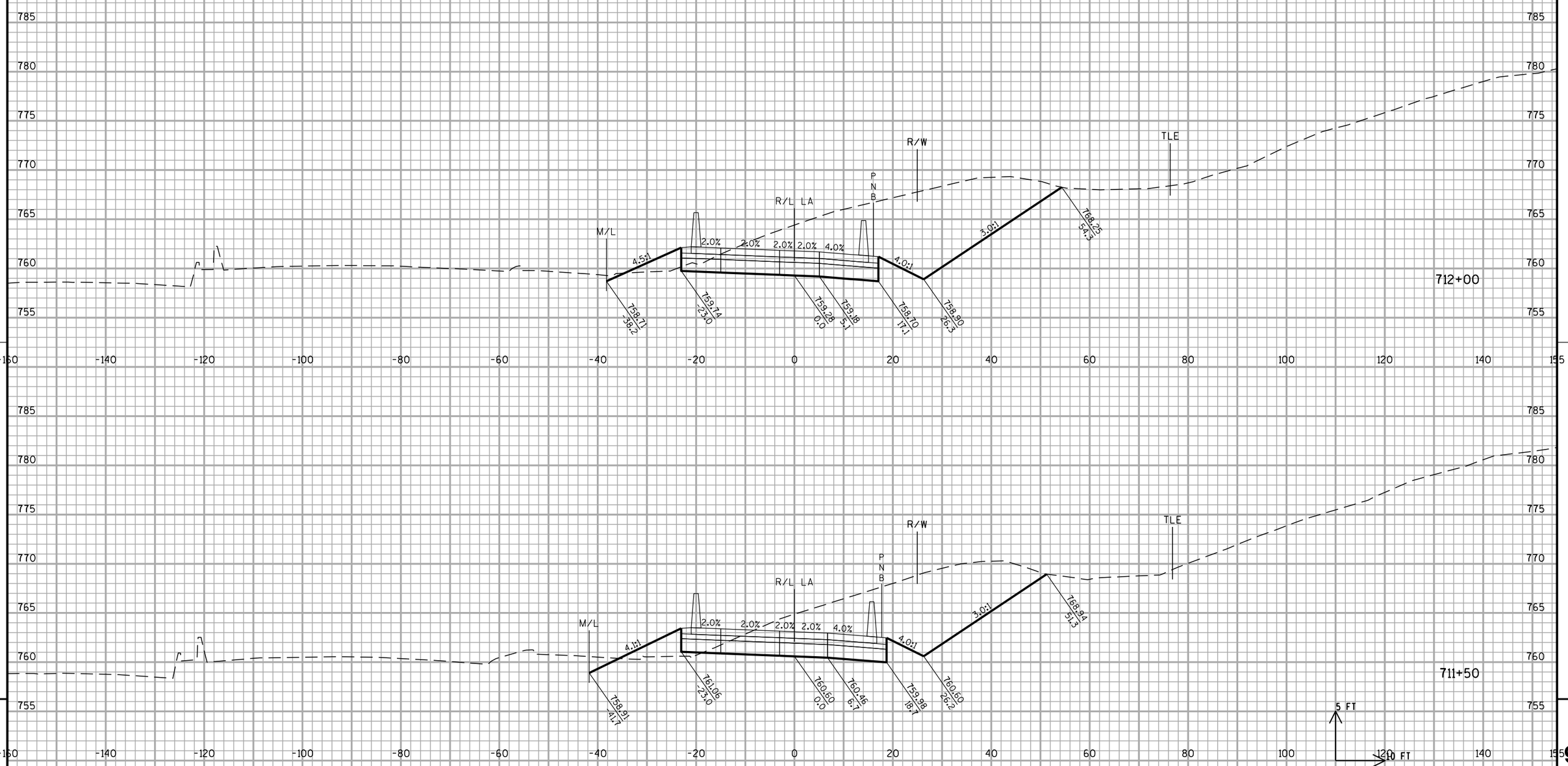


STA 710+50 TO 711+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la9 PLOT SCALE : 20:1

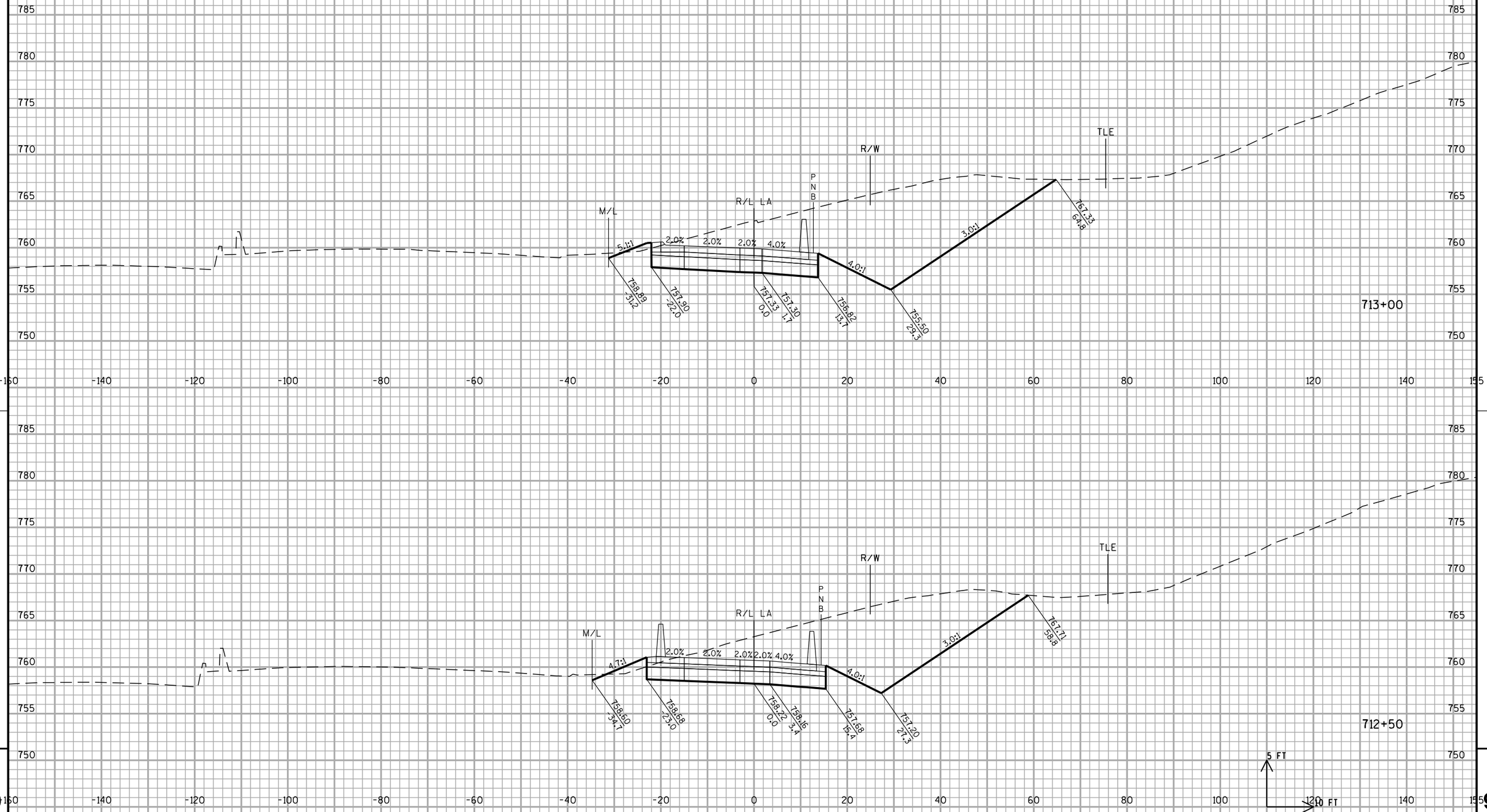
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_1a.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_1a10 PLOT SCALE : 20:1

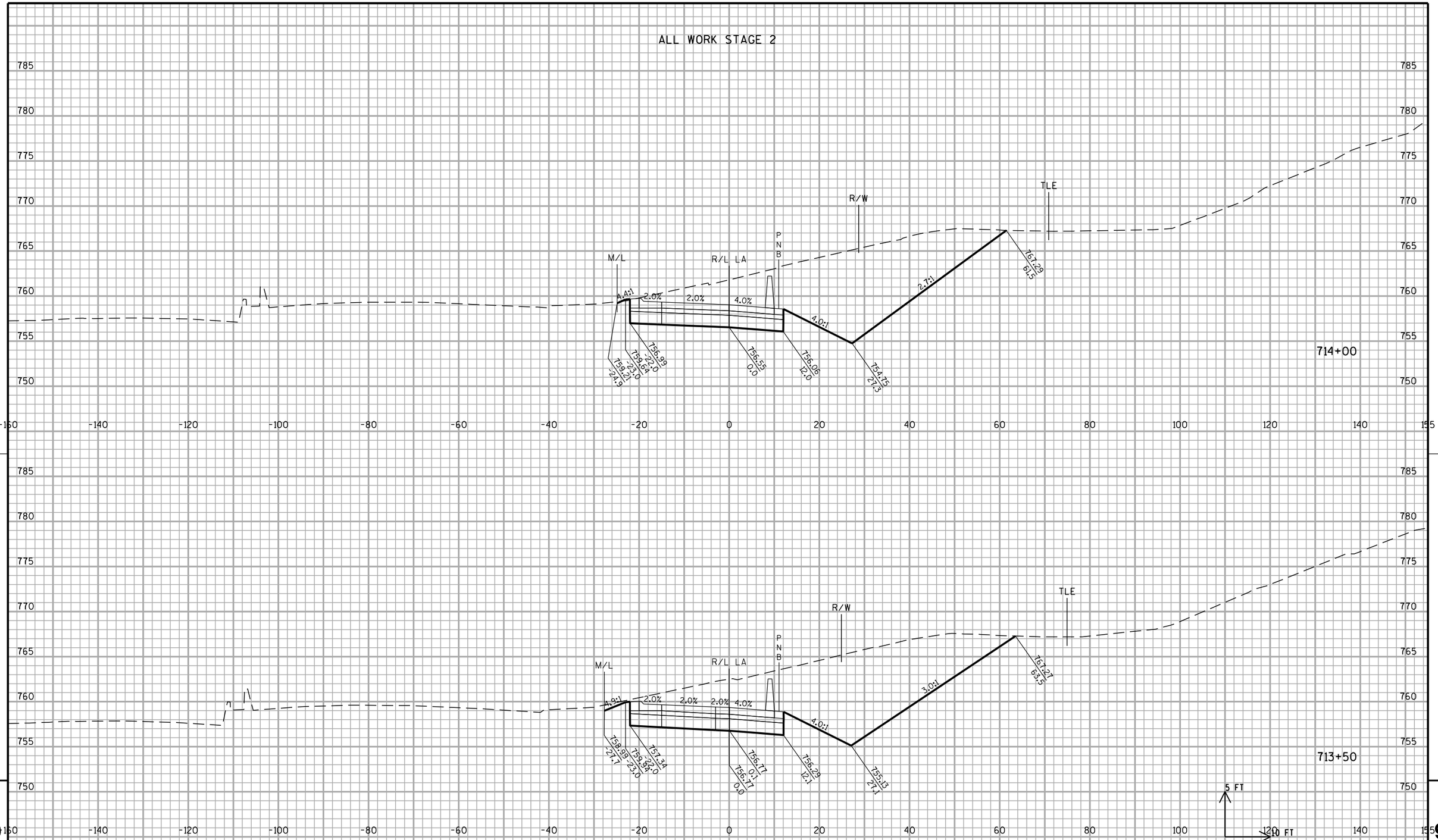
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_1a.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_1a11 PLOT SCALE : 20:1

ALL WORK STAGE 2



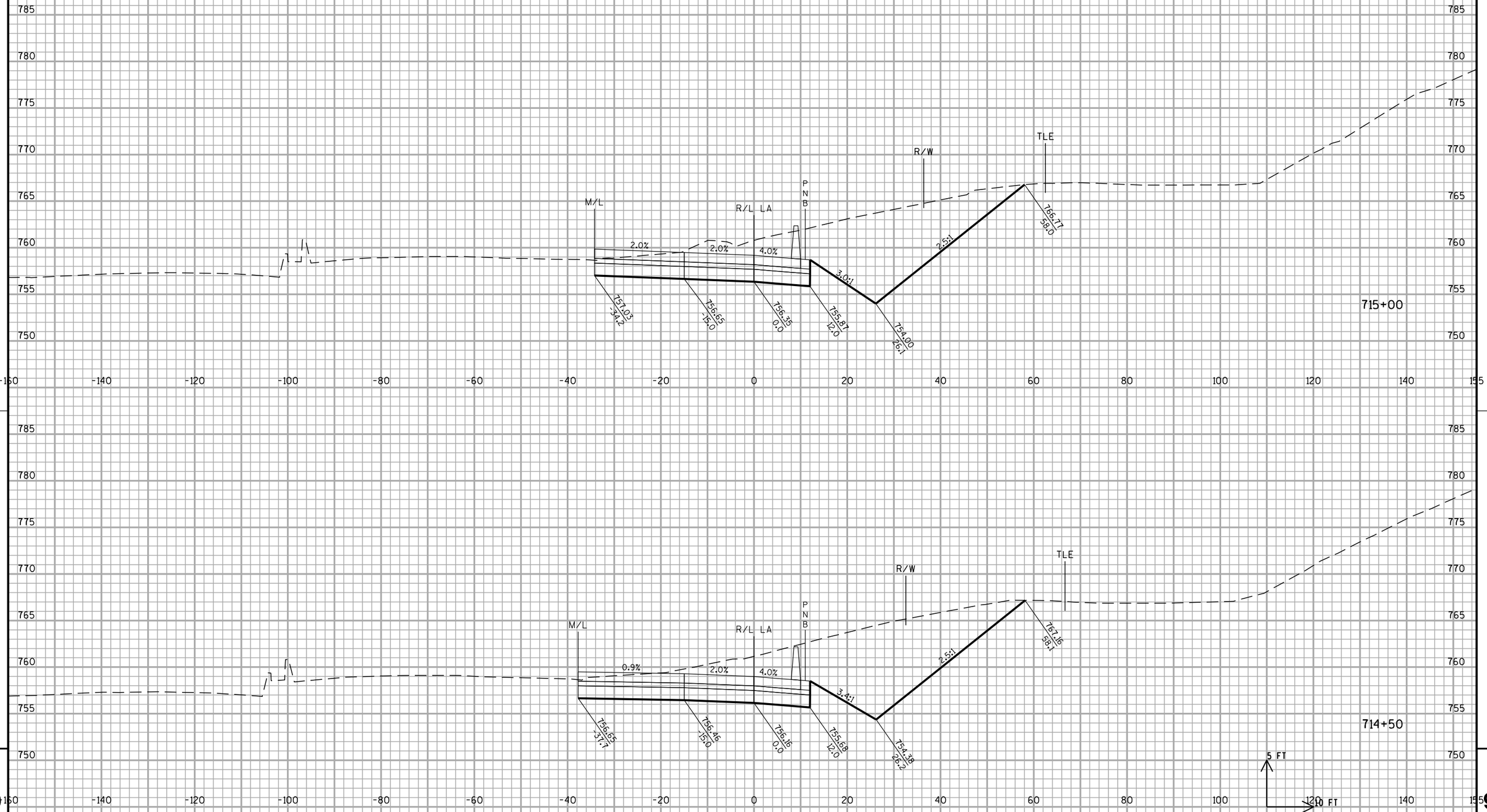
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_1a.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_1a12 PLOT SCALE : 20:1

9

ALL WORK STAGE 2

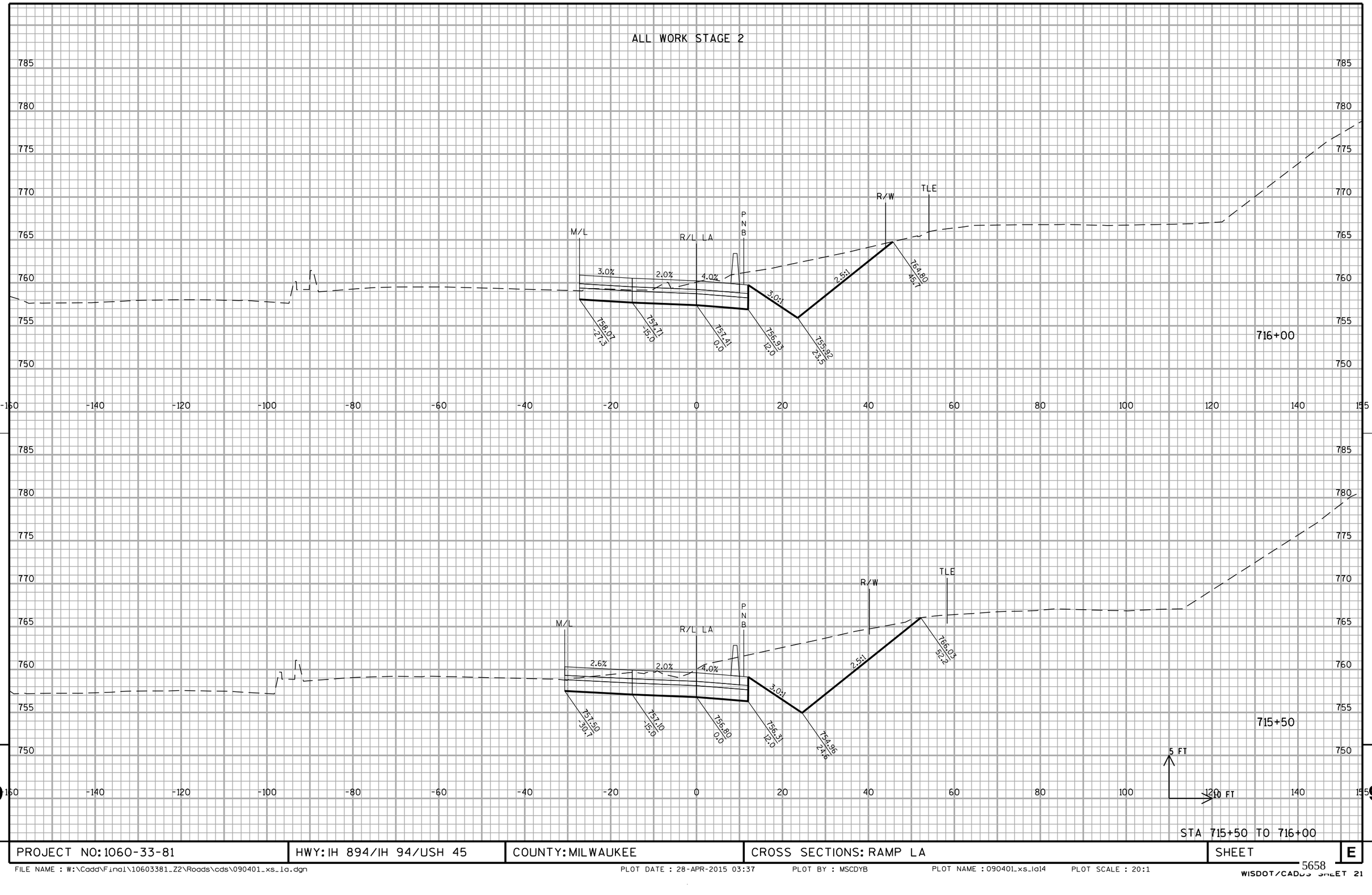


STA 714+50 TO 715+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:36 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la13 PLOT SCALE : 20:1

ALL WORK STAGE 2

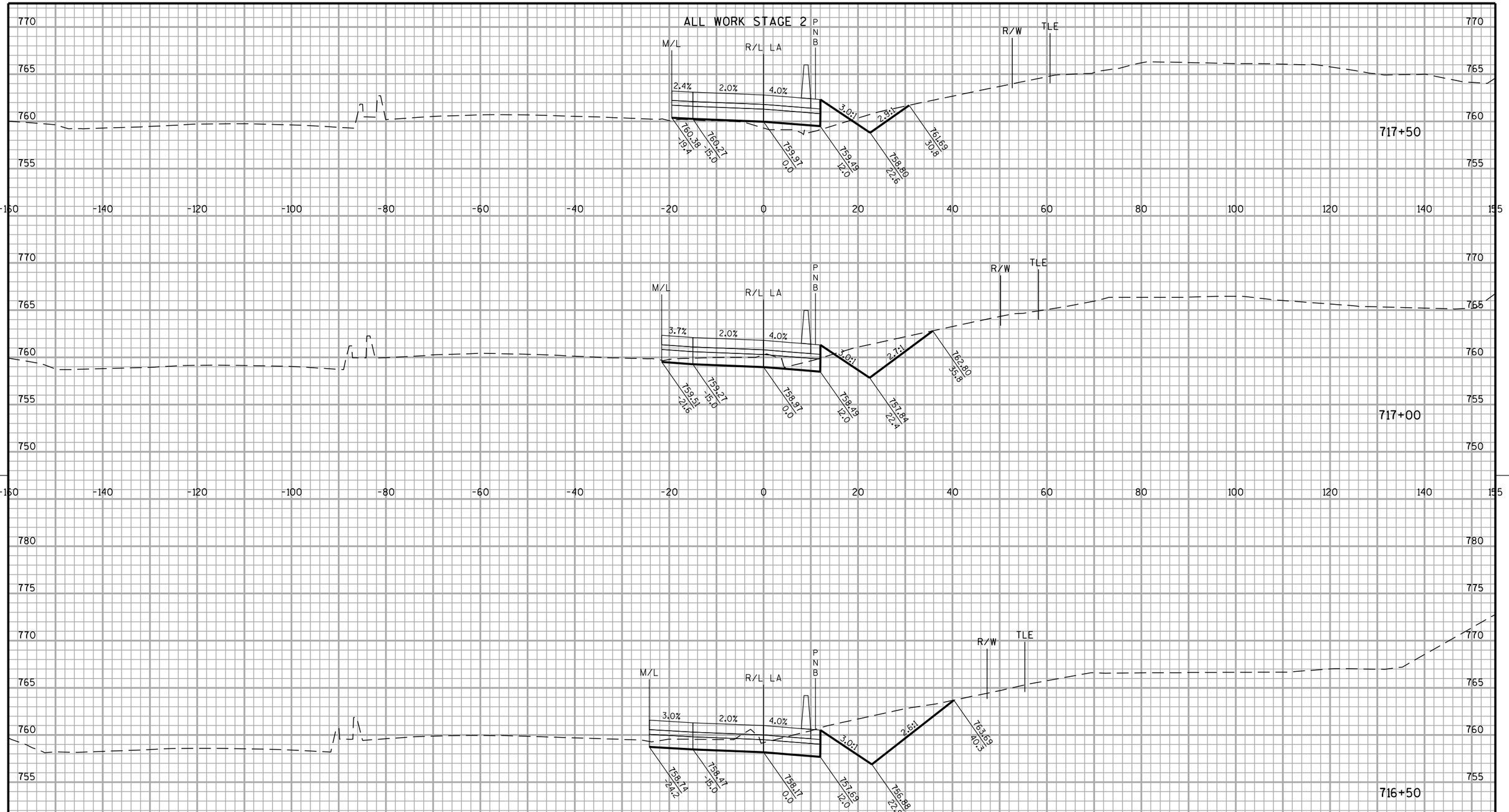


STA 715+50 TO 716+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la14 PLOT SCALE : 20:1

ALL WORK STAGE 2

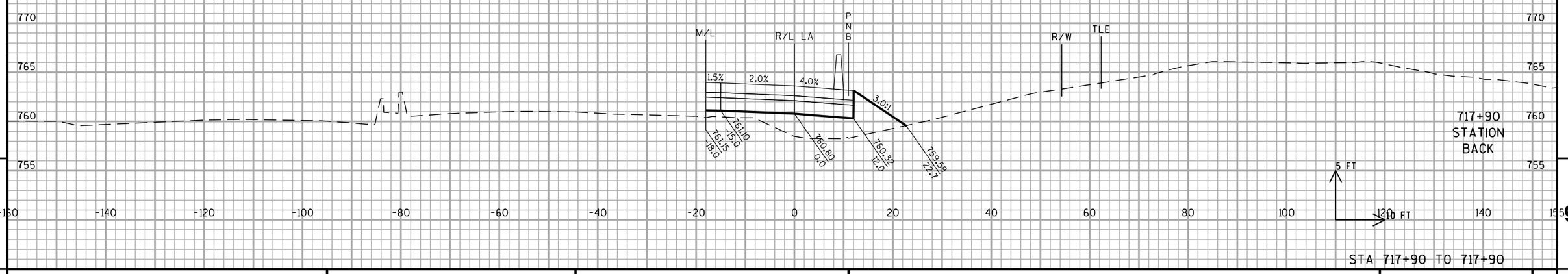


STA 716+50 TO 717+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la15 PLOT SCALE : 20:1

ALL WORK STAGE 2

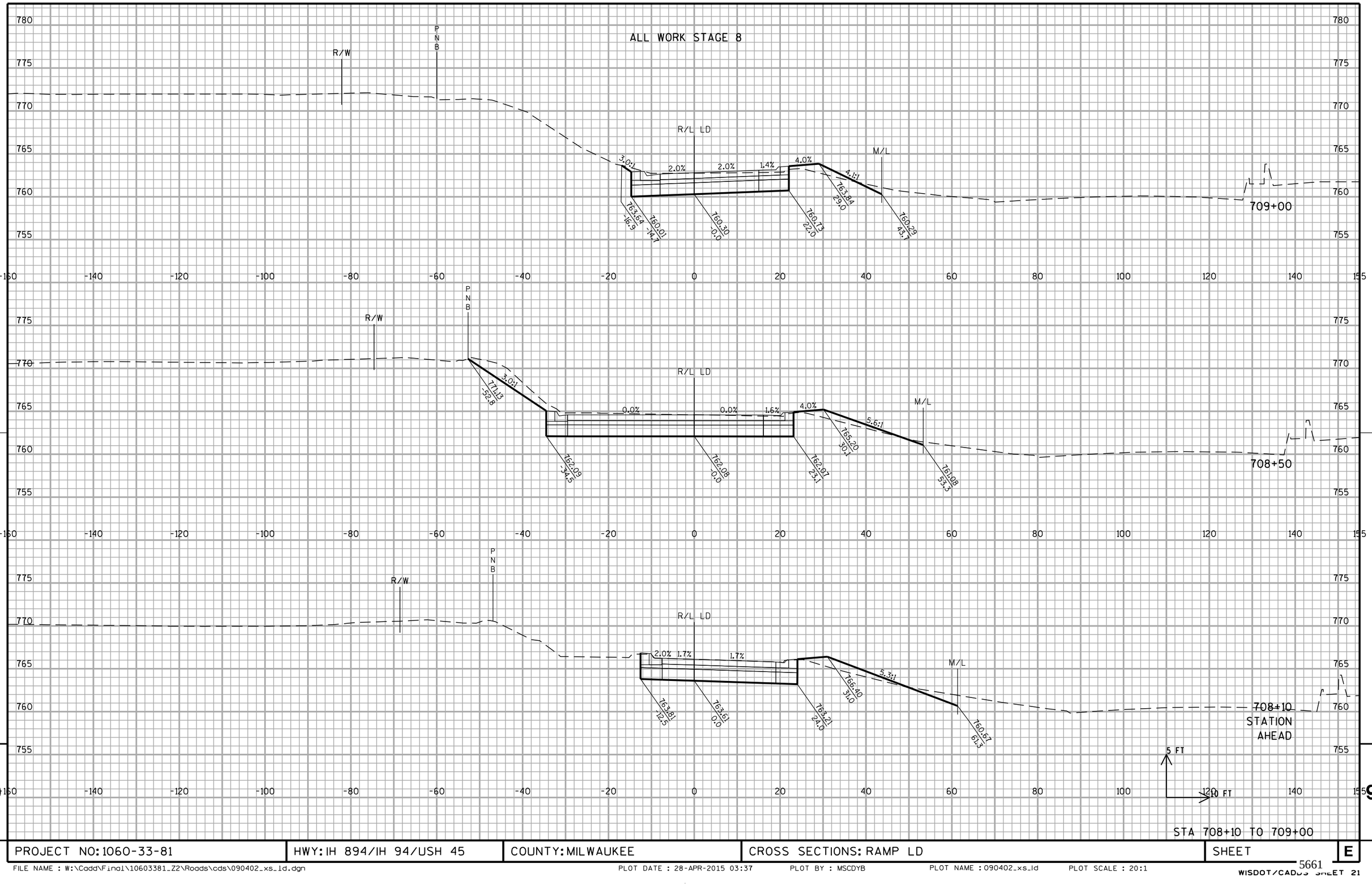


STA 717+90 TO 717+90

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090401_xs_la.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090401_xs_la16 PLOT SCALE : 20:1

ALL WORK STAGE 8

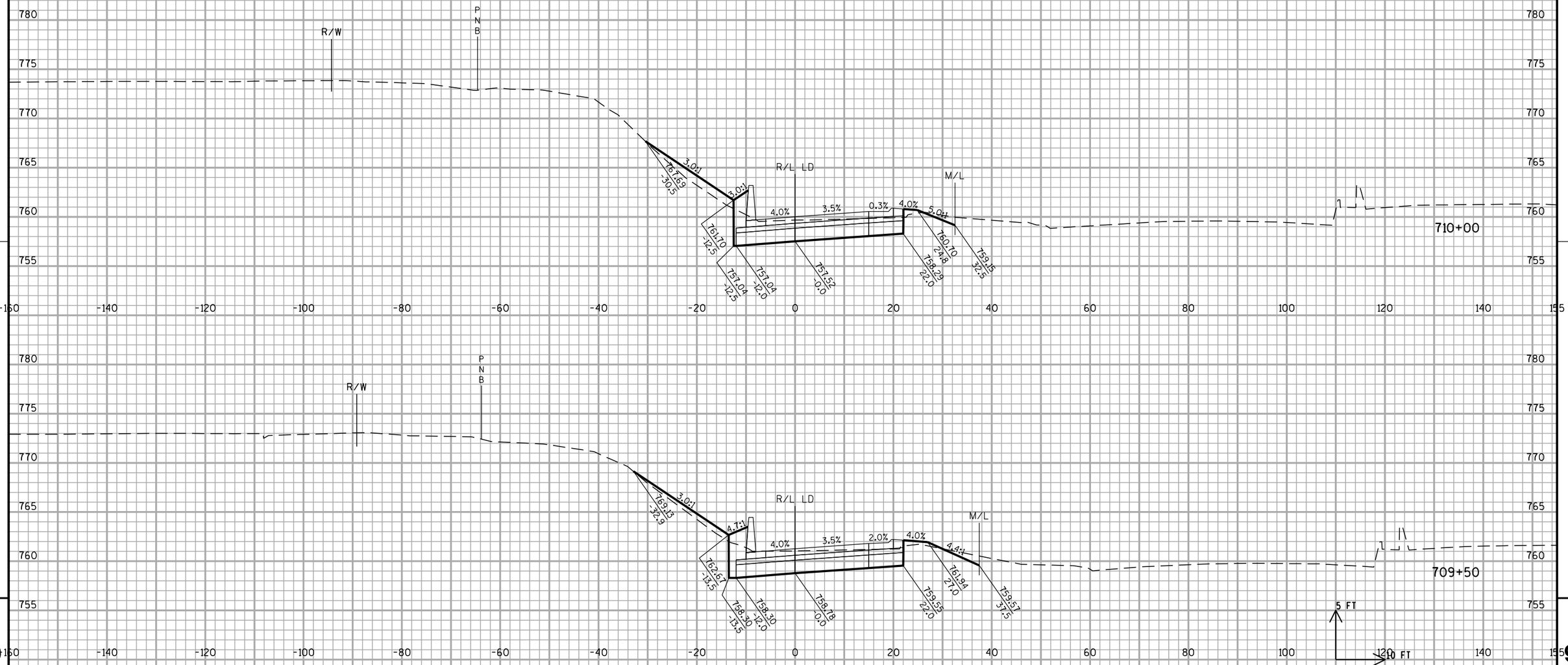


STA 708+10 TO 709+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090402_xs_ld.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090402_xs_ld PLOT SCALE : 20:1

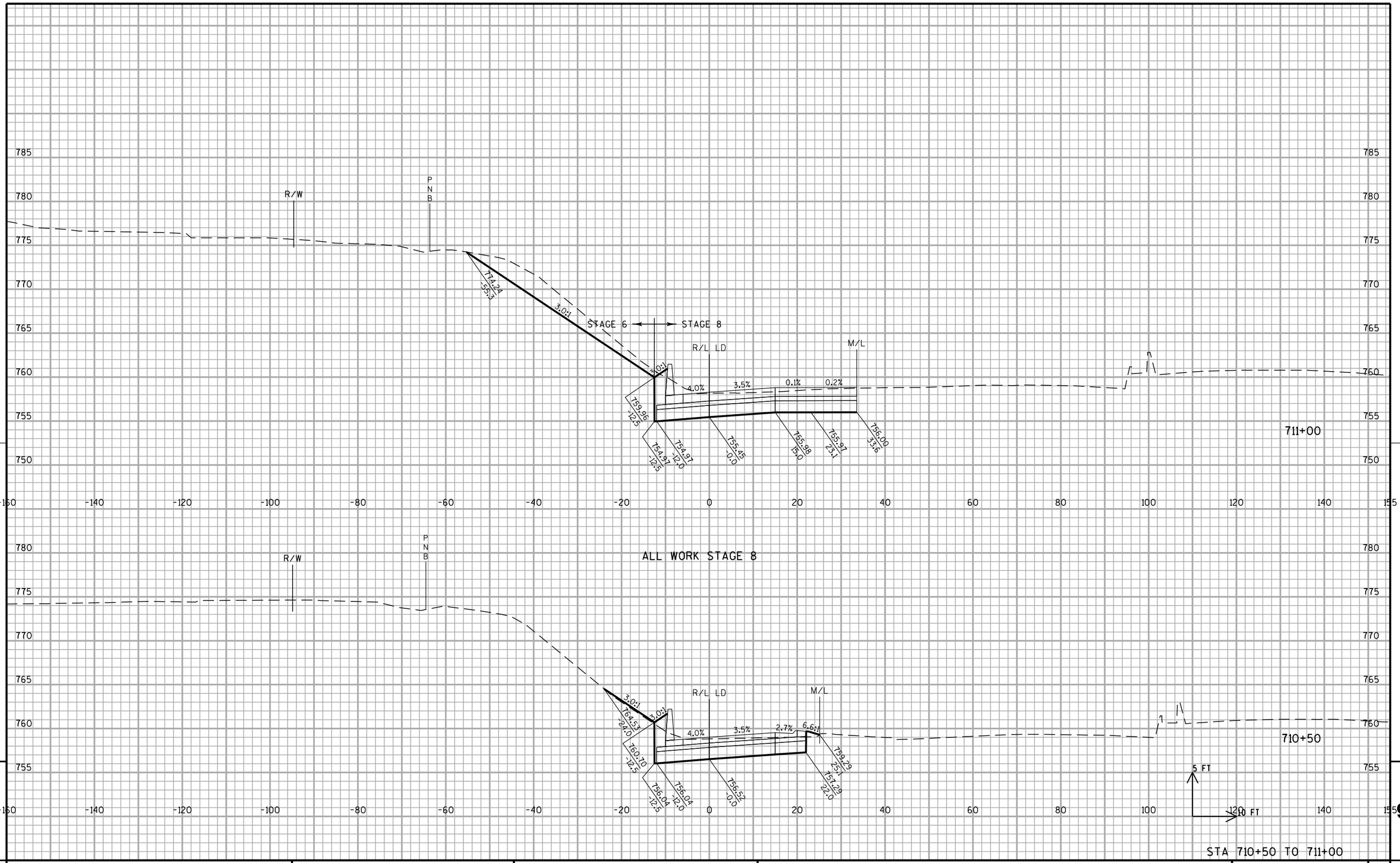
ALL WORK STAGE 8



STA 709+50 TO 710+00

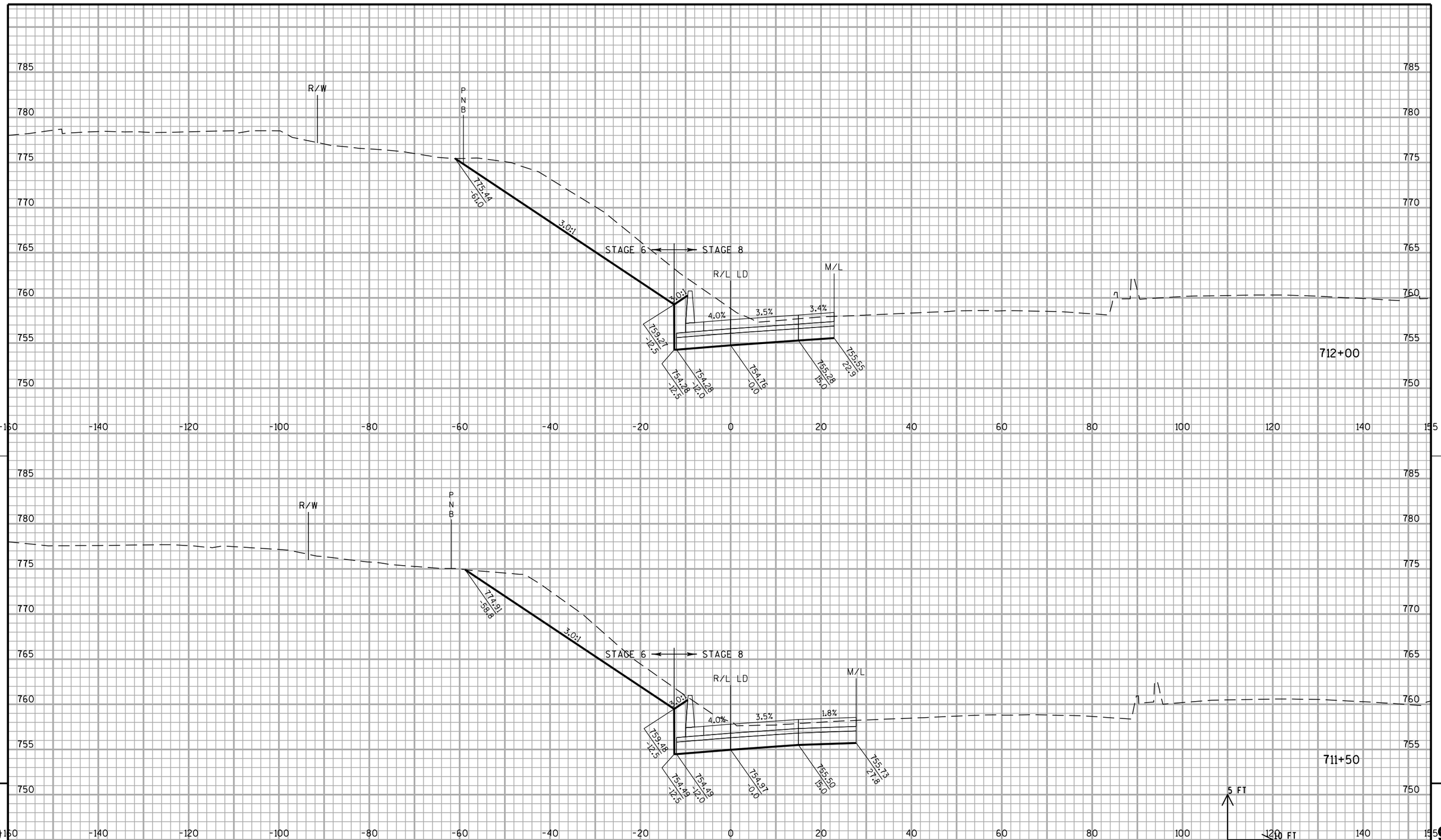
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090402_xs_ld.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090402_xs_ld1 PLOT SCALE : 20:1



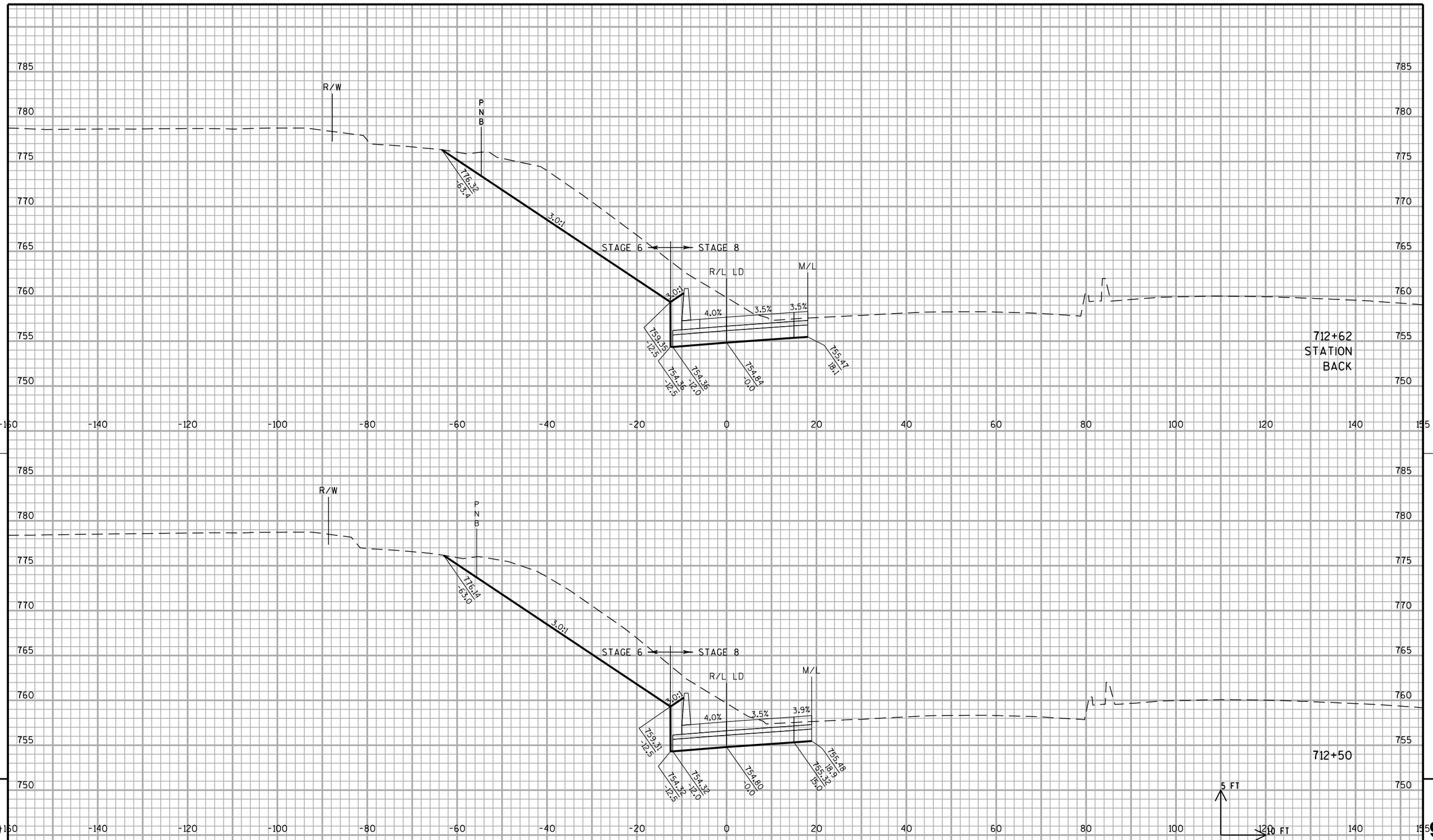
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090402_xs_ld.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090402_xs_ld2 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LD	SHEET E

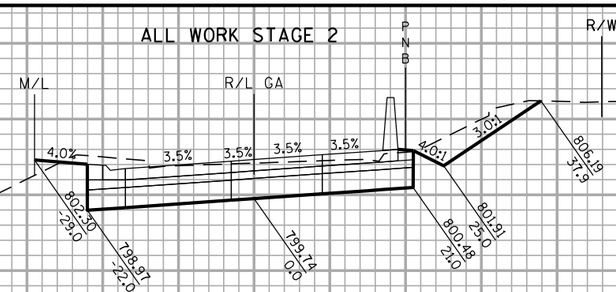
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090402_xs_ld.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090402_xs_ld3 PLOT SCALE : 20:1



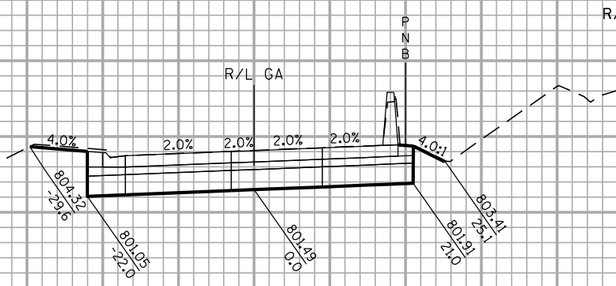
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP LD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090402_xs_ld.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090402_xs_ld4 PLOT SCALE : 20:1

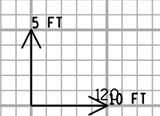
ALL WORK STAGE 2



756+00



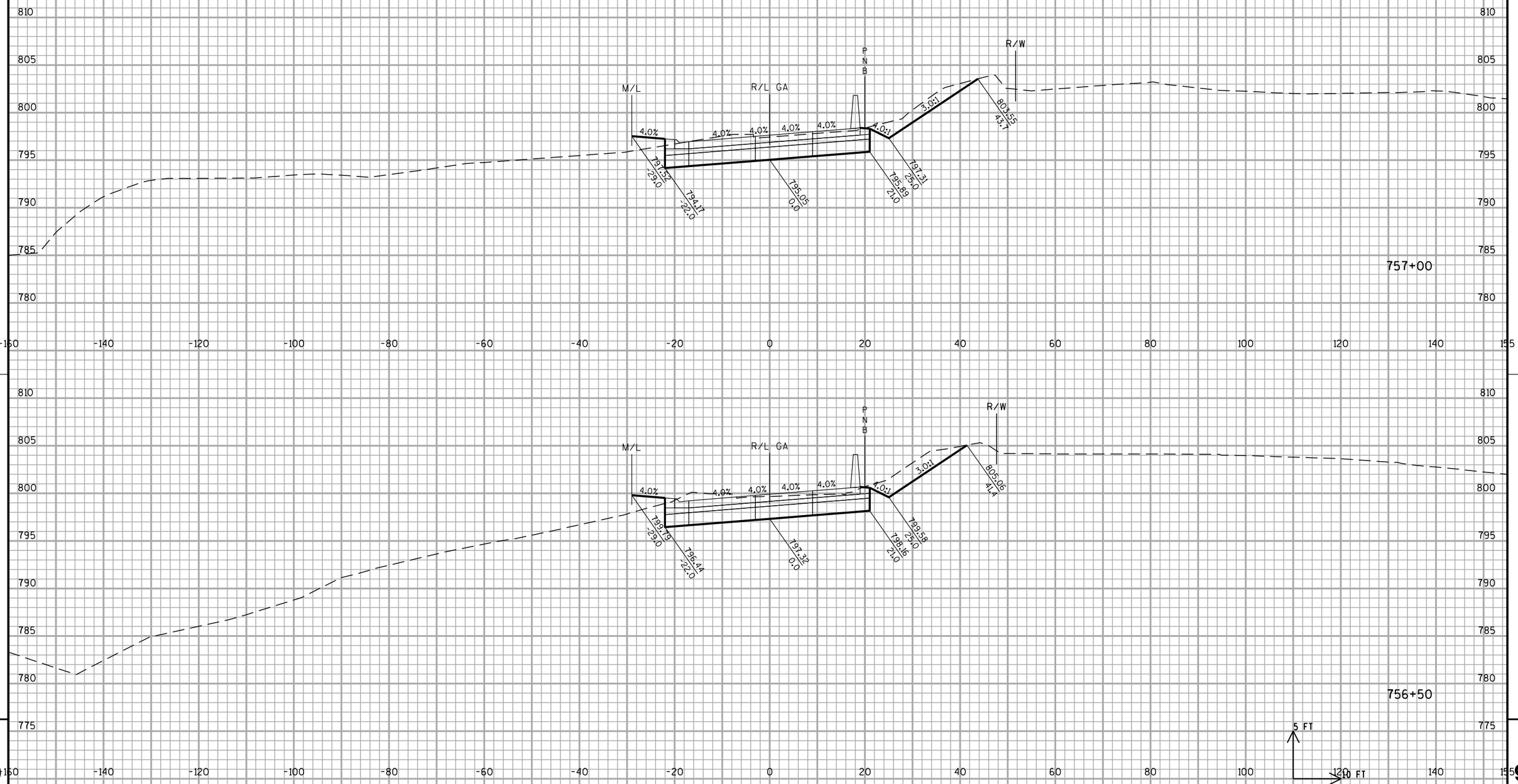
755+64
STATION
AHEAD



STA 755+64 TO 756+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

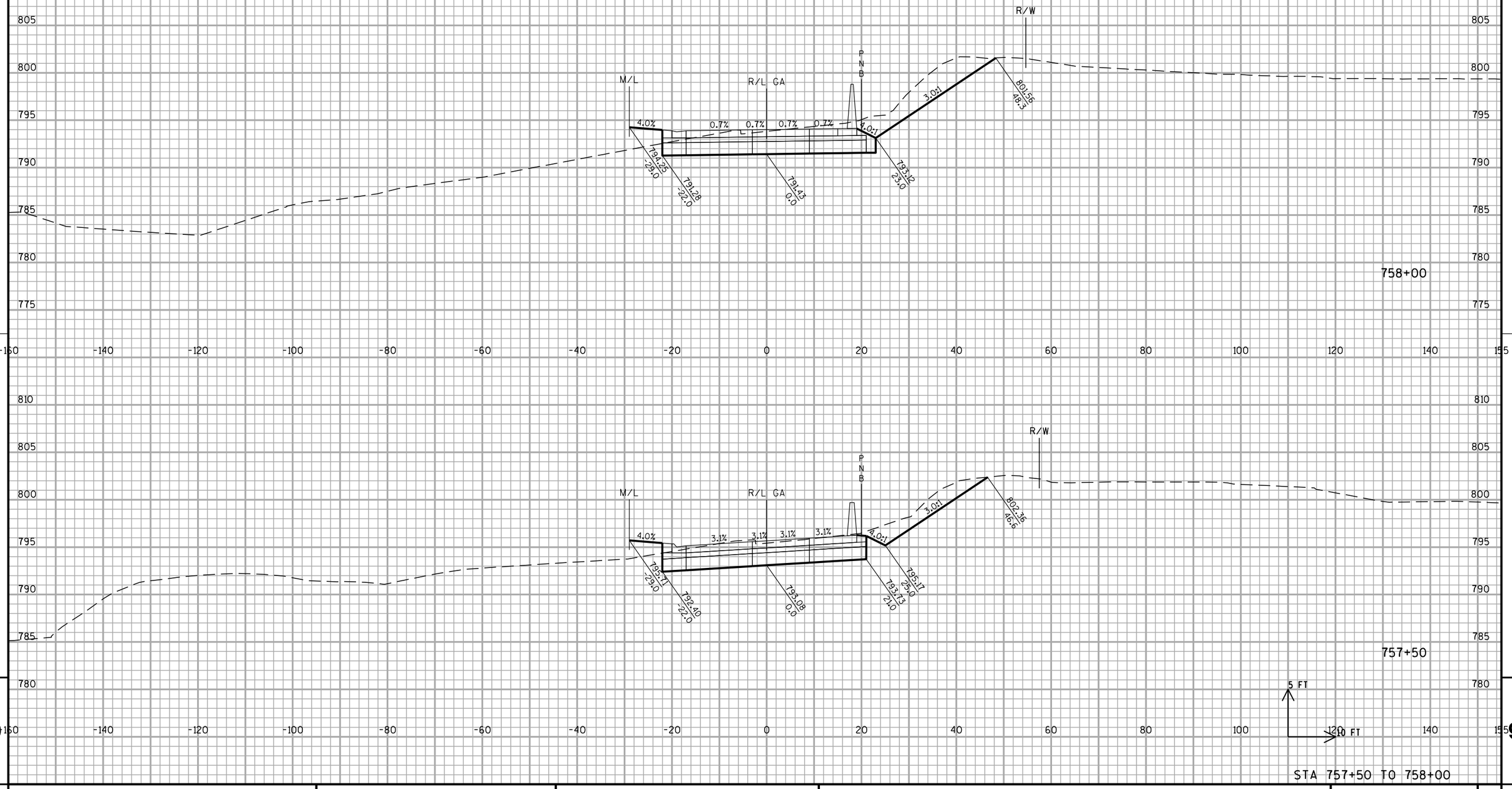
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga1 PLOT SCALE : 20:1

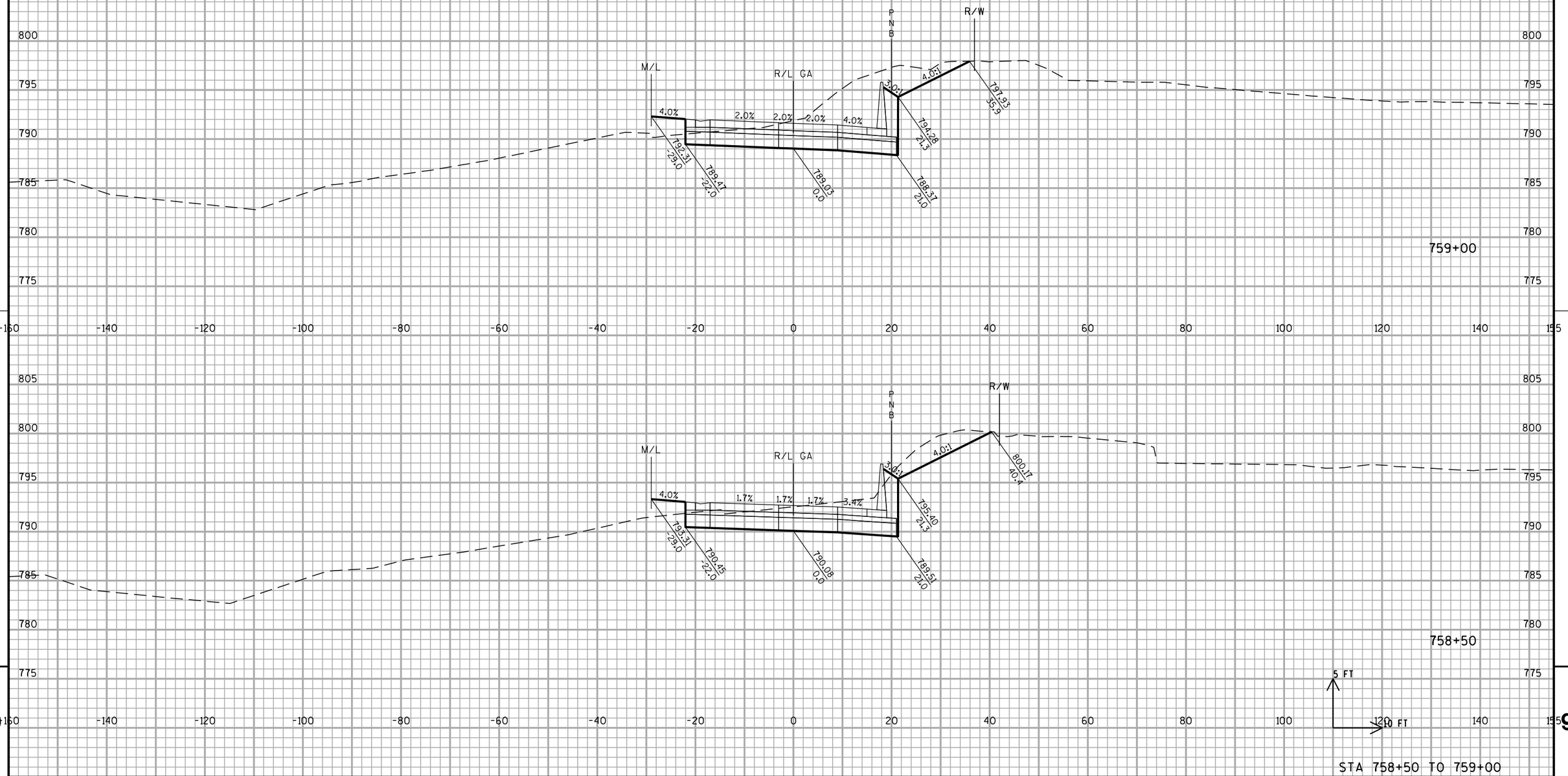
ALL WORK STAGE 2



STA 757+50 TO 758+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

ALL WORK STAGE 2

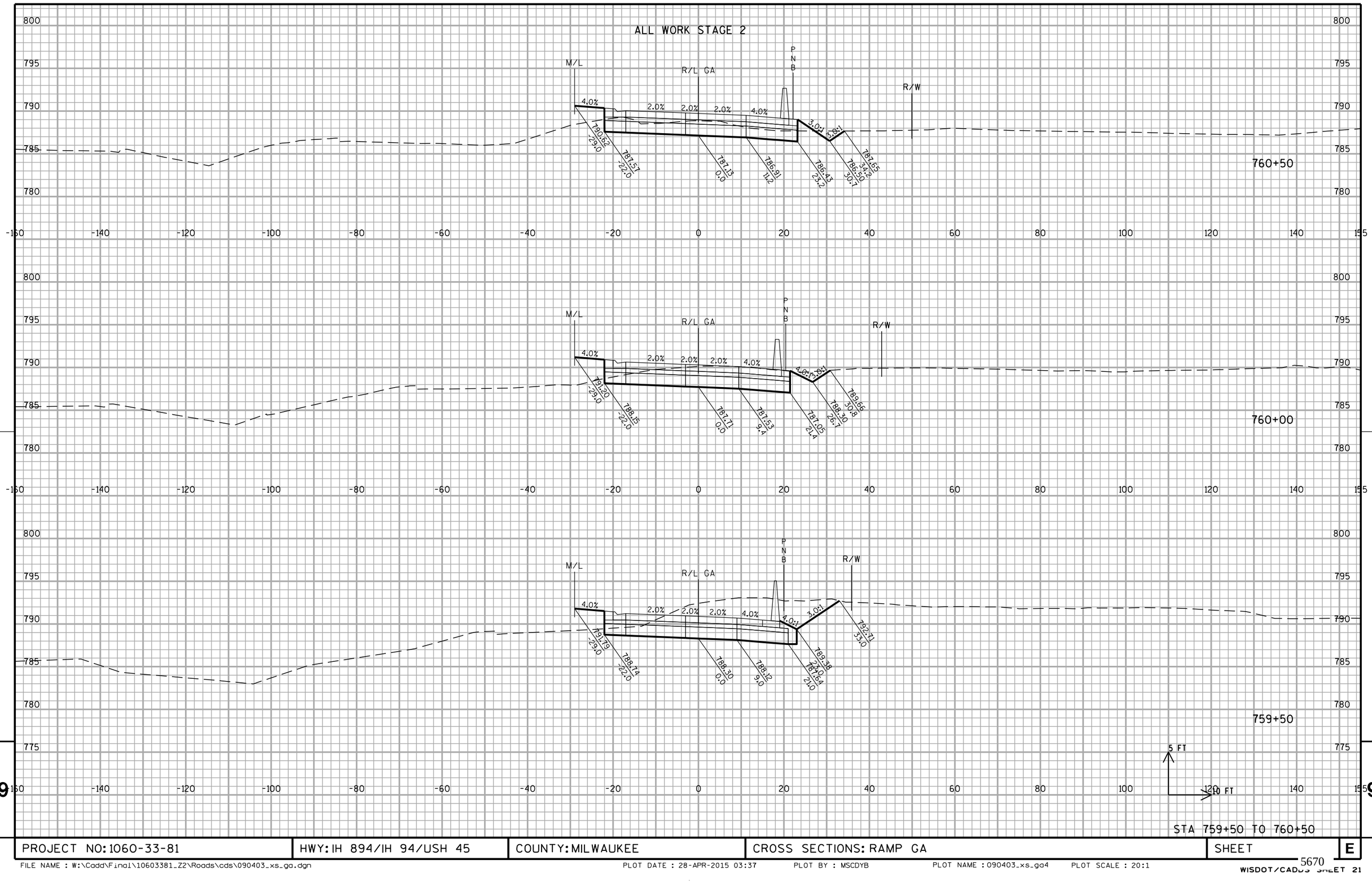


STA 758+50 TO 759+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga3 PLOT SCALE : 20:1

ALL WORK STAGE 2

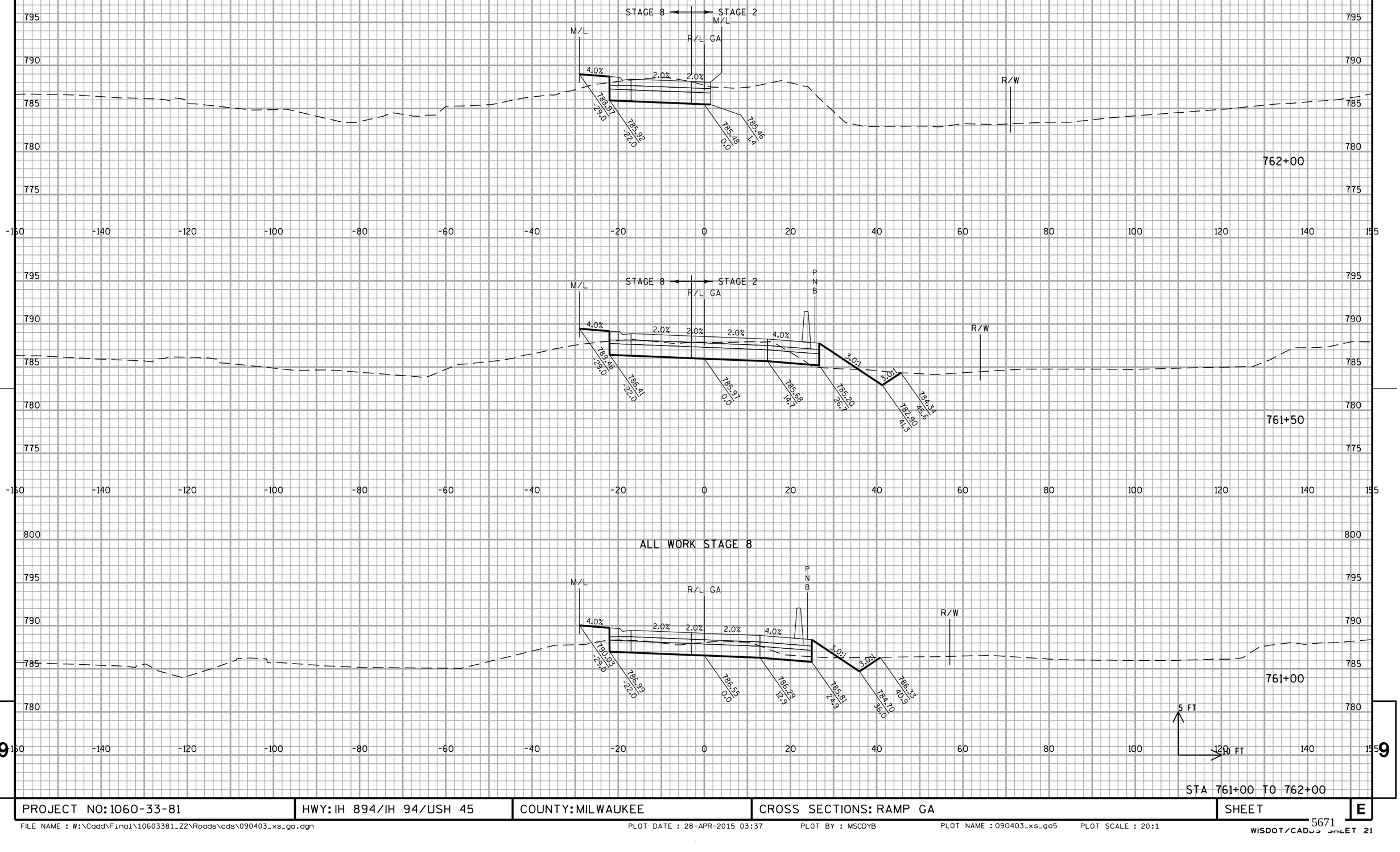


STA 759+50 TO 760+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga4 PLOT SCALE : 20:1

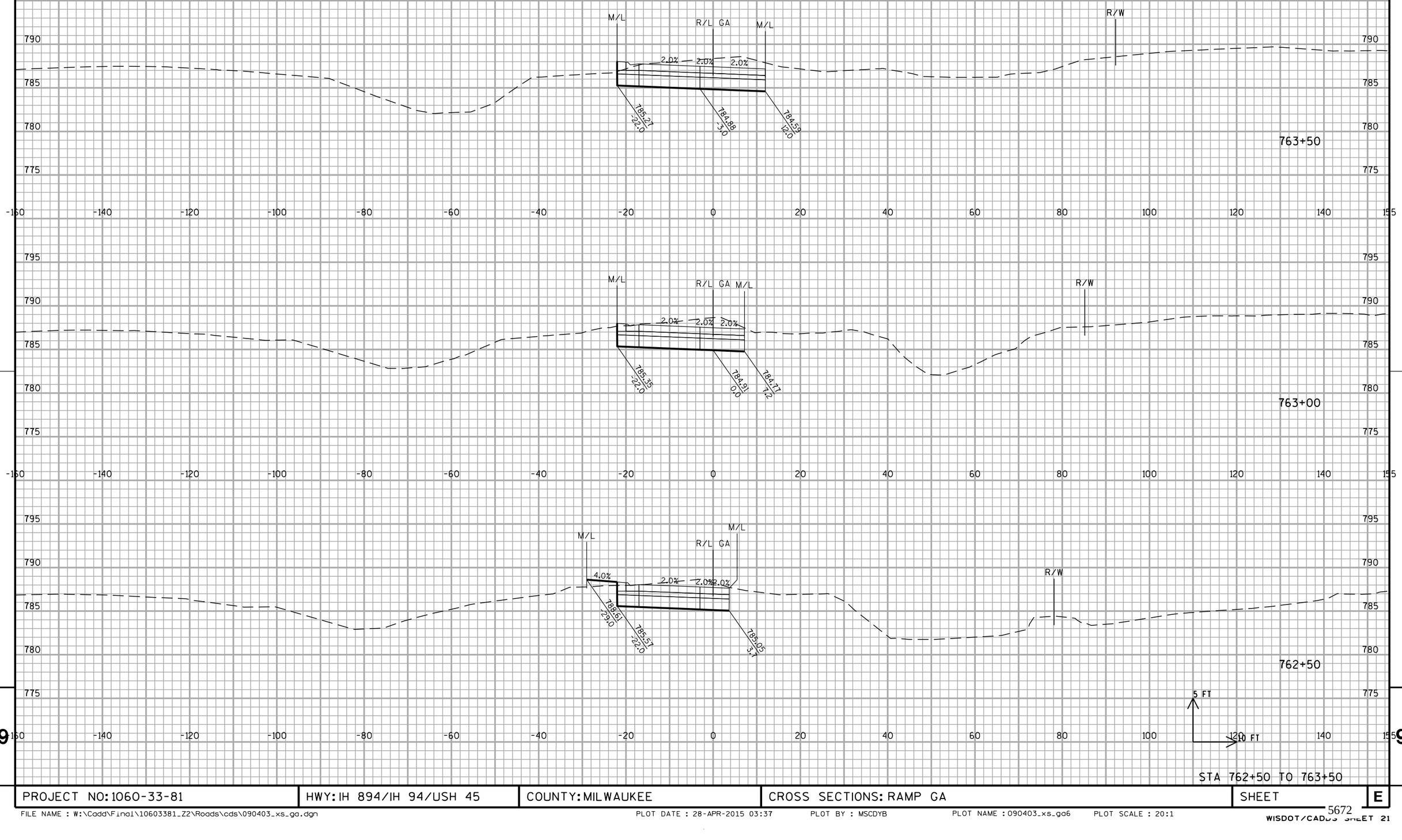
WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

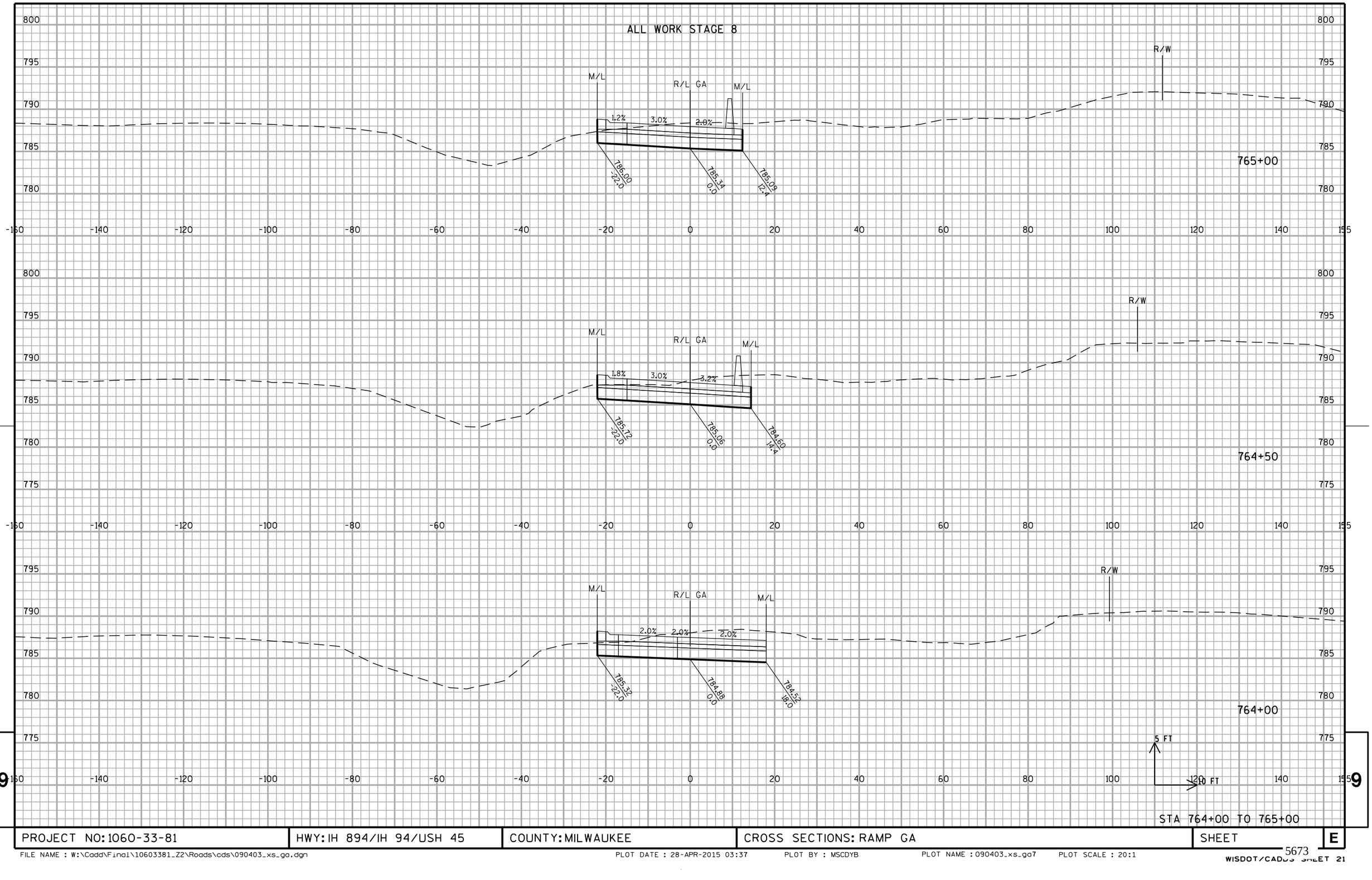
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ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

ALL WORK STAGE 8



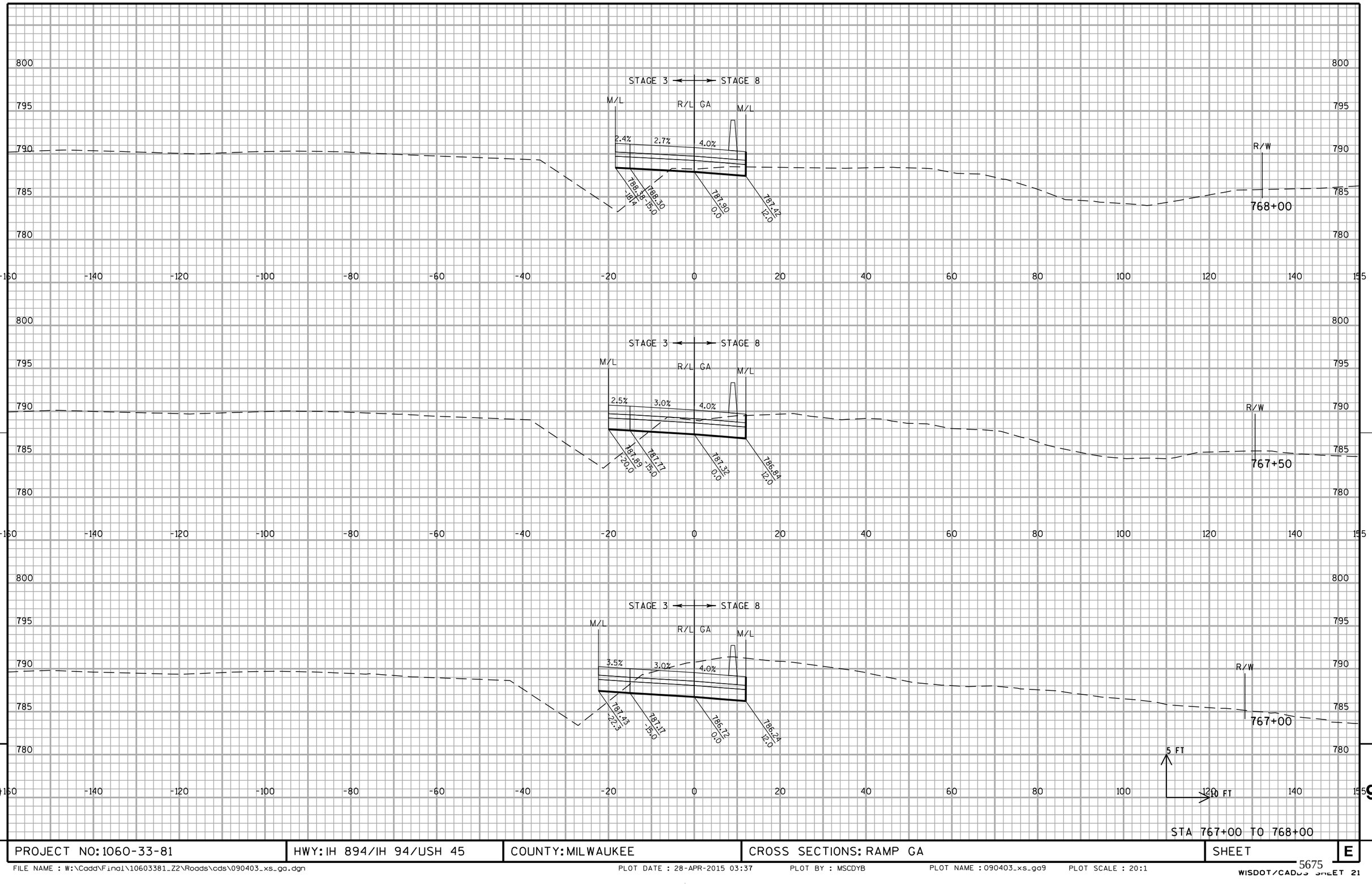
STA 764+00 TO 765+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga7 PLOT SCALE : 20:1

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga8 PLOT SCALE : 20:1



9

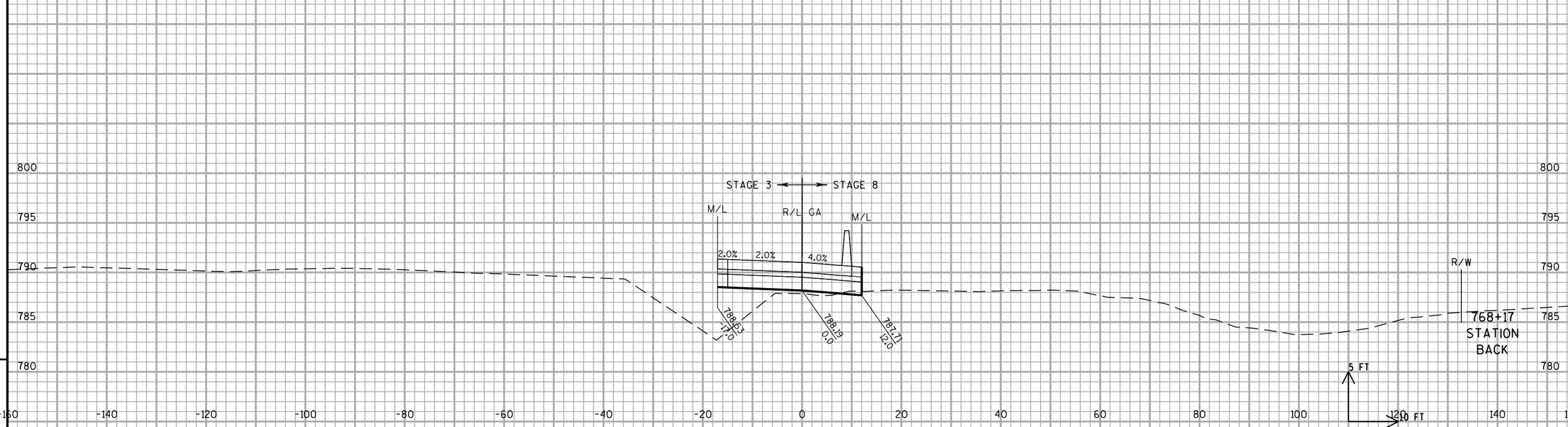
9

STA 767+00 TO 768+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090403_xs_ga.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090403_xs_ga9 PLOT SCALE : 20:1

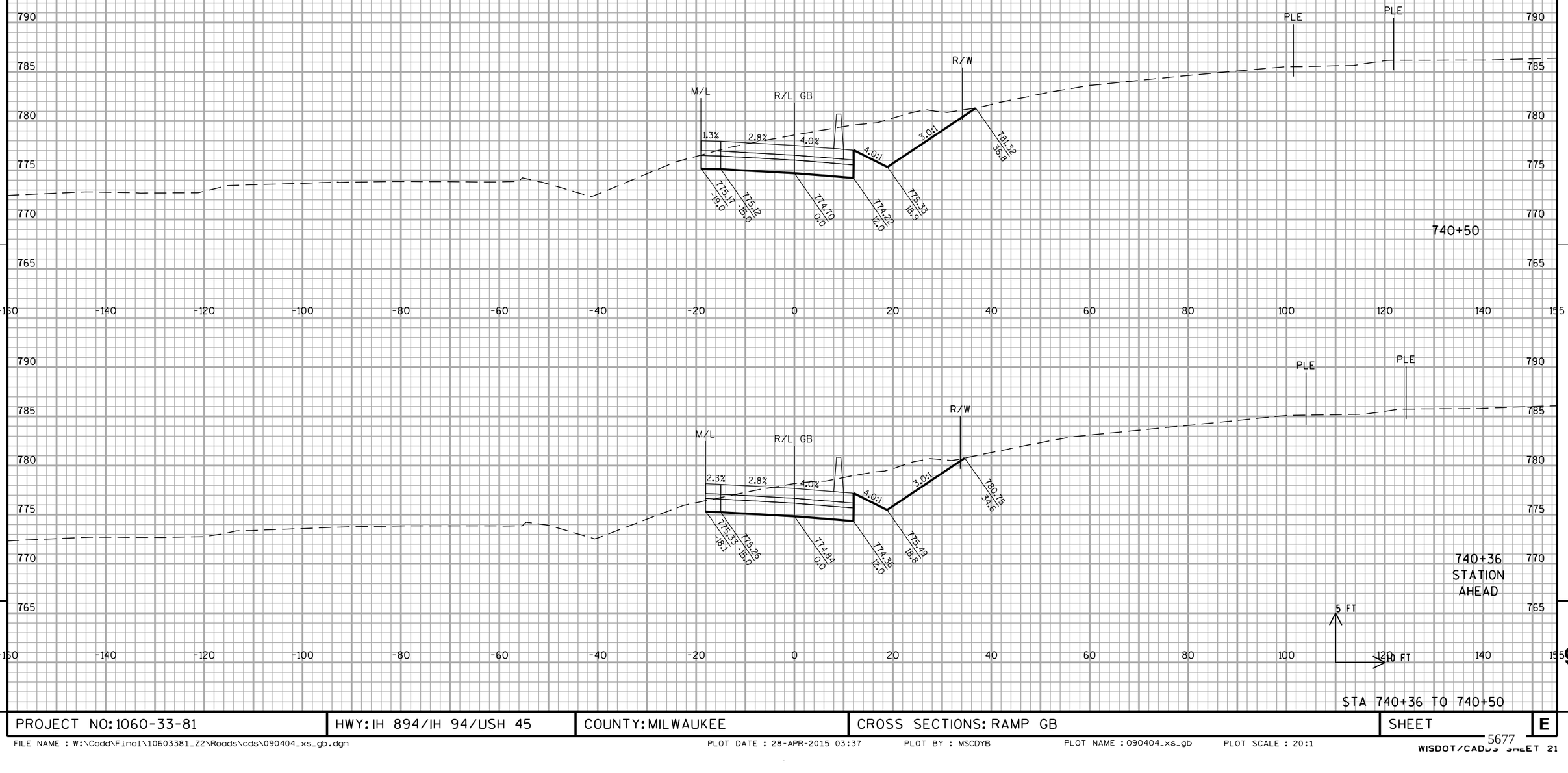
ALL WORK STAGE 3



STA 768+17 TO 768+17

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GA	SHEET	E

ALL WORK STAGE 2

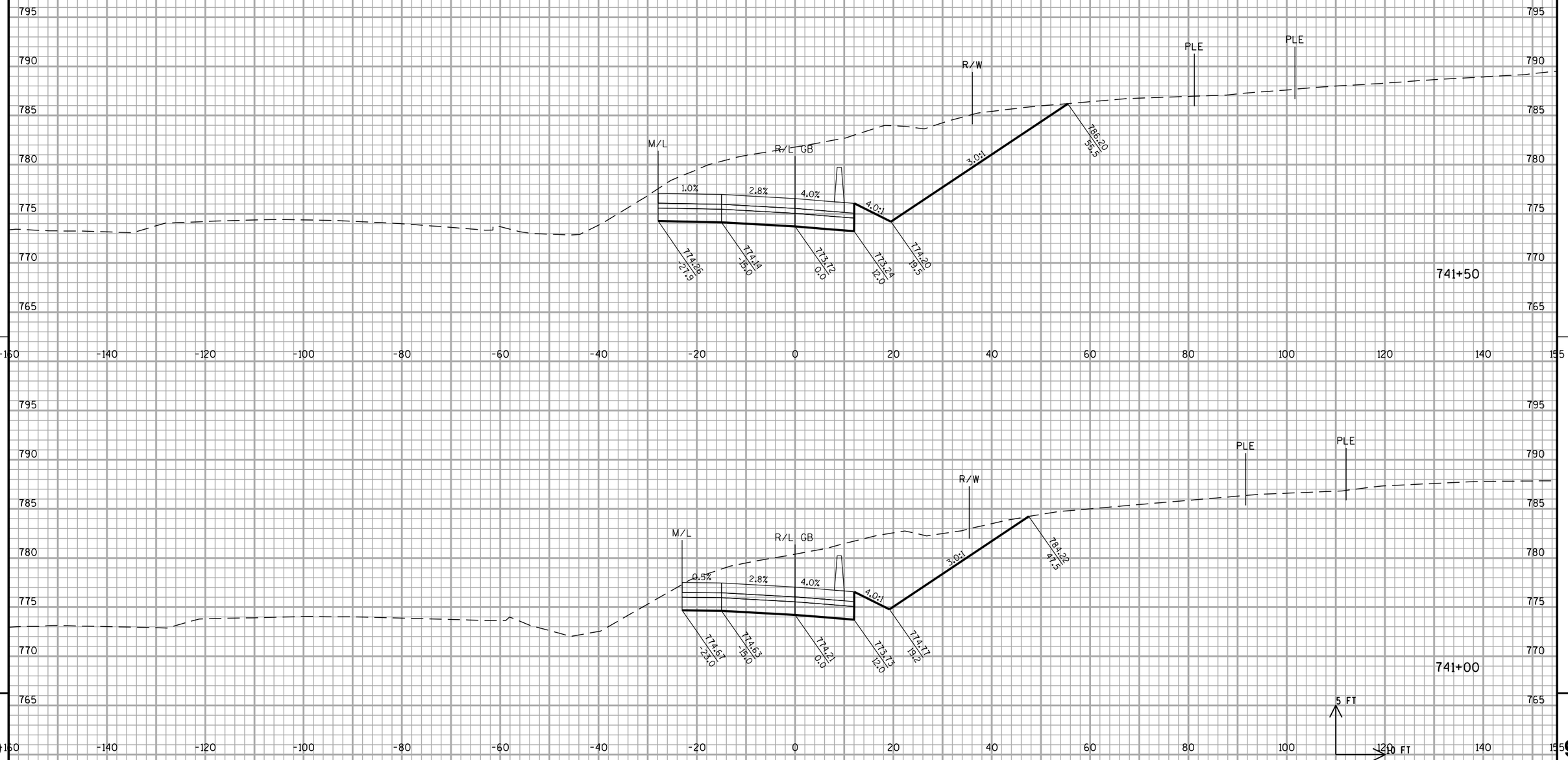


STA 740+36 TO 740+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb PLOT SCALE : 20:1

ALL WORK STAGE 2

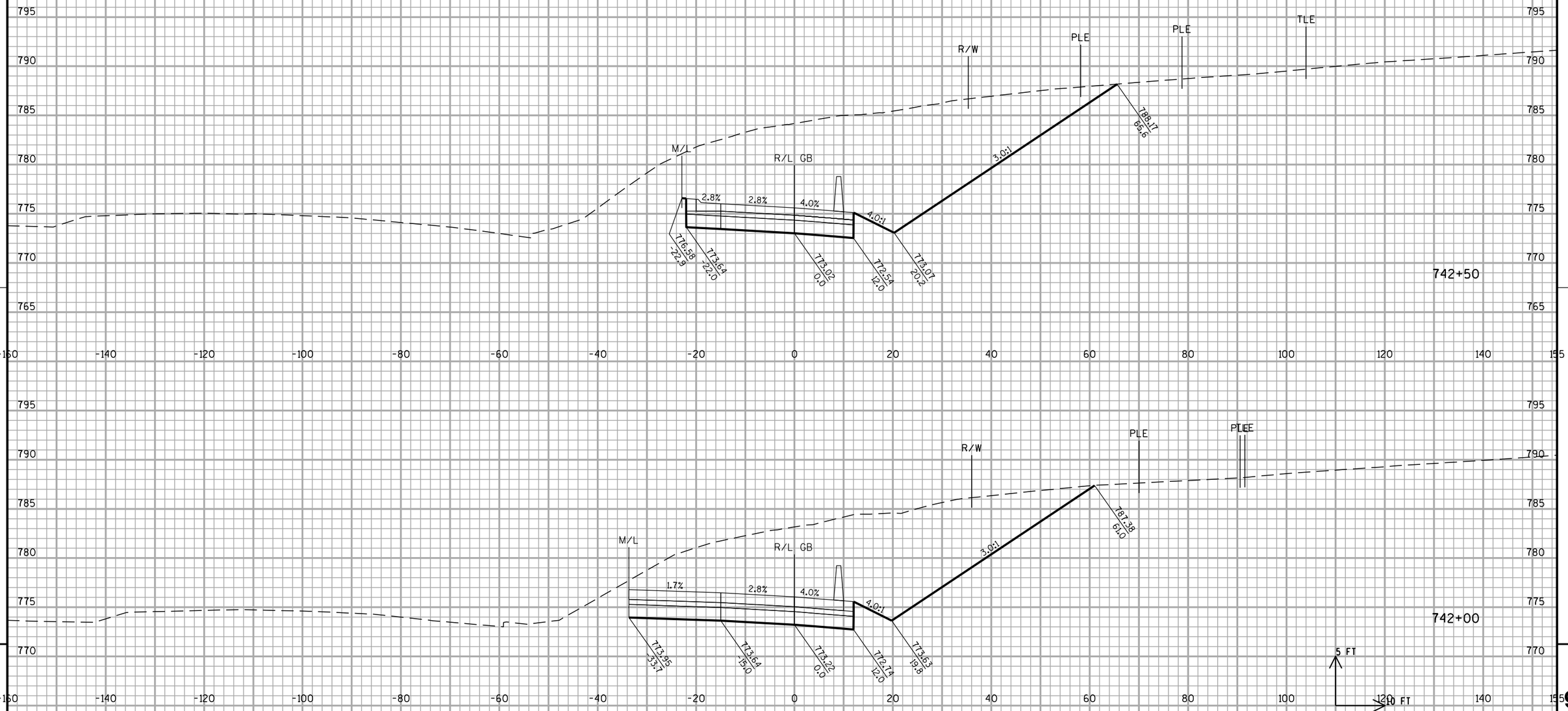


STA 741+00 TO 741+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb1 PLOT SCALE : 20:1

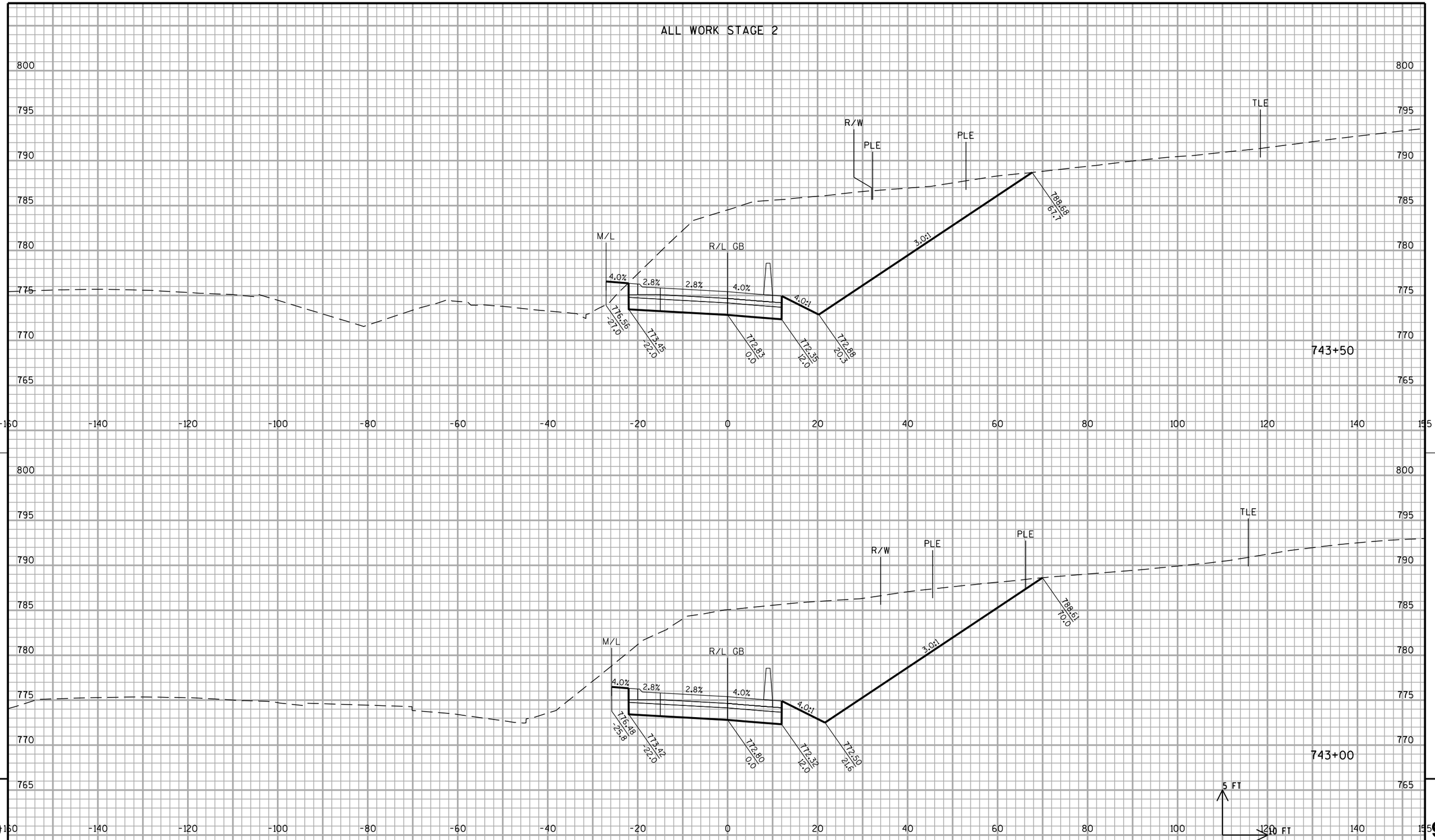
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb2 PLOT SCALE : 20:1

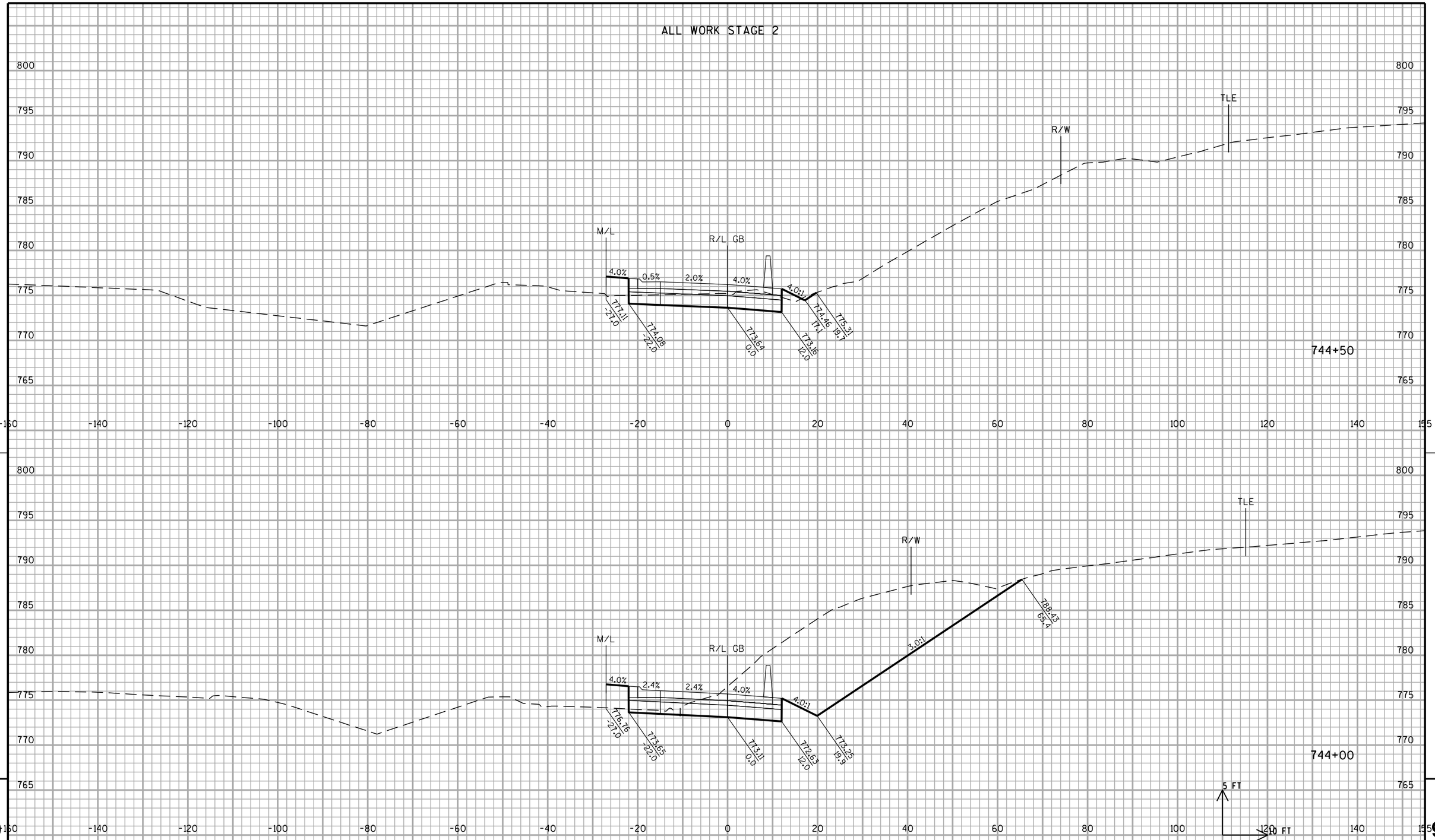
ALL WORK STAGE 2



STA 743+00 TO 743+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

ALL WORK STAGE 2

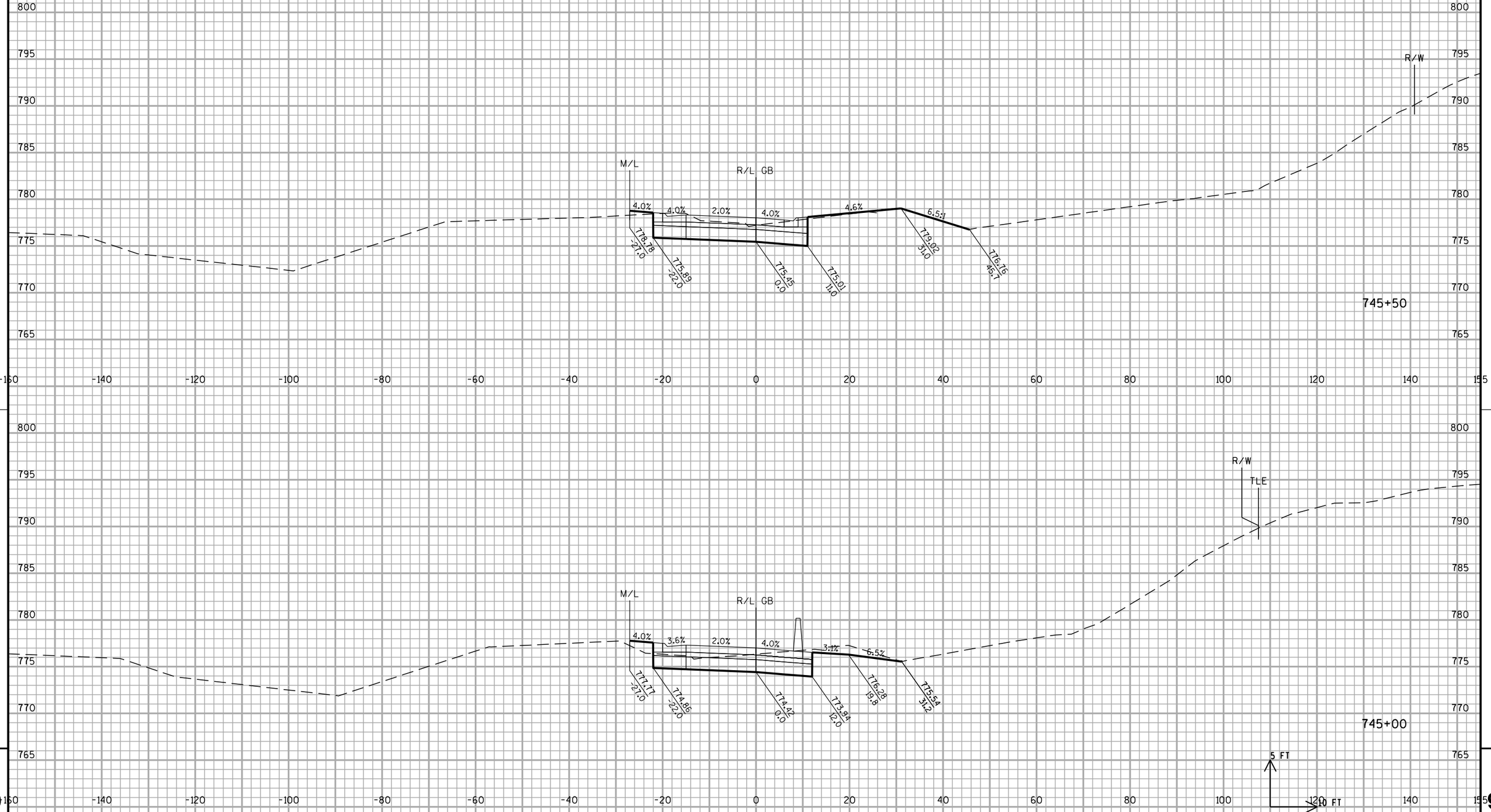


STA 744+00 TO 744+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

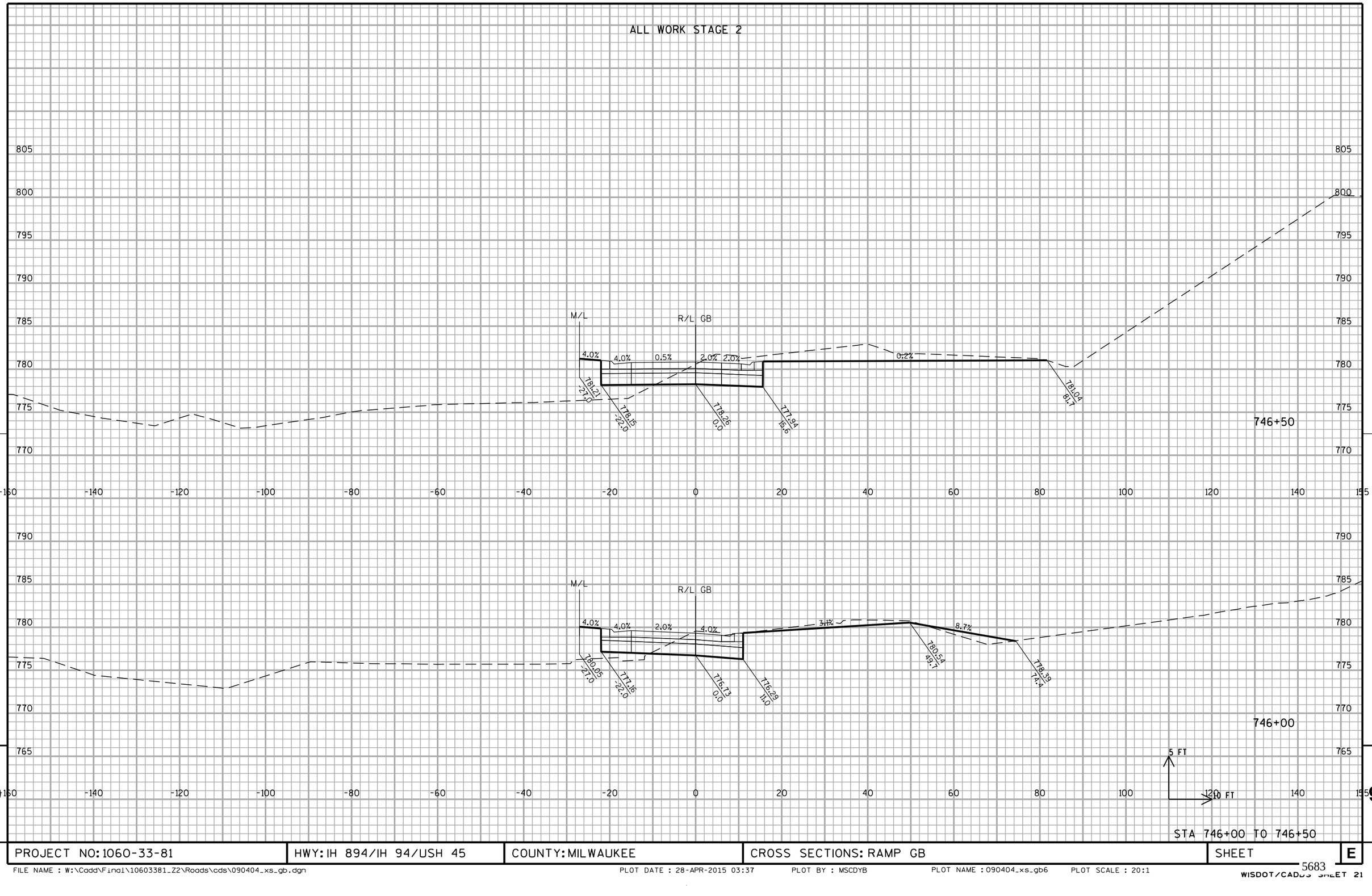
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb4 PLOT SCALE : 20:1

ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

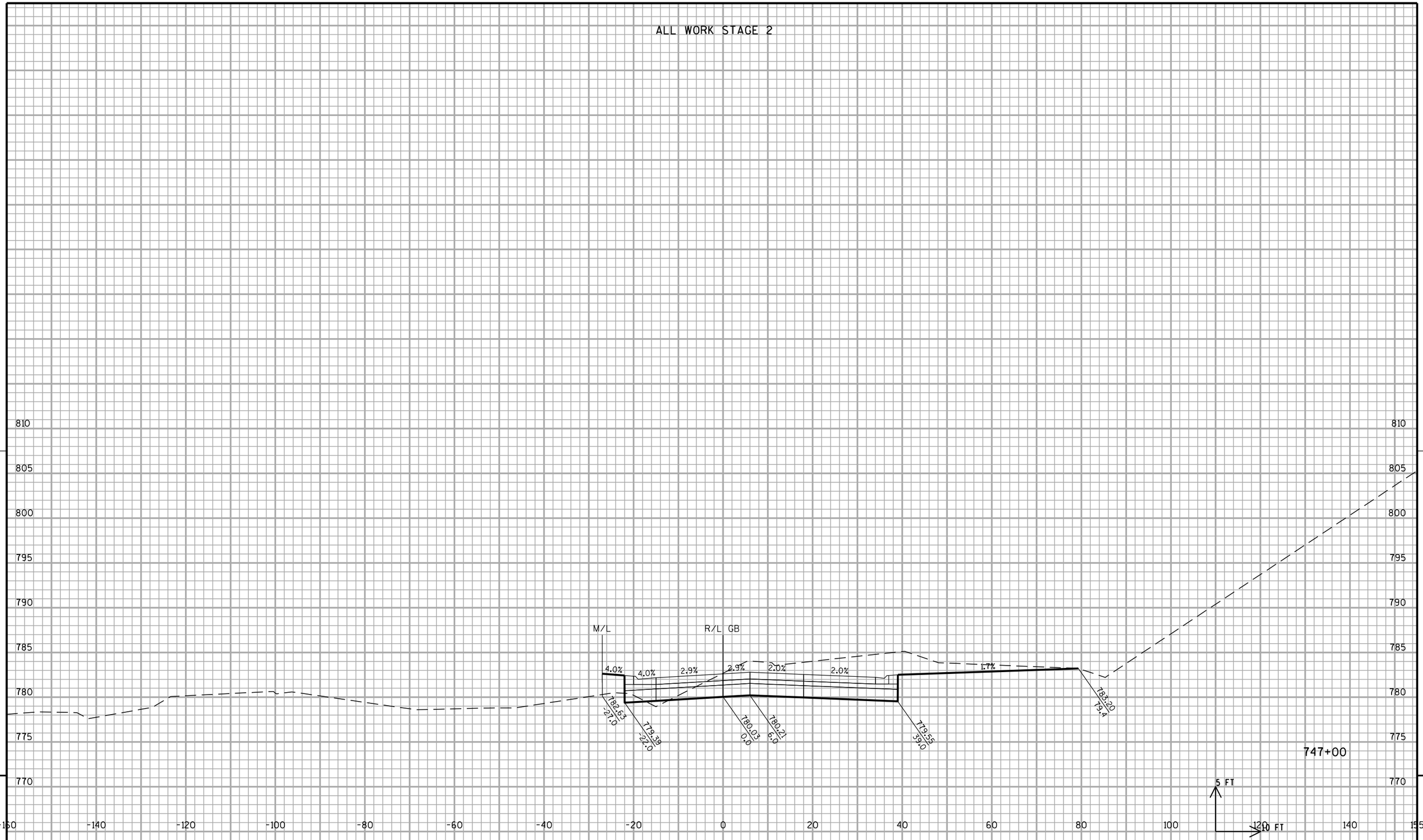
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb6 PLOT SCALE : 20:1

ALL WORK STAGE 2



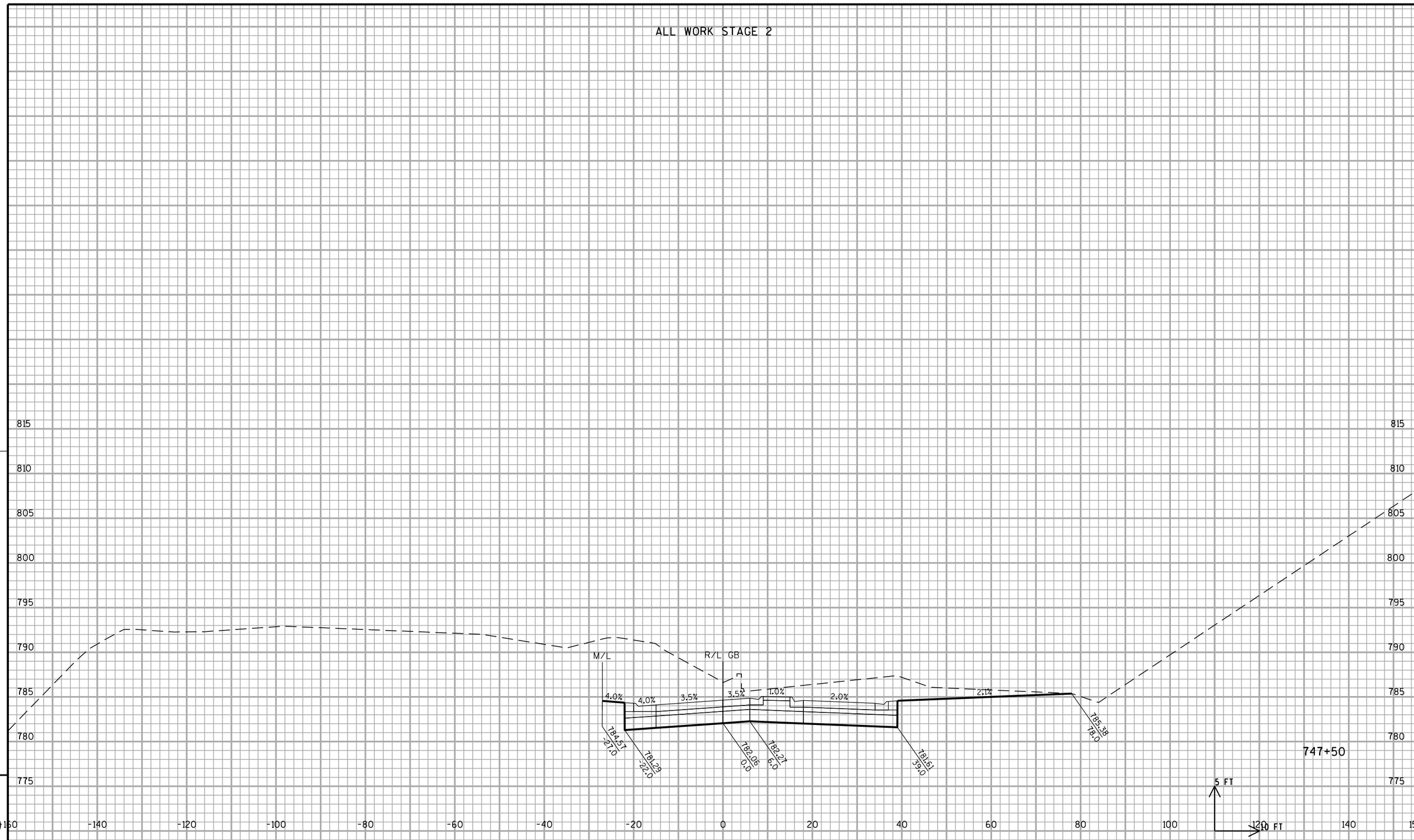
STA 747+00 TO 747+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

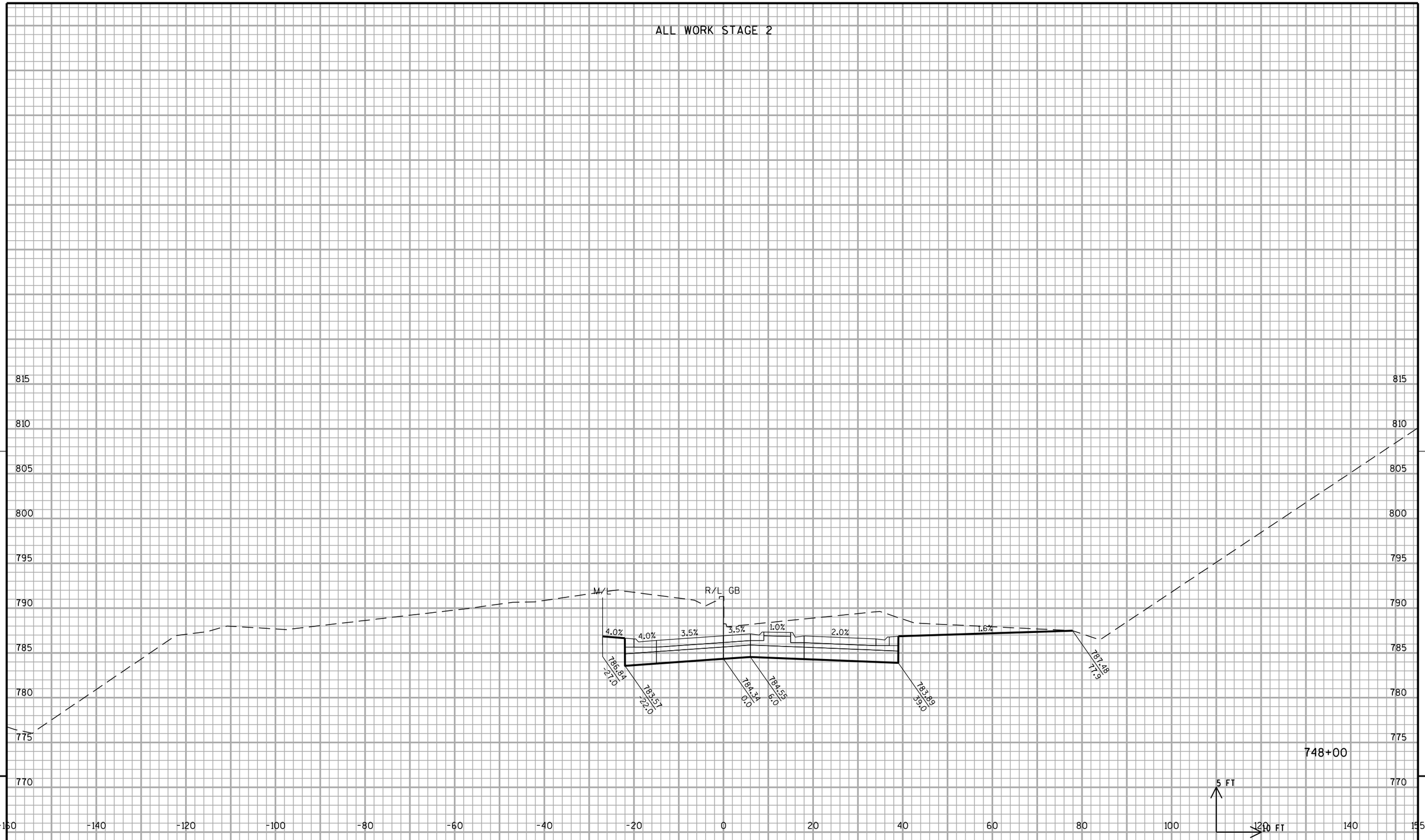


STA 747+50 TO 747+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb8 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

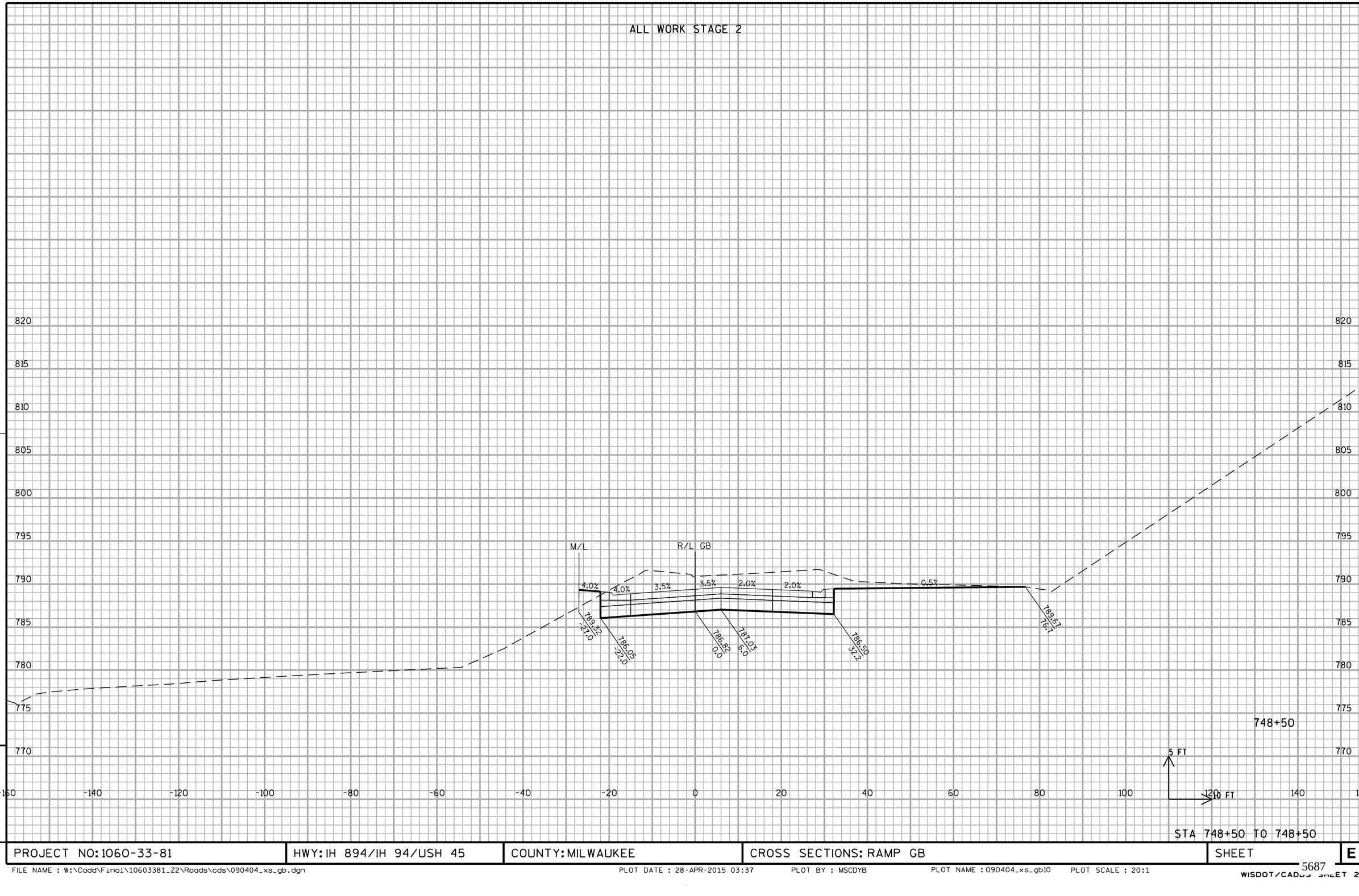
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

STA 748+00 TO 748+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb9 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

9

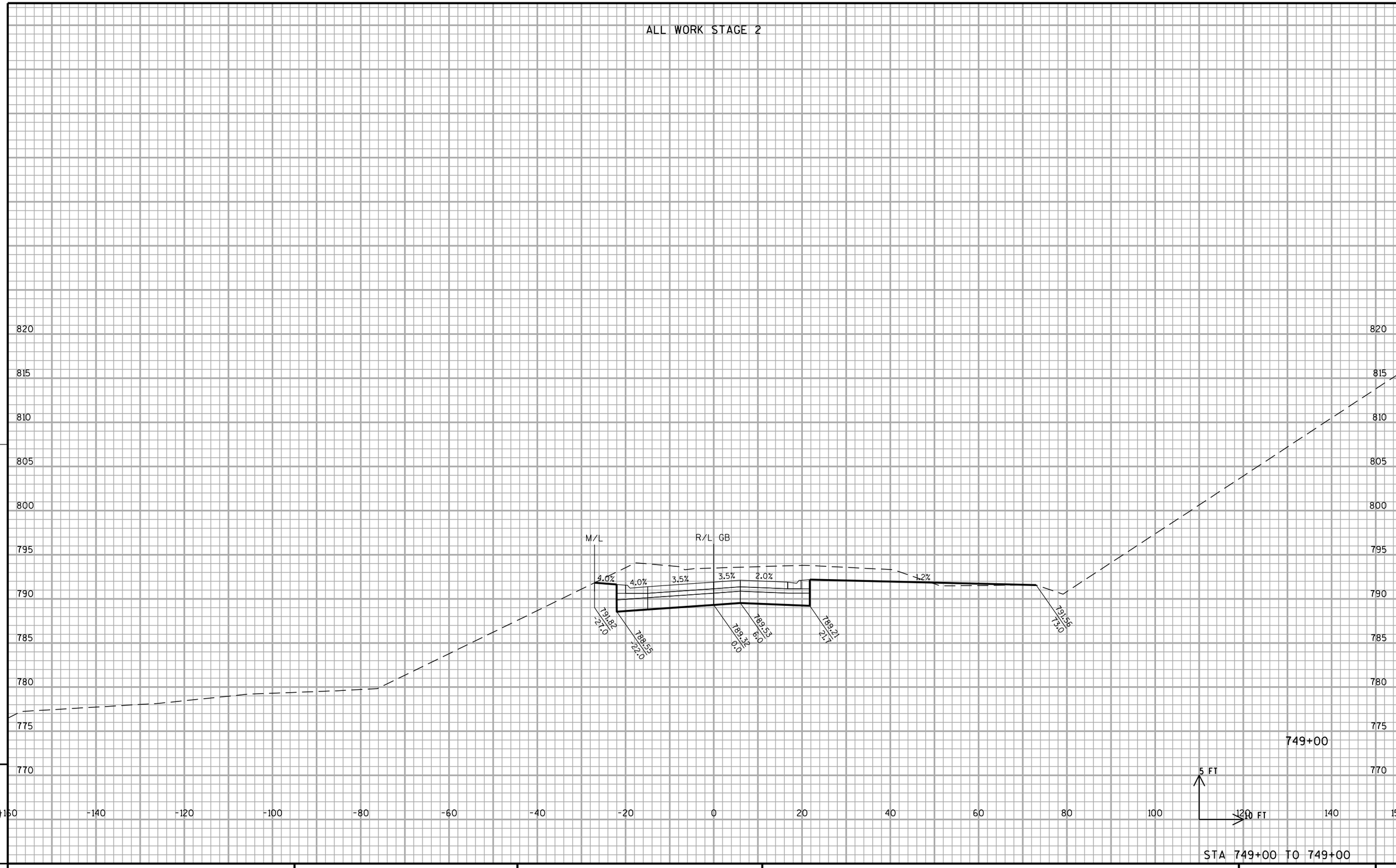
STA 748+50 TO 748+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb10 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

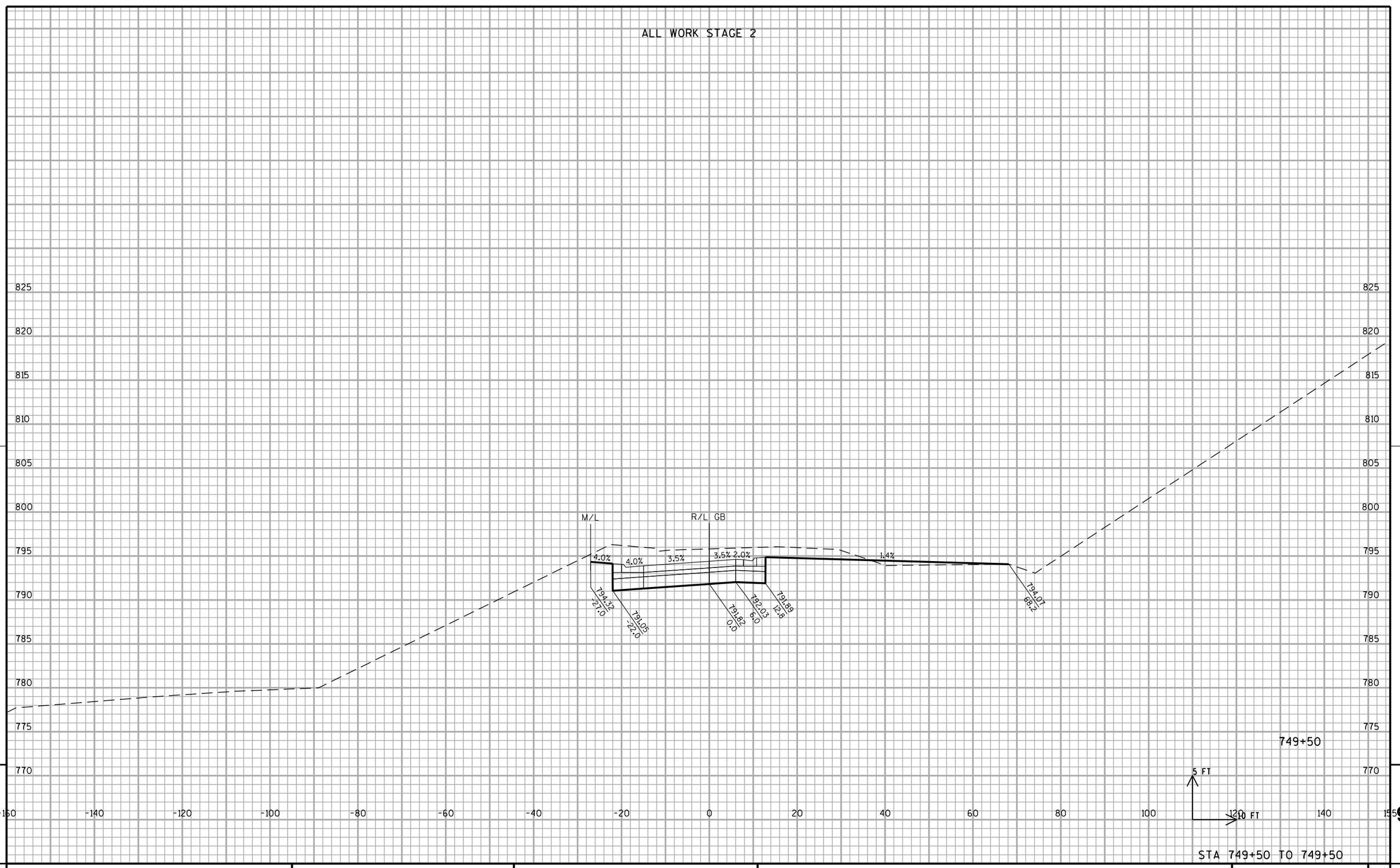


STA 749+00 TO 749+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb11 PLOT SCALE : 20:1

ALL WORK STAGE 2

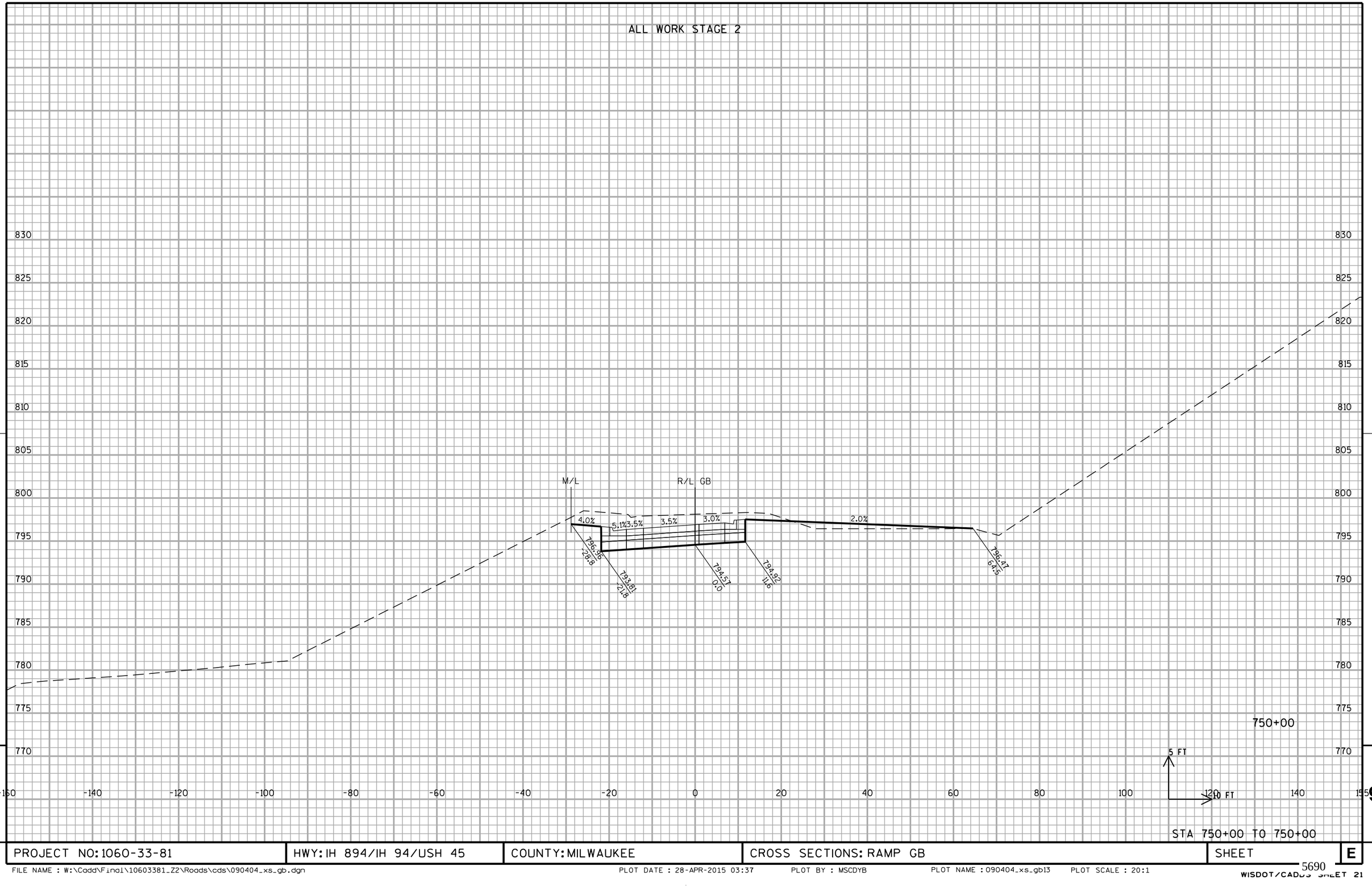


STA 749+50 TO 749+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb12 PLOT SCALE : 20:1

ALL WORK STAGE 2

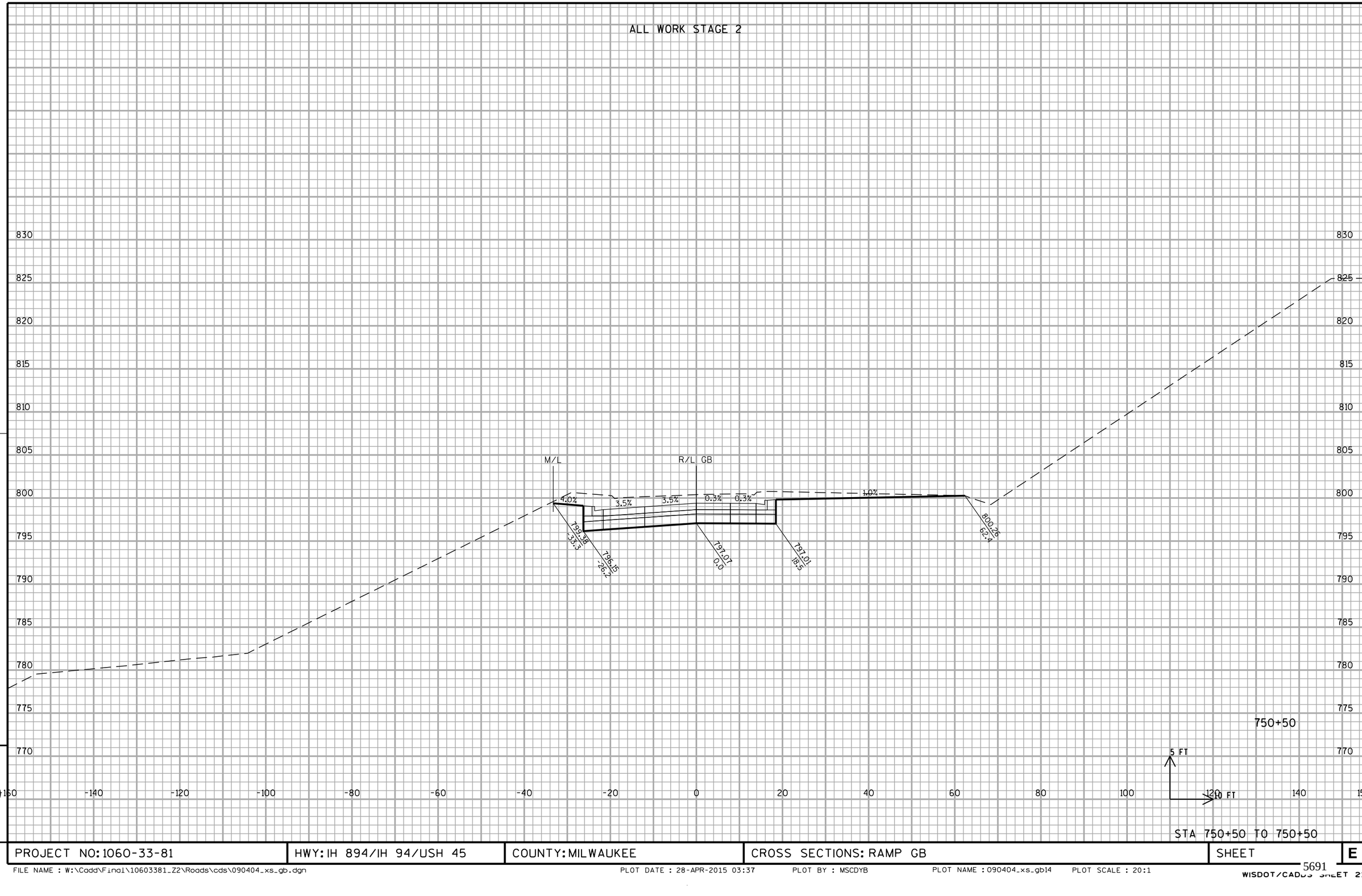


STA 750+00 TO 750+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb13 PLOT SCALE : 20:1

ALL WORK STAGE 2

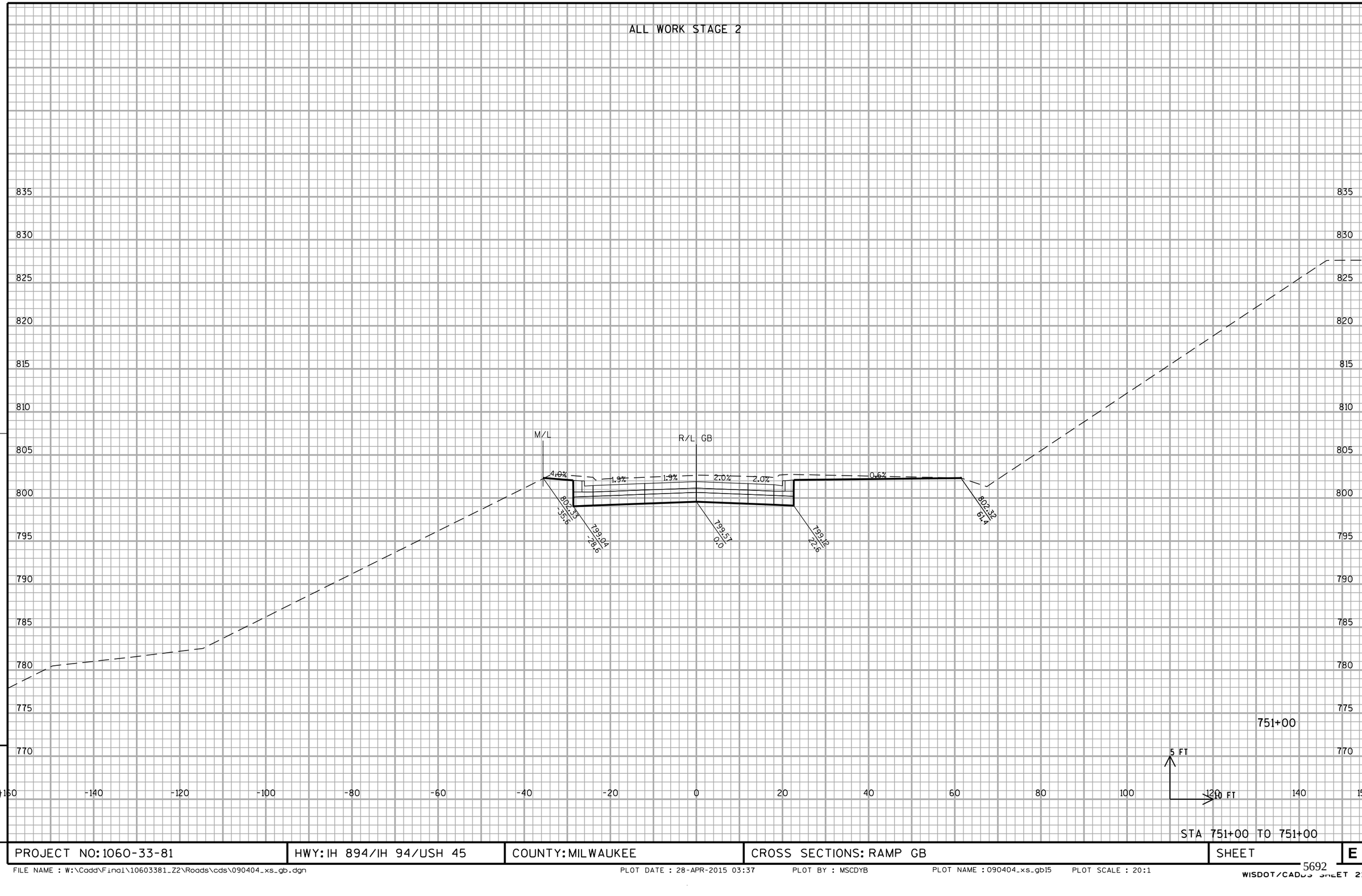


STA 750+50 TO 750+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb14 PLOT SCALE : 20:1

ALL WORK STAGE 2

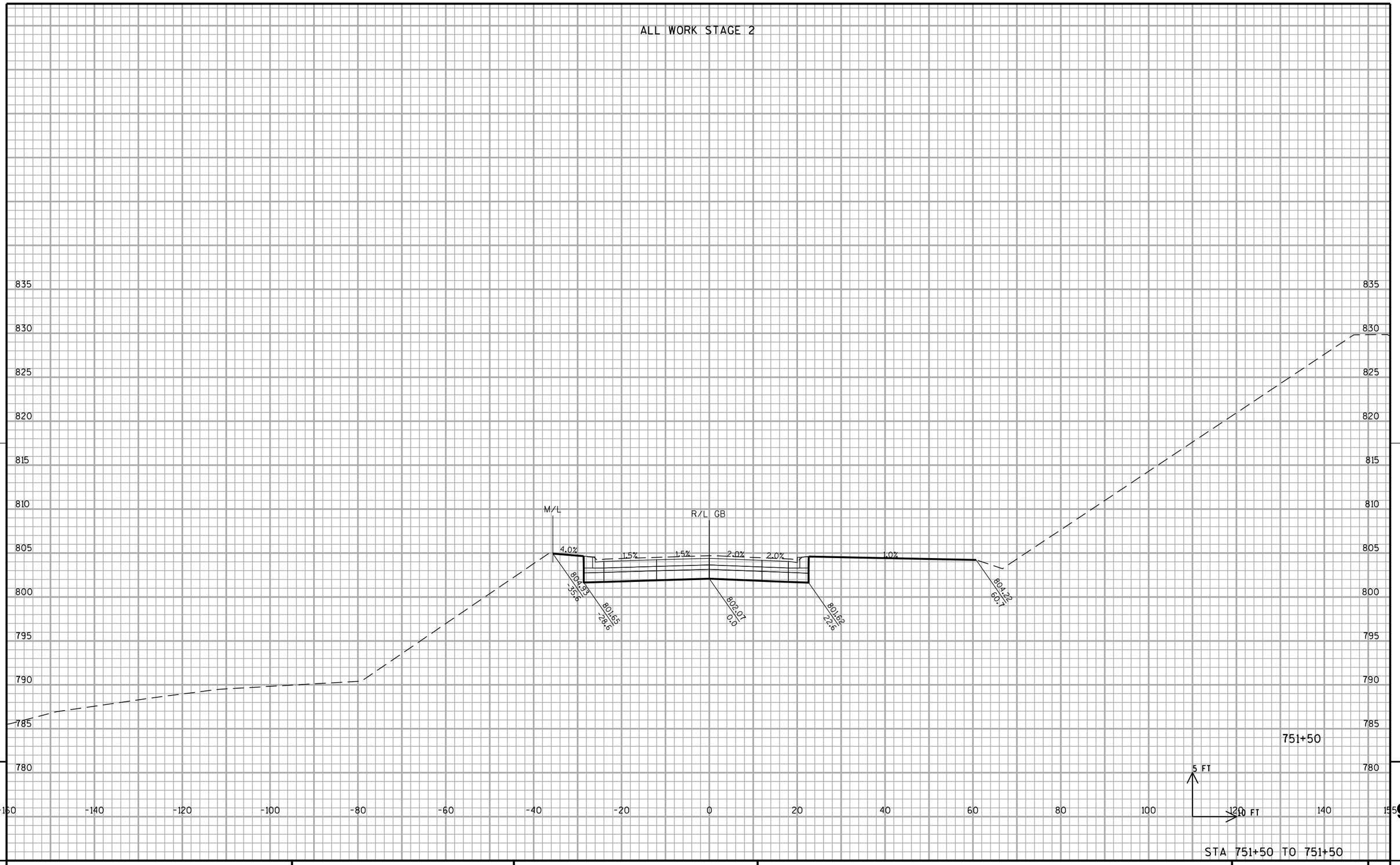


STA 751+00 TO 751+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb15 PLOT SCALE : 20:1

ALL WORK STAGE 2

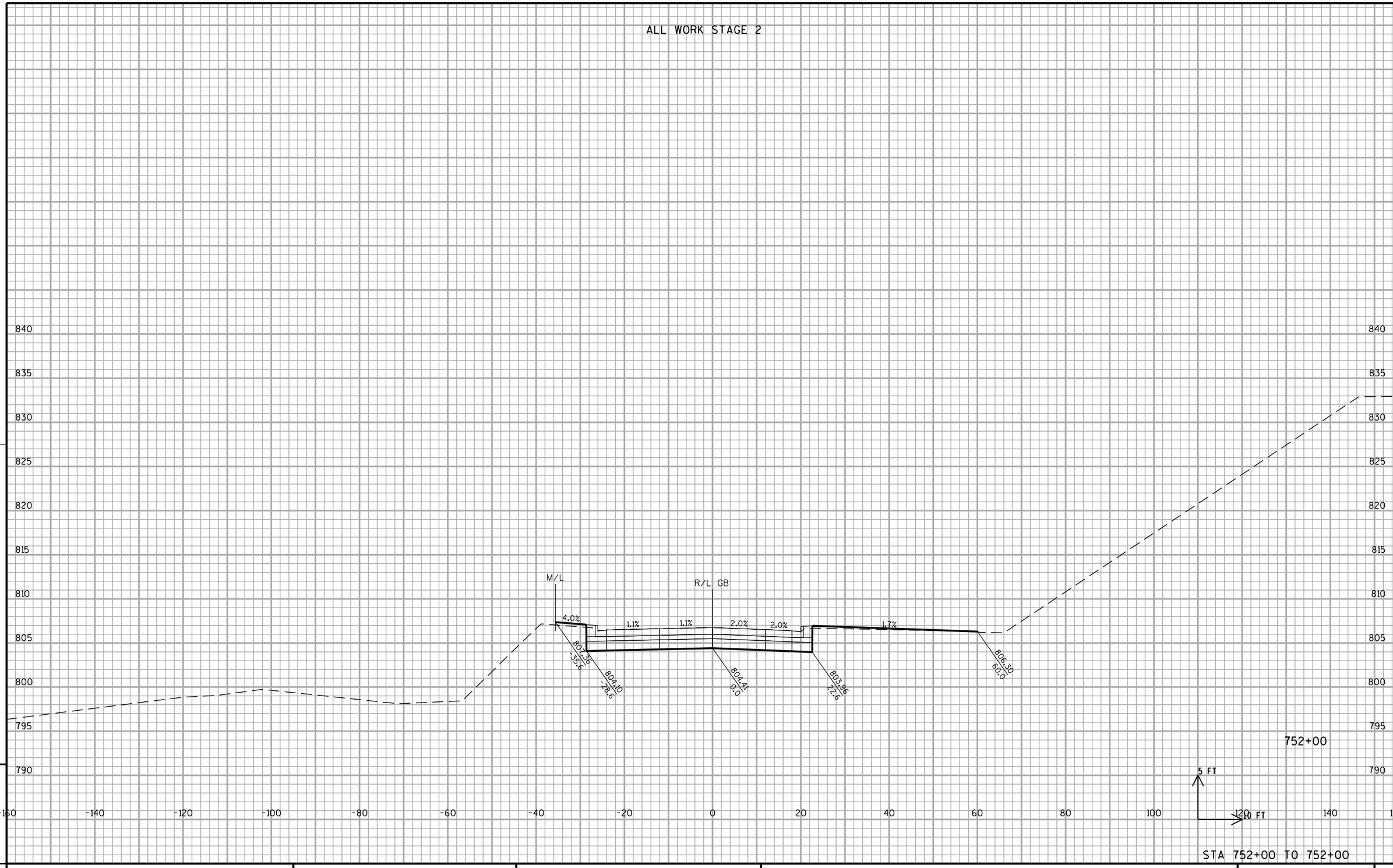


STA 751+50 TO 751+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb16 PLOT SCALE : 20:1

ALL WORK STAGE 2

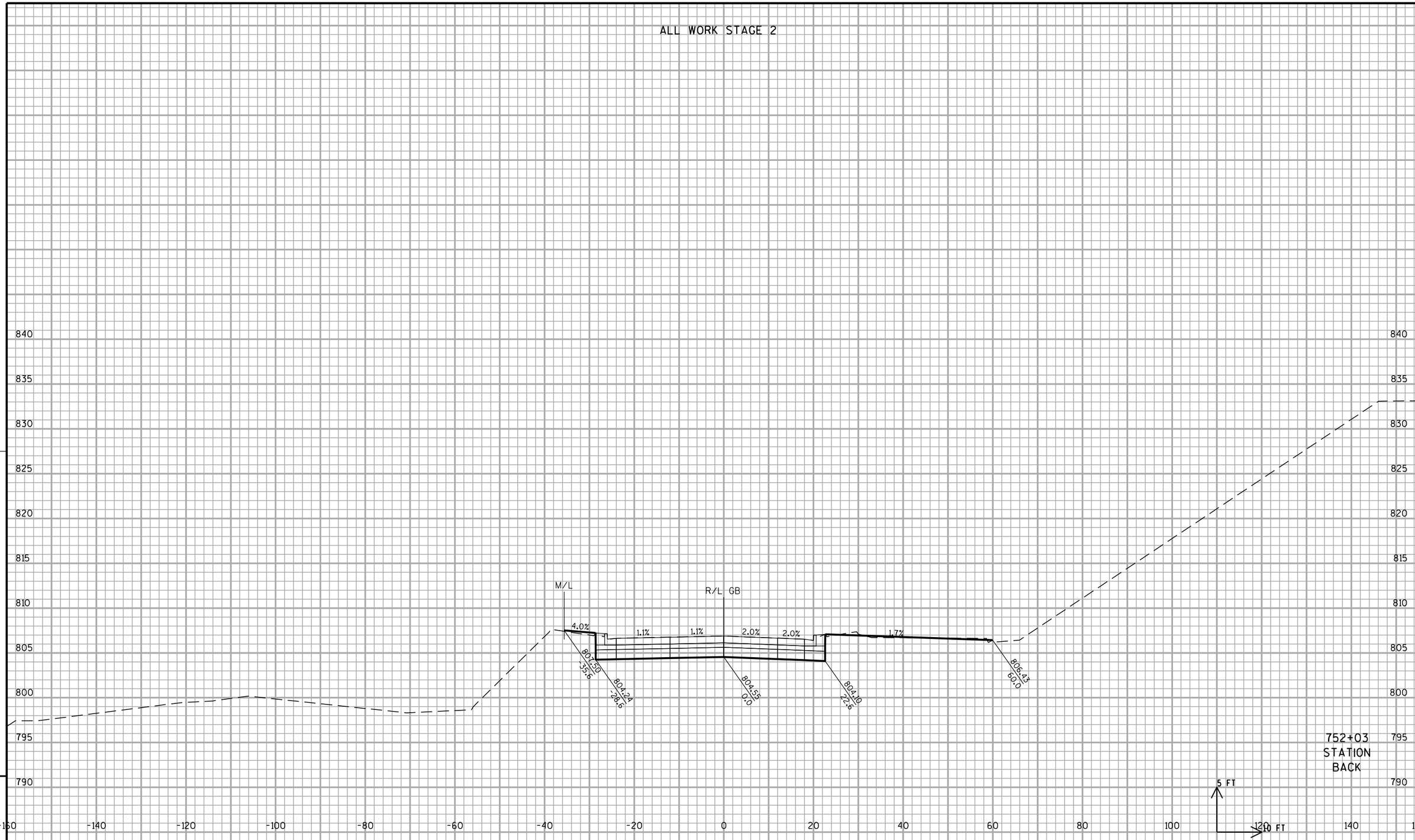


STA 752+00 TO 752+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090404_xs_gb.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090404_xs_gb17 PLOT SCALE : 20:1

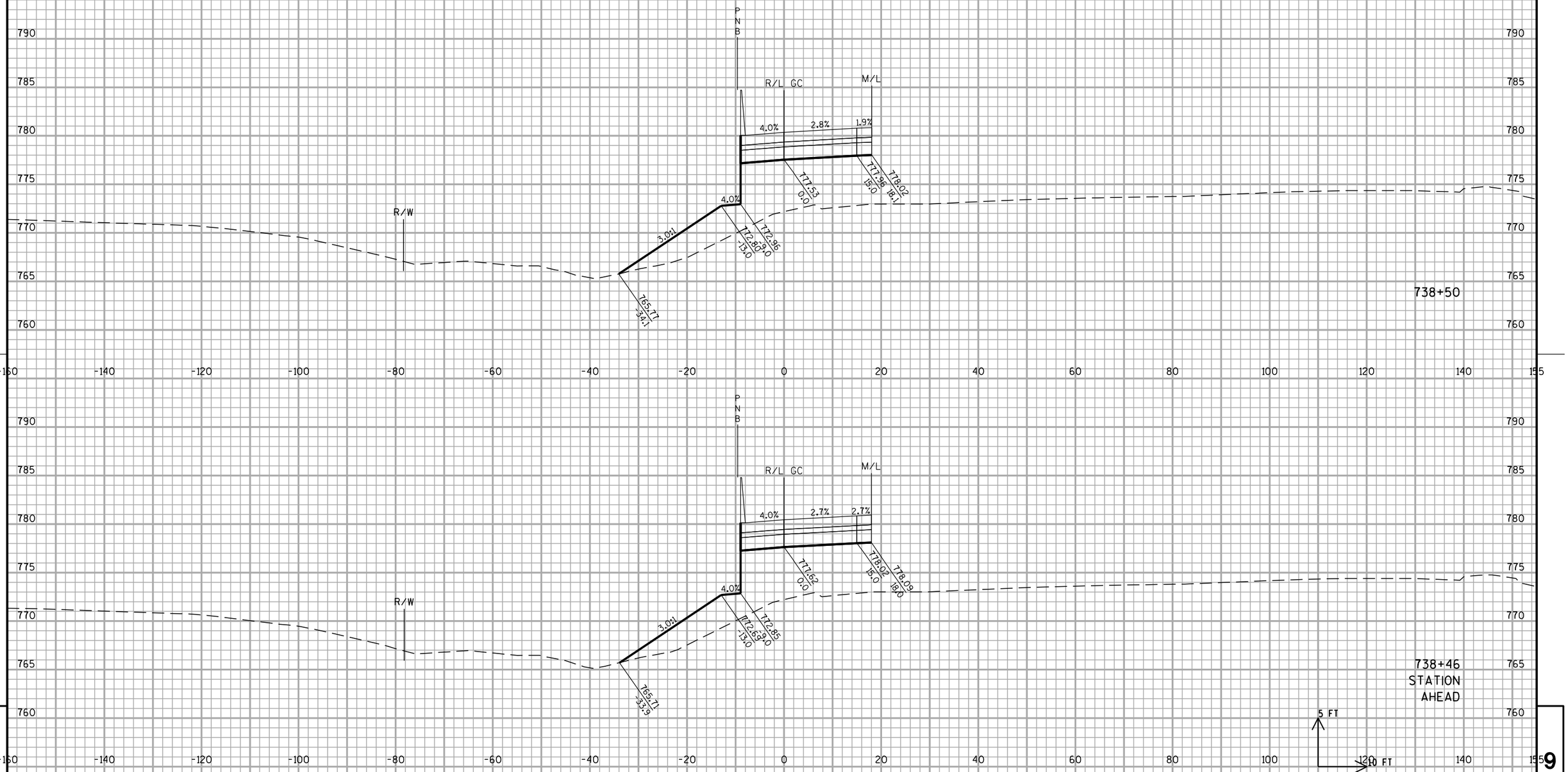
ALL WORK STAGE 2



STA 752+03 TO 752+03

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GB	SHEET	E

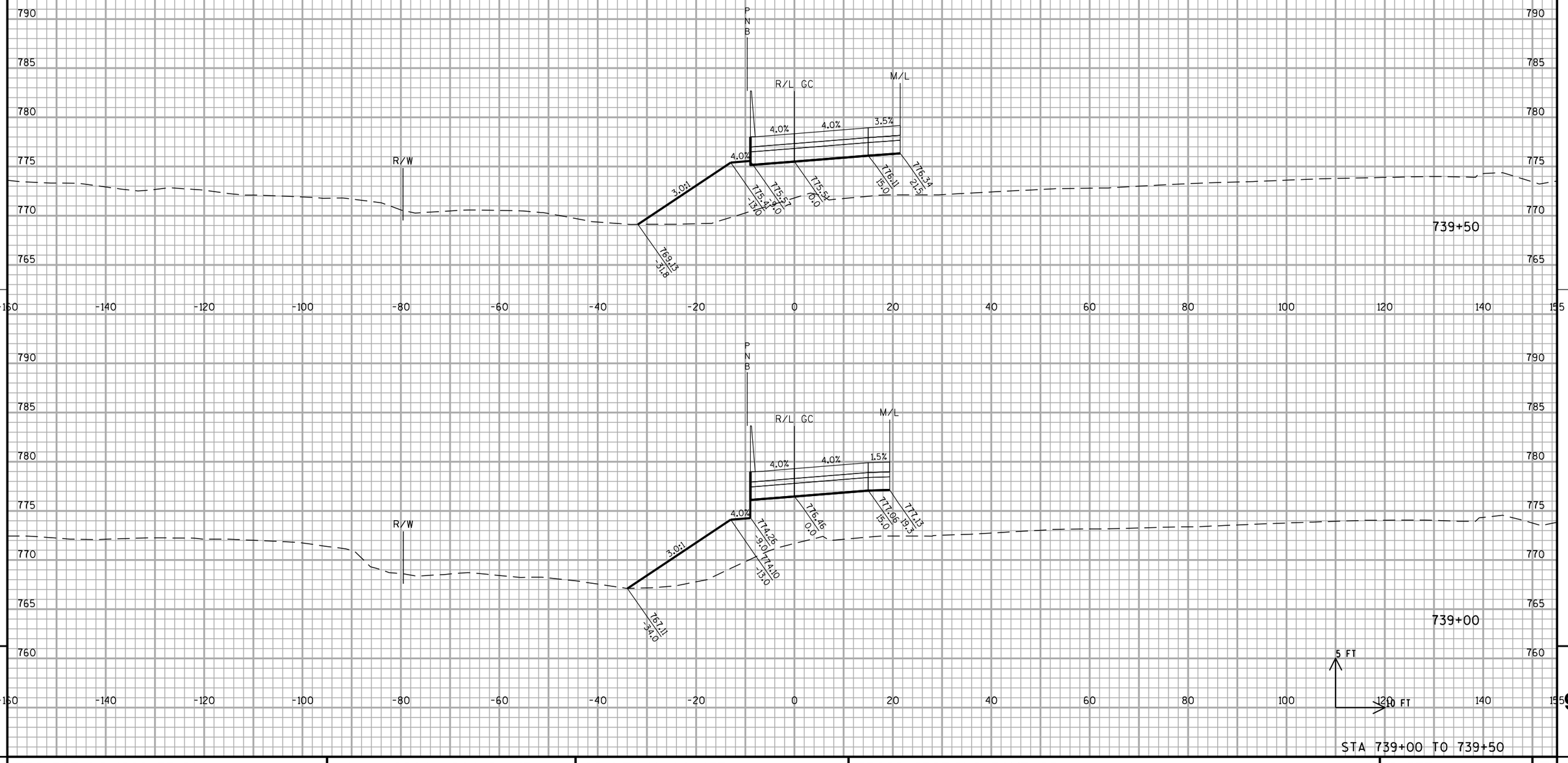
ALL WORK STAGE 6



STA 738+46 TO 738+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

ALL WORK STAGE 6



STA 739+00 TO 739+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

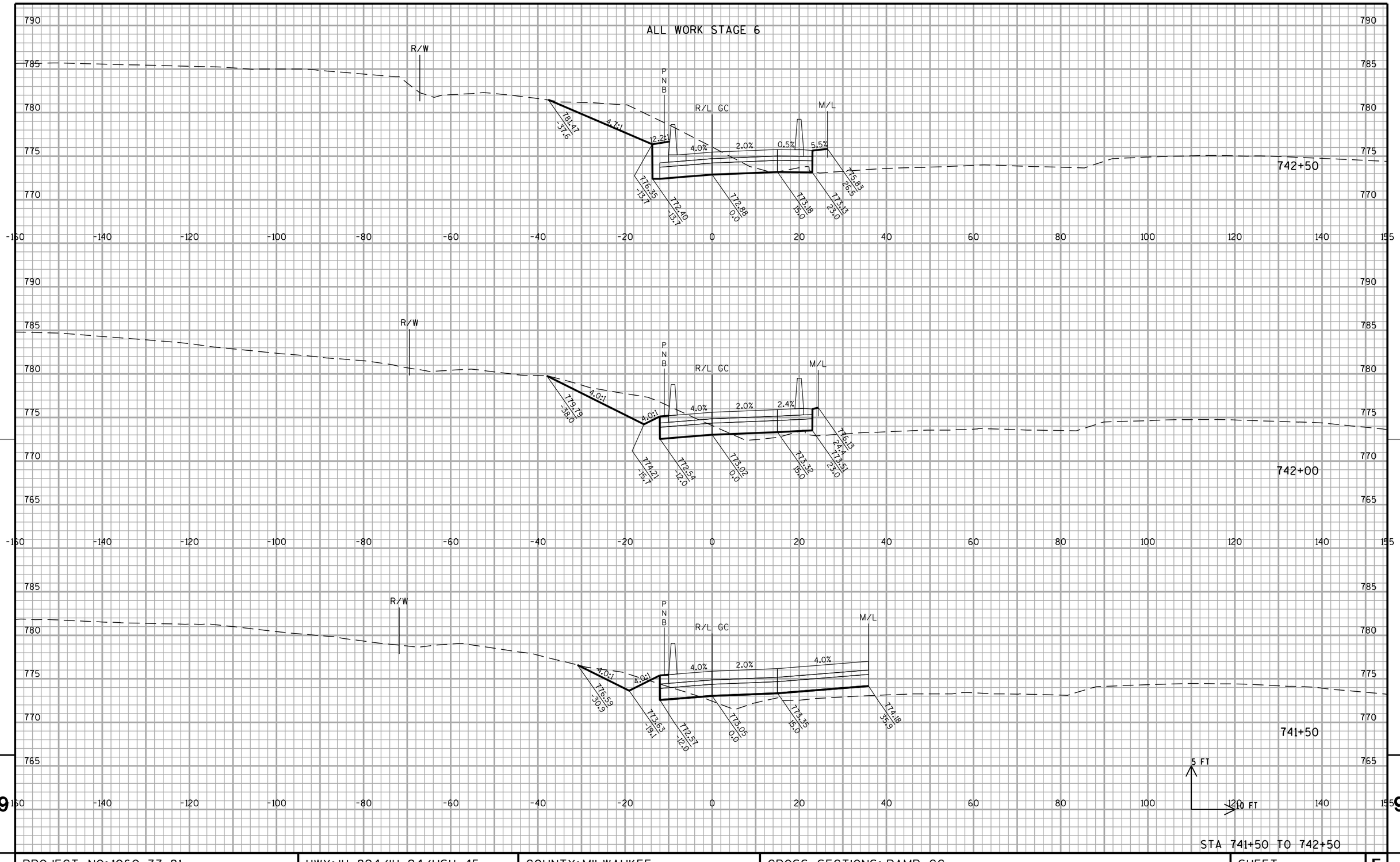
ALL WORK STAGE 6

STA 740+00 TO 741+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_GC.dgn PLOT DATE : 05-JUN-2015 14:32 PLOT BY : MSCDYB PLOT NAME : 090405_xs_GC2 PLOT SCALE : 20:1

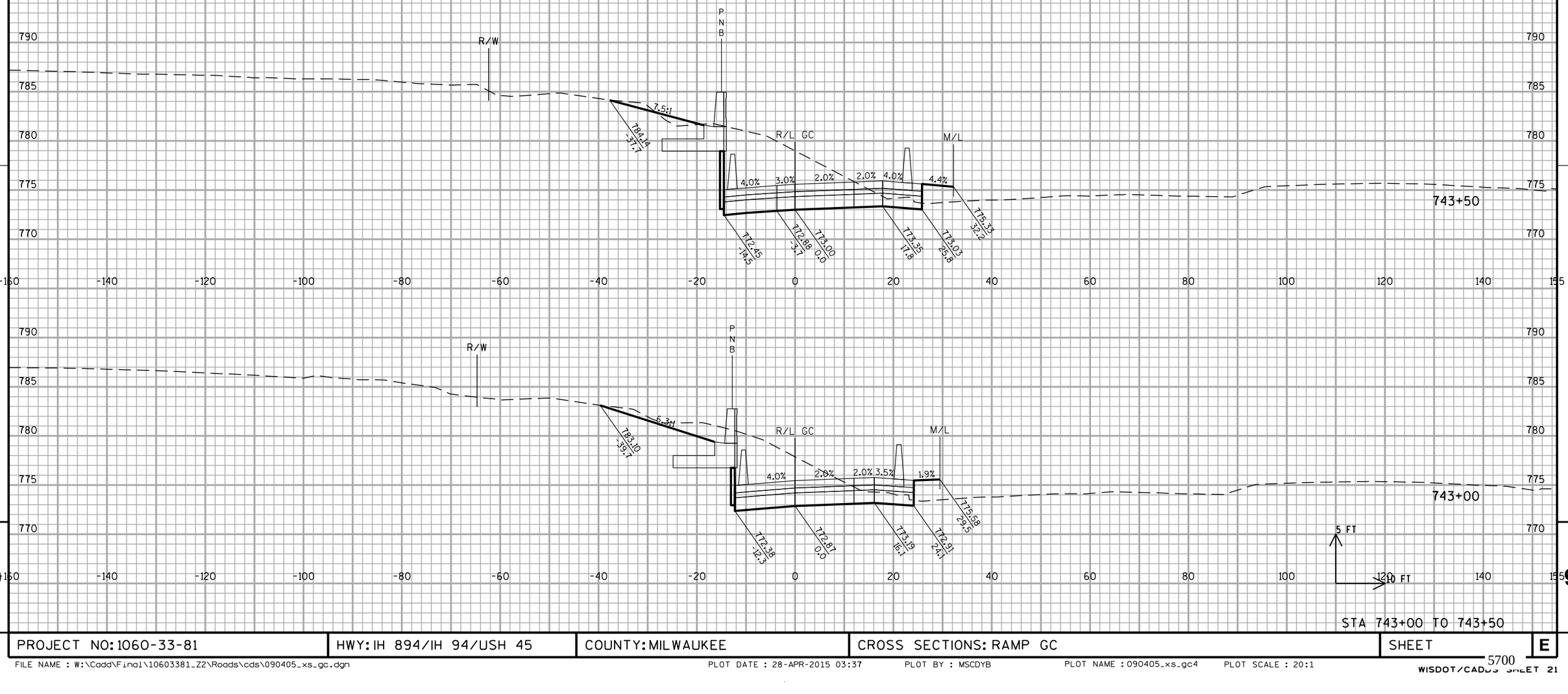
ALL WORK STAGE 6



STA 741+50 TO 742+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

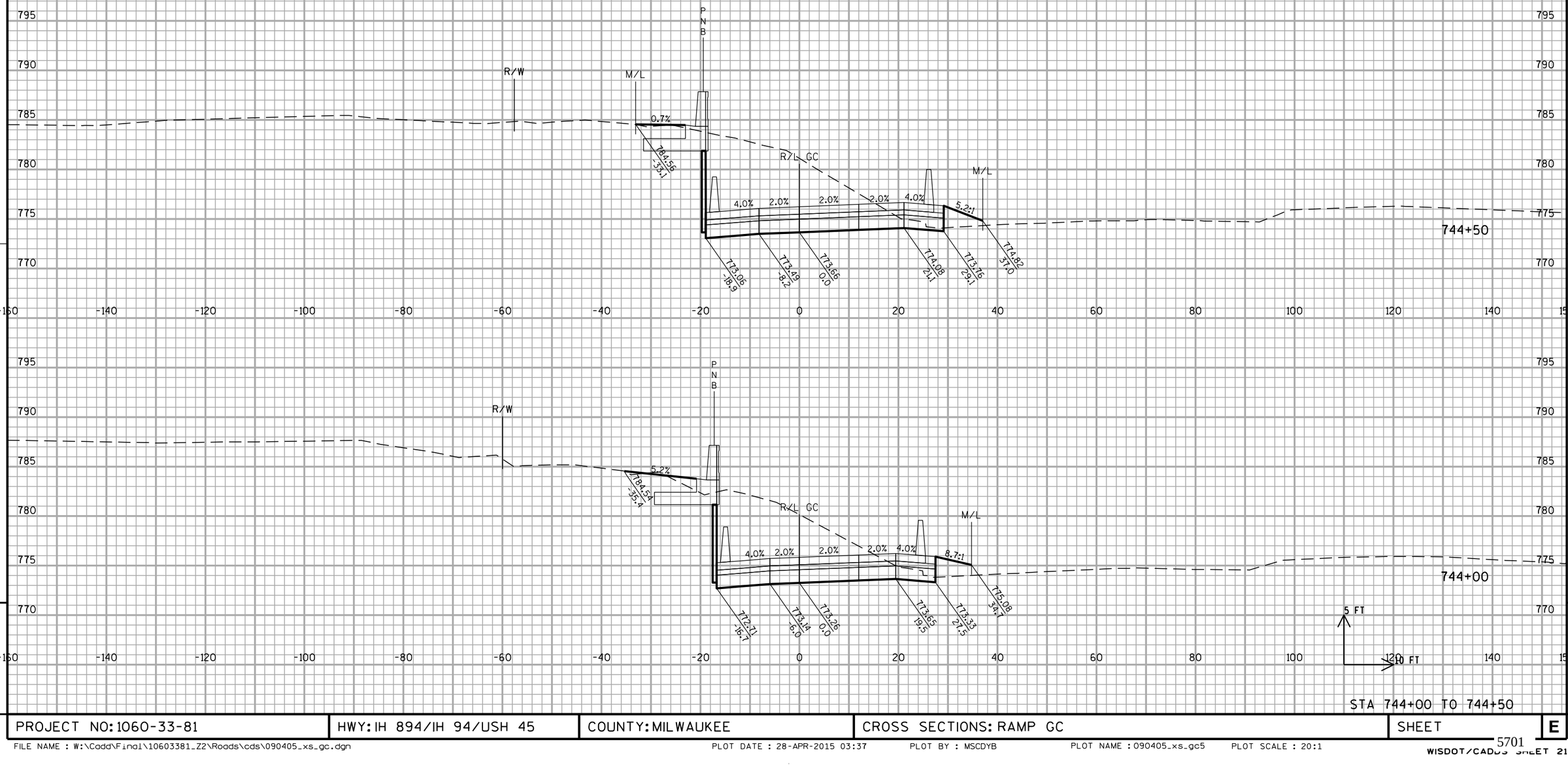
ALL WORK STAGE 6



STA 743+00 TO 743+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

ALL WORK STAGE 6

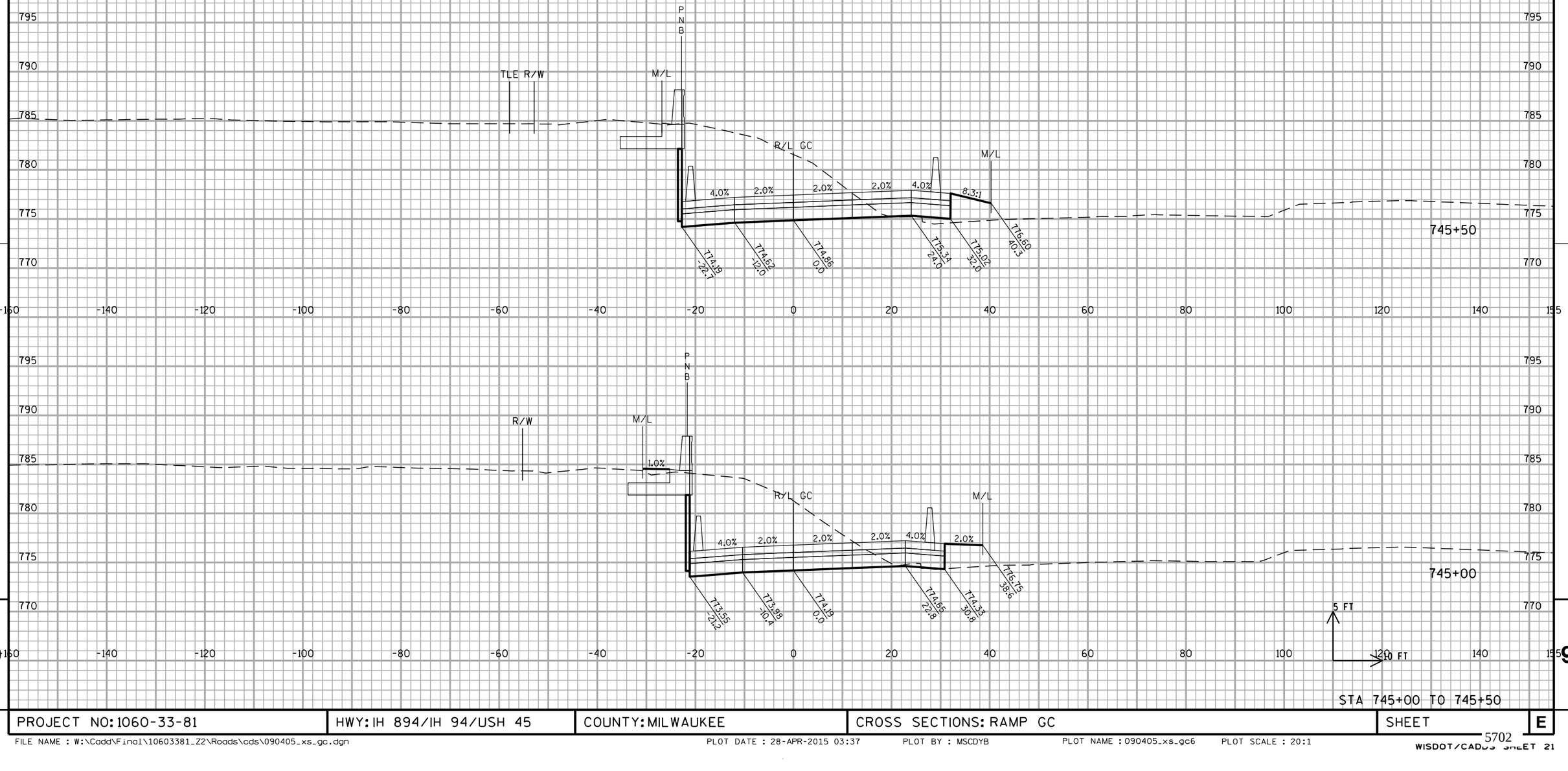


STA 744+00 TO 744+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc5 PLOT SCALE : 20:1

ALL WORK STAGE 6

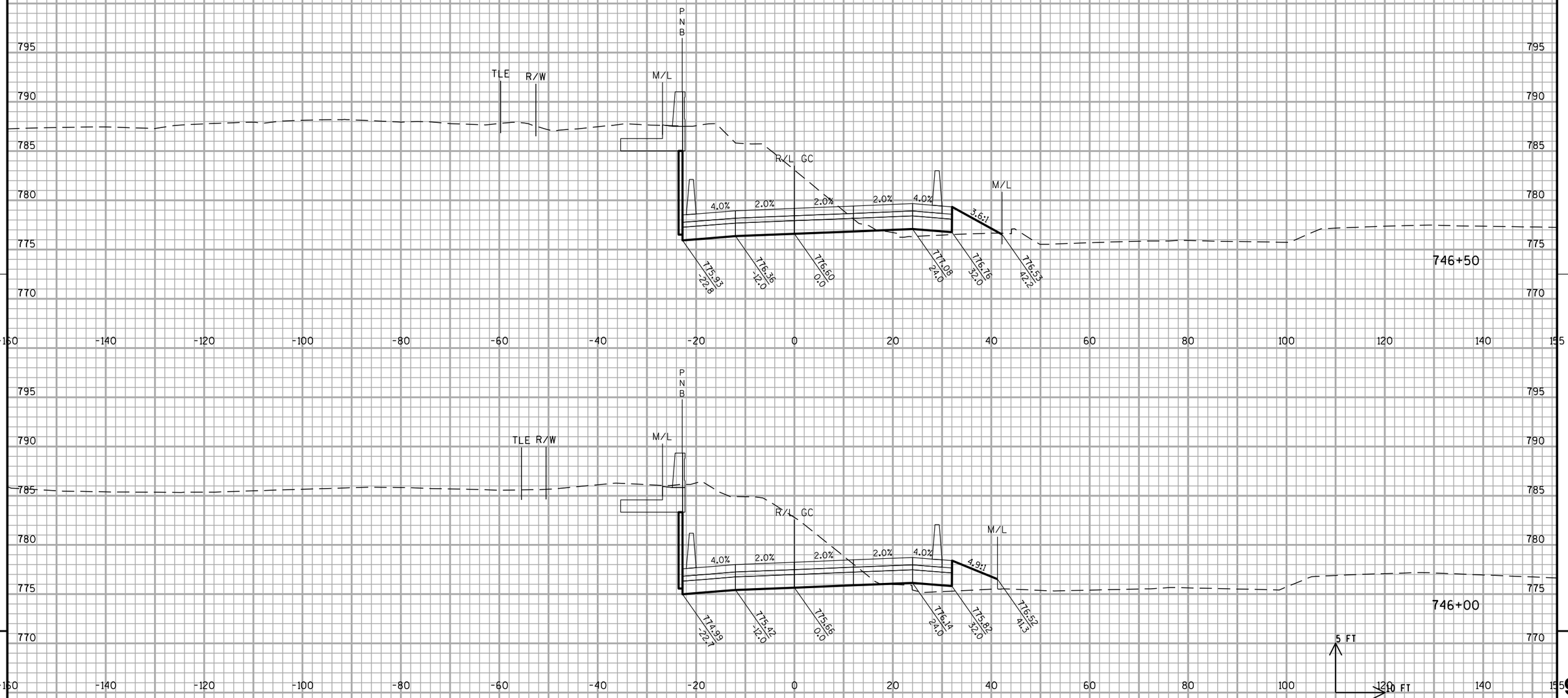


STA 745+00 TO 745+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc6 PLOT SCALE : 20:1

ALL WORK STAGE 6

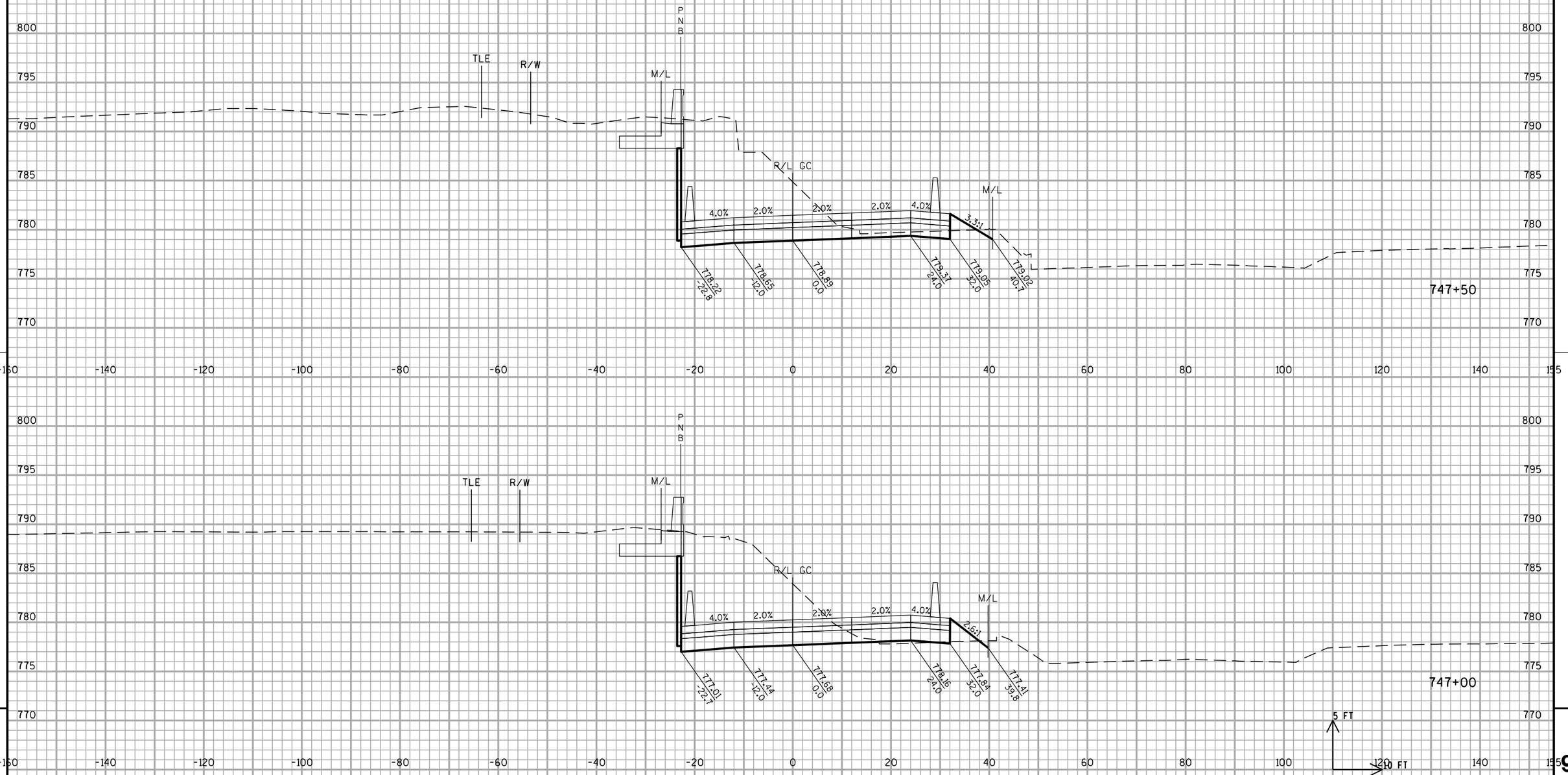


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

STA 746+00 TO 746+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc7 PLOT SCALE : 20:1

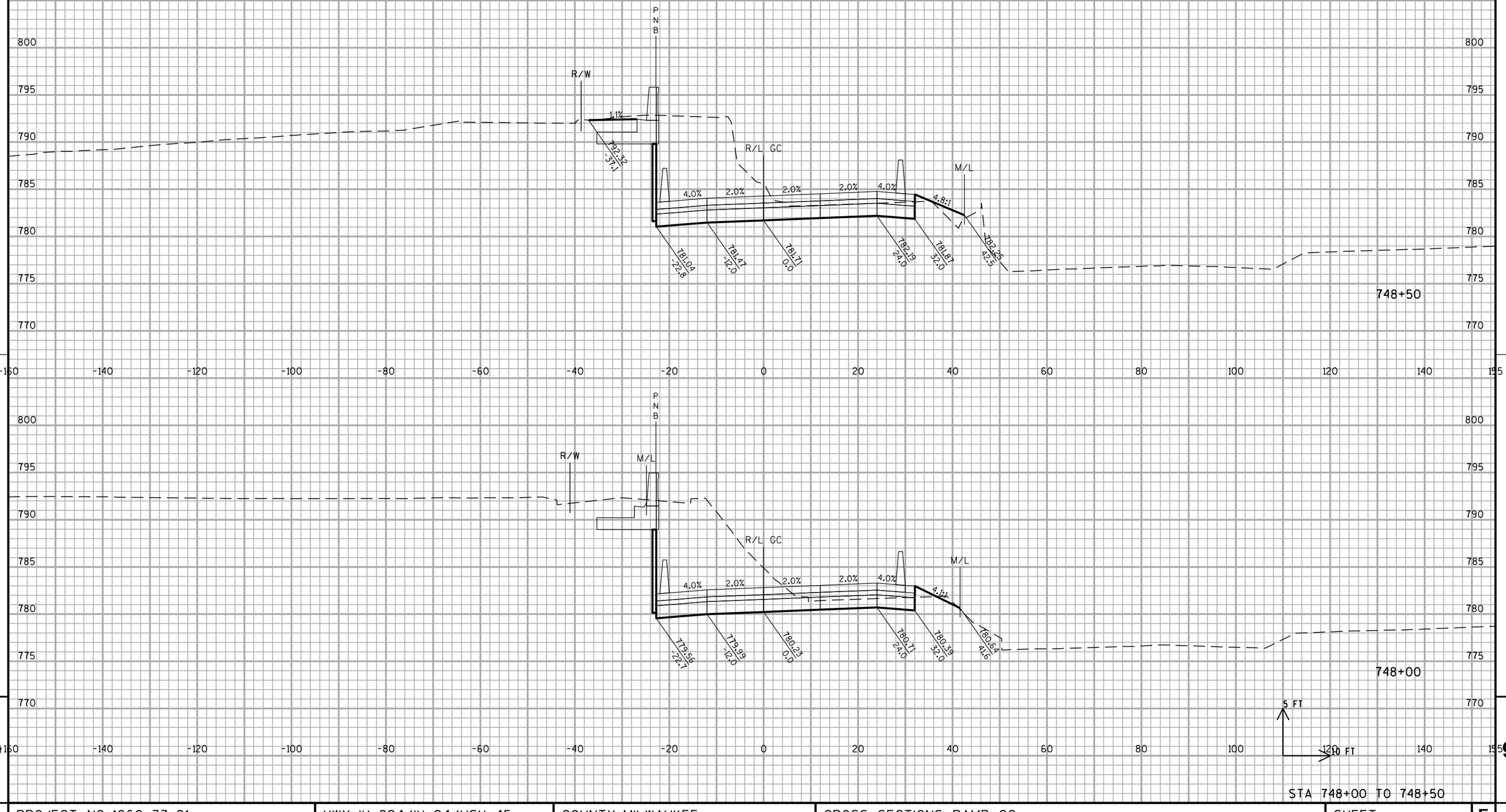
ALL WORK STAGE 6



STA 747+00 TO 747+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc9 PLOT SCALE : 20:1

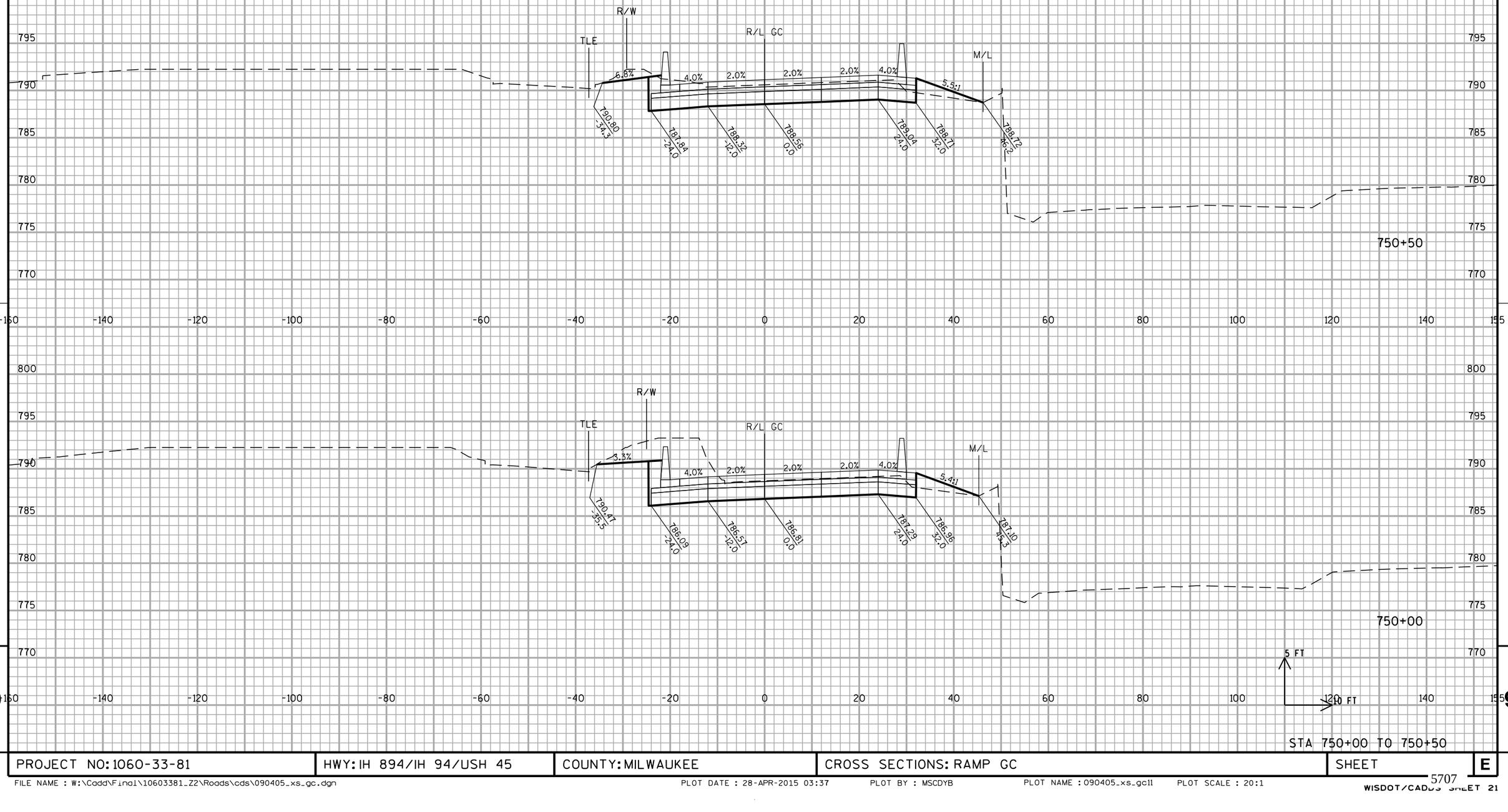
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc10 PLOT SCALE : 20:1

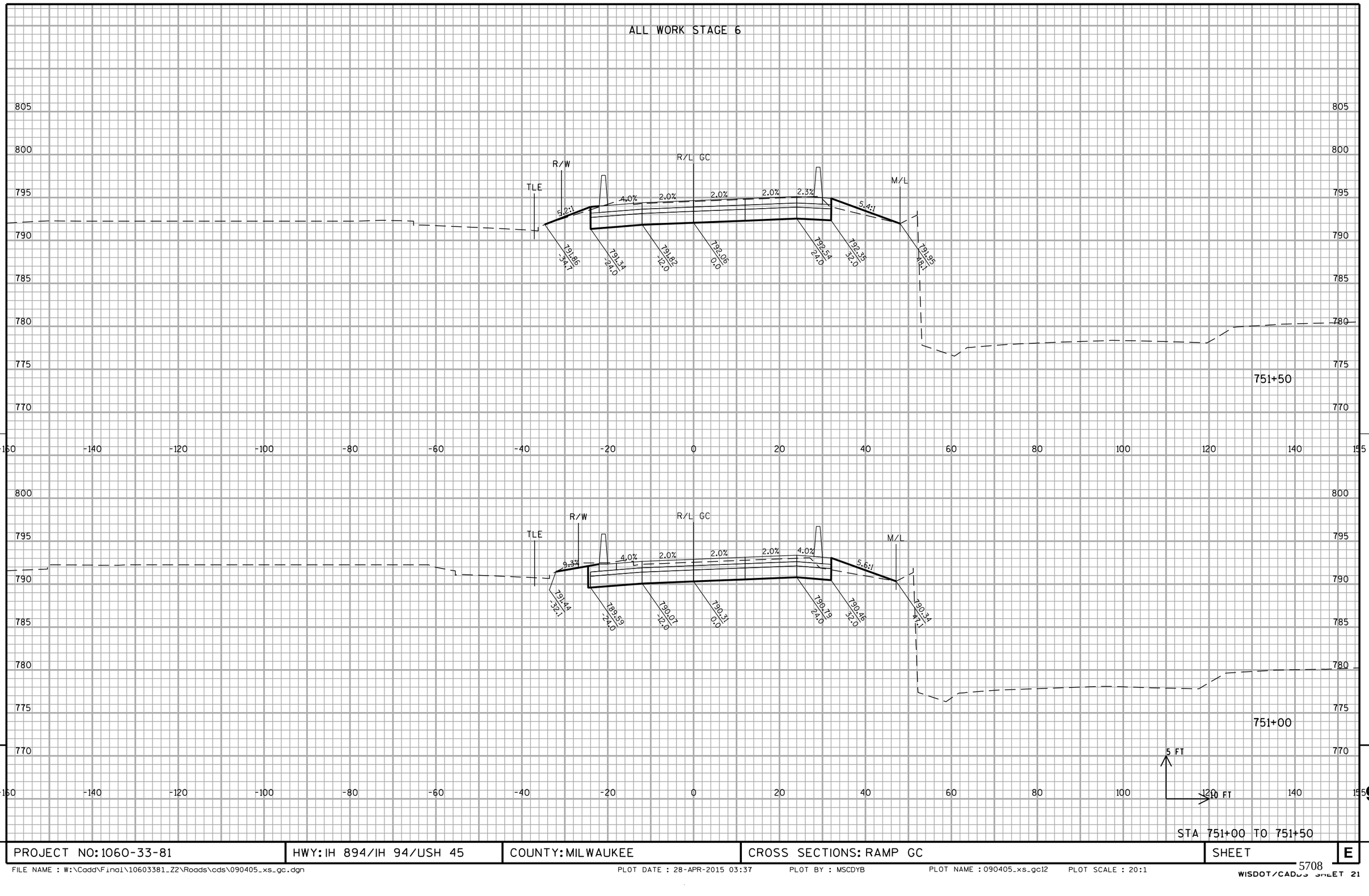
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc11 PLOT SCALE : 20:1

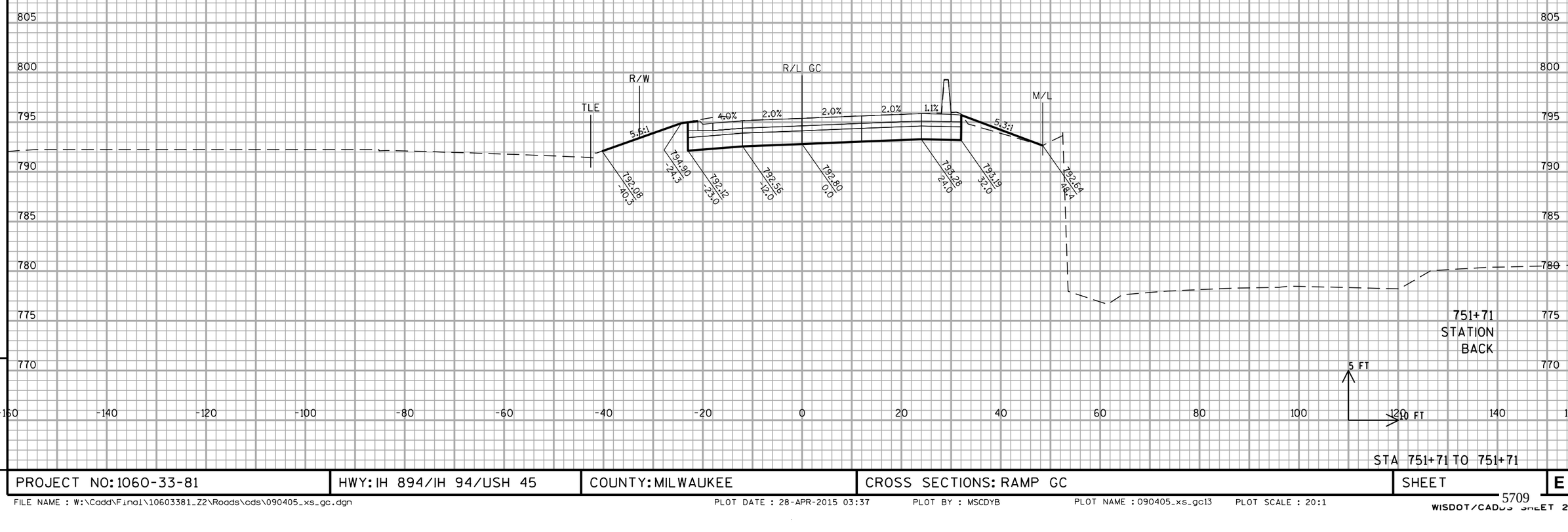
ALL WORK STAGE 6



STA 751+00 TO 751+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

ALL WORK STAGE 6

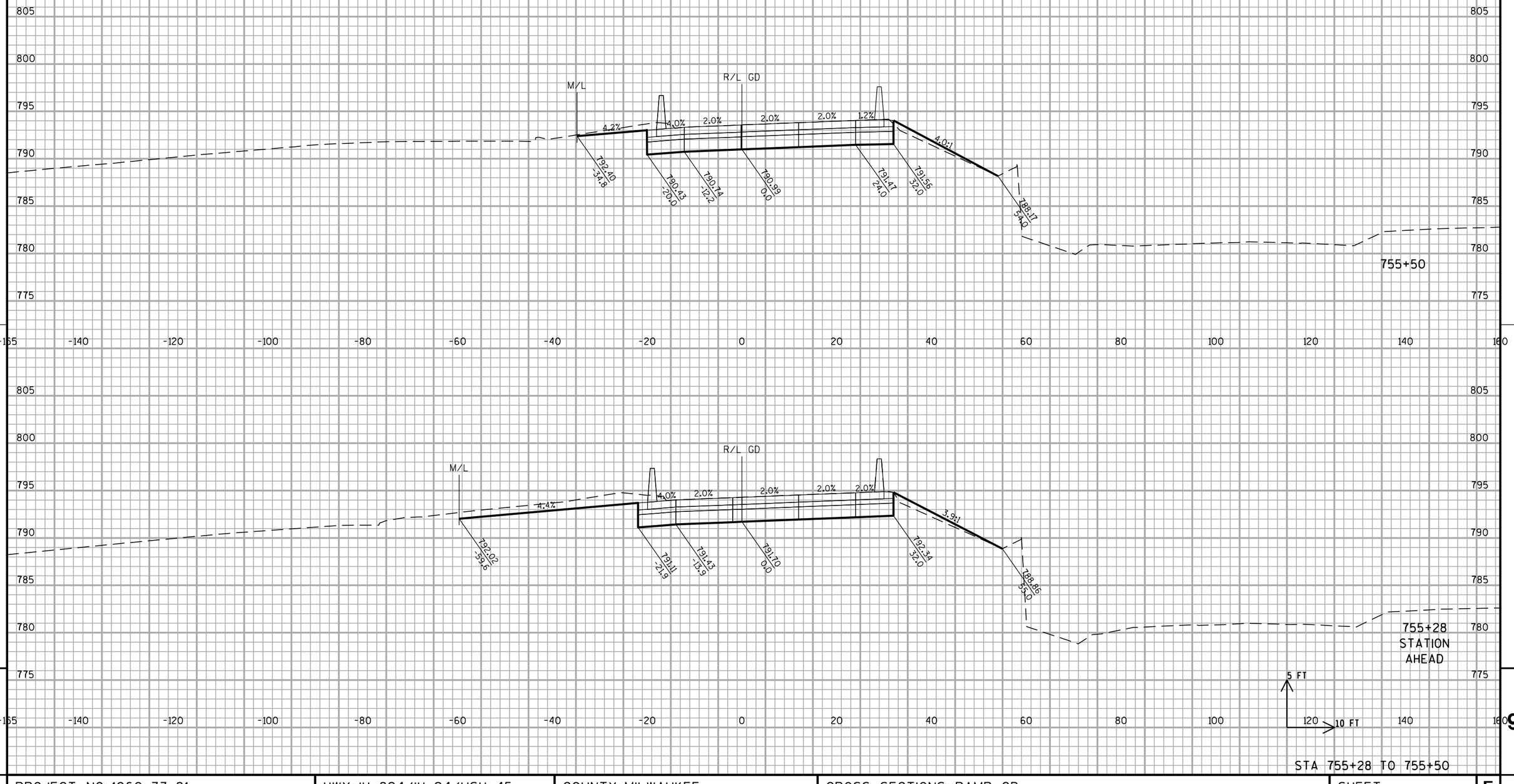


STA 751+71 TO 751+71

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090405_xs_gc.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090405_xs_gc13 PLOT SCALE : 20:1

ALL WORK STAGE 6

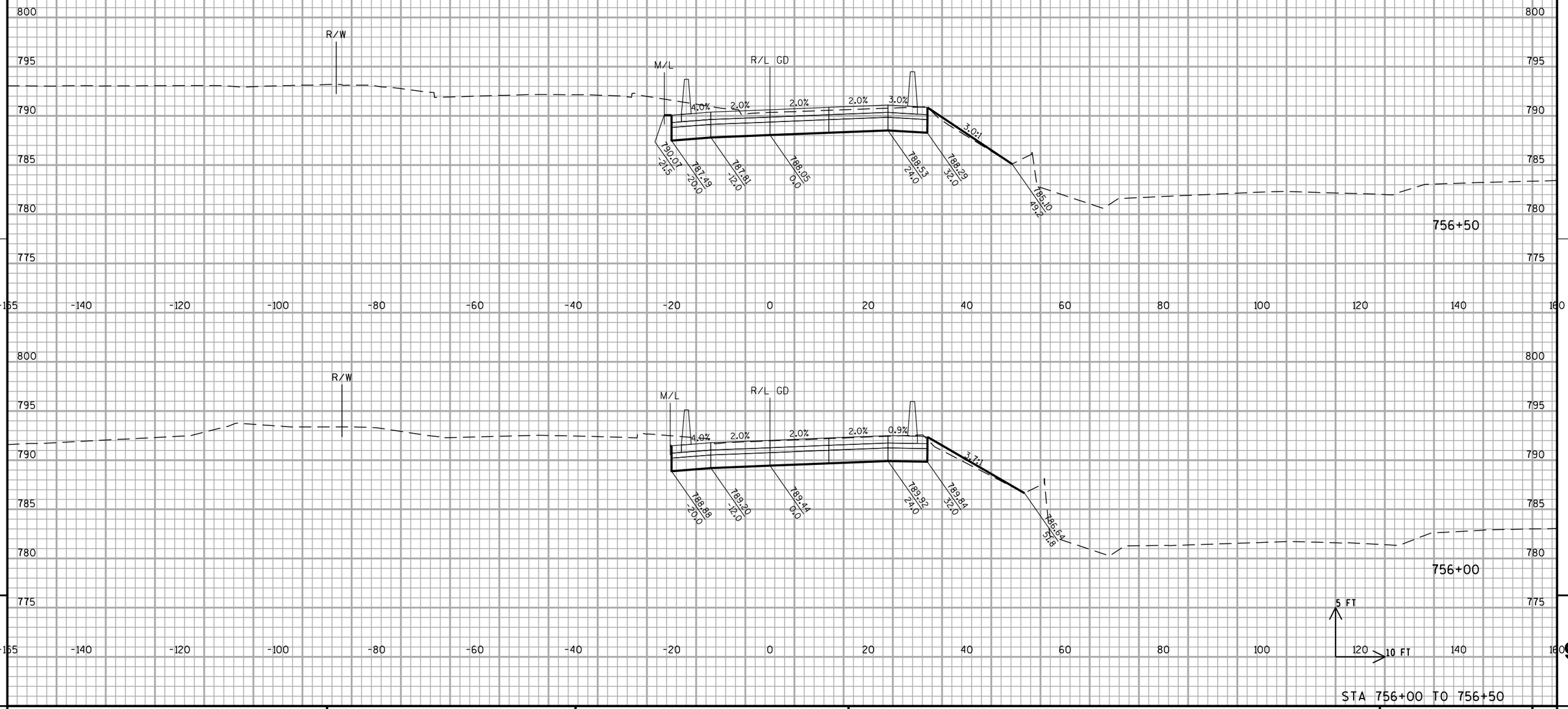


STA 755+28 TO 755+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd PLOT SCALE : 20:1

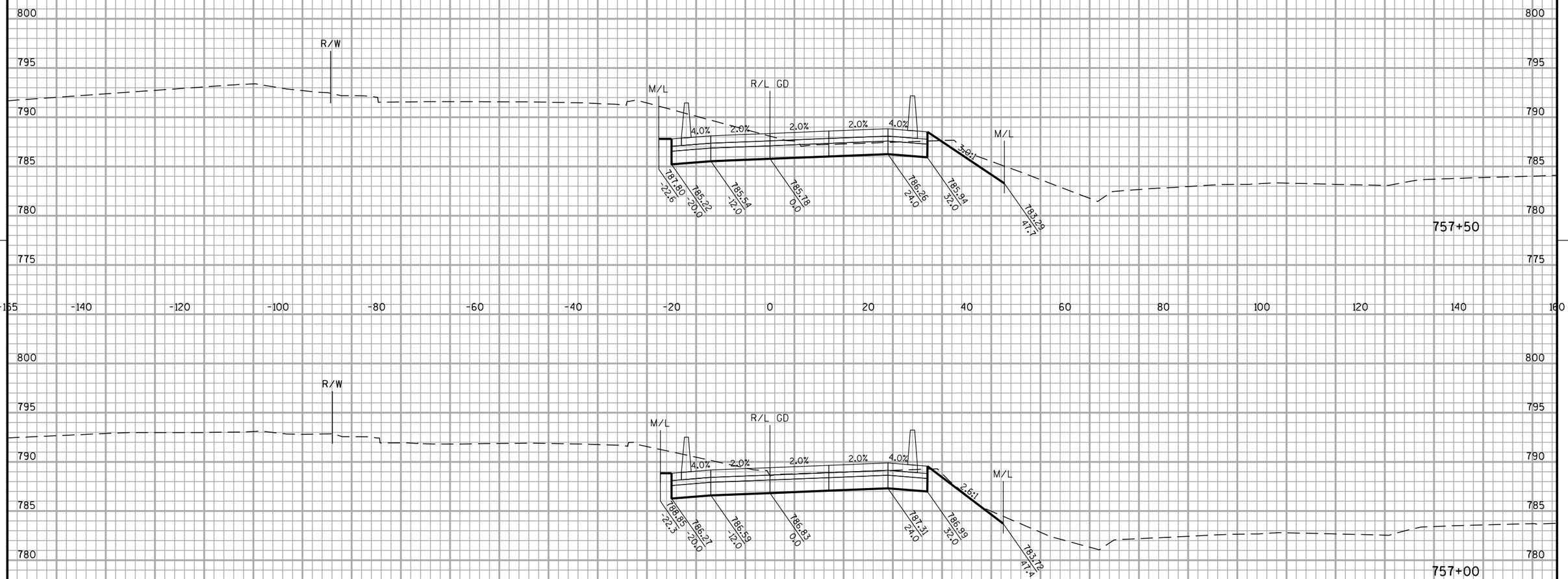
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd1 PLOT SCALE : 20:1

ALL WORK STAGE 6

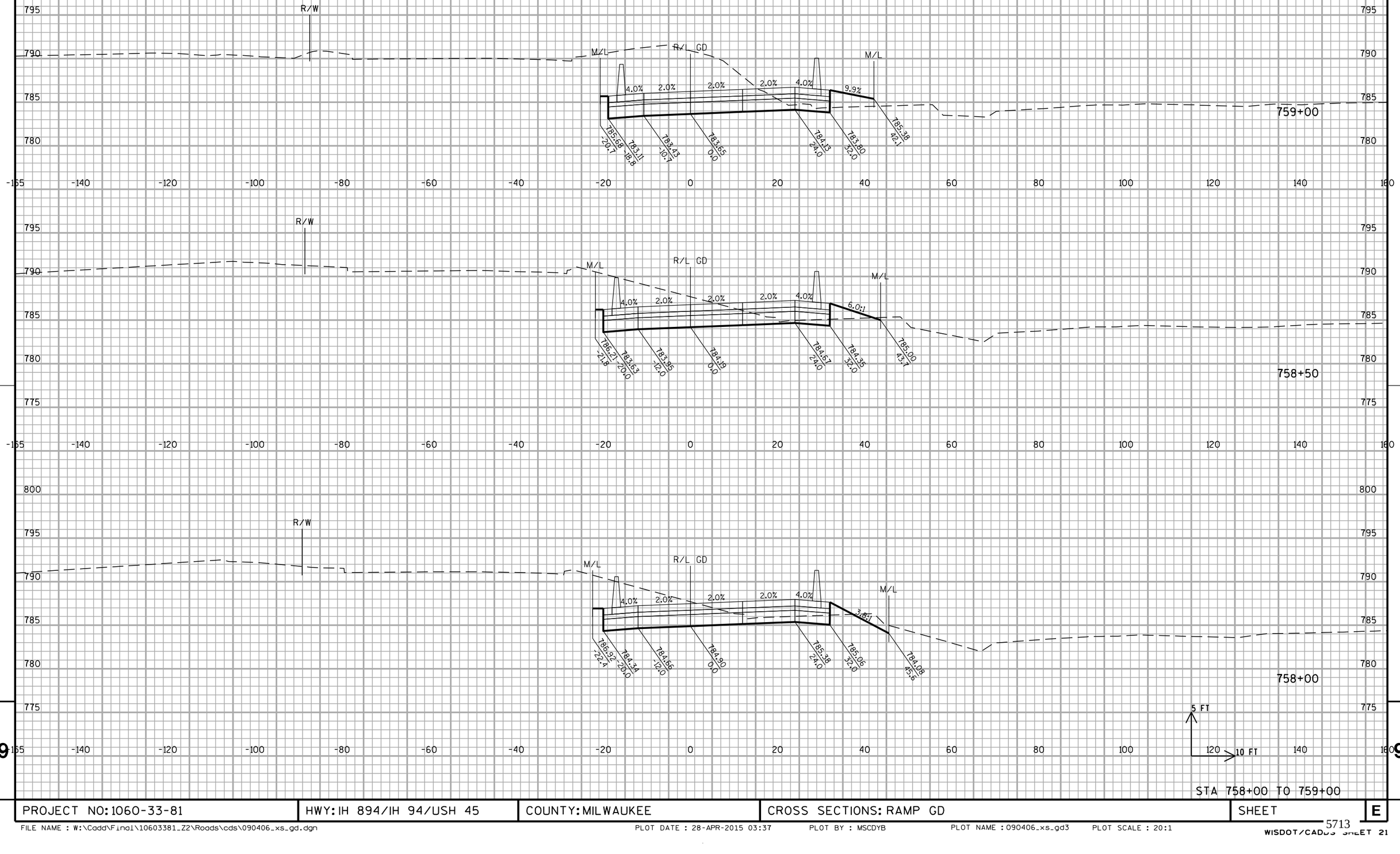


STA 757+00 TO 757+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd2 PLOT SCALE : 20:1

ALL WORK STAGE 6

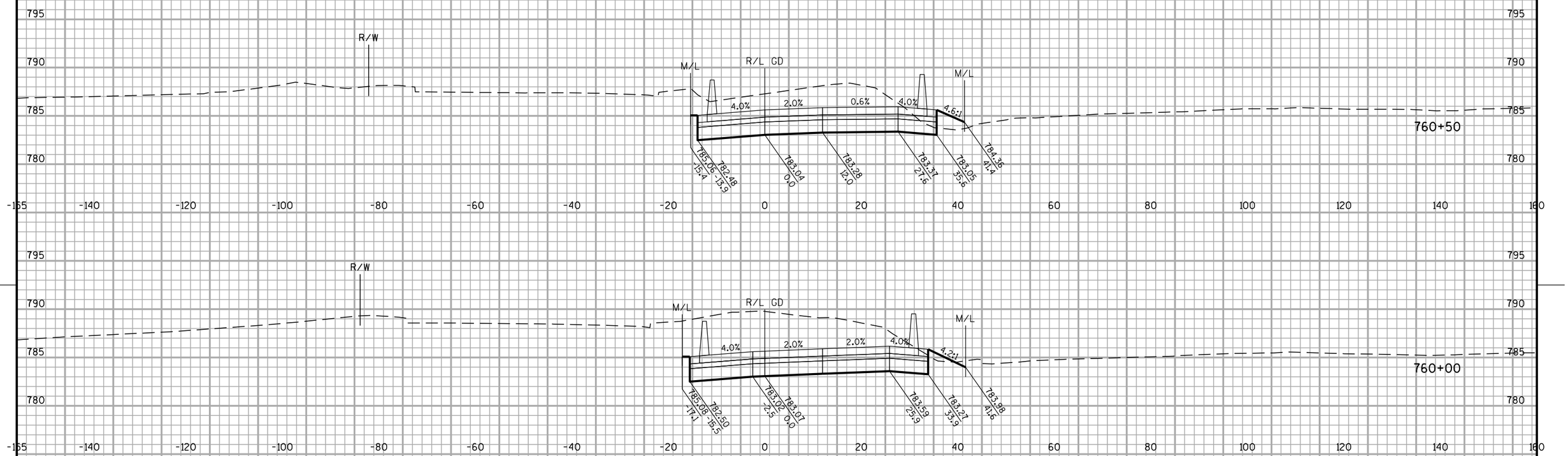


STA 758+00 TO 759+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd3 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 759+50 TO 760+50

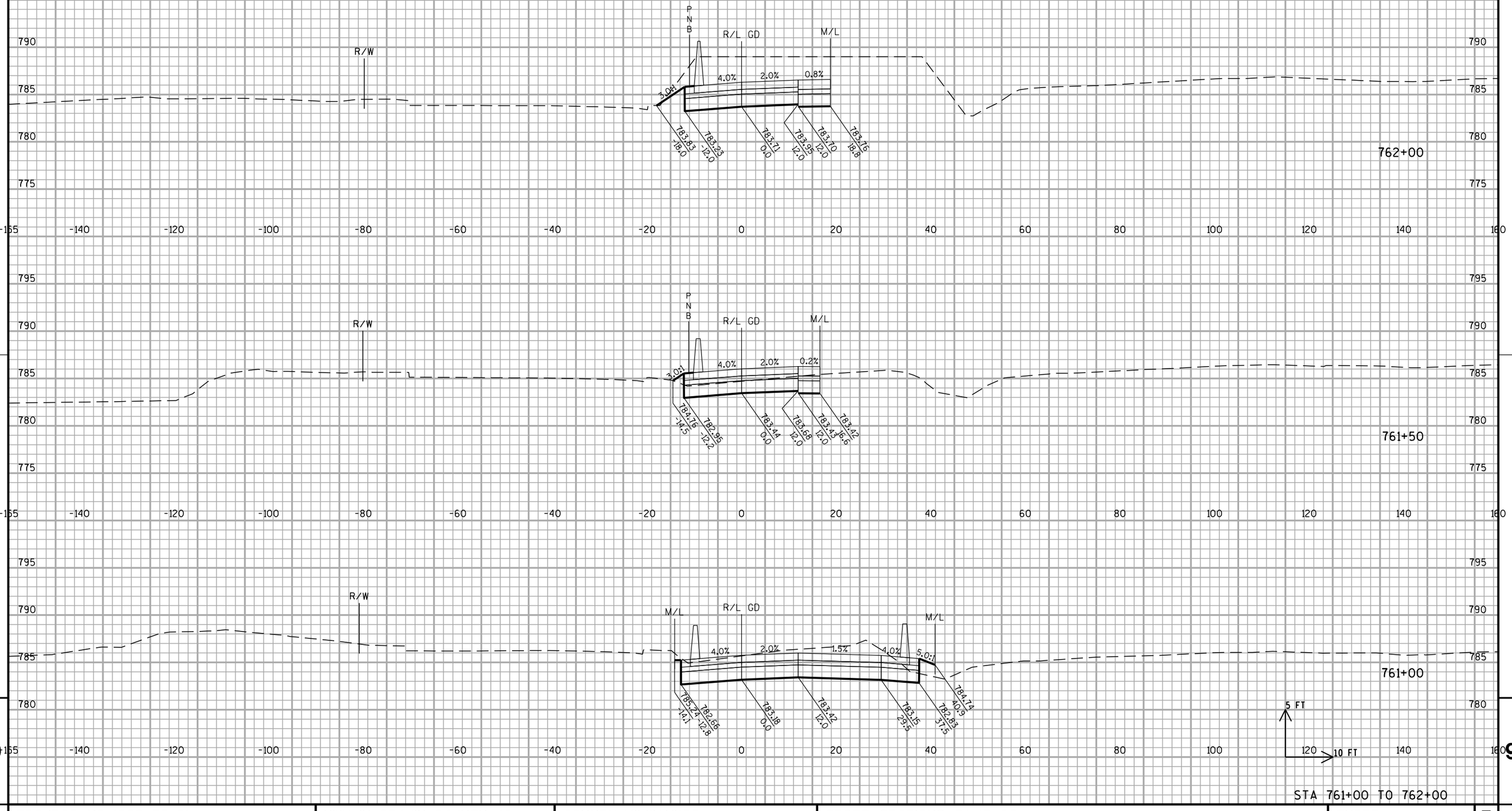
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

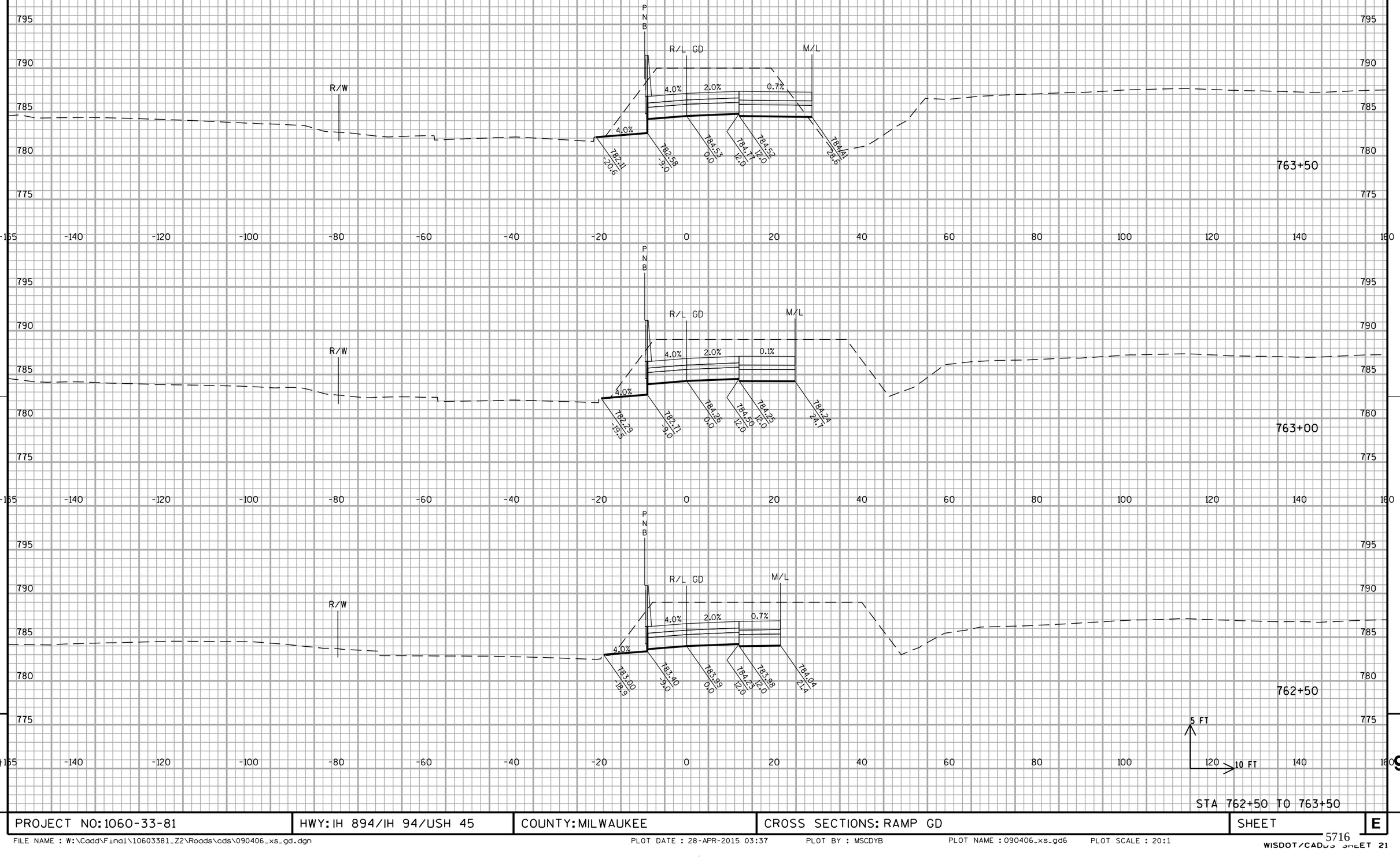


STA 761+00 TO 762+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:37 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd5 PLOT SCALE : 20:1

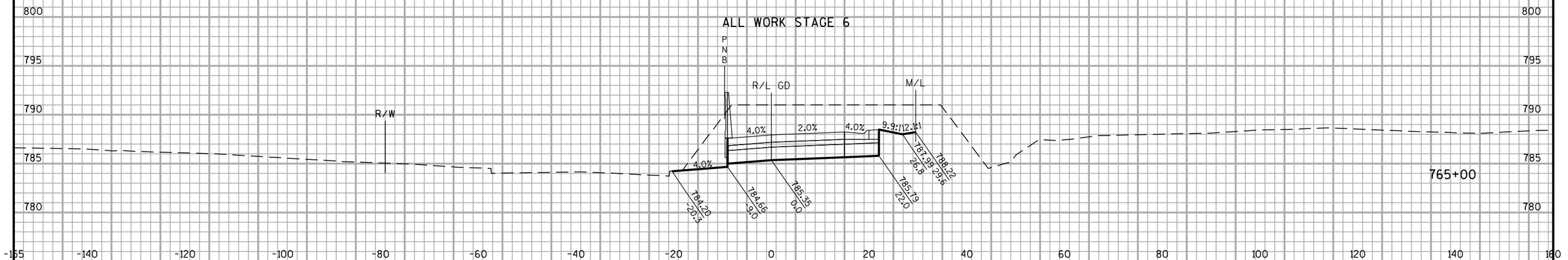
ALL WORK STAGE 6

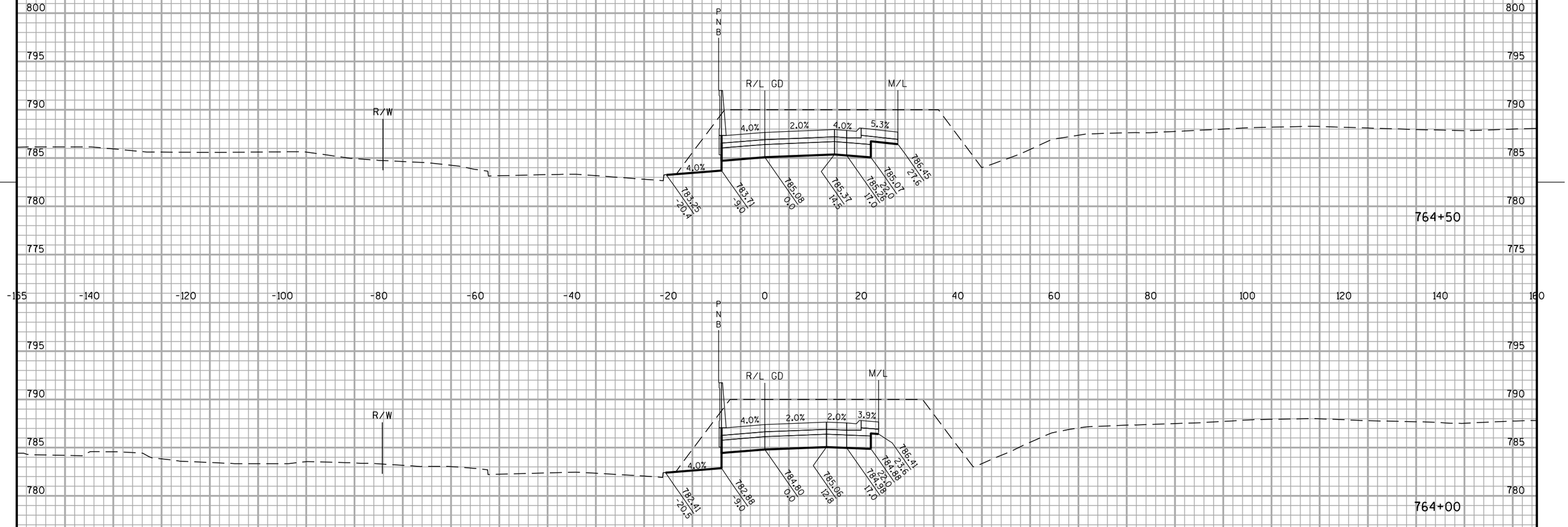


STA 762+50 TO 763+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6





STA 764+00 TO 765+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

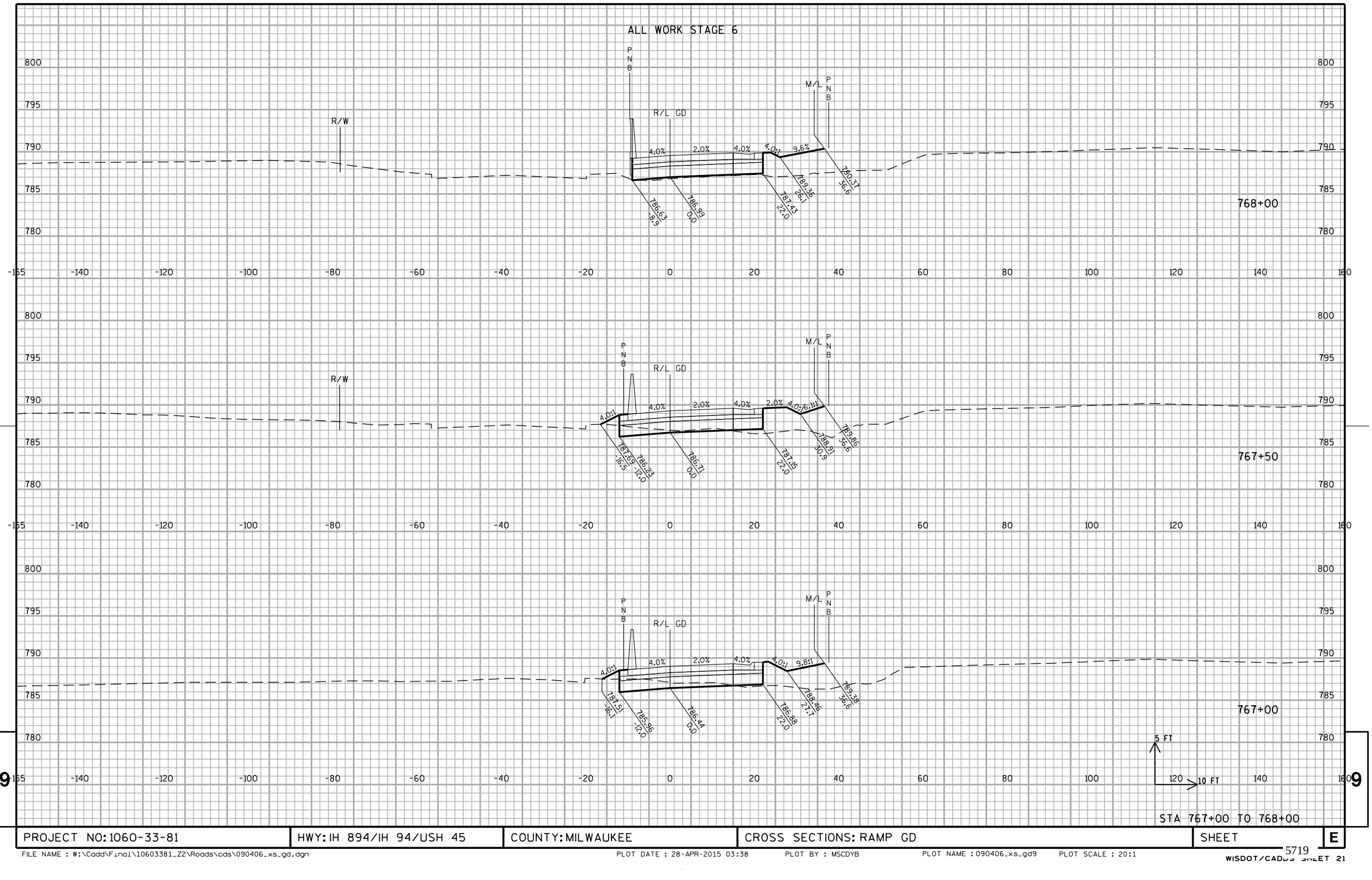
ALL WORK STAGE 6

STA 765+50 TO 766+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd8 PLOT SCALE : 20:1

ALL WORK STAGE 6



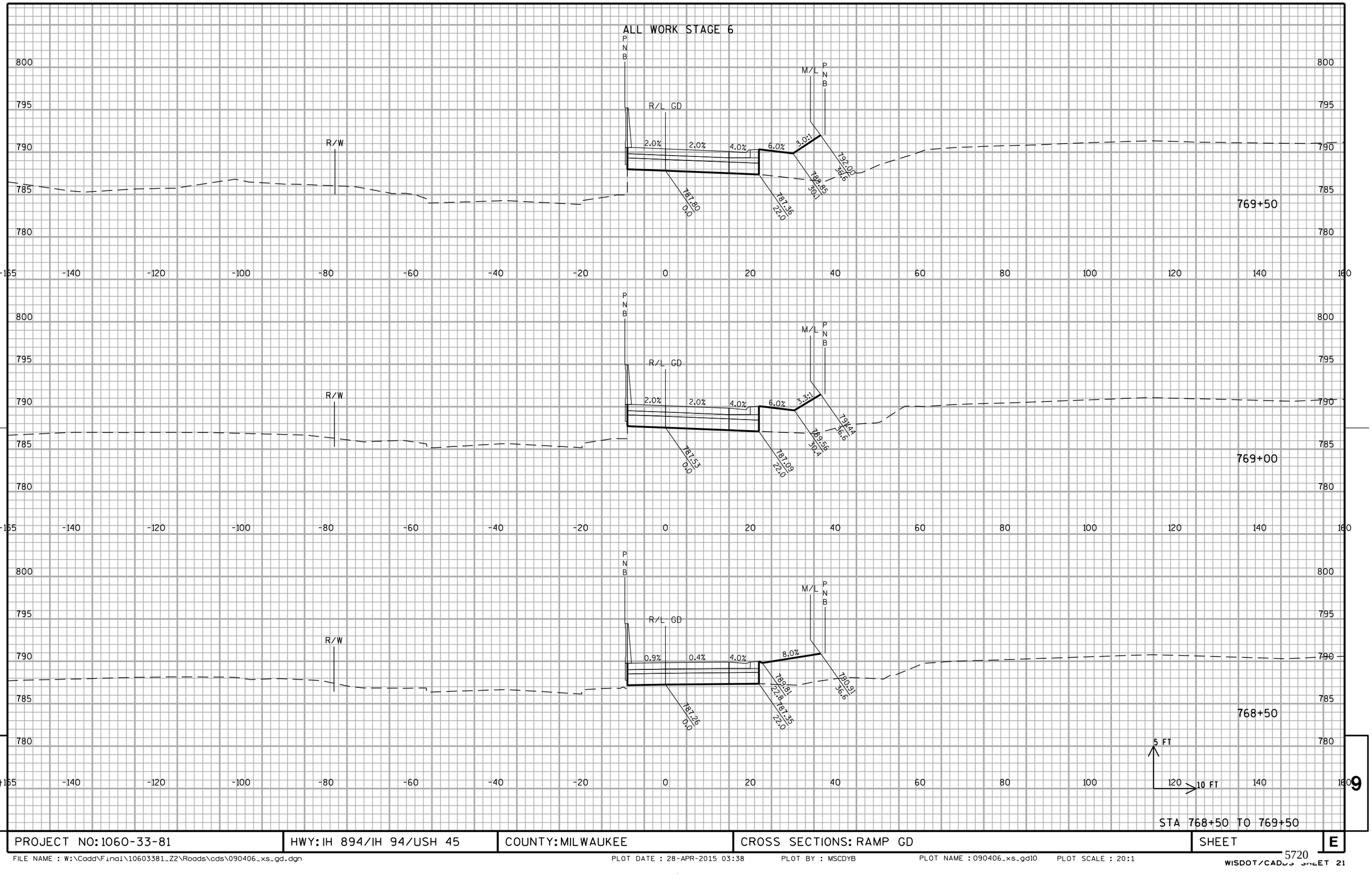
STA 767+00 TO 768+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

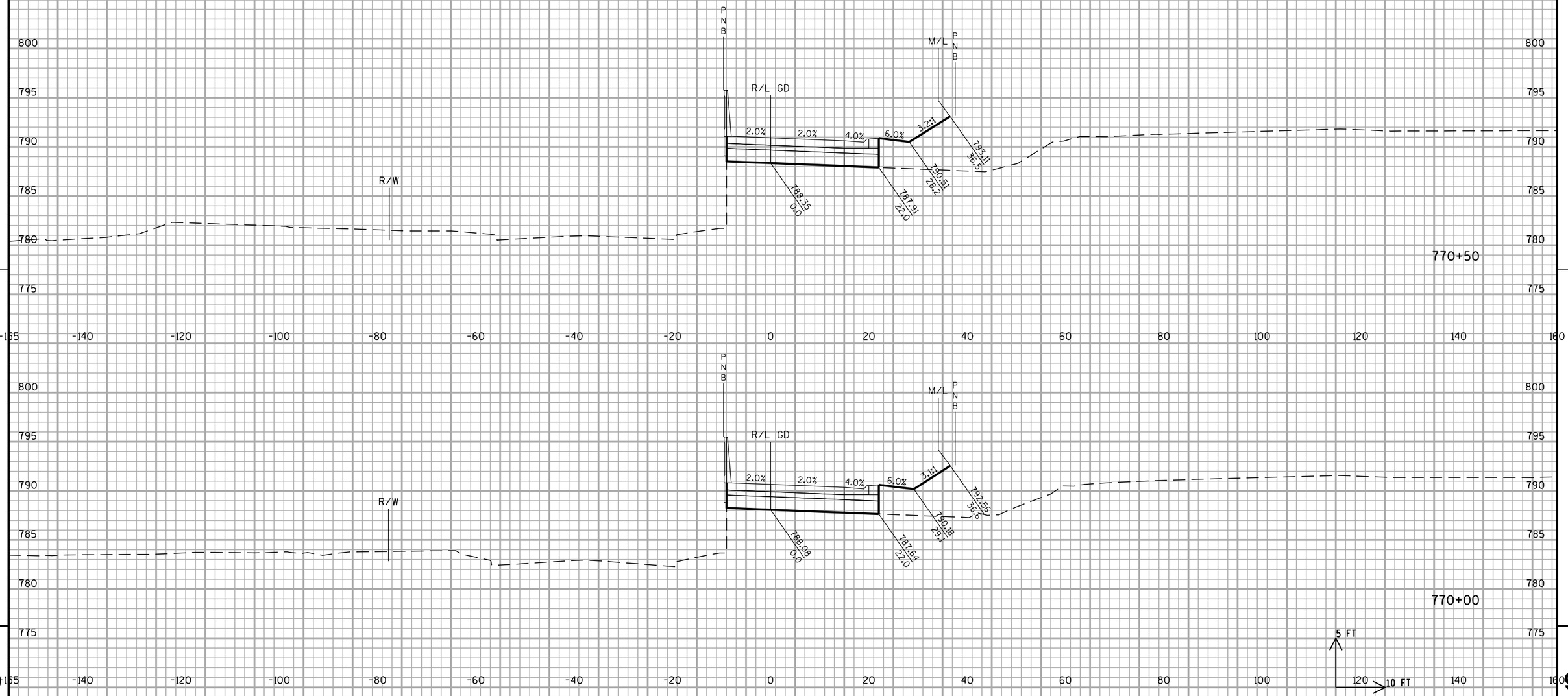


STA 768+50 TO 769+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd10 PLOT SCALE : 20:1

ALL WORK STAGE 6

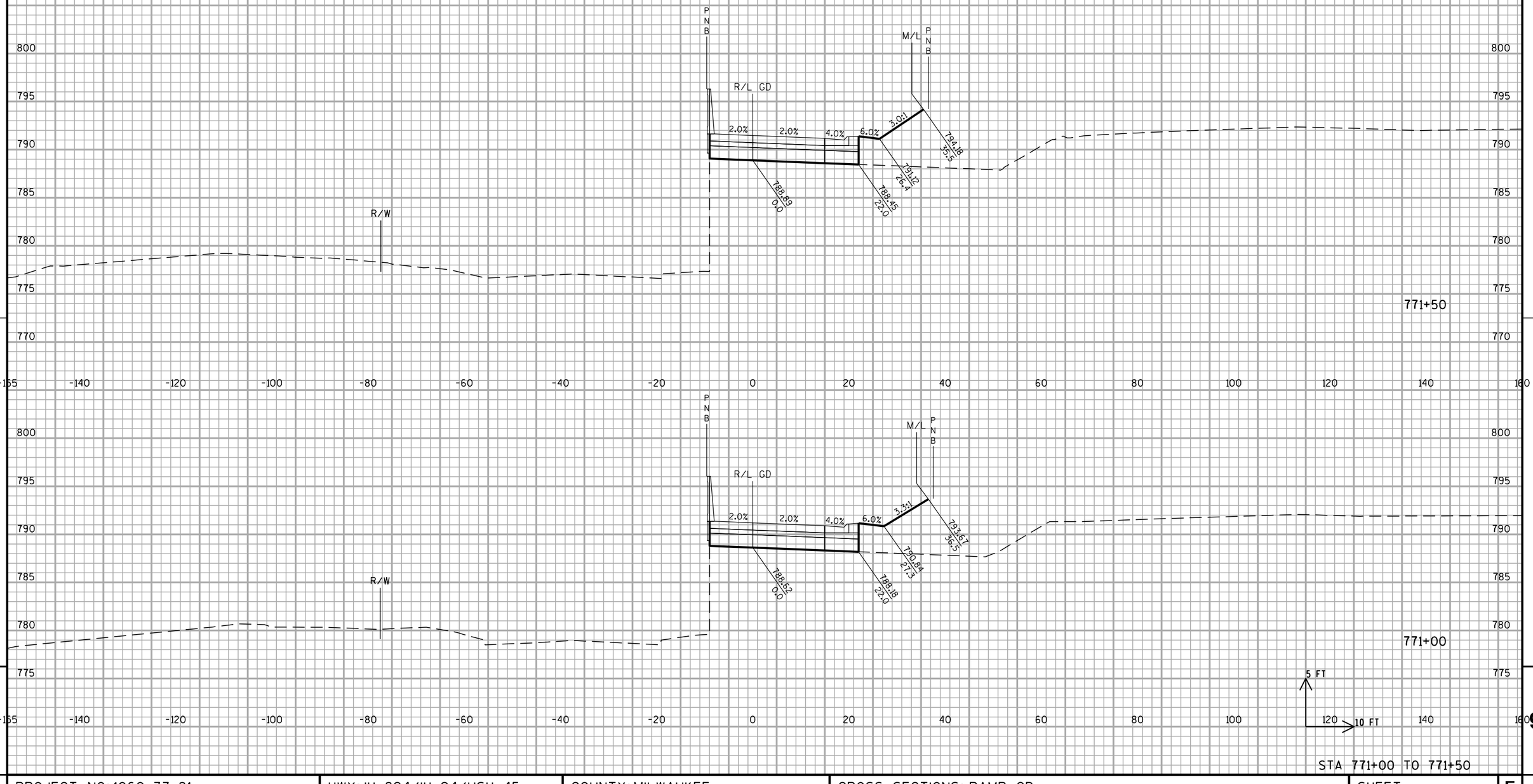


STA 770+00 TO 770+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd11 PLOT SCALE : 20:1

ALL WORK STAGE 6

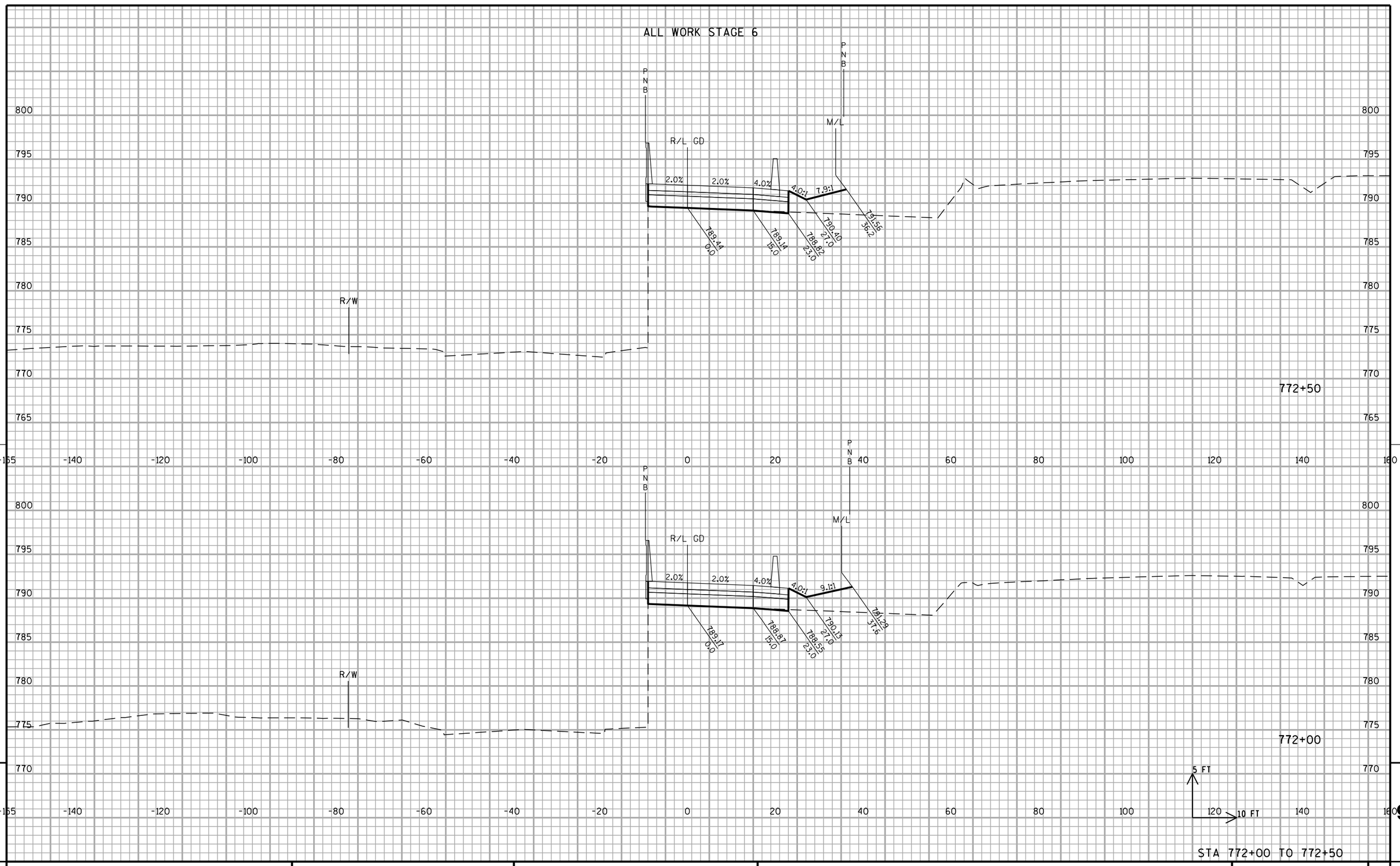


STA 771+00 TO 771+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd12 PLOT SCALE : 20:1

ALL WORK STAGE 6

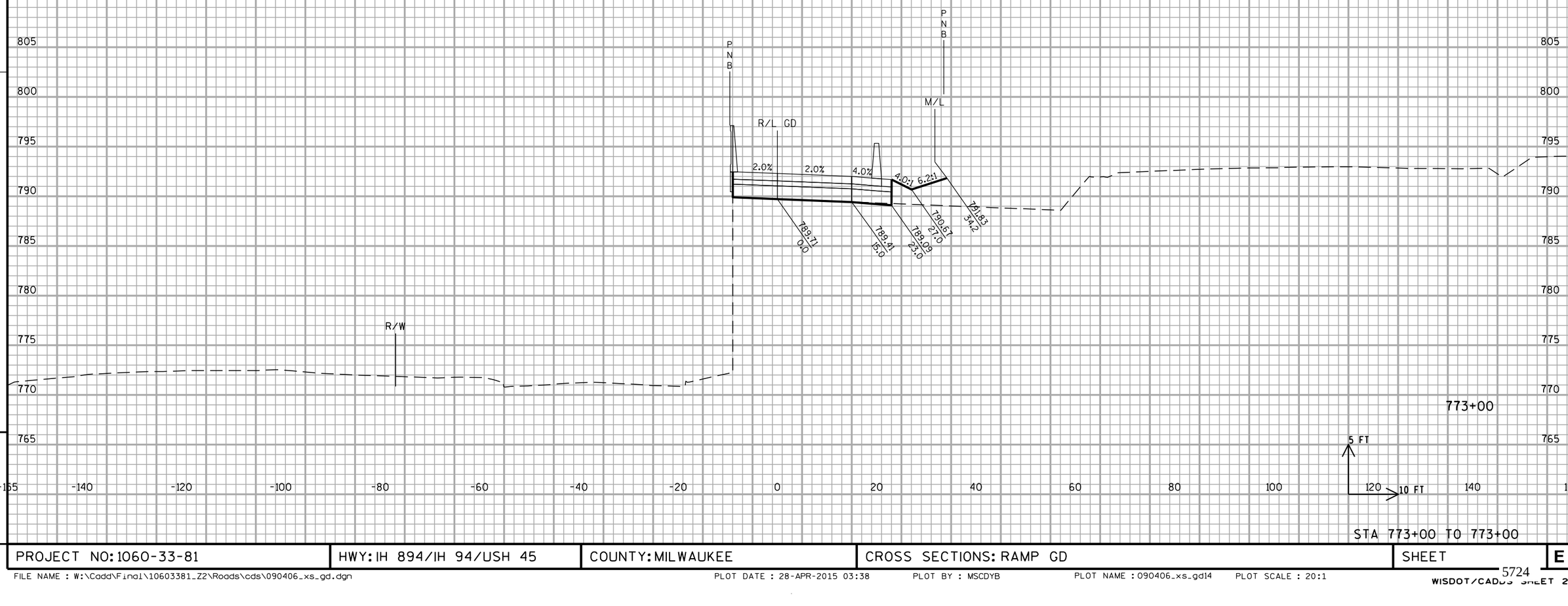


STA 772+00 TO 772+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd13 PLOT SCALE : 20:1

ALL WORK STAGE 6

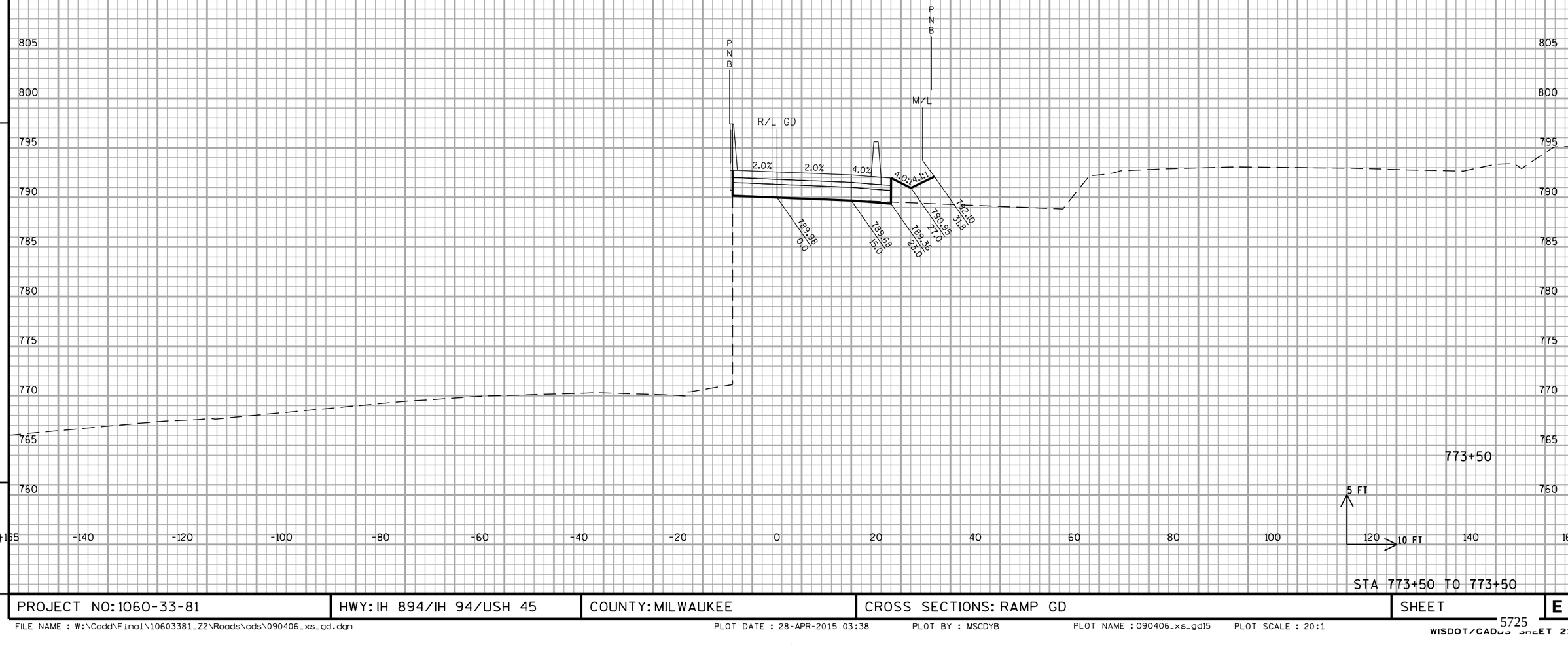


STA 773+00 TO 773+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd14 PLOT SCALE : 20:1

ALL WORK STAGE 6

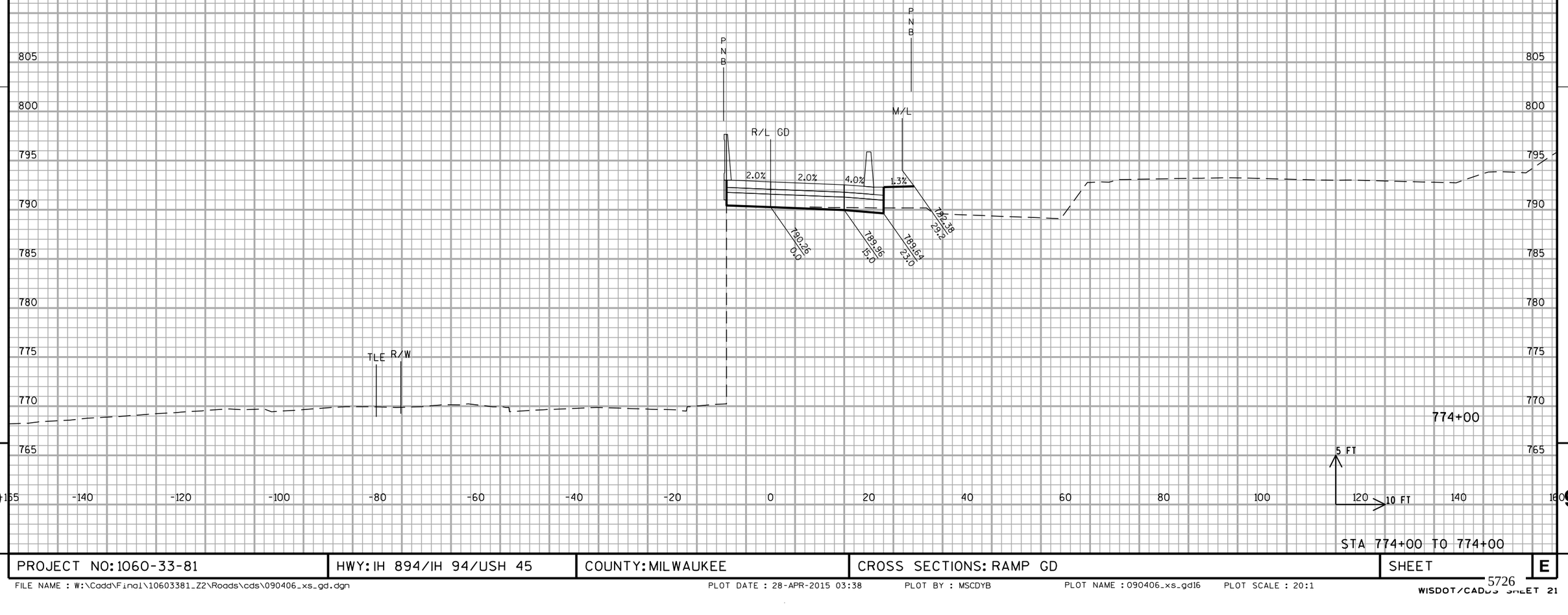


STA 773+50 TO 773+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd15 PLOT SCALE : 20:1

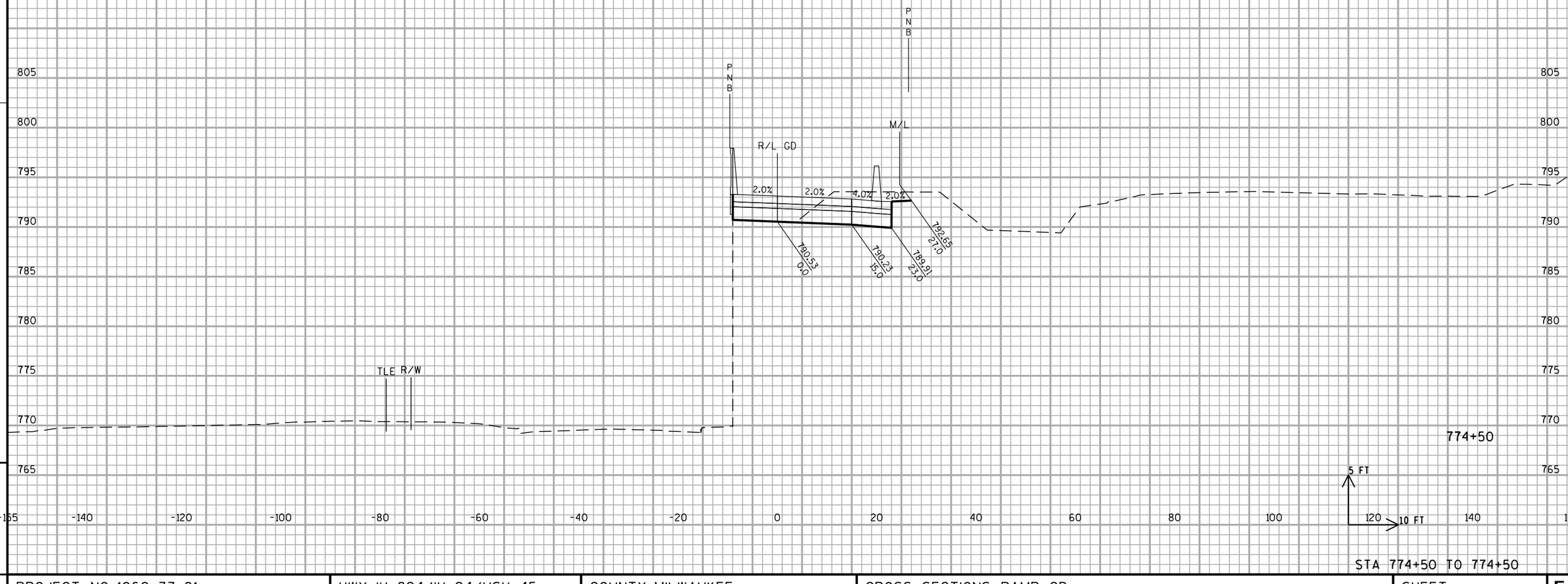
ALL WORK STAGE 6



STA 774+00 TO 774+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6



STA 774+50 TO 774+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6



STA 775+00 TO 775+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd18 PLOT SCALE : 20:1

ALL WORK STAGE 6



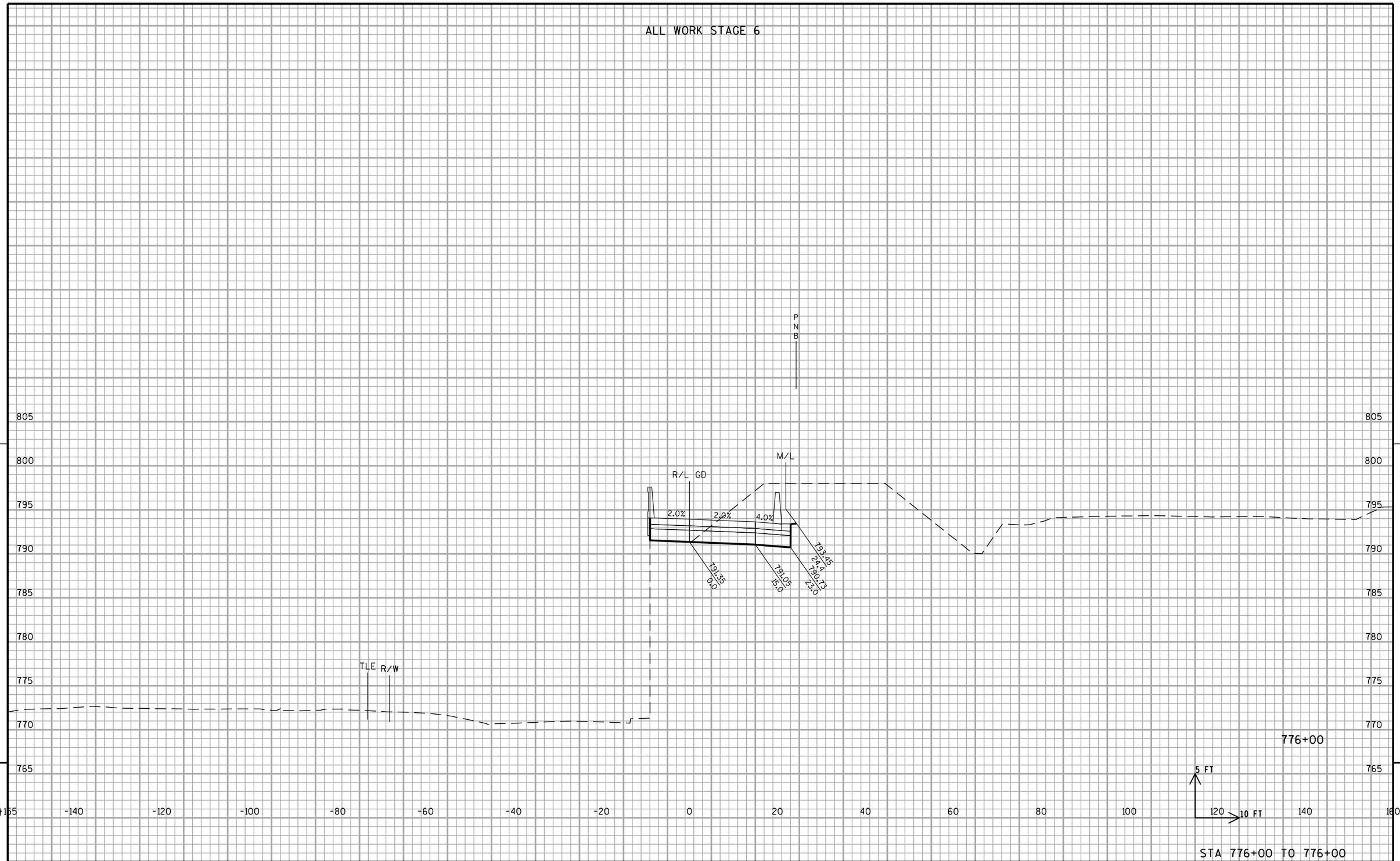
STA 775+50 TO 775+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

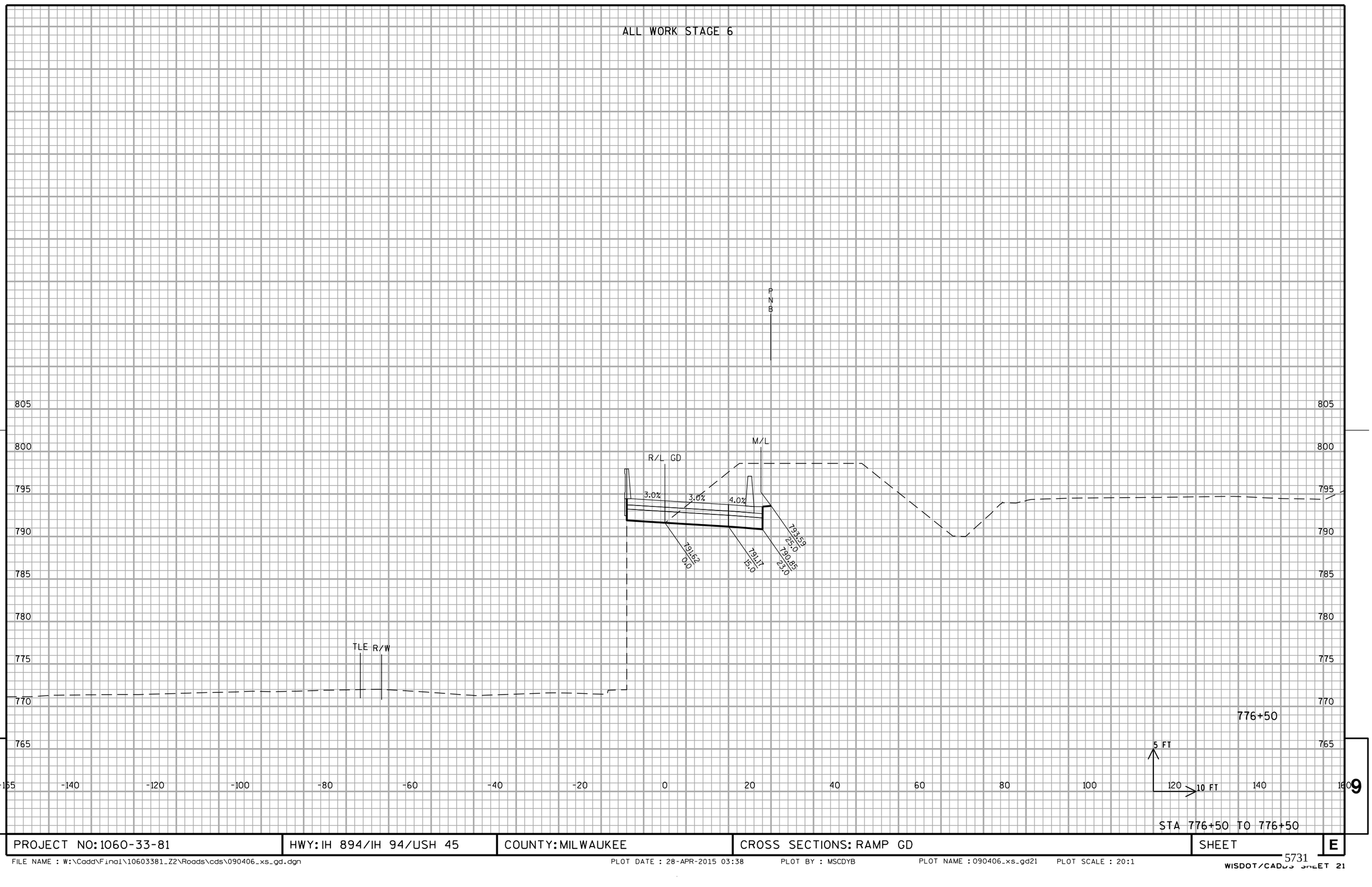
ALL WORK STAGE 6



STA 776+00 TO 776+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

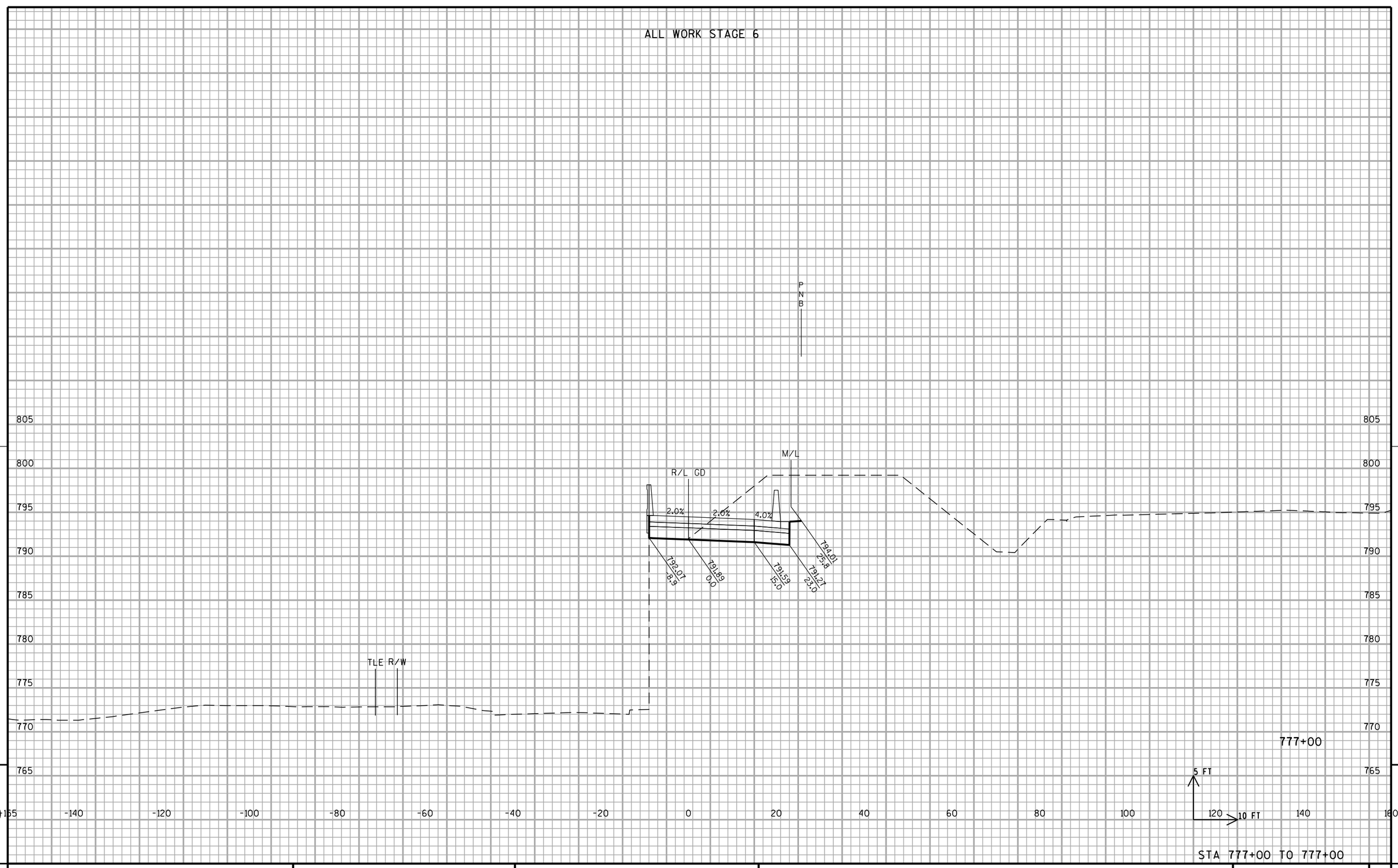
ALL WORK STAGE 6



STA 776+50 TO 776+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6

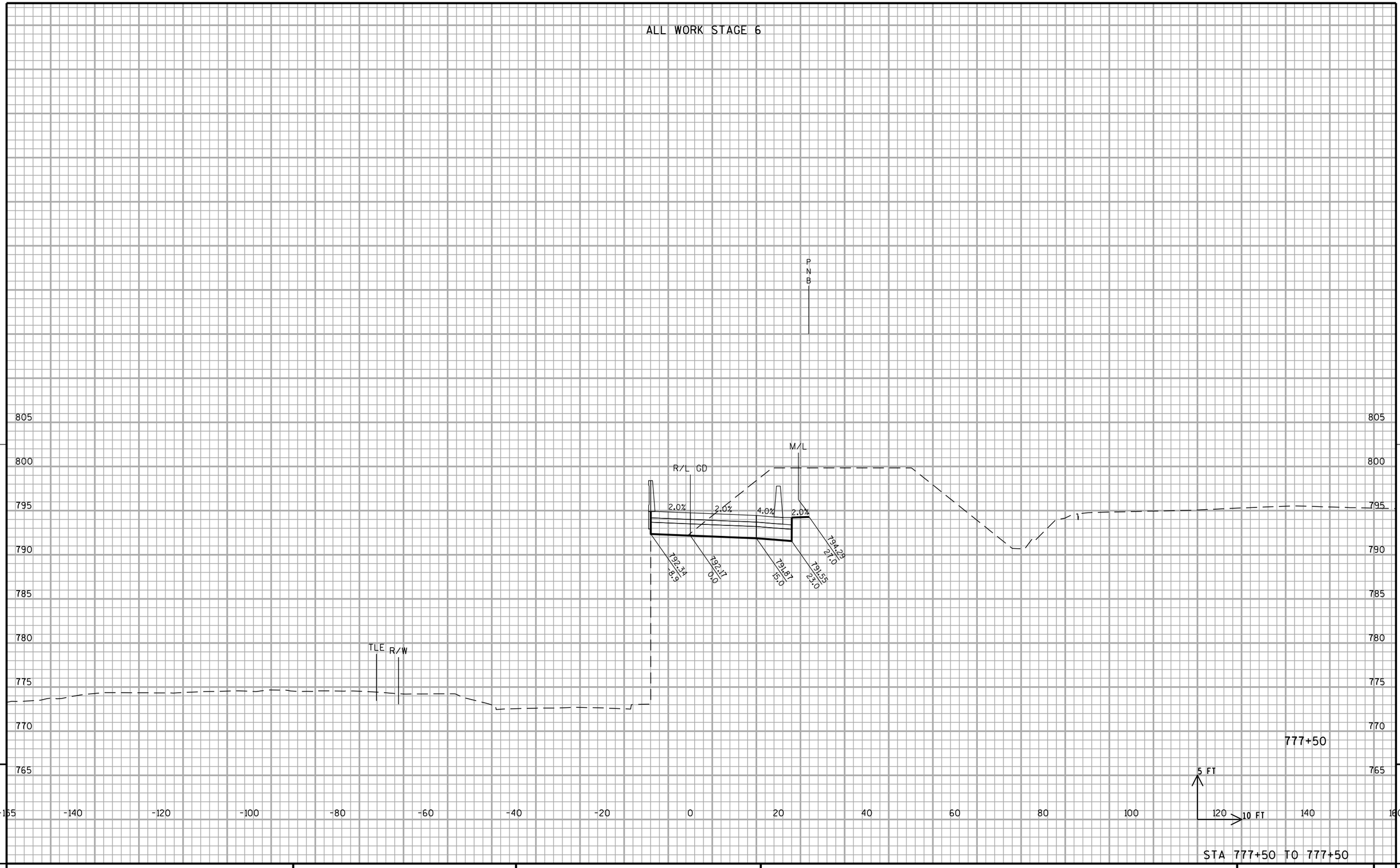


STA 777+00 TO 777+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd22 PLOT SCALE : 20:1

ALL WORK STAGE 6

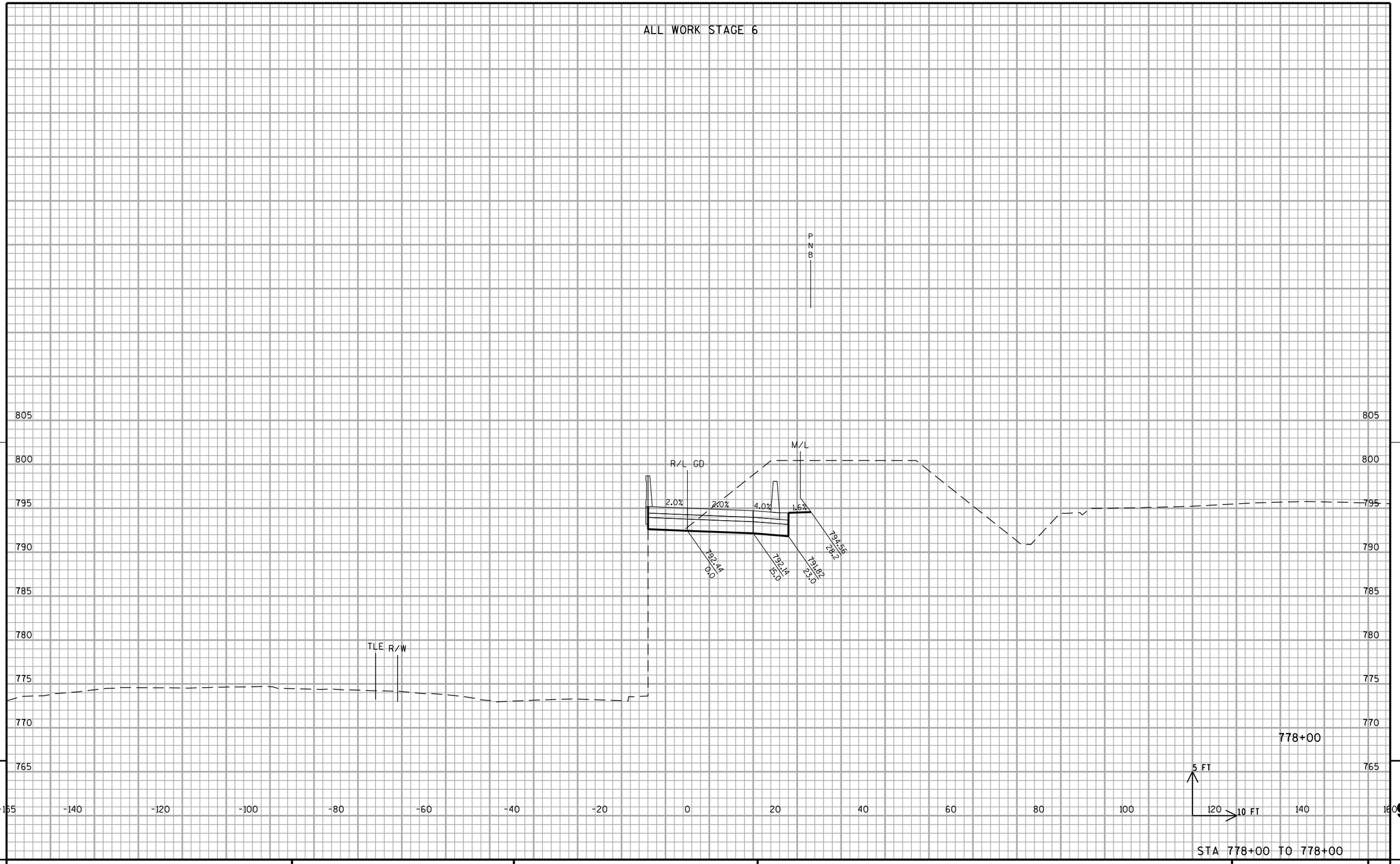


STA 777+50 TO 777+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd23 PLOT SCALE : 20:1

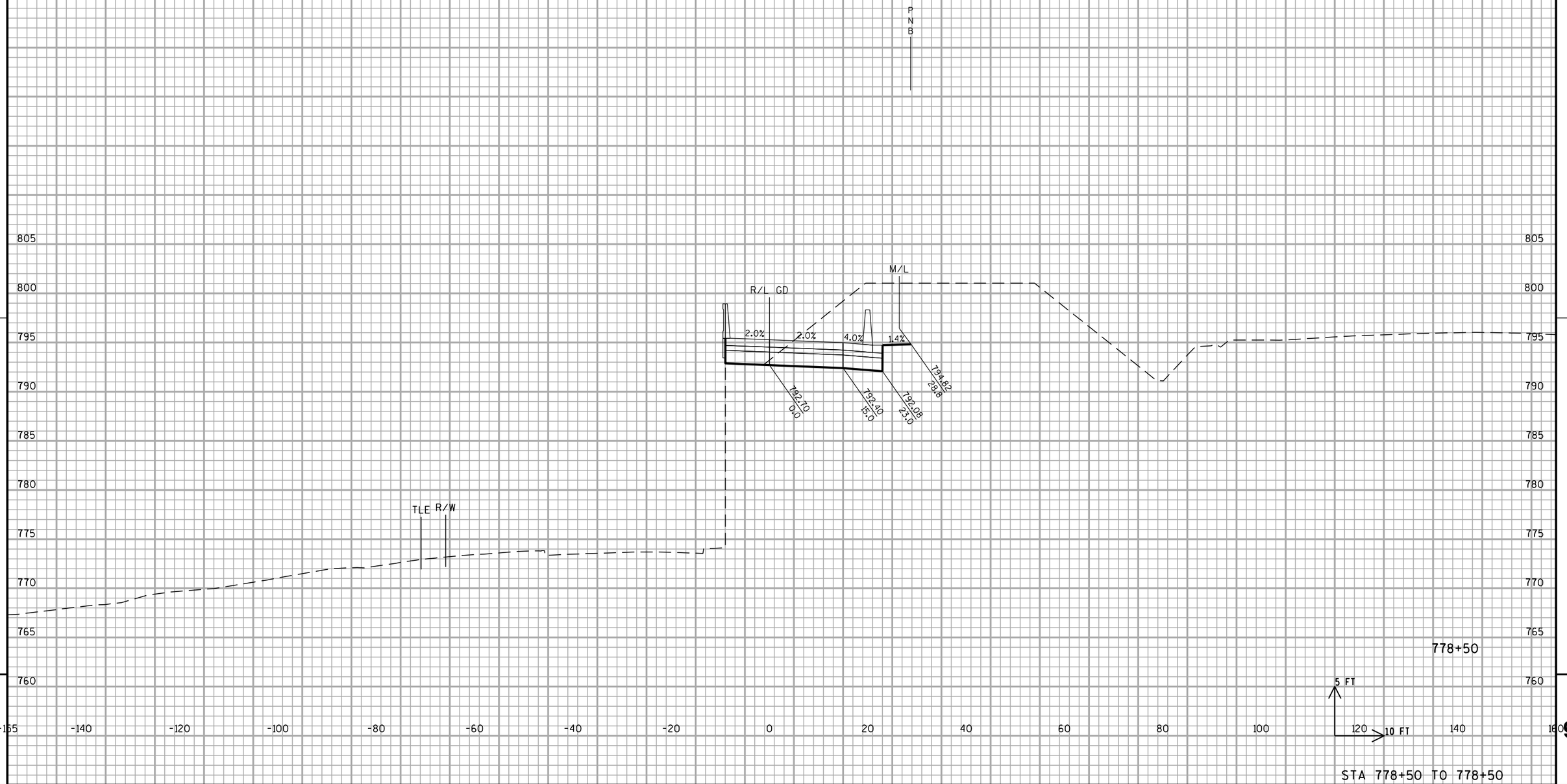
ALL WORK STAGE 6



STA 778+00 TO 778+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

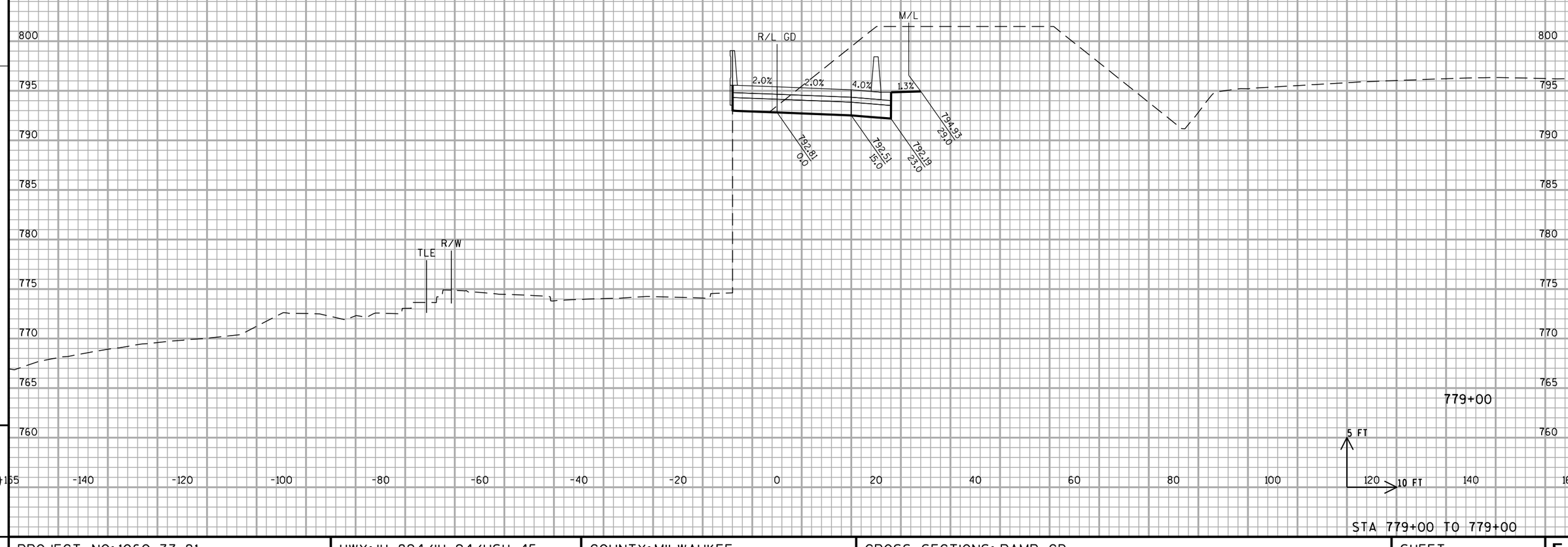
ALL WORK STAGE 6



STA 778+50 TO 778+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6



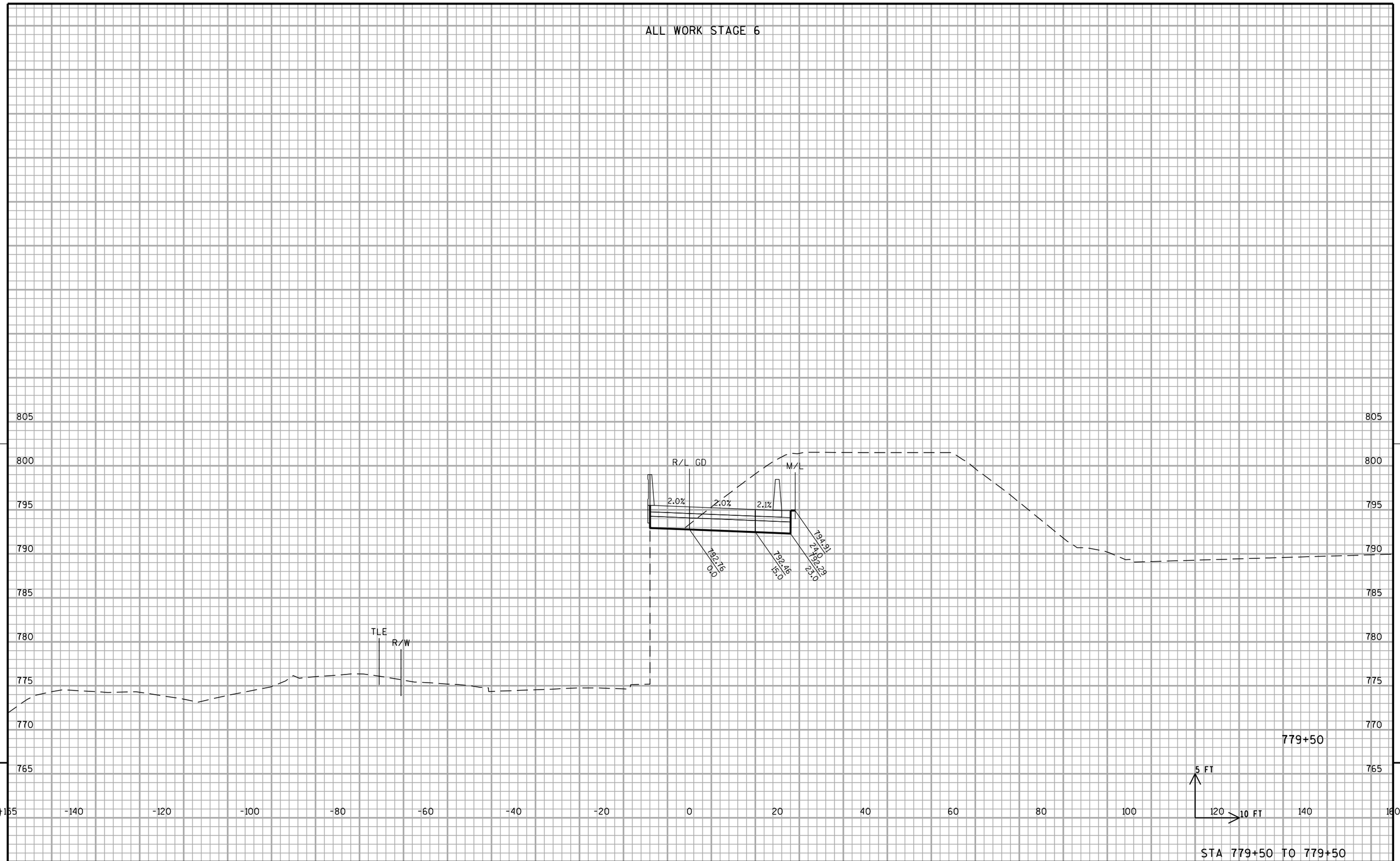
STA 779+00 TO 779+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

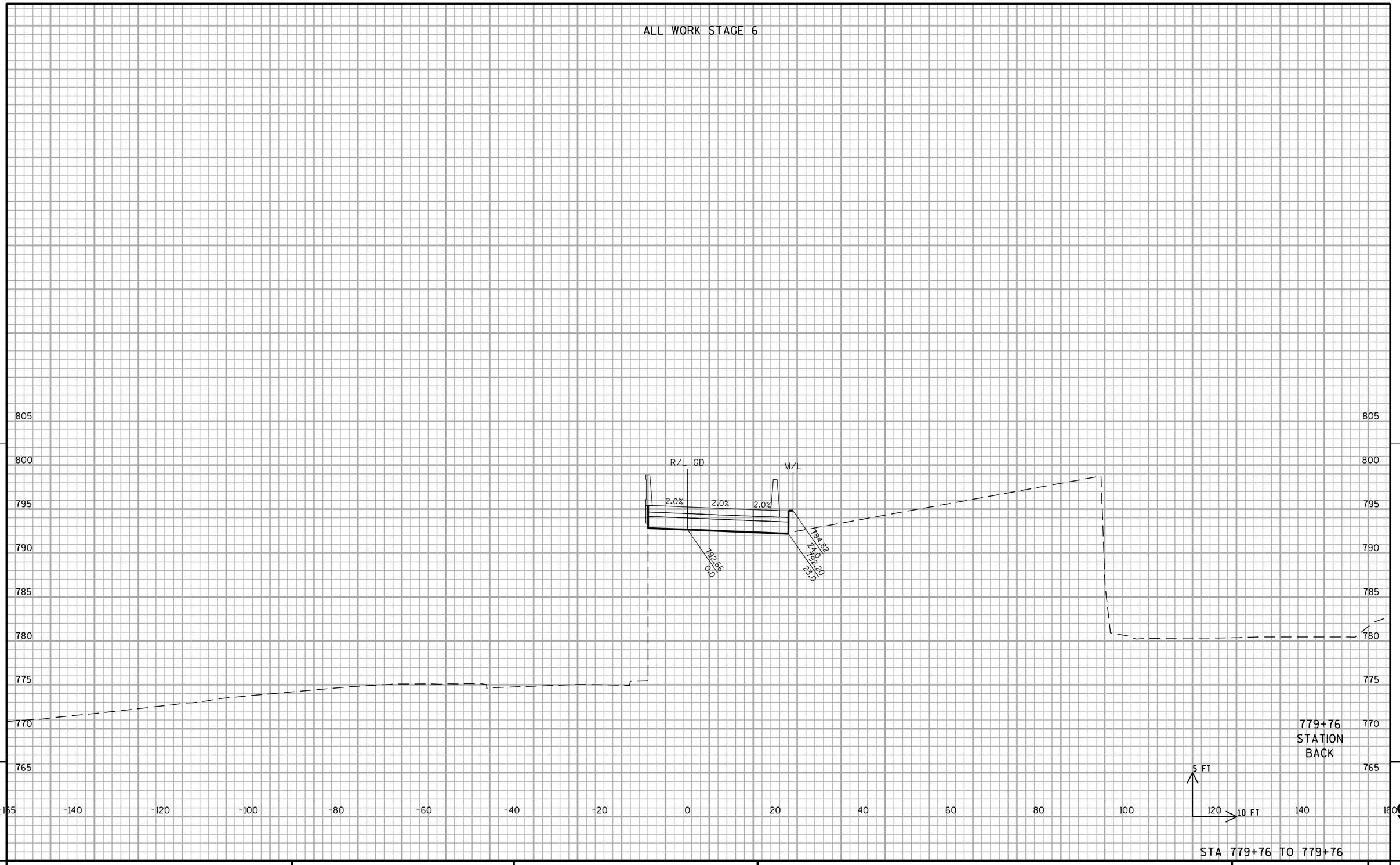


STA 779+50 TO 779+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd27 PLOT SCALE : 20:1

ALL WORK STAGE 6

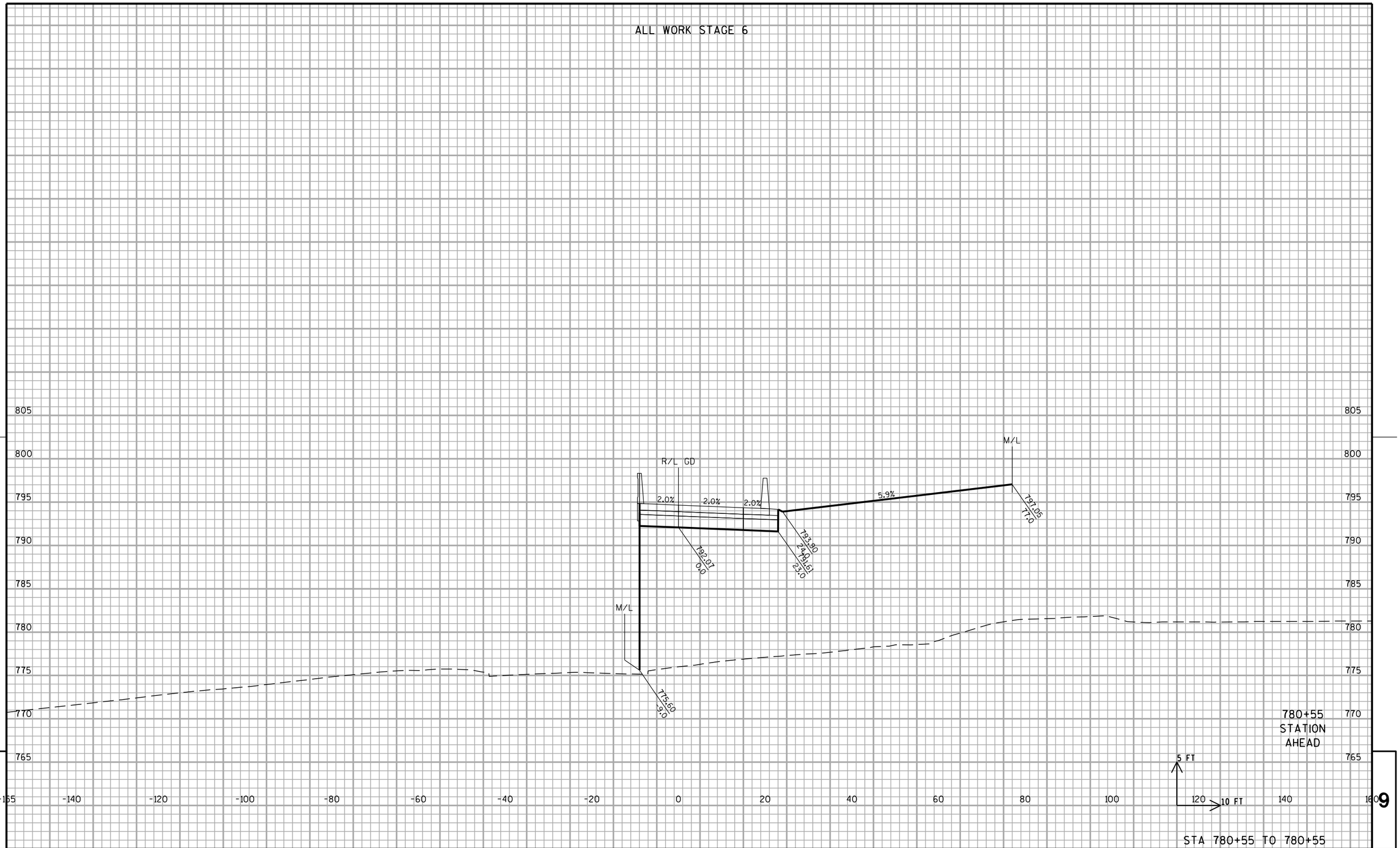


STA 779+76 TO 779+76

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd28 PLOT SCALE : 20:1

ALL WORK STAGE 6

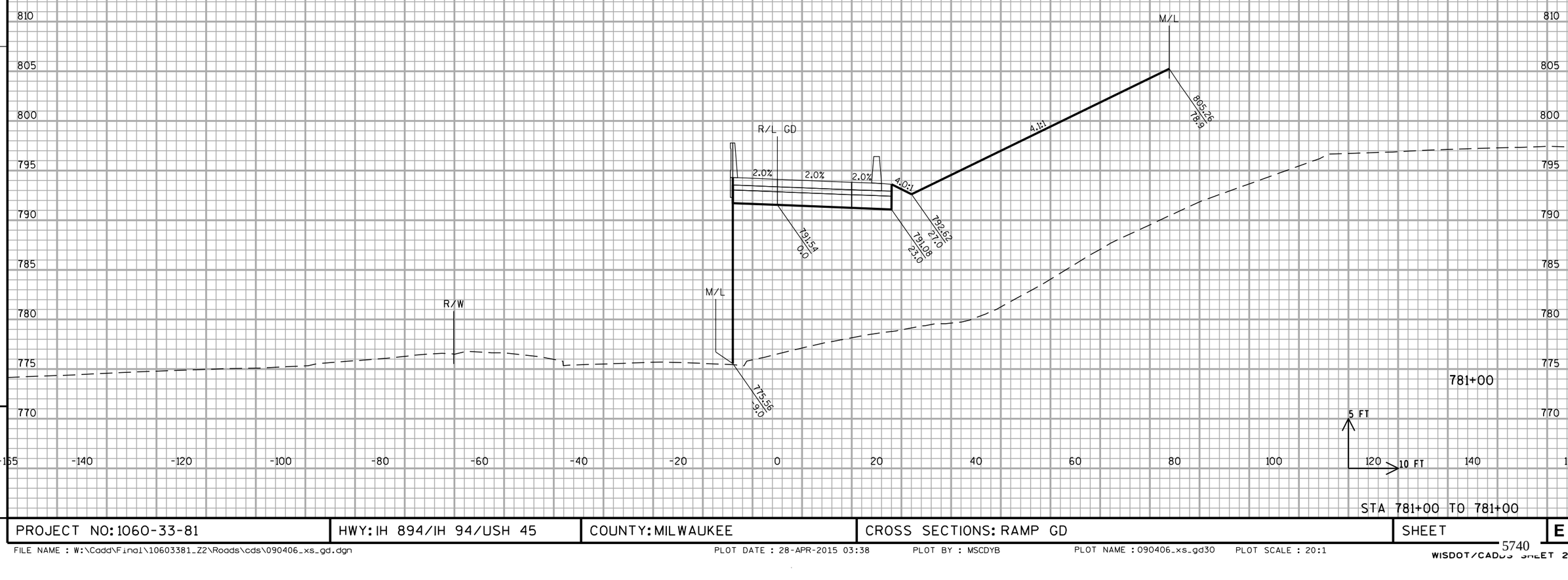


STA 780+55 TO 780+55

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_GD.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090406_xs_GD29 PLOT SCALE : 20:1

ALL WORK STAGE 6



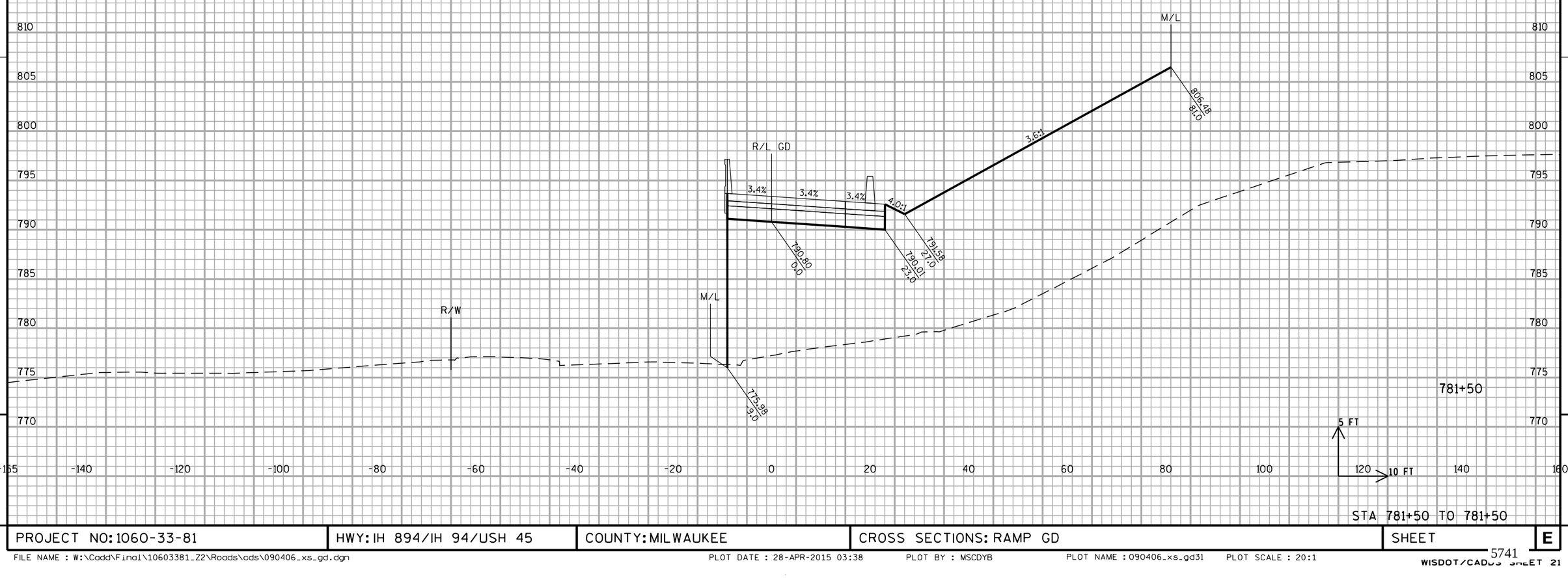
STA 781+00 TO 781+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd30 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



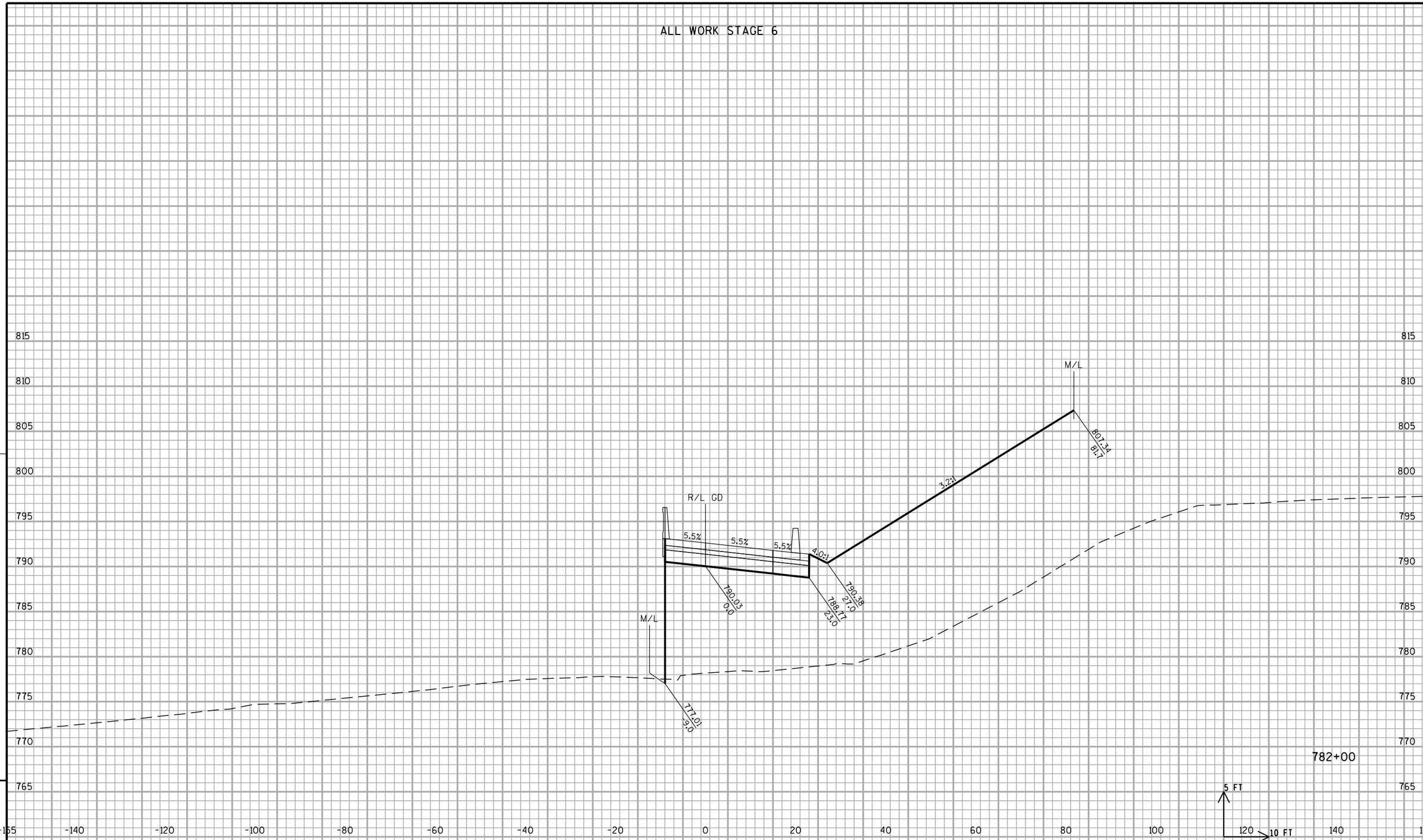
STA 781+50 TO 781+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd31 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

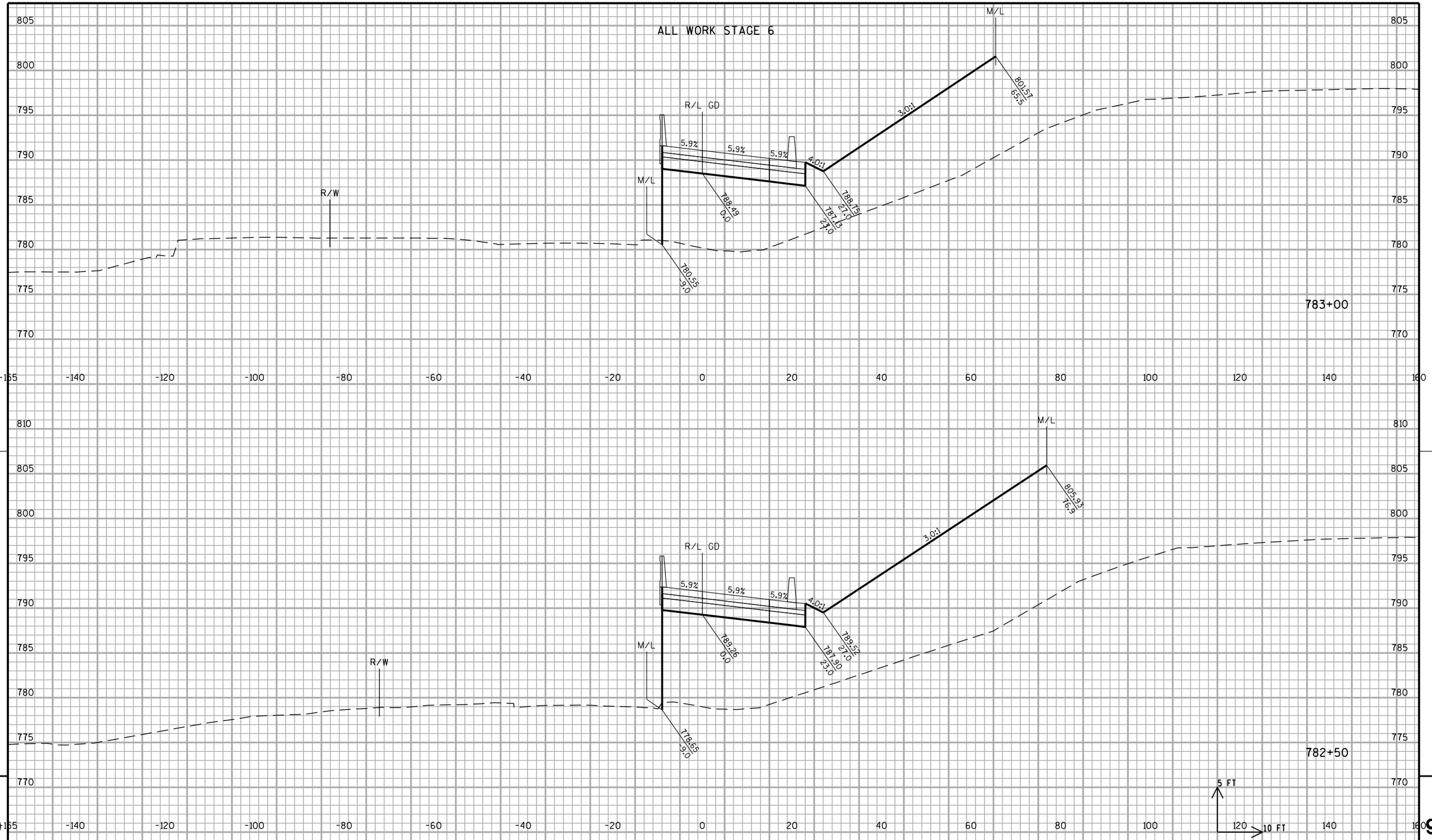
ALL WORK STAGE 6



STA 782+00 TO 782+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6

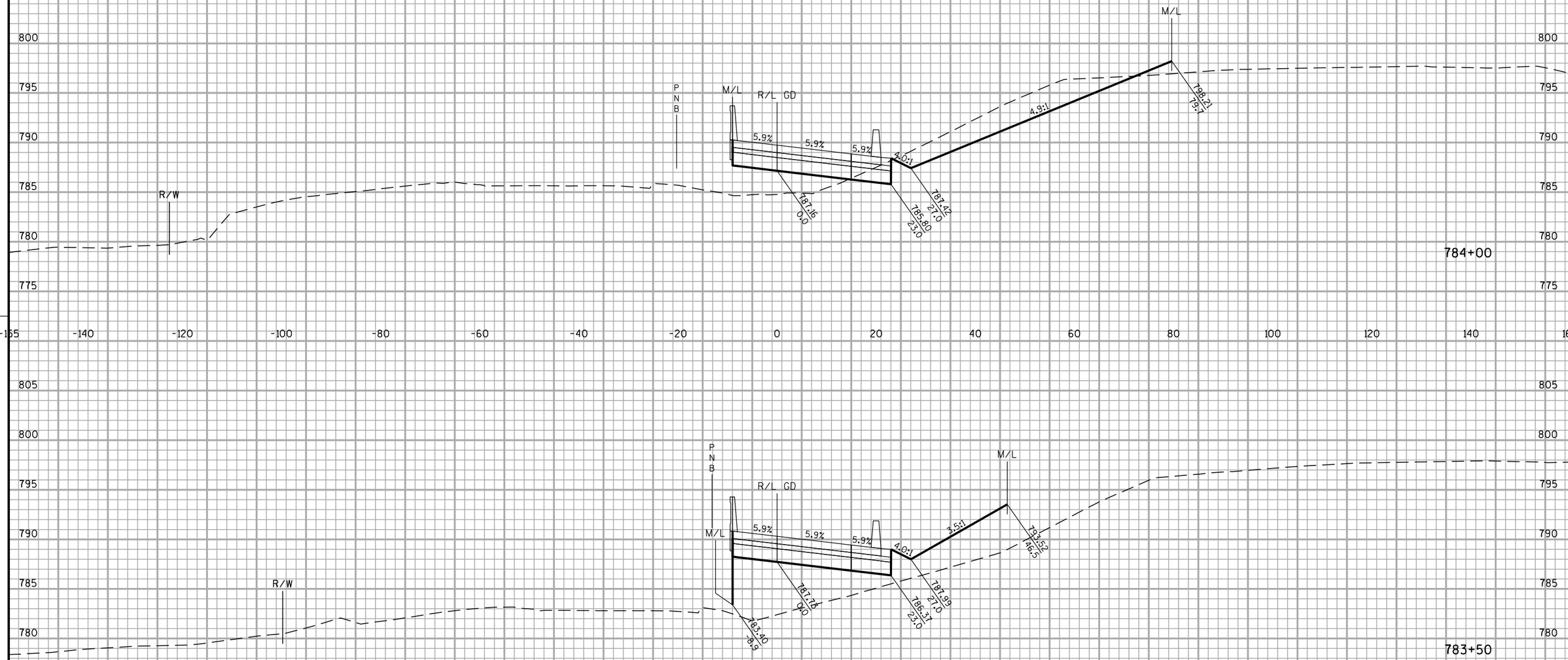


STA 782+50 TO 783+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd33 PLOT SCALE : 20:1

ALL WORK STAGE 6

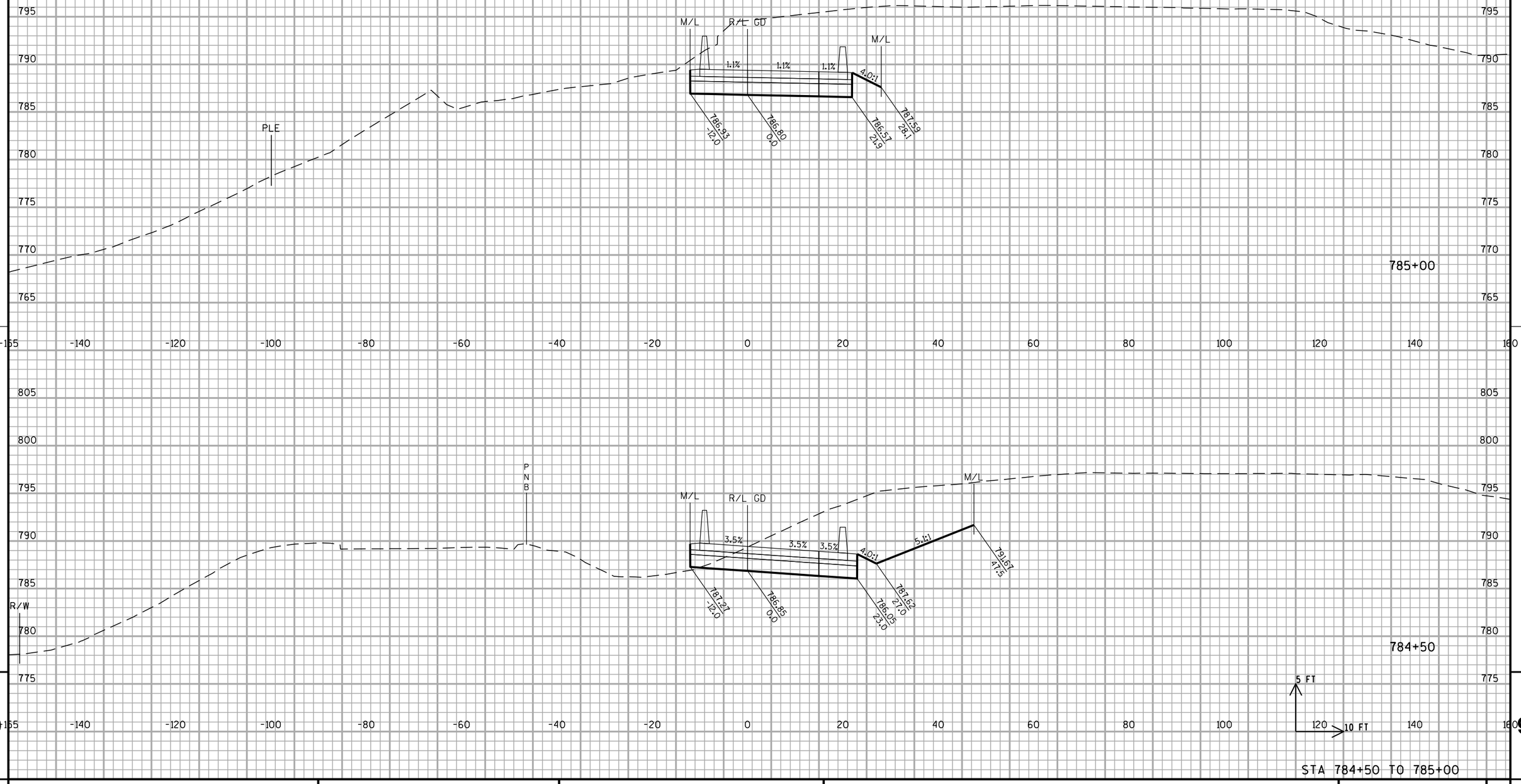


STA 783+50 TO 784+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd34 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

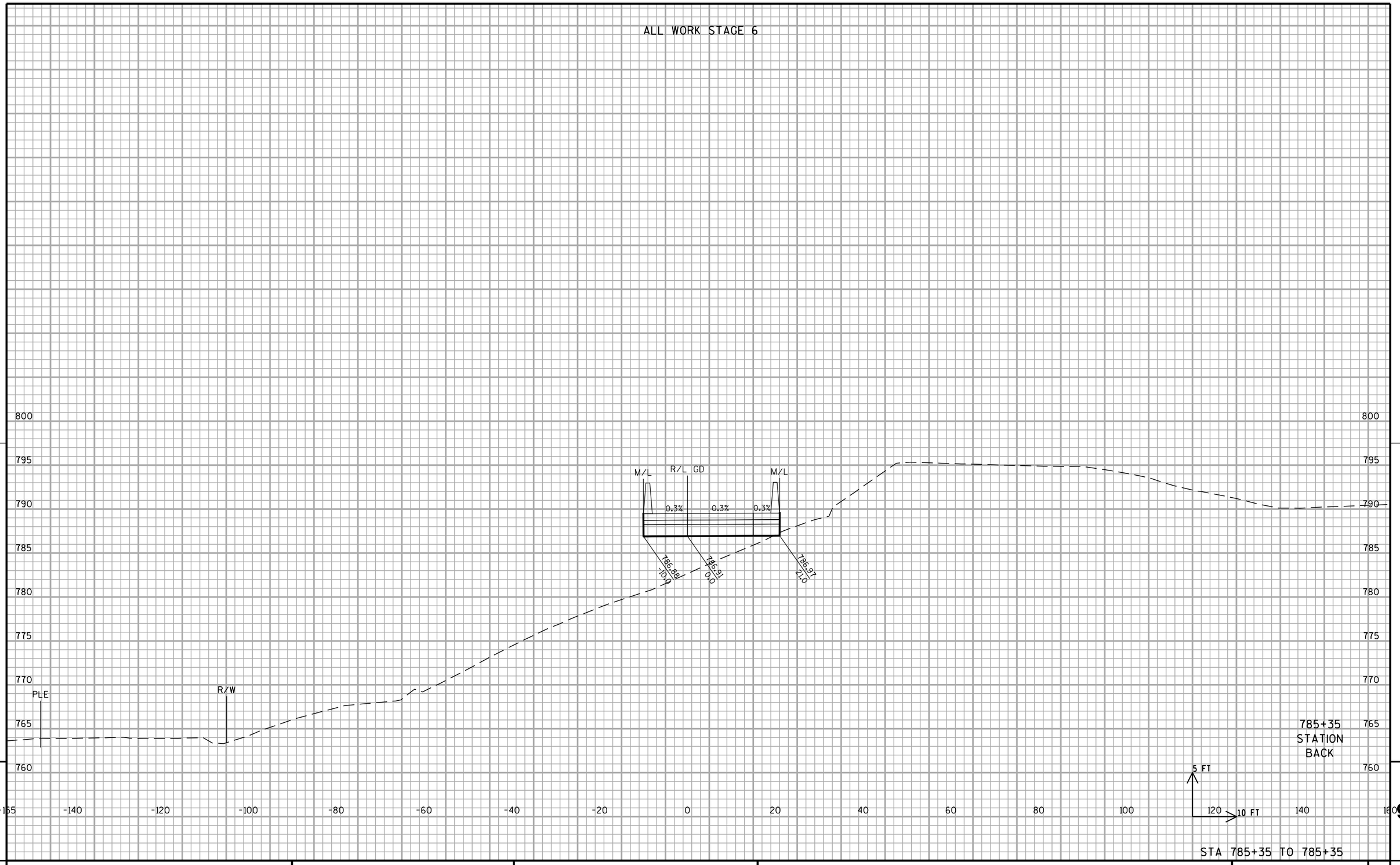
ALL WORK STAGE 6



STA 784+50 TO 785+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

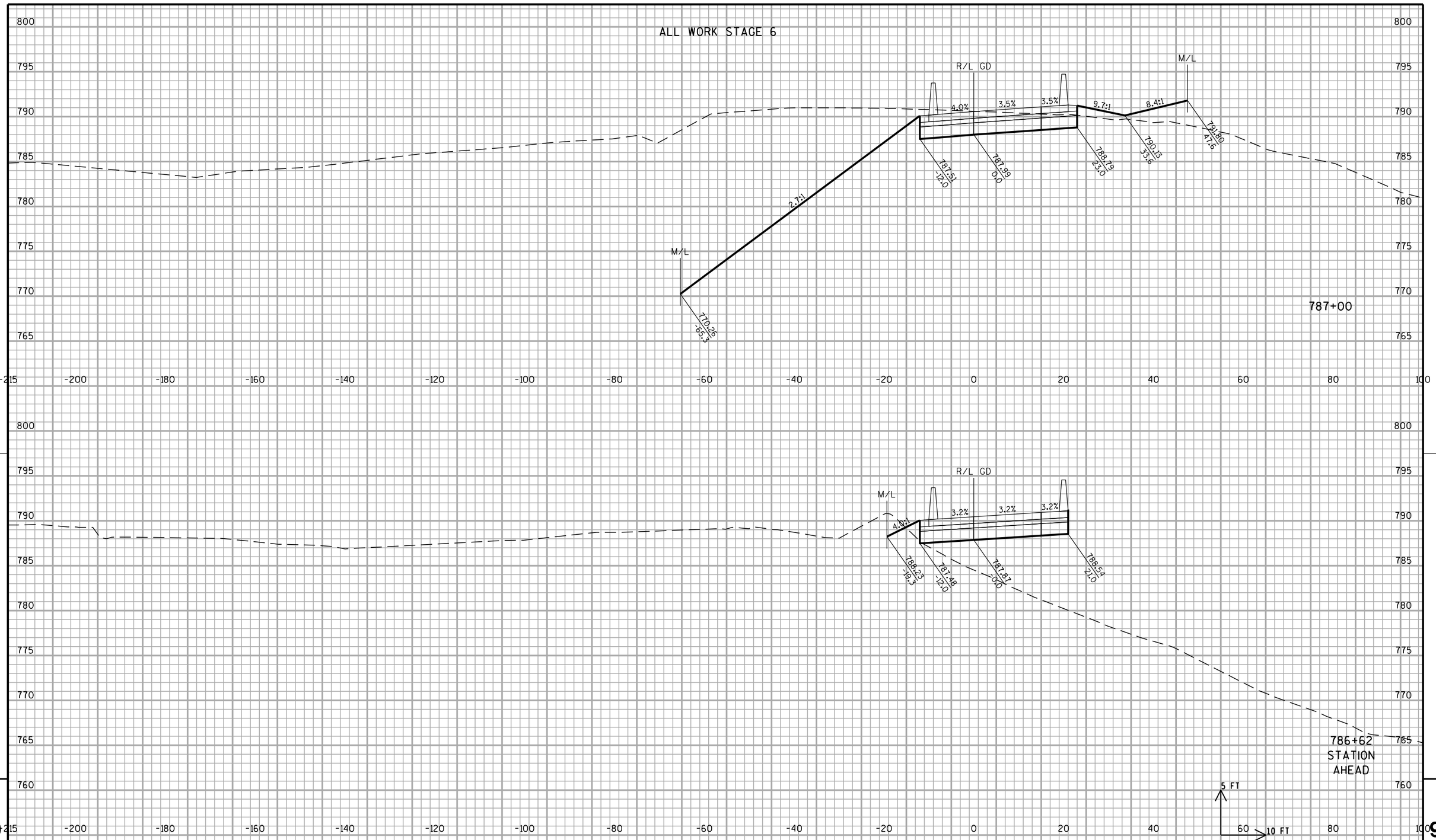
ALL WORK STAGE 6



STA 785+35 TO 785+35

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6

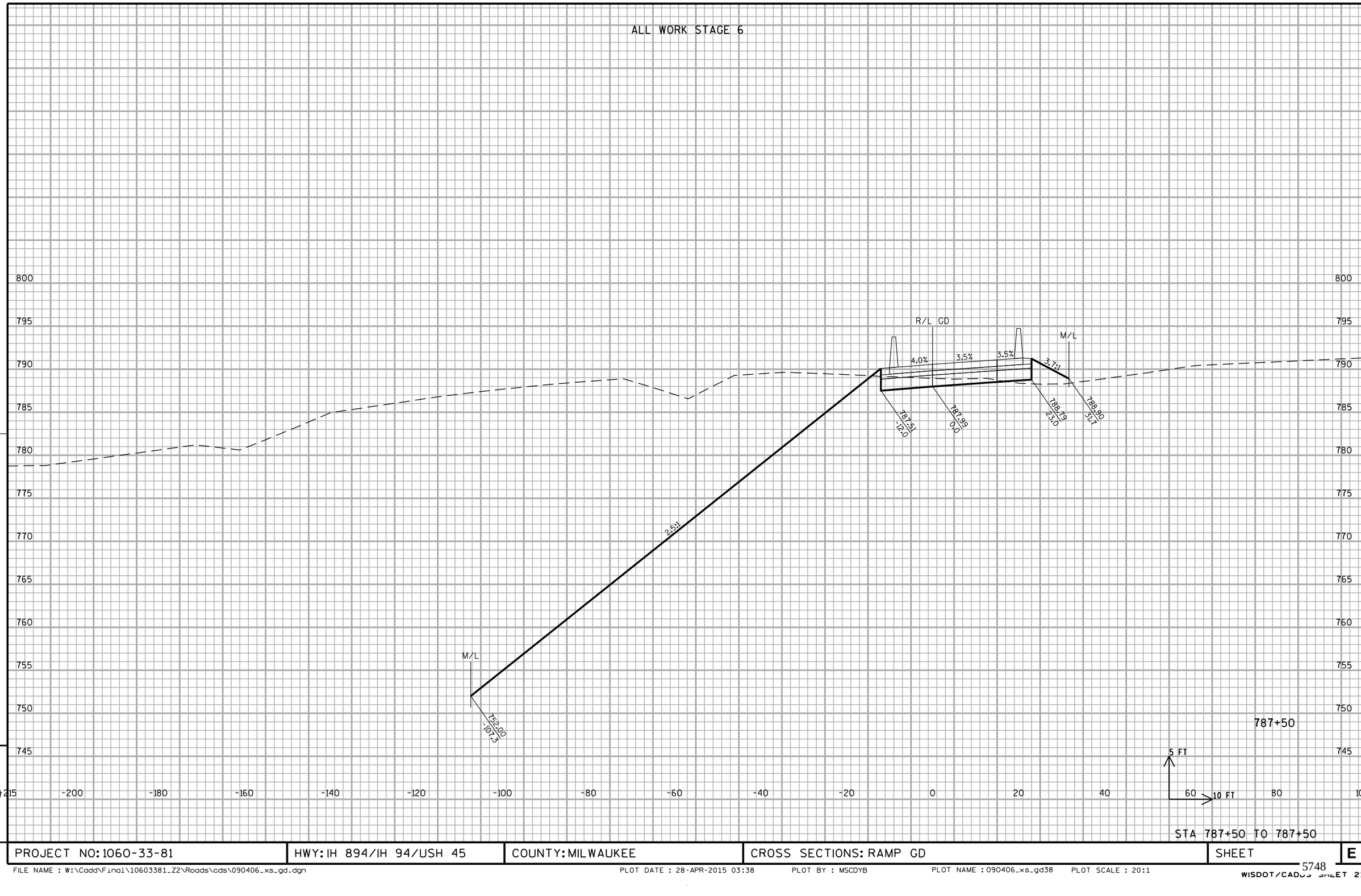


STA 786+62 TO 787+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd37 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

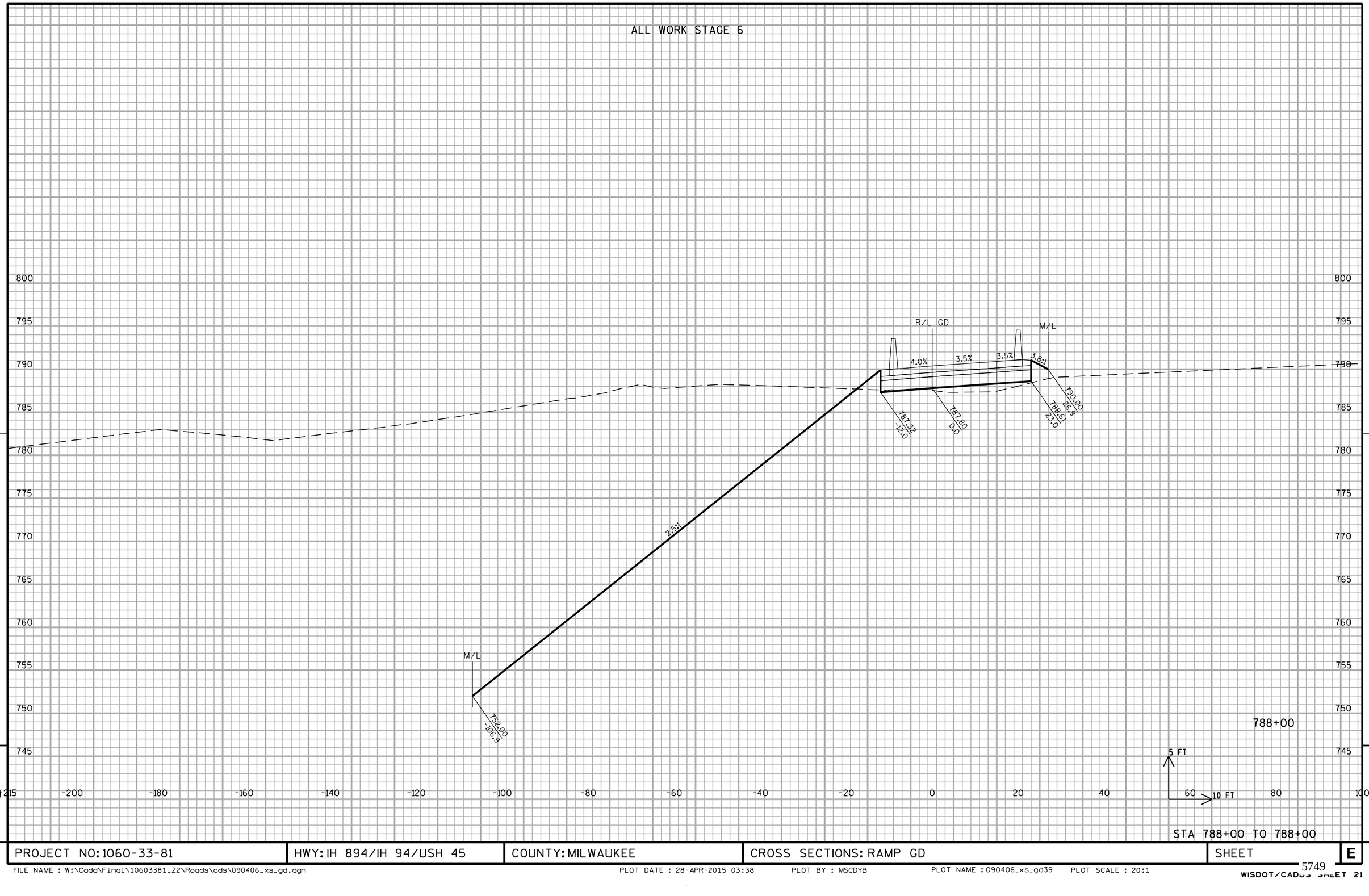
ALL WORK STAGE 6



STA 787+50 TO 787+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6

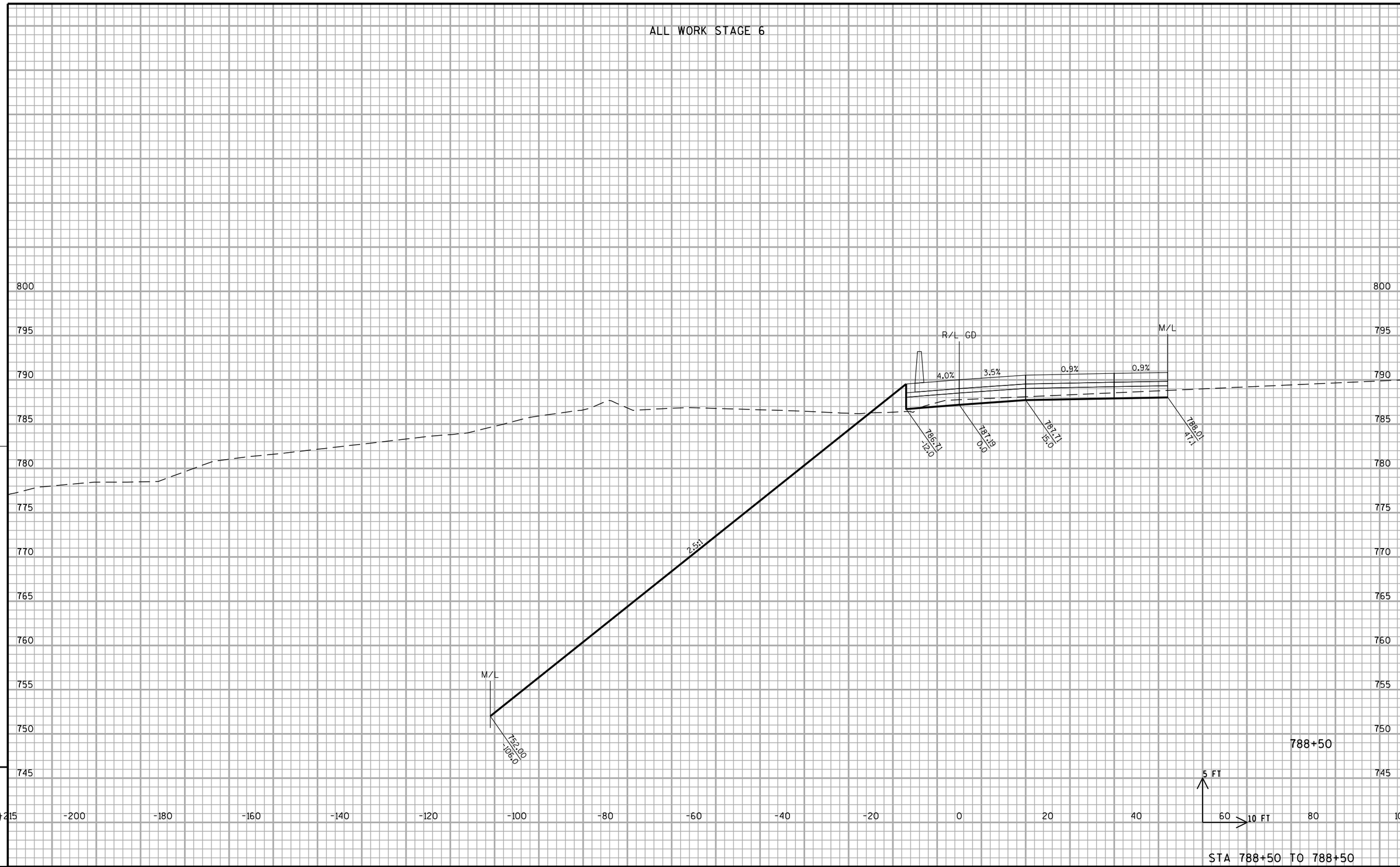


STA 788+00 TO 788+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd39 PLOT SCALE : 20:1

ALL WORK STAGE 6

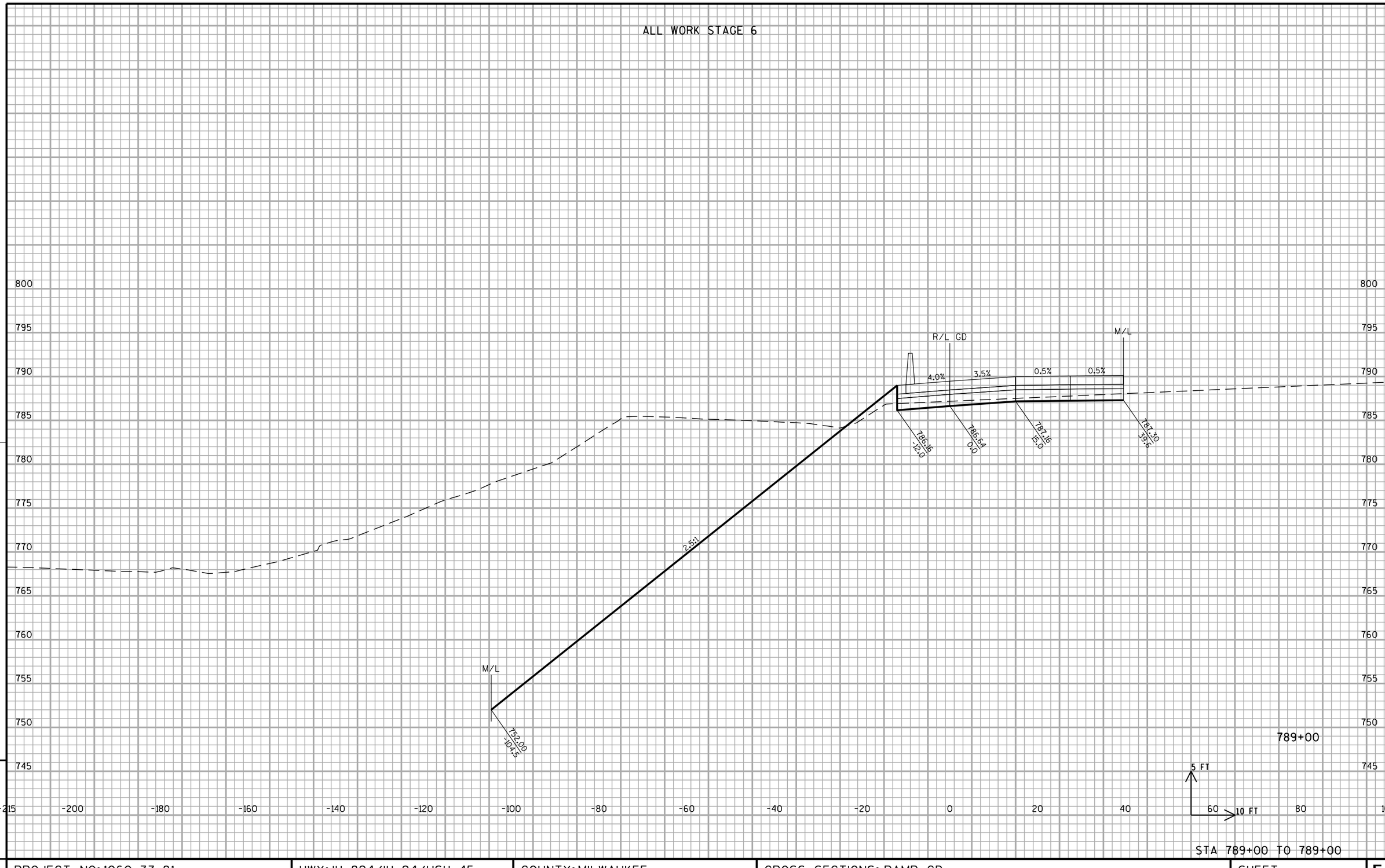


STA 788+50 TO 788+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd40 PLOT SCALE : 20:1

ALL WORK STAGE 6

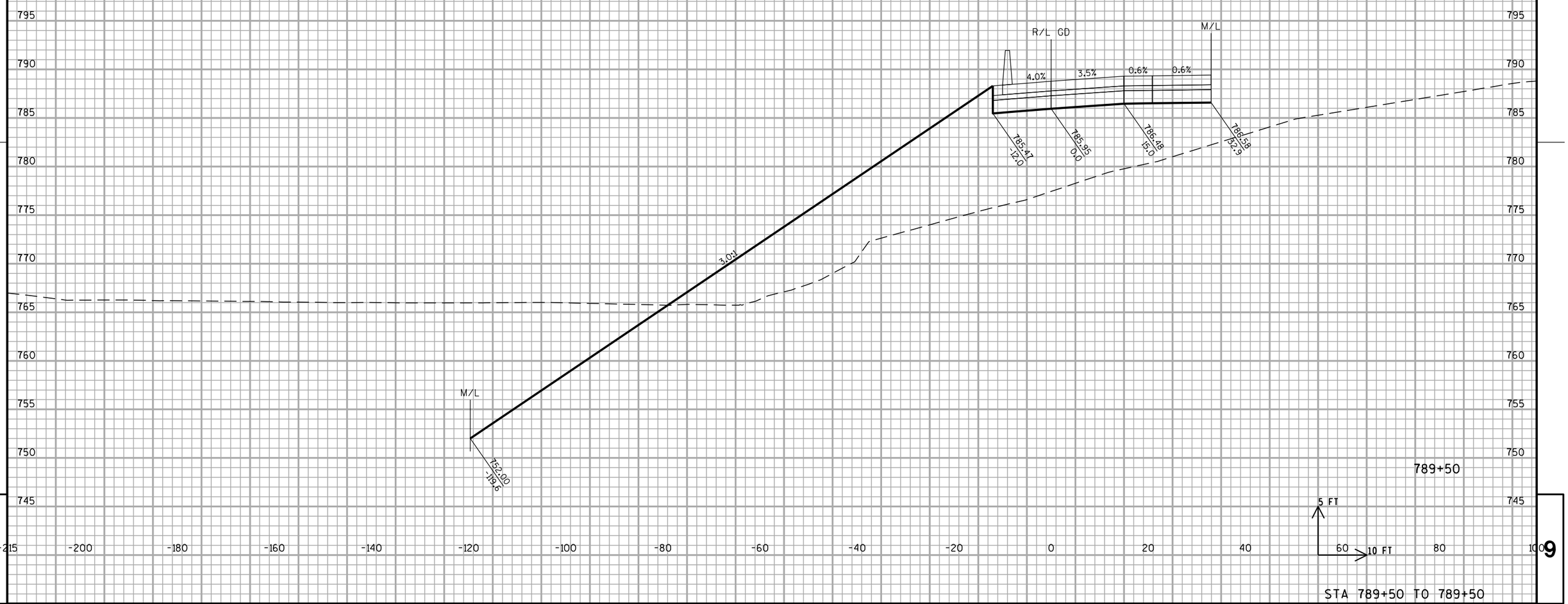


STA 789+00 TO 789+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd41 PLOT SCALE : 20:1

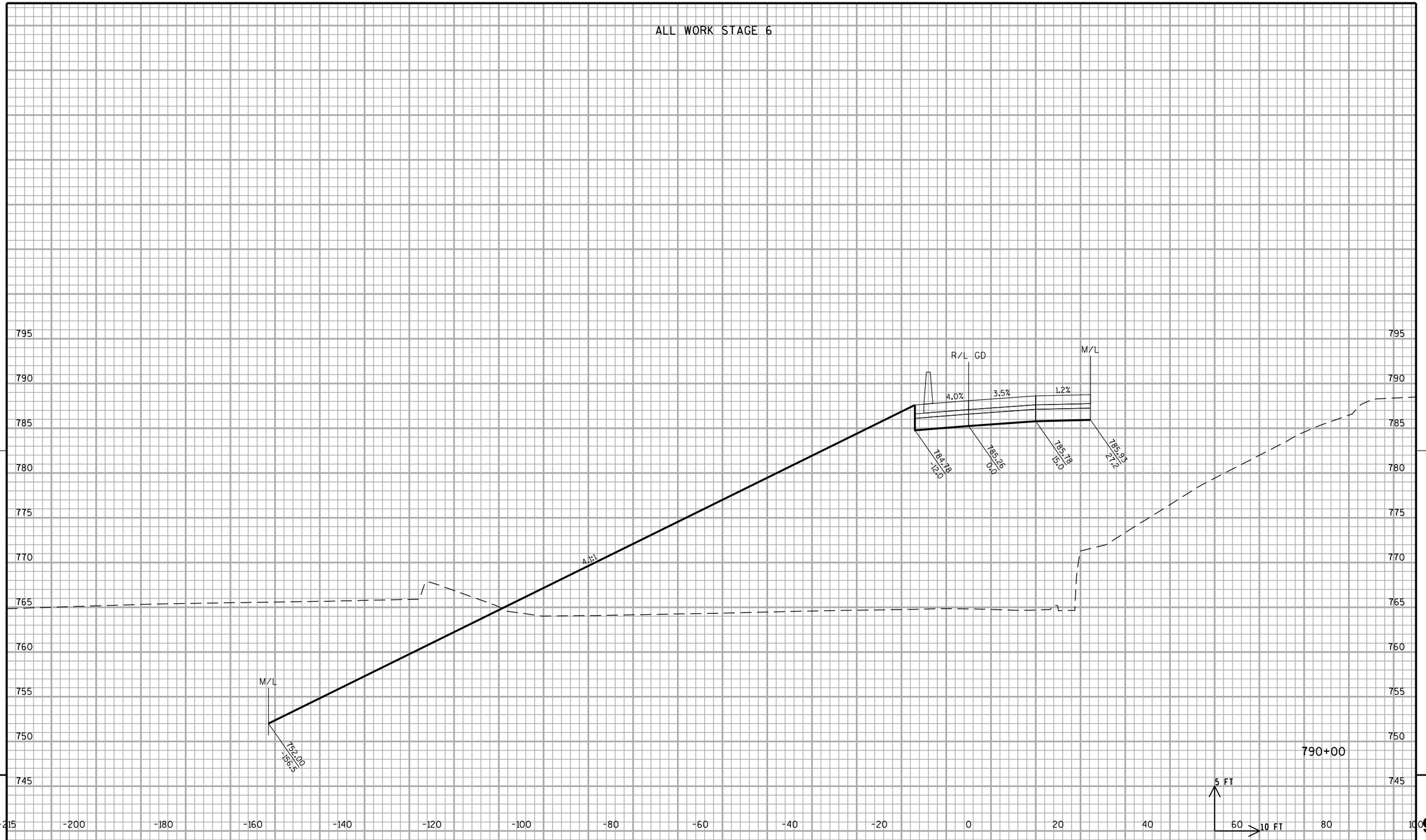
ALL WORK STAGE 6



STA 789+50 TO 789+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

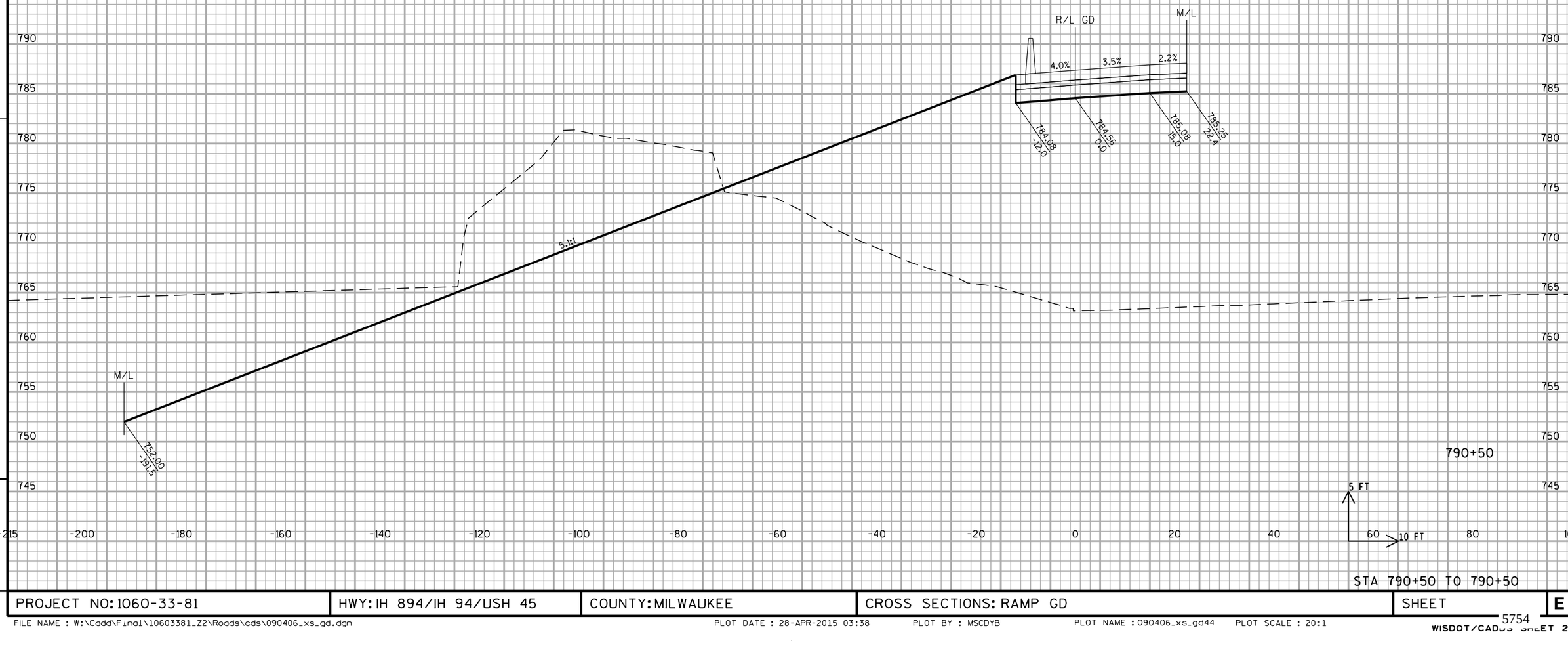
ALL WORK STAGE 6



STA 790+00 TO 790+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

ALL WORK STAGE 6

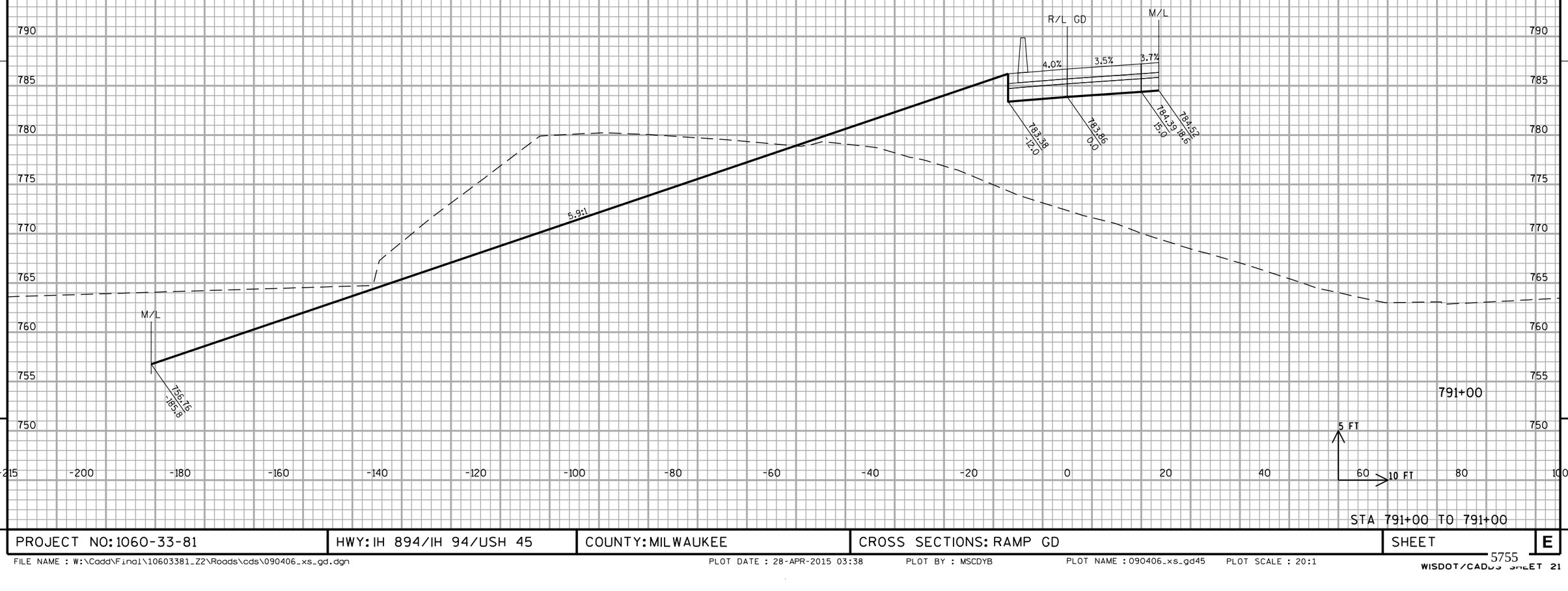


STA 790+50 TO 790+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd44 PLOT SCALE : 20:1

ALL WORK STAGE 6

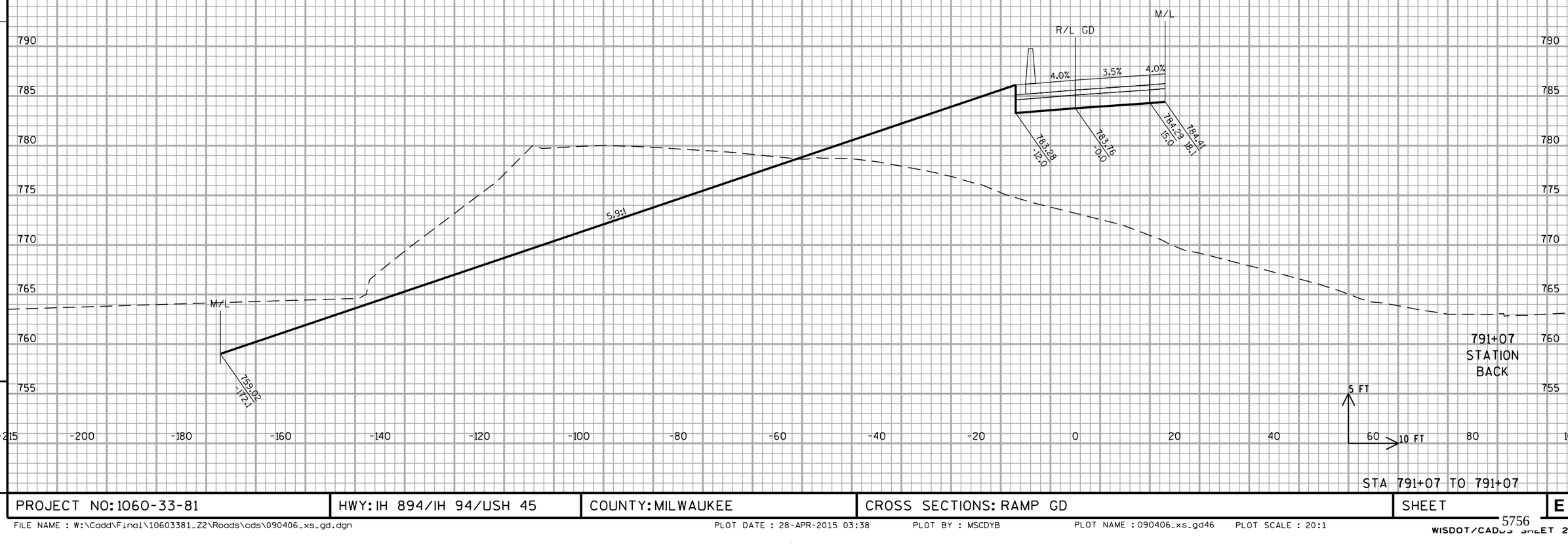


STA 791+00 TO 791+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090406_xs_gd.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090406_xs_gd45 PLOT SCALE : 20:1

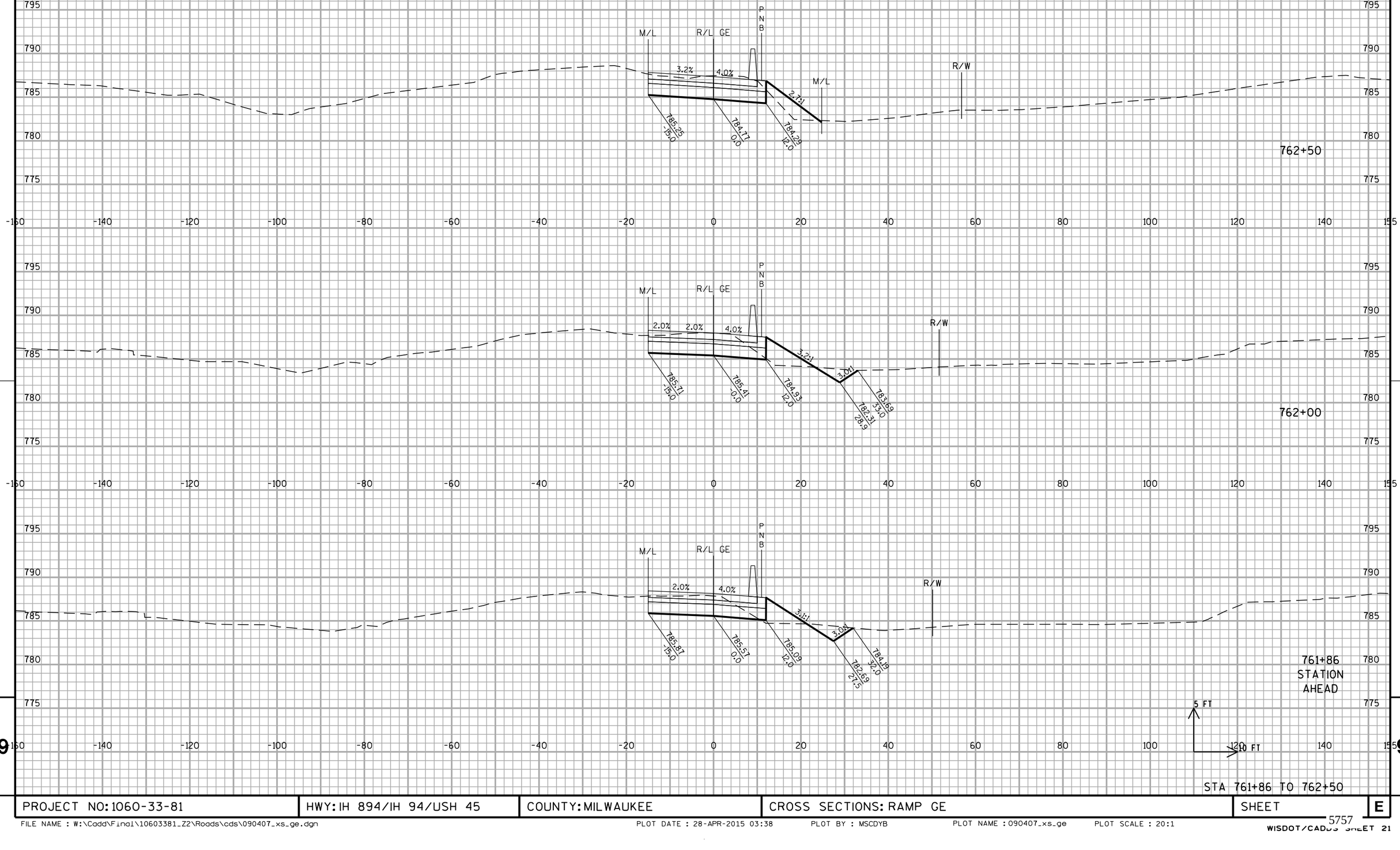
ALL WORK STAGE 6



STA 791+07 TO 791+07

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GD	SHEET	E

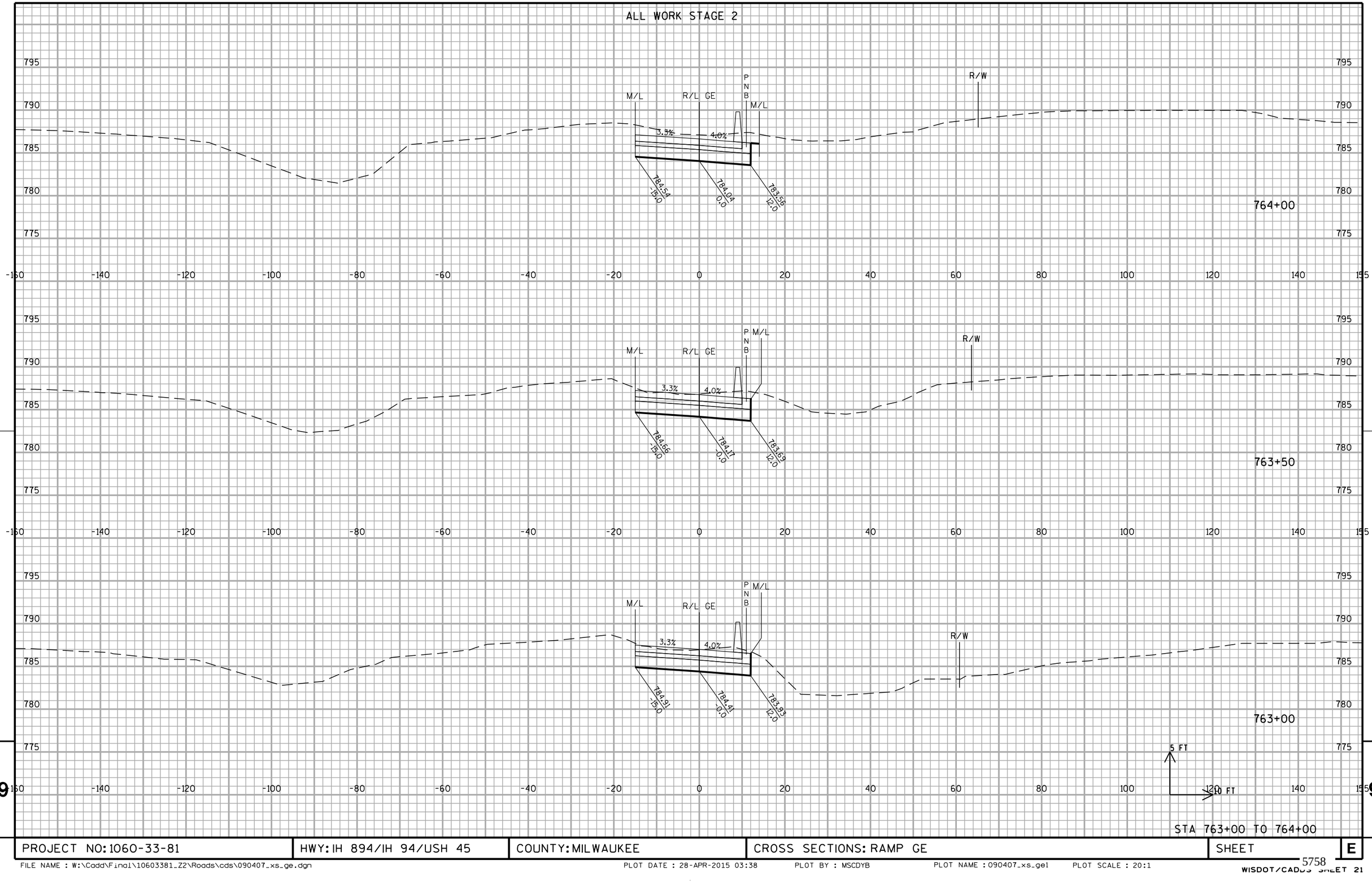
ALL WORK STAGE 2



STA 761+86 TO 762+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

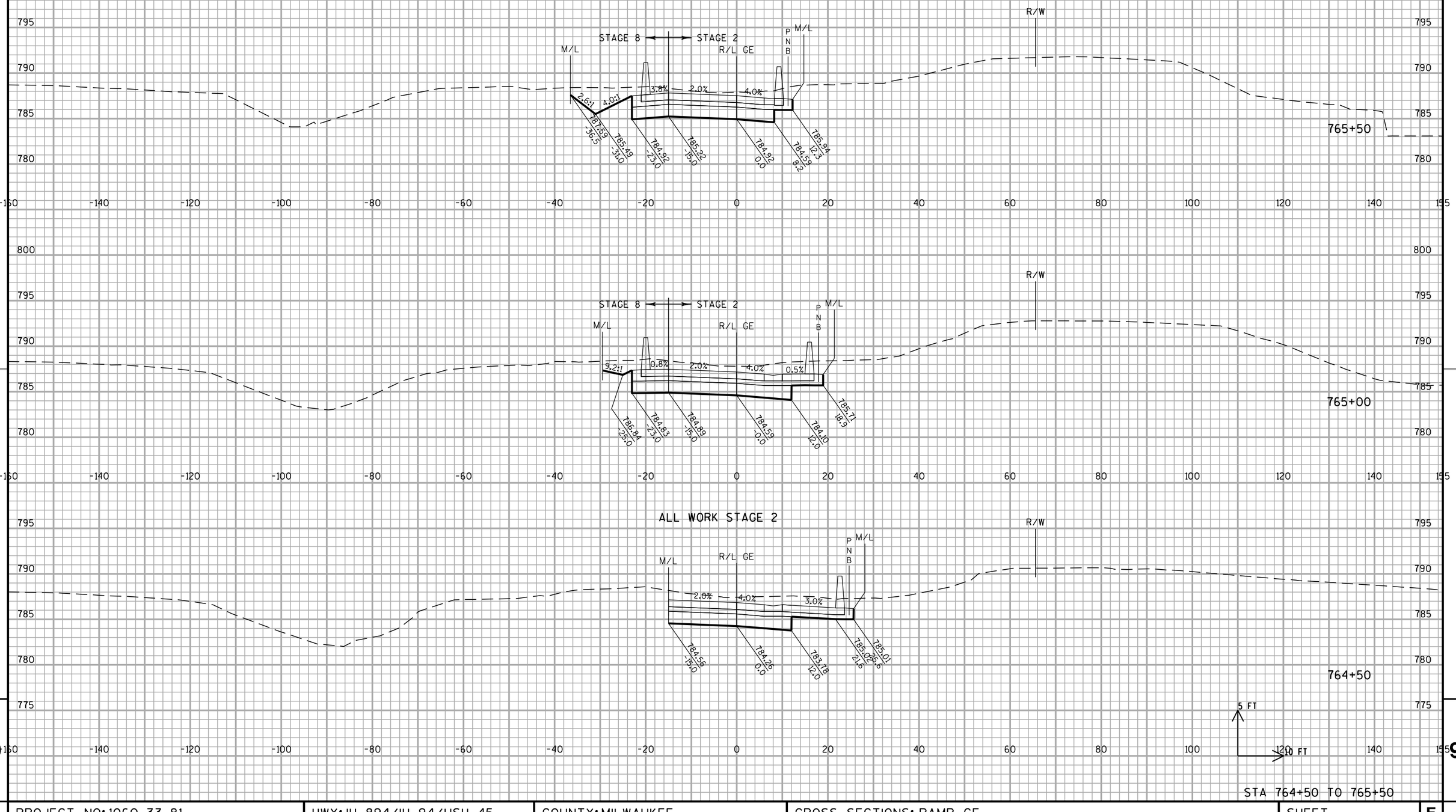
ALL WORK STAGE 2



STA 763+00 TO 764+00

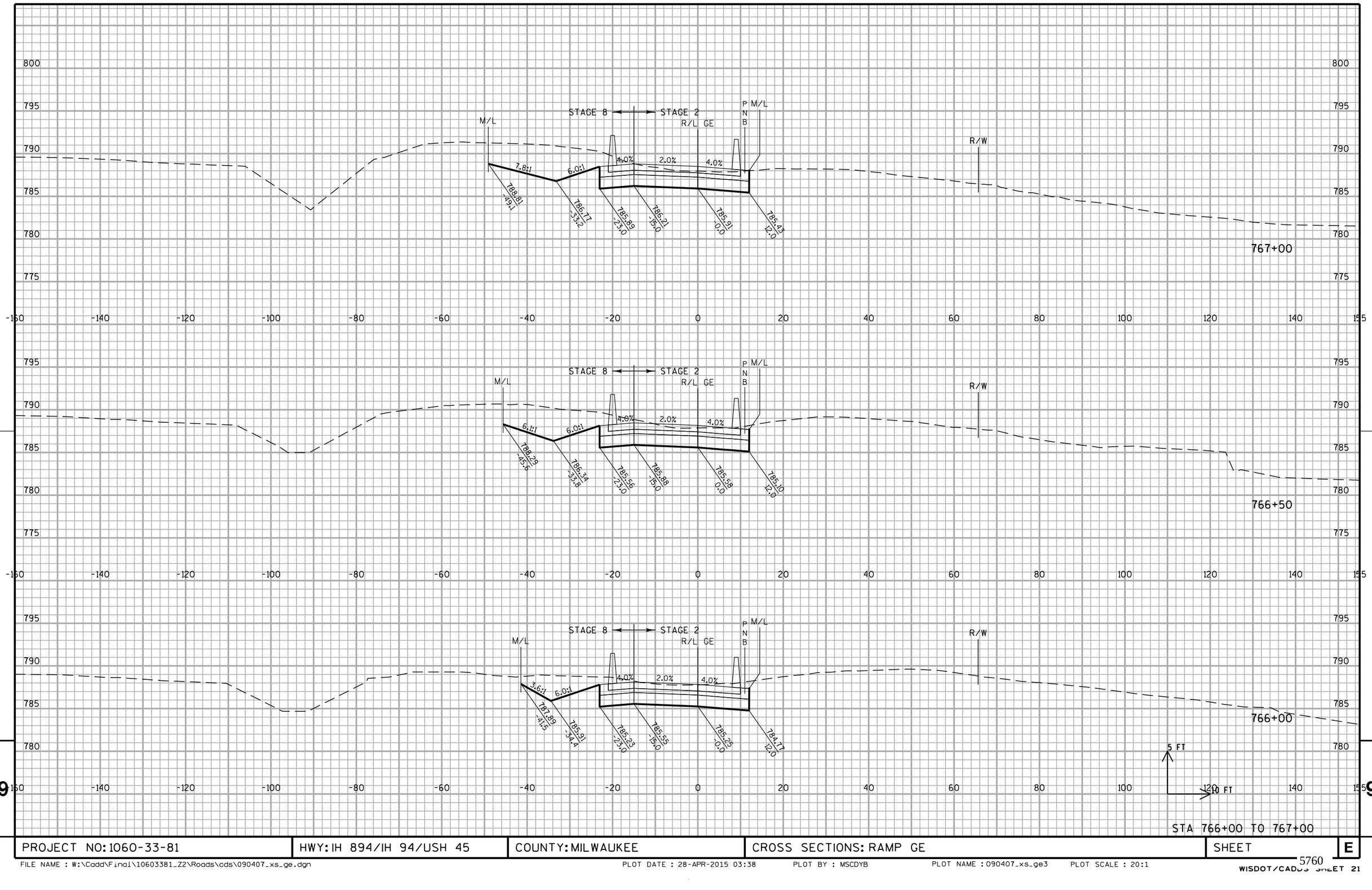
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge1 PLOT SCALE : 20:1

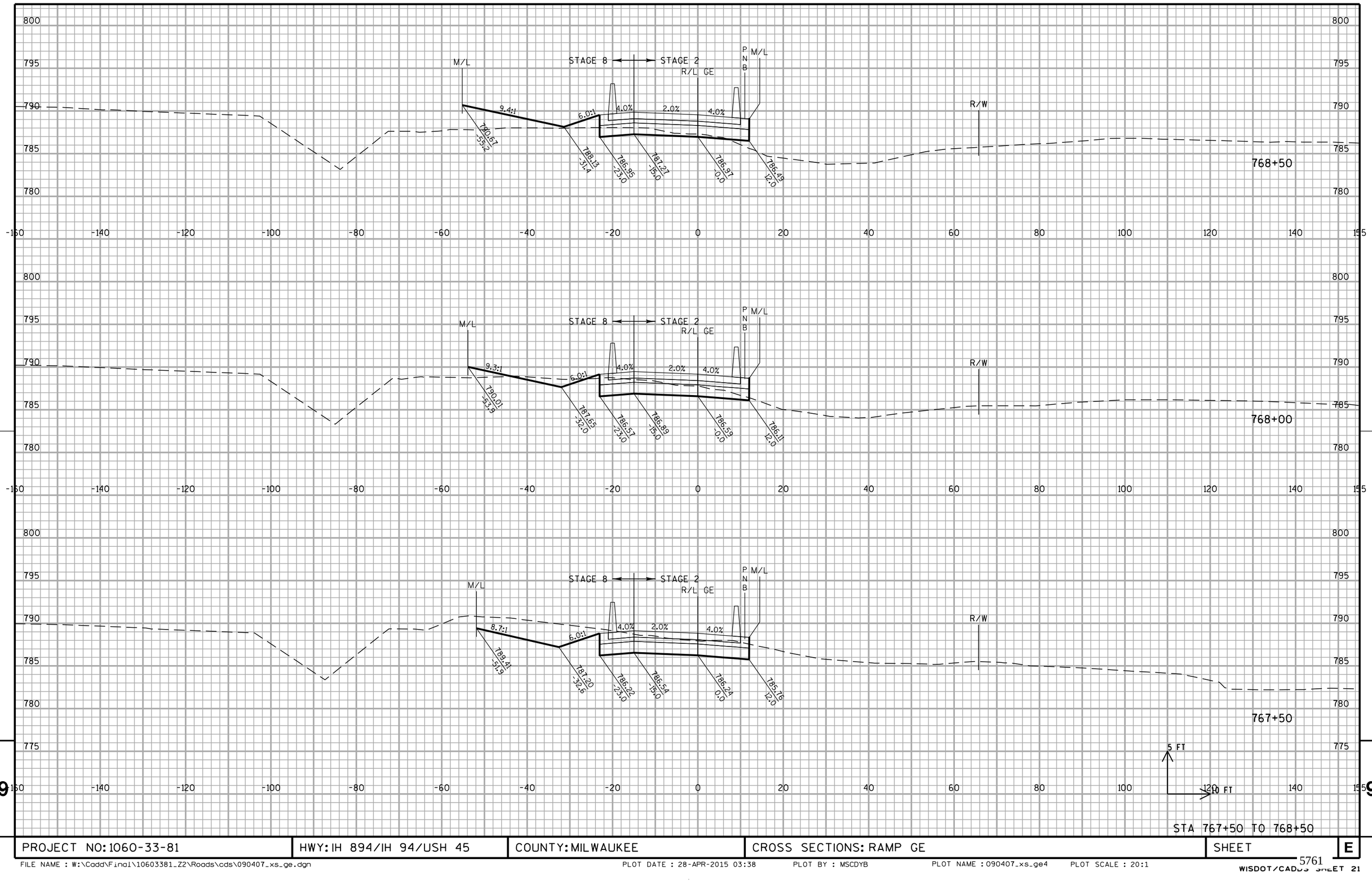


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge2 PLOT SCALE : 20:1



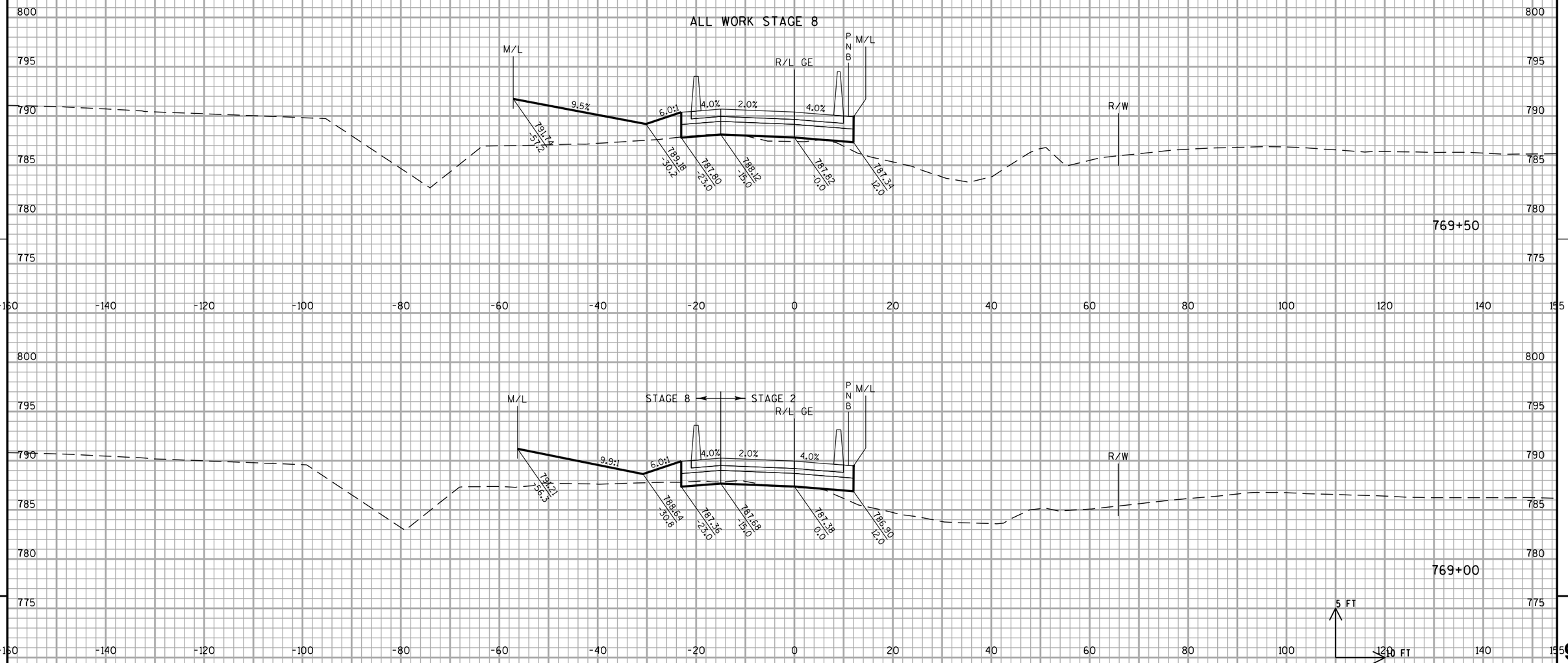
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge4 PLOT SCALE : 20:1

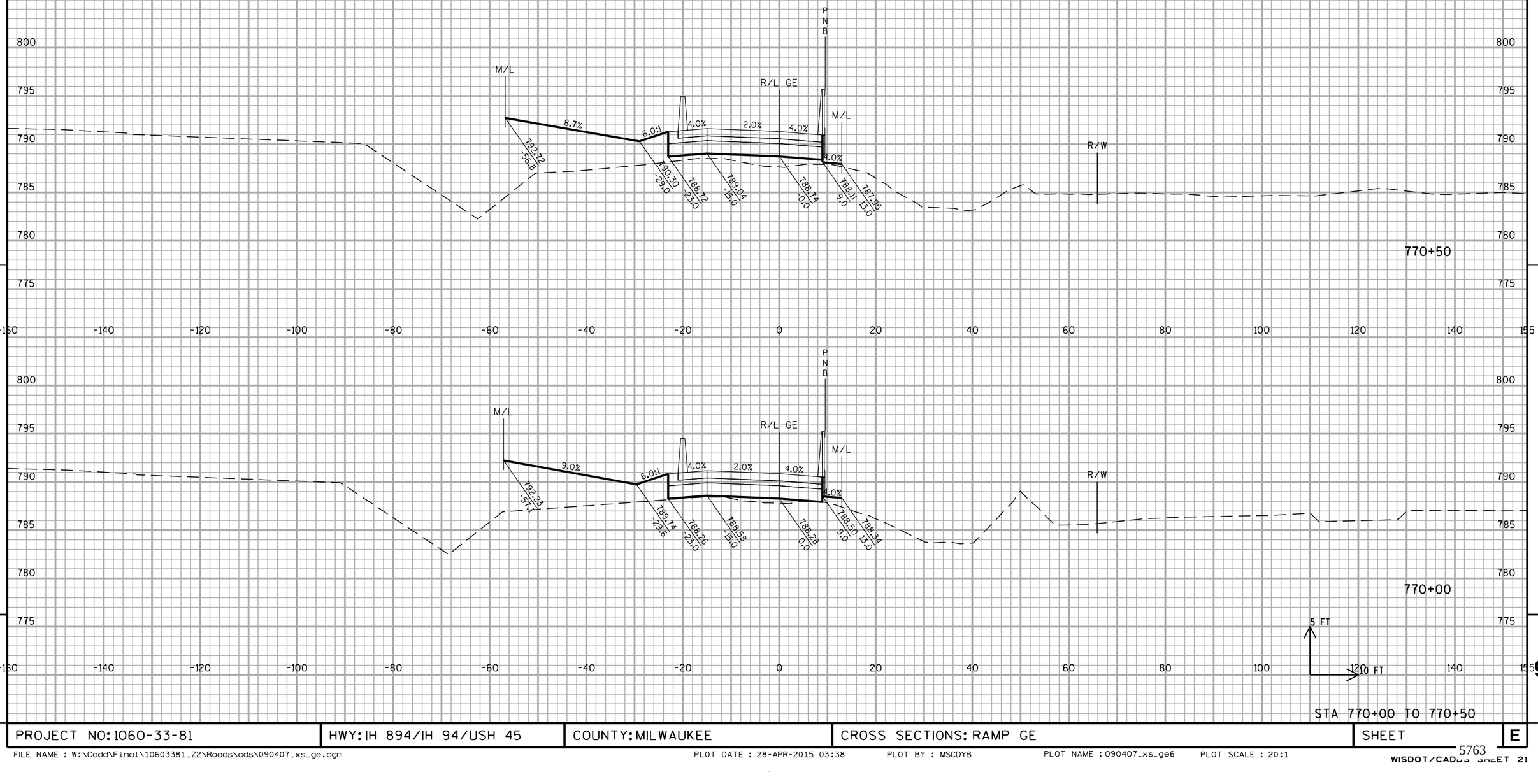
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge5 PLOT SCALE : 20:1

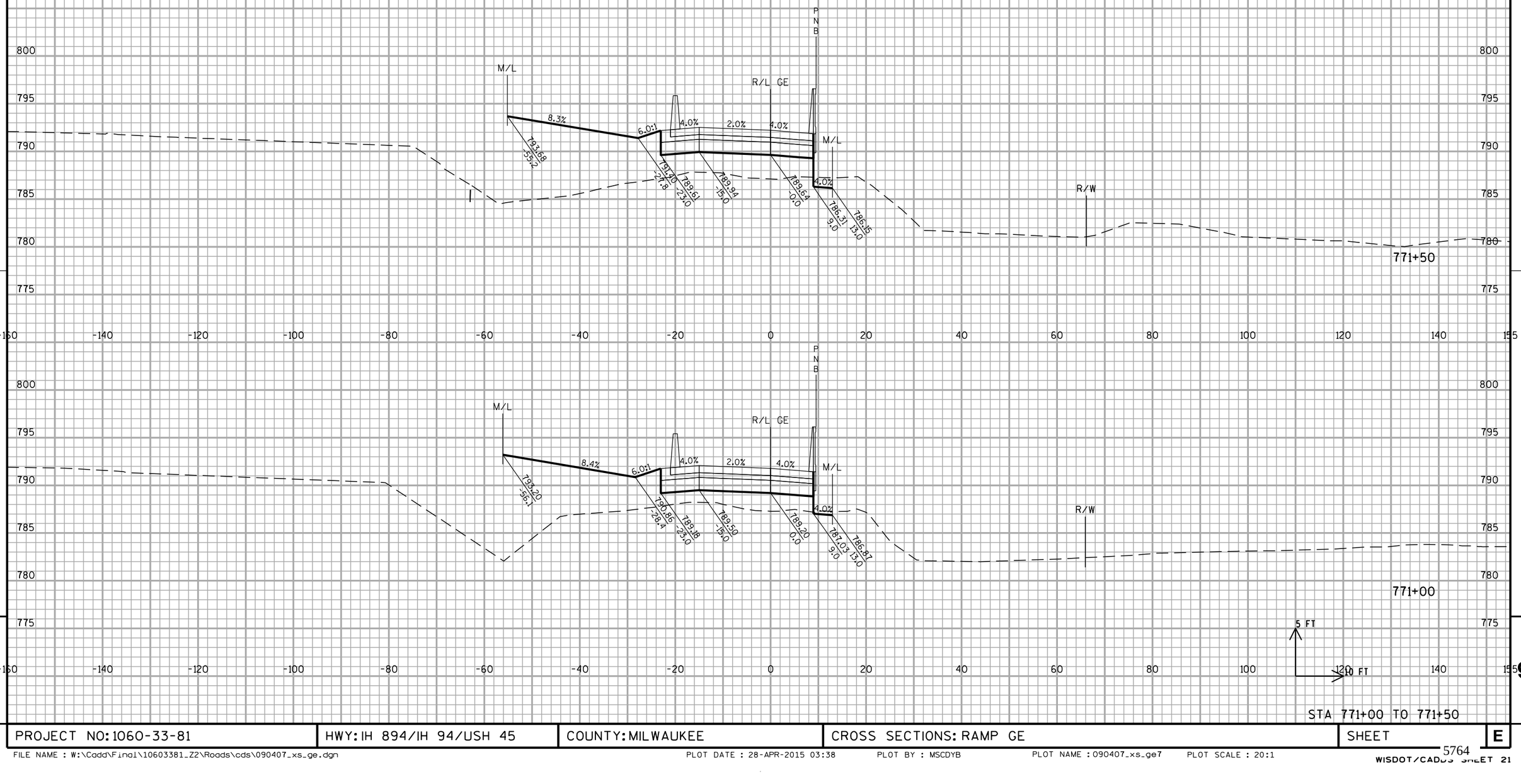
ALL WORK STAGE 8



STA 770+00 TO 770+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8

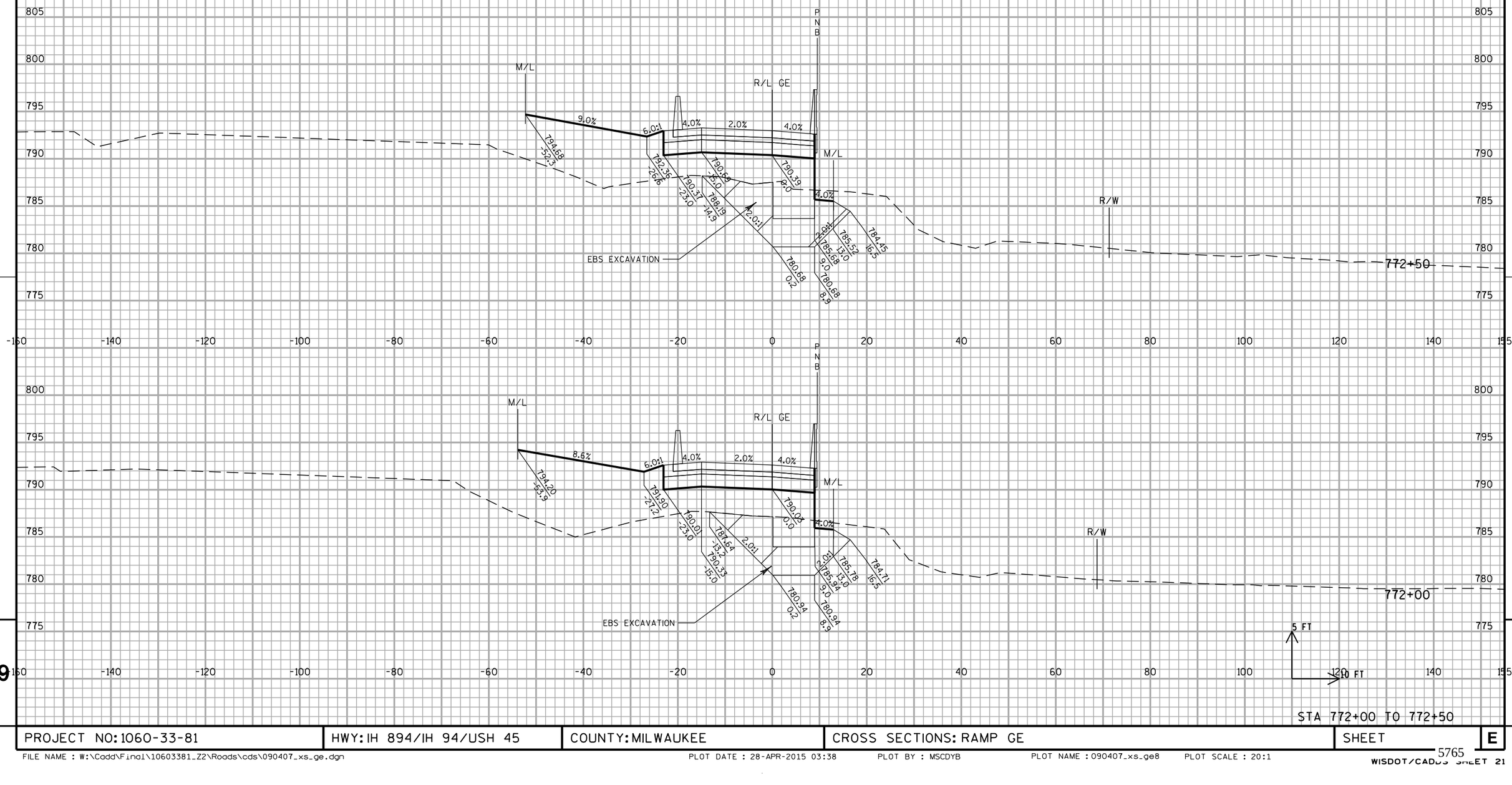


STA 771+00 TO 771+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge7 PLOT SCALE : 20:1

ALL WORK STAGE 8

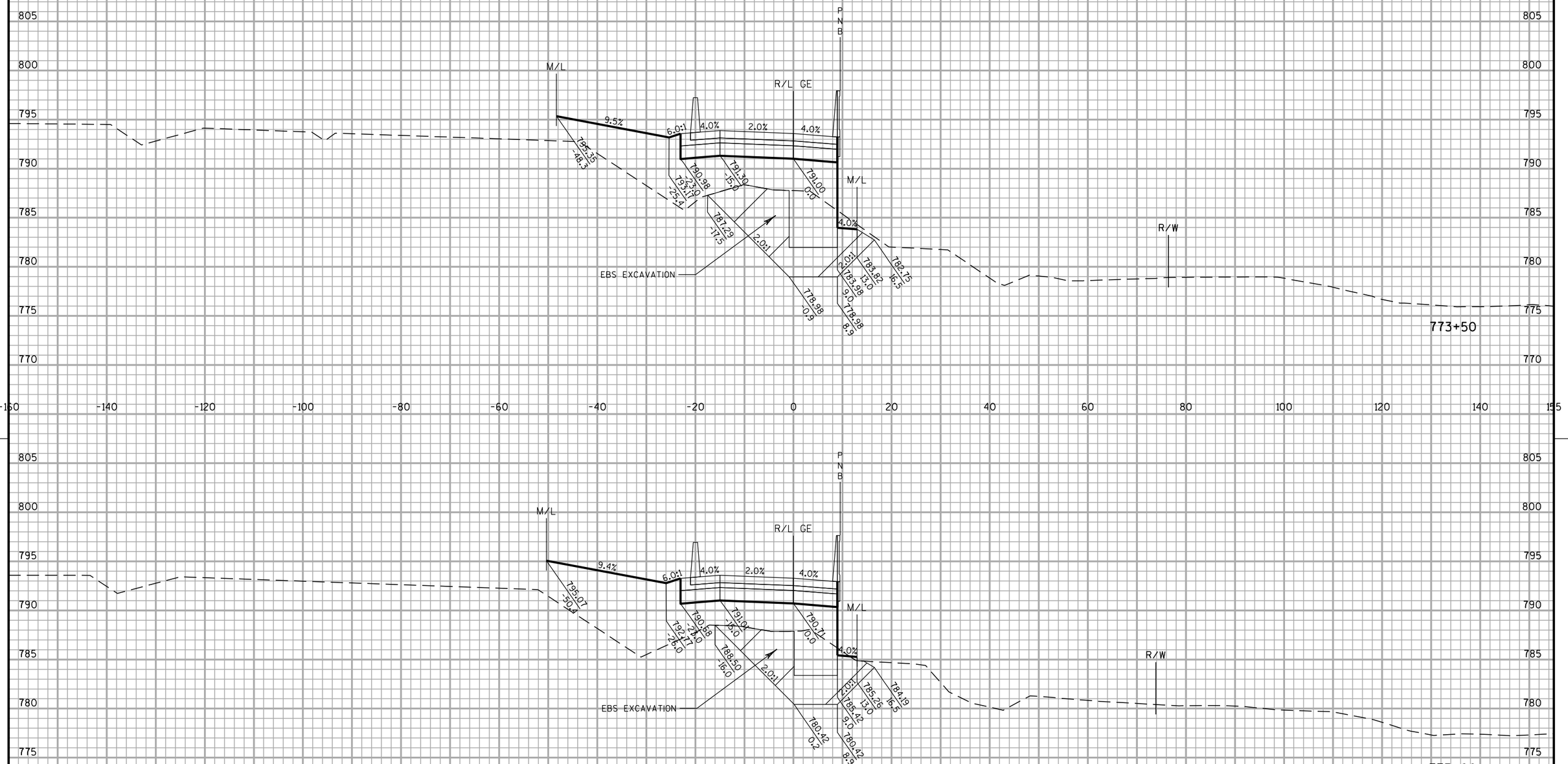


STA 772+00 TO 772+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge8 PLOT SCALE : 20:1

ALL WORK STAGE 8



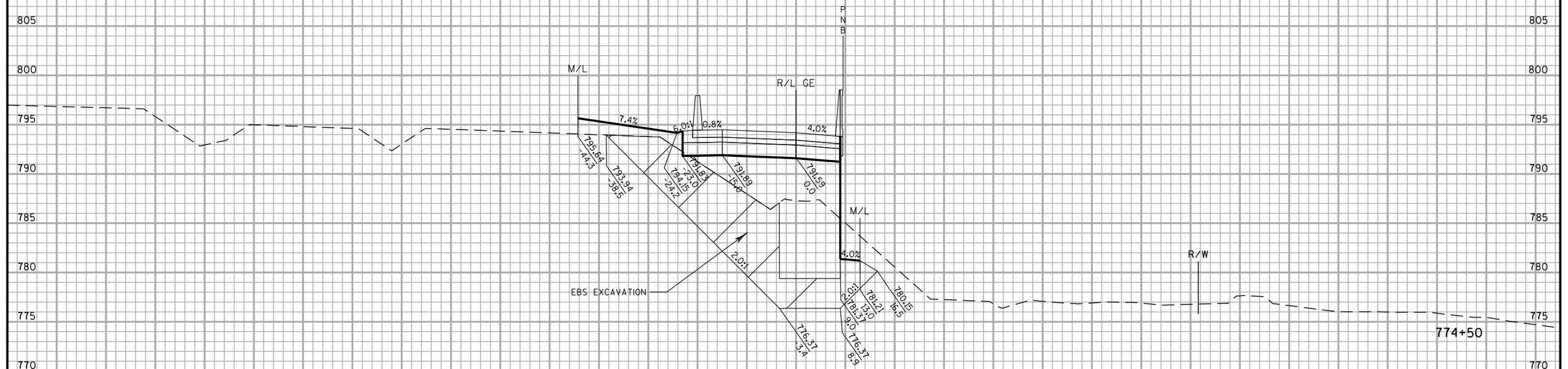
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET E

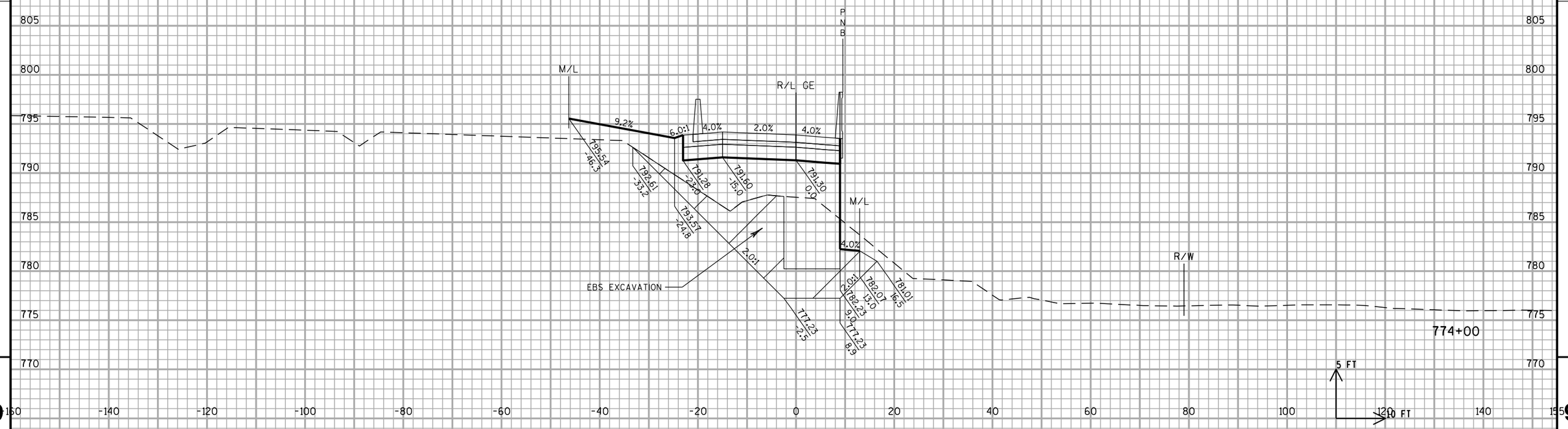
STA 773+00 TO 773+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



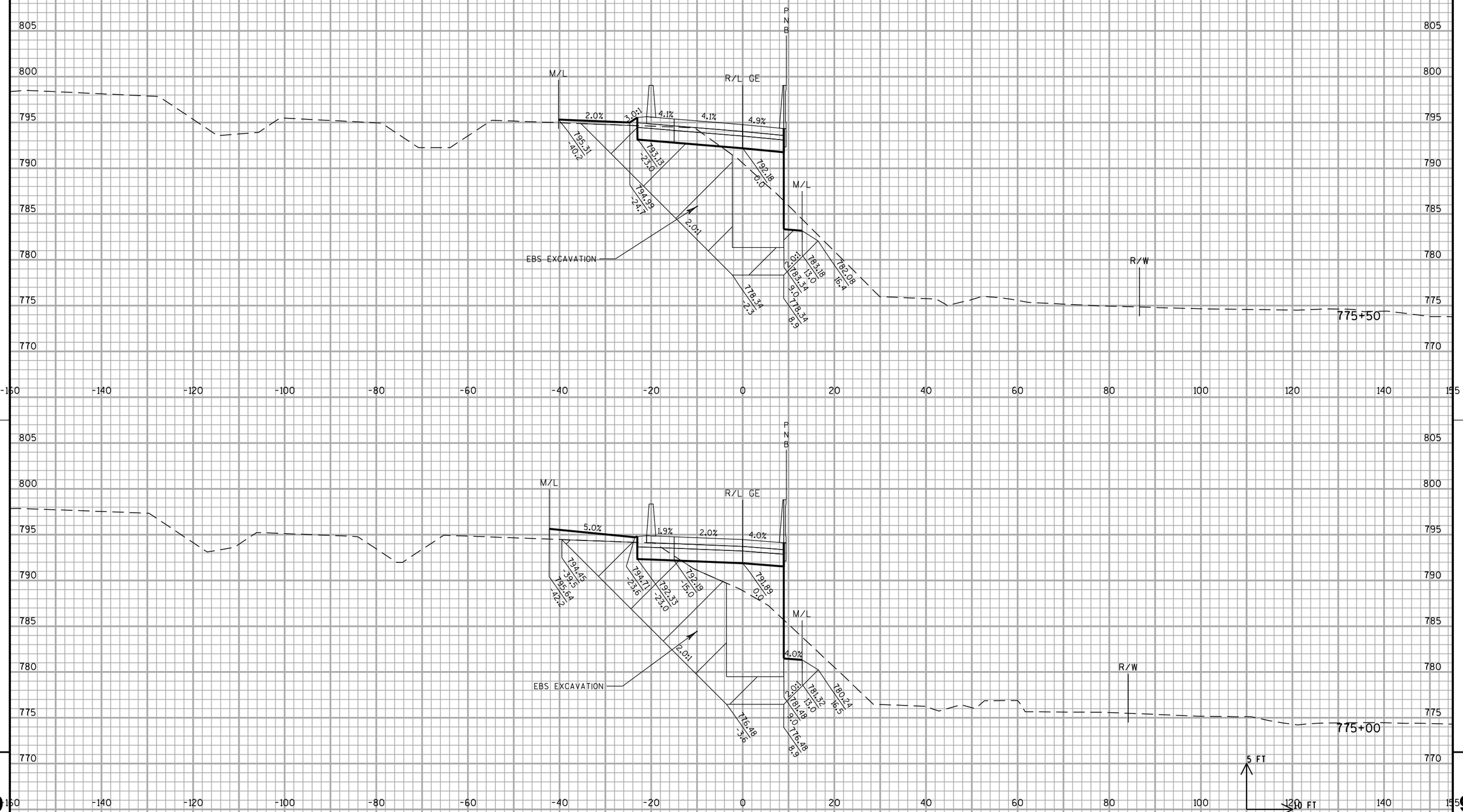


STA 774+00 TO 774+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge10 PLOT SCALE : 20:1

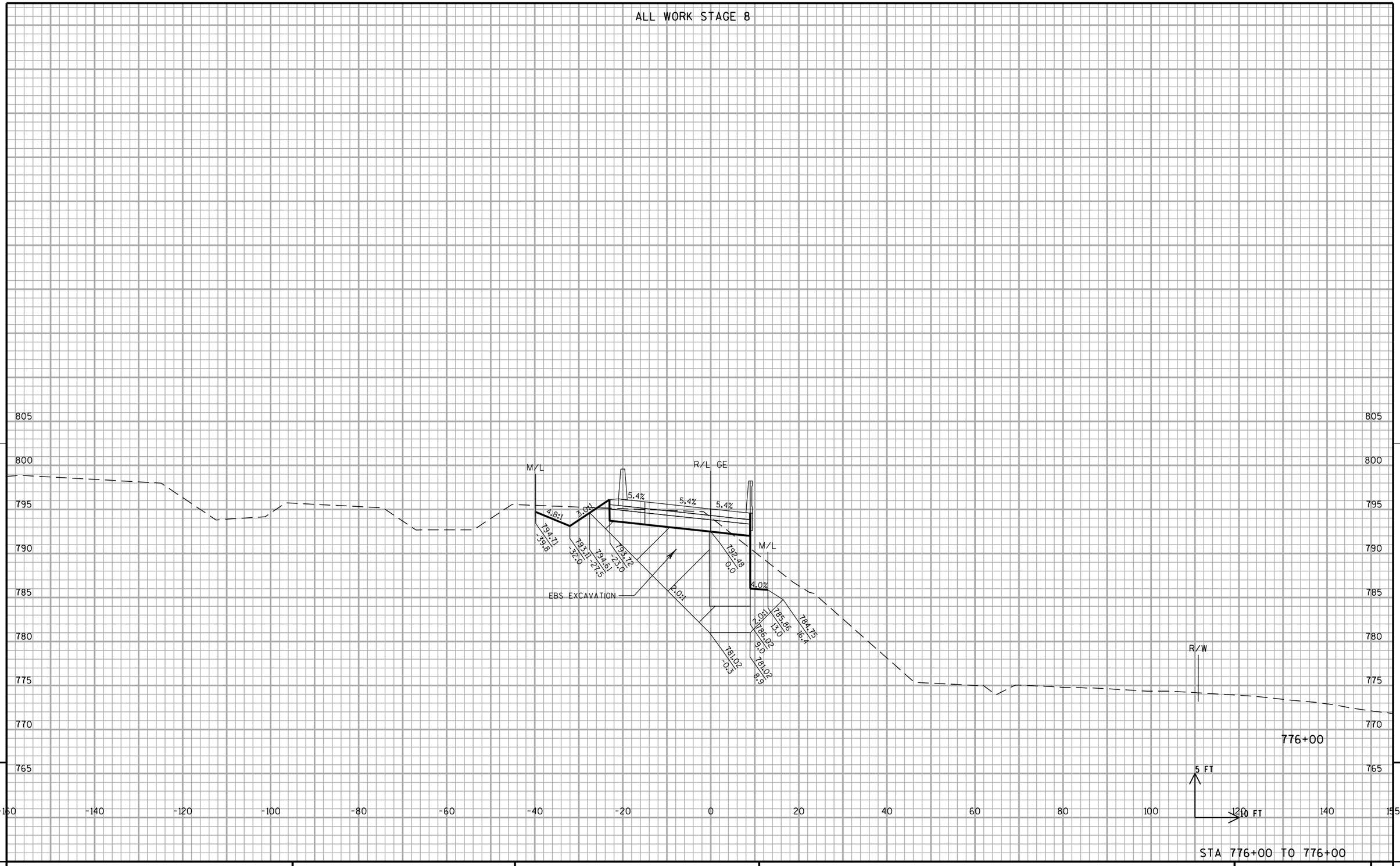
ALL WORK STAGE 8



STA 775+00 TO 775+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8

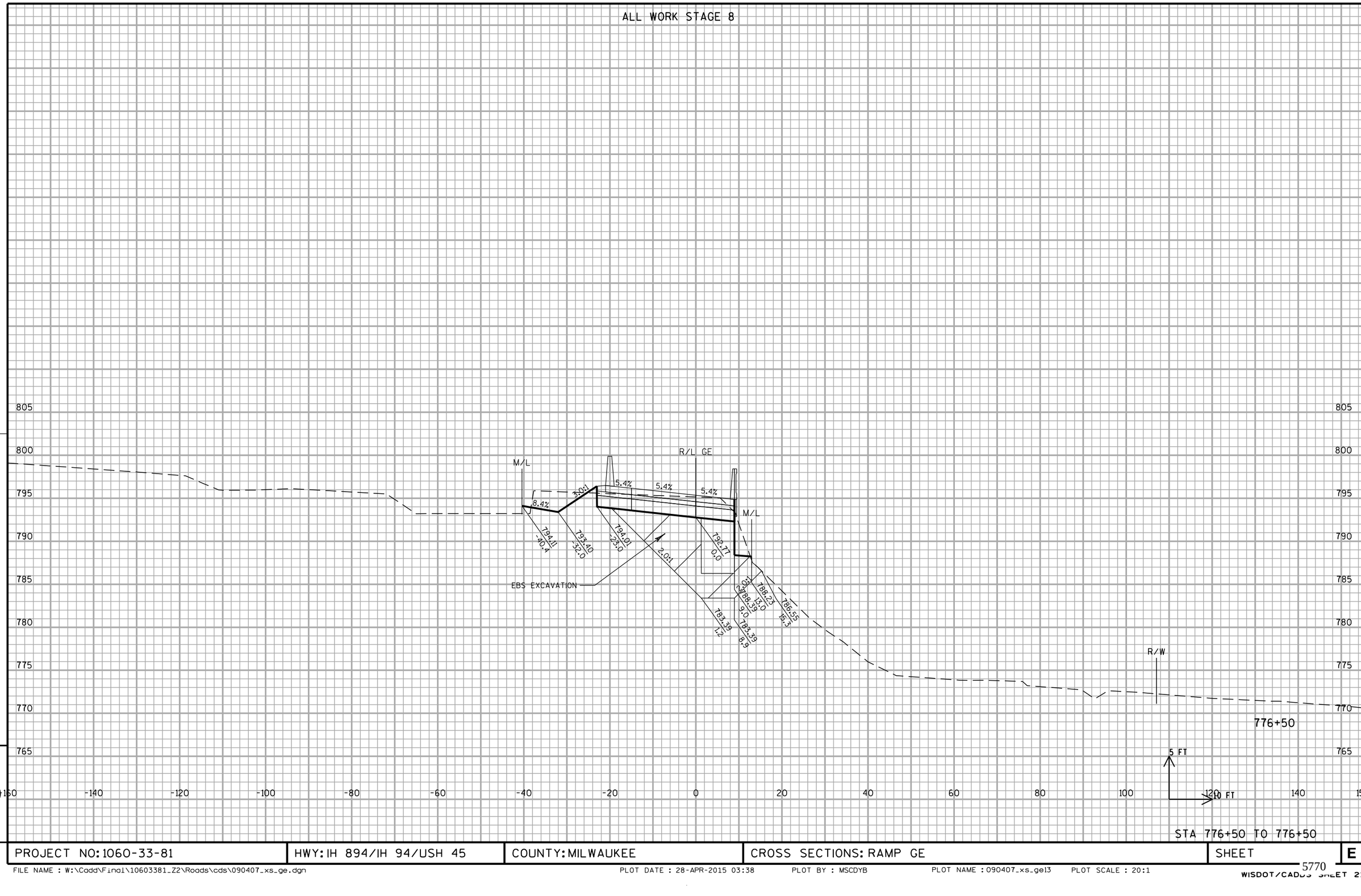


STA 776+00 TO 776+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_GE.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090407_xs_GE12 PLOT SCALE : 20:1

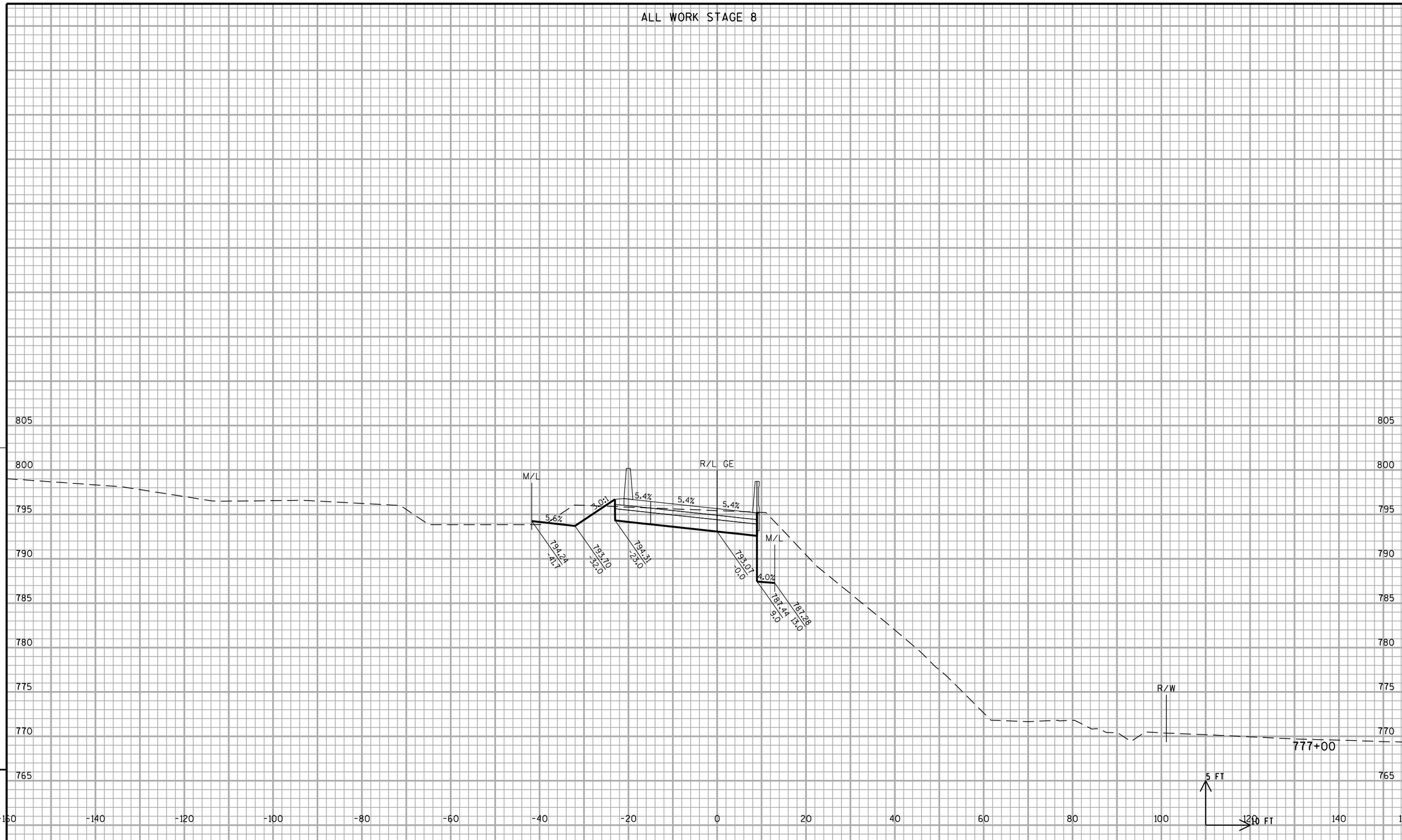
ALL WORK STAGE 8



STA 776+50 TO 776+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8

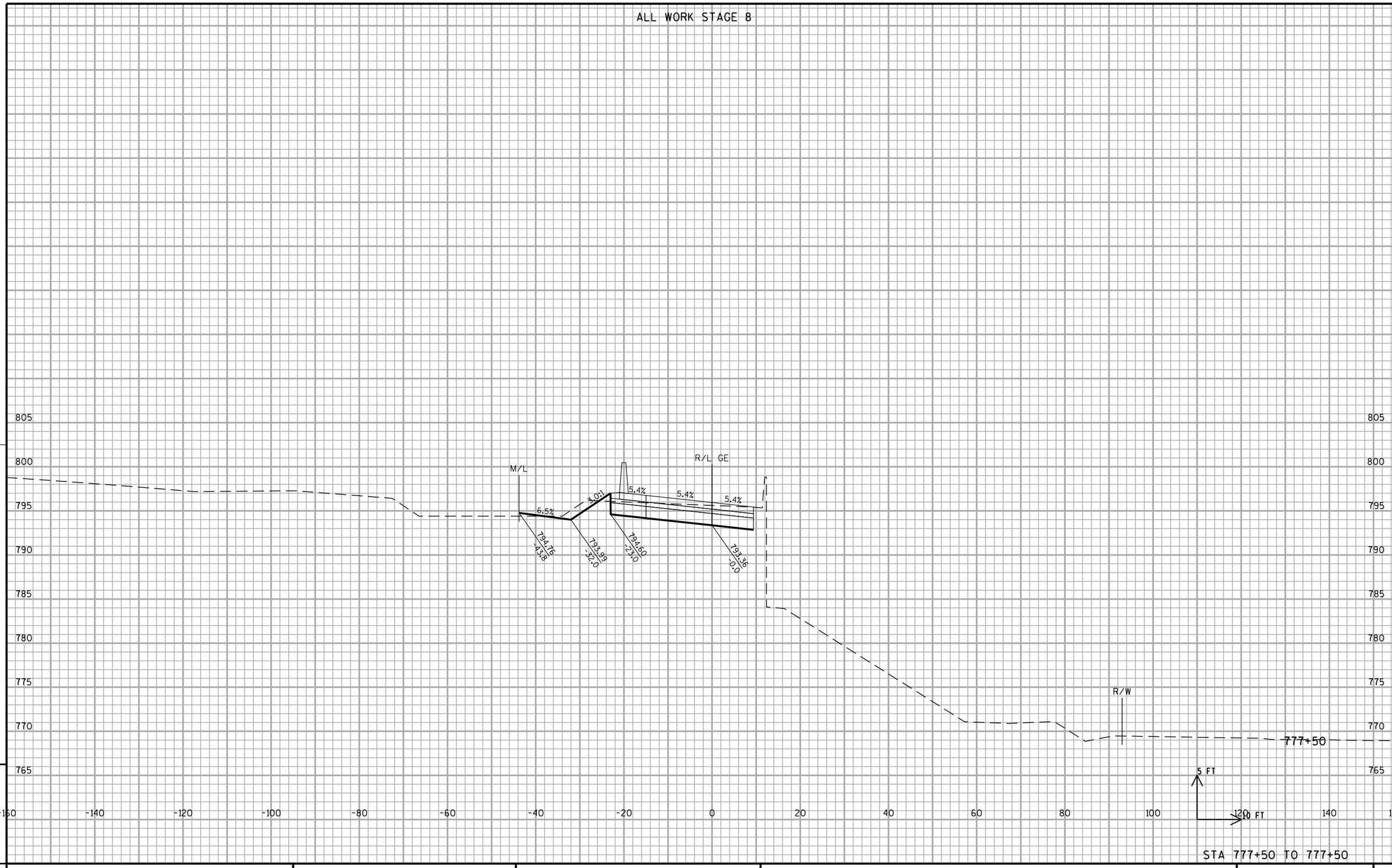


STA 777+00 TO 777+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_gel4 PLOT SCALE : 20:1

ALL WORK STAGE 8

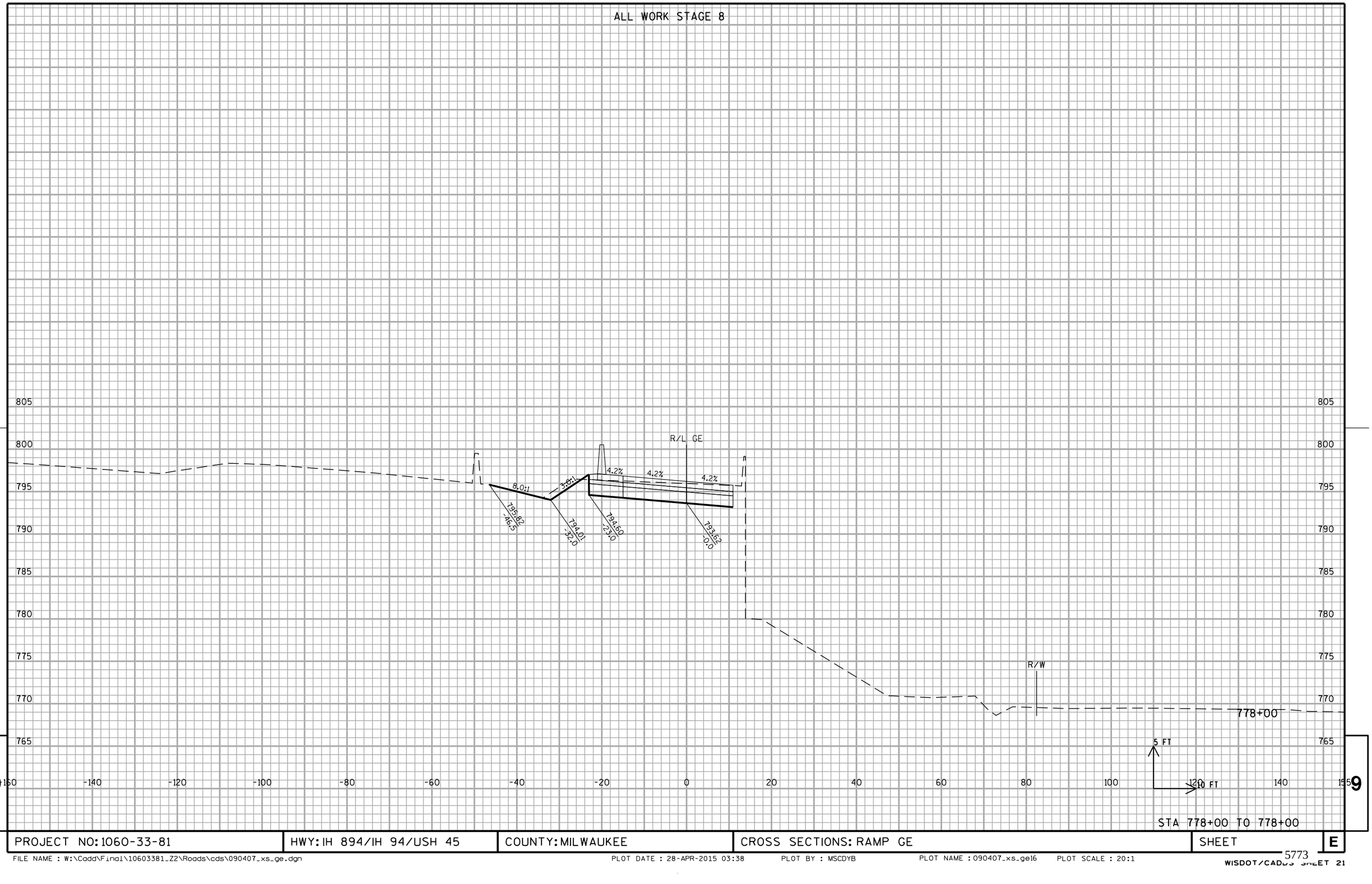


STA 777+50 TO 777+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_gel5 PLOT SCALE : 20:1

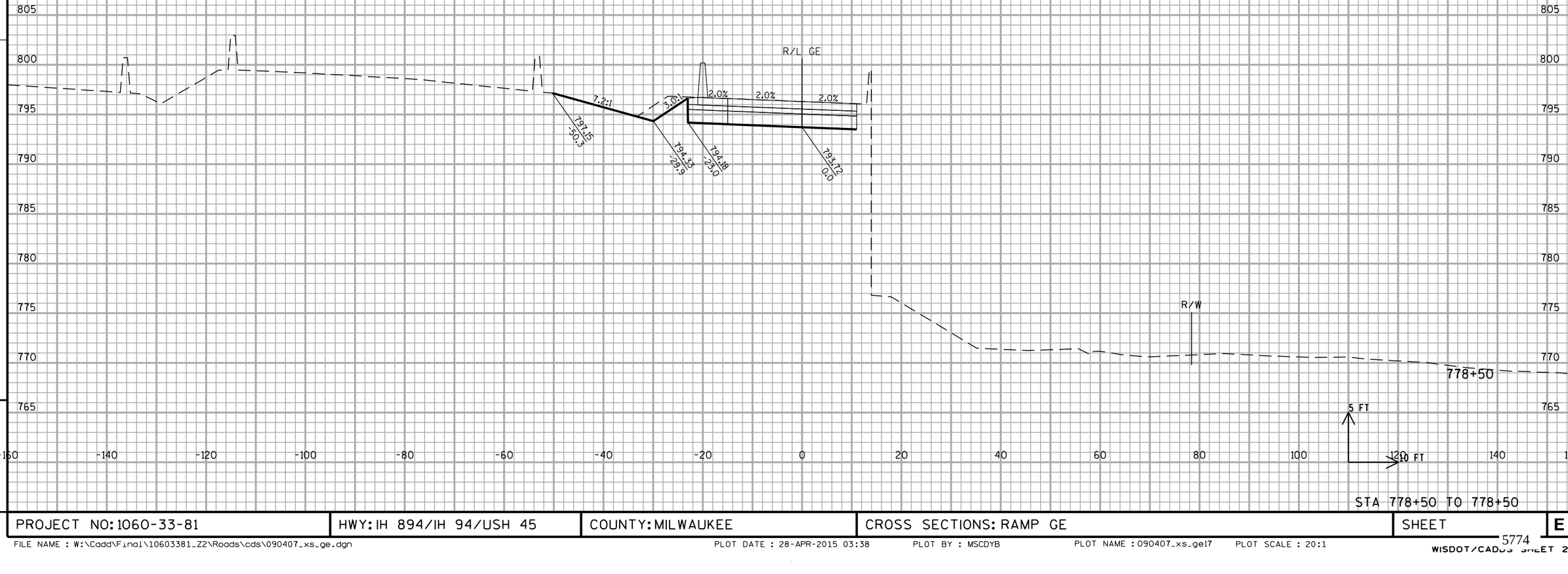
ALL WORK STAGE 8



STA 778+00 TO 778+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8



STA 778+50 TO 778+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge17 PLOT SCALE : 20:1

ALL WORK STAGE 8

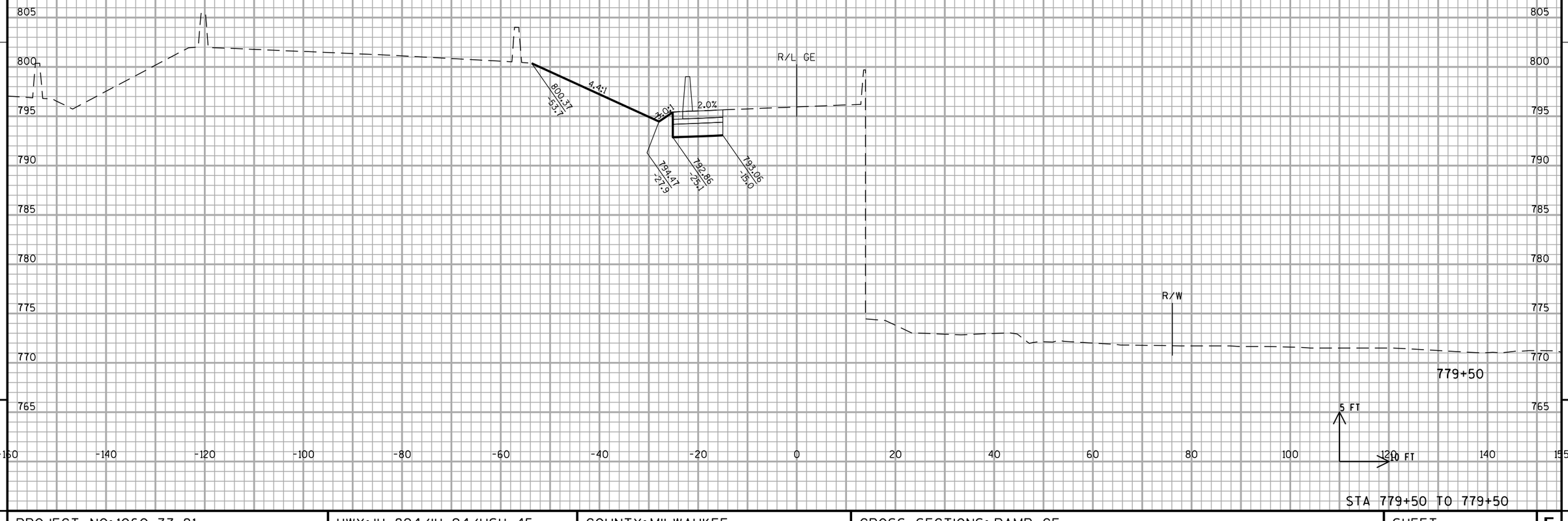


STA 779+00 TO 779+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

9 9

ALL WORK STAGE 8

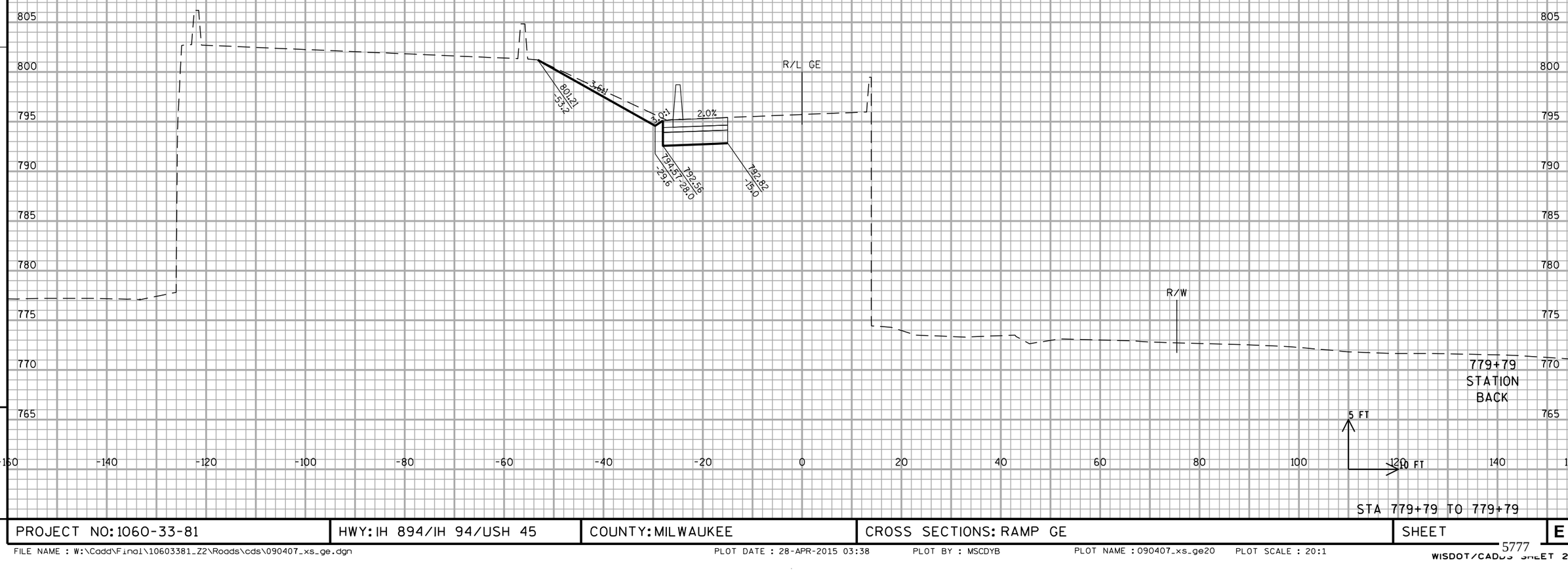


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

STA 779+50 TO 779+50

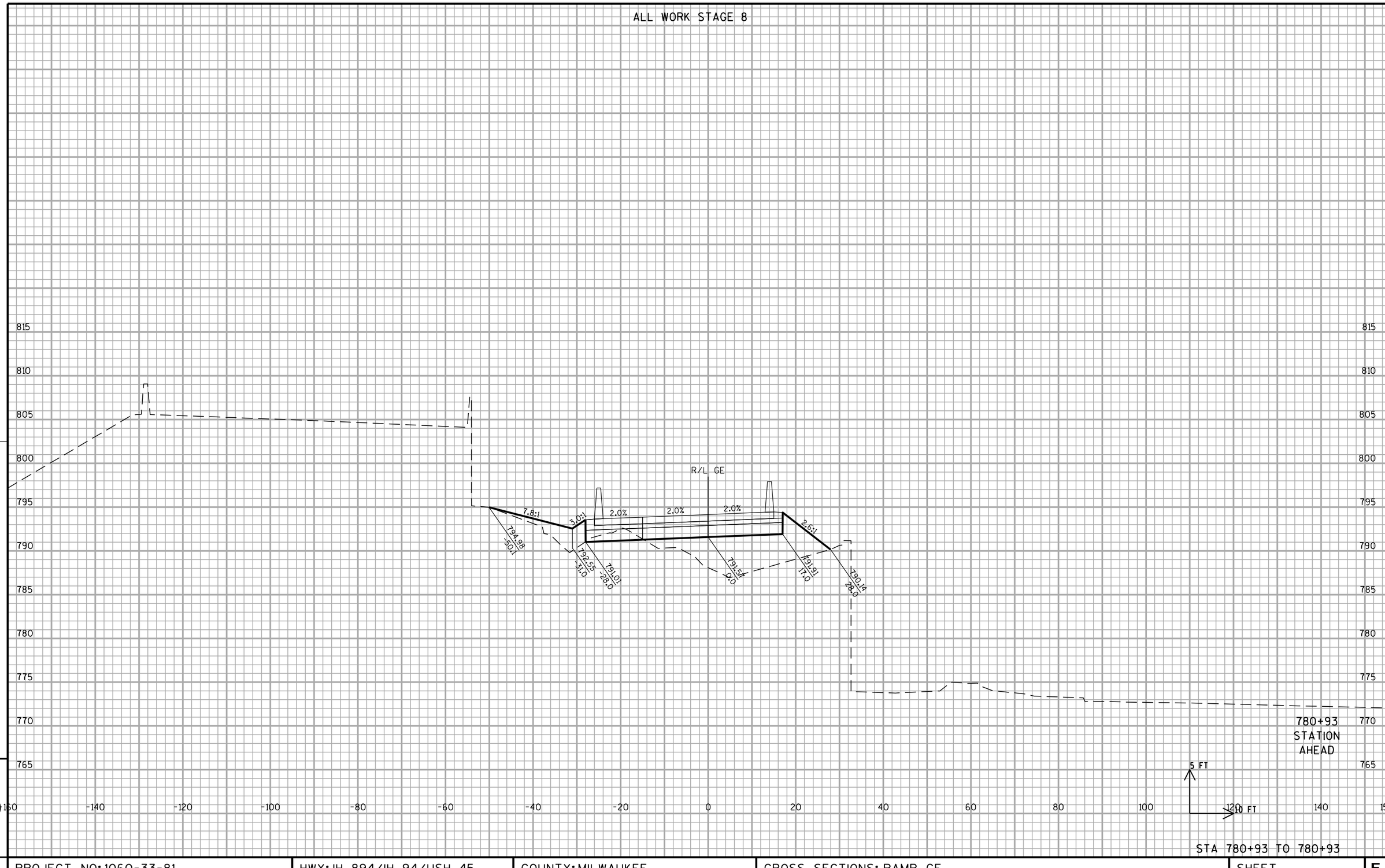
ALL WORK STAGE 8



STA 779+79 TO 779+79

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8



STA 780+93 TO 780+93

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

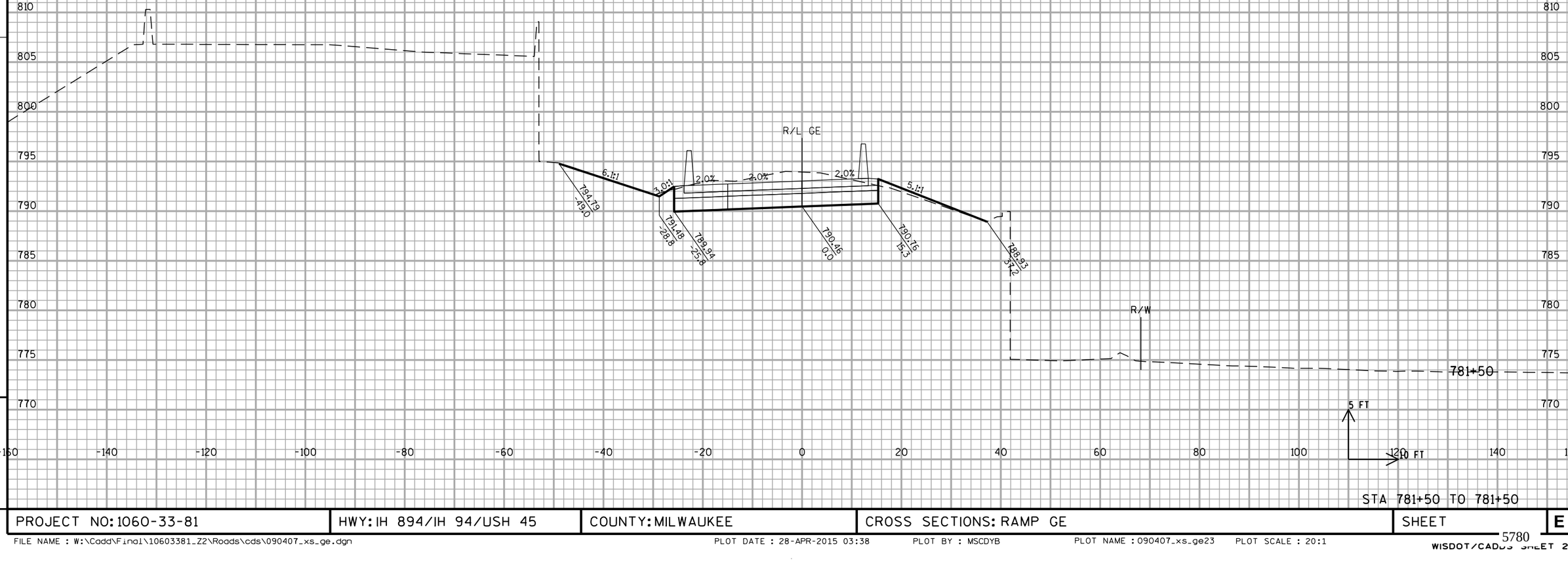
ALL WORK STAGE 8



STA 781+00 TO 781+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8



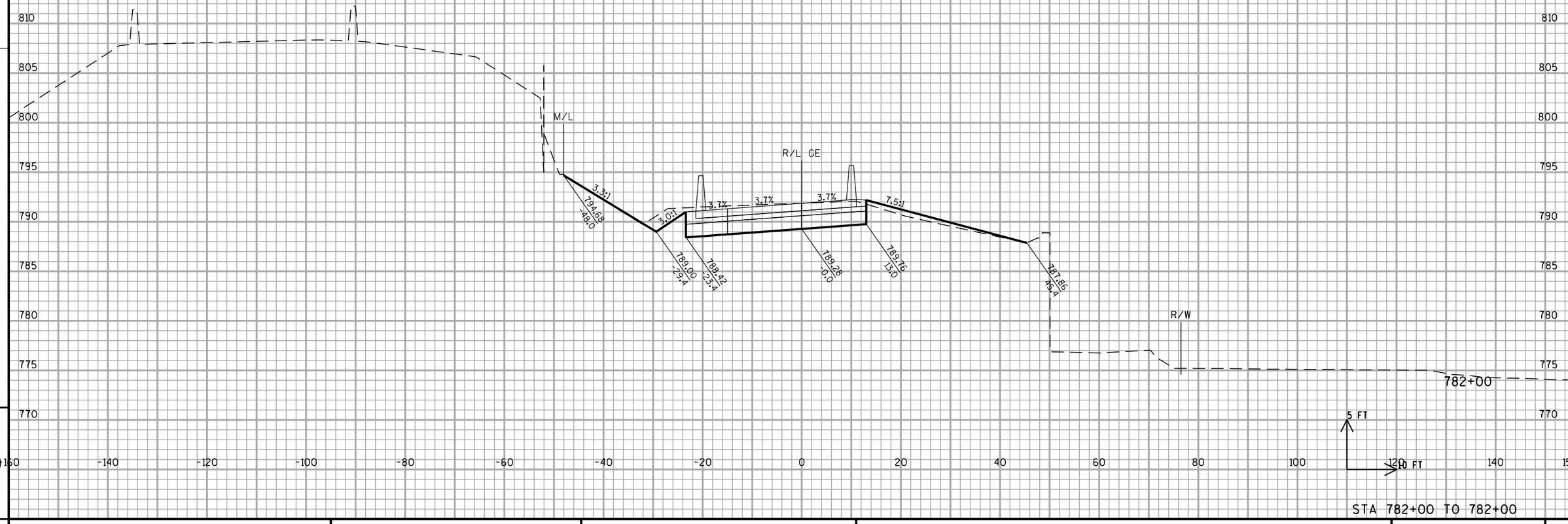
STA 781+50 TO 781+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge23 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



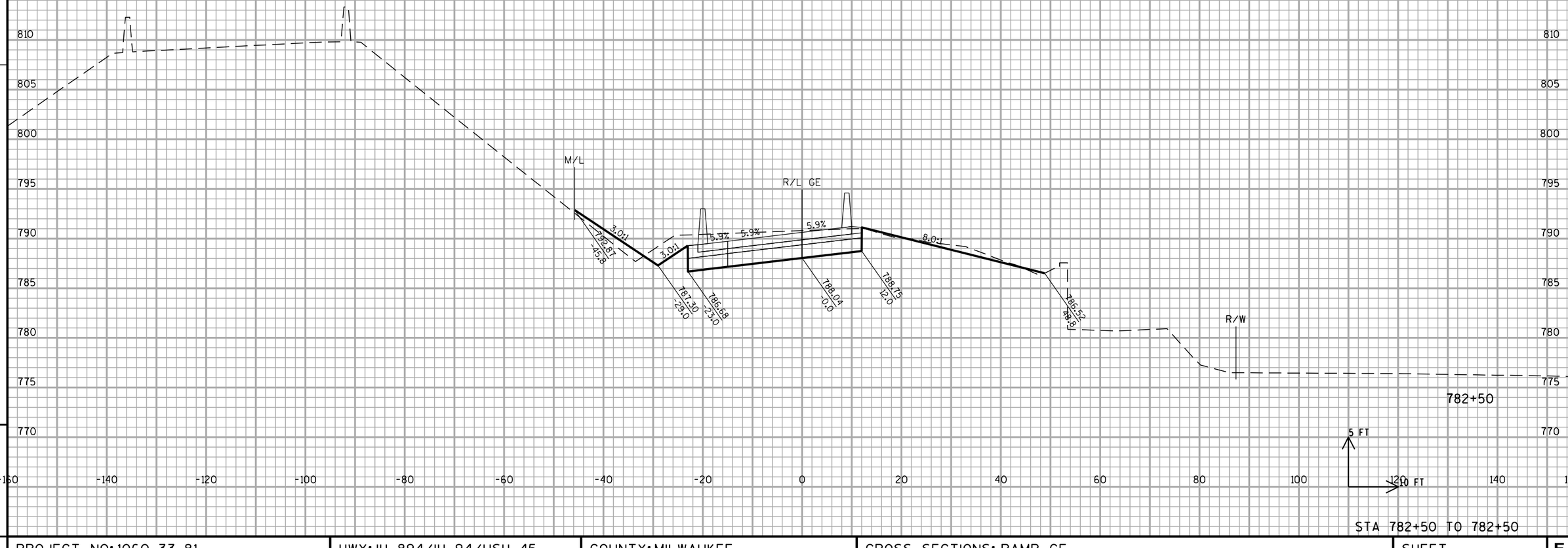
STA 782+00 TO 782+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



782+50

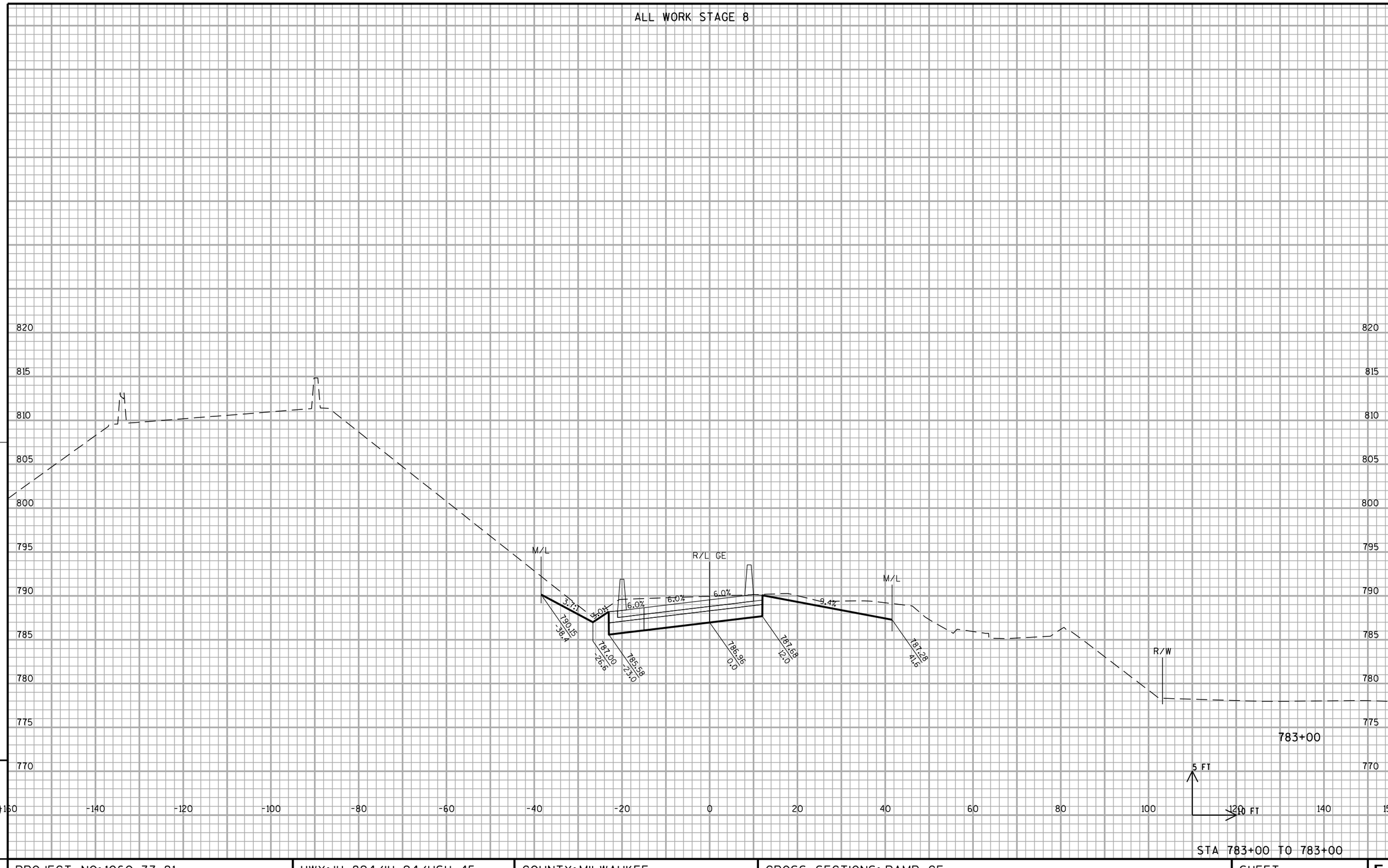
STA 782+50 TO 782+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge25 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

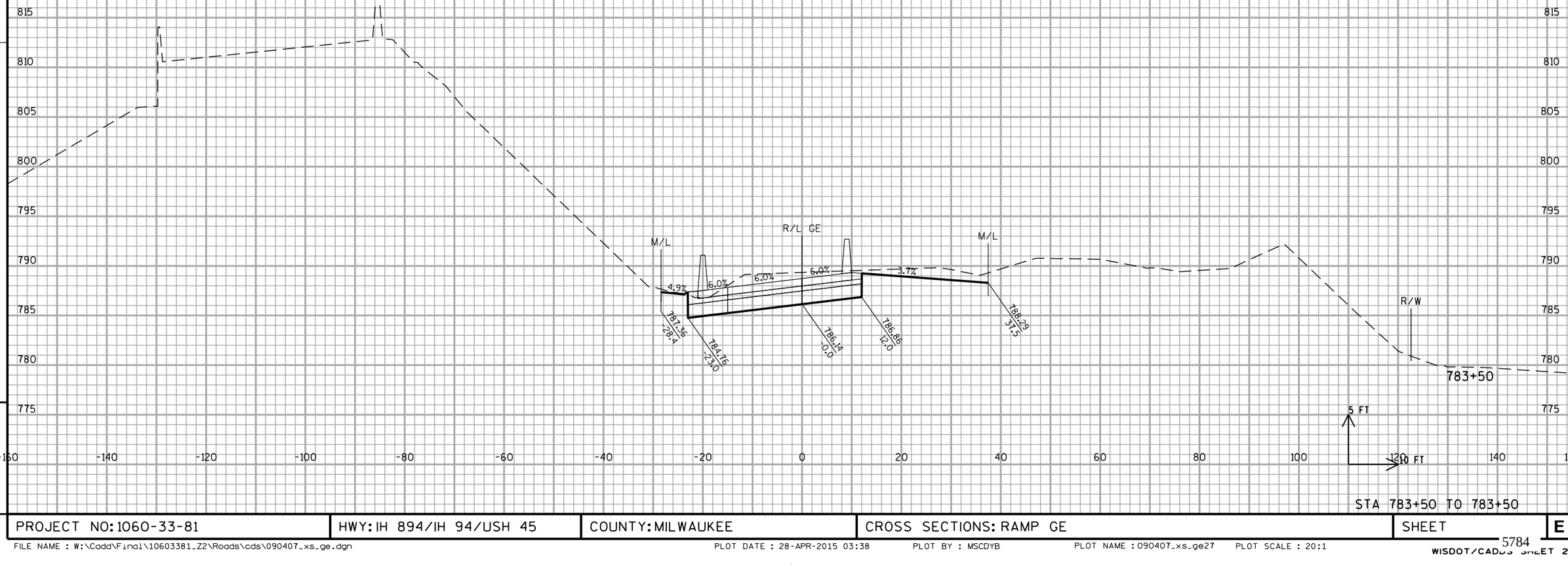


STA 783+00 TO 783+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge26 PLOT SCALE : 20:1

ALL WORK STAGE 8



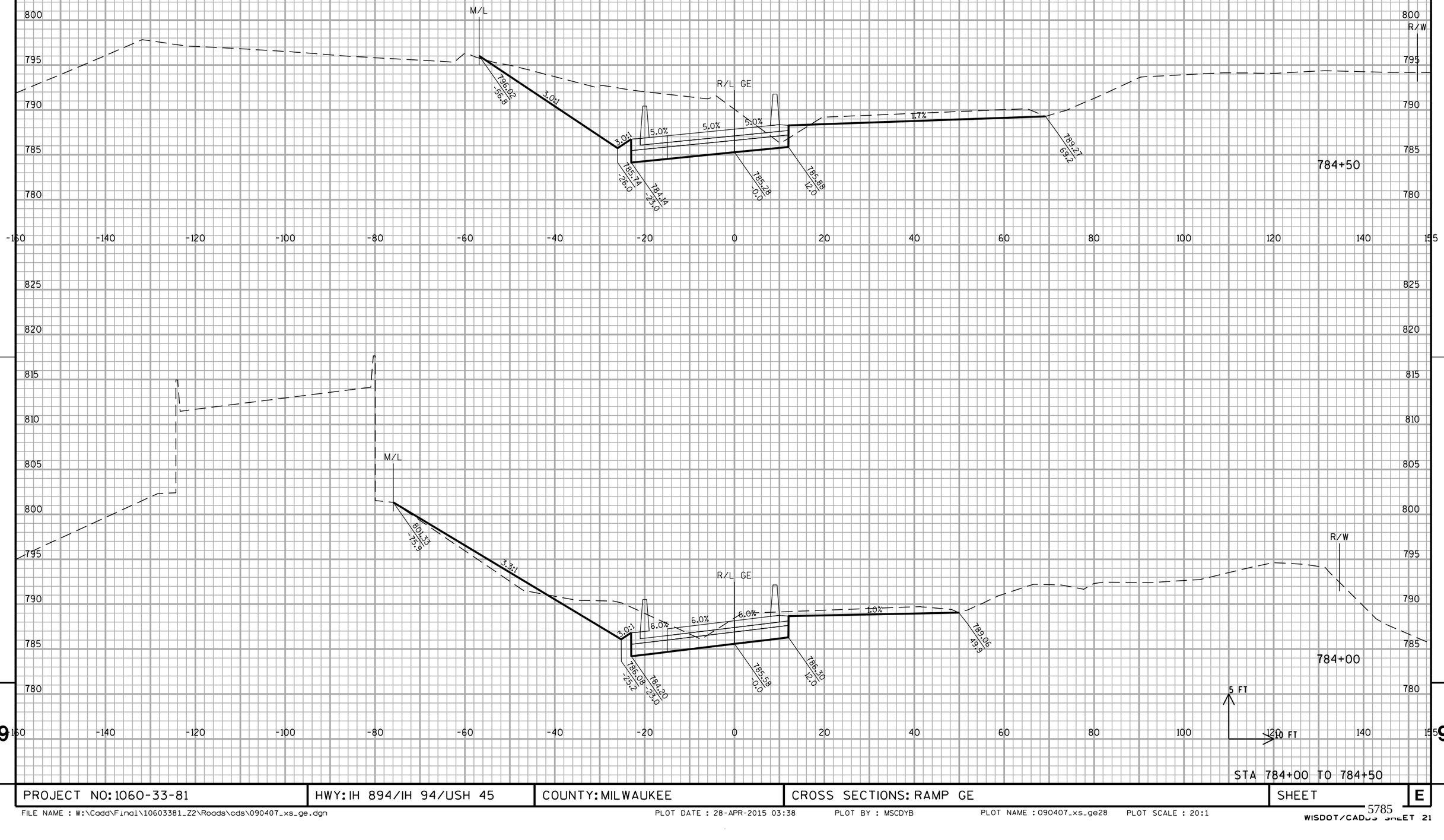
STA 783+50 TO 783+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge27 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

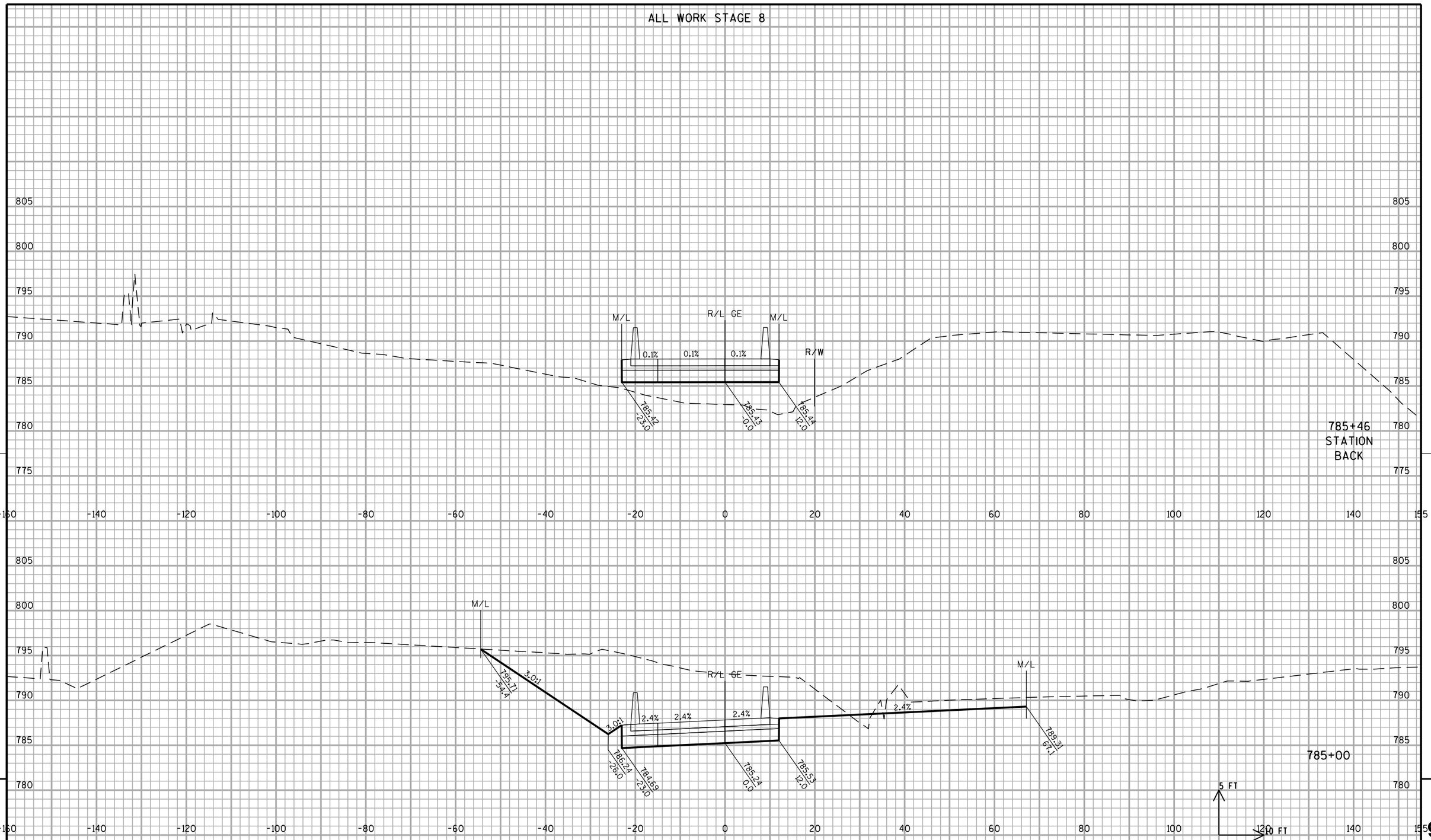
ALL WORK STAGE 8



STA 784+00 TO 784+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

ALL WORK STAGE 8

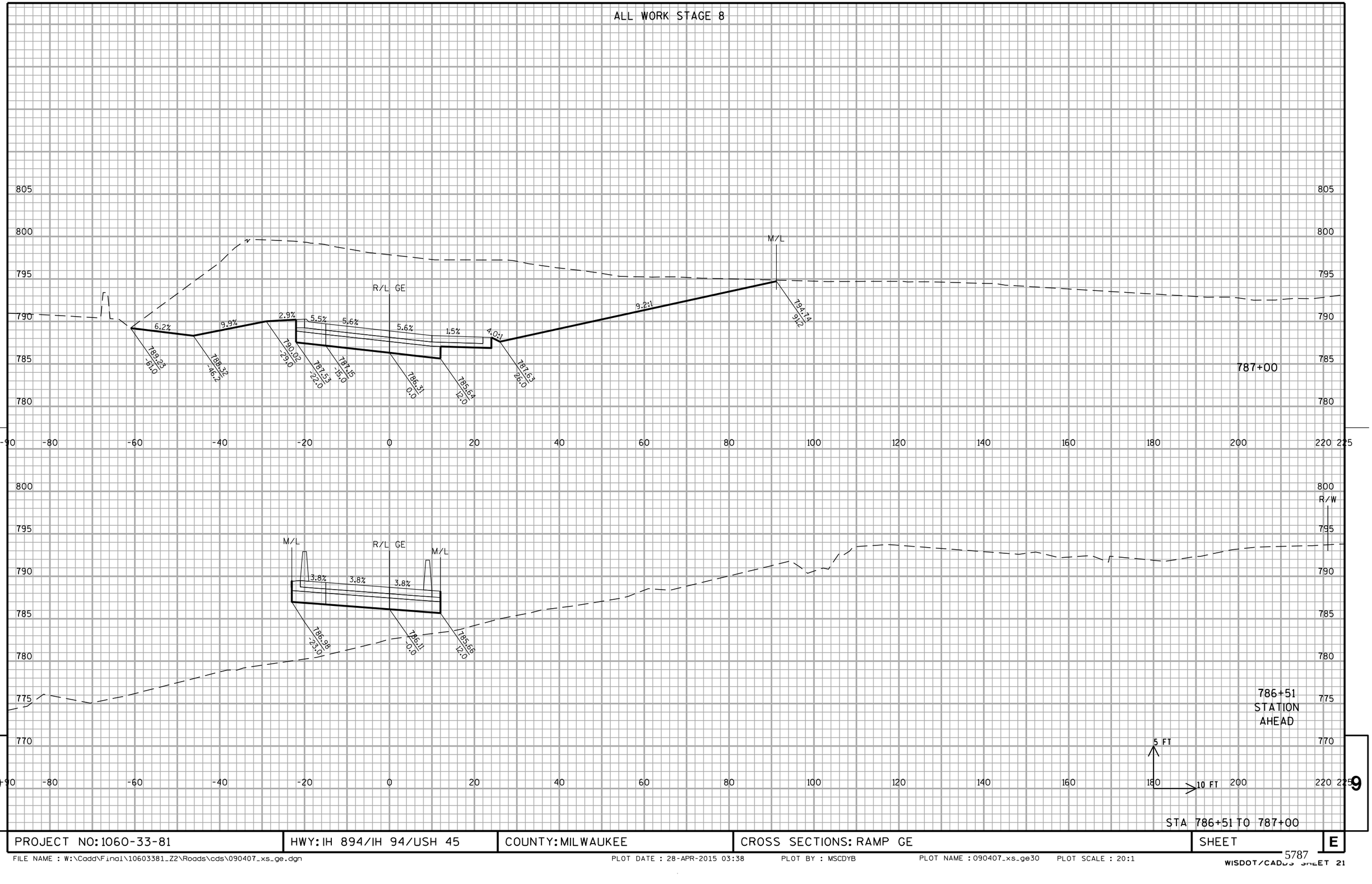


STA 785+00 TO 785+46

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge29 PLOT SCALE : 20:1

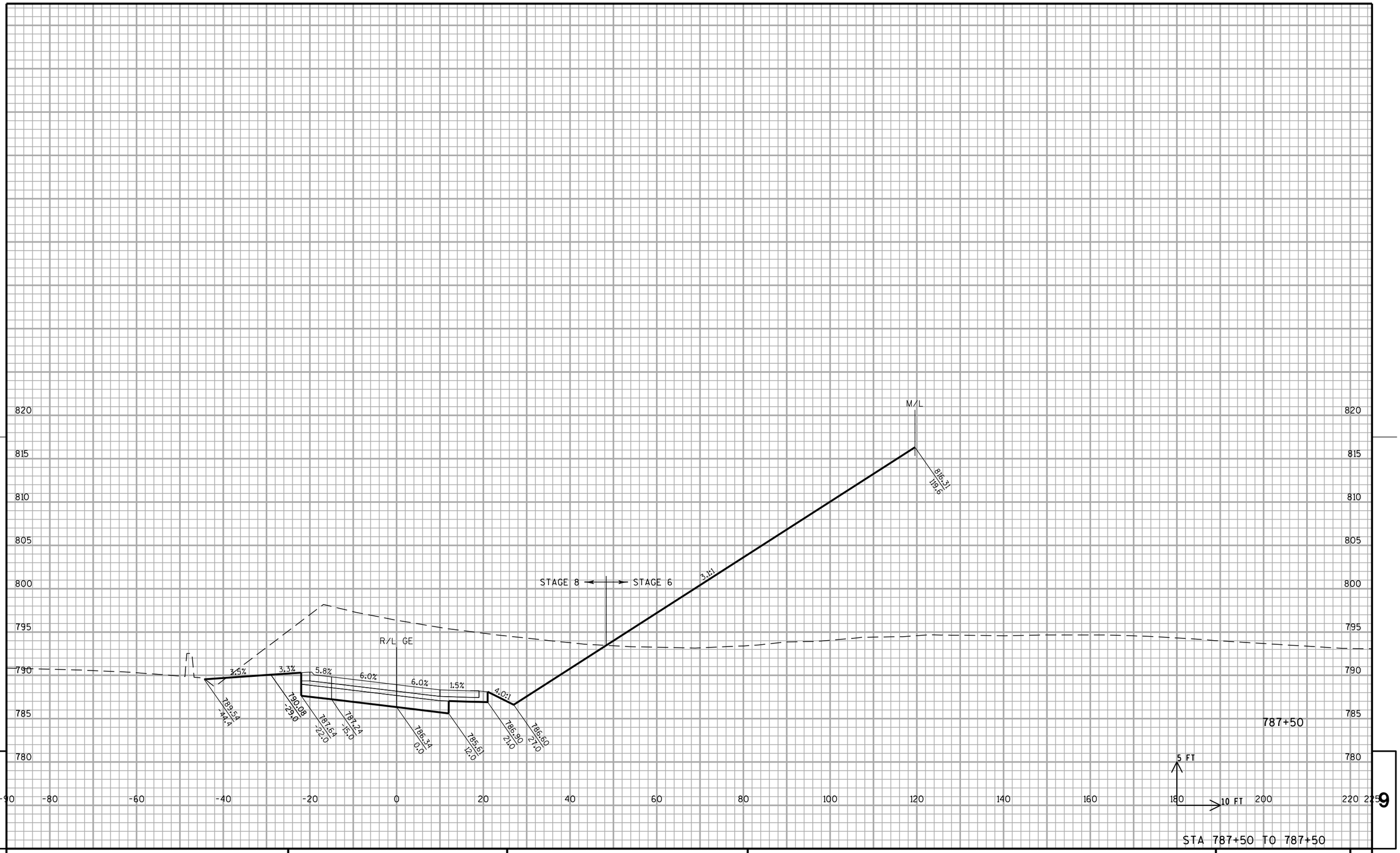
ALL WORK STAGE 8



STA 786+51 TO 787+00

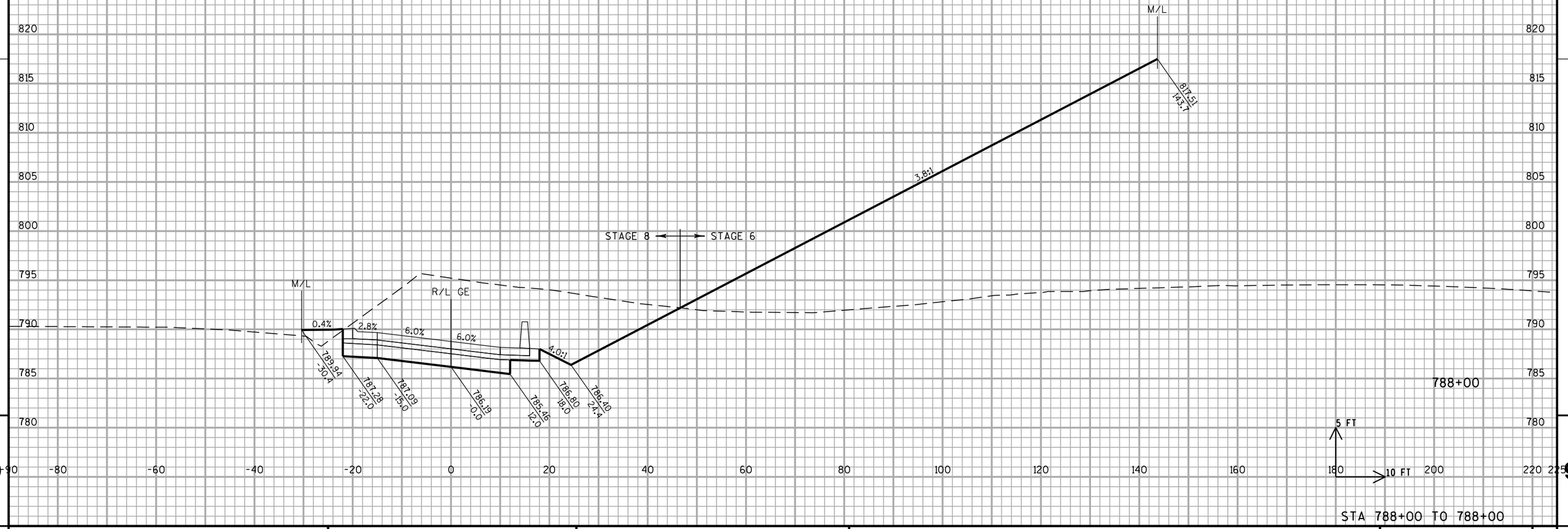
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge30 PLOT SCALE : 20:1



STA 787+50 TO 787+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

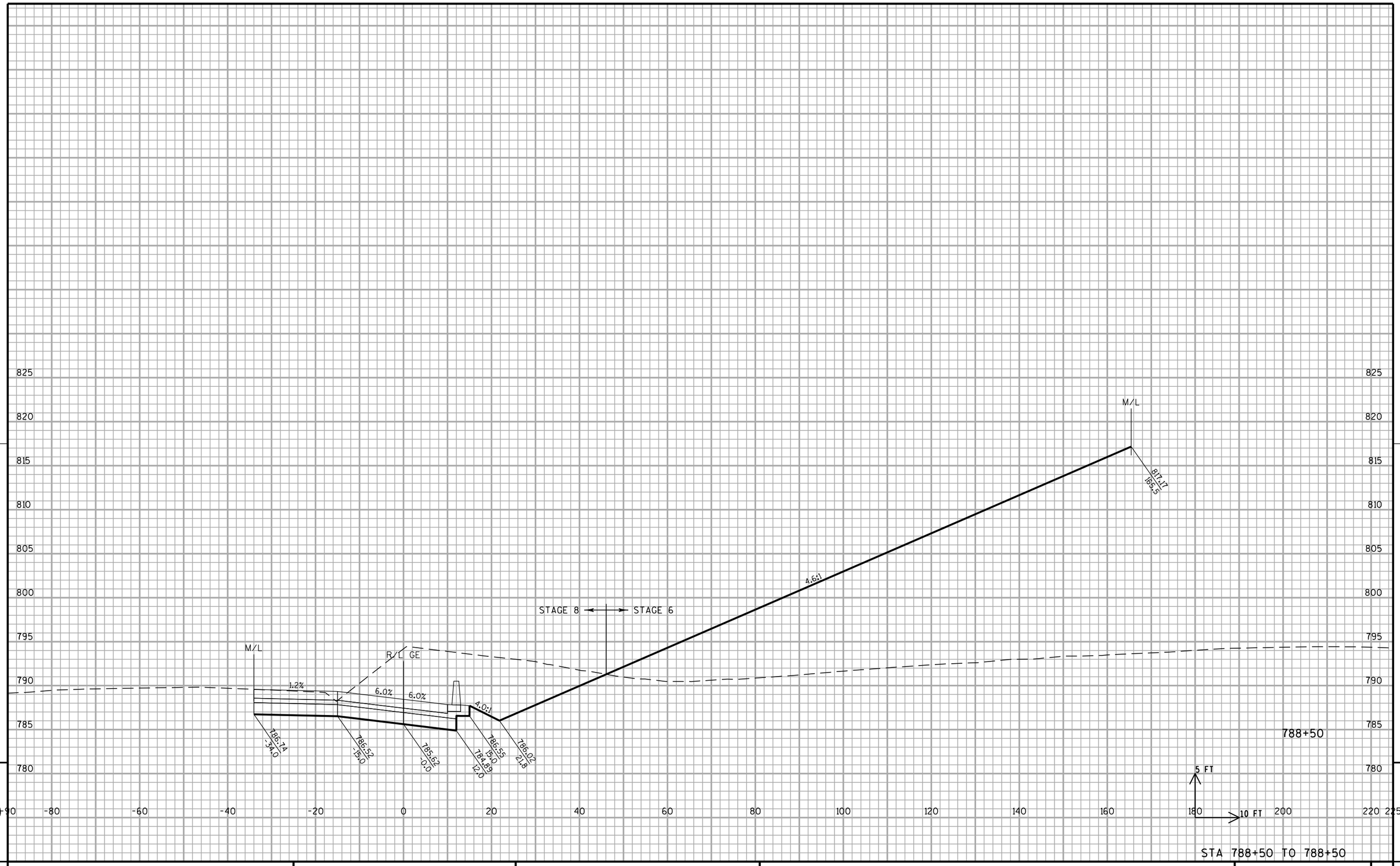


9 9

STA 788+00 TO 788+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge32 PLOT SCALE : 20:1



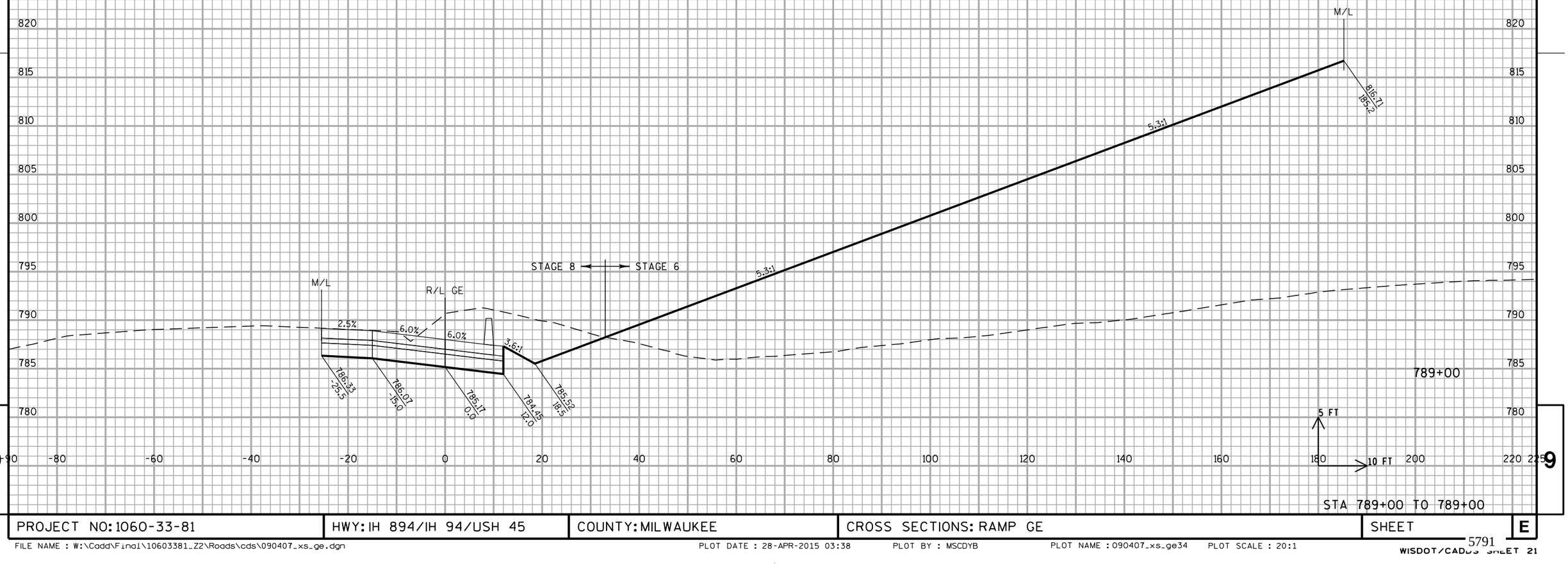
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

STA 788+50 TO 788+50

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge33 PLOT SCALE : 20:1

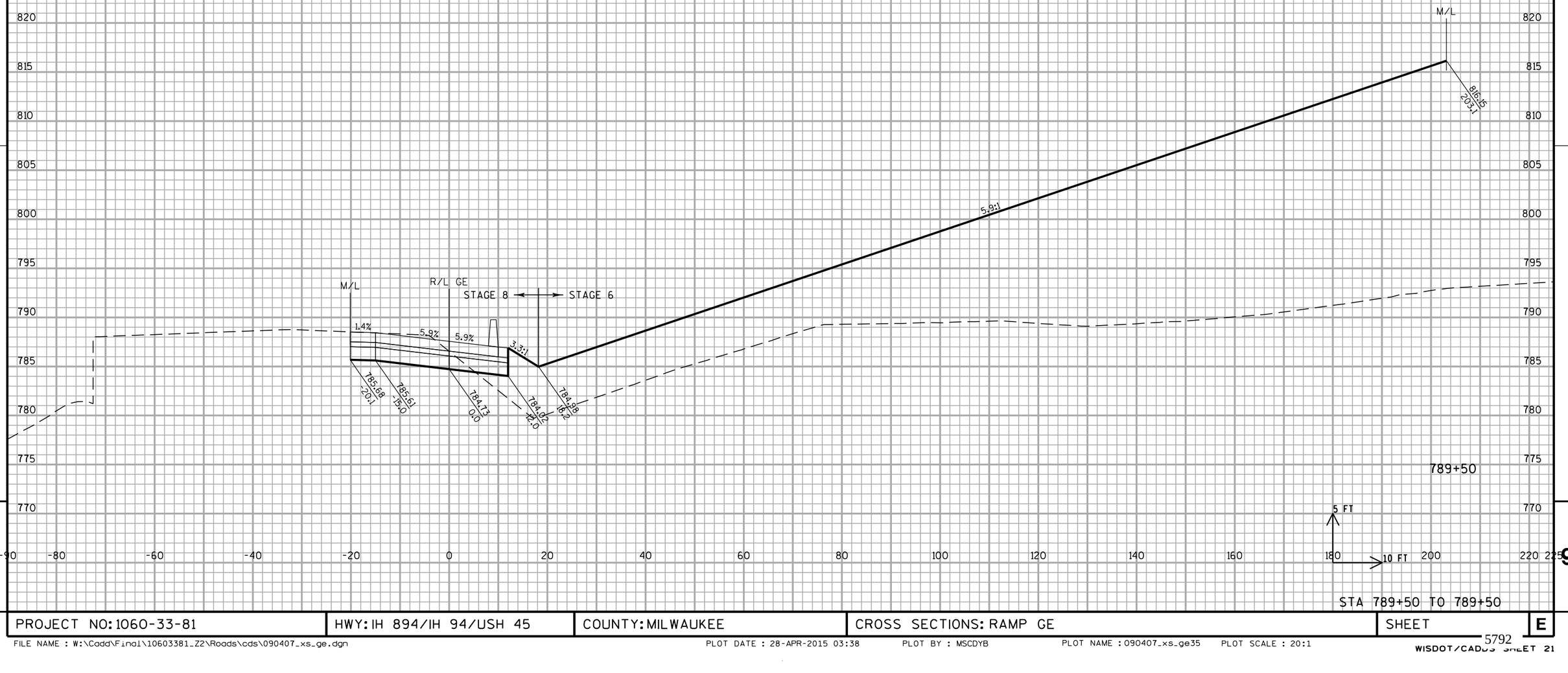


9

STA 789+00 TO 789+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge34 PLOT SCALE : 20:1



STA 789+50 TO 789+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge35 PLOT SCALE : 20:1

820
815
810
805
800
795
790
785
780
775
770
765
760

M/L 820
815
810

6.5:1

815.95
2.17
6

R/L GE
STAGE 8 ← → STAGE 6

M/L
4.0%
4.0%
4.0%
3.0:1
6.5:1

785.06
-18.0
784.33
0.0
783.85
12.0
784.68
18.0

789+95
STATION
BACK

5 FT
10 FT

-100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 225

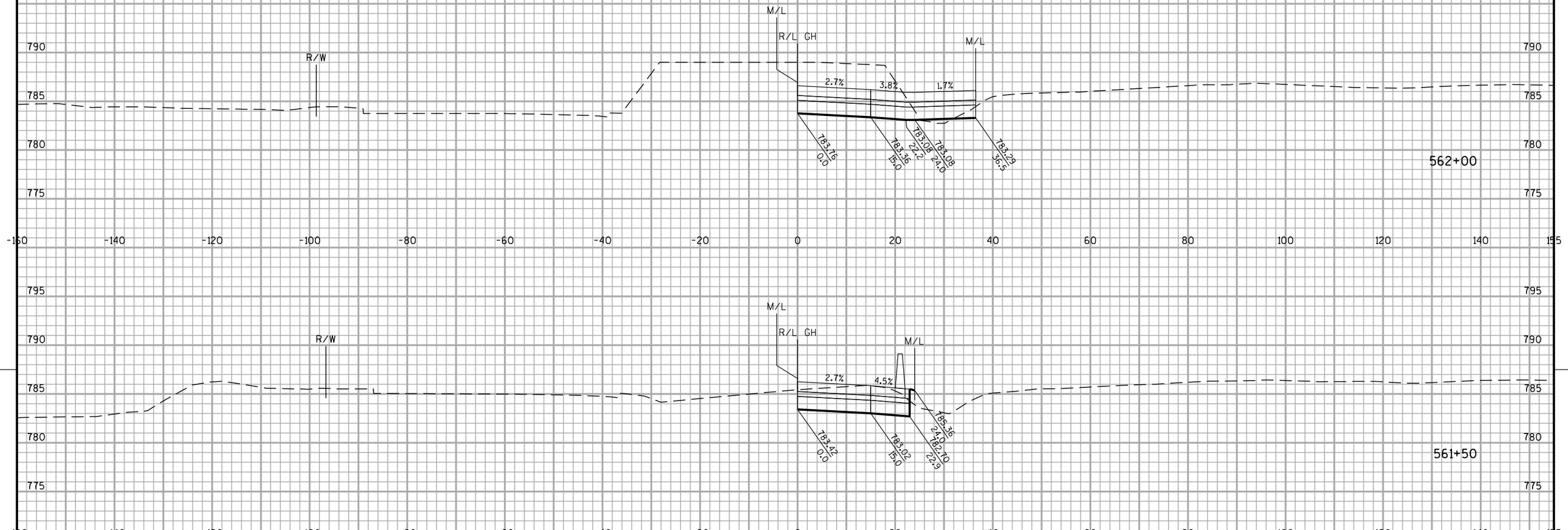
9 9

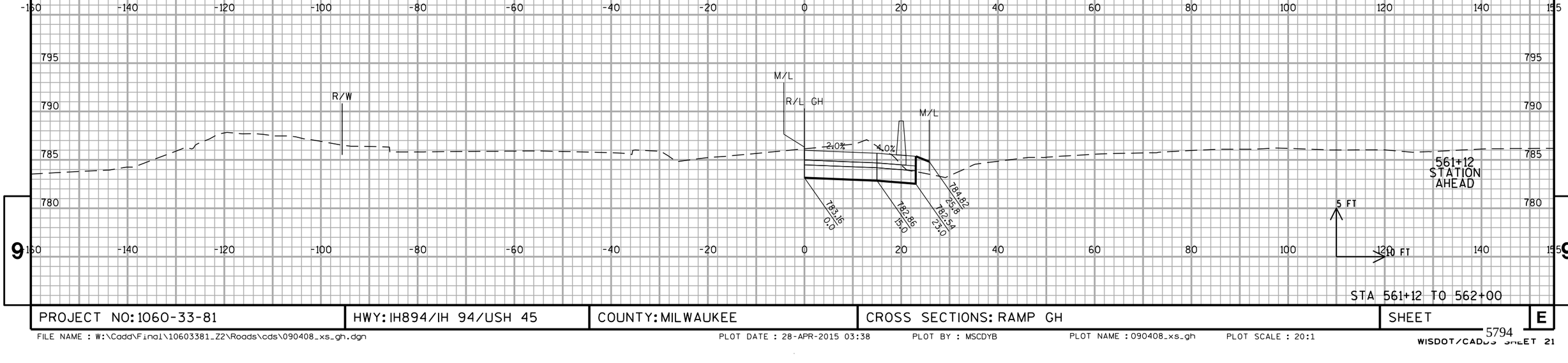
STA 789+95 TO 789+95

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090407_xs_ge.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090407_xs_ge36 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

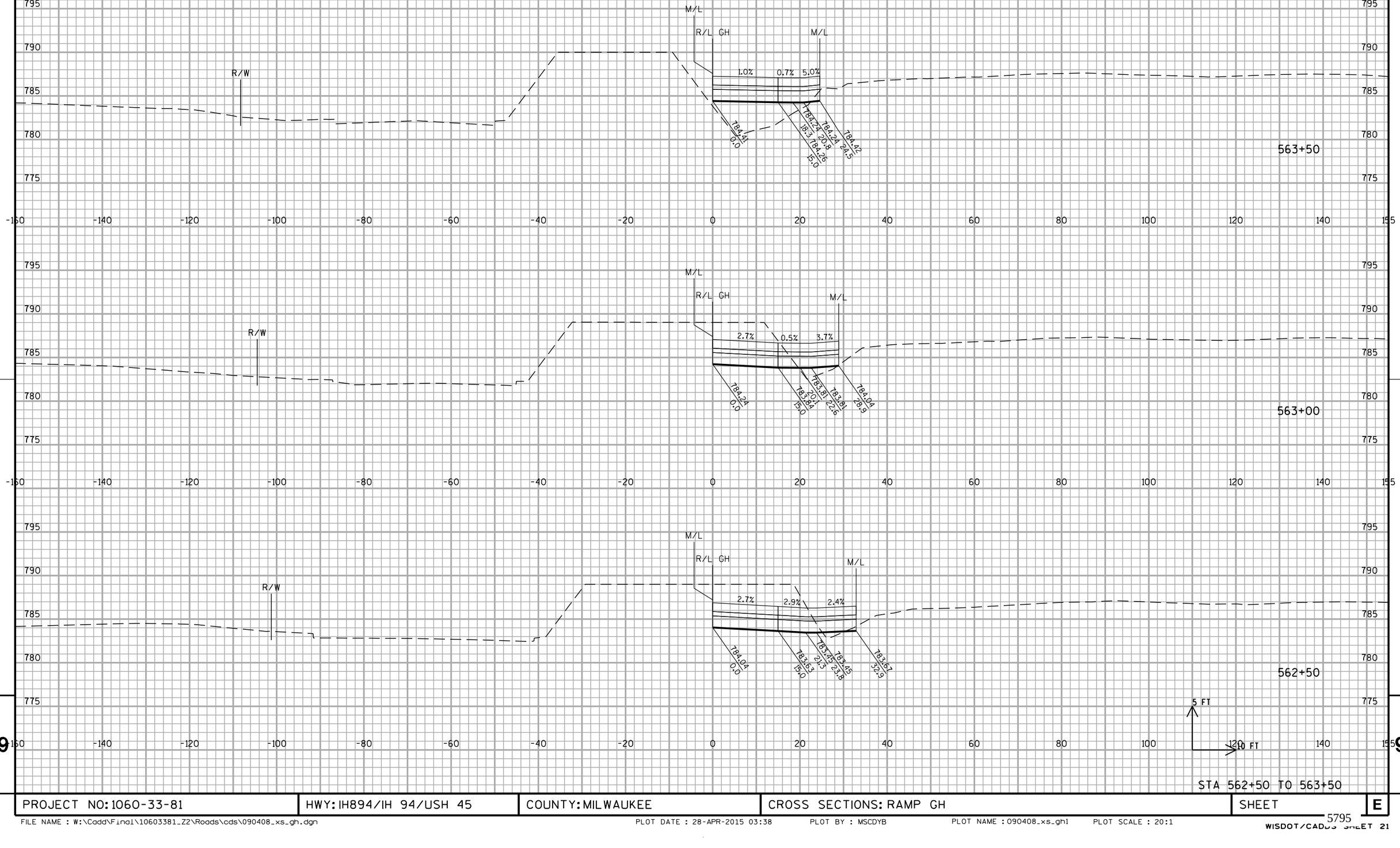




STA 561+12 TO 562+00

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GH	SHEET	E

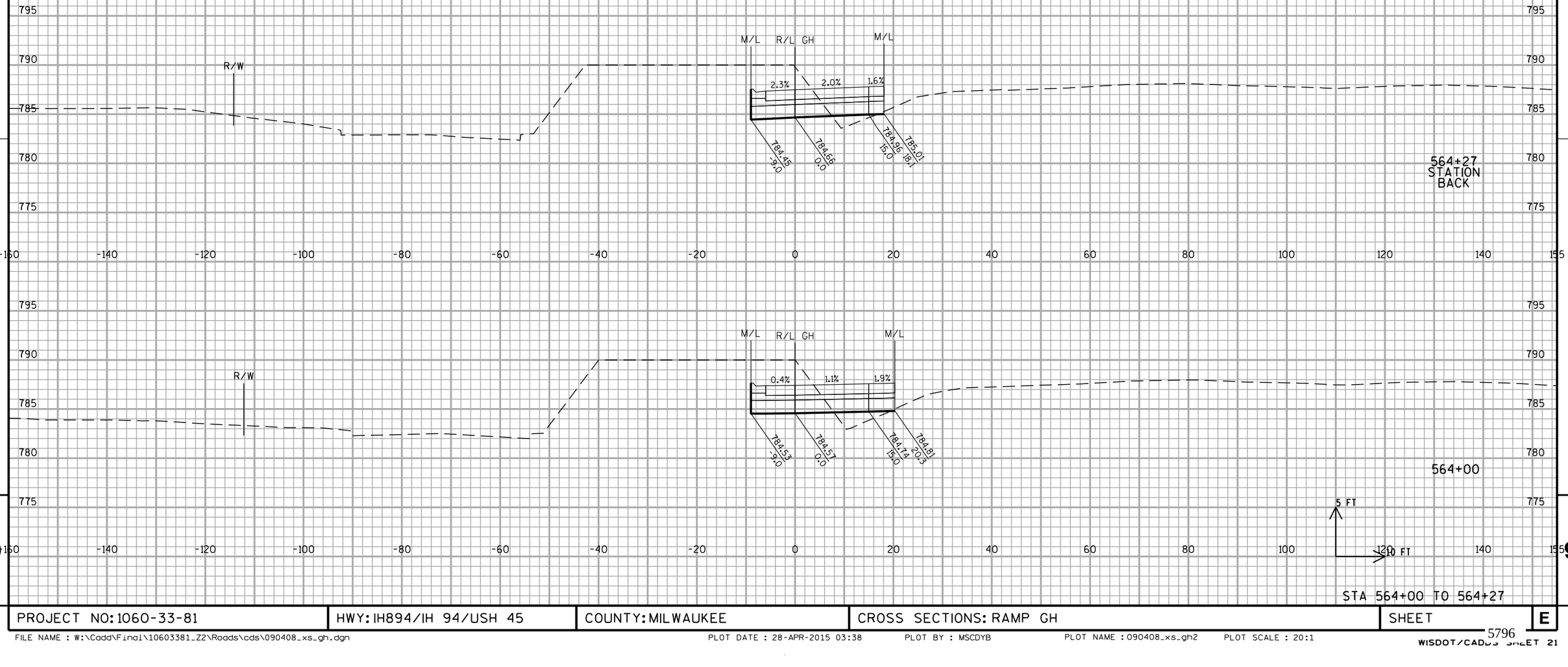
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090408_xs_gh.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090408_xs_gh1 PLOT SCALE : 20:1

ALL WORK STAGE 6

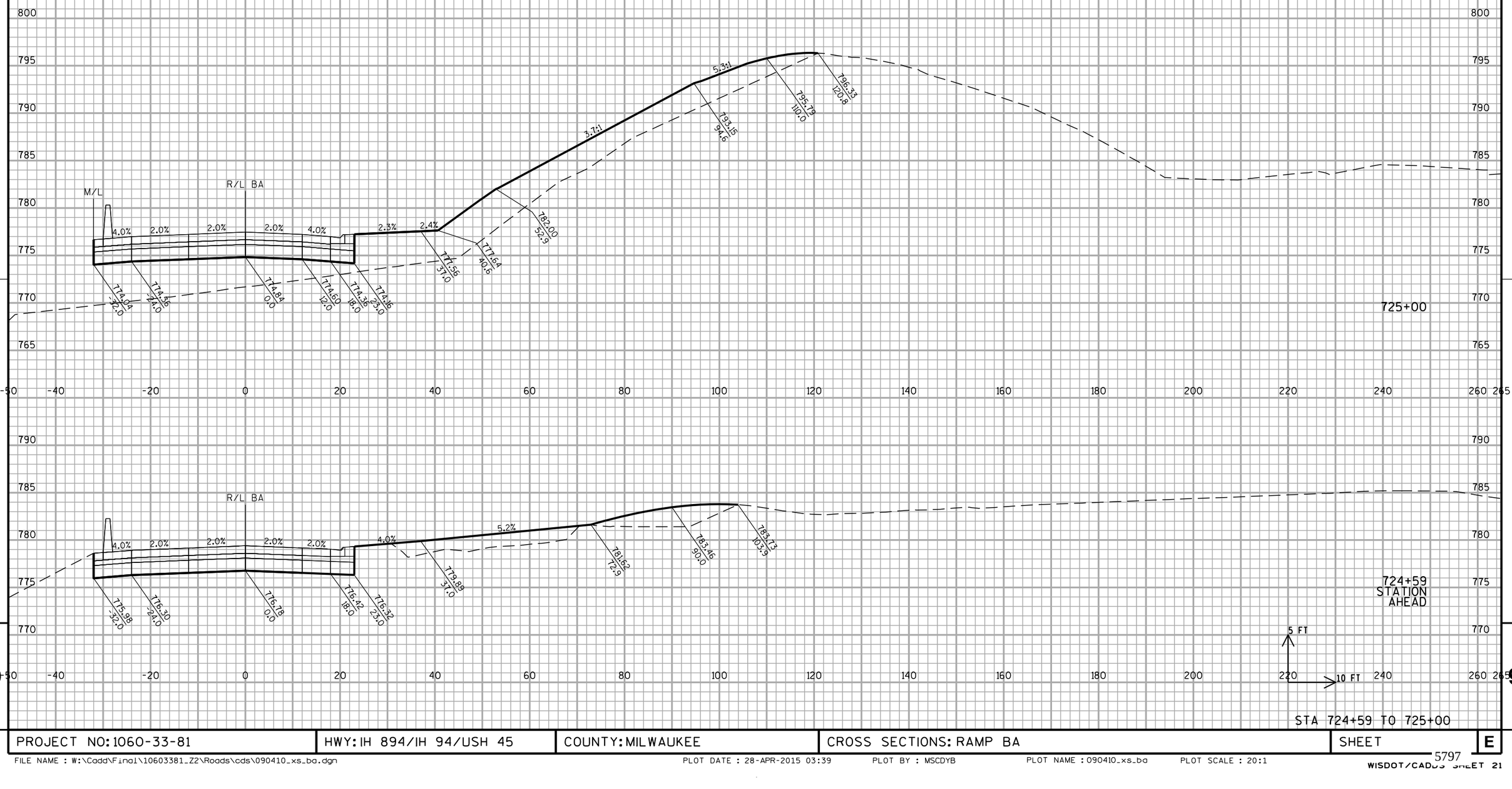


STA 564+00 TO 564+27

PROJECT NO: 1060-33-81	HWY: IH894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP GH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090408_xs_gh.dgn PLOT DATE : 28-APR-2015 03:38 PLOT BY : MSCDYB PLOT NAME : 090408_xs_gh2 PLOT SCALE : 20:1

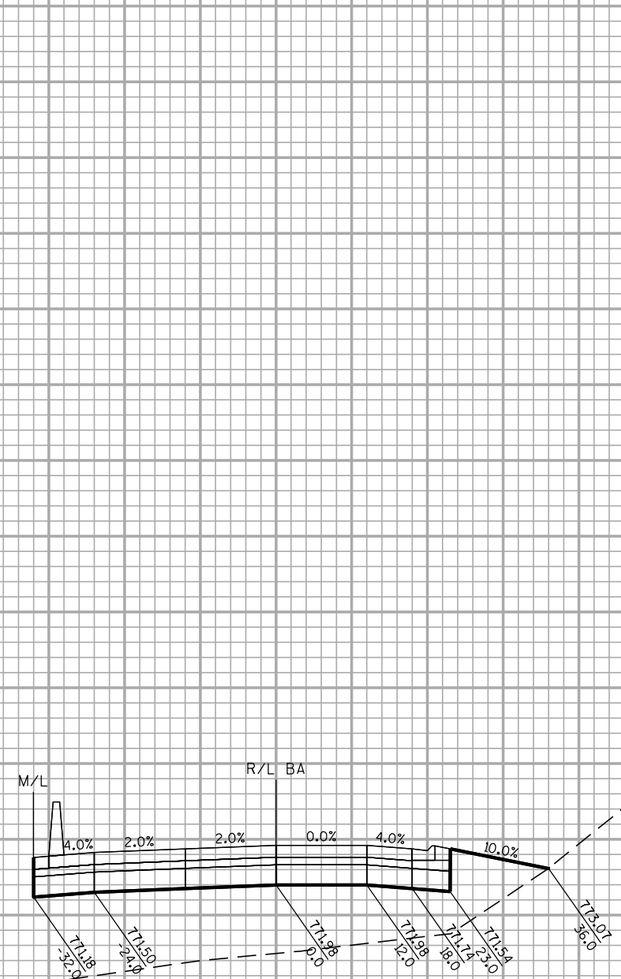
ALL WORK STAGE 4



STA 724+59 TO 725+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

ALL WORK STAGE 4



725+50

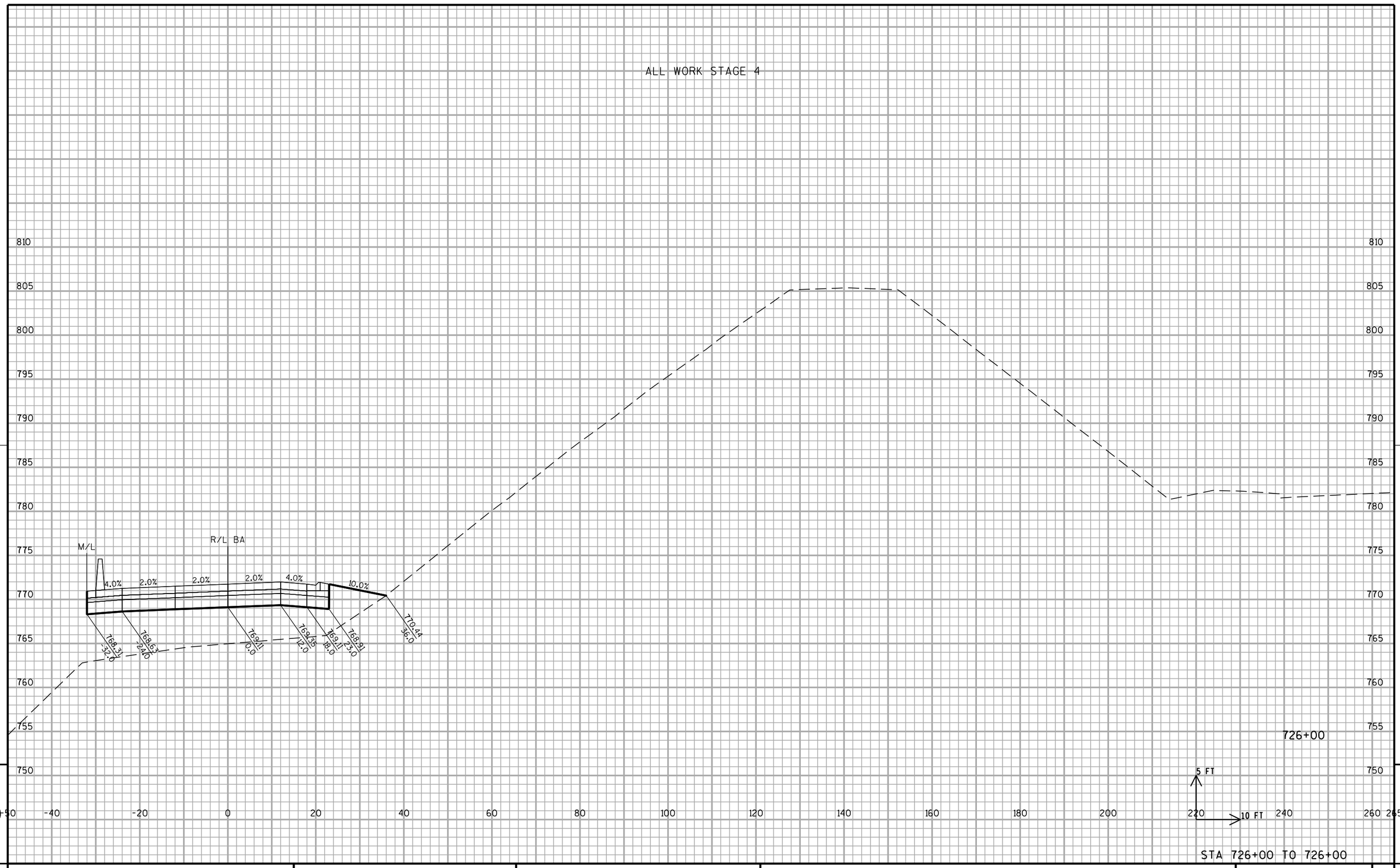
5 FT
10 FT

STA 725+50 TO 725+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba1 PLOT SCALE : 20:1

ALL WORK STAGE 4

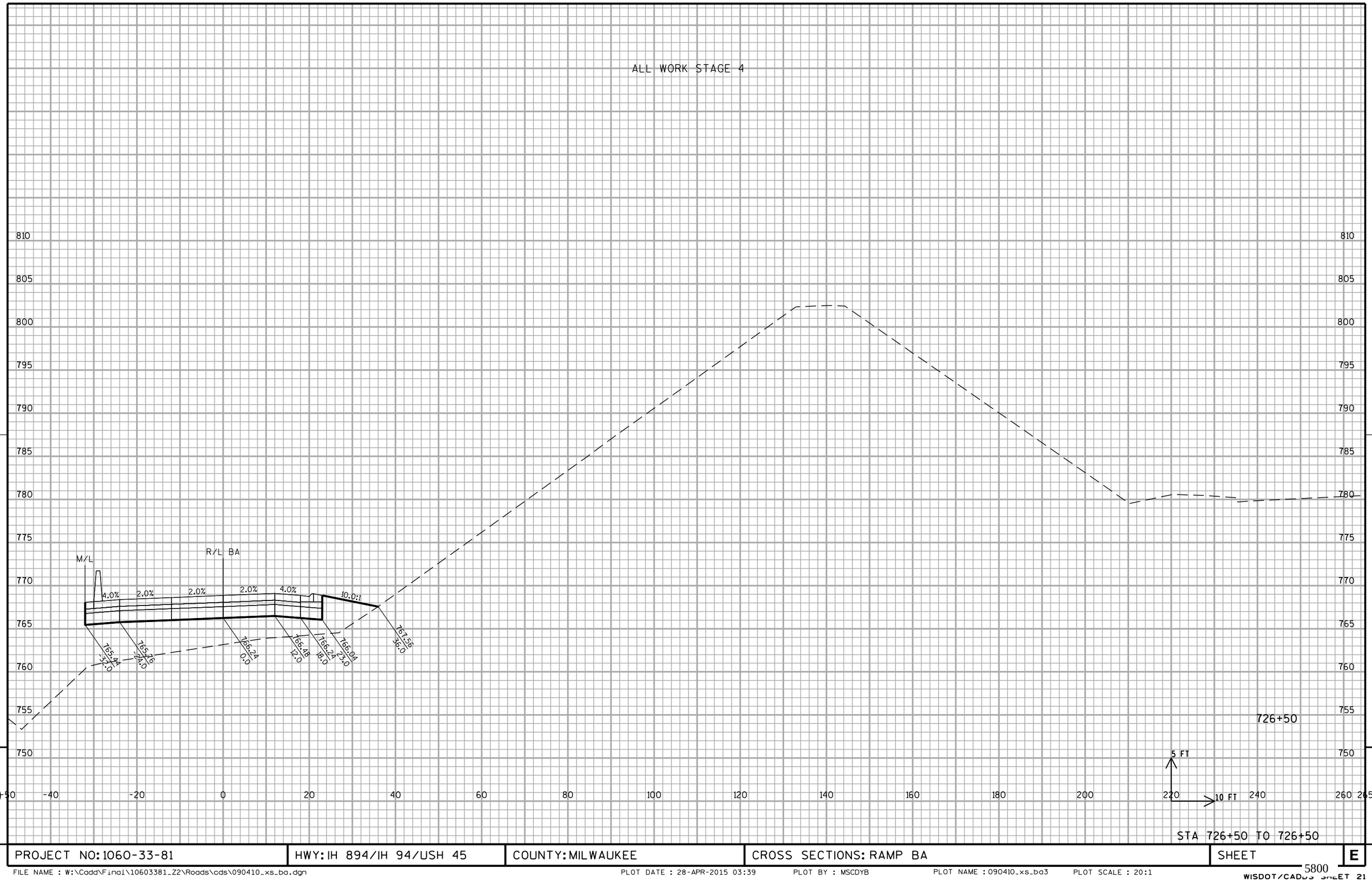


STA 726+00 TO 726+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba2 PLOT SCALE : 20:1

ALL WORK STAGE 4

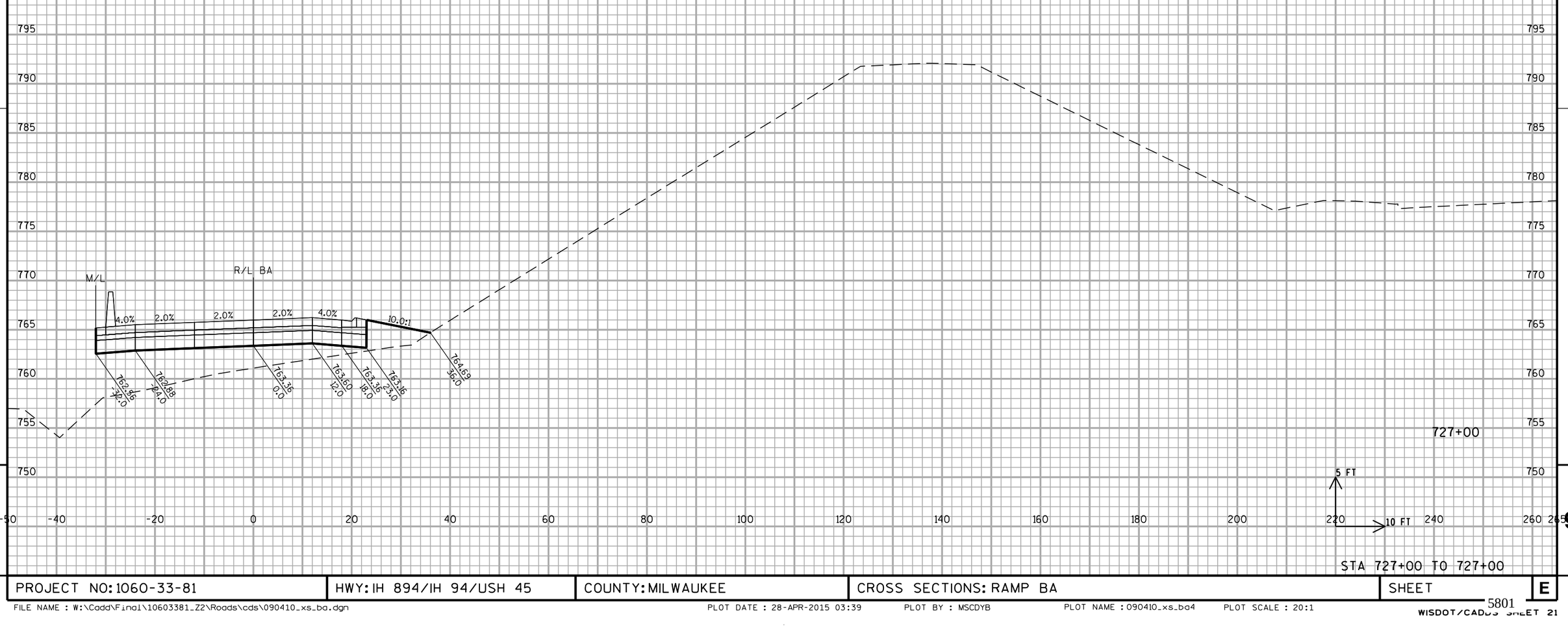


STA 726+50 TO 726+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba3 PLOT SCALE : 20:1

ALL WORK STAGE 4



9

9

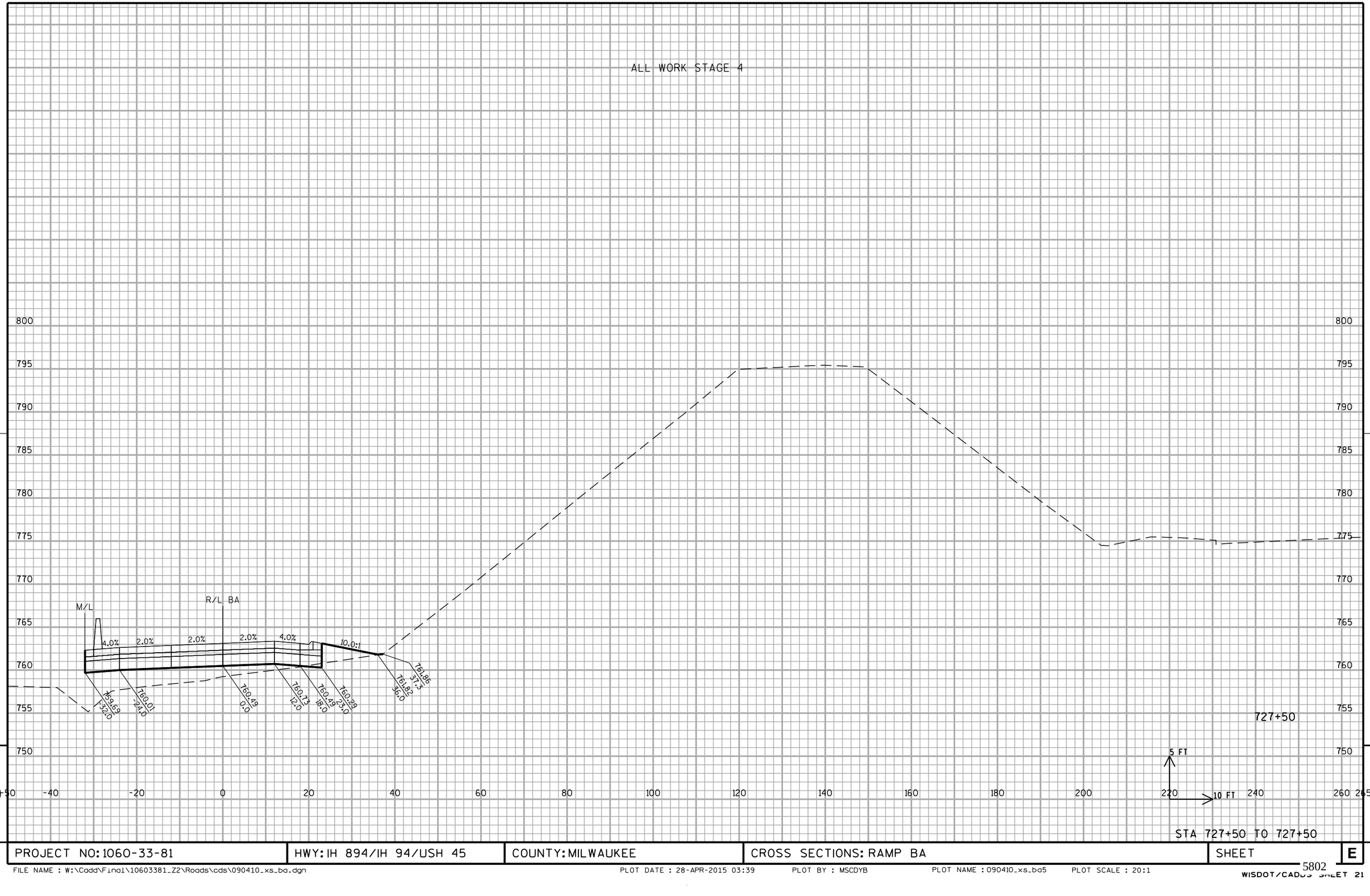
STA 727+00 TO 727+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



STA 727+50 TO 727+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

795
790
785
780
775
770
765
760
755
750

M/L
R/L BA

4.0% 2.0% 2.0% 2.0% 4.0% 10.0% 4.2%

756.90 -32.0
757.22 -24.0
757.10 0.0
757.91 12.0
757.70 18.0
757.50 23.0
759.03 36.0
759.35 43.9
762.72 51.7

728+00

-50 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 265

5 FT
10 FT

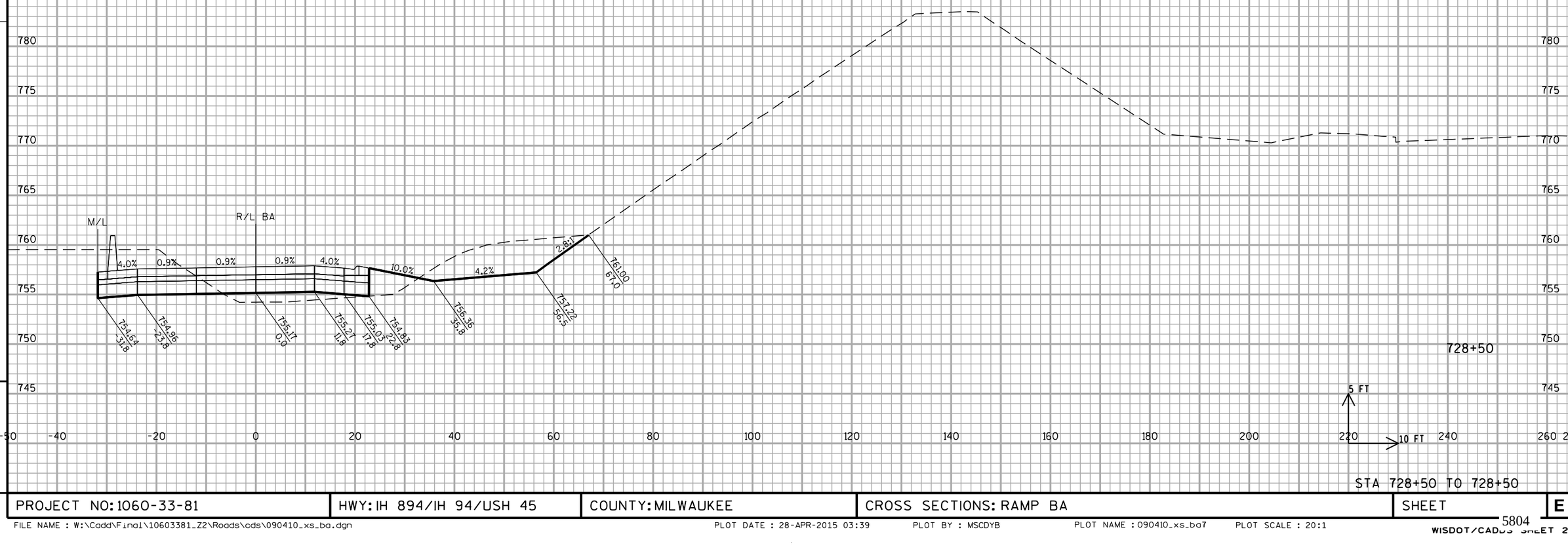
STA 728+00 TO 728+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba6 PLOT SCALE : 20:1

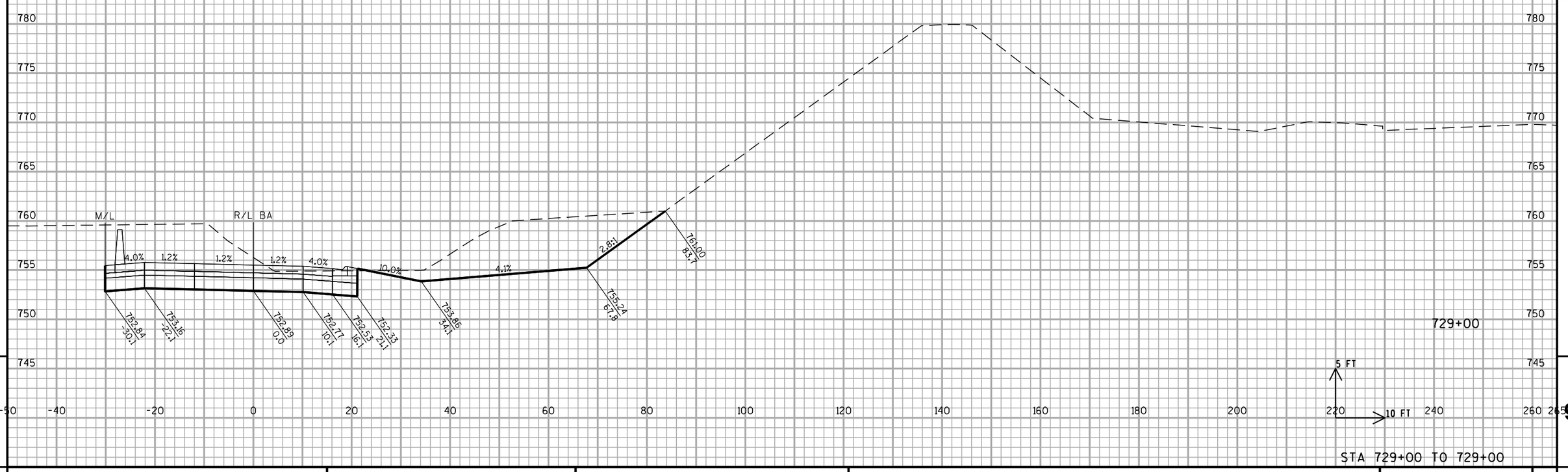
ALL WORK STAGE 4



STA 728+50 TO 728+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

ALL WORK STAGE 4



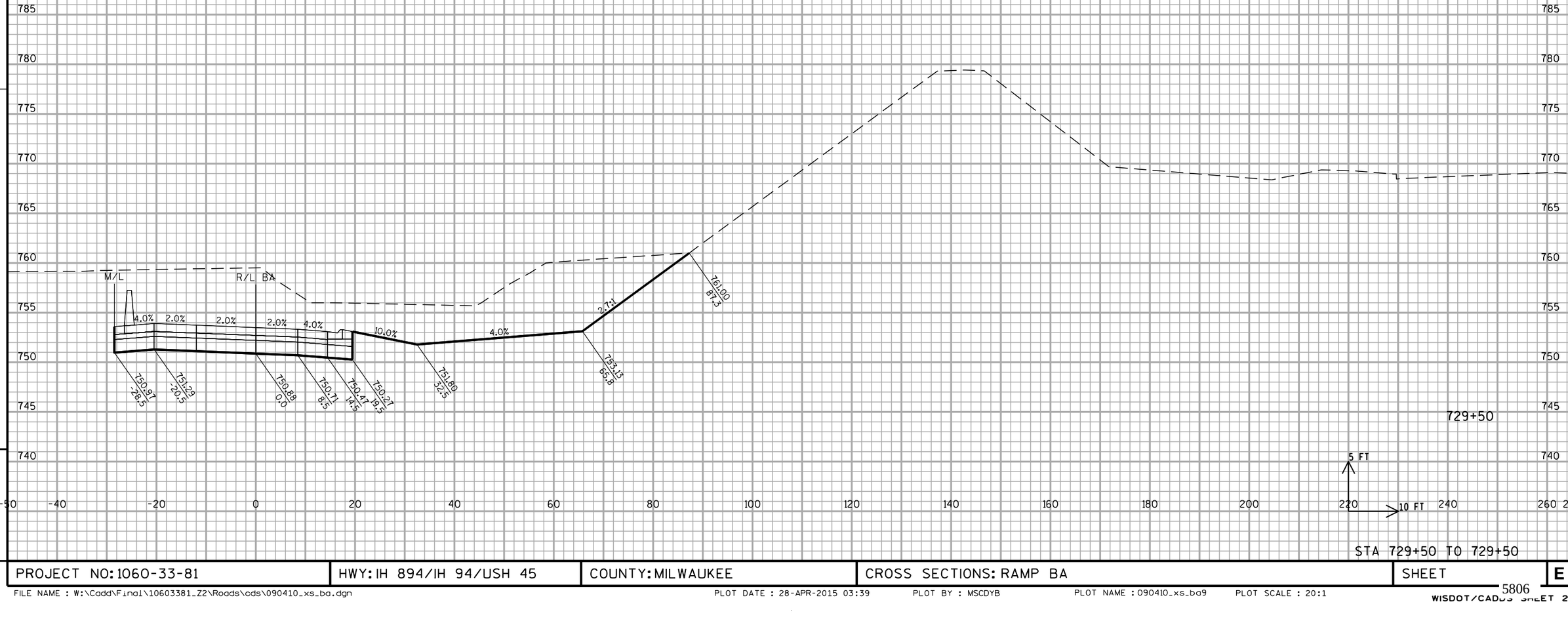
STA 729+00 TO 729+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

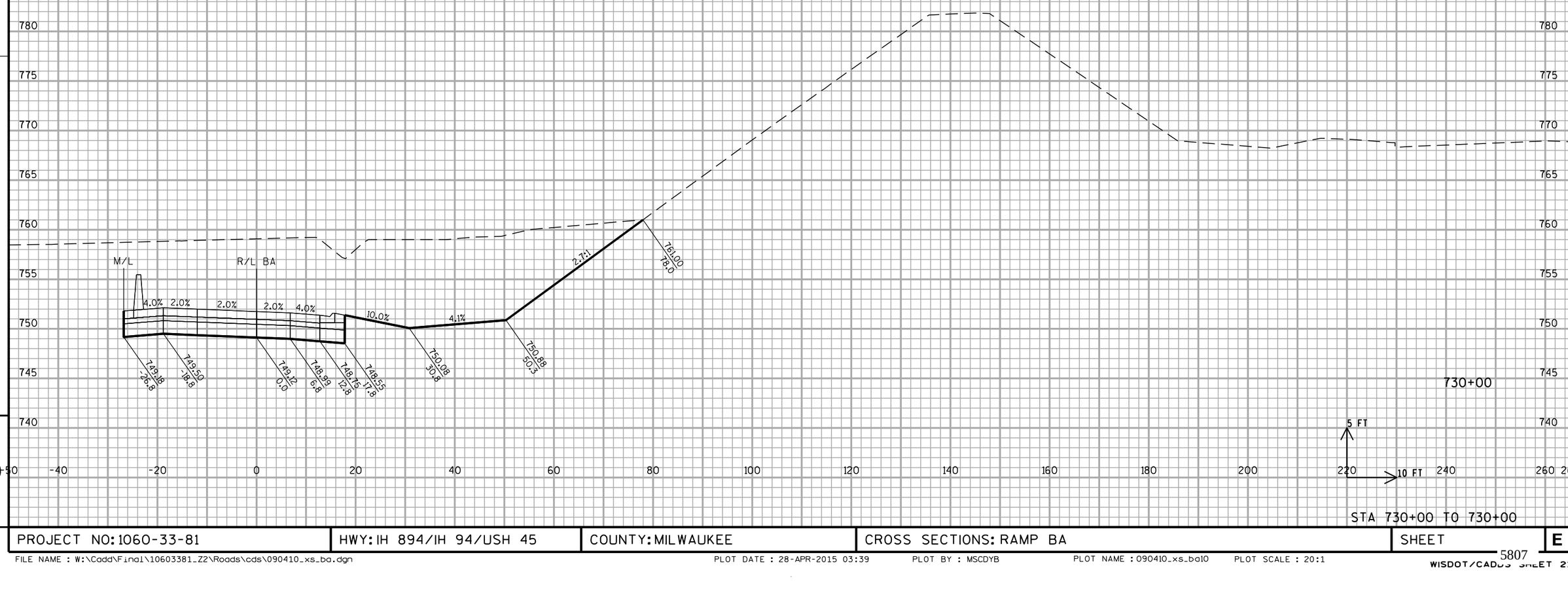


STA 729+50 TO 729+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba9 PLOT SCALE : 20:1

ALL WORK STAGE 4

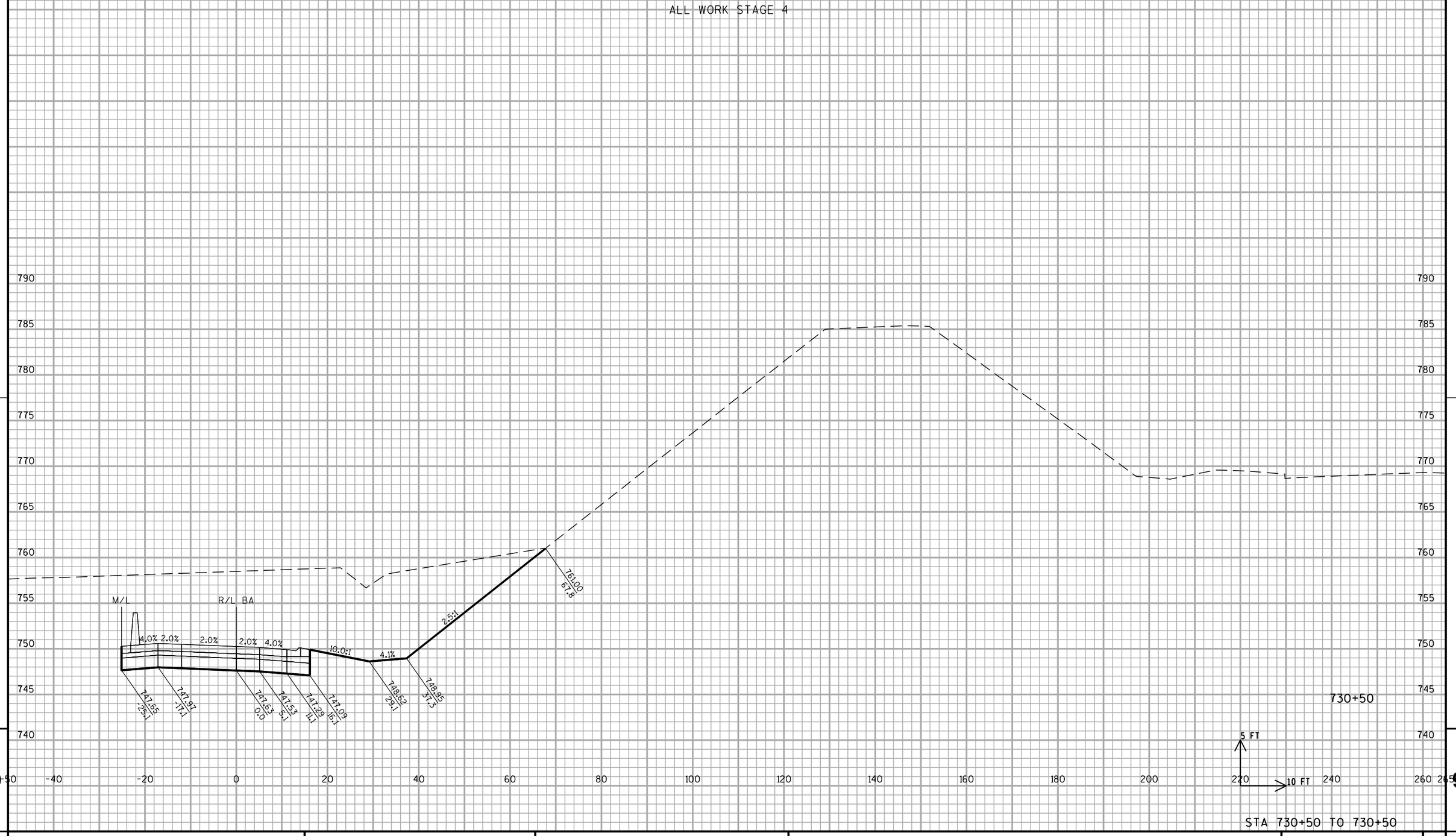


STA 730+00 TO 730+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba10 PLOT SCALE : 20:1

ALL WORK STAGE 4

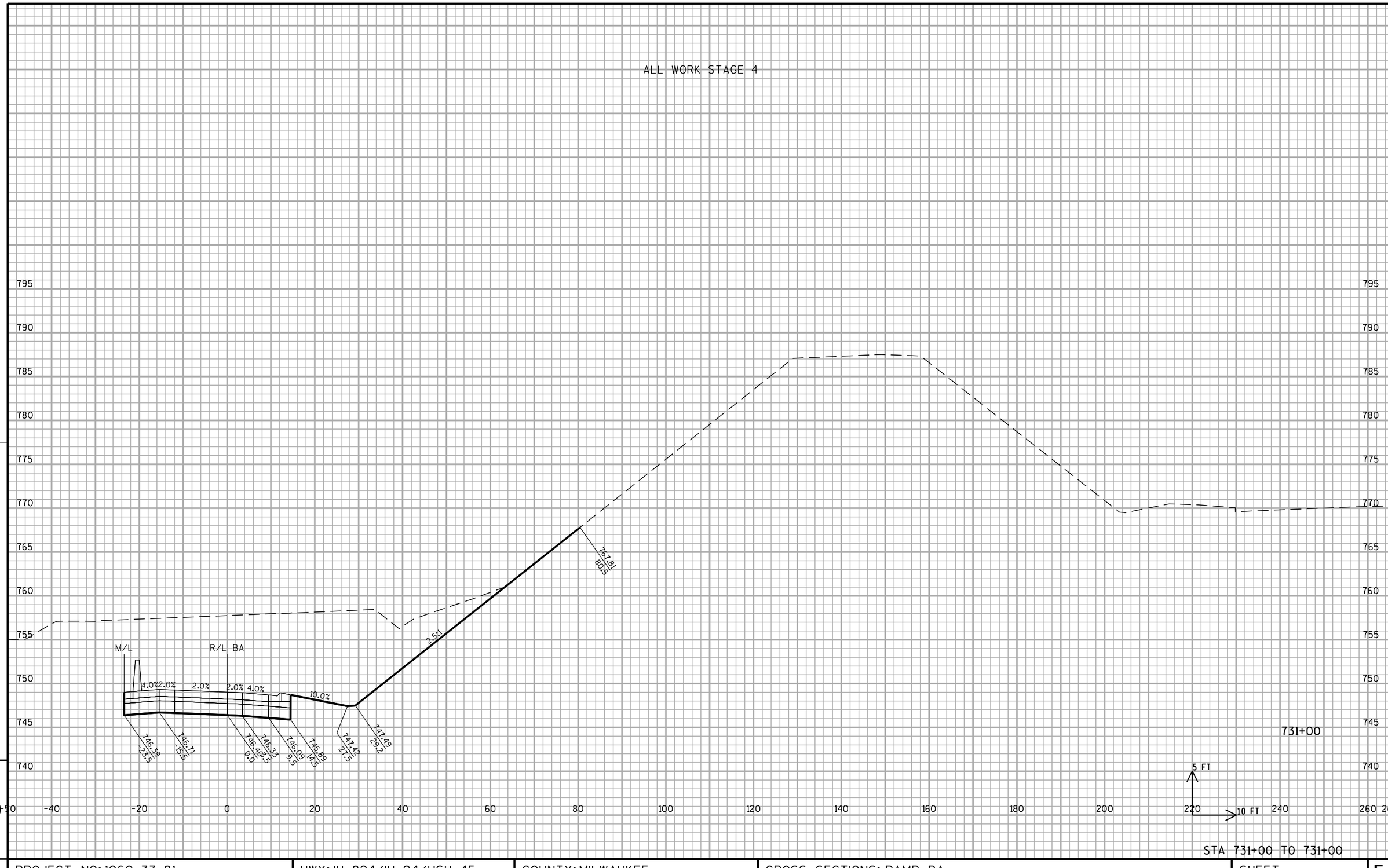


STA 730+50 TO 730+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba11 PLOT SCALE : 20:1

ALL WORK STAGE 4



9

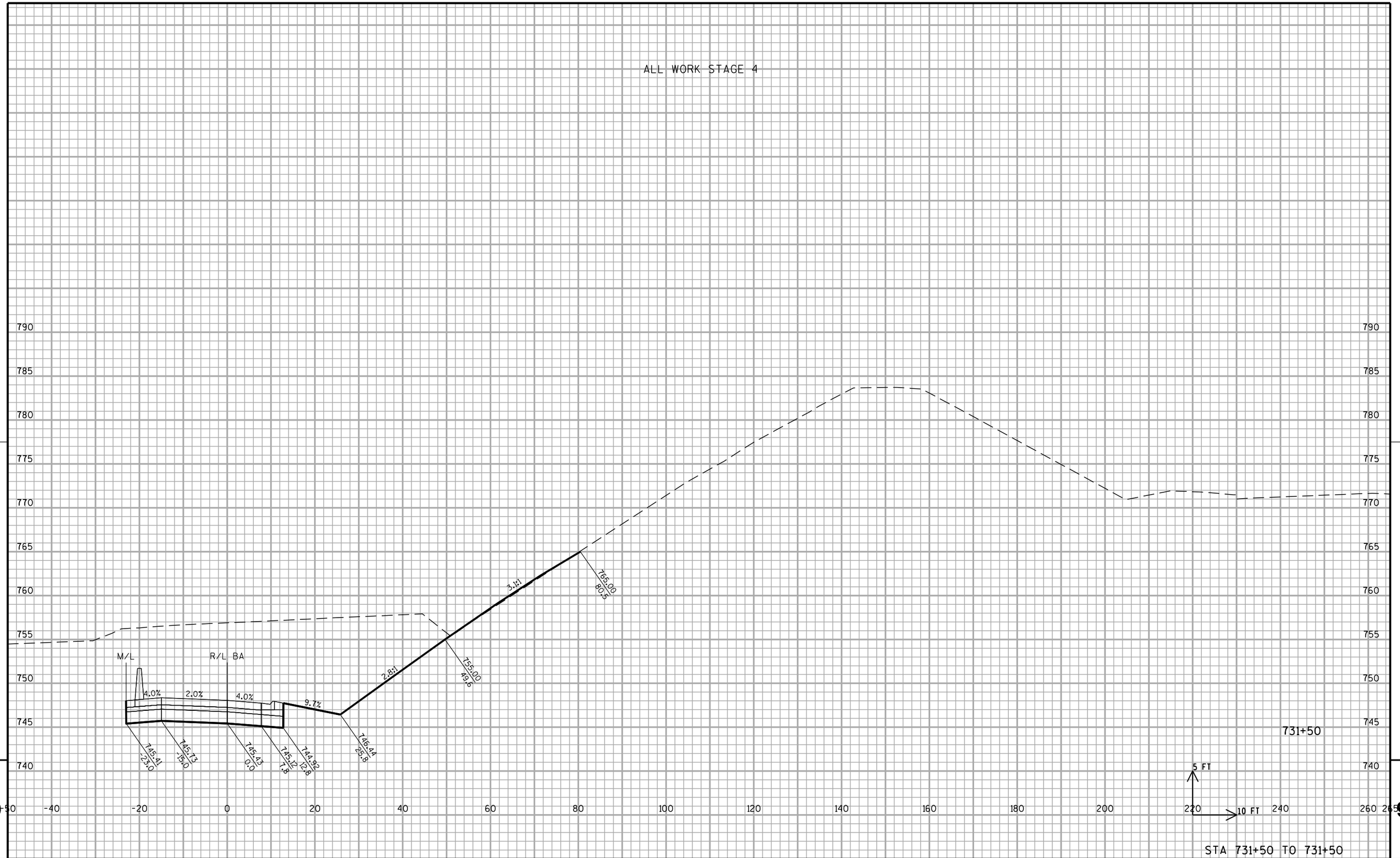
9

STA 731+00 TO 731+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba12 PLOT SCALE : 20:1

ALL WORK STAGE 4

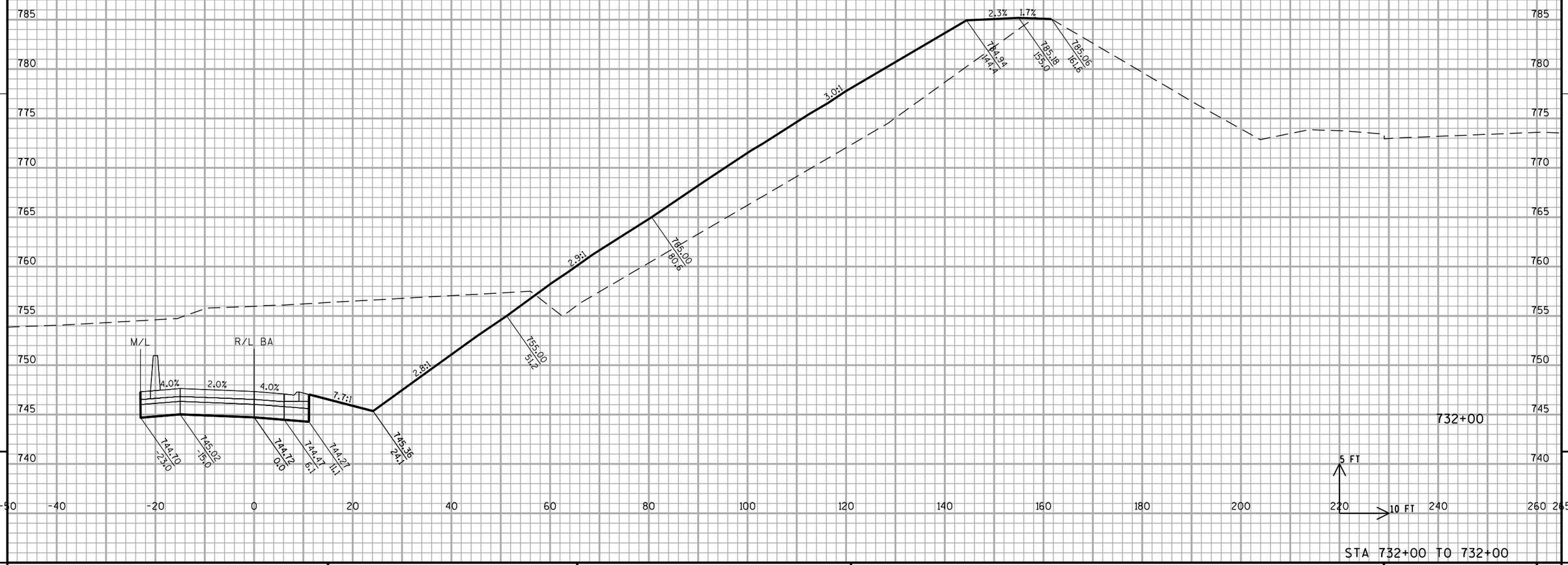


STA 731+50 TO 731+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba13 PLOT SCALE : 20:1

ALL WORK STAGE 4



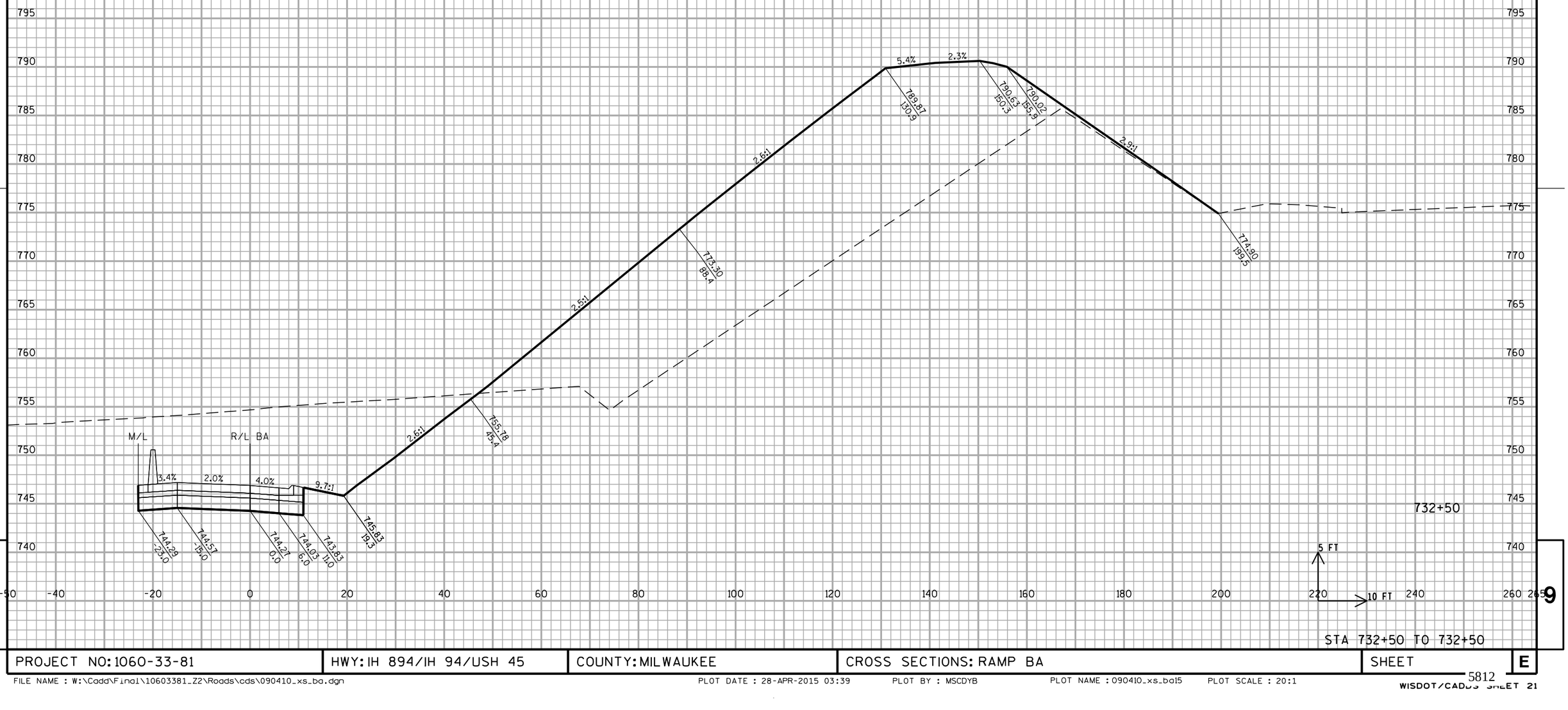
STA 732+00 TO 732+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba14 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



STA 732+50 TO 732+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba15 PLOT SCALE : 20:1

ALL WORK STAGE 4



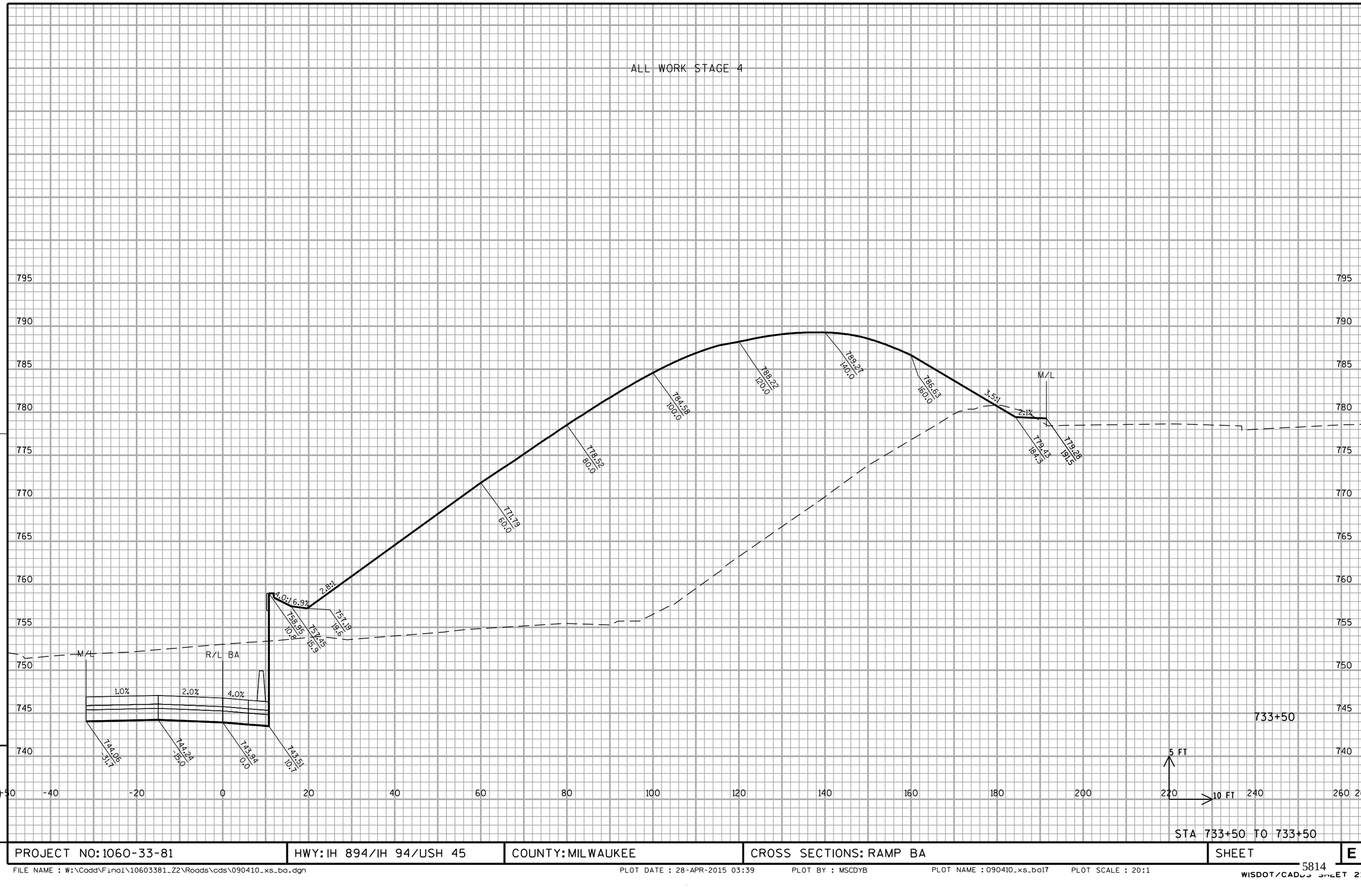
STA 733+00 TO 733+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

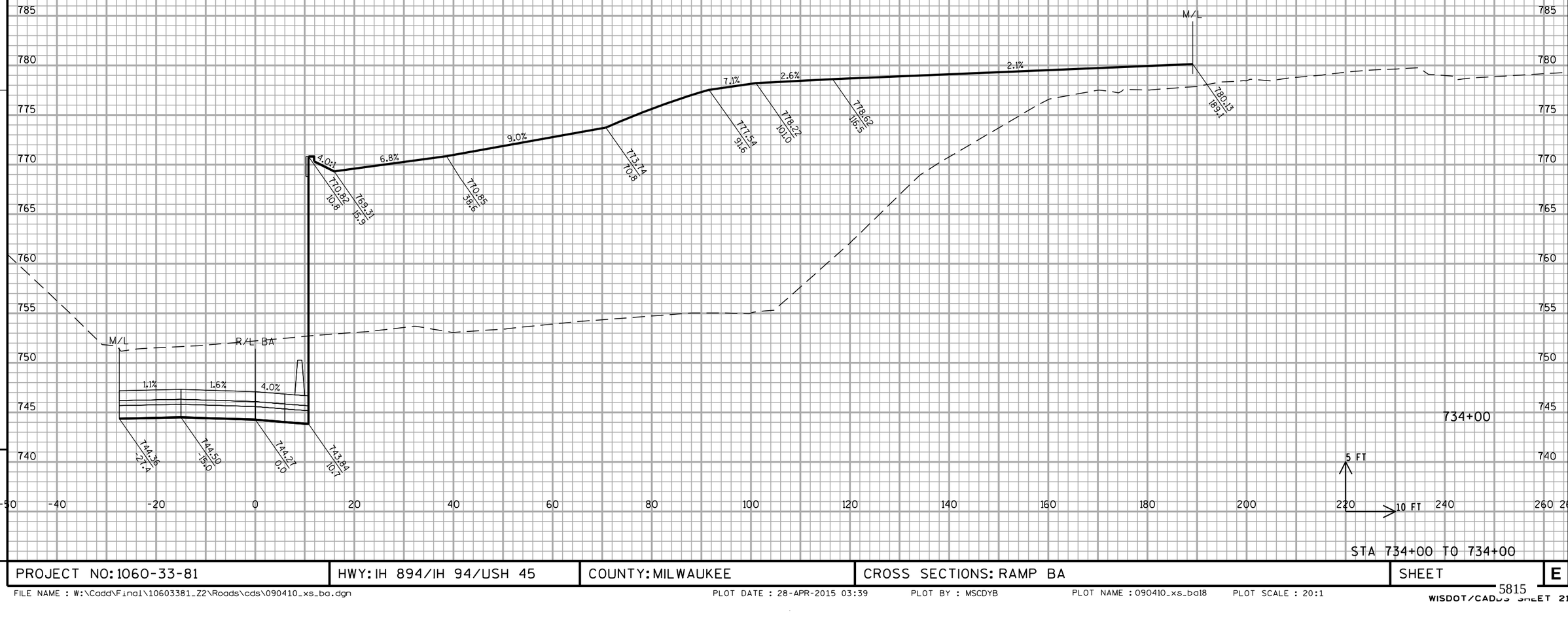
ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba17 PLOT SCALE : 20:1

ALL WORK STAGE 4

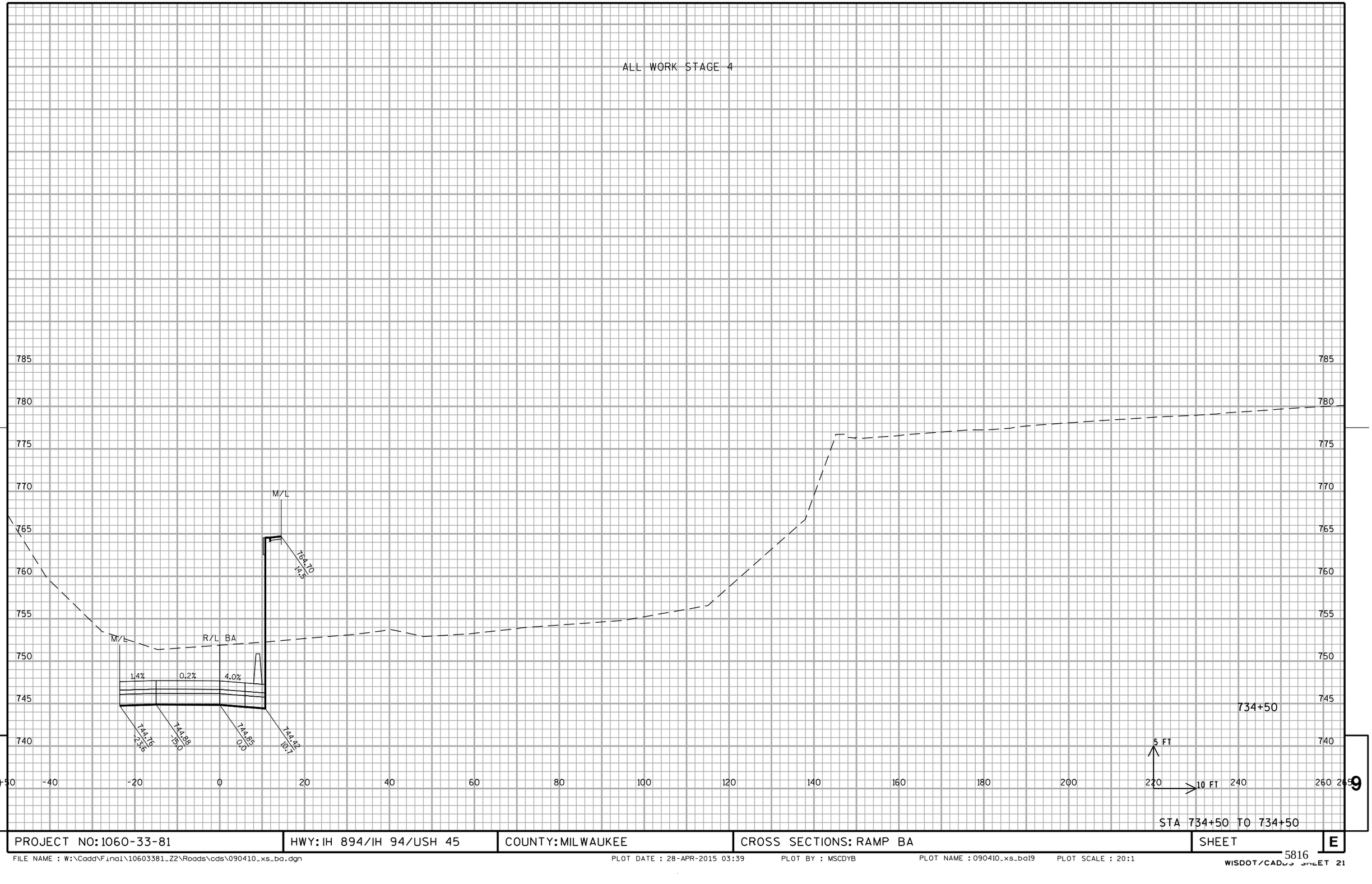


STA 734+00 TO 734+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba18 PLOT SCALE : 20:1

ALL WORK STAGE 4

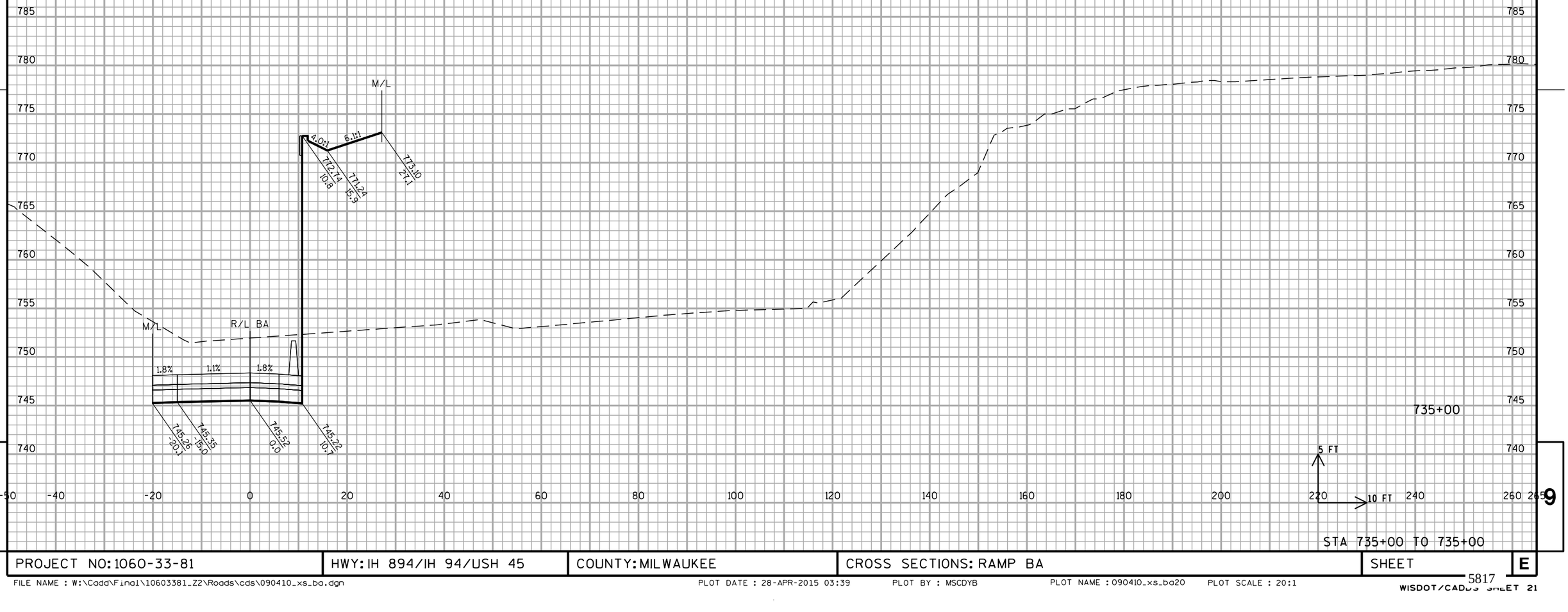


STA 734+50 TO 734+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba19 PLOT SCALE : 20:1

ALL WORK STAGE 4

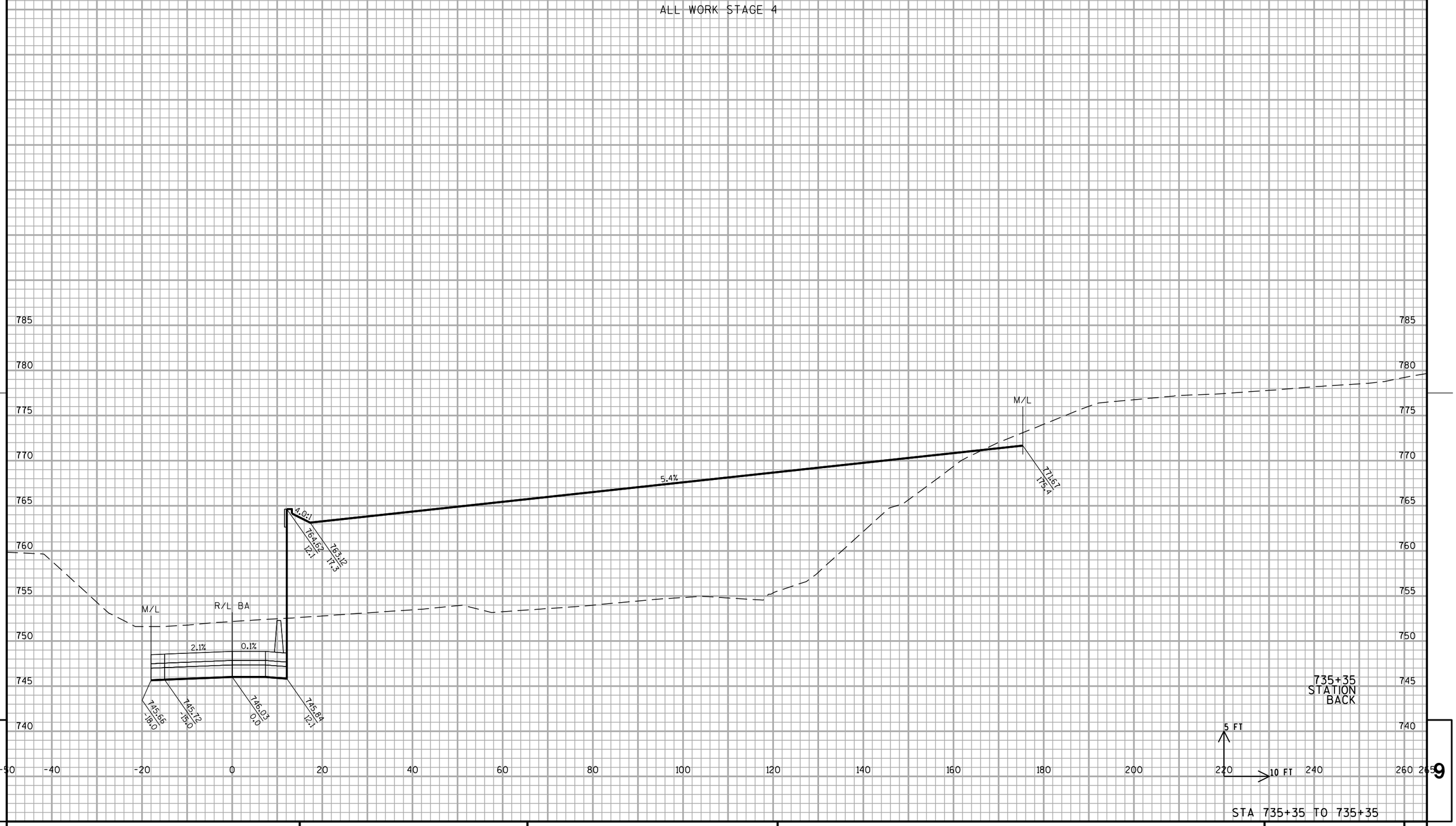


STA 735+00 TO 735+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090410_xs_ba.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090410_xs_ba20 PLOT SCALE : 20:1

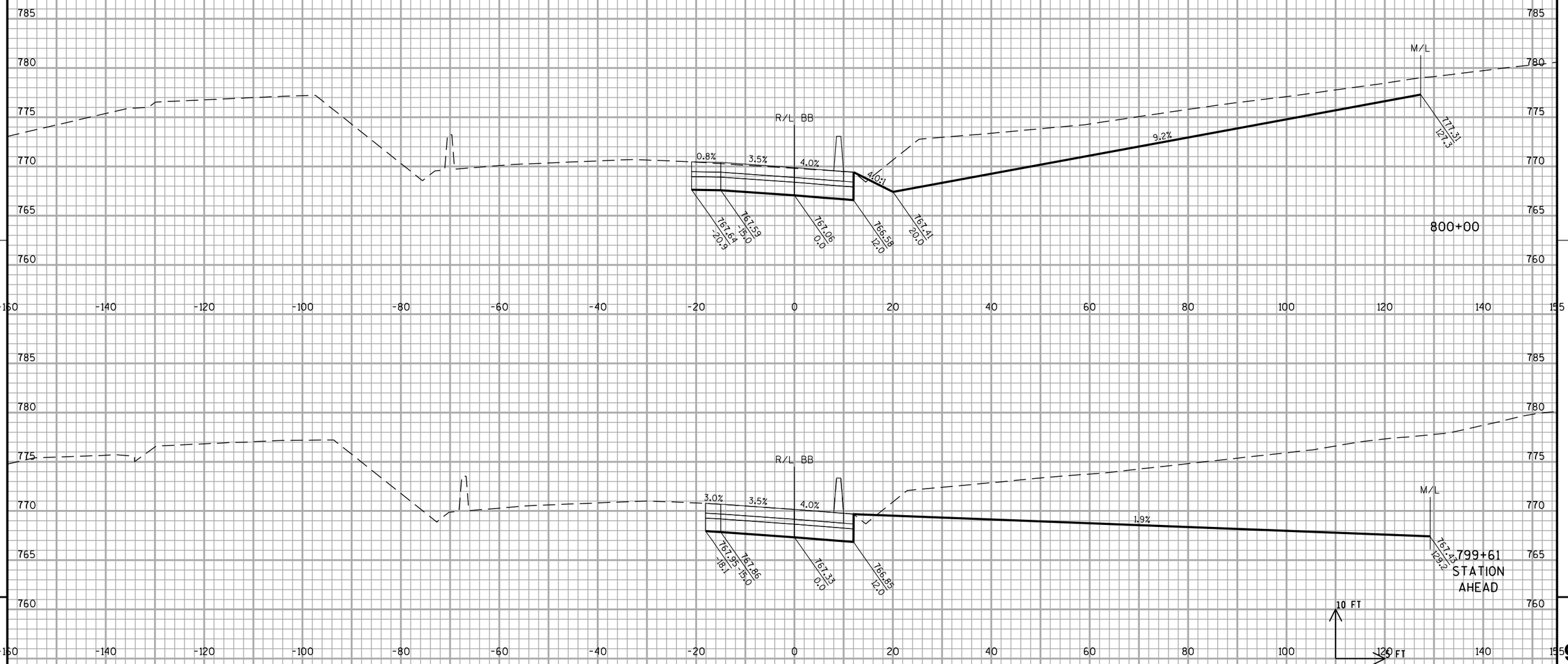
ALL WORK STAGE 4



STA 735+35 TO 735+35

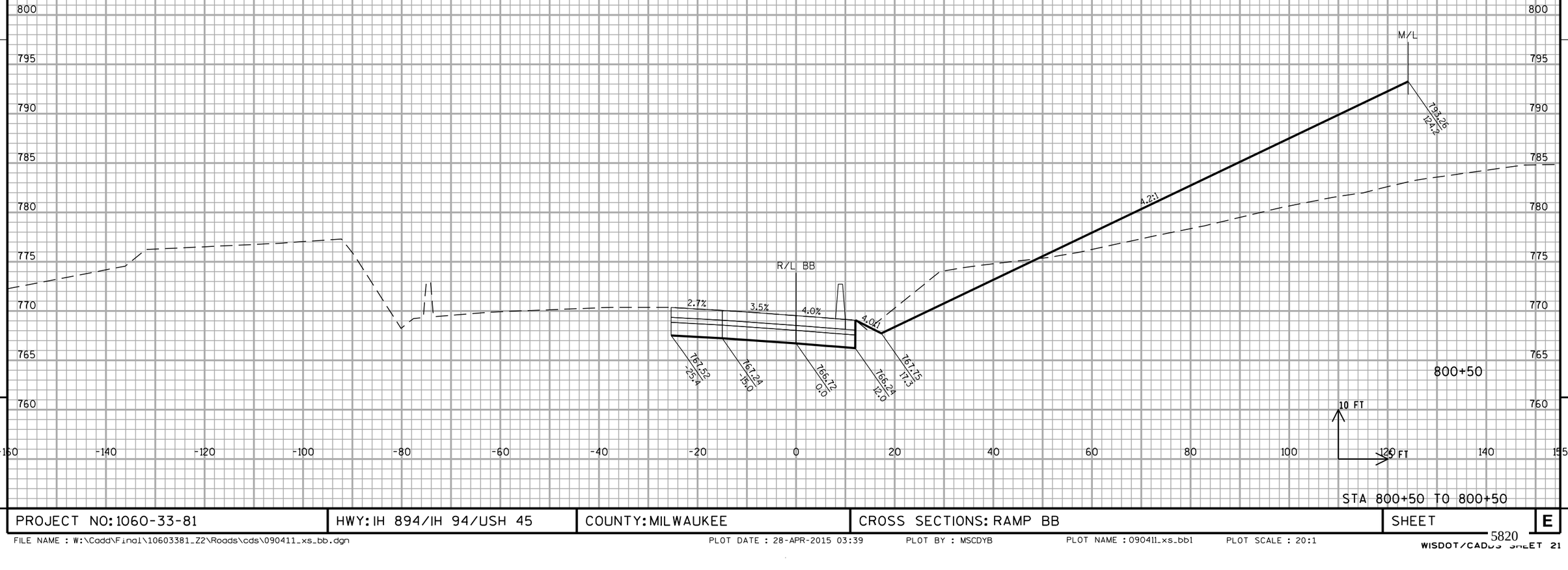
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BA	SHEET	E

ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

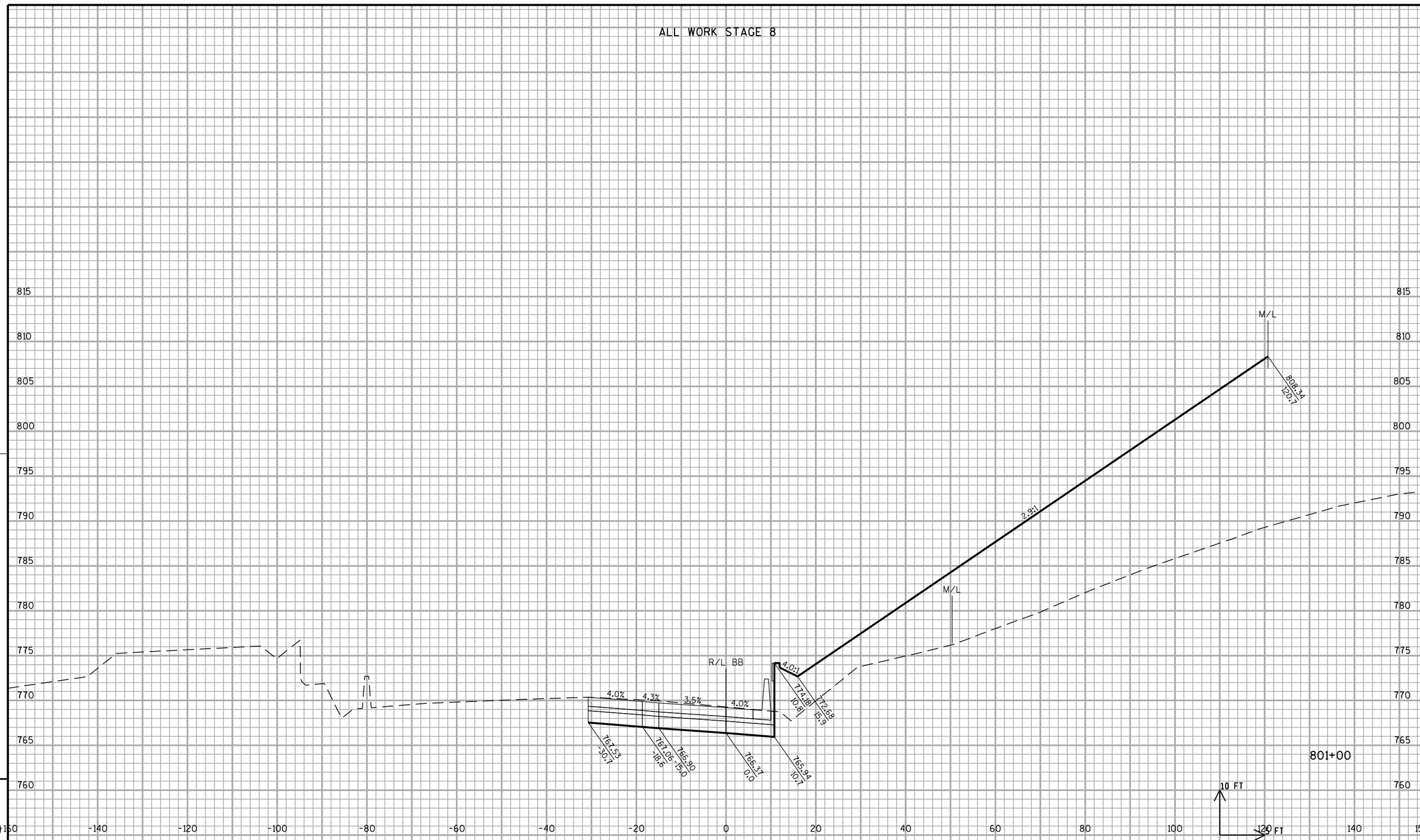
ALL WORK STAGE 8



STA 800+50 TO 800+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

ALL WORK STAGE 8



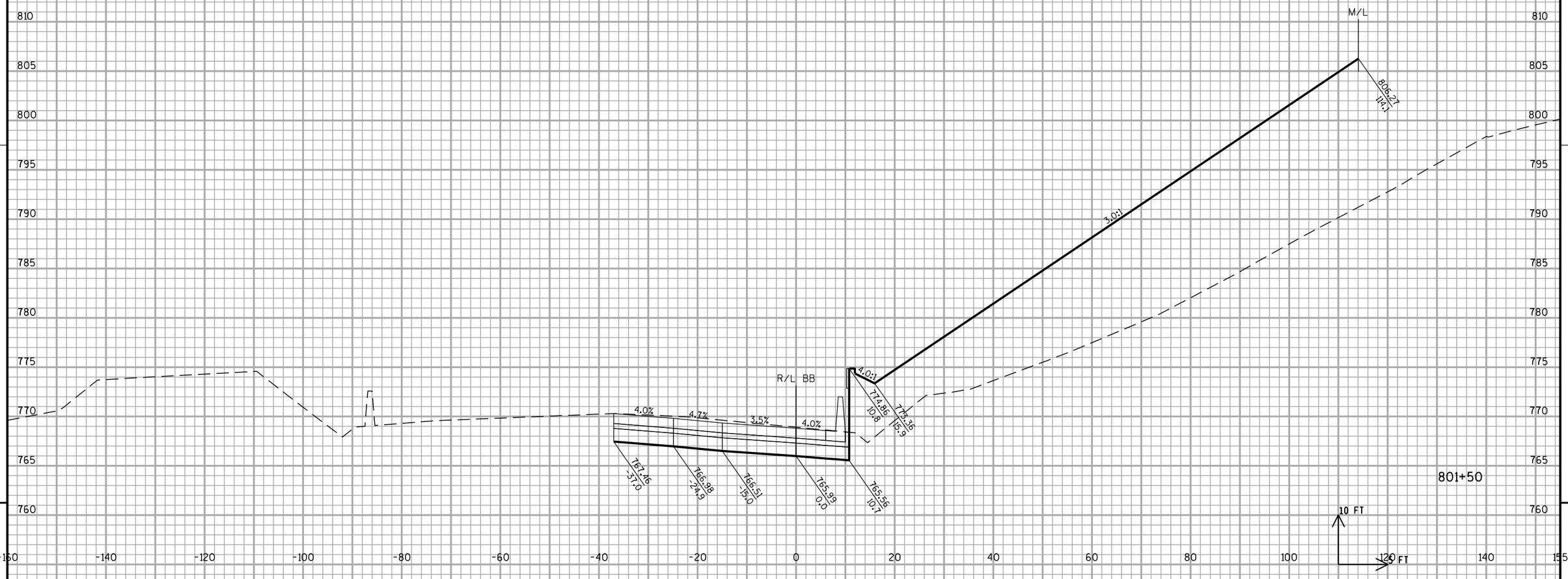
STA 801+00 TO 801+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

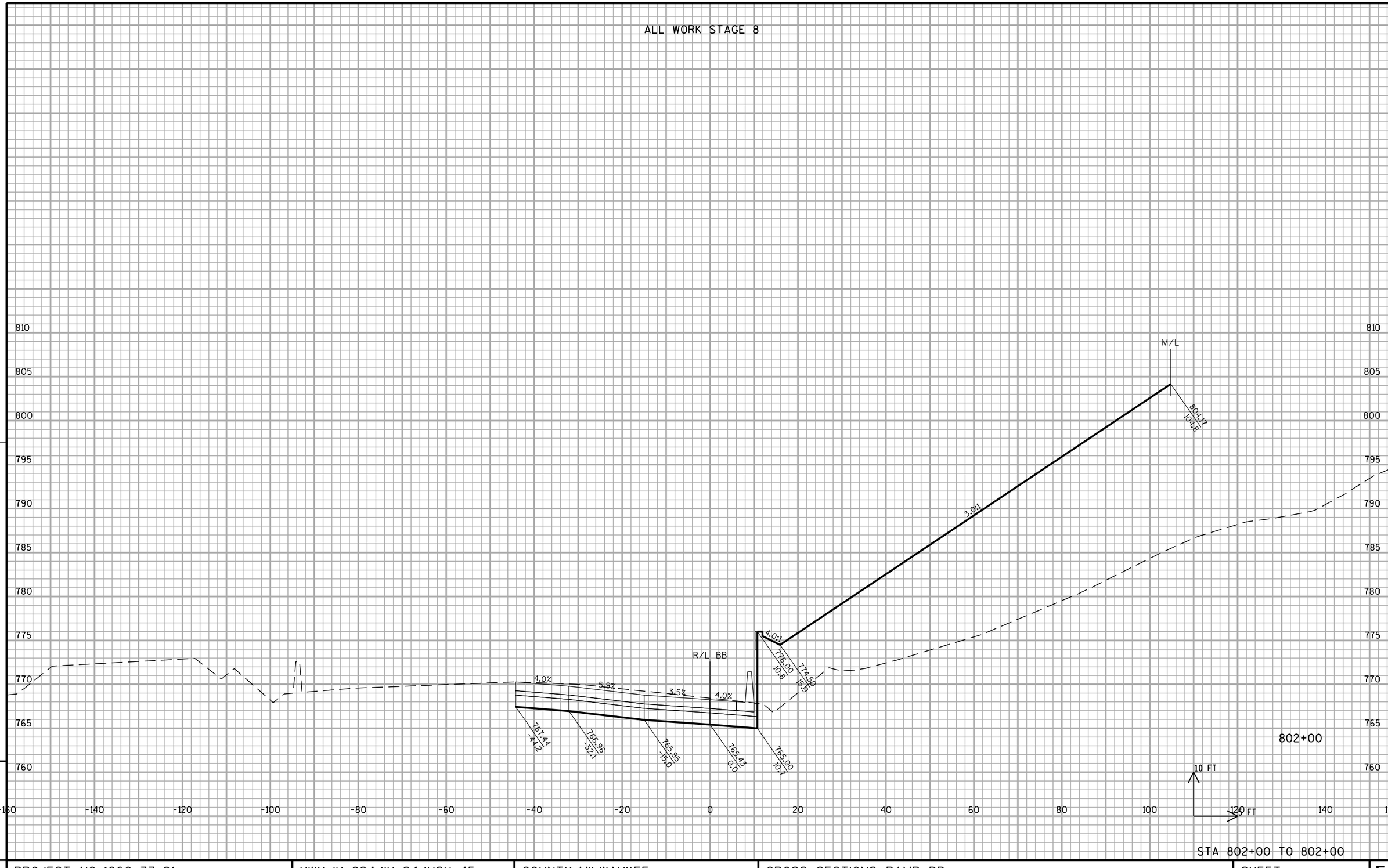


STA 801+50 TO 801+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb3 PLOT SCALE : 20:1

ALL WORK STAGE 8

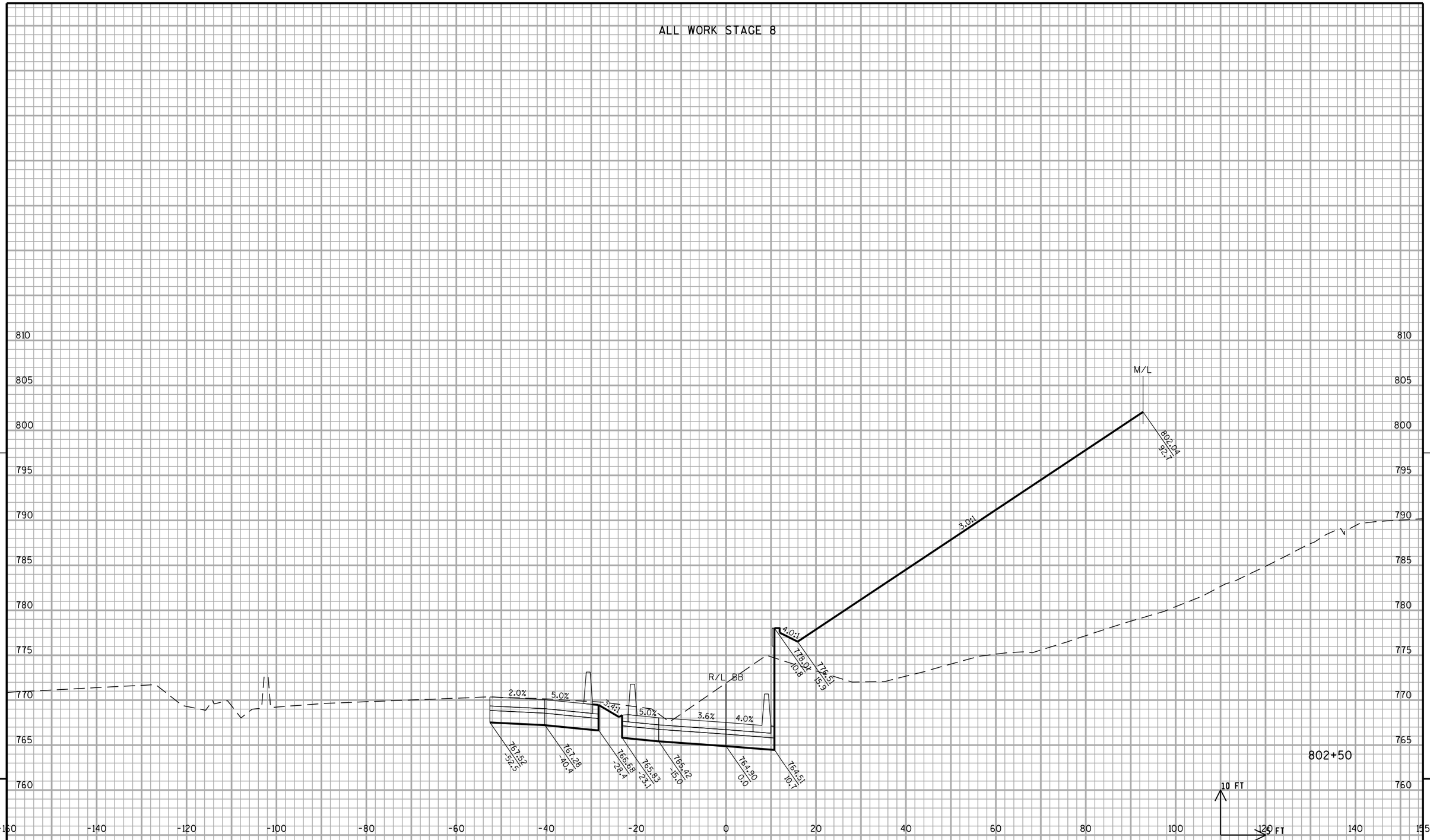


STA 802+00 TO 802+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb4 PLOT SCALE : 20:1

ALL WORK STAGE 8



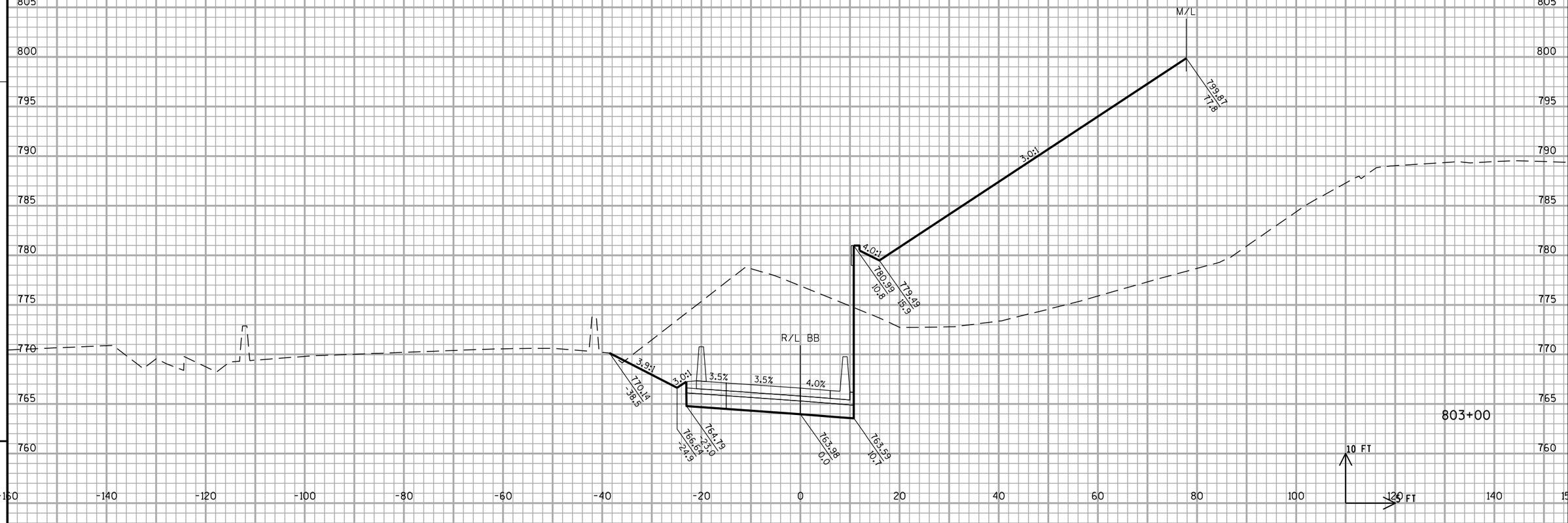
STA 802+50 TO 802+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

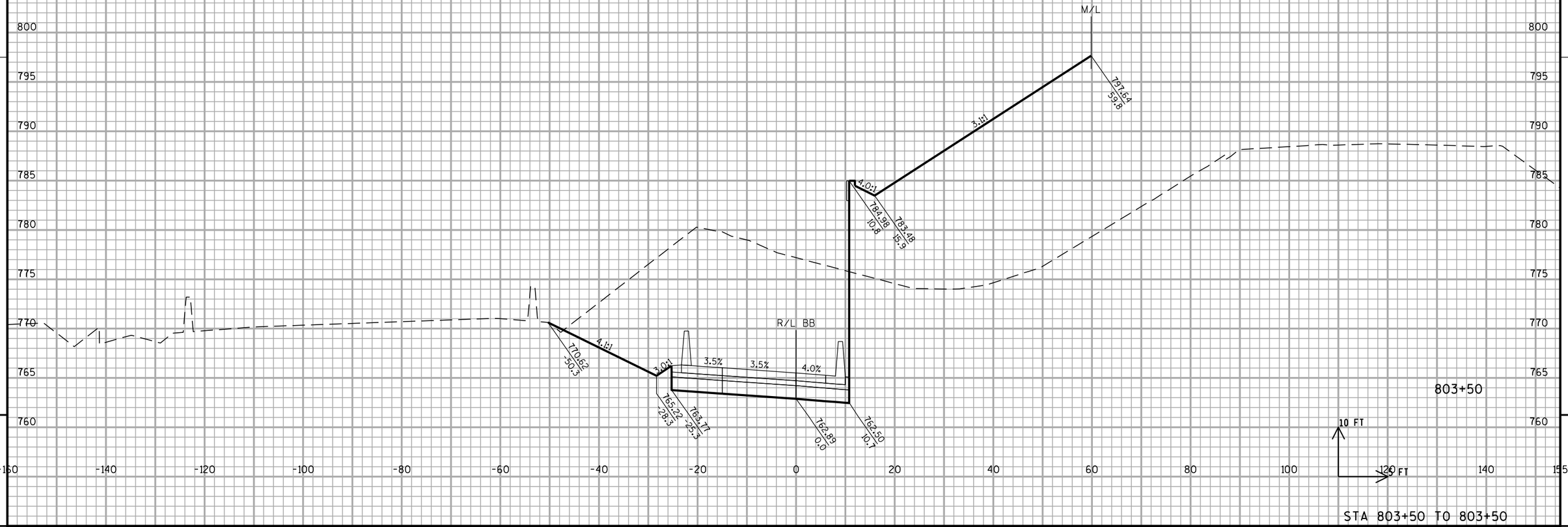


STA 803+00 TO 803+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb6 PLOT SCALE : 20:1

ALL WORK STAGE 8



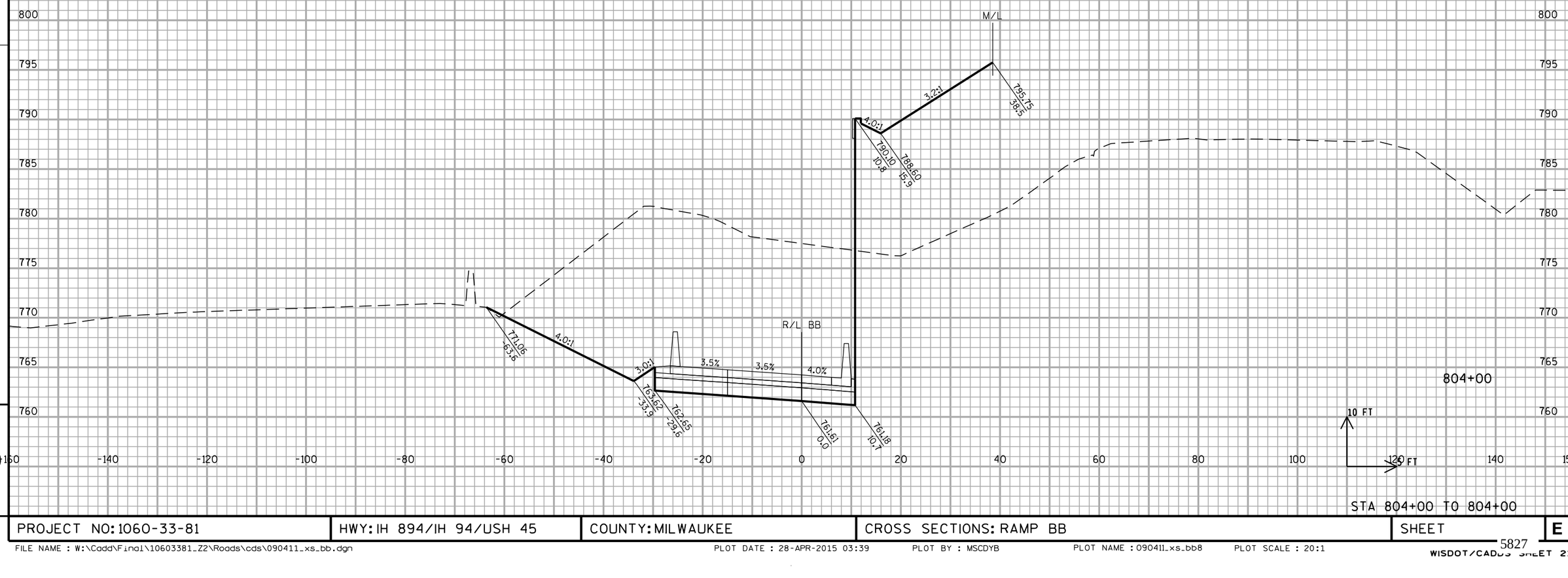
STA 803+50 TO 803+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



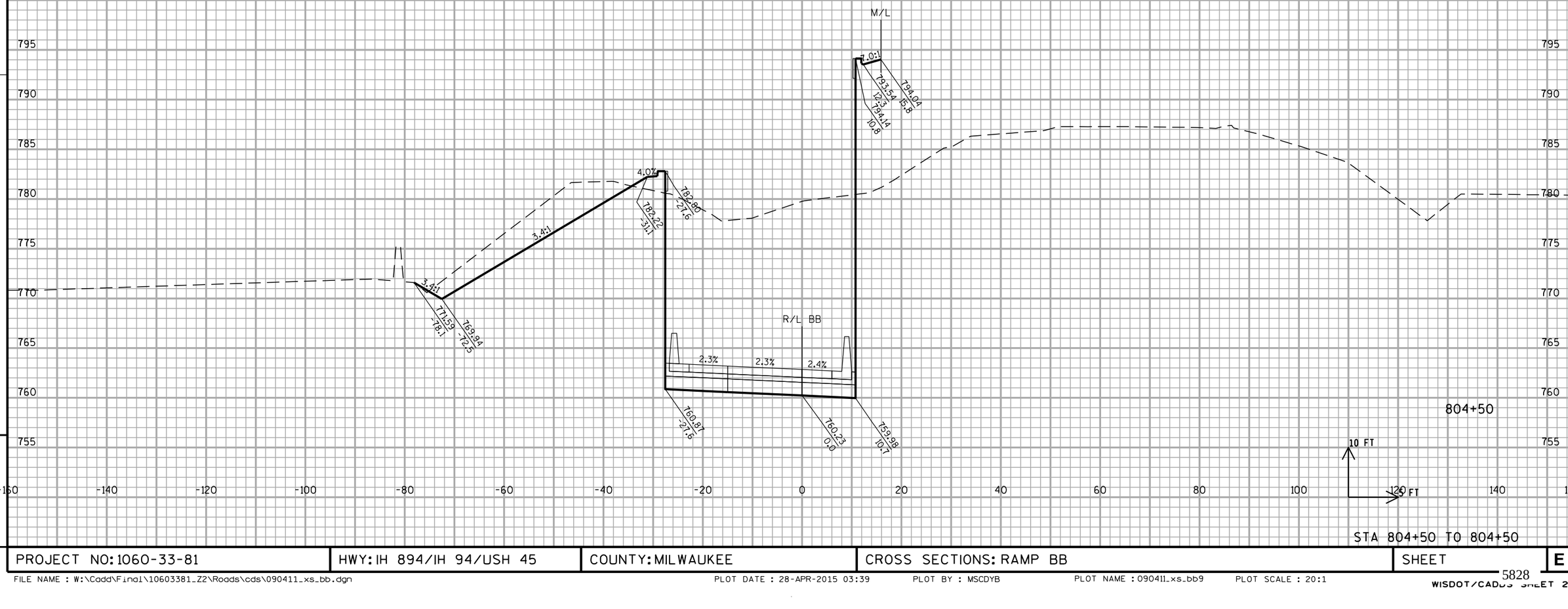
STA 804+00 TO 804+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

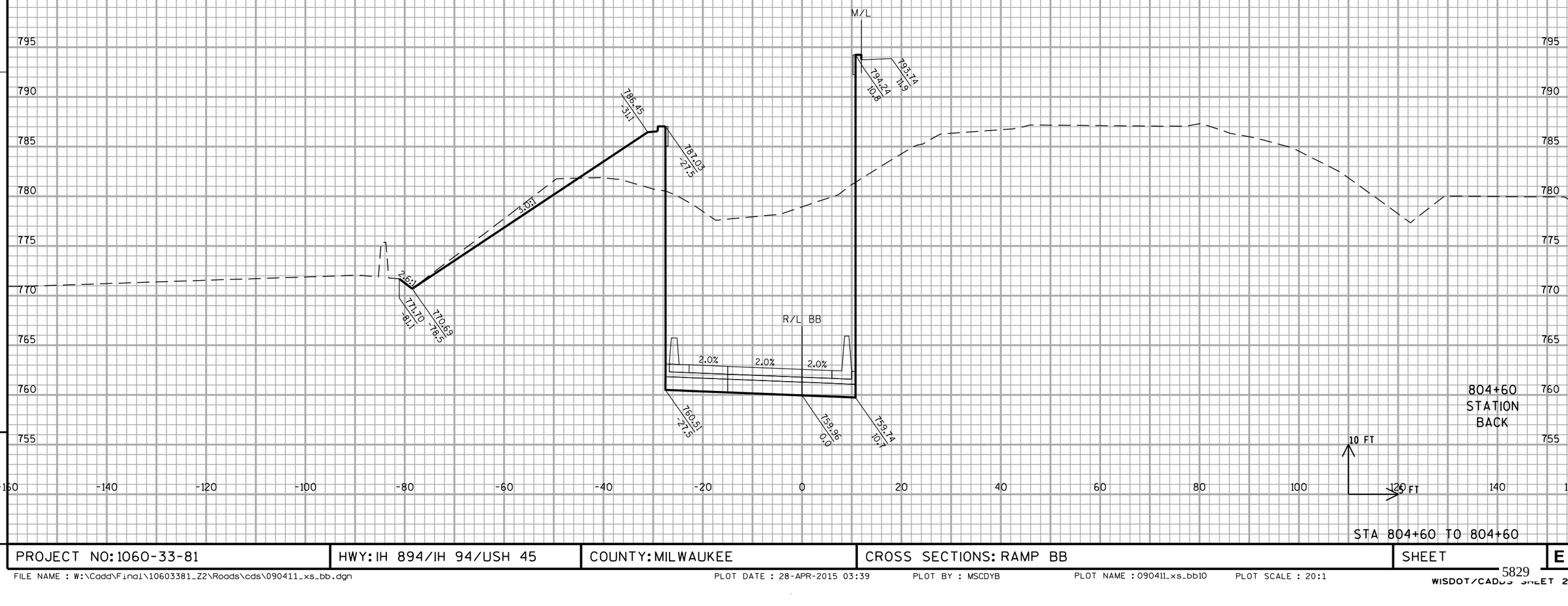


STA 804+50 TO 804+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb9 PLOT SCALE : 20:1

ALL WORK STAGE 8

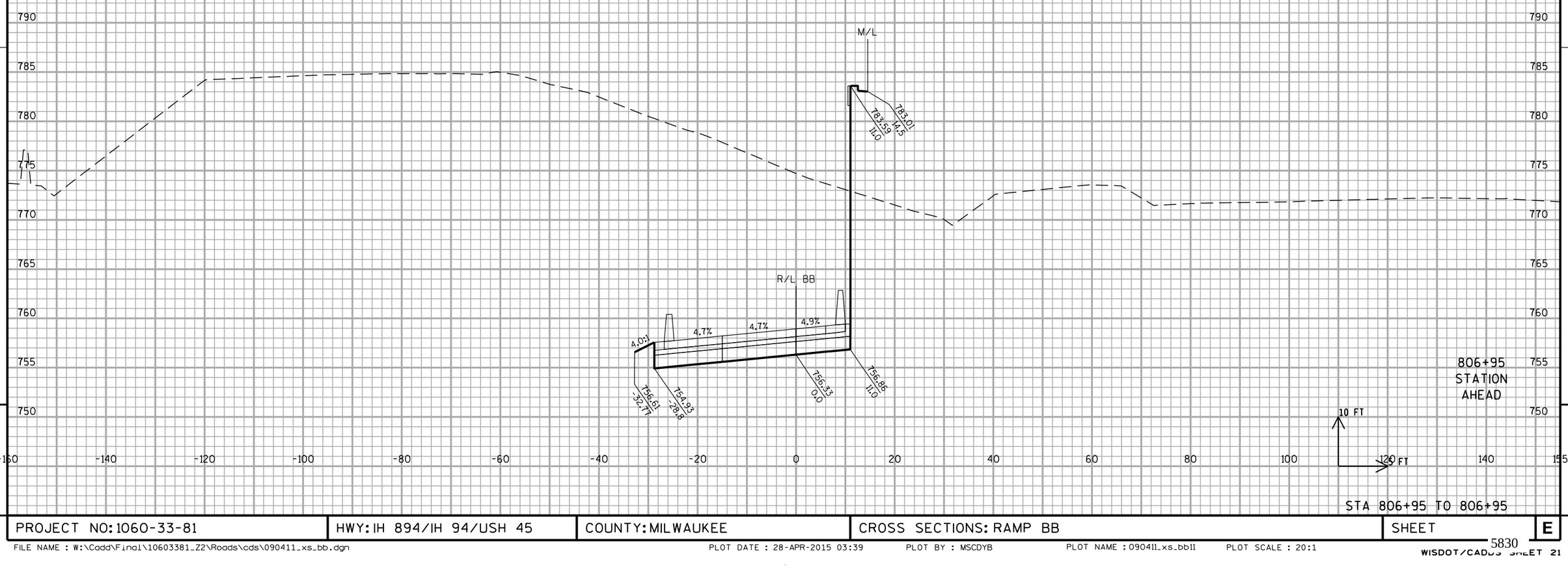


STA 804+60 TO 804+60

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb10 PLOT SCALE : 20:1

ALL WORK STAGE 7



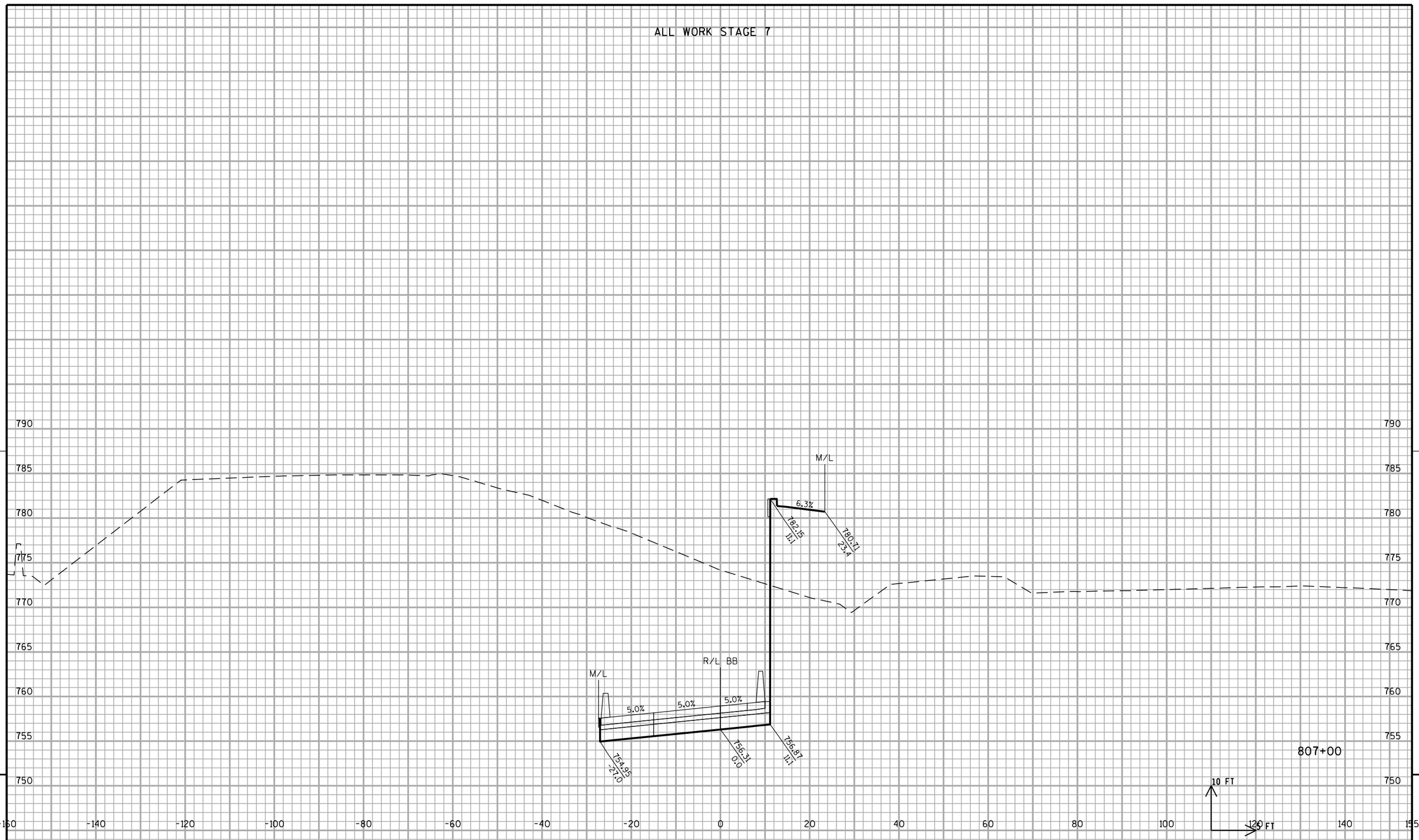
STA 806+95 TO 806+95

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7

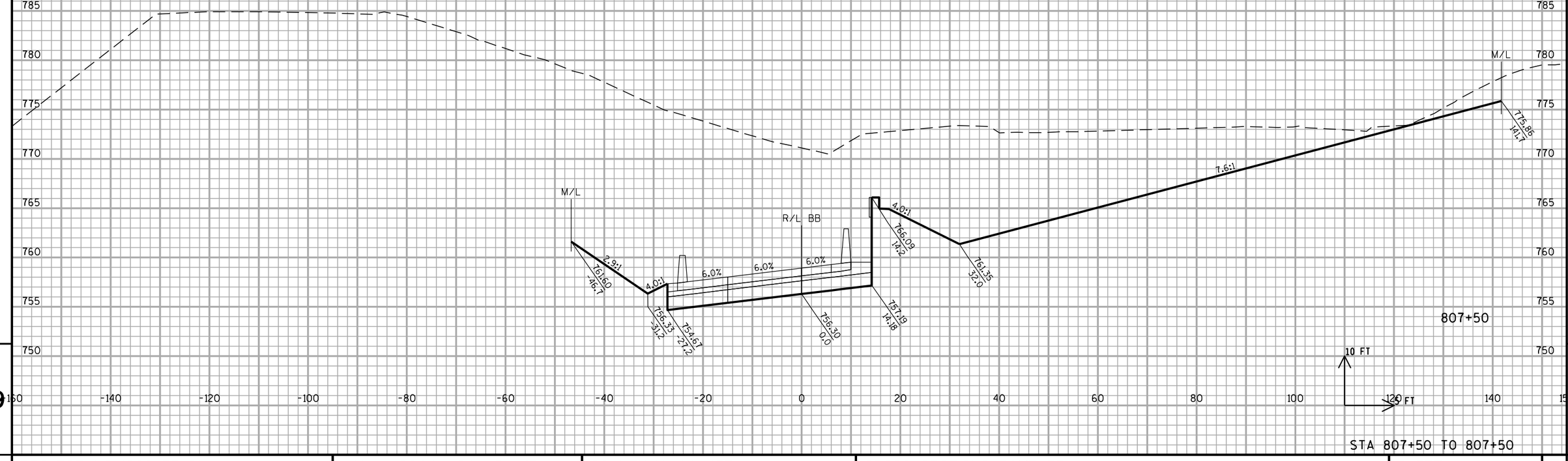


STA 807+00 TO 807+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb12 PLOT SCALE : 20:1

ALL WORK STAGE 7



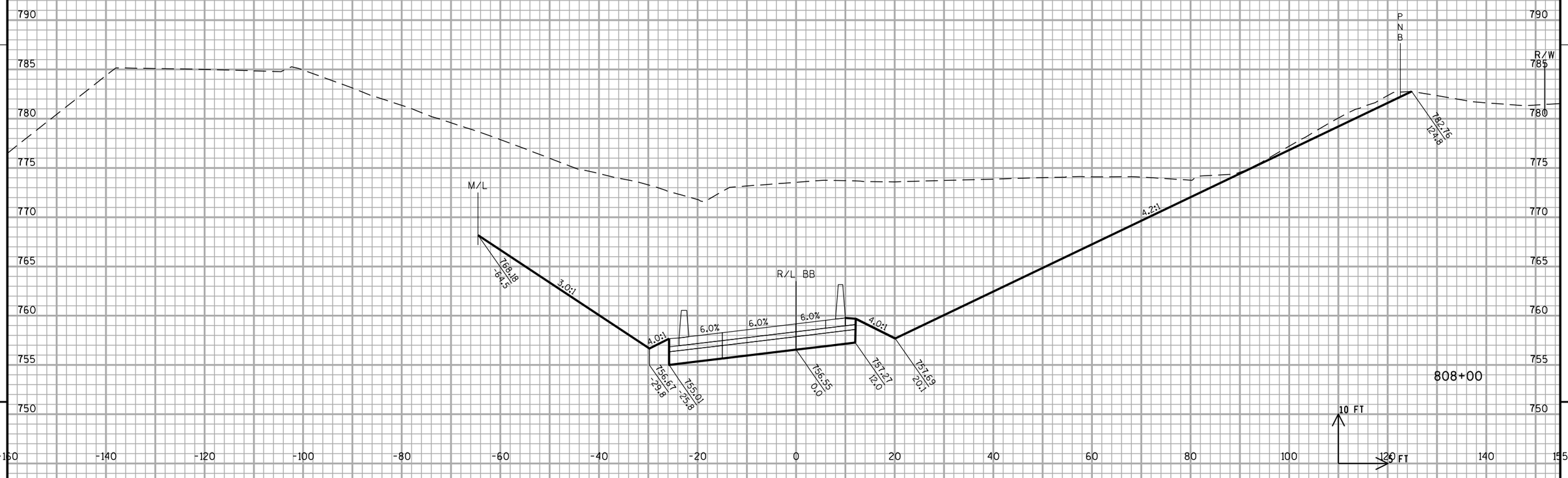
STA 807+50 TO 807+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7



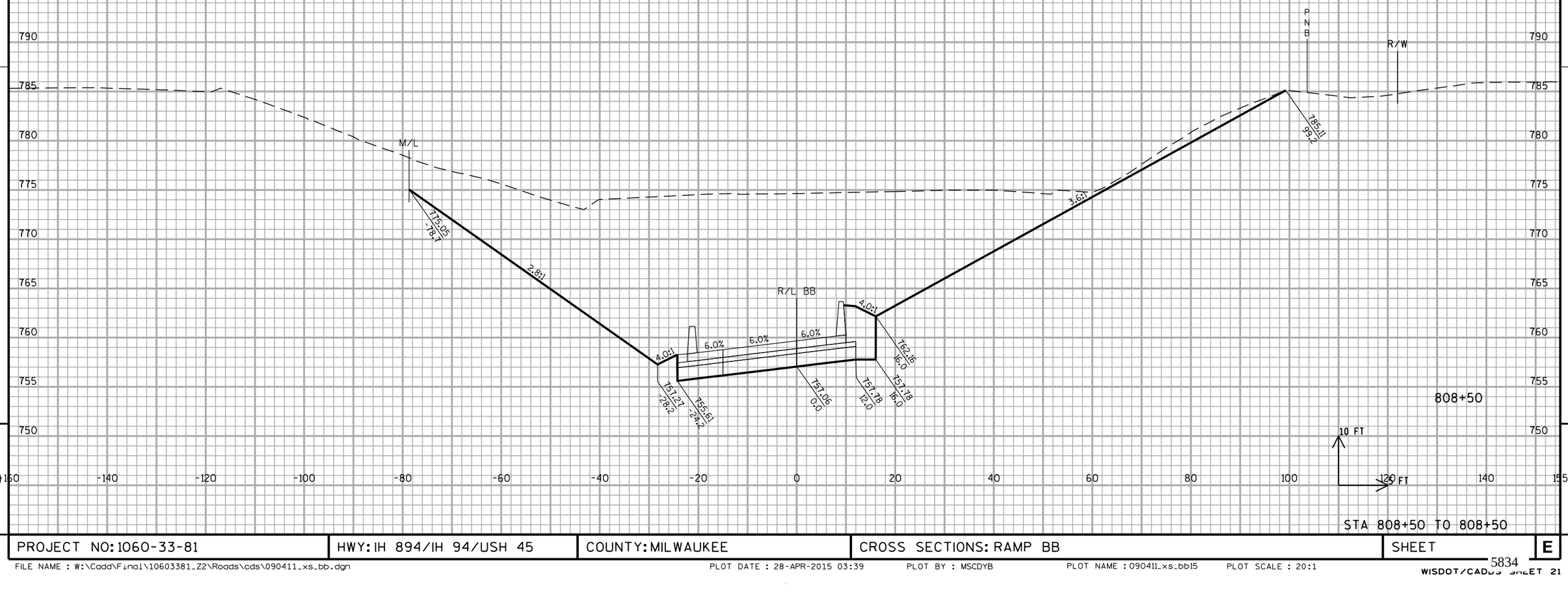
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

STA 808+00 TO 808+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb14 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

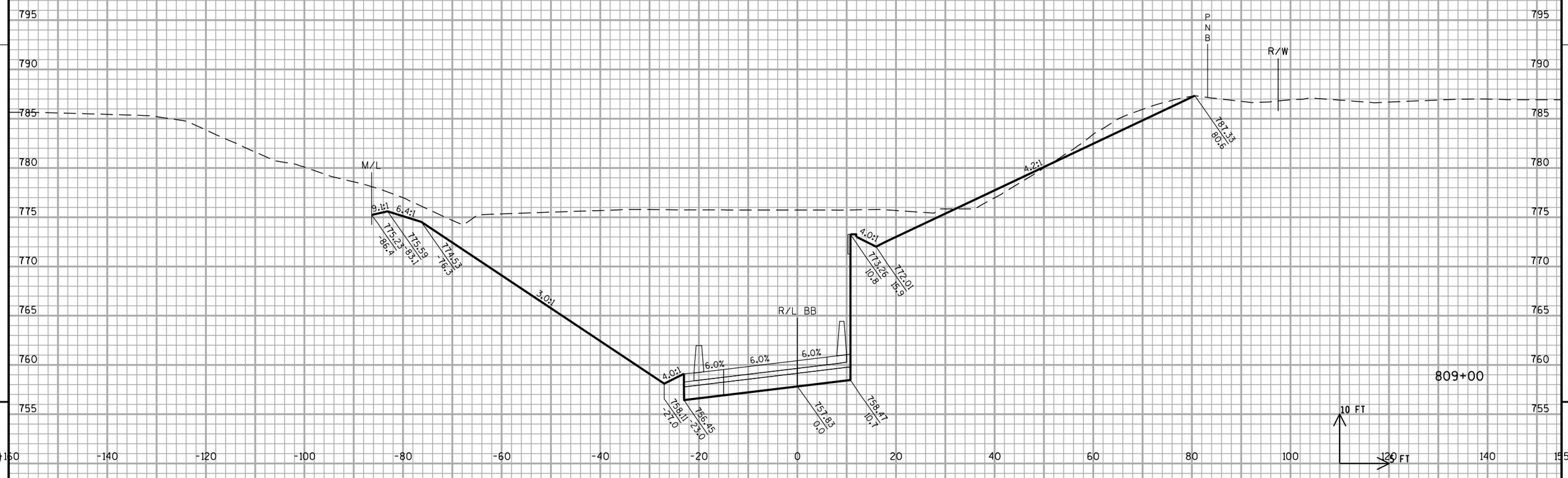
ALL WORK STAGE 7



STA 808+50 TO 808+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

ALL WORK STAGE 7



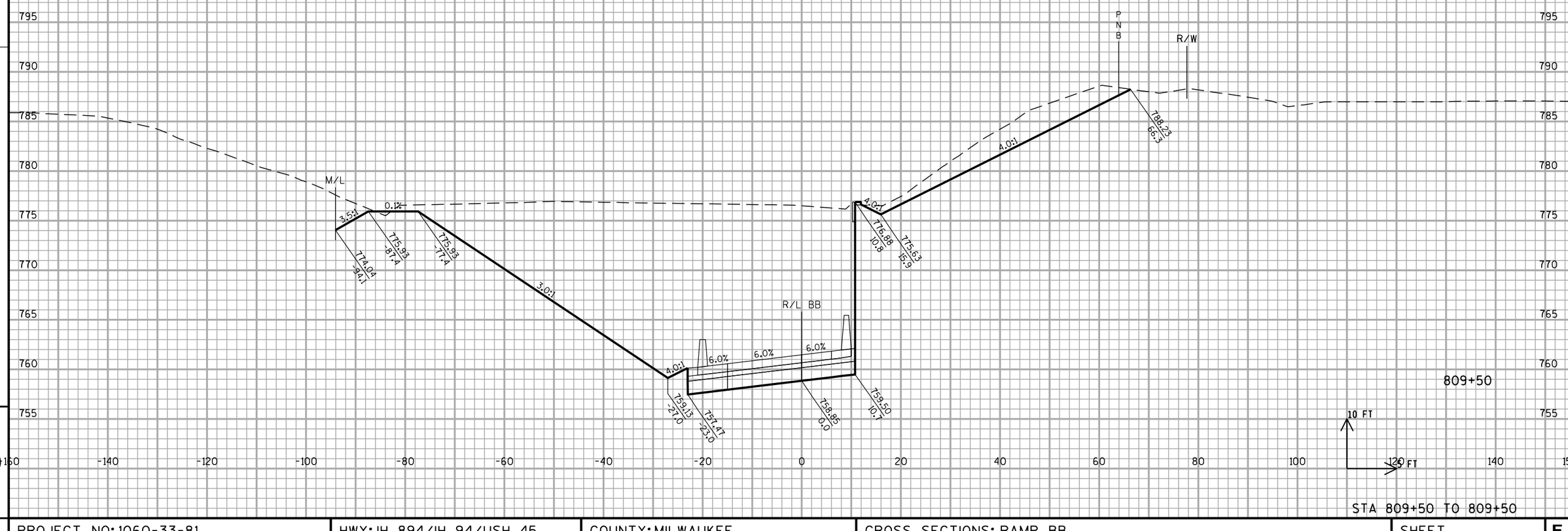
STA 809+00 TO 809+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7

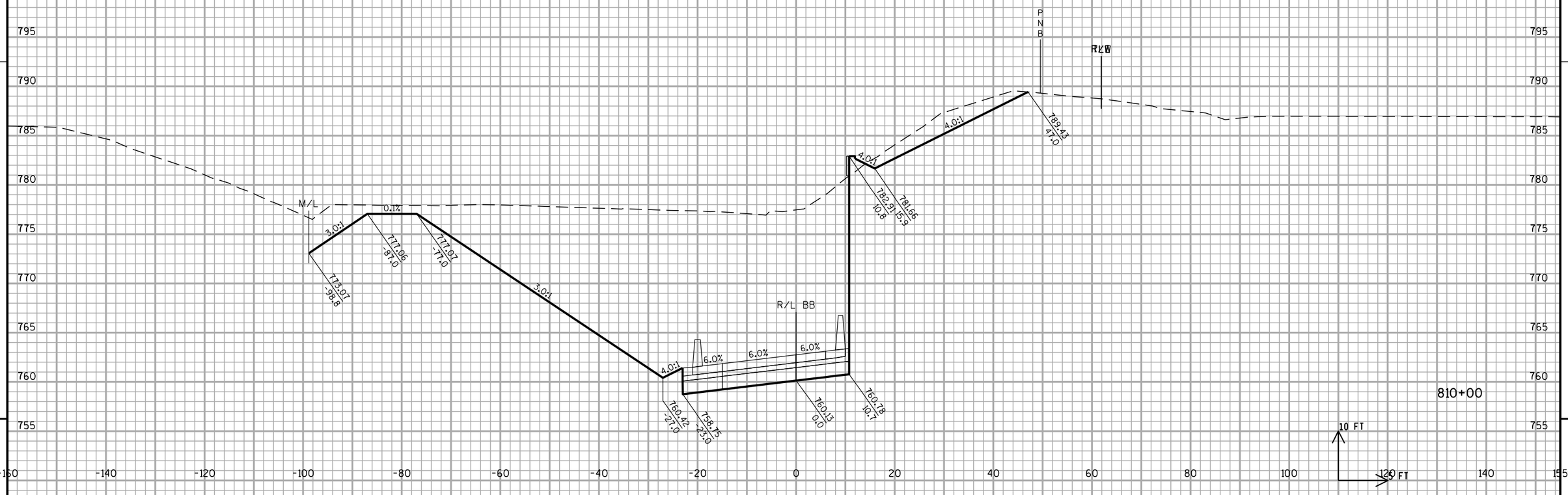


STA 809+50 TO 809+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb17 PLOT SCALE : 20:1

ALL WORK STAGE 7



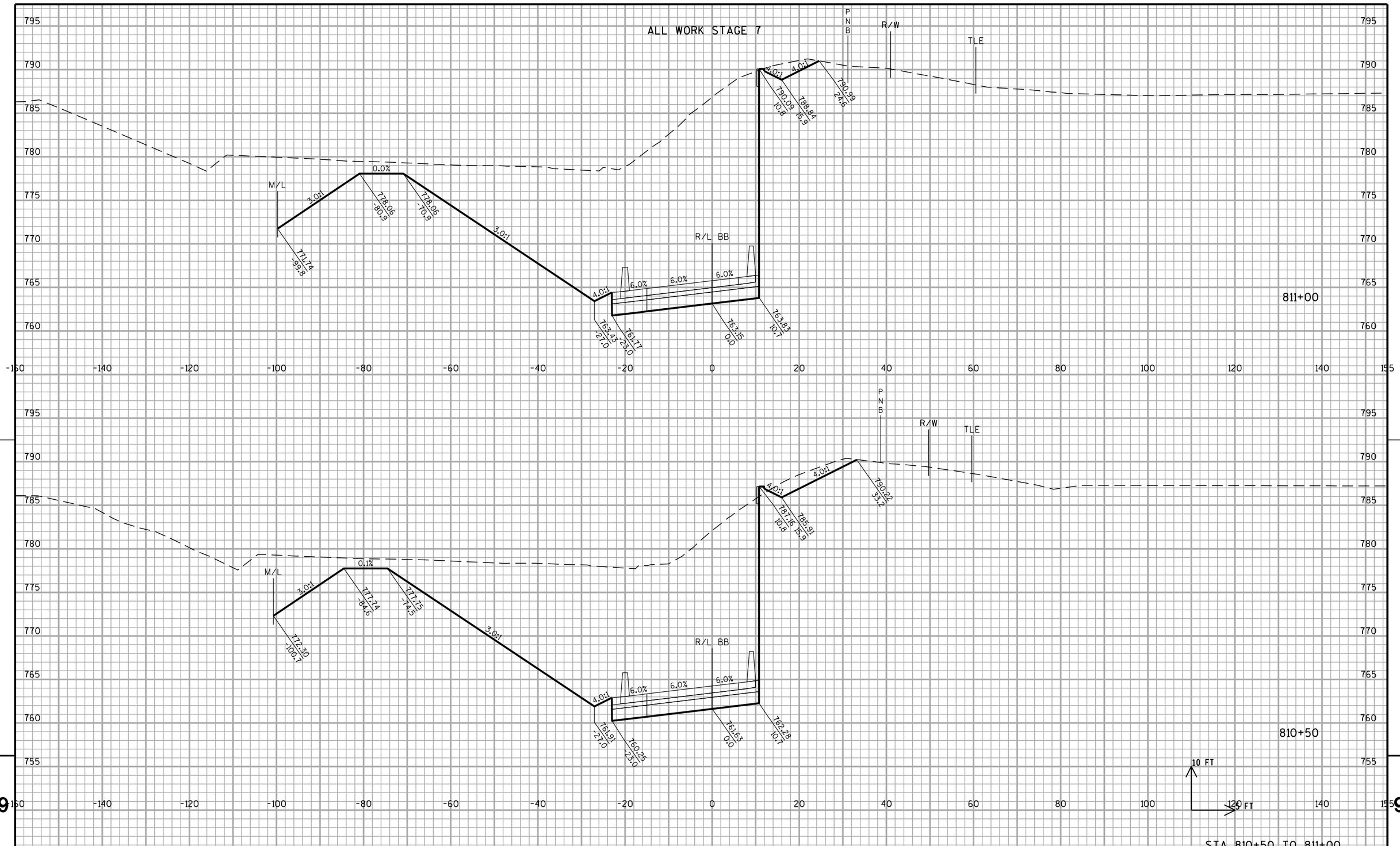
STA 810+00 TO 810+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb18 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7



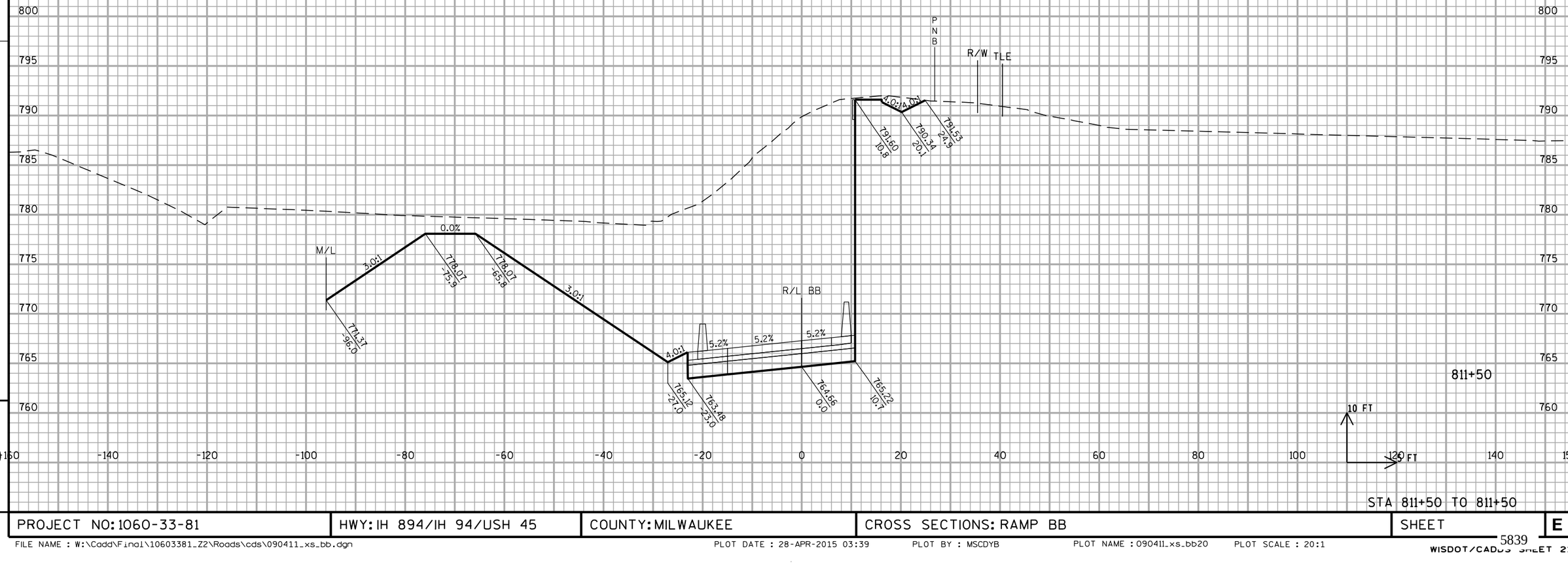
STA 810+50 TO 811+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

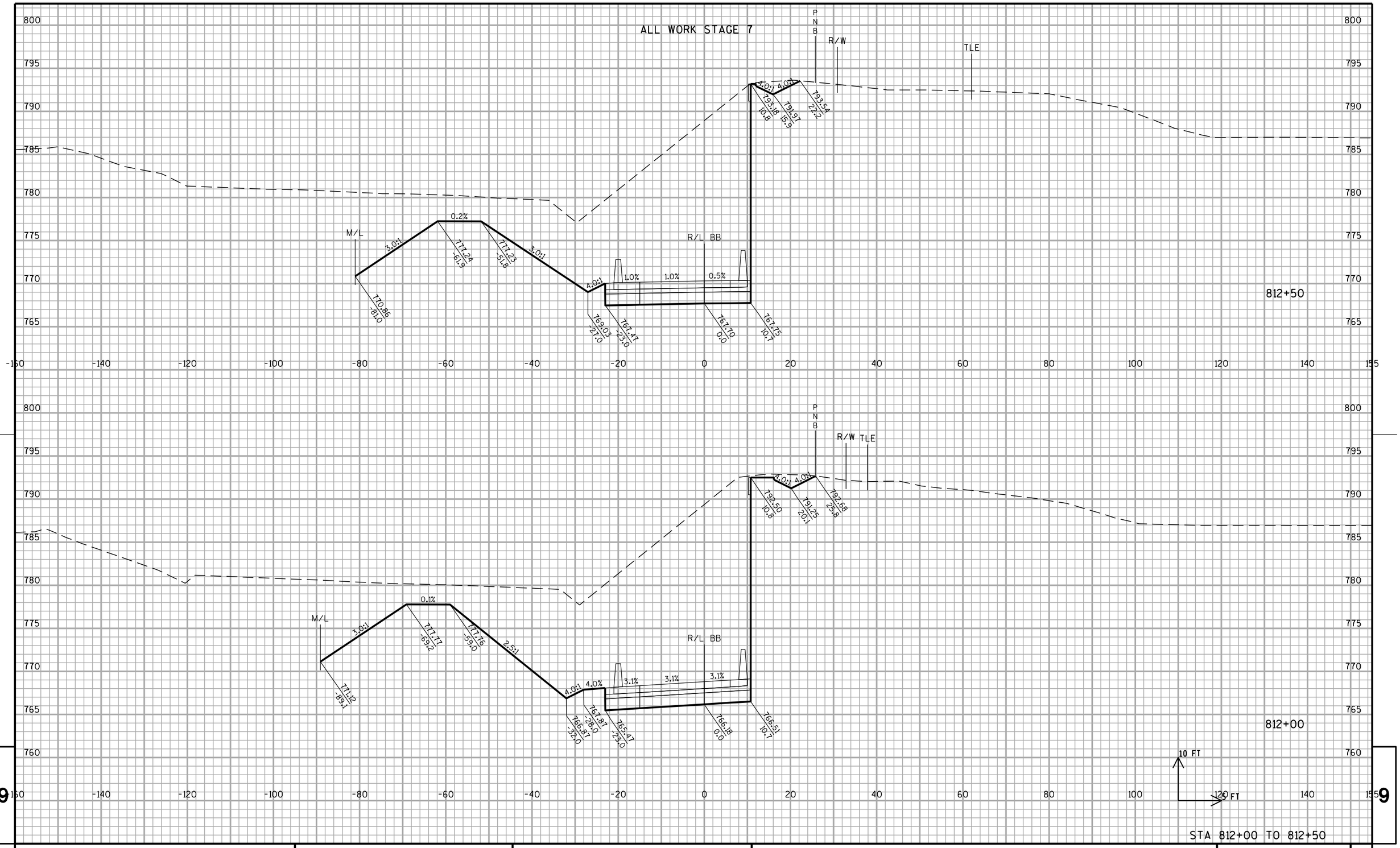
ALL WORK STAGE 7



STA 811+50 TO 811+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

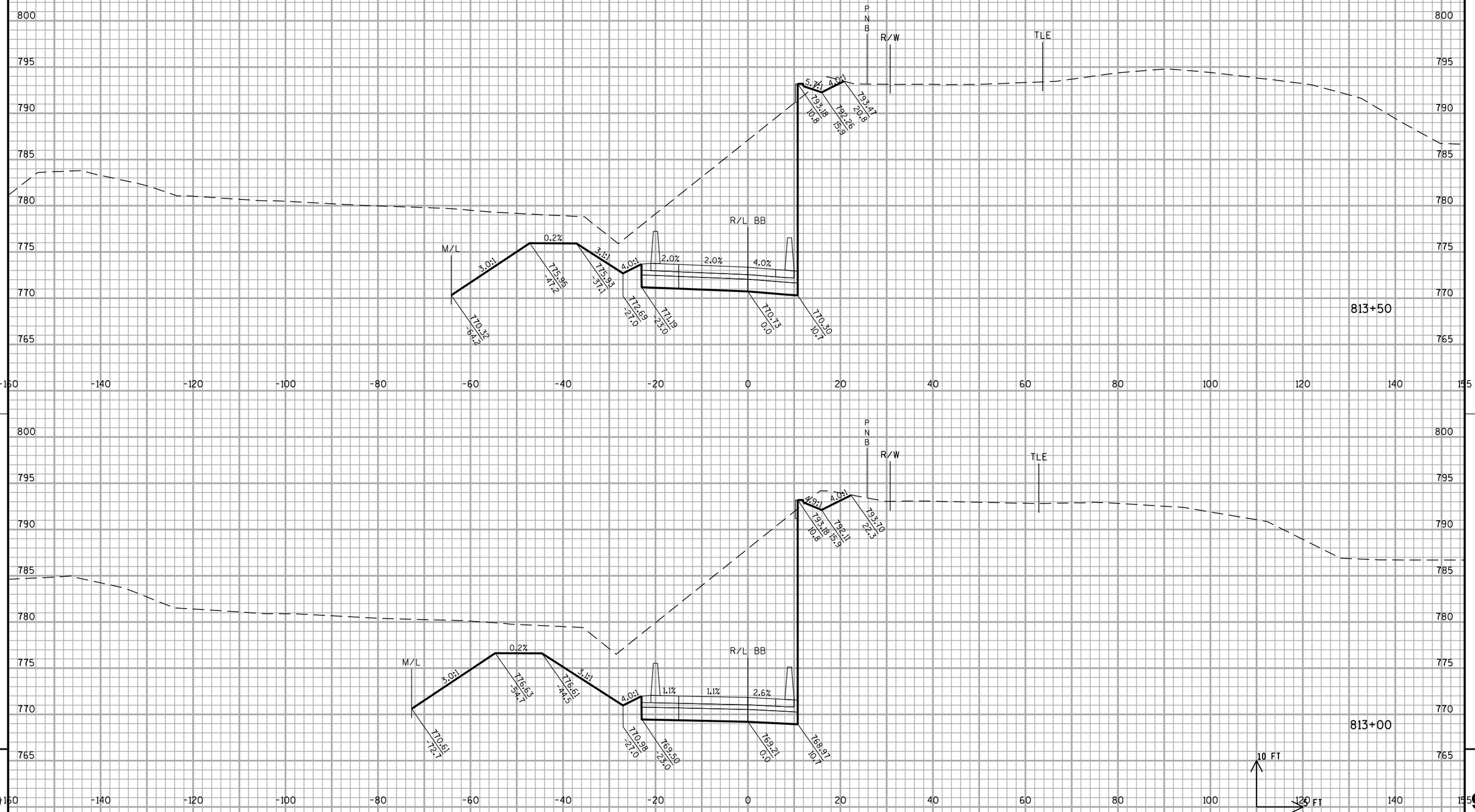
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb20 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb21 PLOT SCALE : 20:1

ALL WORK STAGE 7

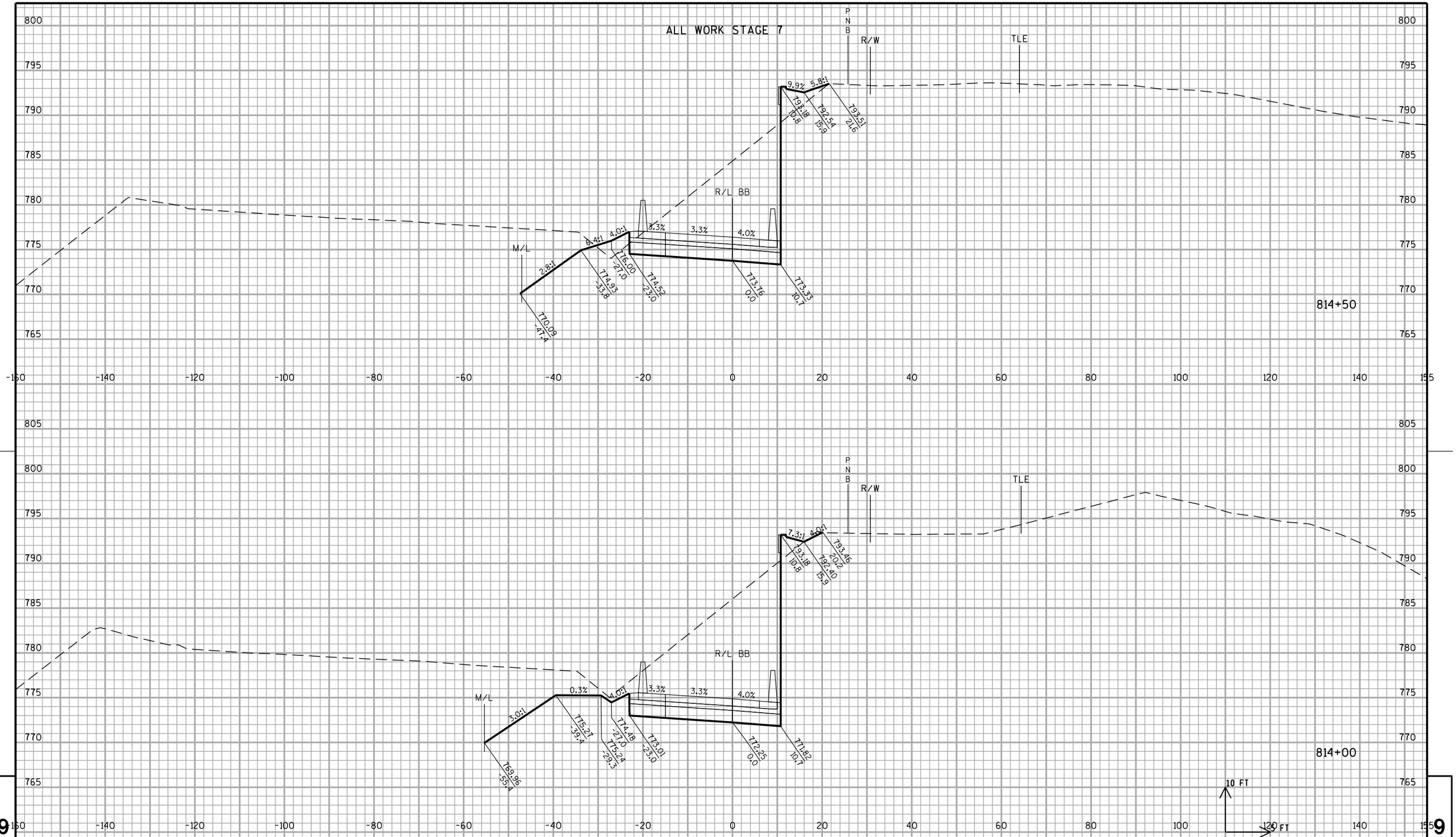


STA 813+00 TO 813+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb22 PLOT SCALE : 20:1

ALL WORK STAGE 7

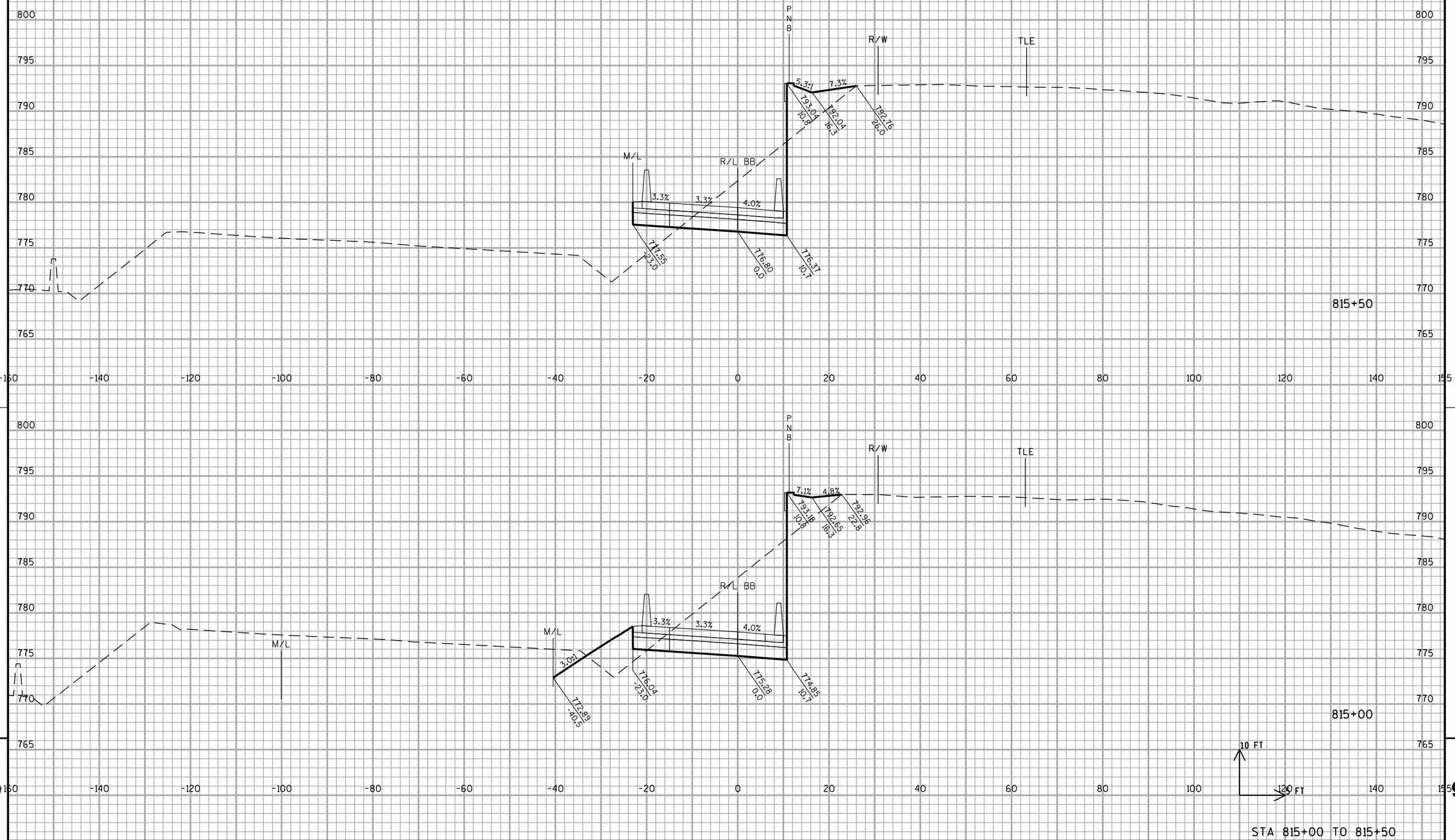


STA 814+00 TO 814+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb23 PLOT SCALE : 20:1

ALL WORK STAGE 7



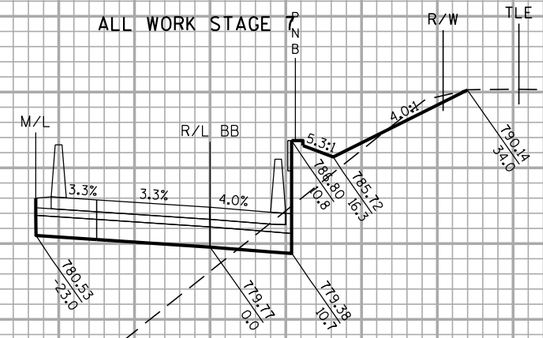
STA 815+00 TO 815+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

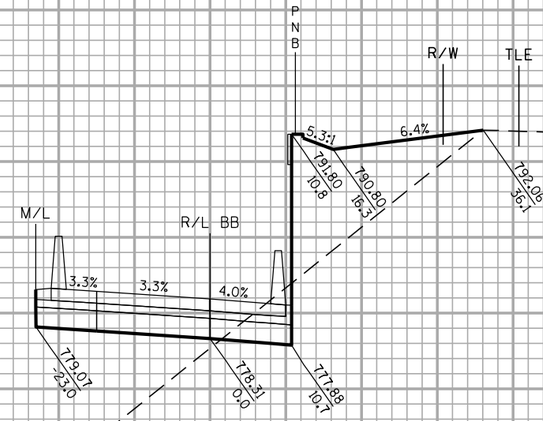
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



816+50



816+00

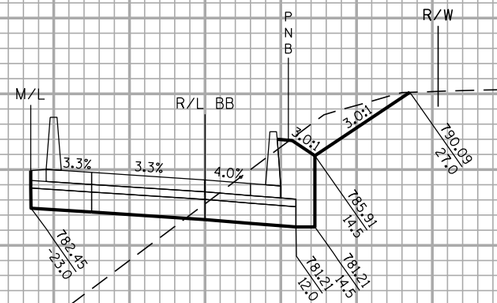
10 FT

10 FT

STA 816+00 TO 816+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

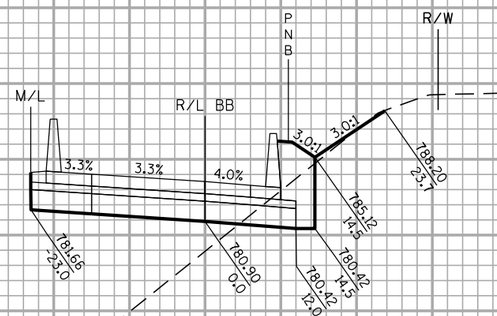
ALL WORK STAGE 7



817+50

795 790 785 780 775 770 765 760

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155



817+00

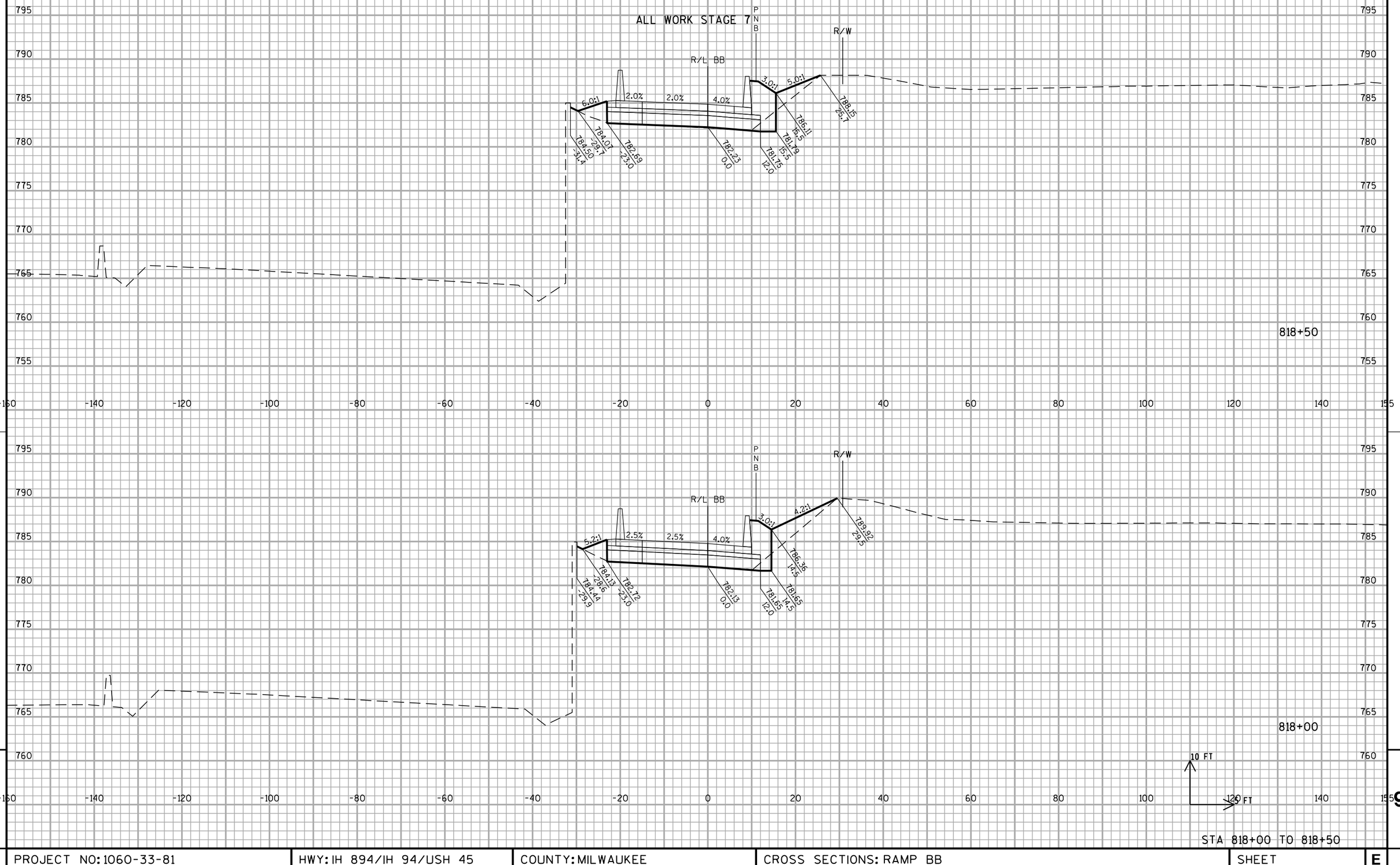
10 FT

10 FT

STA 817+00 TO 817+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb26 PLOT SCALE : 20:1

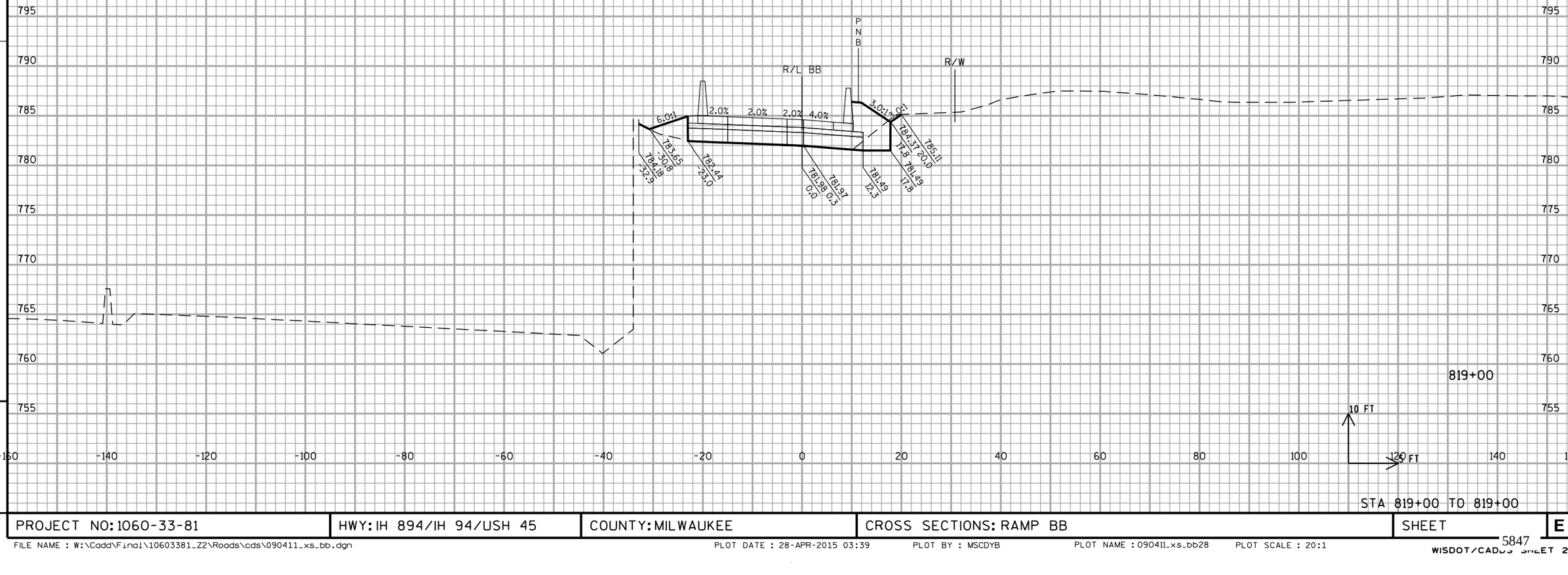


STA 818+00 TO 818+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

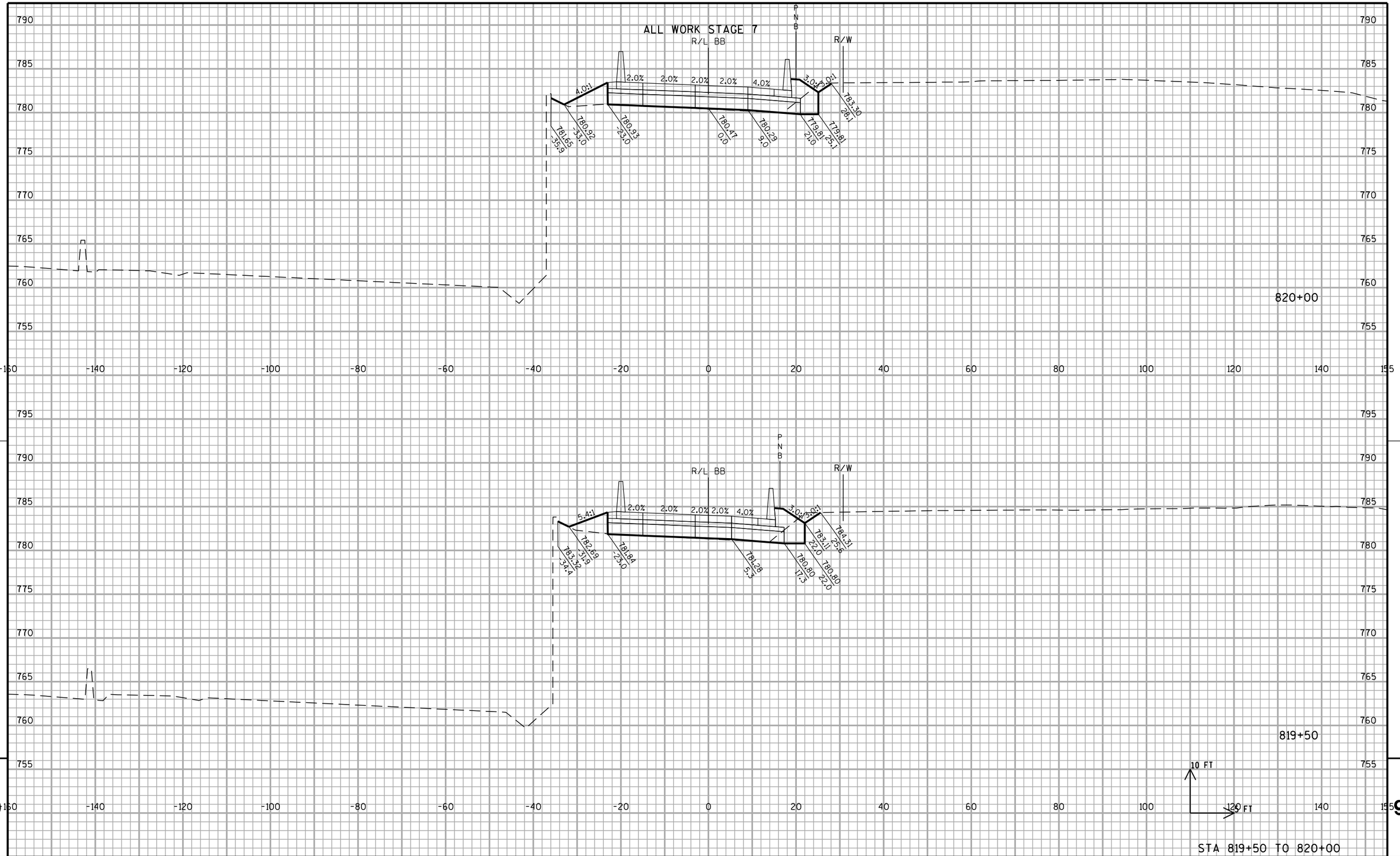
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ALL WORK STAGE 7



STA 819+00 TO 819+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

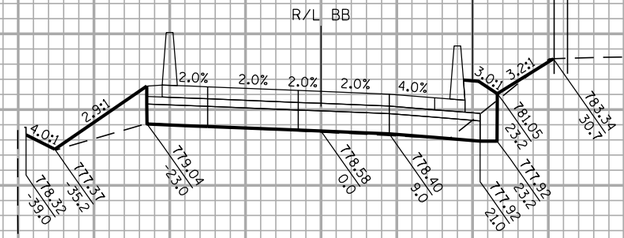


STA 819+50 TO 820+00

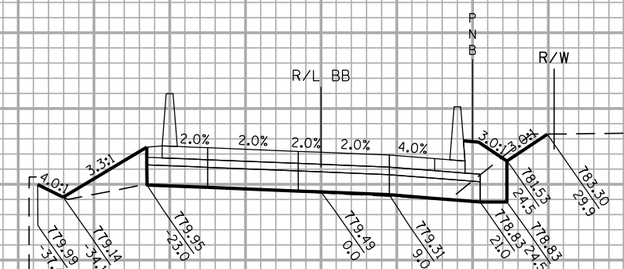
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb29 PLOT SCALE : 20:1

ALL WORK STAGE 7



821+00



820+50

10 FT
10 FT

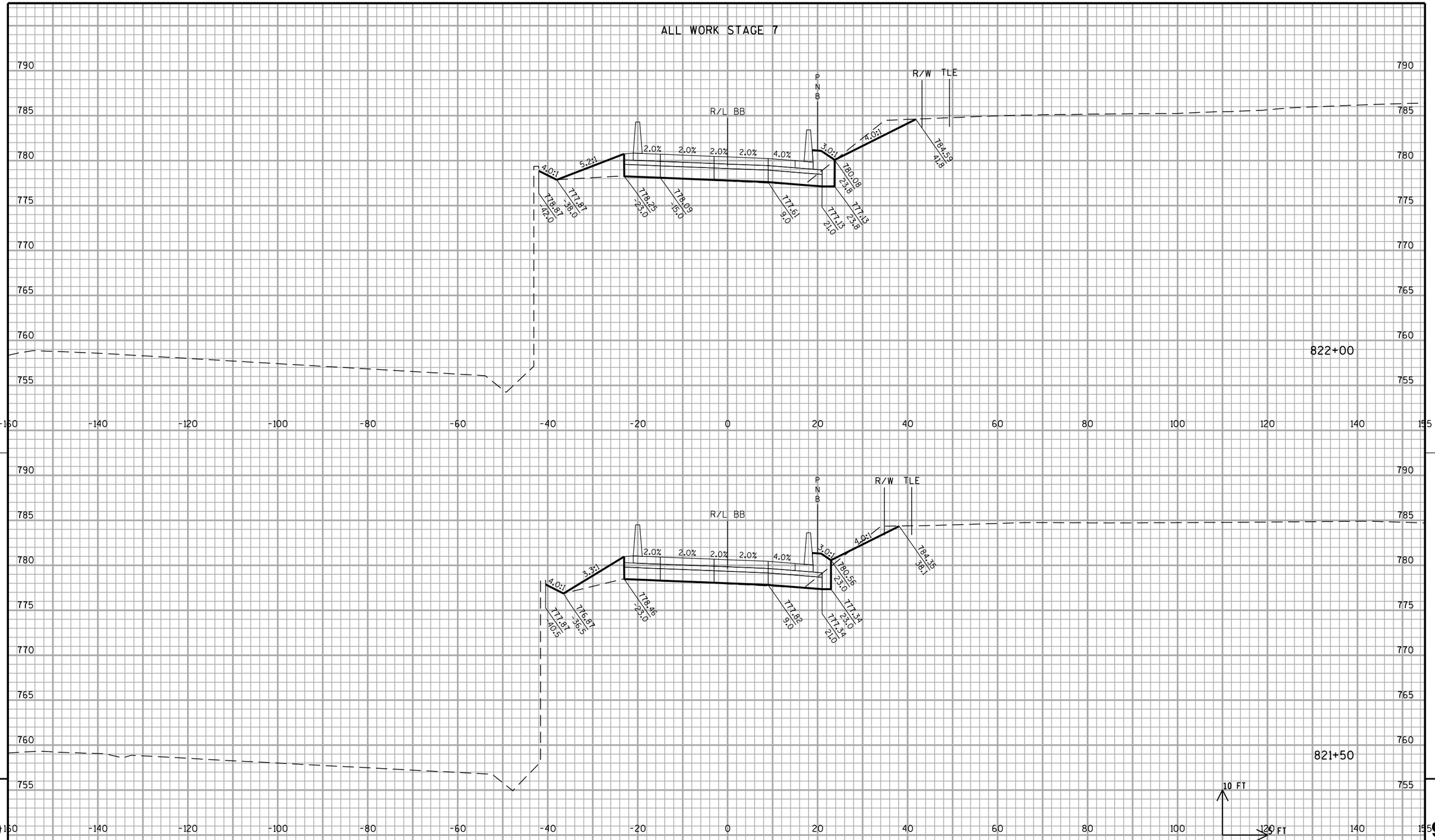
STA 820+50 TO 821+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb30 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

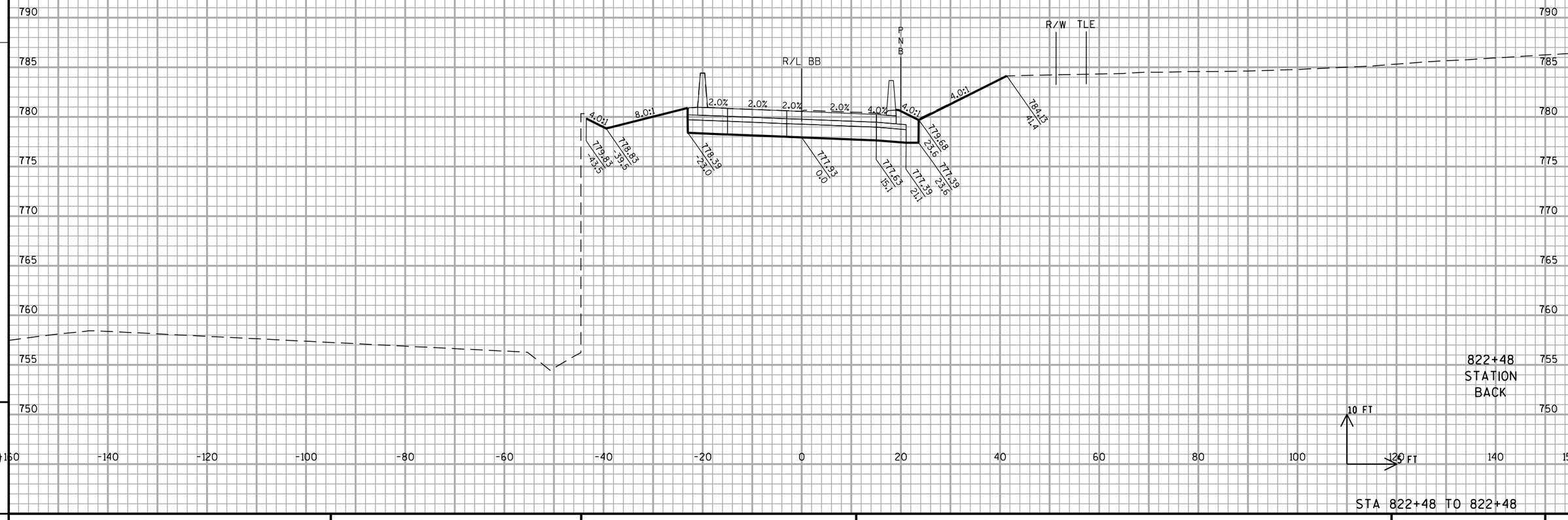
ALL WORK STAGE 7



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb31 PLOT SCALE : 20:1

ALL WORK STAGE 7



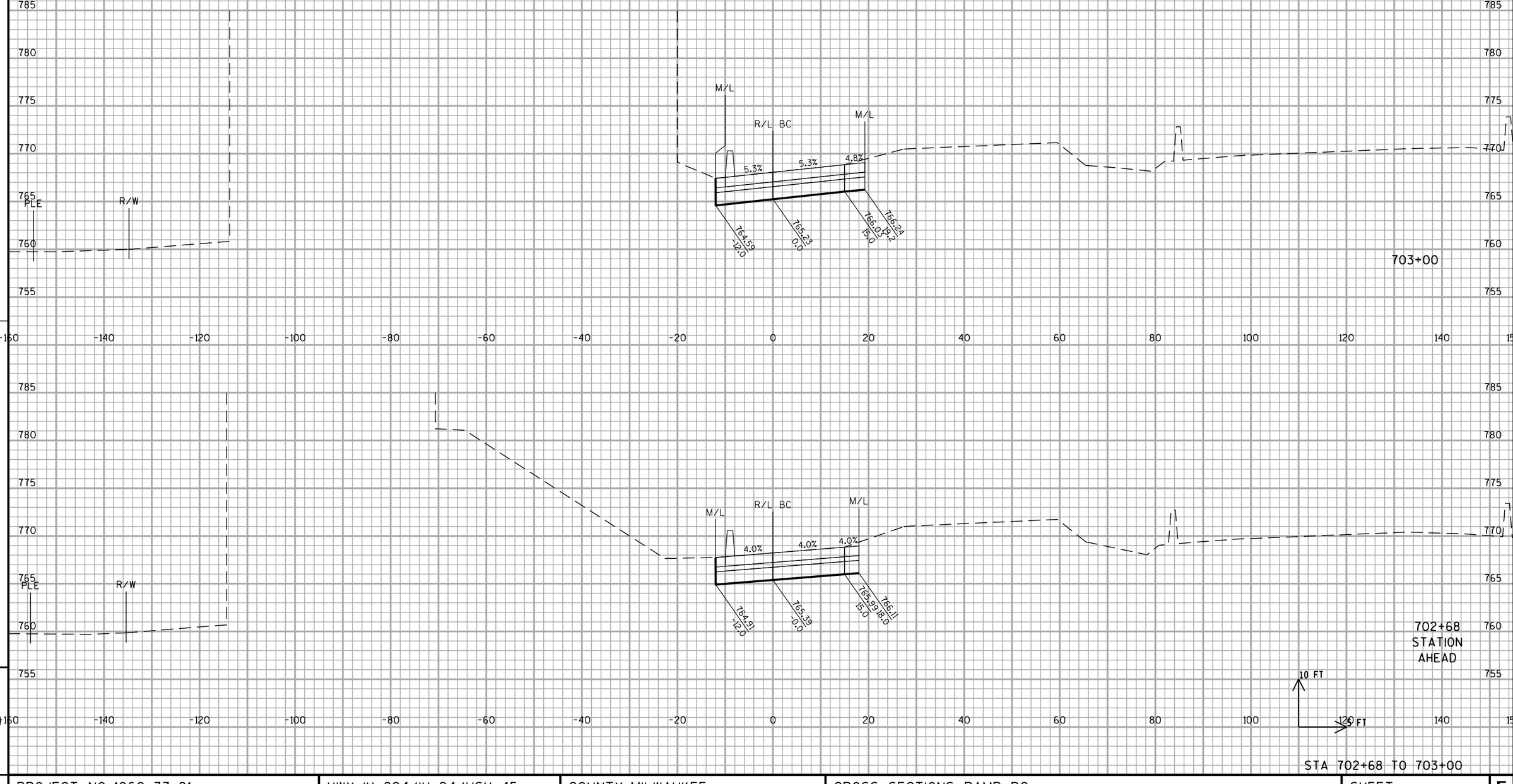
STA 822+48 TO 822+48

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090411_xs_bb.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090411_xs_bb32 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

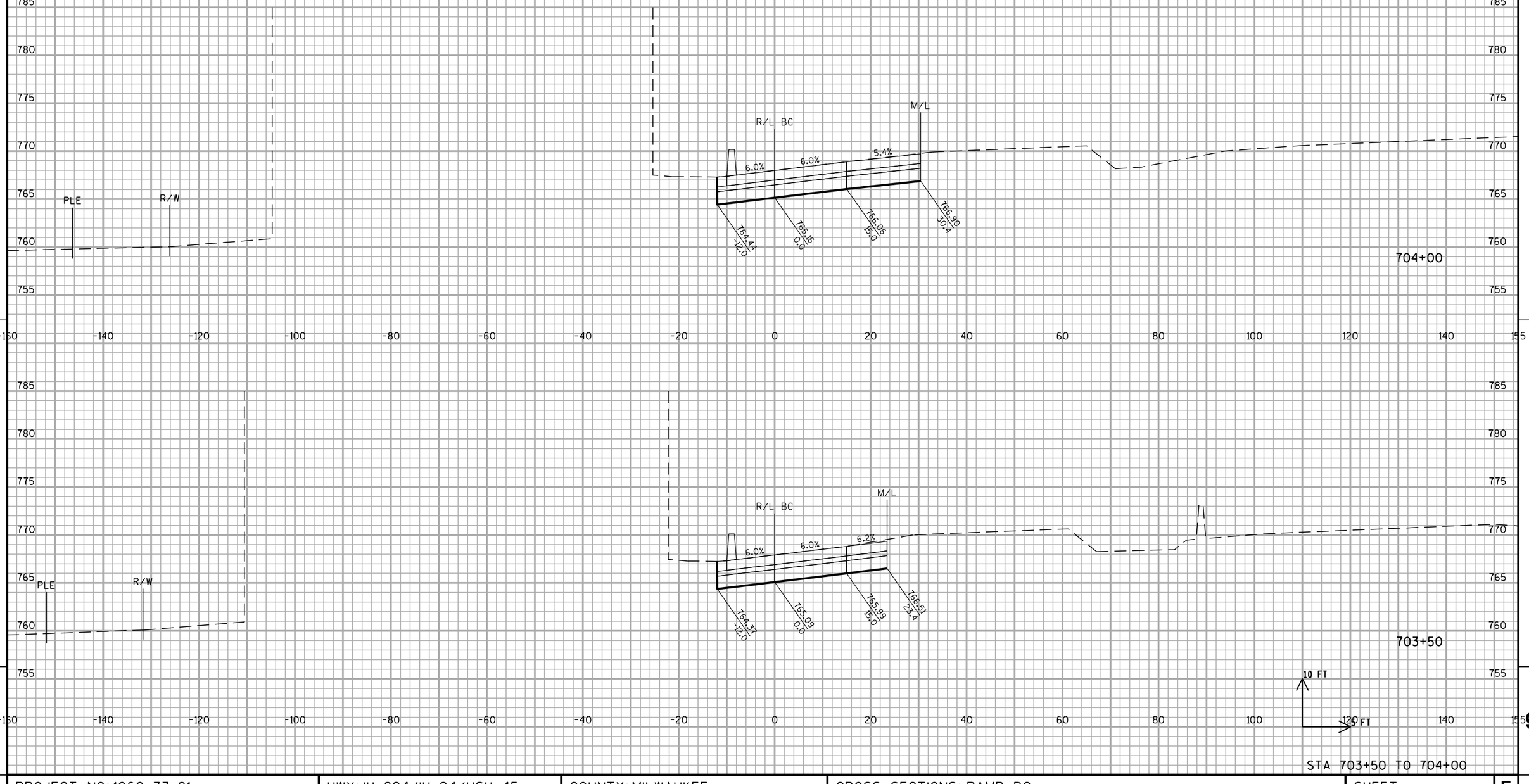


STA 702+68 TO 703+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc PLOT SCALE : 20:1

ALL WORK STAGE 6

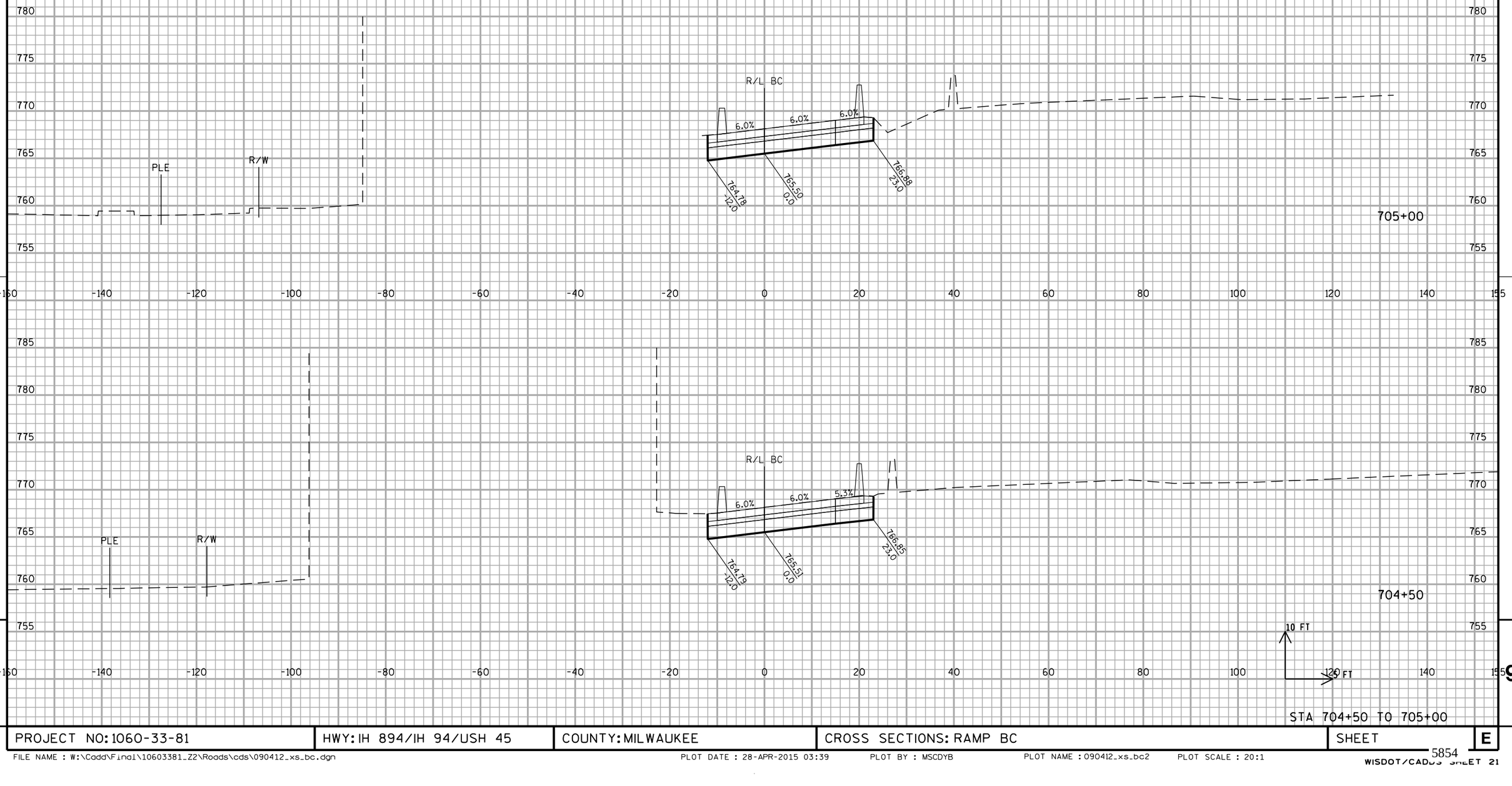


STA 703+50 TO 704+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc1 PLOT SCALE : 20:1

ALL WORK STAGE 6

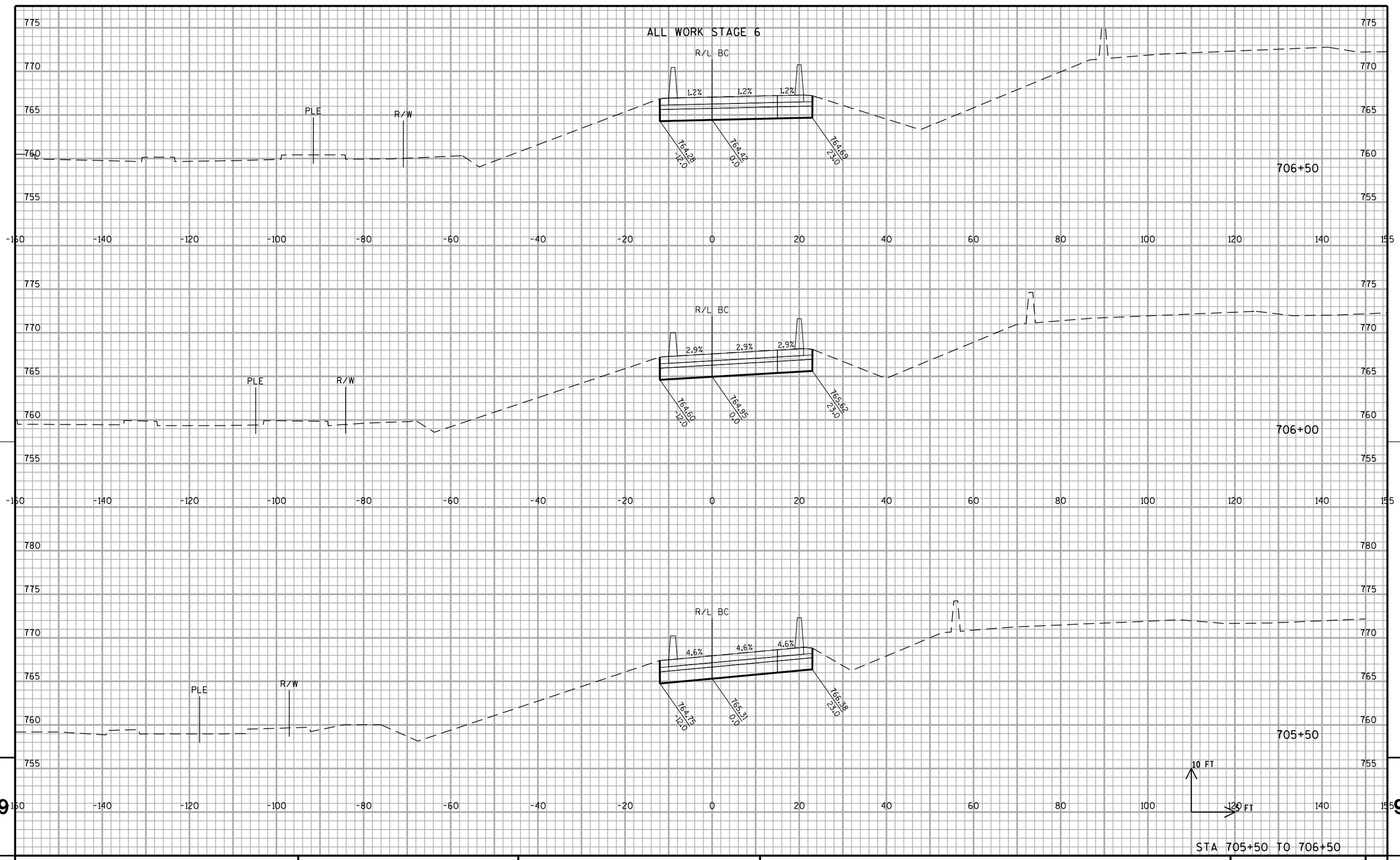


STA 704+50 TO 705+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc2 PLOT SCALE : 20:1

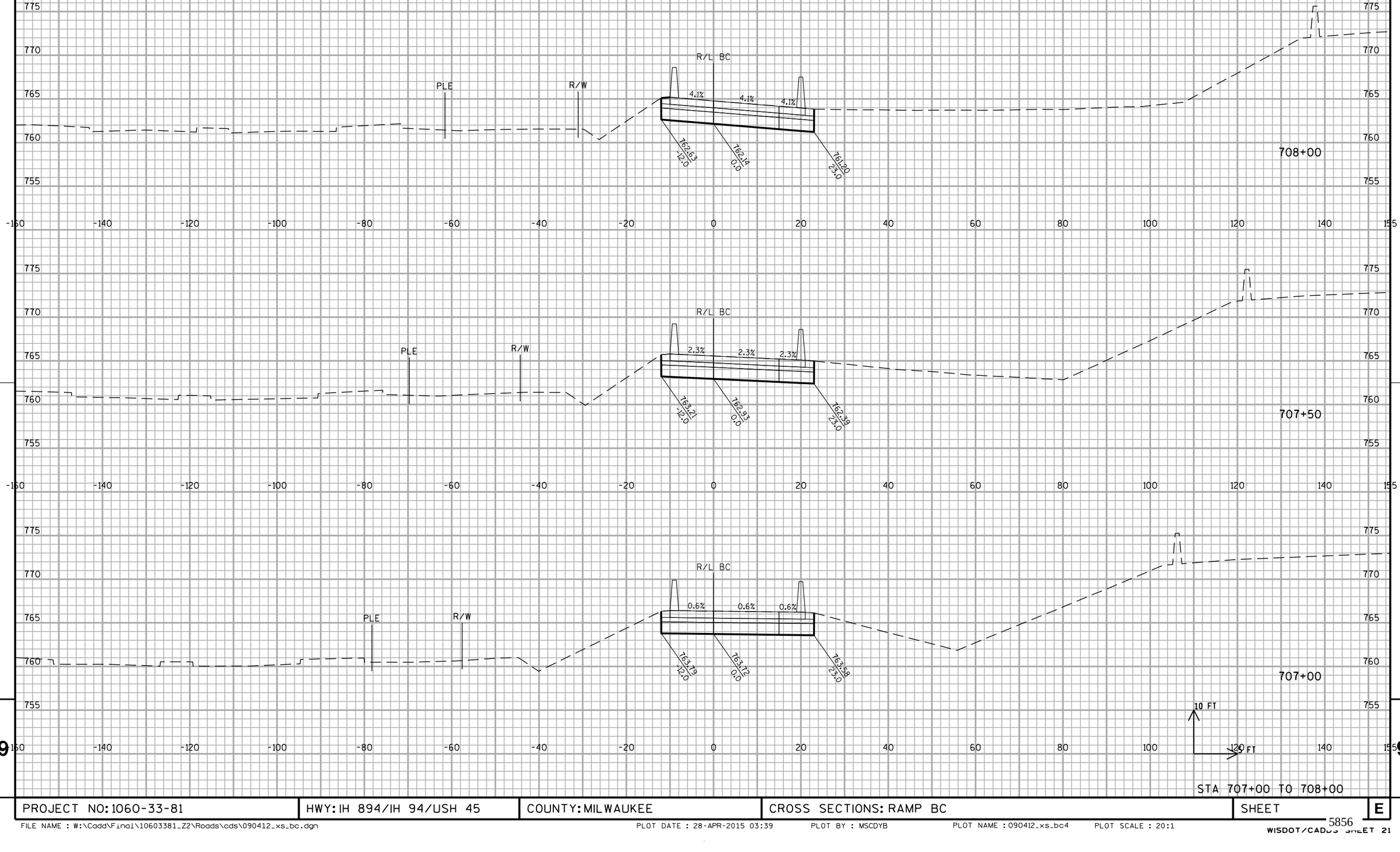
ALL WORK STAGE 6



STA 705+50 TO 706+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

ALL WORK STAGE 6

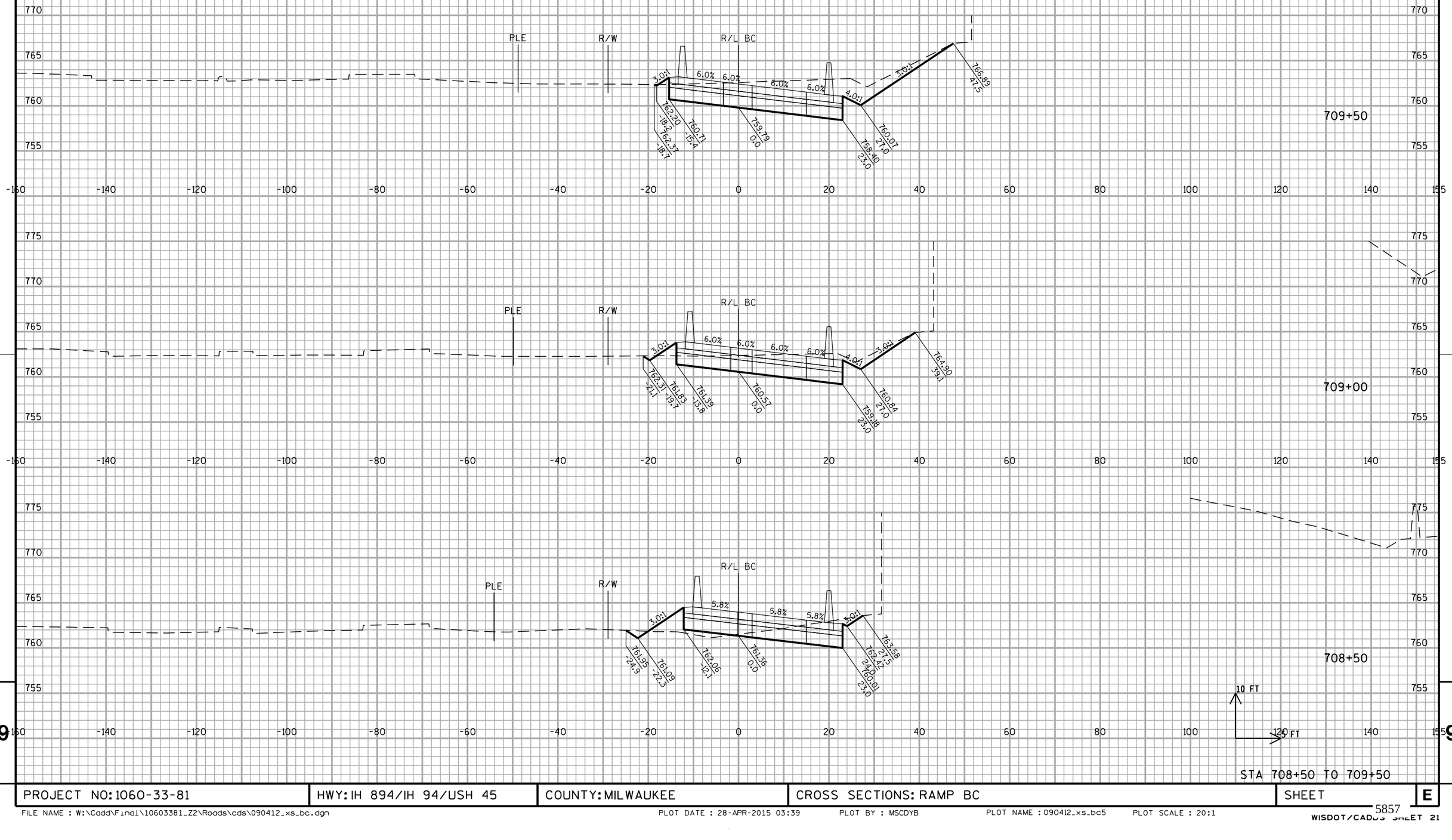


STA 707+00 TO 708+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc4 PLOT SCALE : 20:1

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

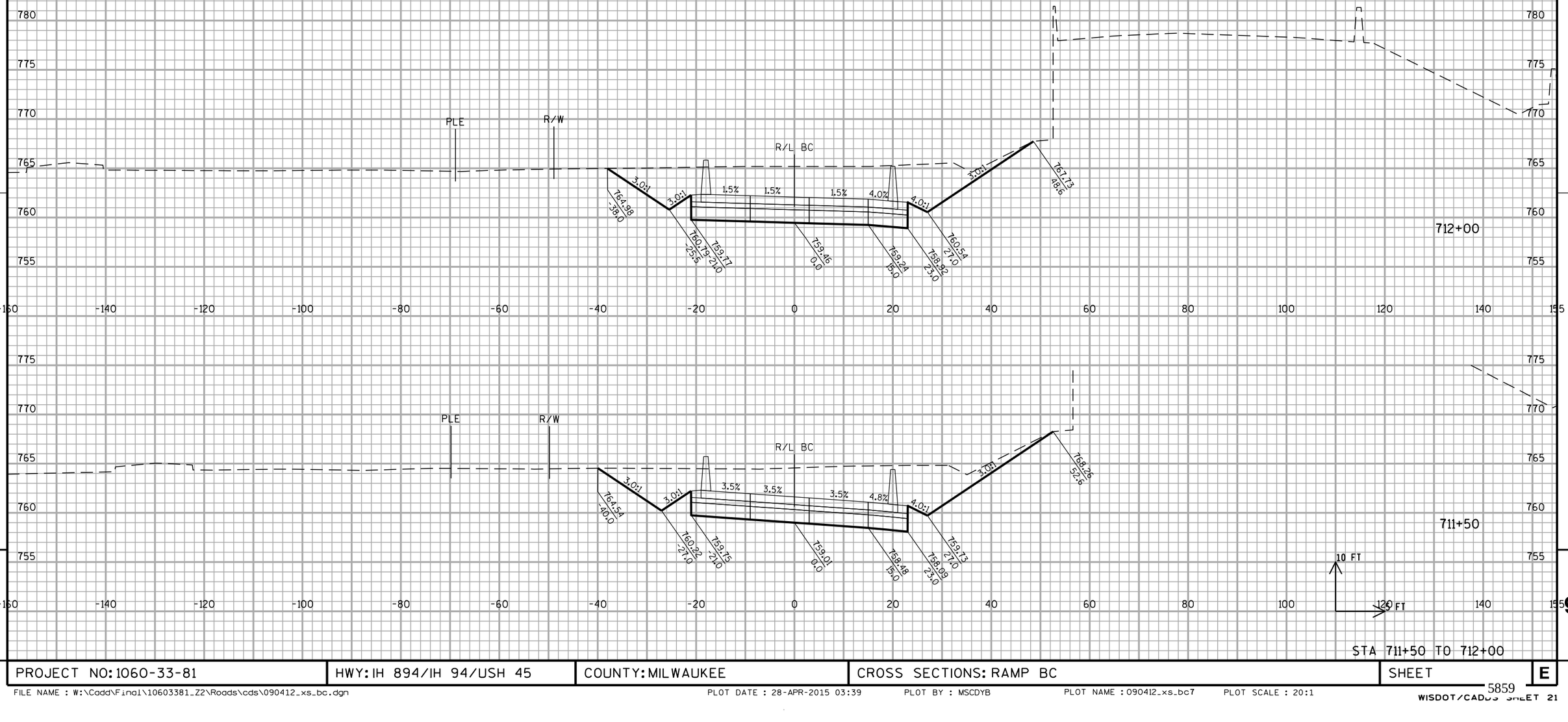
ALL WORK STAGE 6

STA 710+00 TO 711+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc6 PLOT SCALE : 20:1

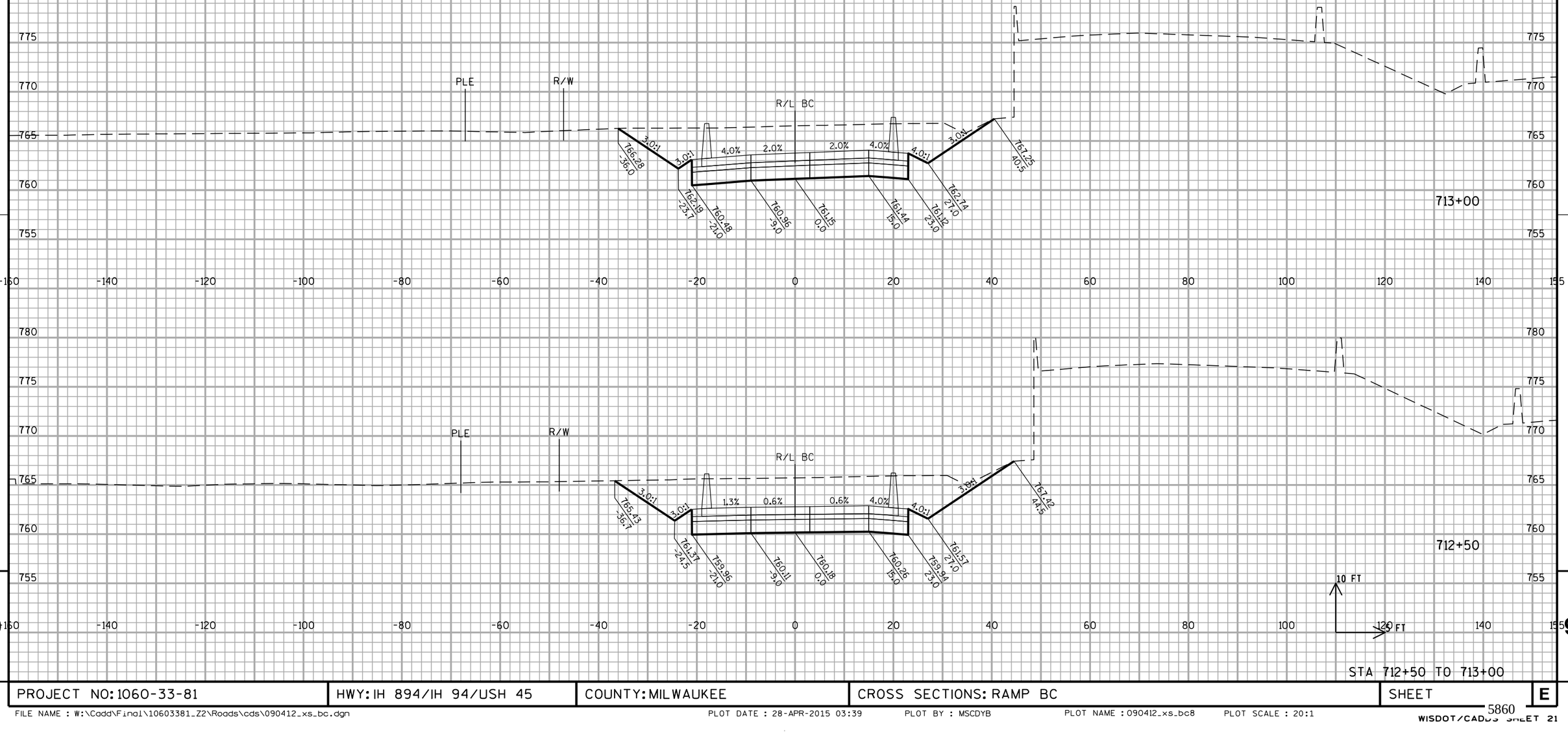
ALL WORK STAGE 6



STA 711+50 TO 712+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

ALL WORK STAGE 6

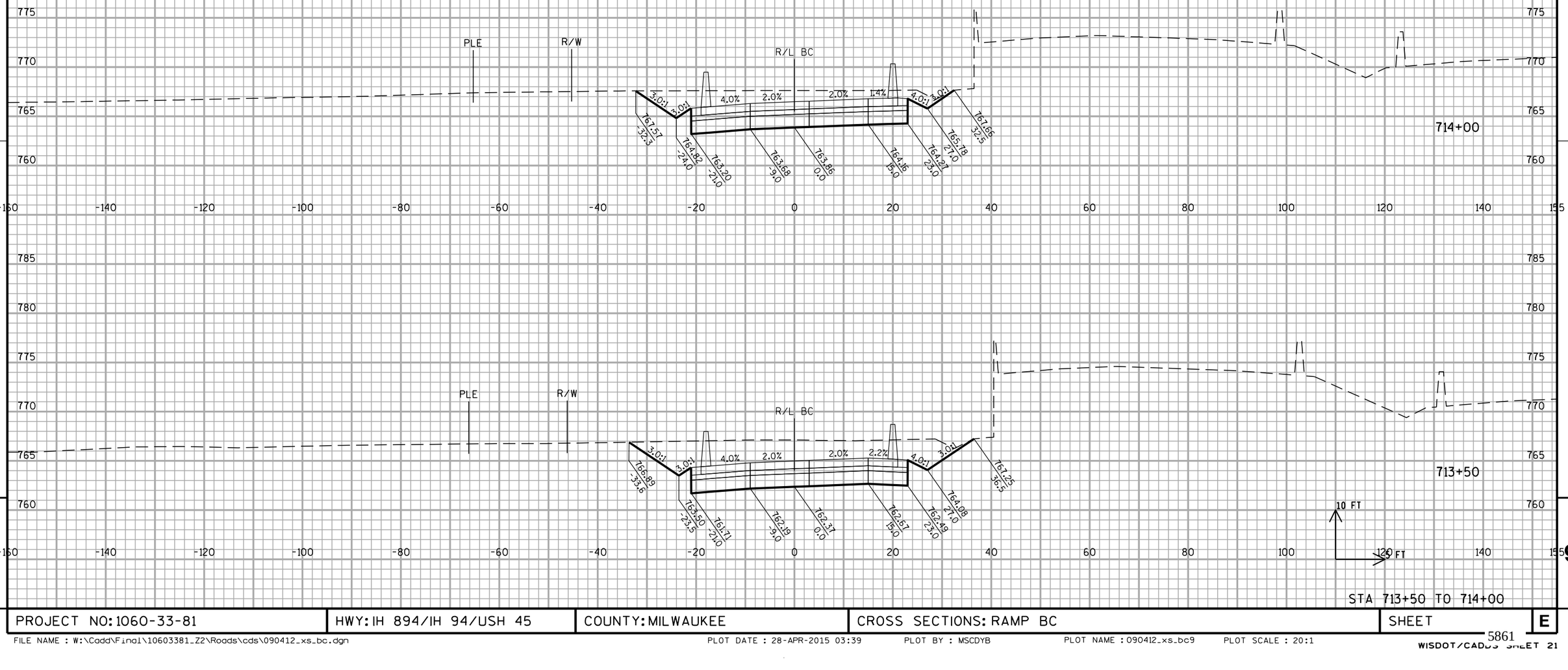


STA 712+50 TO 713+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc8 PLOT SCALE : 20:1

ALL WORK STAGE 6

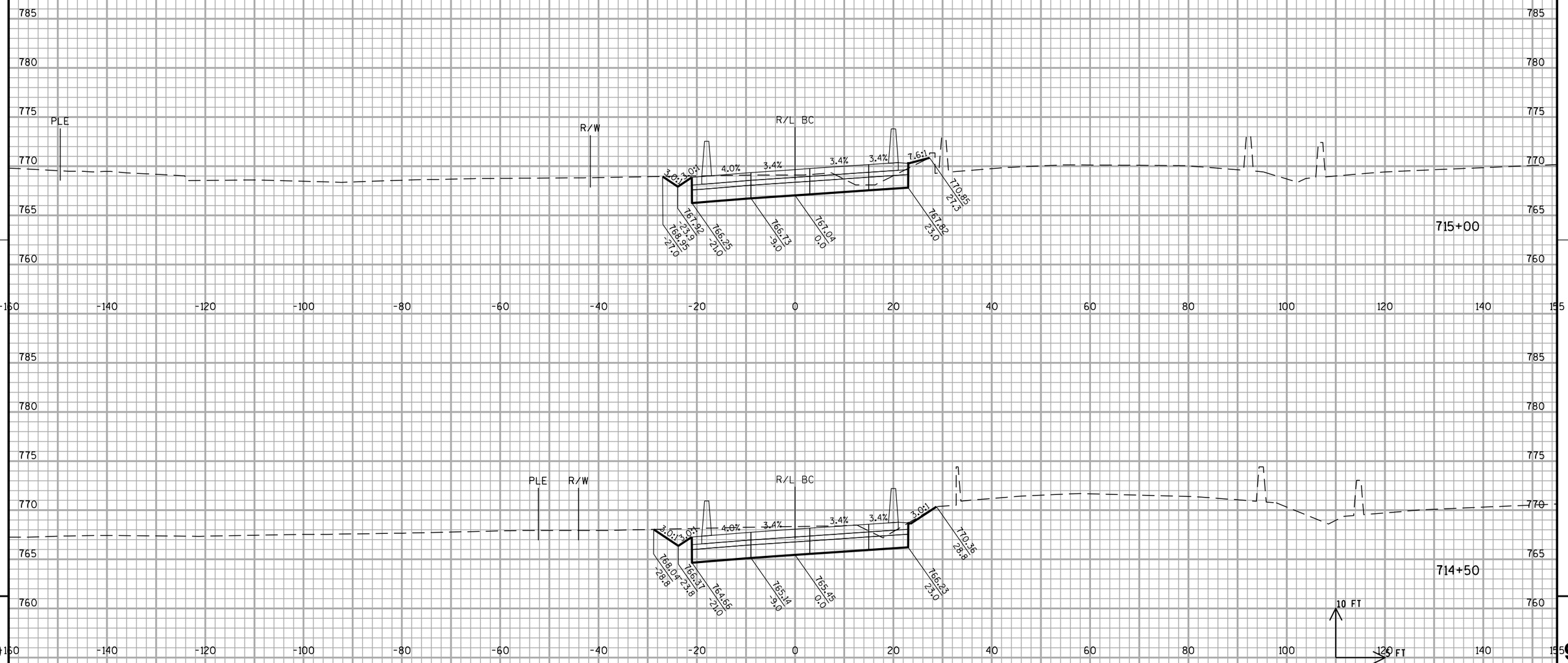


STA 713+50 TO 714+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc9 PLOT SCALE : 20:1

ALL WORK STAGE 6

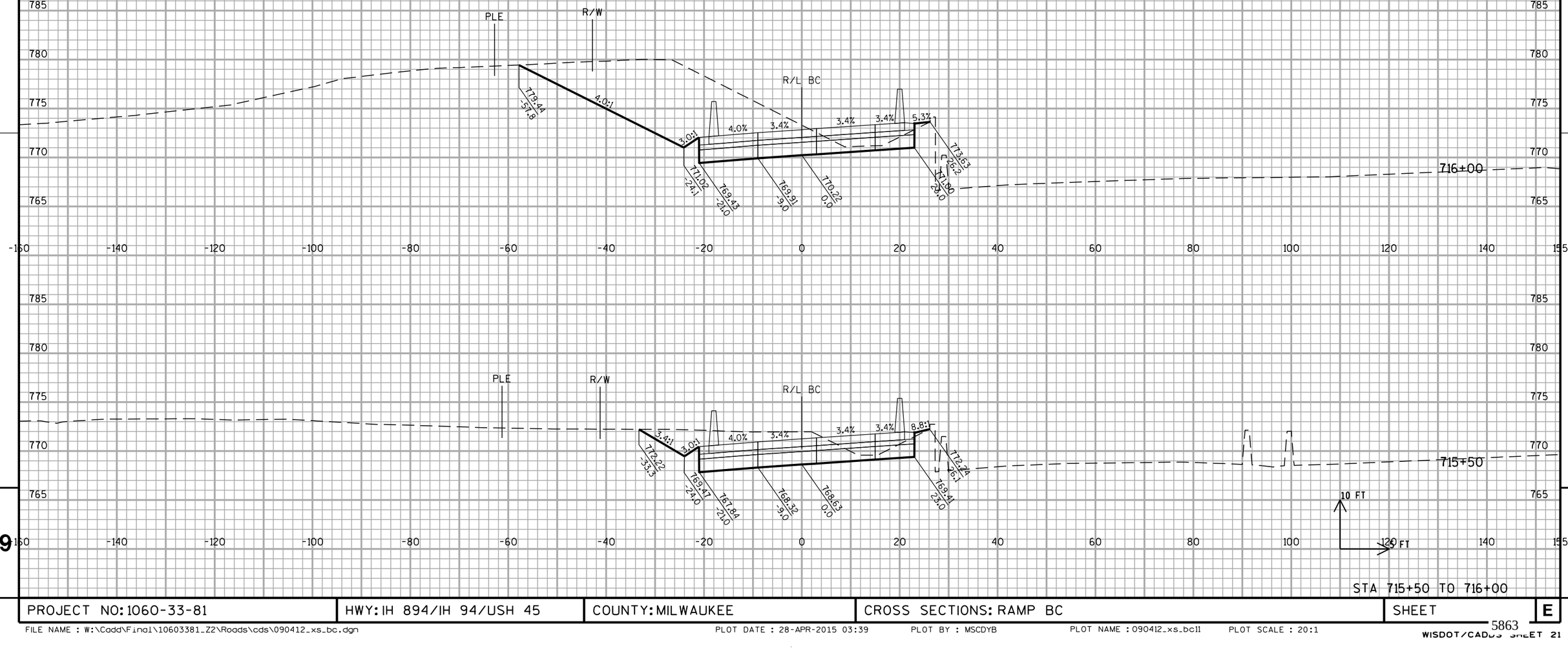


STA 714+50 TO 715+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc10 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

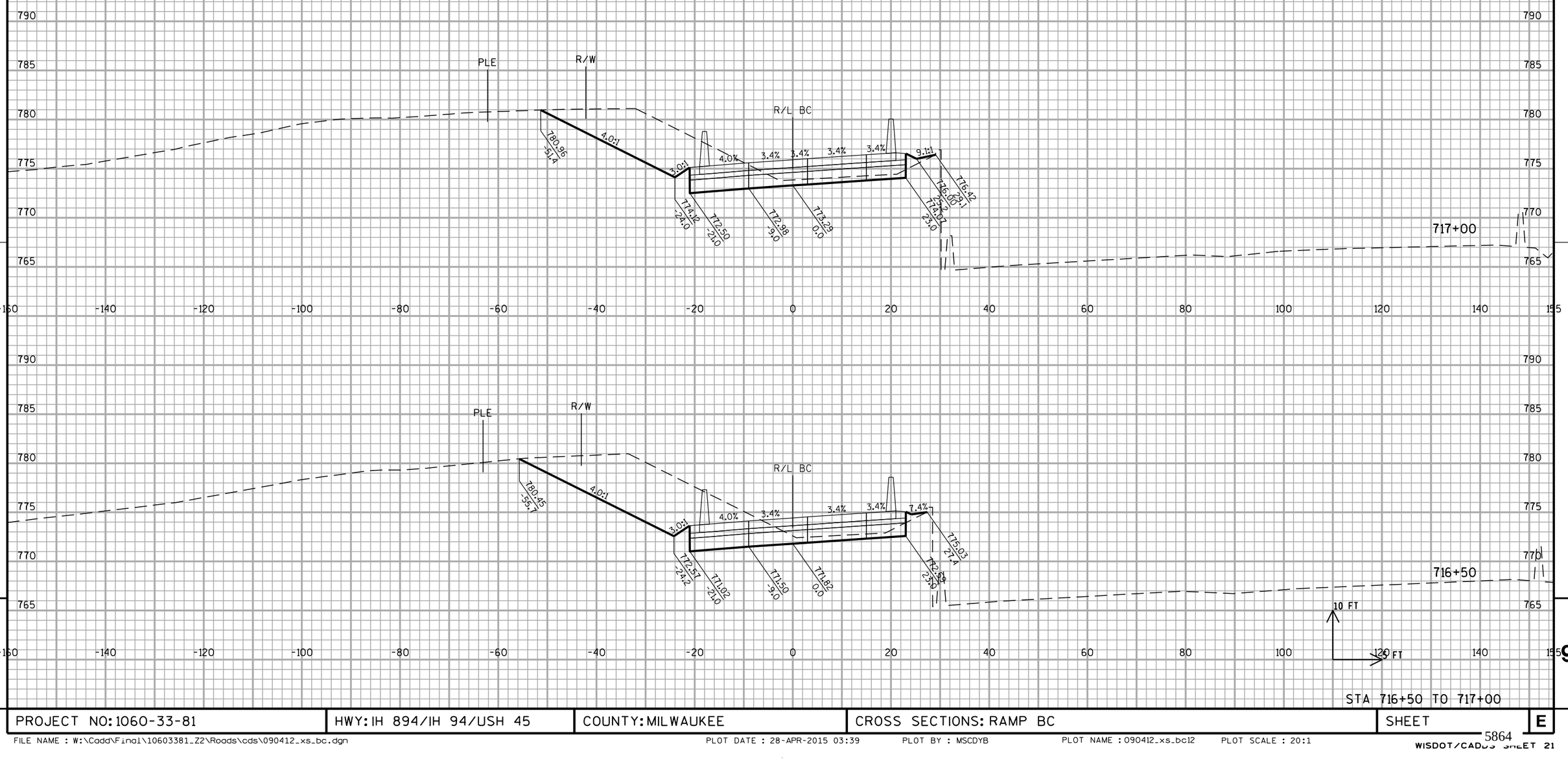


STA 715+50 TO 716+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc11 PLOT SCALE : 20:1

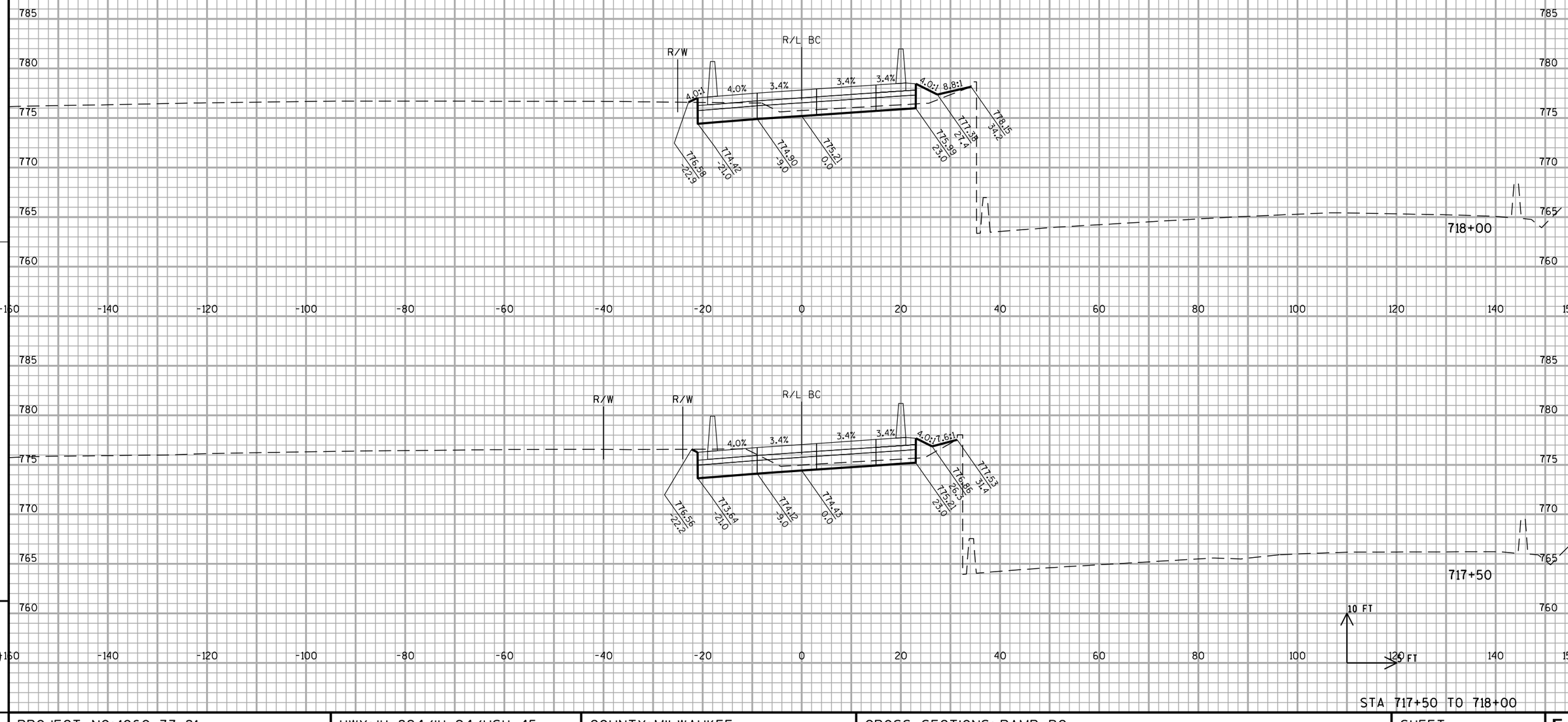
ALL WORK STAGE 6



STA 716+50 TO 717+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

ALL WORK STAGE 6

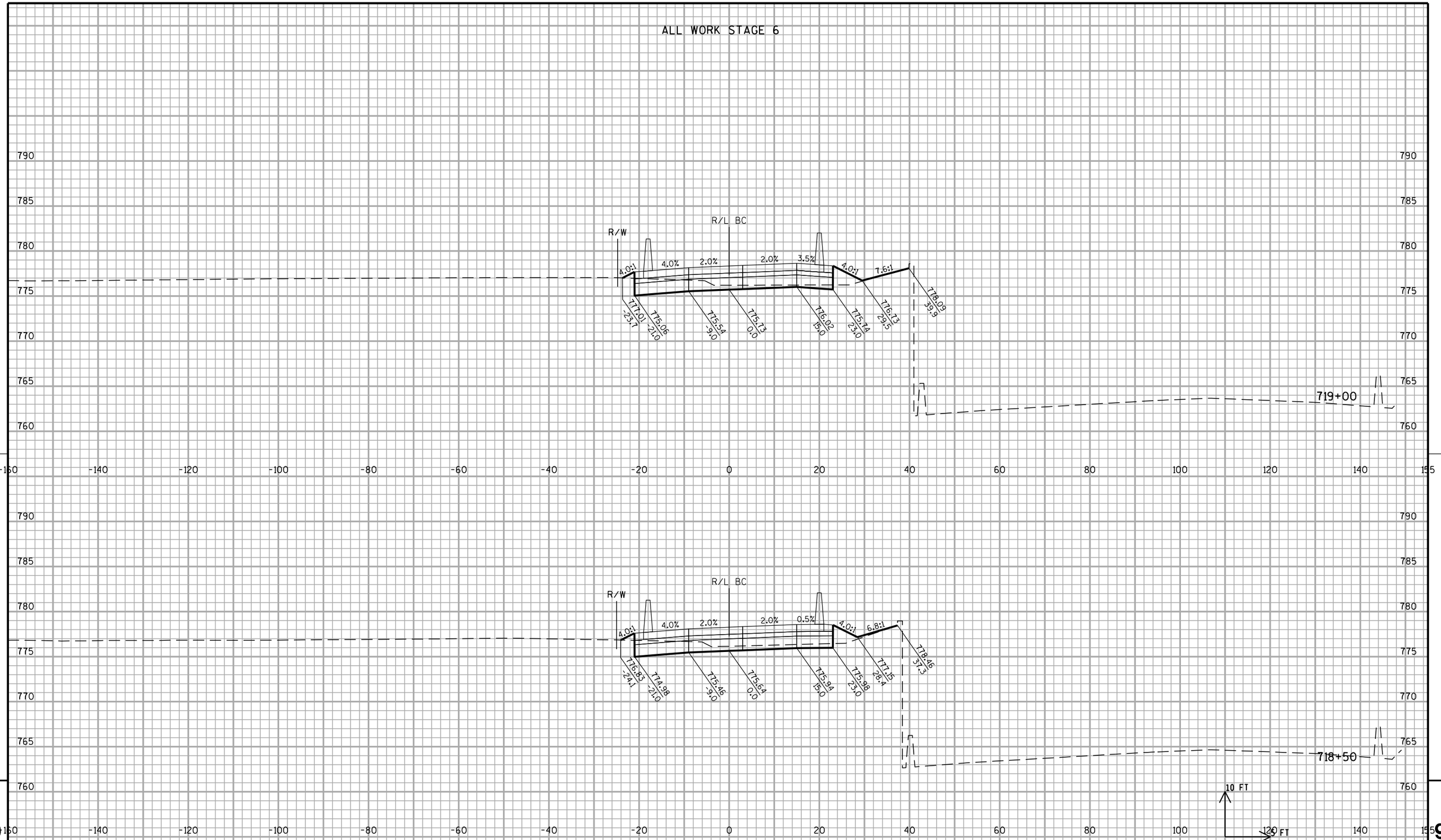


STA 717+50 TO 718+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc13 PLOT SCALE : 20:1

ALL WORK STAGE 6

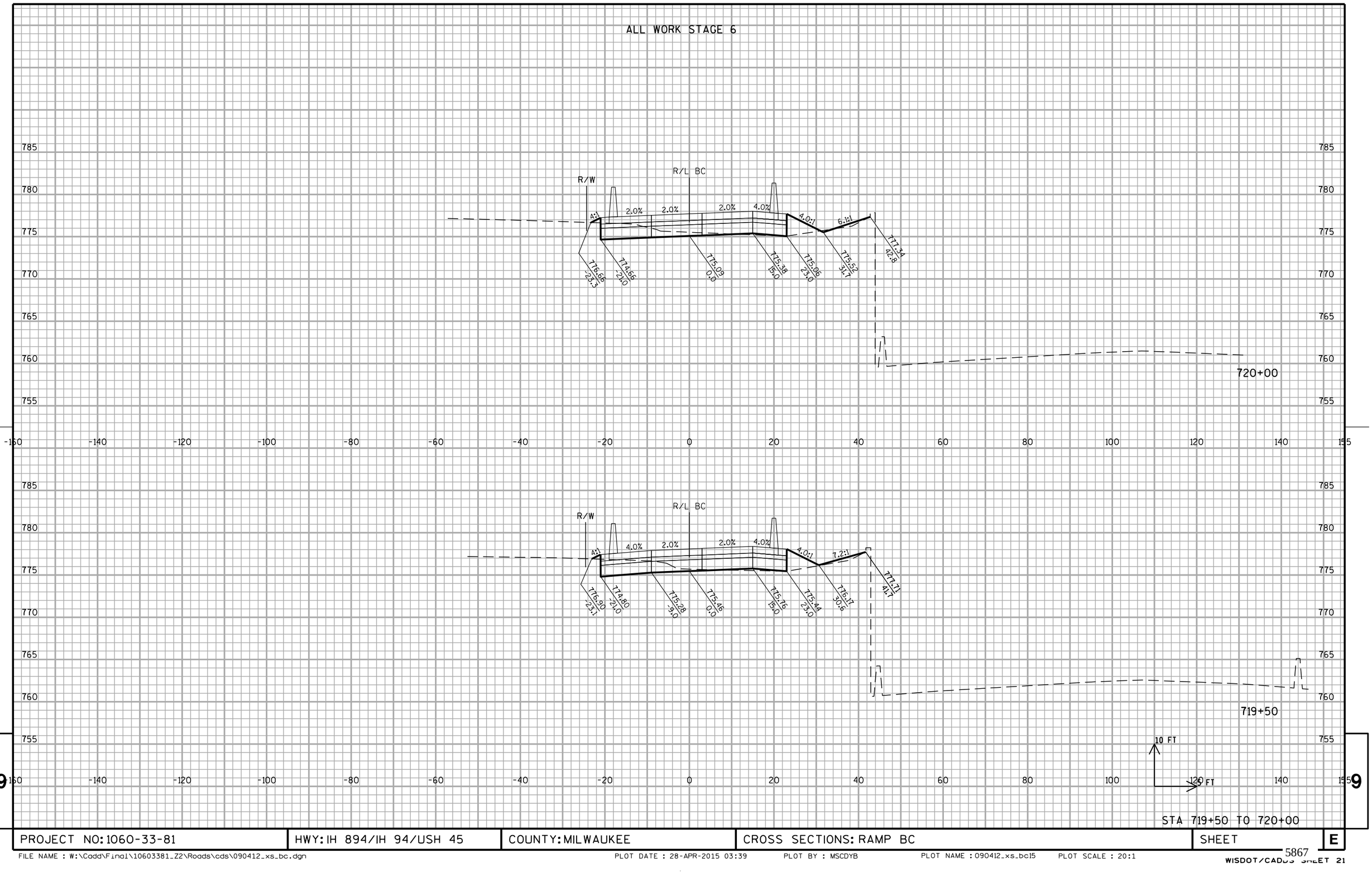


STA 718+50 TO 719+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc14 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 719+50 TO 720+00

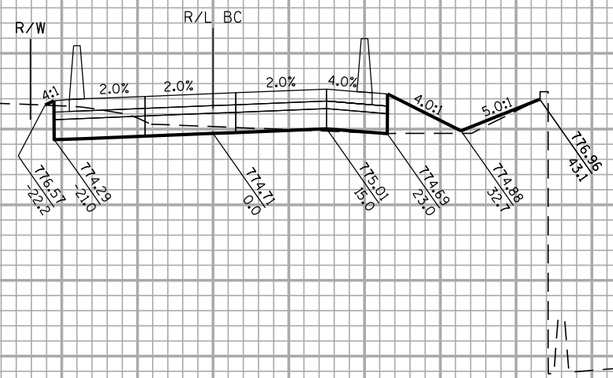
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc15 PLOT SCALE : 20:1

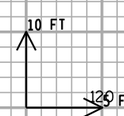
ALL WORK STAGE 6



720+92
STATION
BACK



720+50

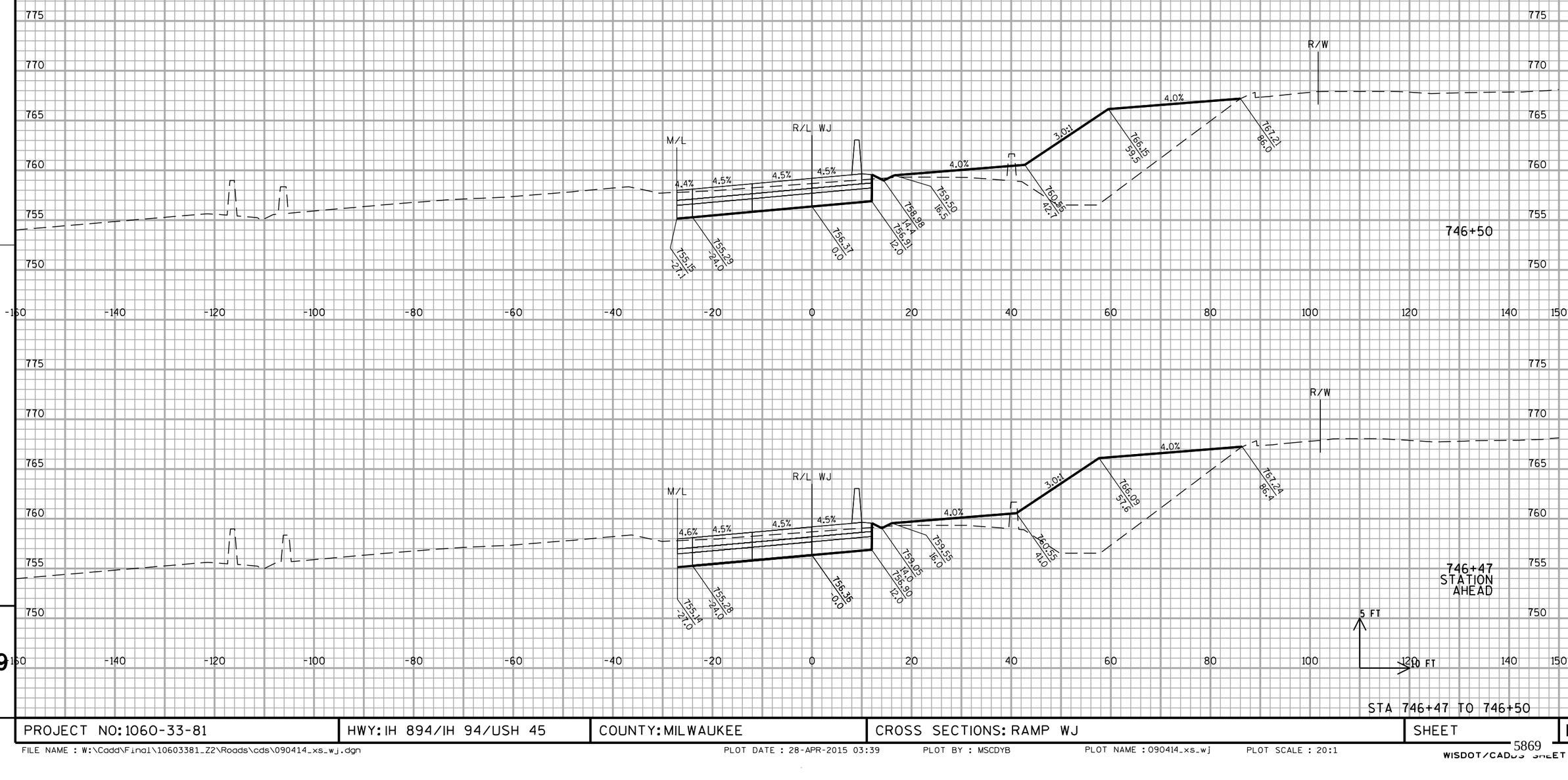


STA 720+50 TO 720+92

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090412_xs_bc.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090412_xs_bc16 PLOT SCALE : 20:1

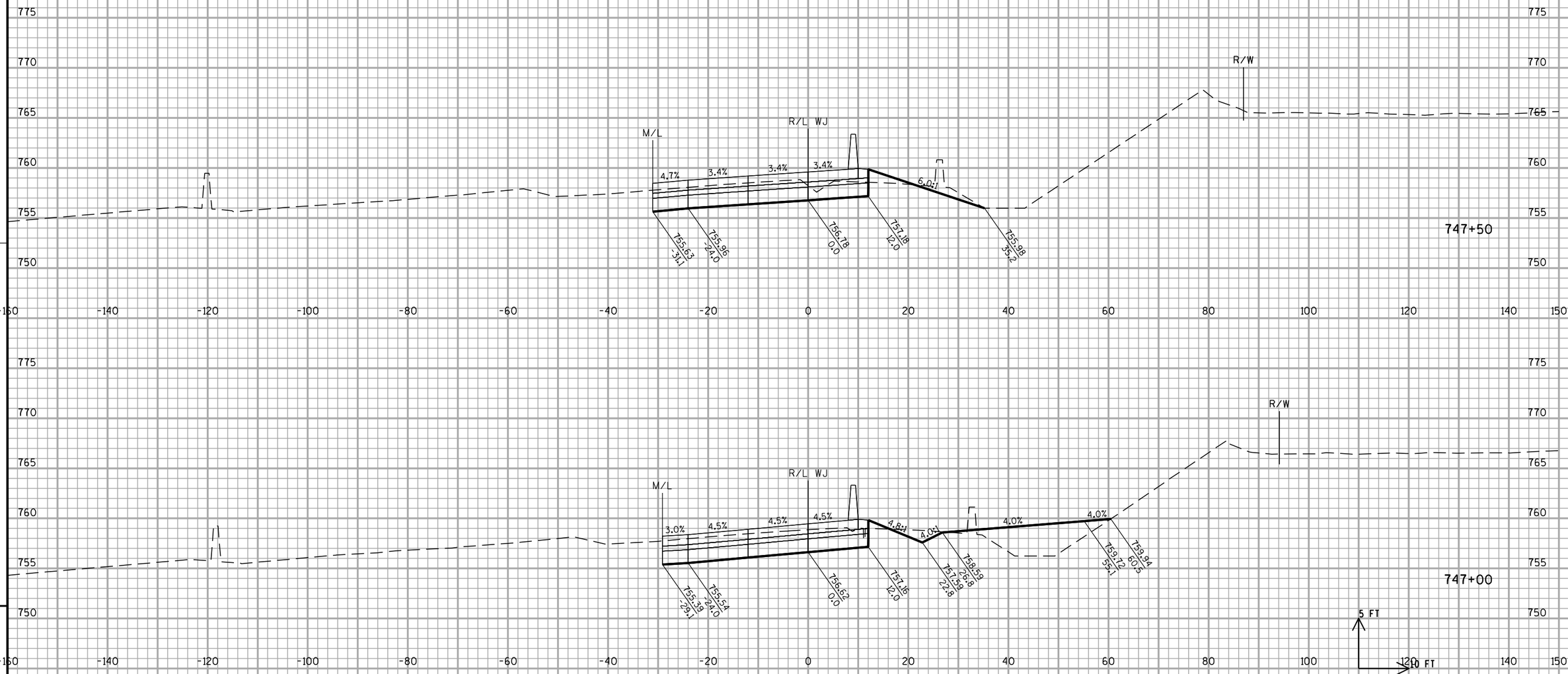
ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090414_xs_wj.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090414_xs_wj PLOT SCALE : 20:1

ALL WORK STAGE 4

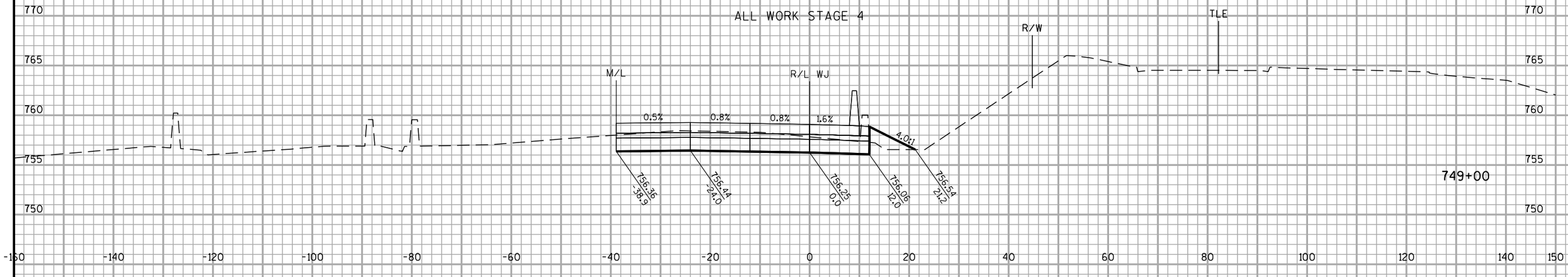


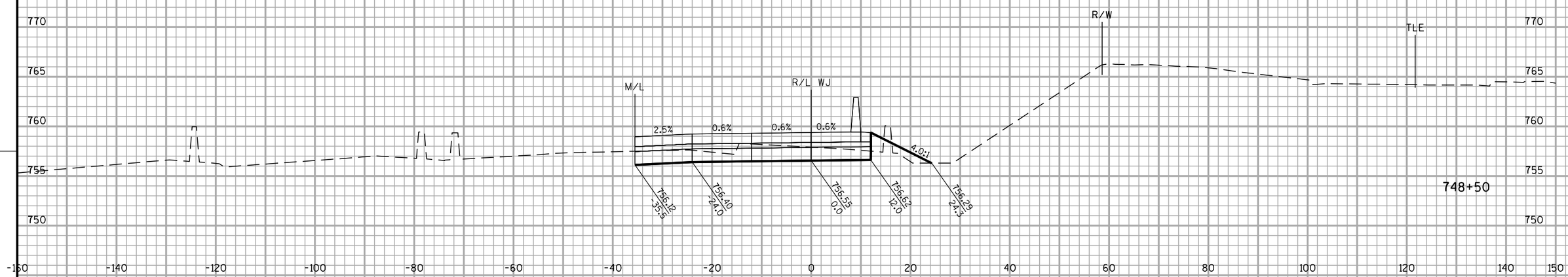
STA 747+00 TO 747+50

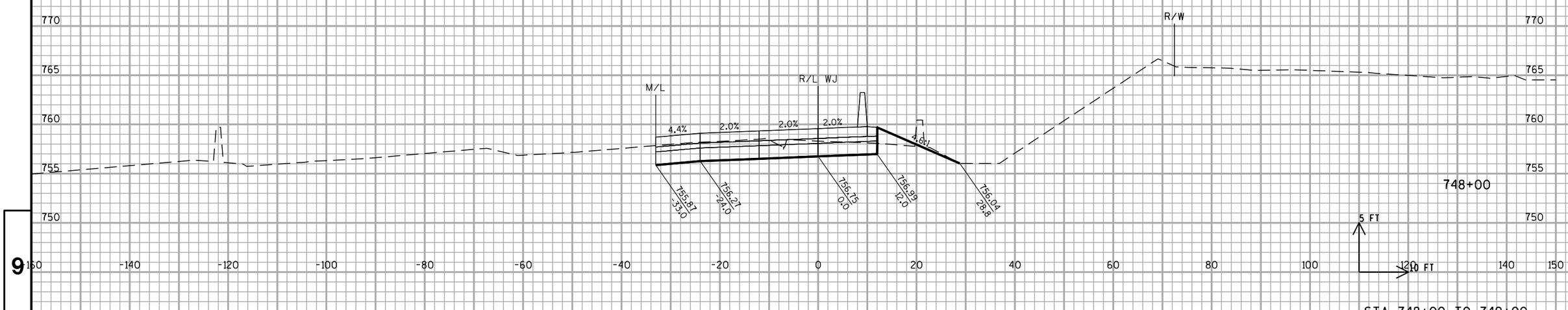
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090414_xs_wj.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090414_xs_wj1 PLOT SCALE : 20:1

ALL WORK STAGE 4





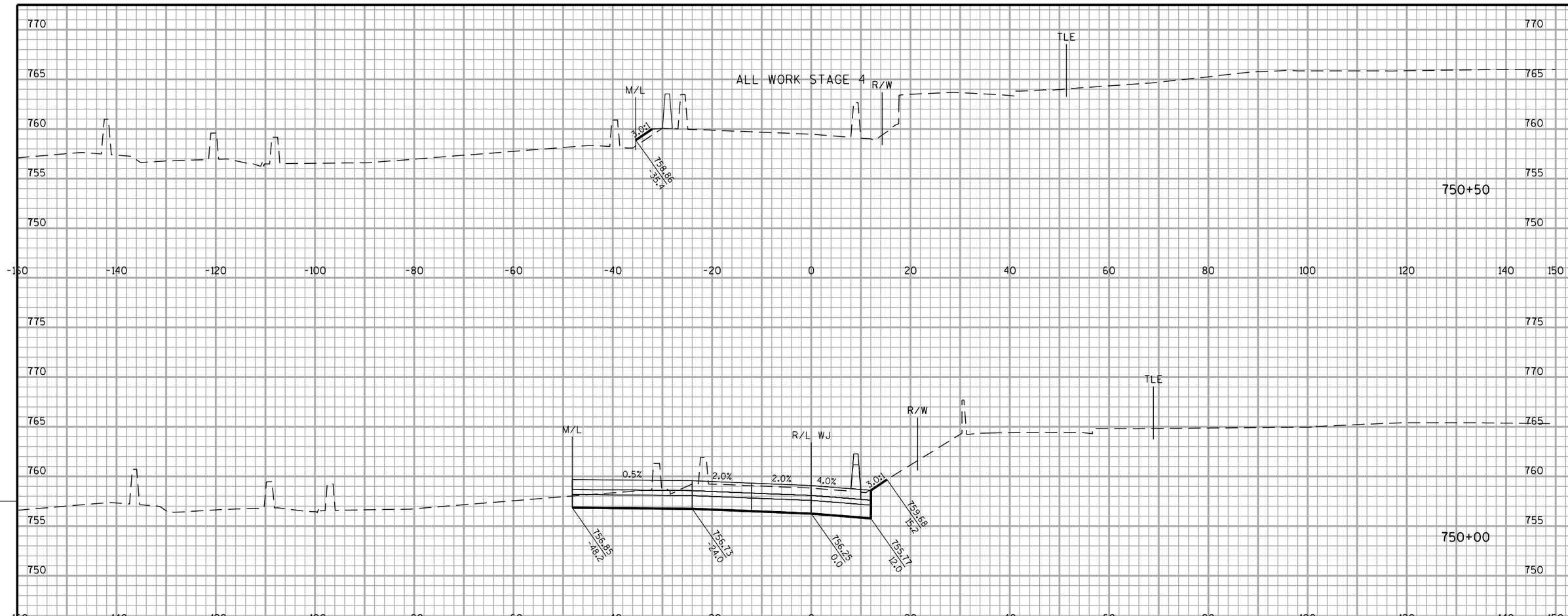


STA 748+00 TO 749+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090414_xs_wj.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090414_xs_wj2 PLOT SCALE : 20:1

ALL WORK STAGE 4

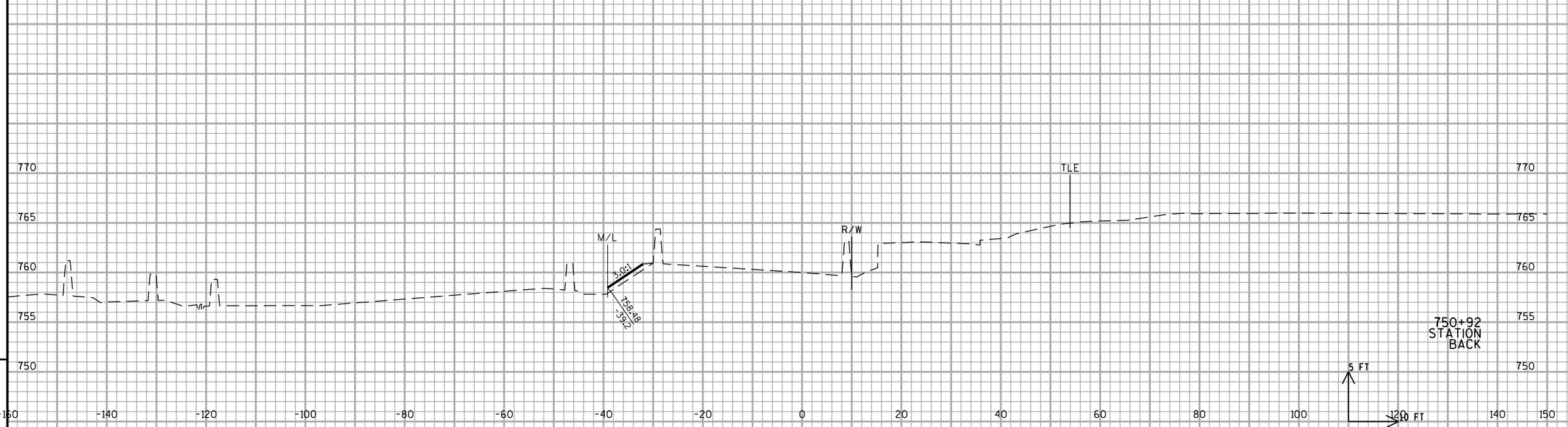


STA 749+50 TO 750+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090414_xs_wj.dgn PLOT DATE : 28-APR-2015 03:39 PLOT BY : MSCDYB PLOT NAME : 090414_xs_wj3 PLOT SCALE : 20:1

ALL WORK STAGE 4



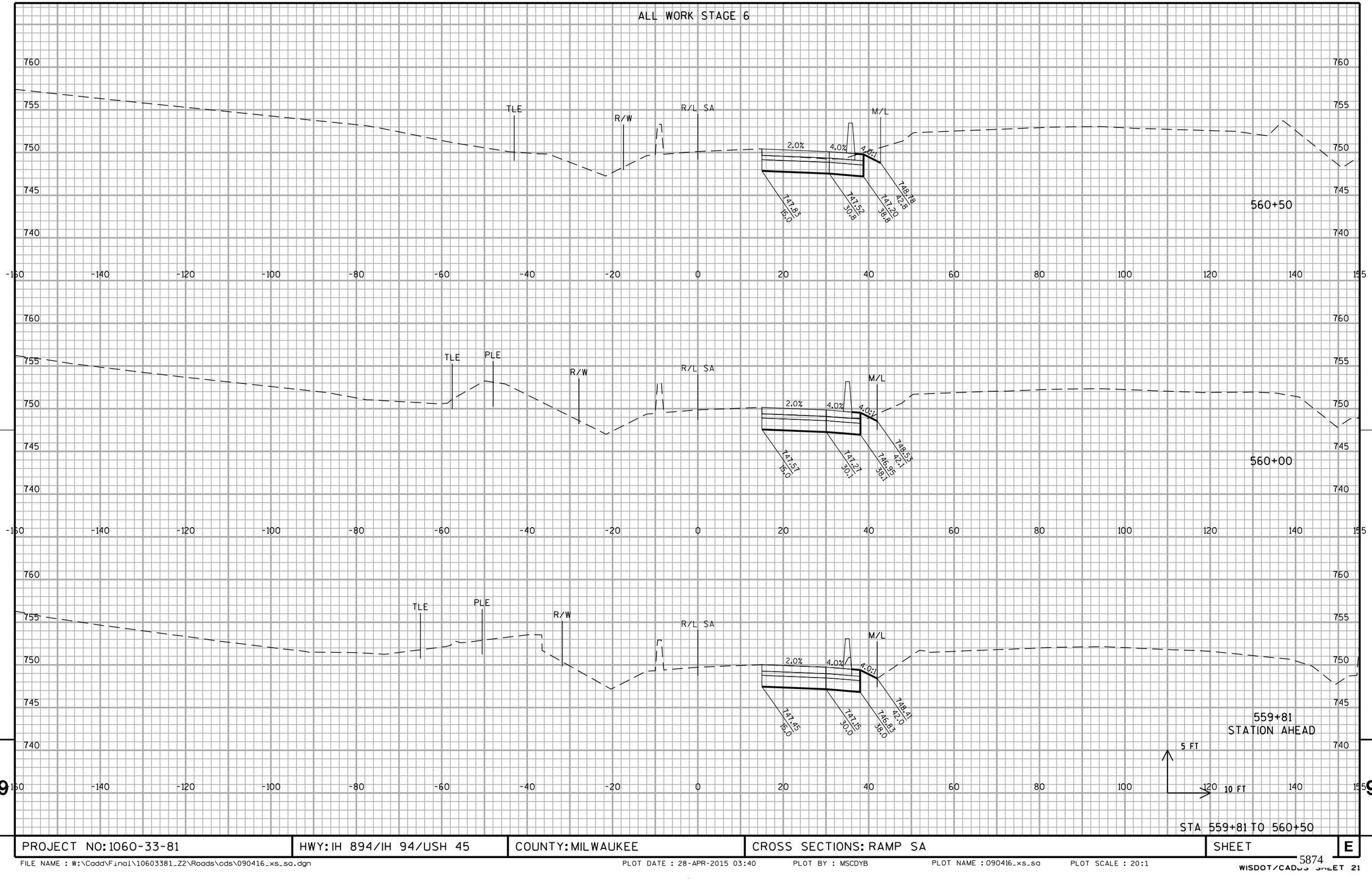
STA 750+92 TO 750+92

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090414_xs_wj.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090414_xs_wj4 PLOT SCALE : 20:1

ALL WORK STAGE 6



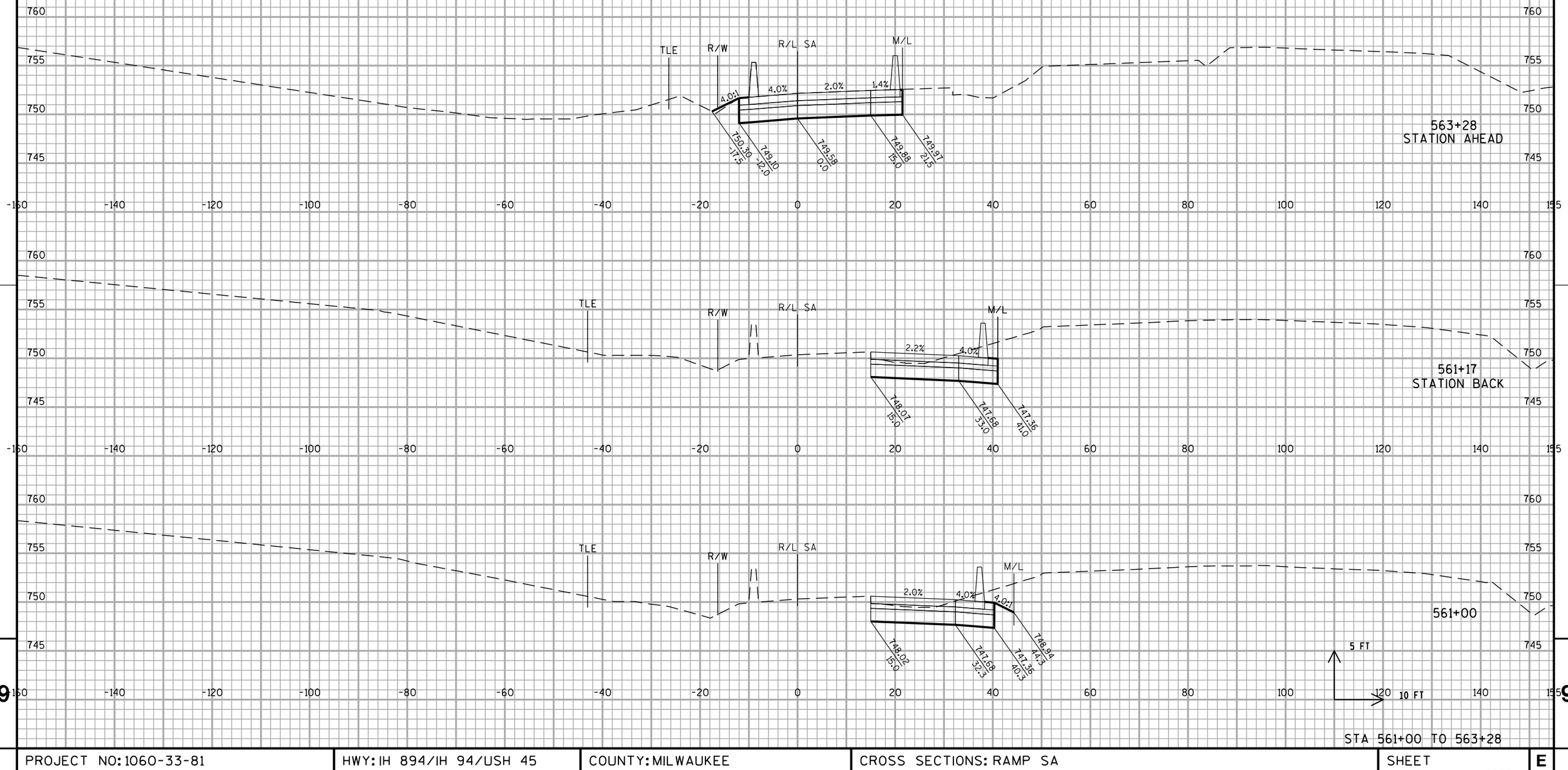
STA 559+81 TO 560+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 561+00 TO 563+28

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

9 9

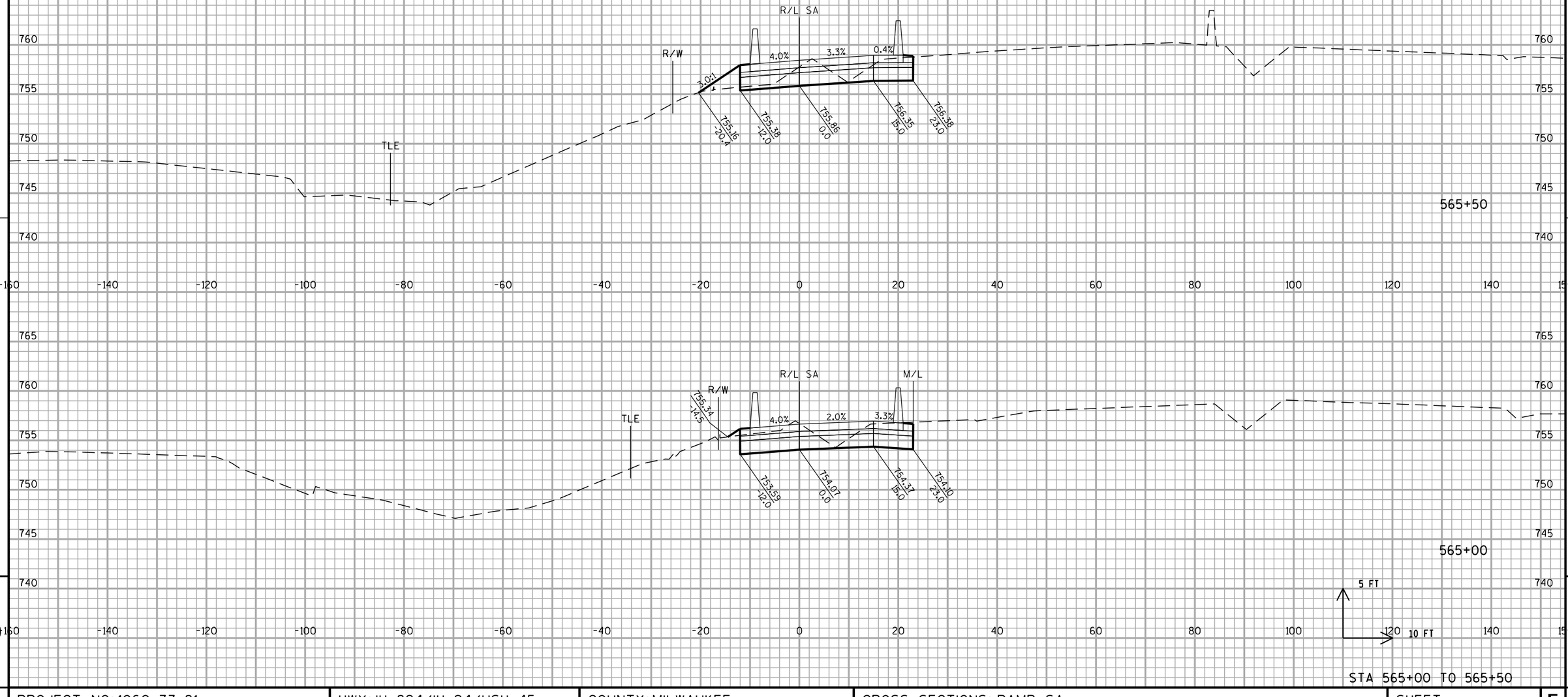
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WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa2 PLOT SCALE : 20:1

ALL WORK STAGE 6



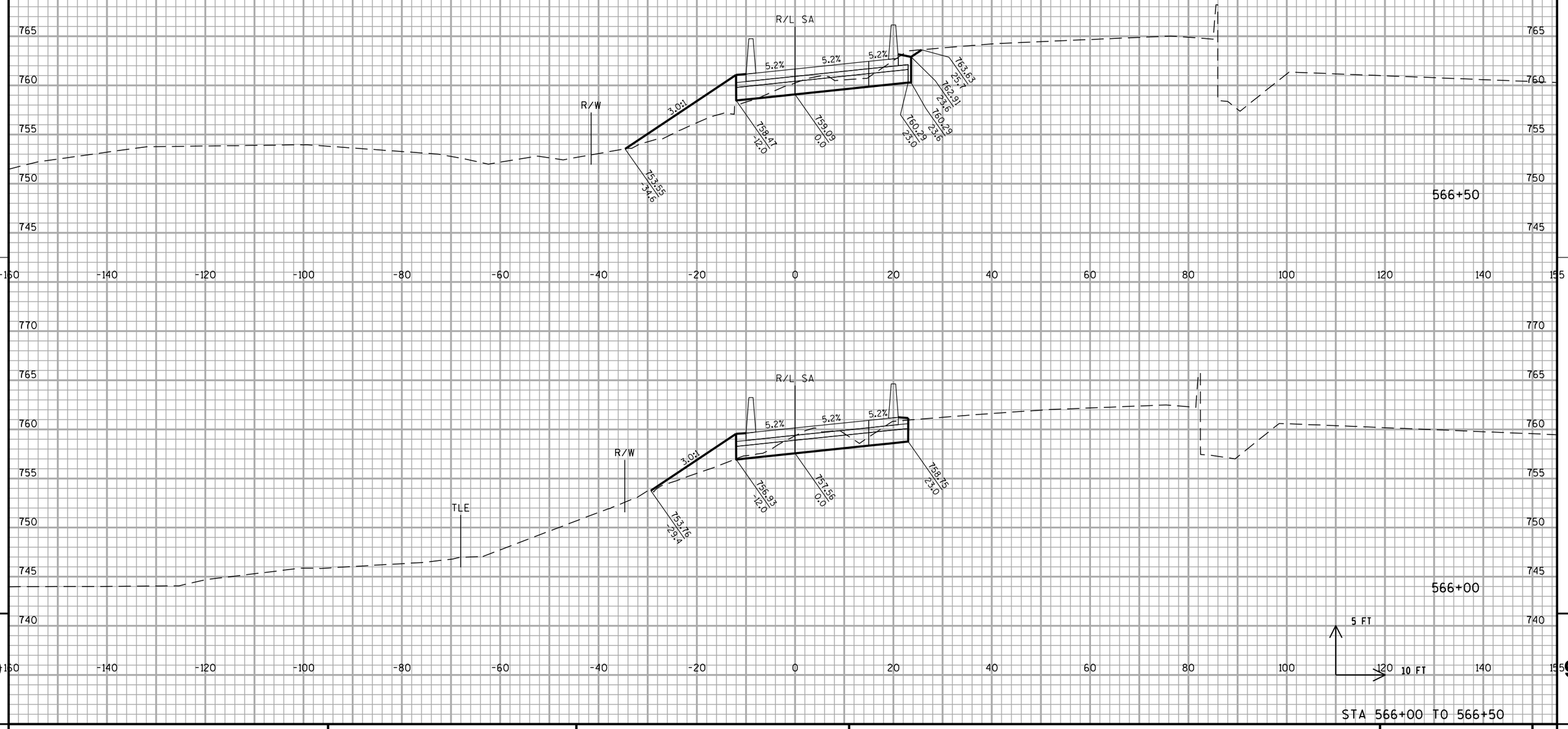
STA 565+00 TO 565+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

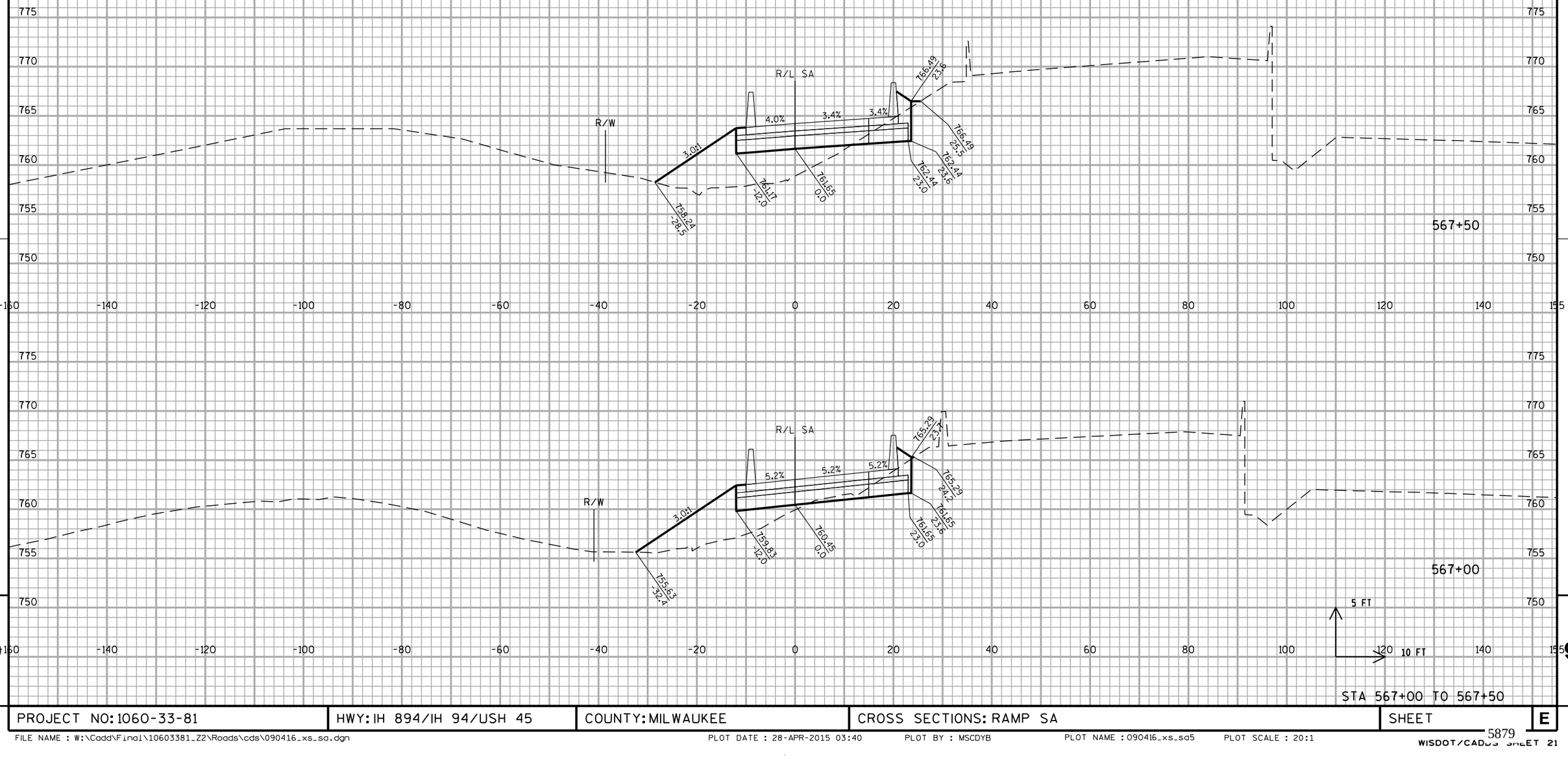
ALL WORK STAGE 6



STA 566+00 TO 566+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

ALL WORK STAGE 6



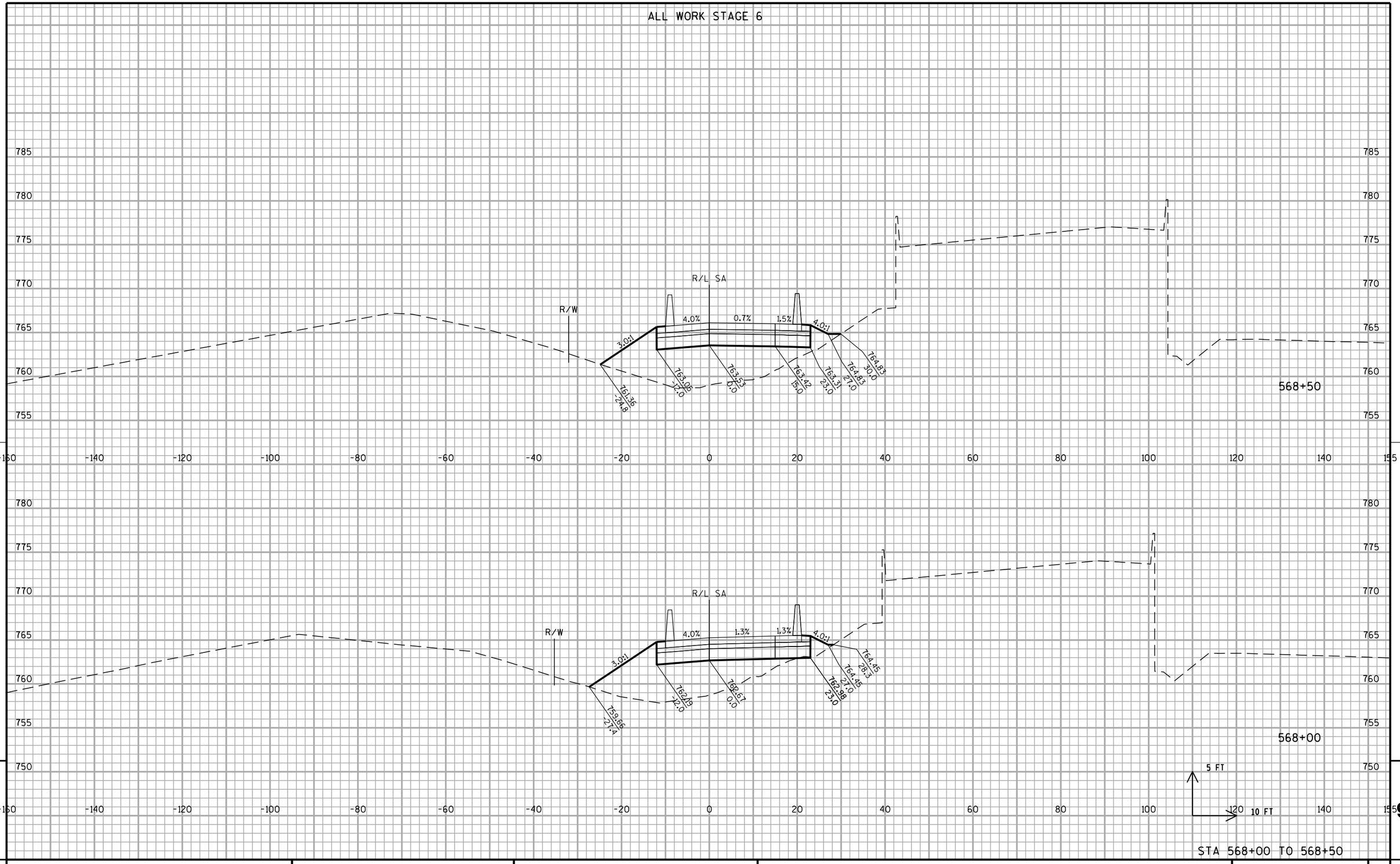
STA 567+00 TO 567+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

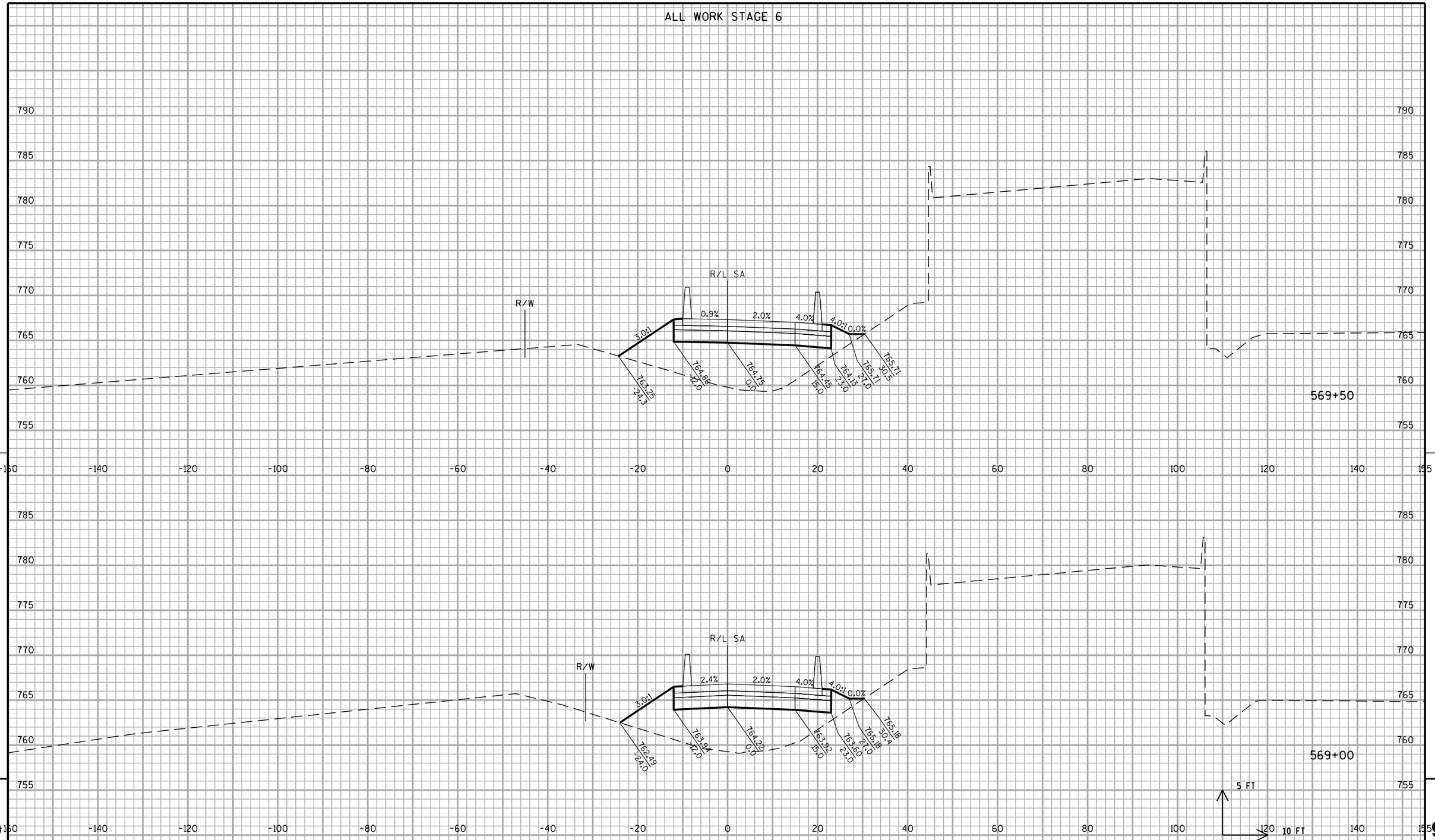
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa6 PLOT SCALE : 20:1

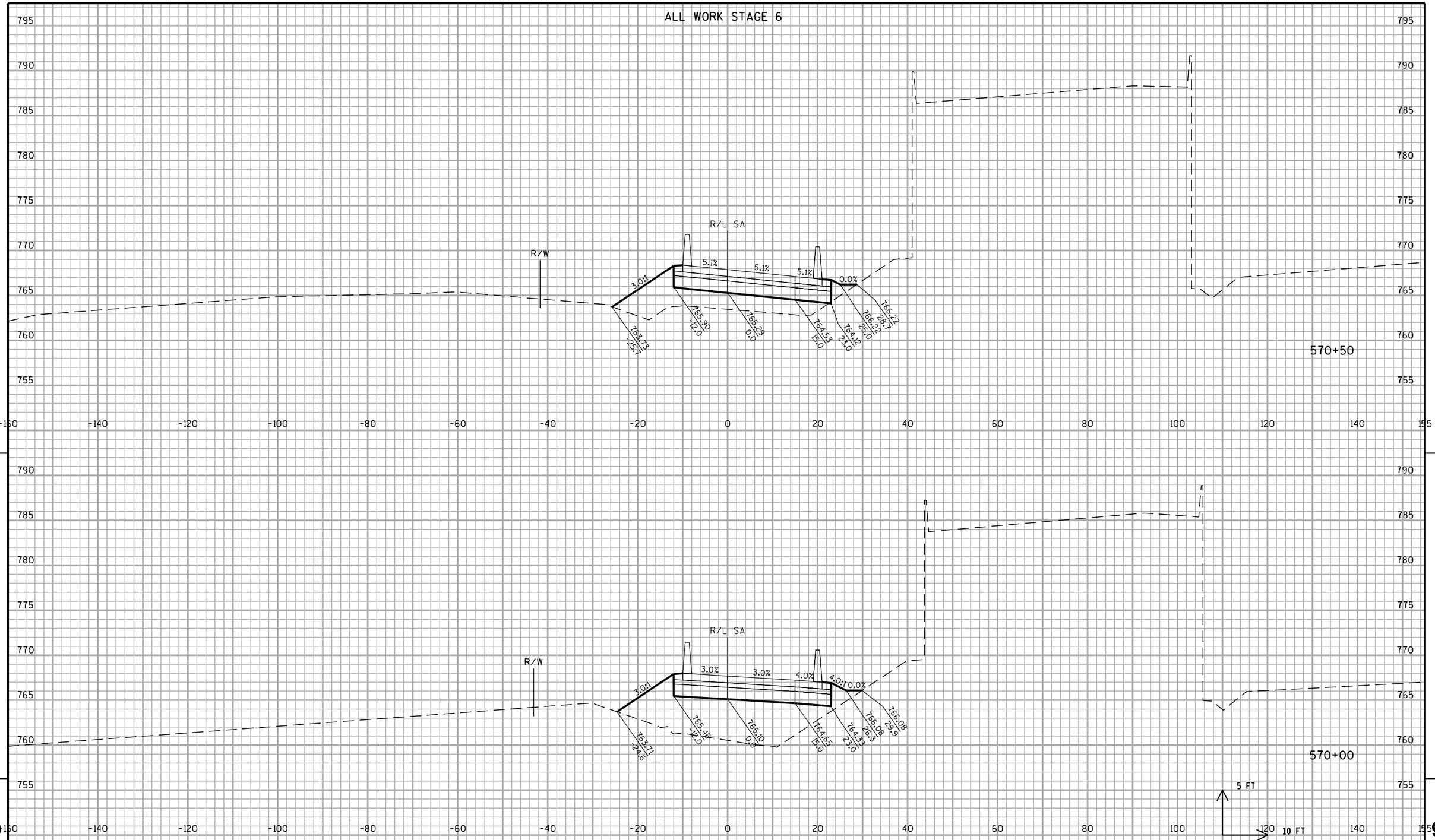
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa7 PLOT SCALE : 20:1

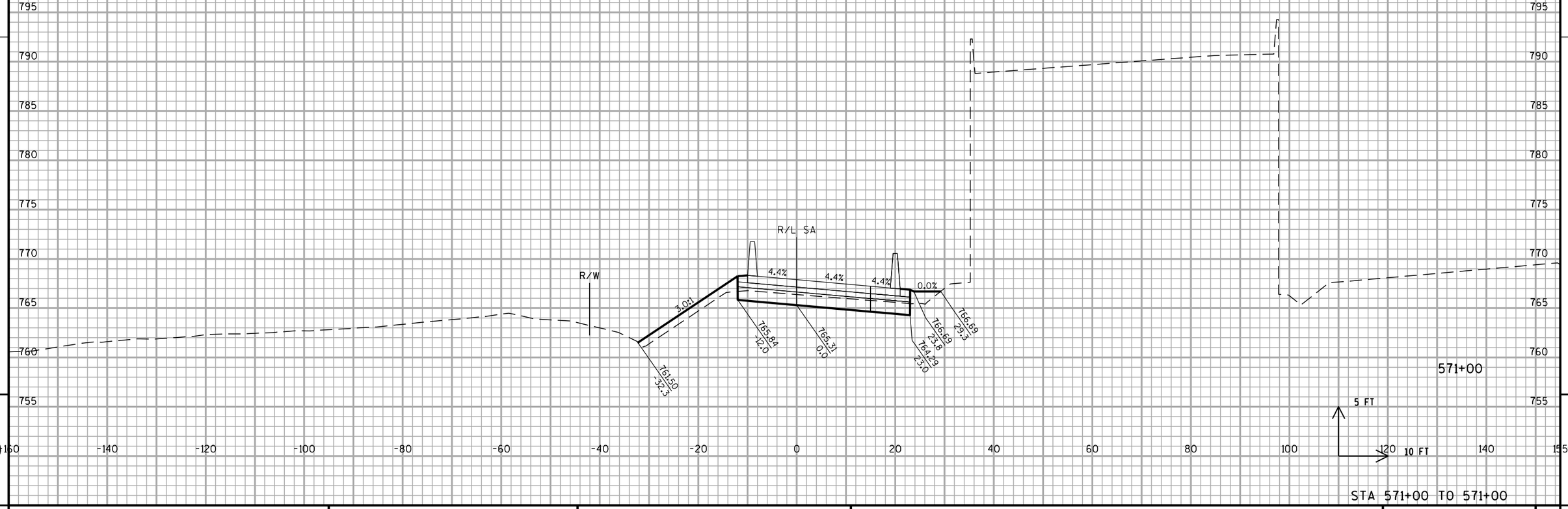
ALL WORK STAGE 6



STA 570+00 TO 570+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

ALL WORK STAGE 6



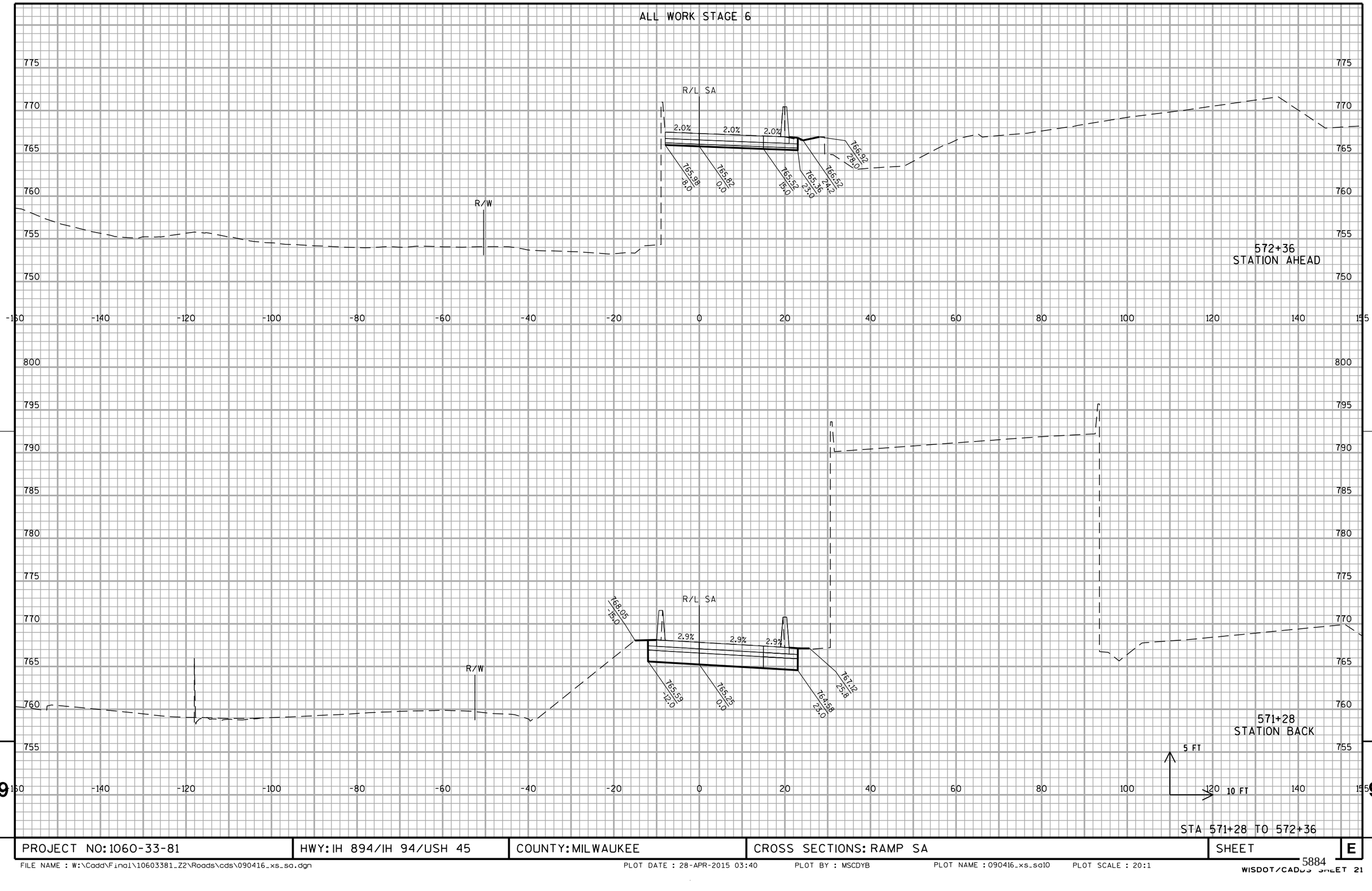
STA 571+00 TO 571+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

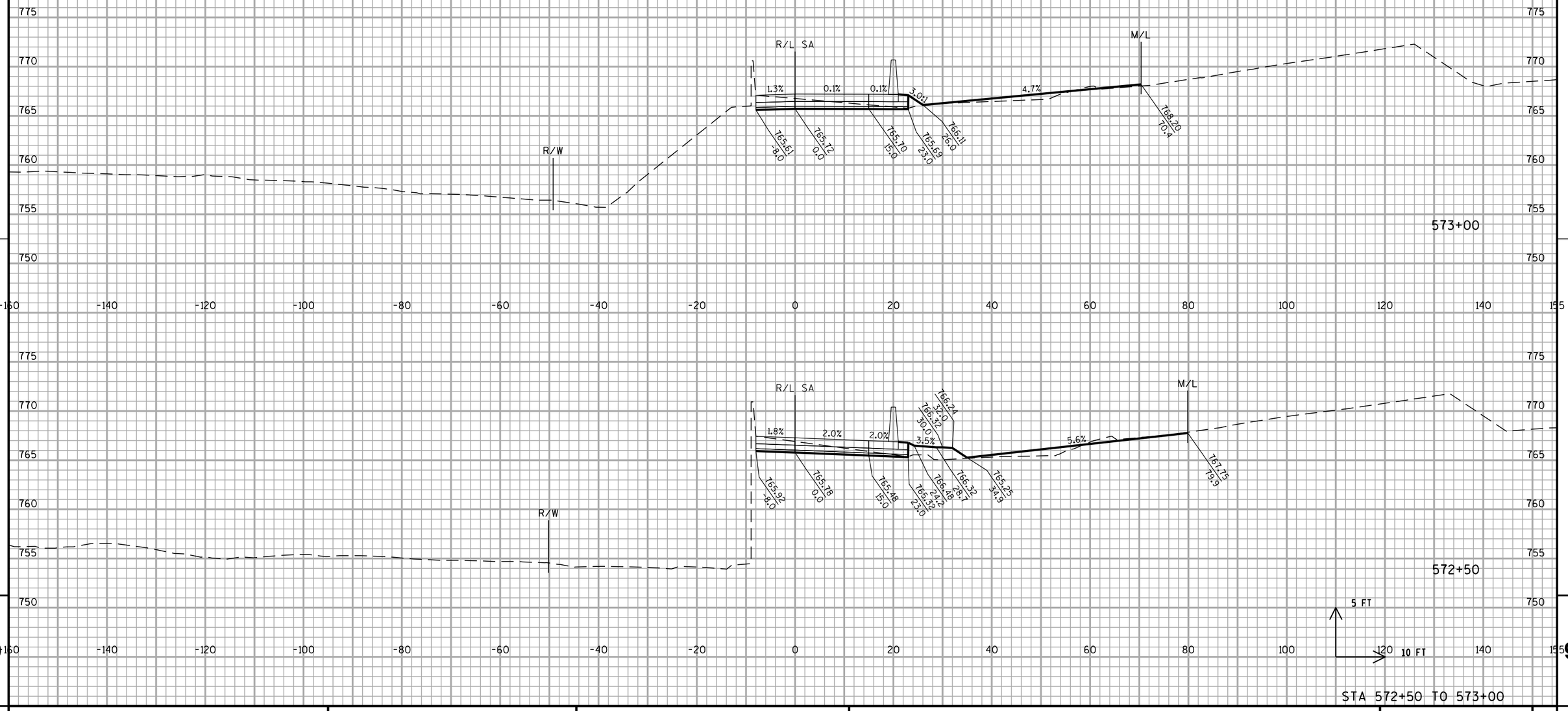
ALL WORK STAGE 6



STA 571+28 TO 572+36

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

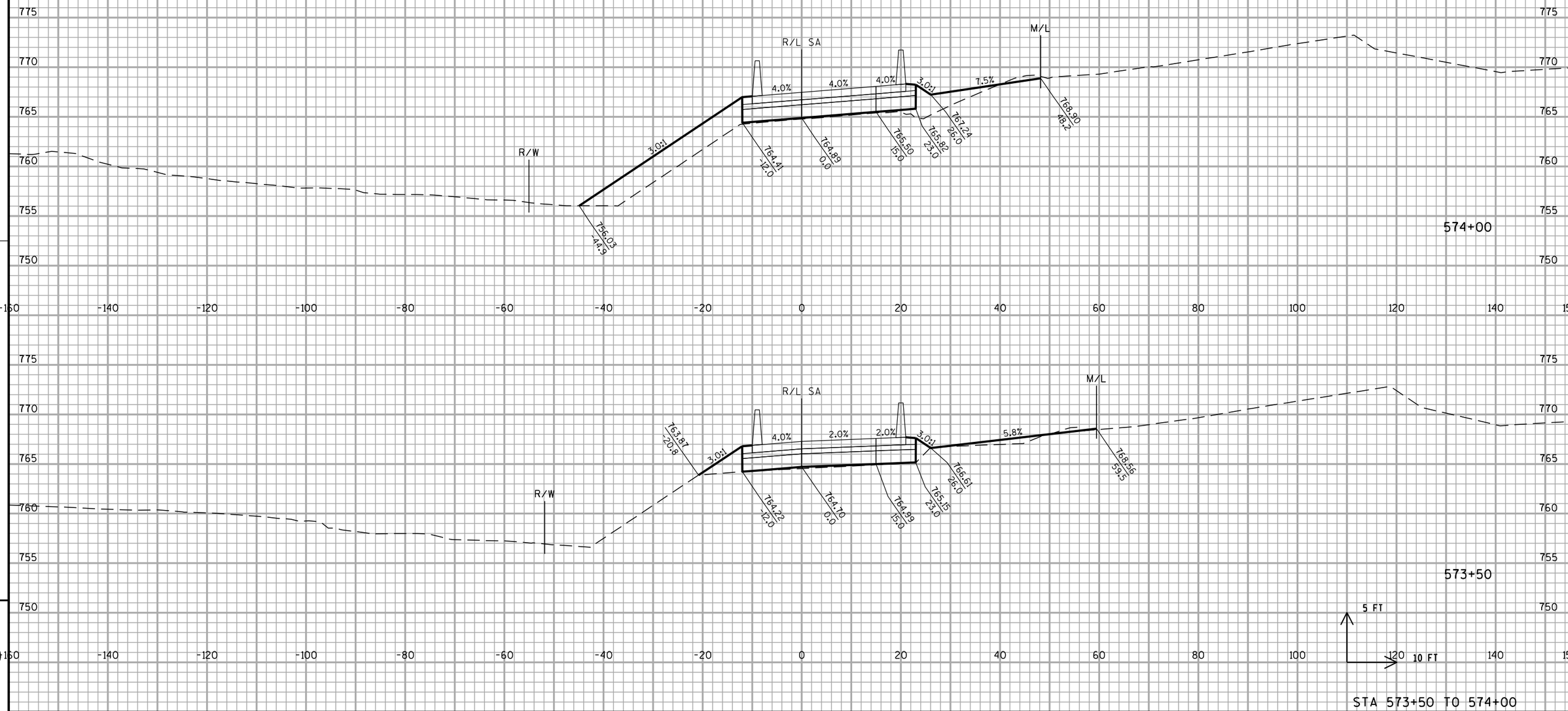
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa11 PLOT SCALE : 20:1

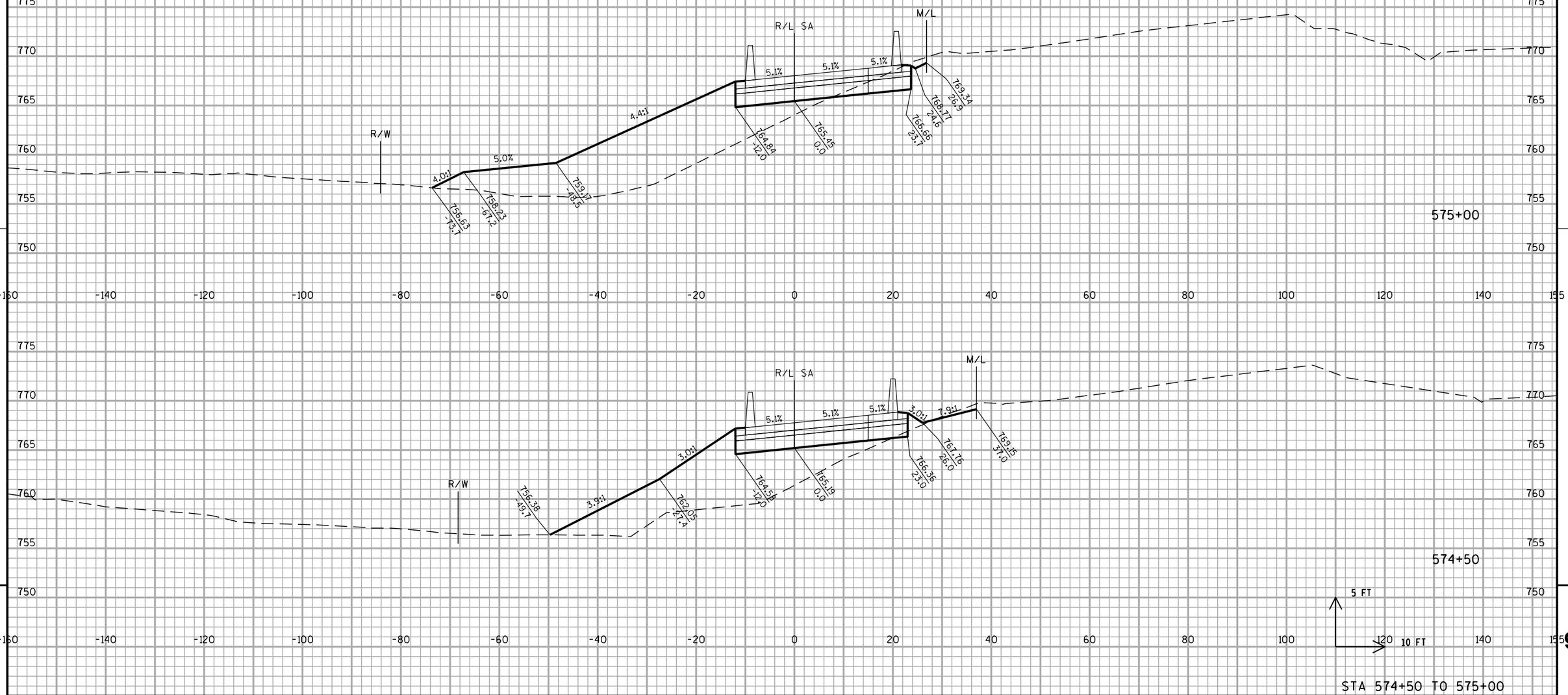
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa12 PLOT SCALE : 20:1

ALL WORK STAGE 6

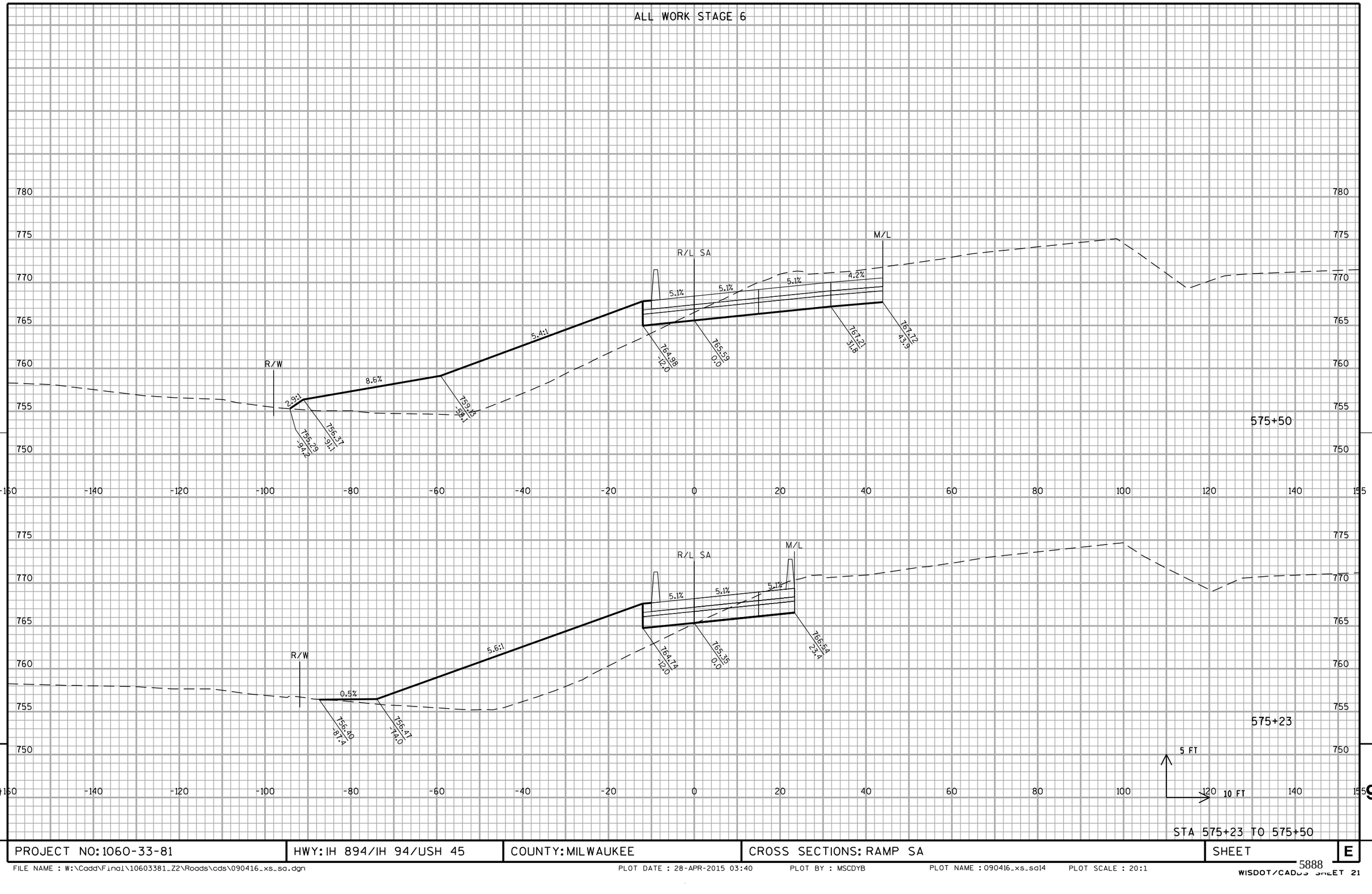


STA 574+50 TO 575+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa13 PLOT SCALE : 20:1

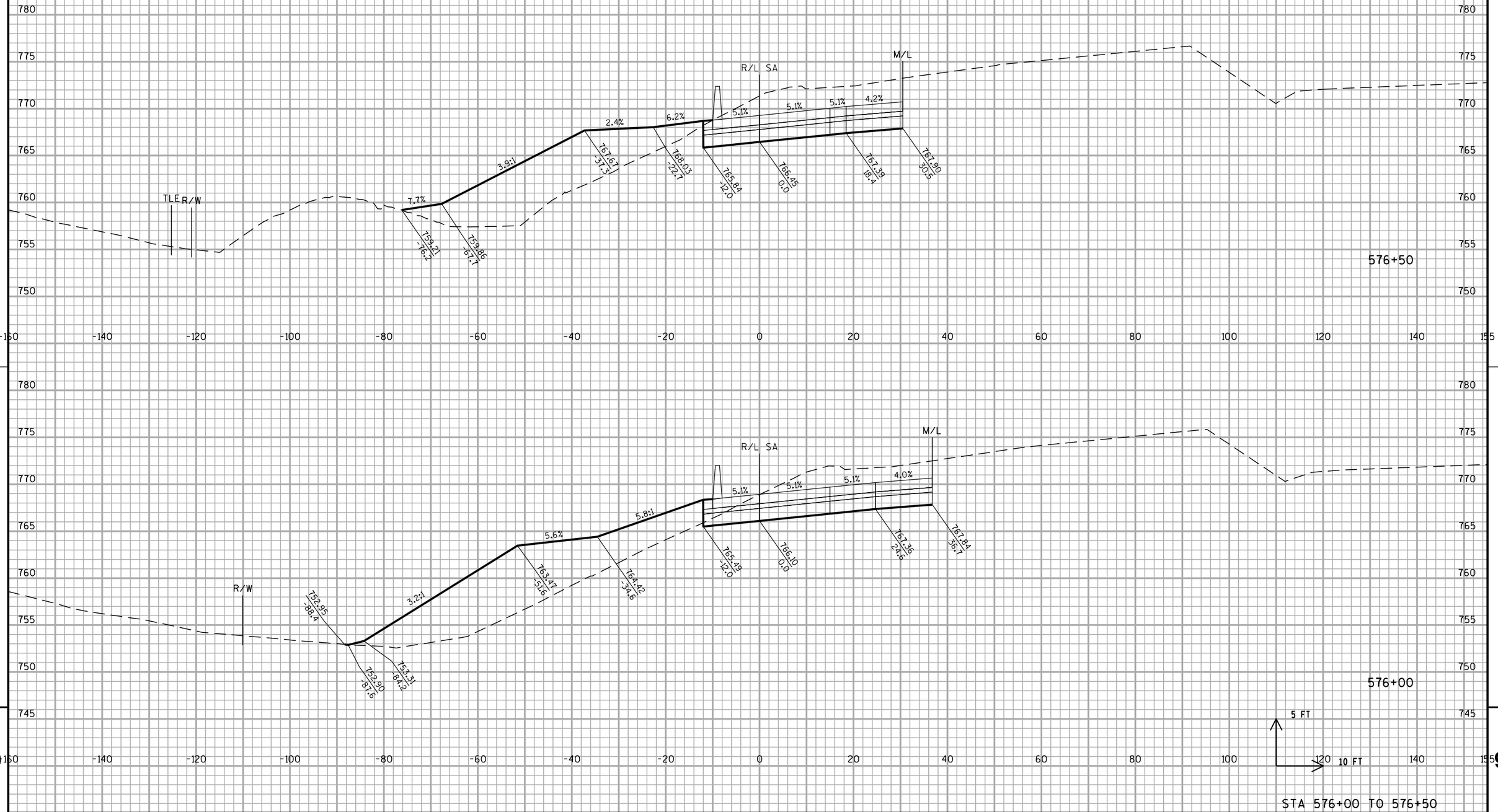
ALL WORK STAGE 6



STA 575+23 TO 575+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

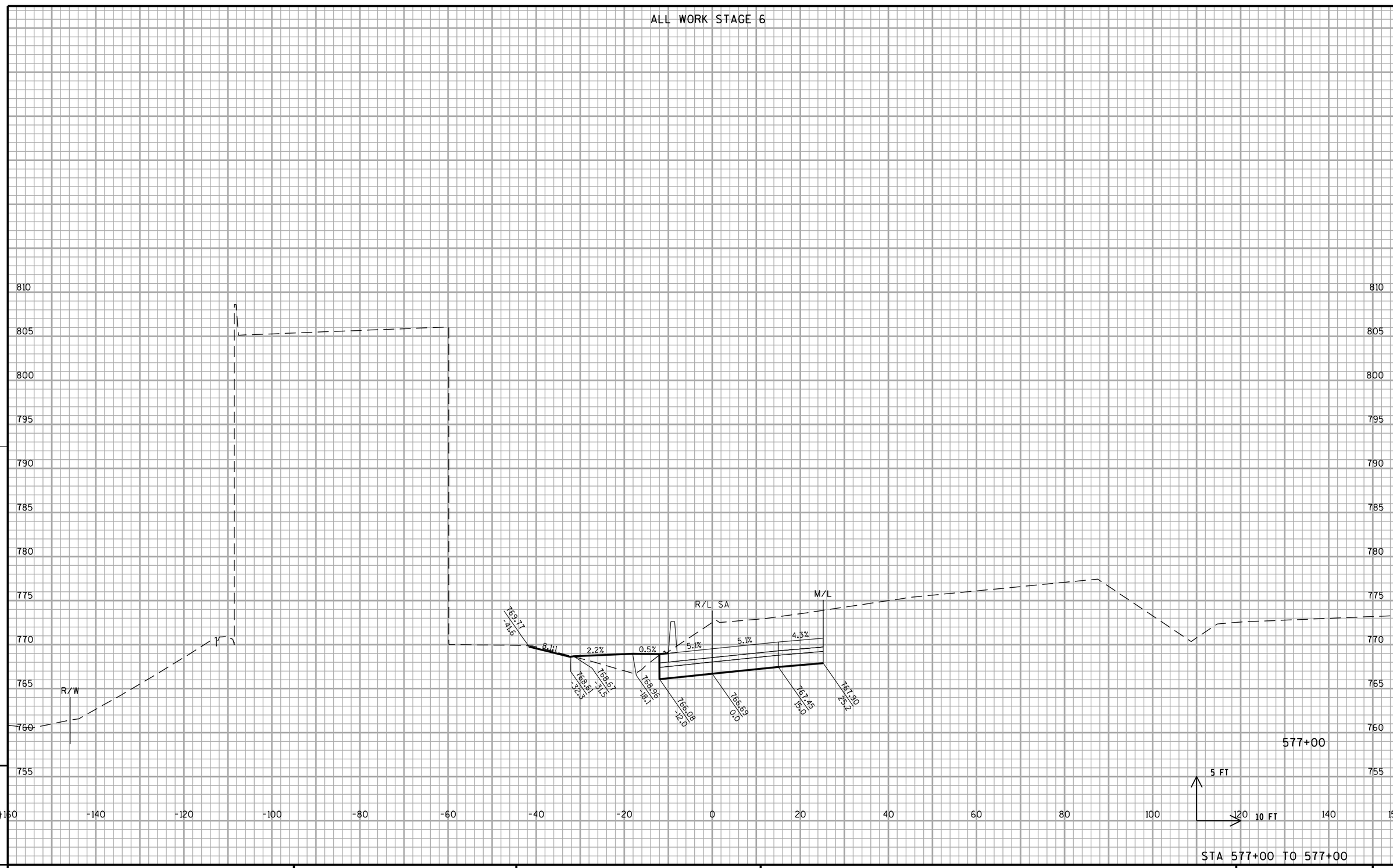
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa15 PLOT SCALE : 20:1

ALL WORK STAGE 6



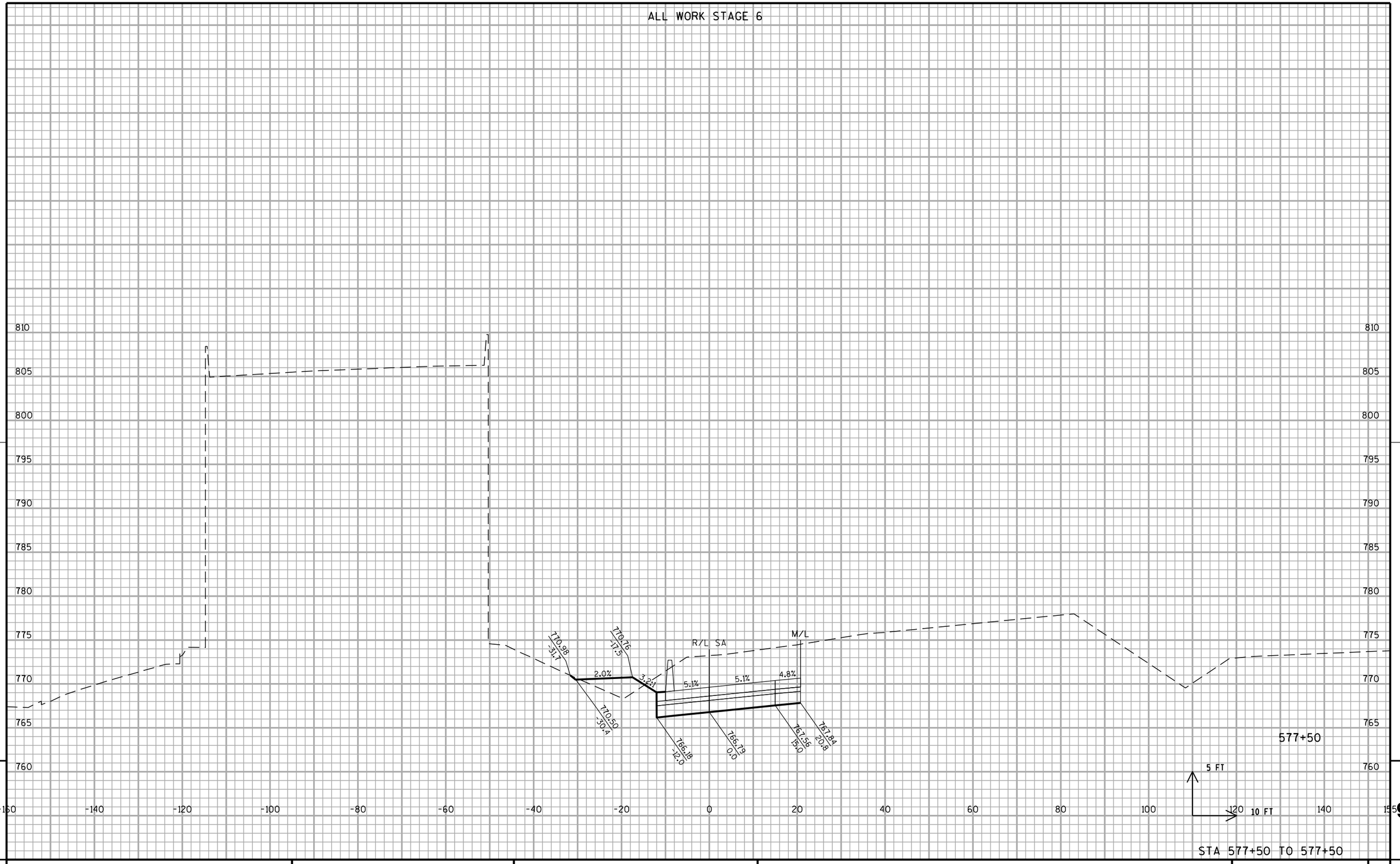
STA 577+00 TO 577+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 577+50 TO 577+50

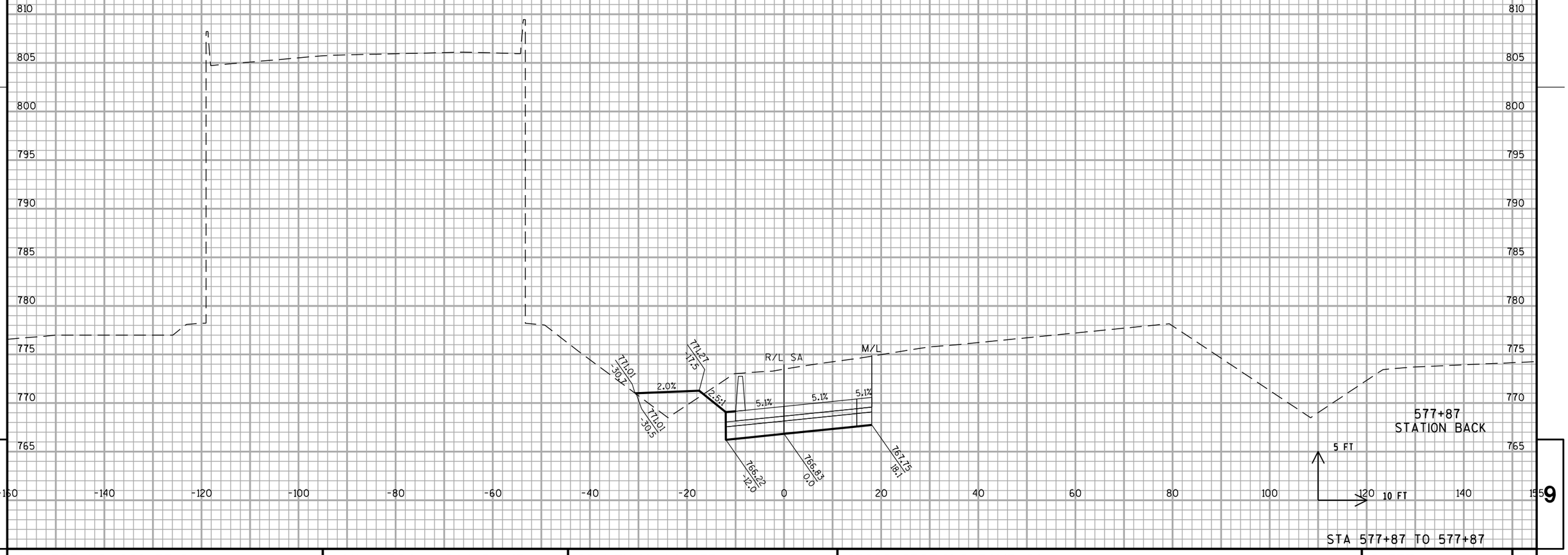
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090416_xs_sa.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090416_xs_sa17 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

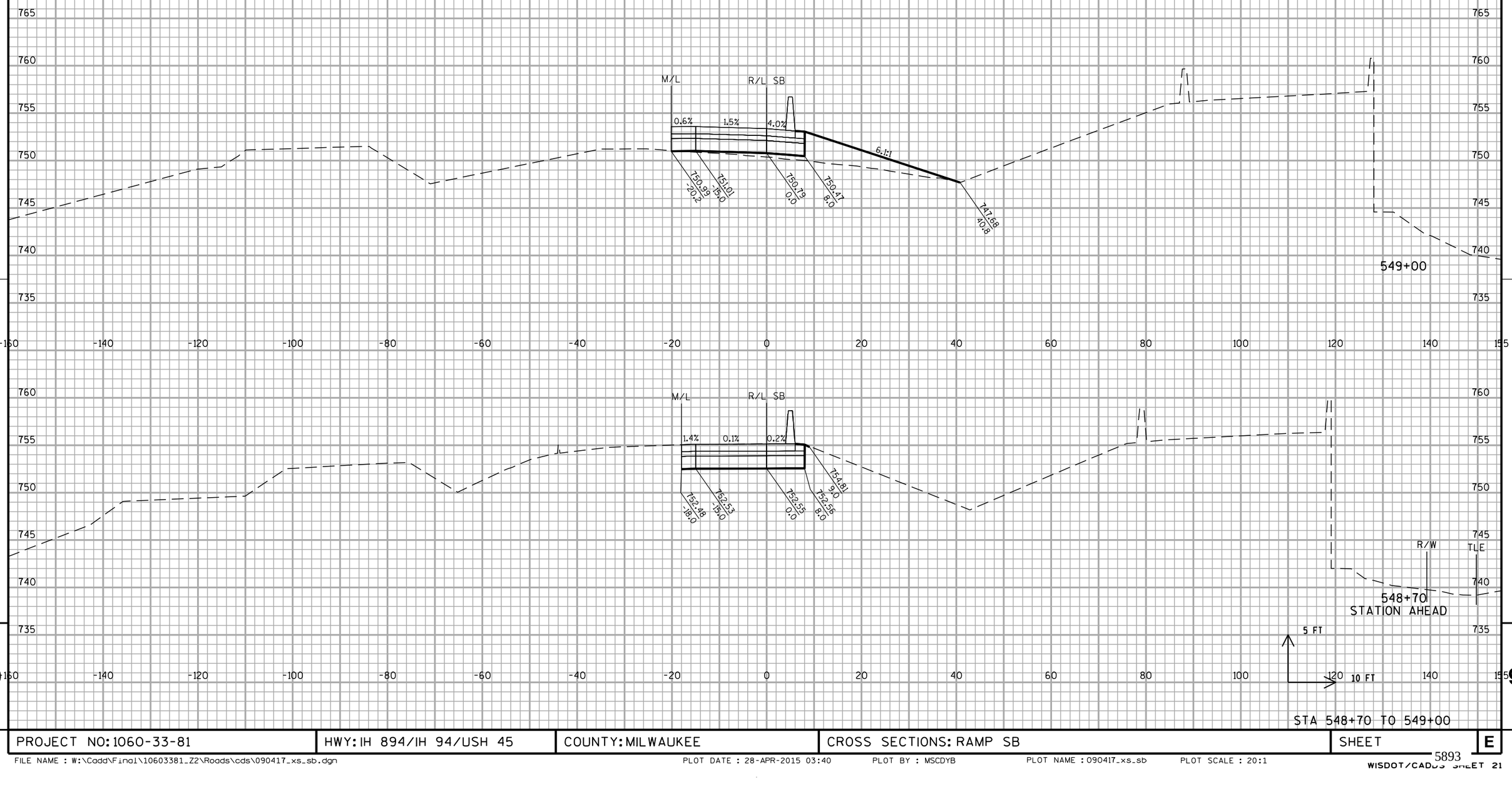
ALL WORK STAGE 6



STA 577+87 TO 577+87

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SA	SHEET	E

ALL WORK STAGE 2

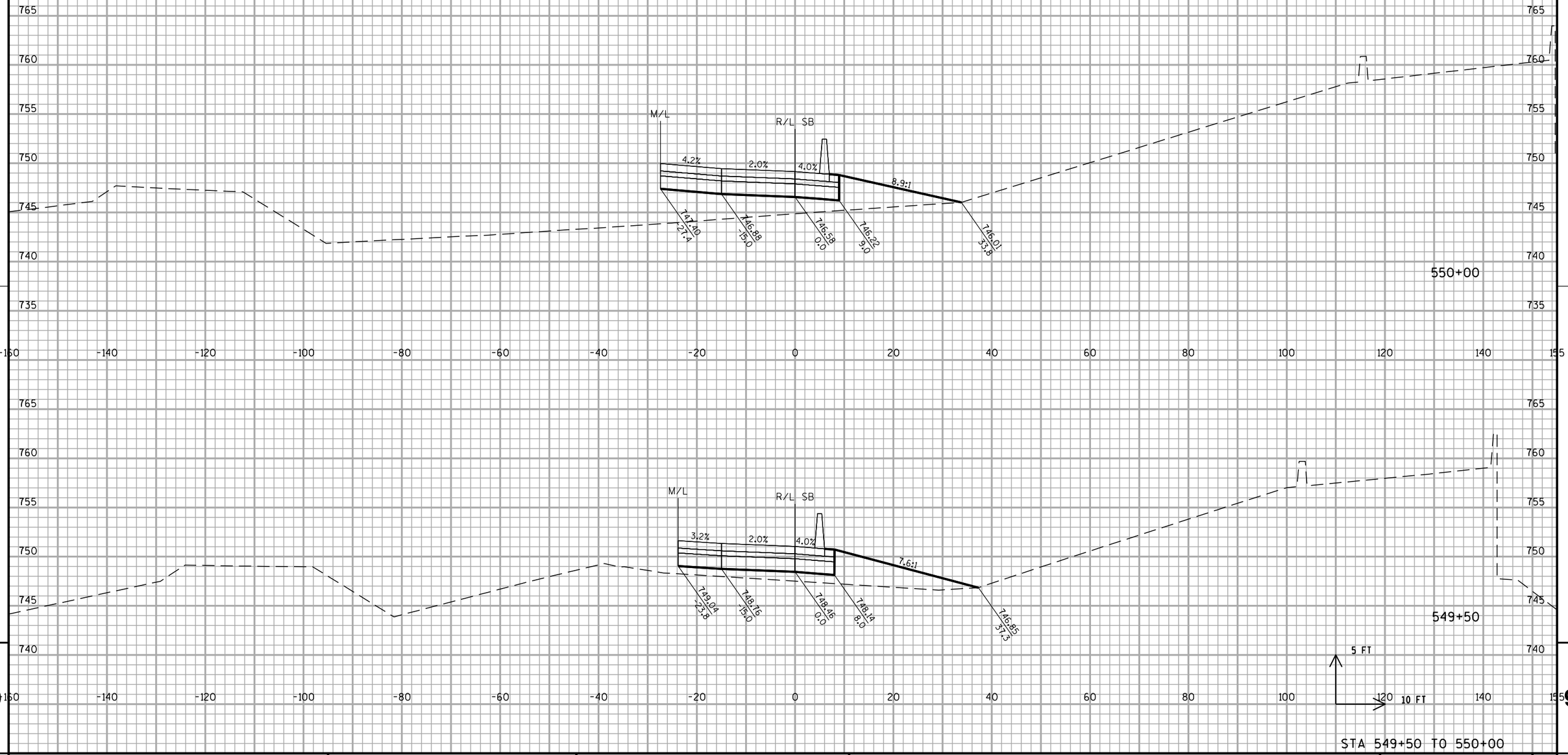


STA 548+70 TO 549+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

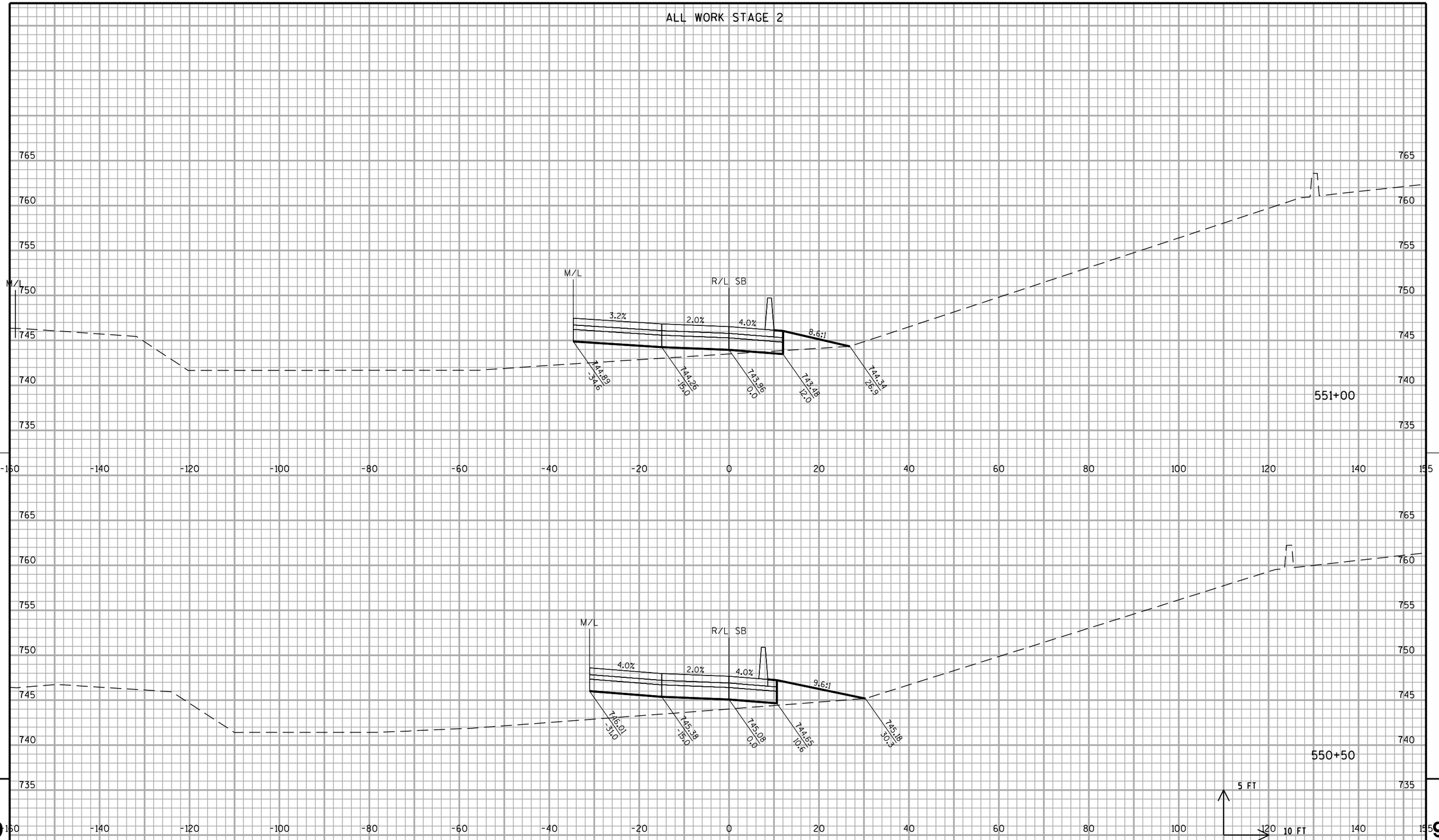


STA 549+50 TO 550+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb1 PLOT SCALE : 20:1

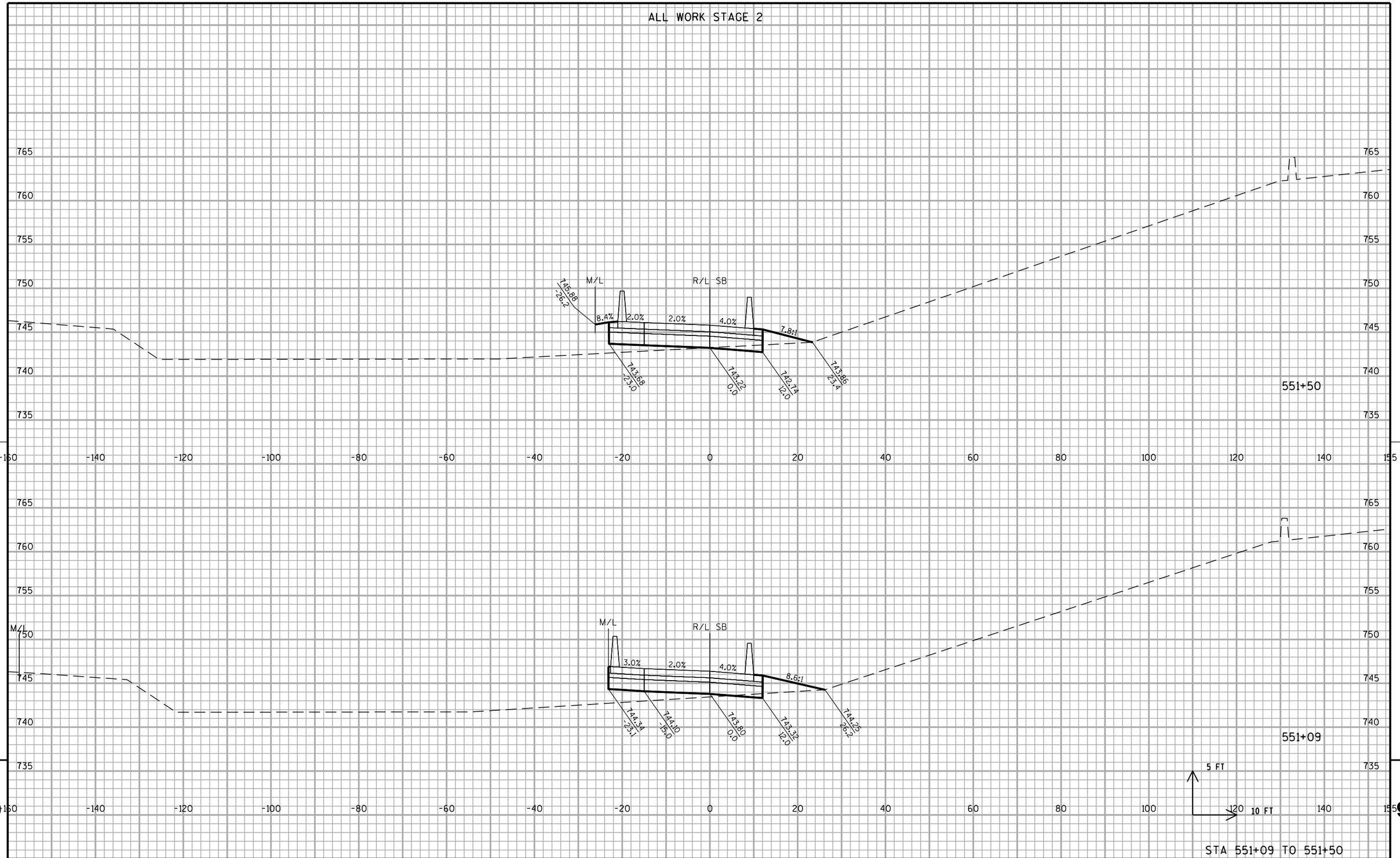
ALL WORK STAGE 2



STA 550+50 TO 551+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

ALL WORK STAGE 2



9

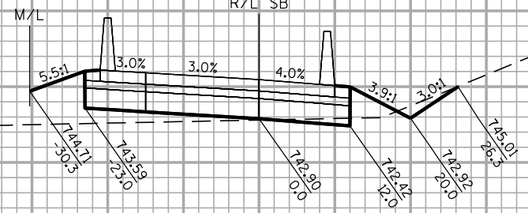
9

STA 551+09 TO 551+50

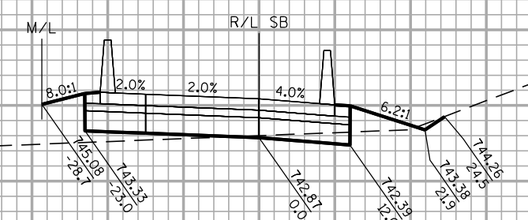
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb3 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



552+50



552+00

5 FT
10 FT

STA 552+00 TO 552+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

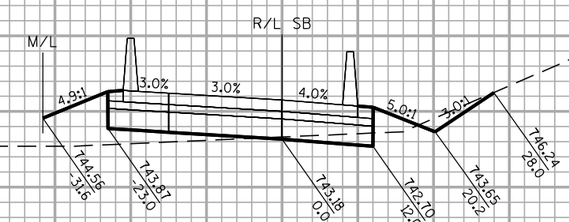
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



553+50



553+00

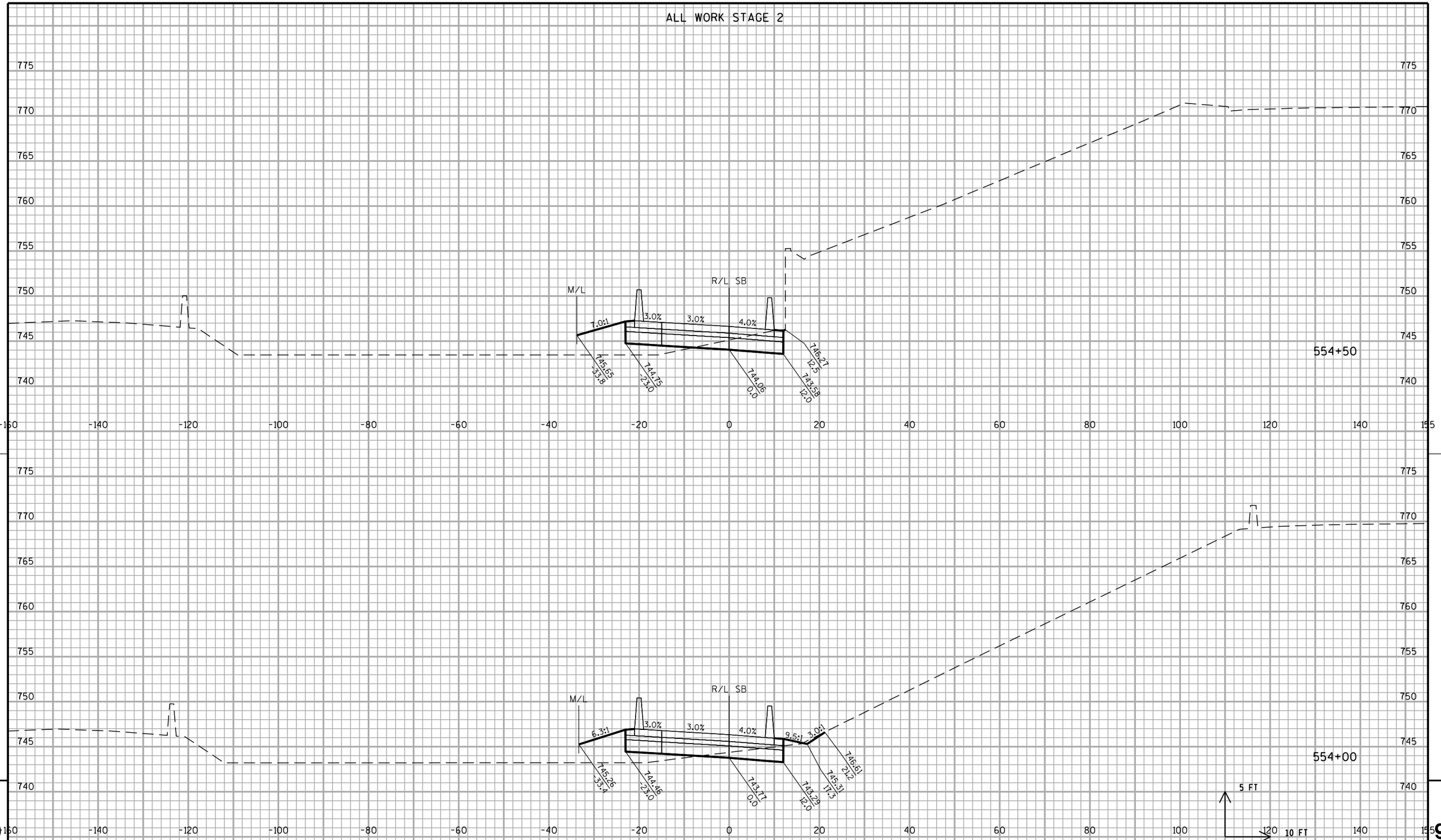
5 FT
10 FT

STA 553+00 TO 553+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb5 PLOT SCALE : 20:1

ALL WORK STAGE 2

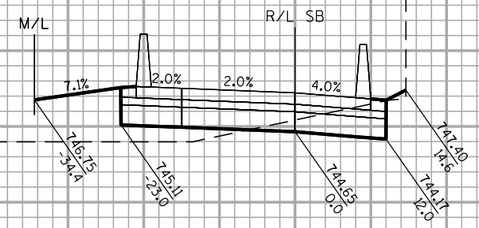


STA 554+00 TO 554+50

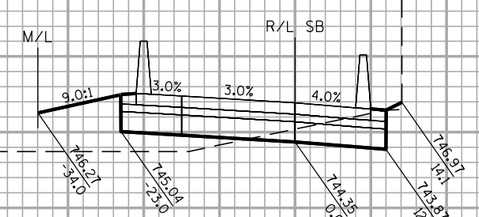
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb6 PLOT SCALE : 20:1

ALL WORK STAGE 2



555+50



555+00

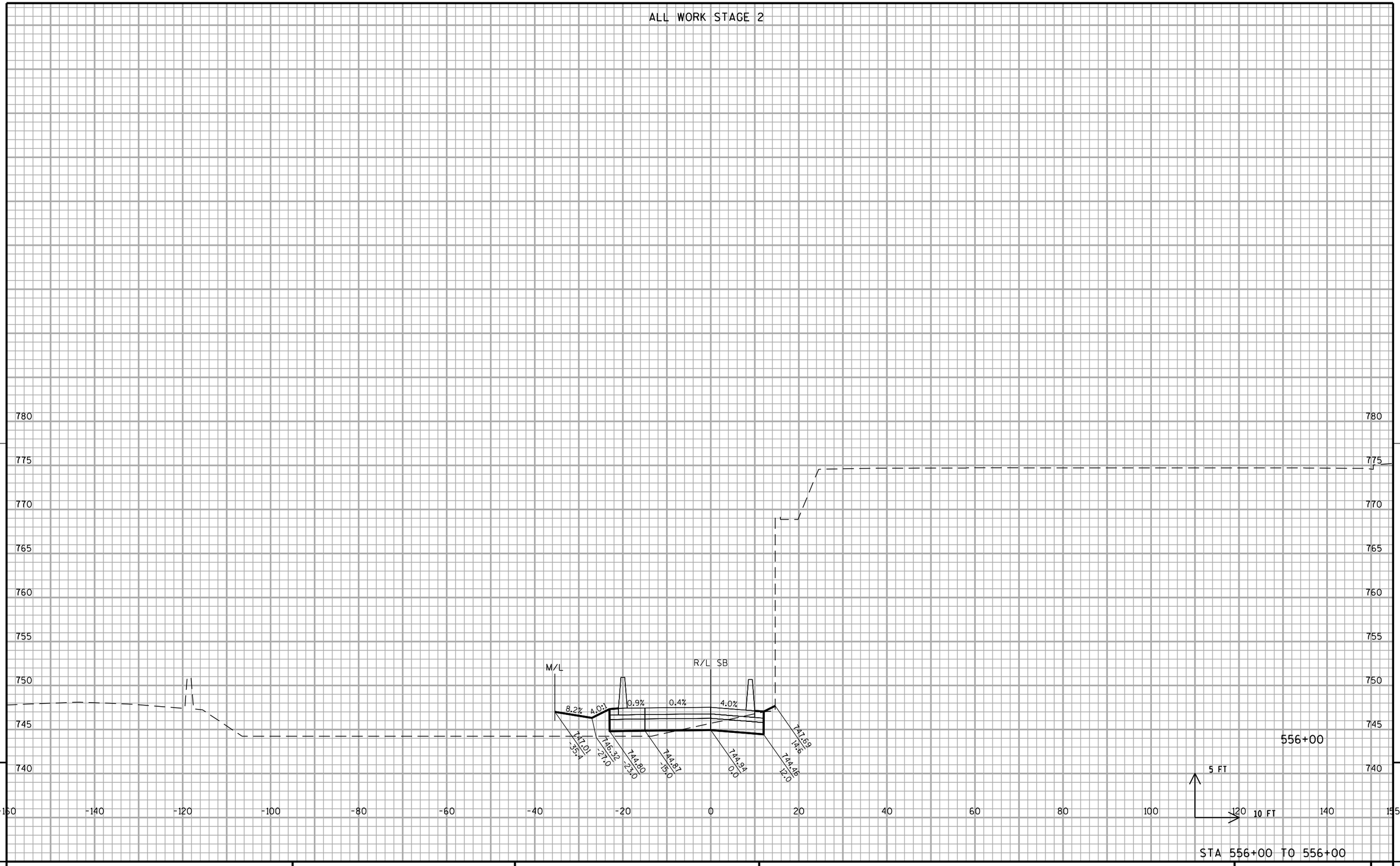
5 FT
10 FT

STA 555+00 TO 555+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb7 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

9

STA 556+00 TO 556+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

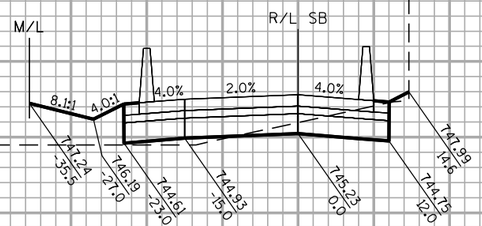
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

780 775 770 765 760 755 750 745 740

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155



556+50

5 FT
10 FT

STA 556+50 TO 556+50

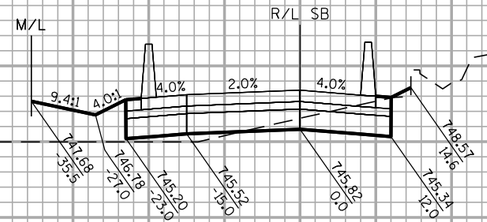
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

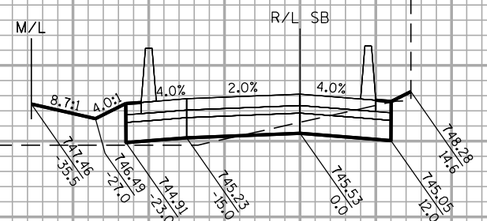
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



557+50



557+00

5 FT
10 FT

STA 557+00 TO 557+50

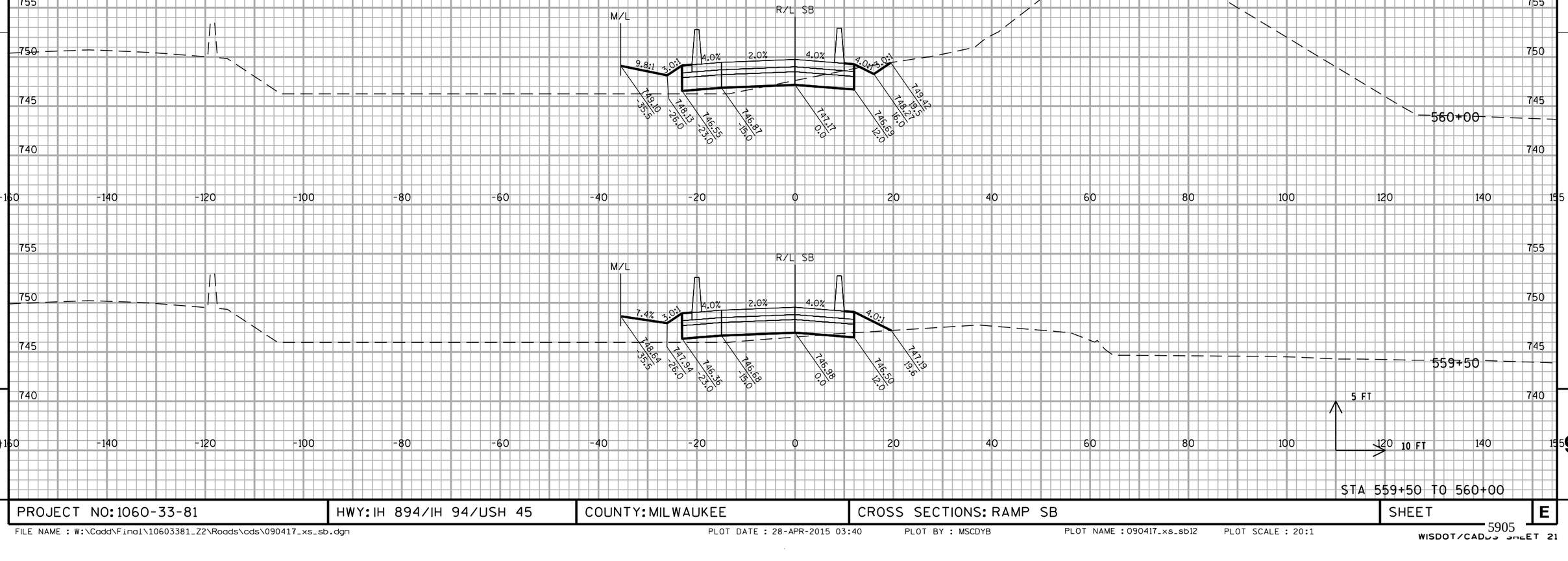
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

ALL WORK STAGE 2

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

9 9

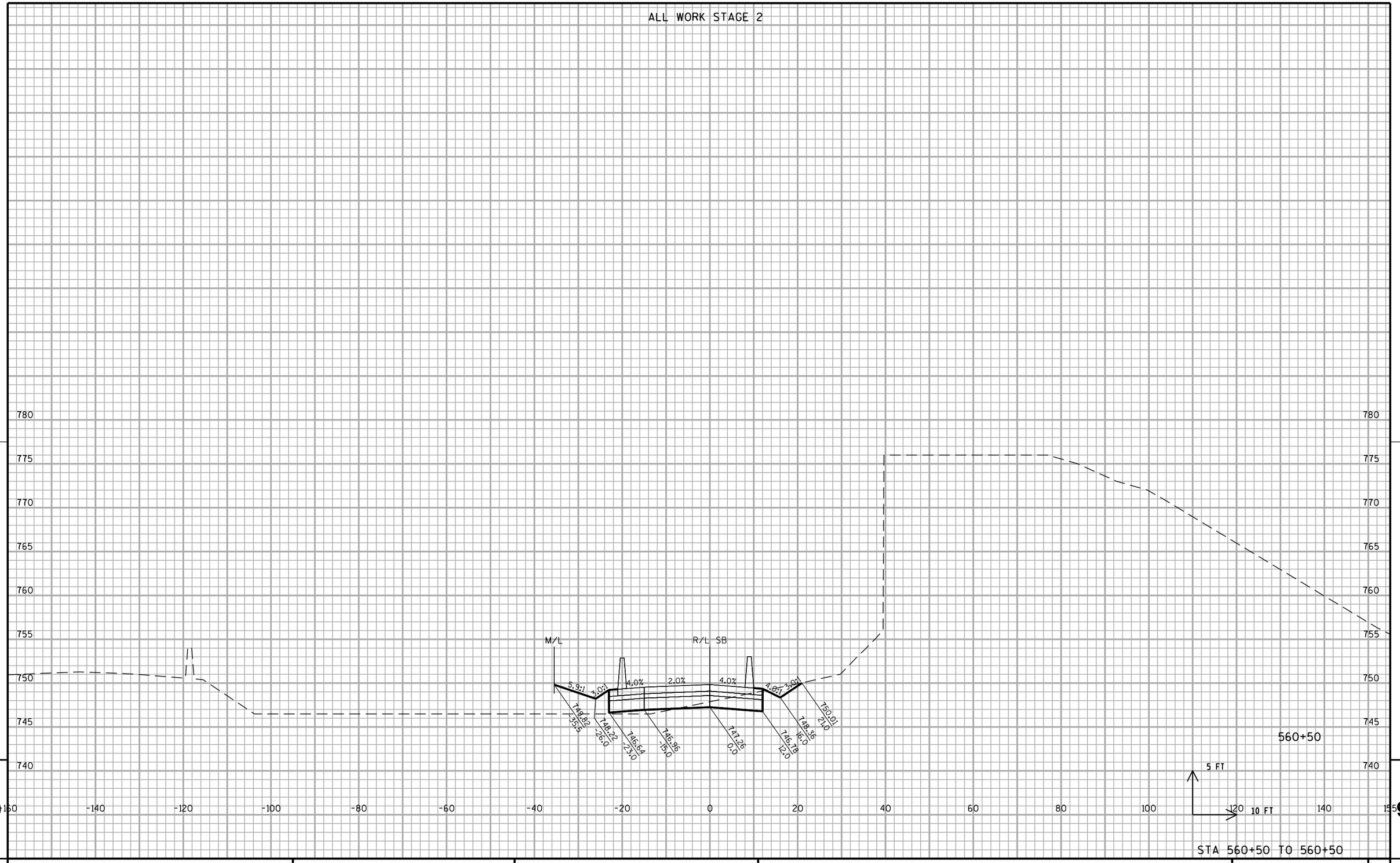
ALL WORK STAGE 2



STA 559+50 TO 560+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

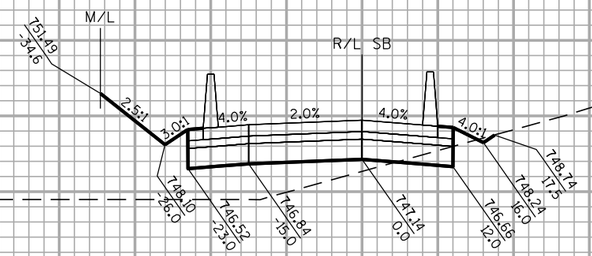
ALL WORK STAGE 2



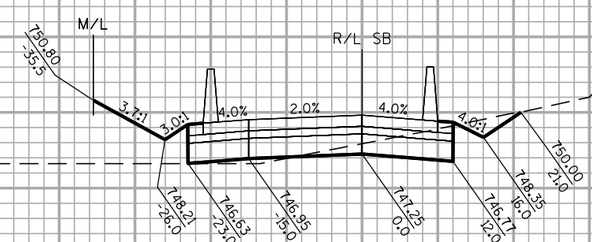
STA 560+50 TO 560+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

ALL WORK STAGE 2



561+50



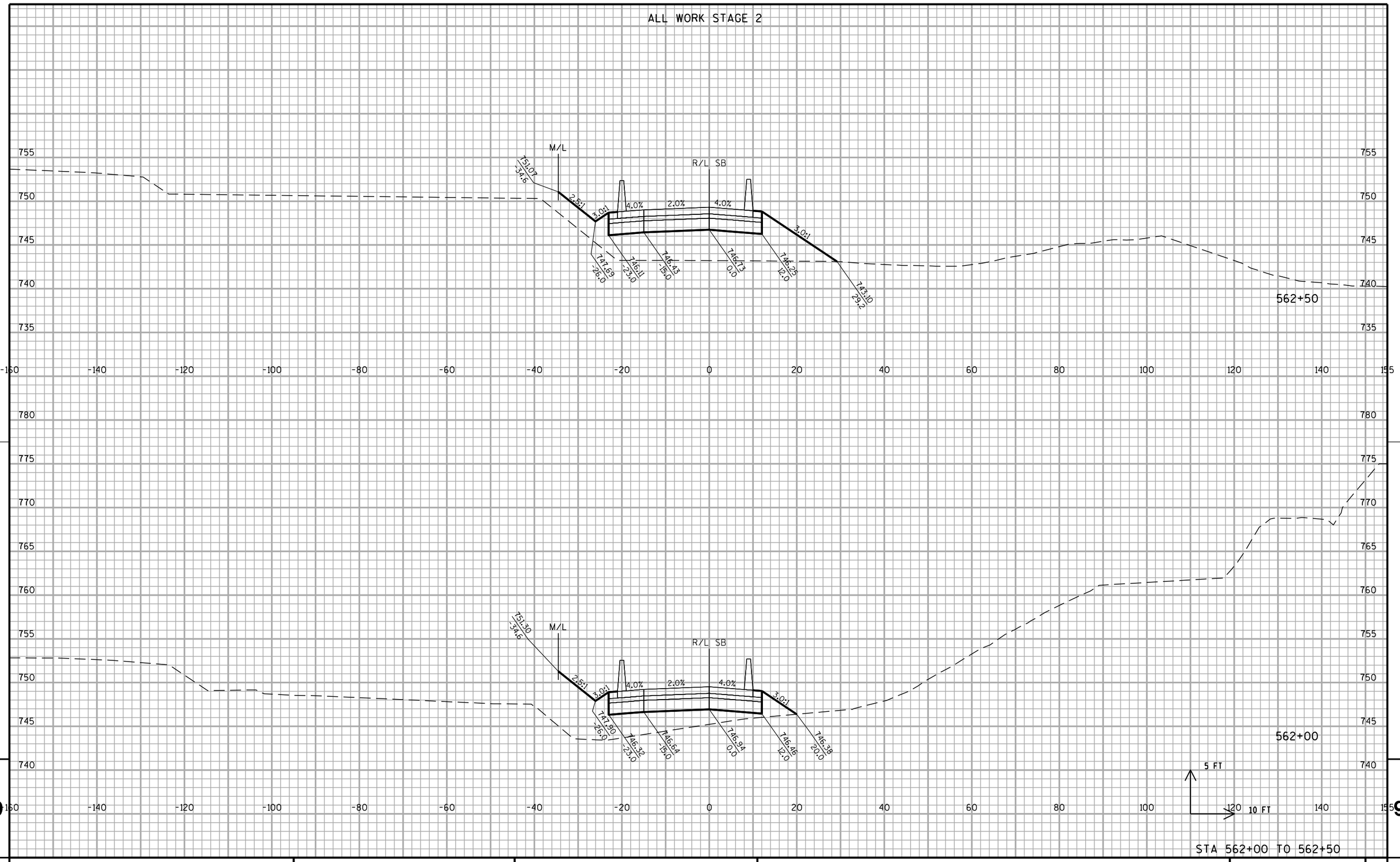
561+00

5 FT
10 FT

STA 561+00 TO 561+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

ALL WORK STAGE 2



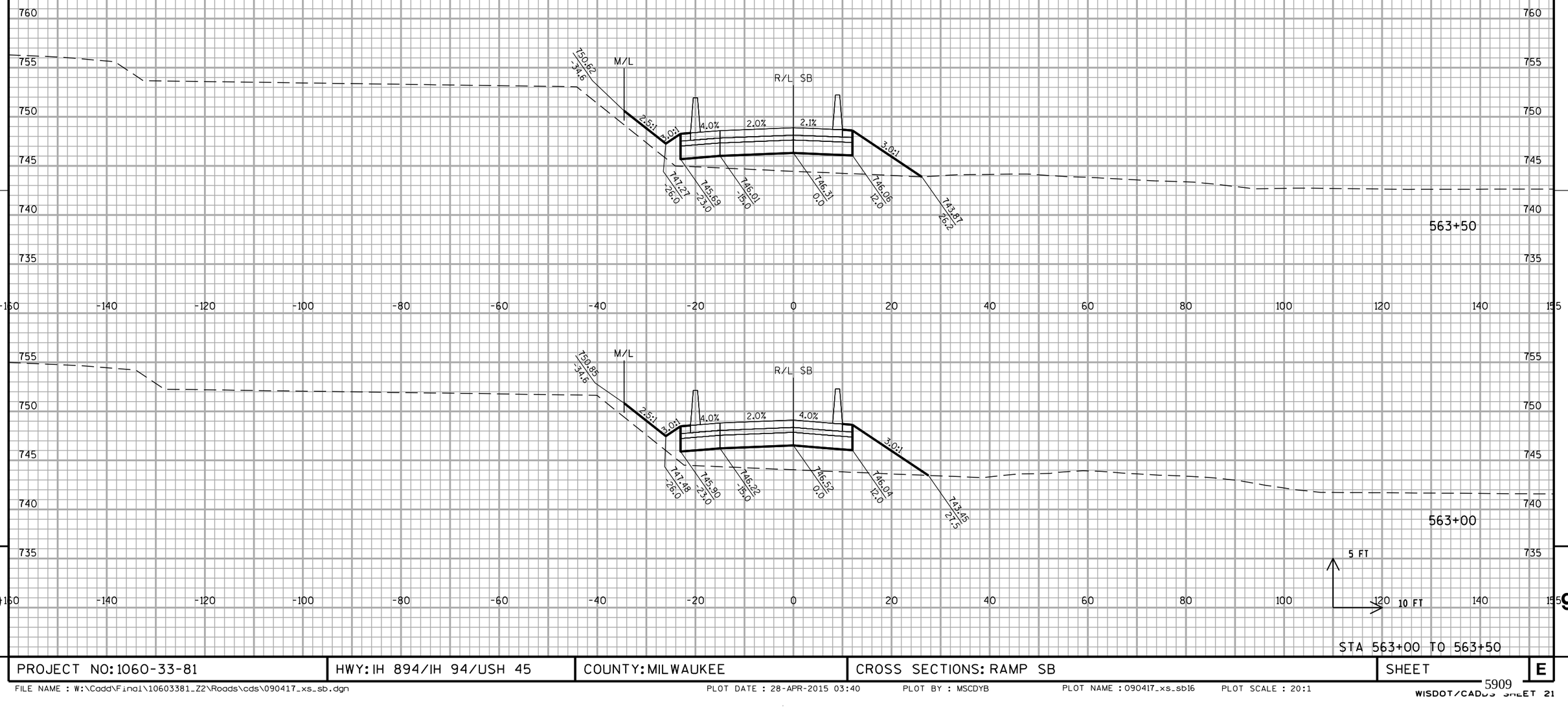
STA 562+00 TO 562+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb15 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

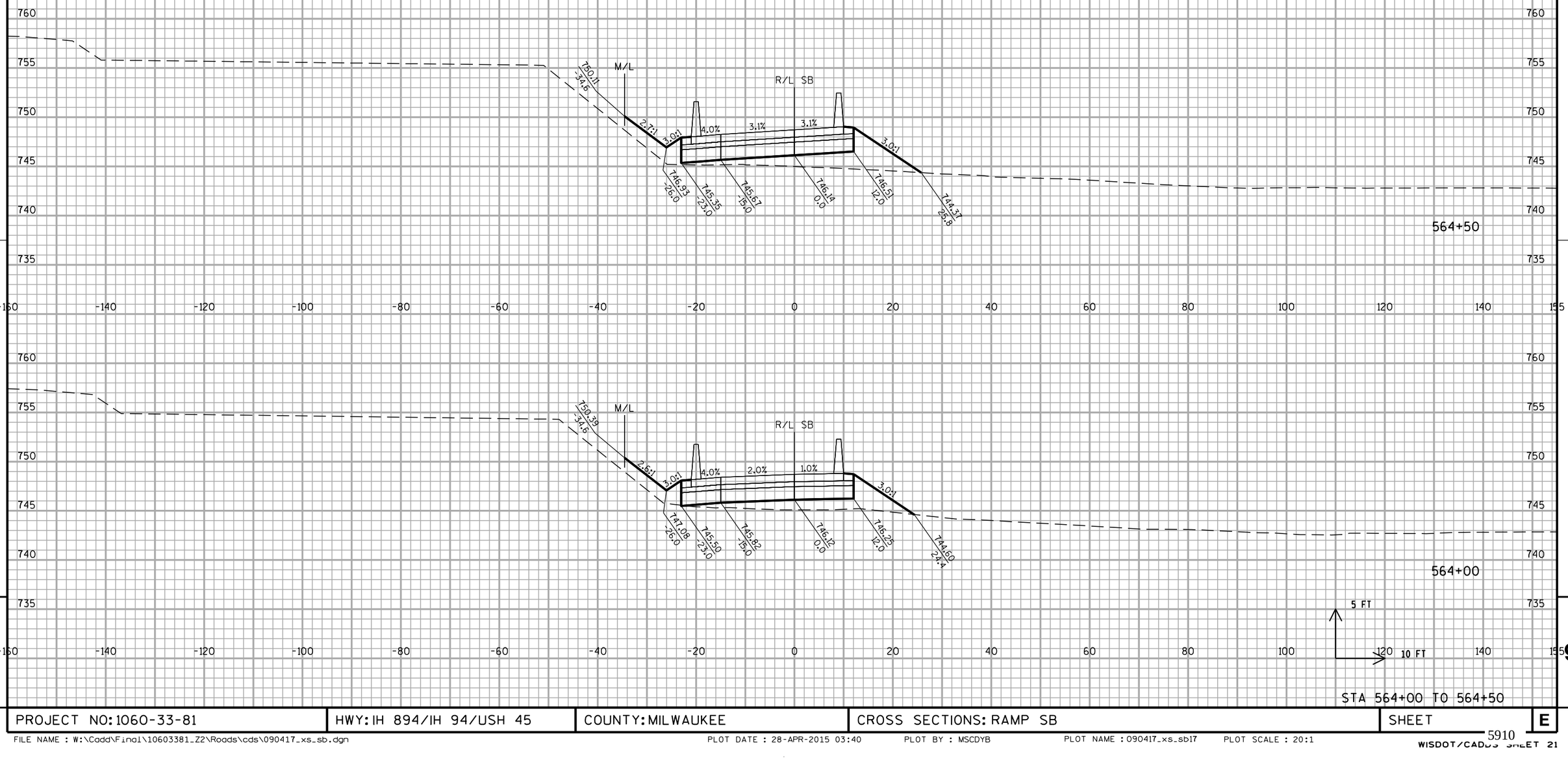


STA 563+00 TO 563+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb16 PLOT SCALE : 20:1

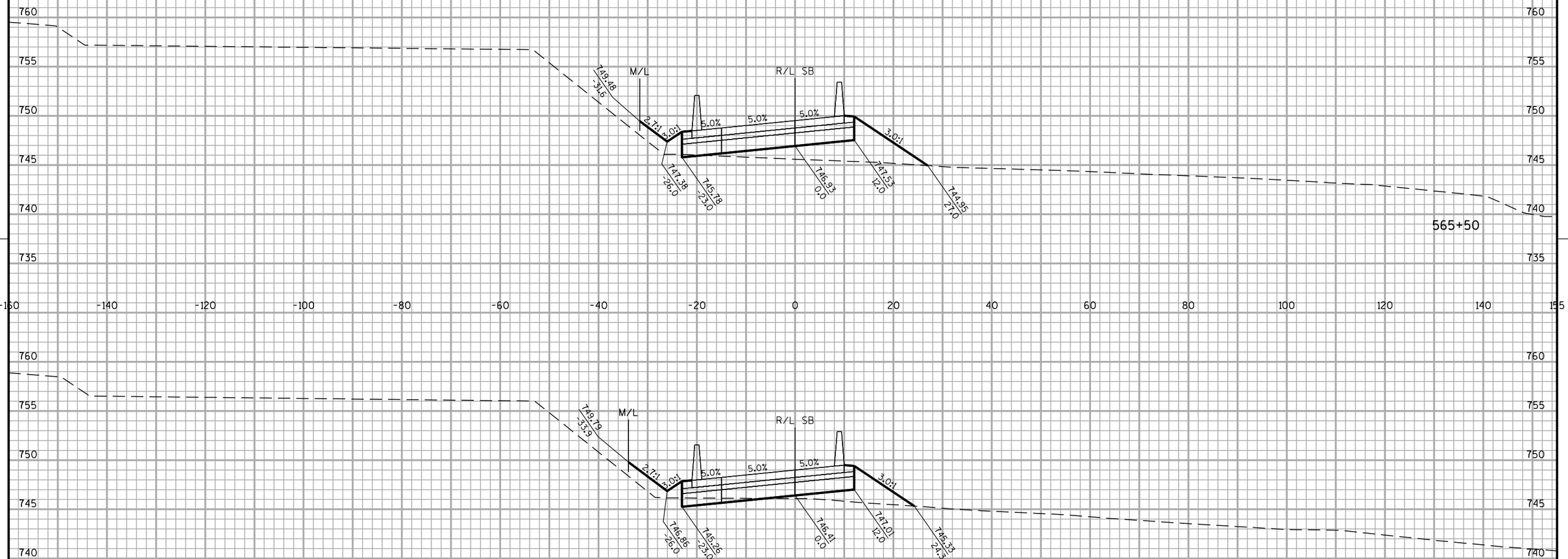
ALL WORK STAGE 2



STA 564+00 TO 564+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

ALL WORK STAGE 2



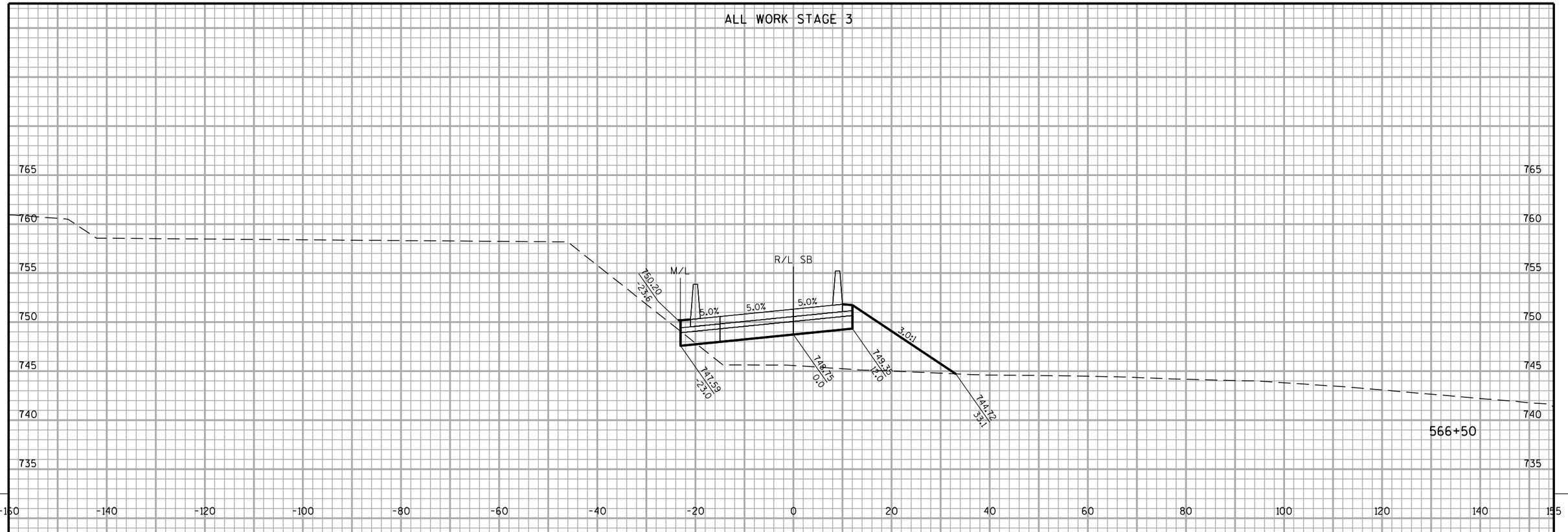
STA 565+00 TO 565+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

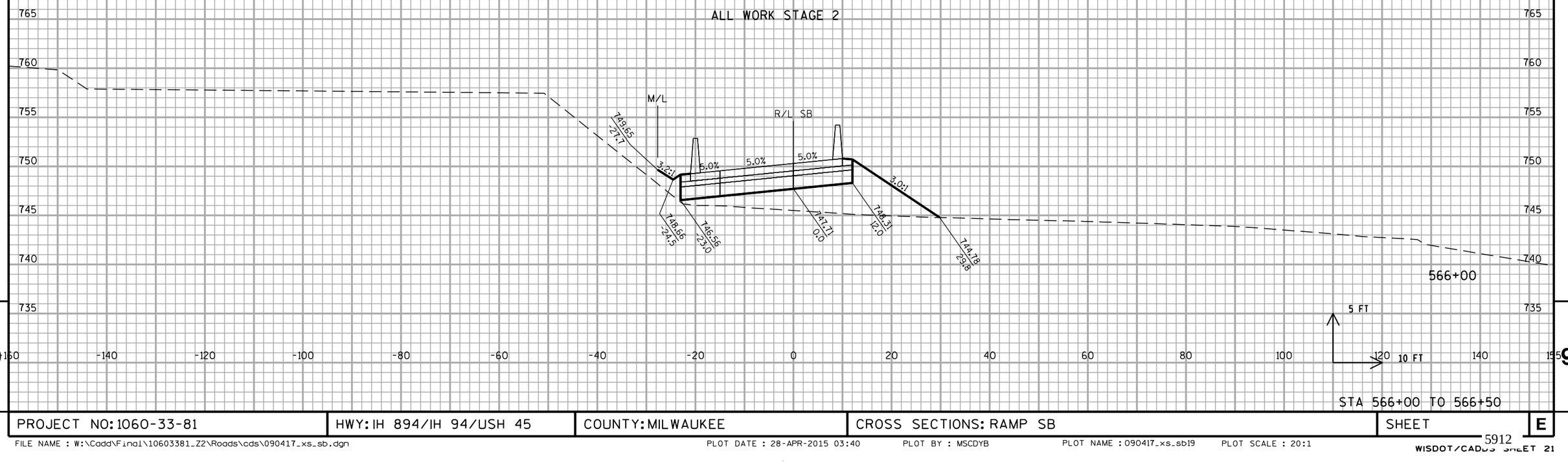
9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb18 PLOT SCALE : 20:1

ALL WORK STAGE 3



ALL WORK STAGE 2

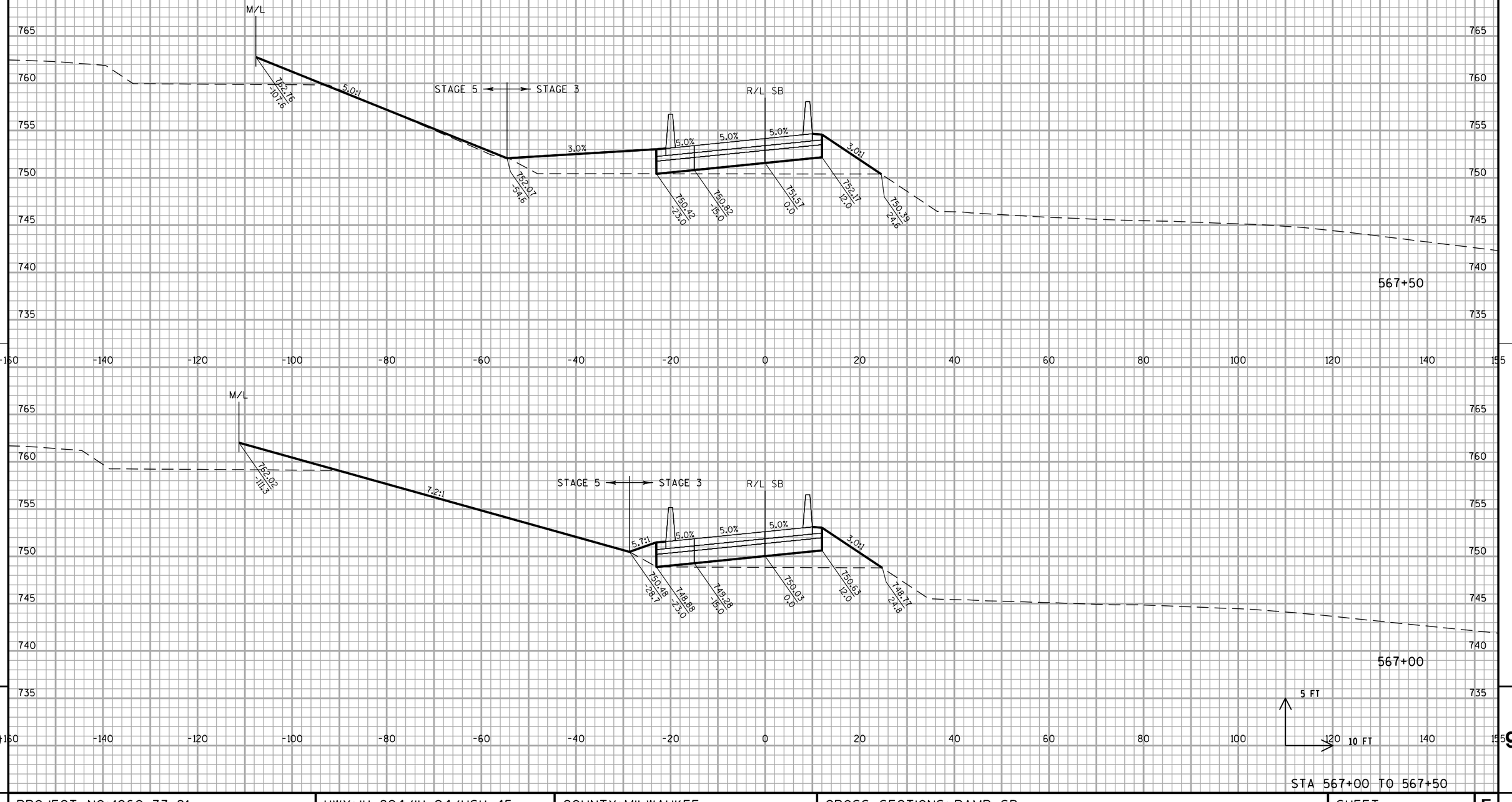


STA 566+00 TO 566+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

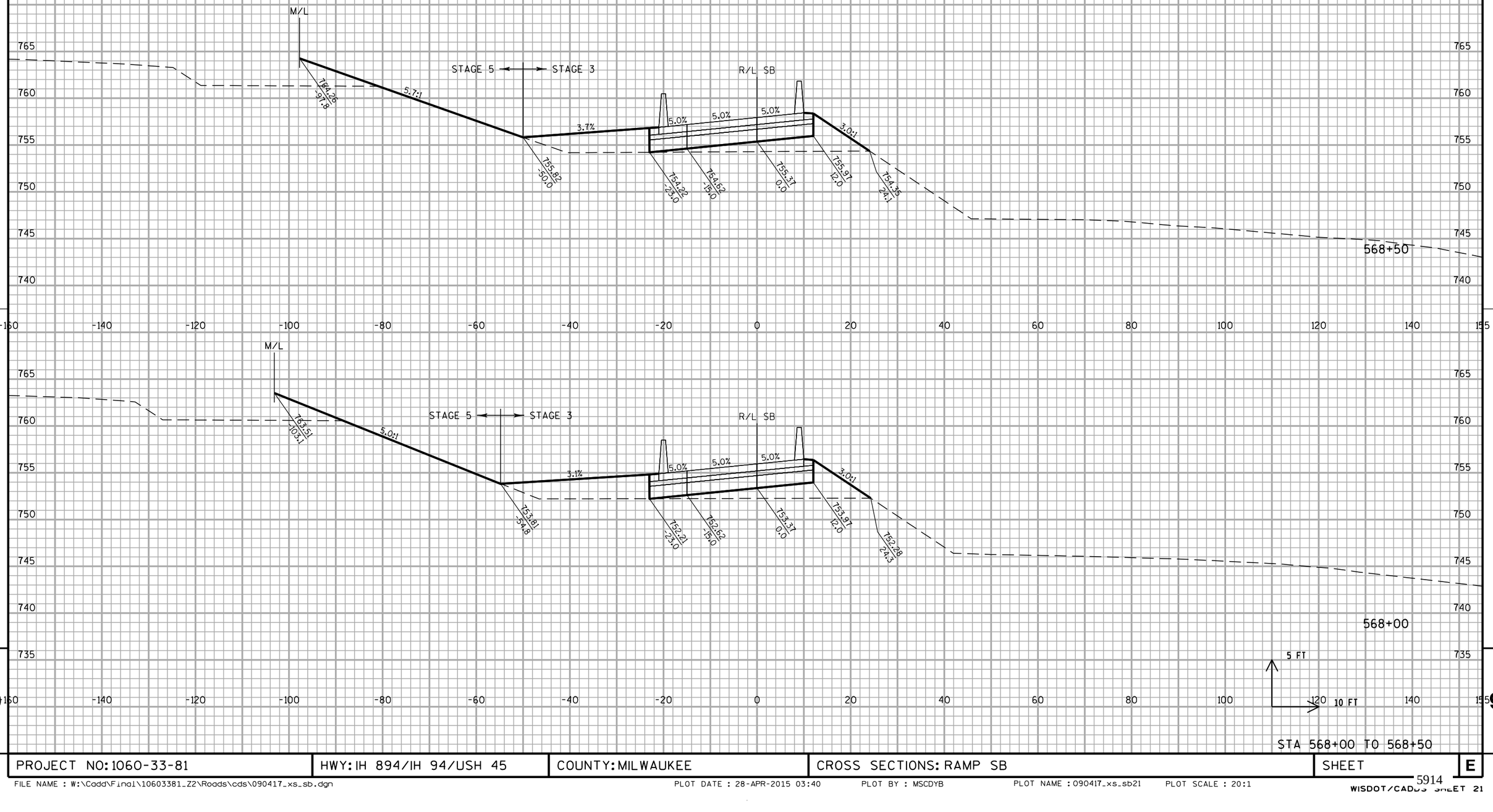
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



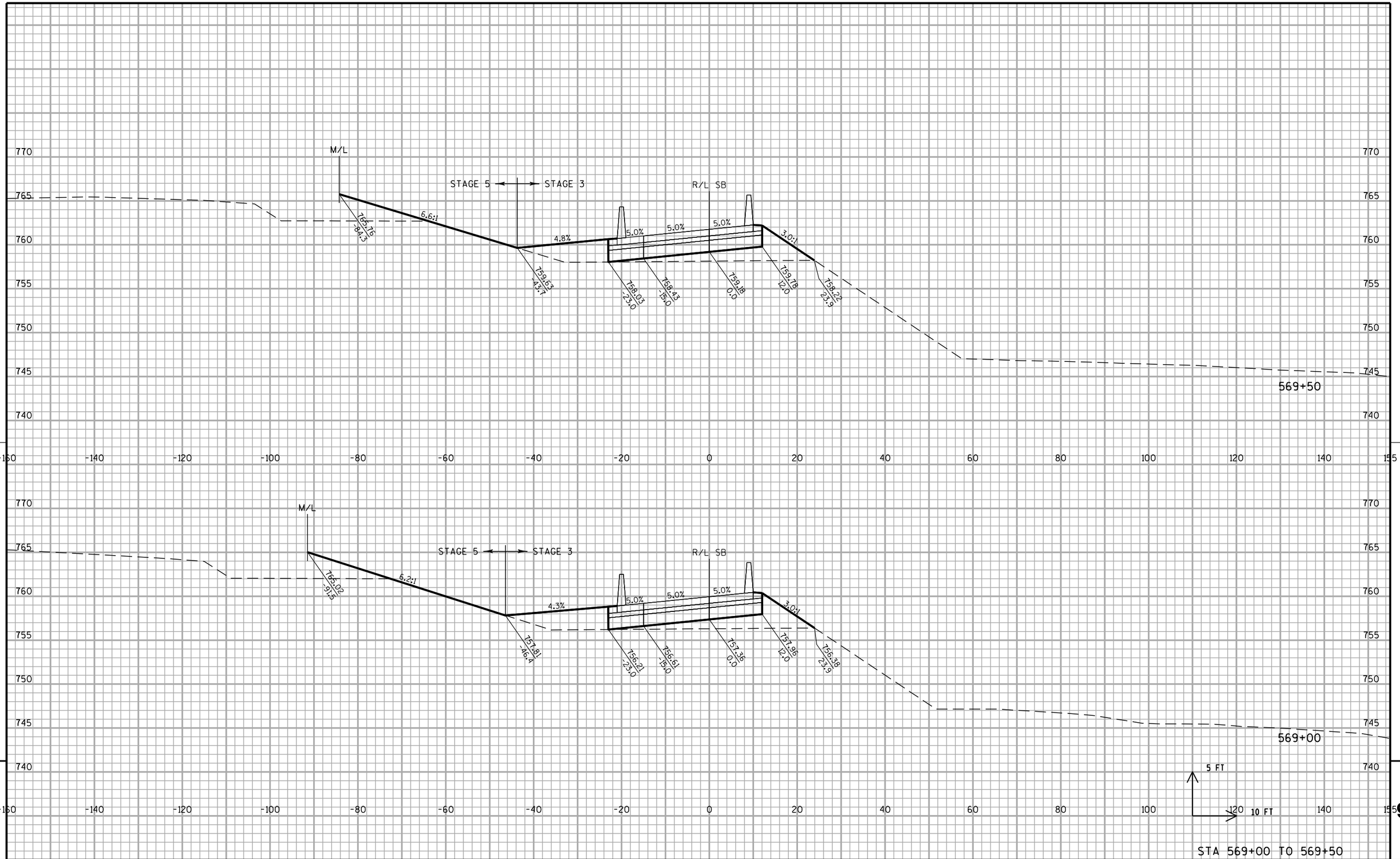
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb20 PLOT SCALE : 20:1

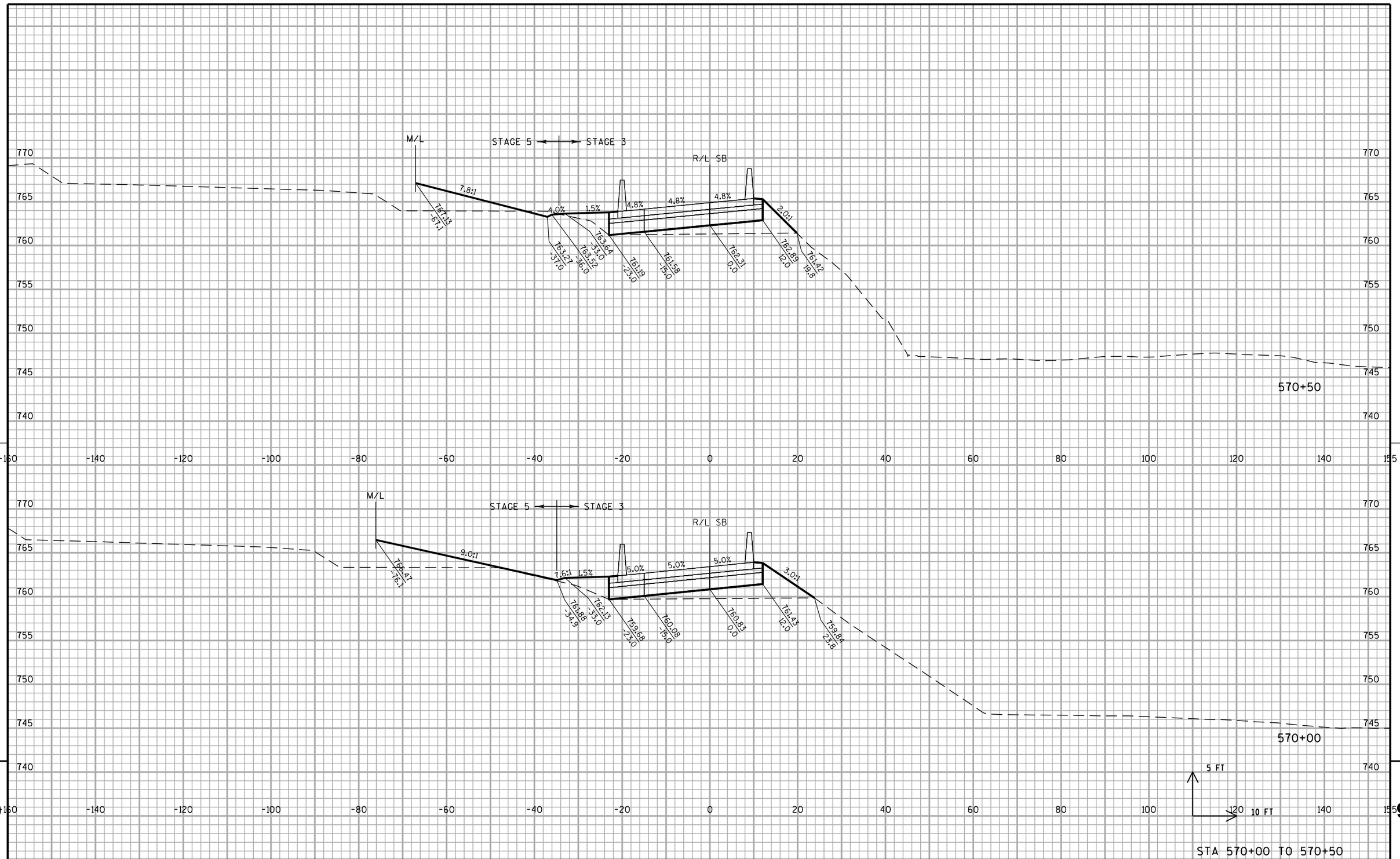


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb21 PLOT SCALE : 20:1

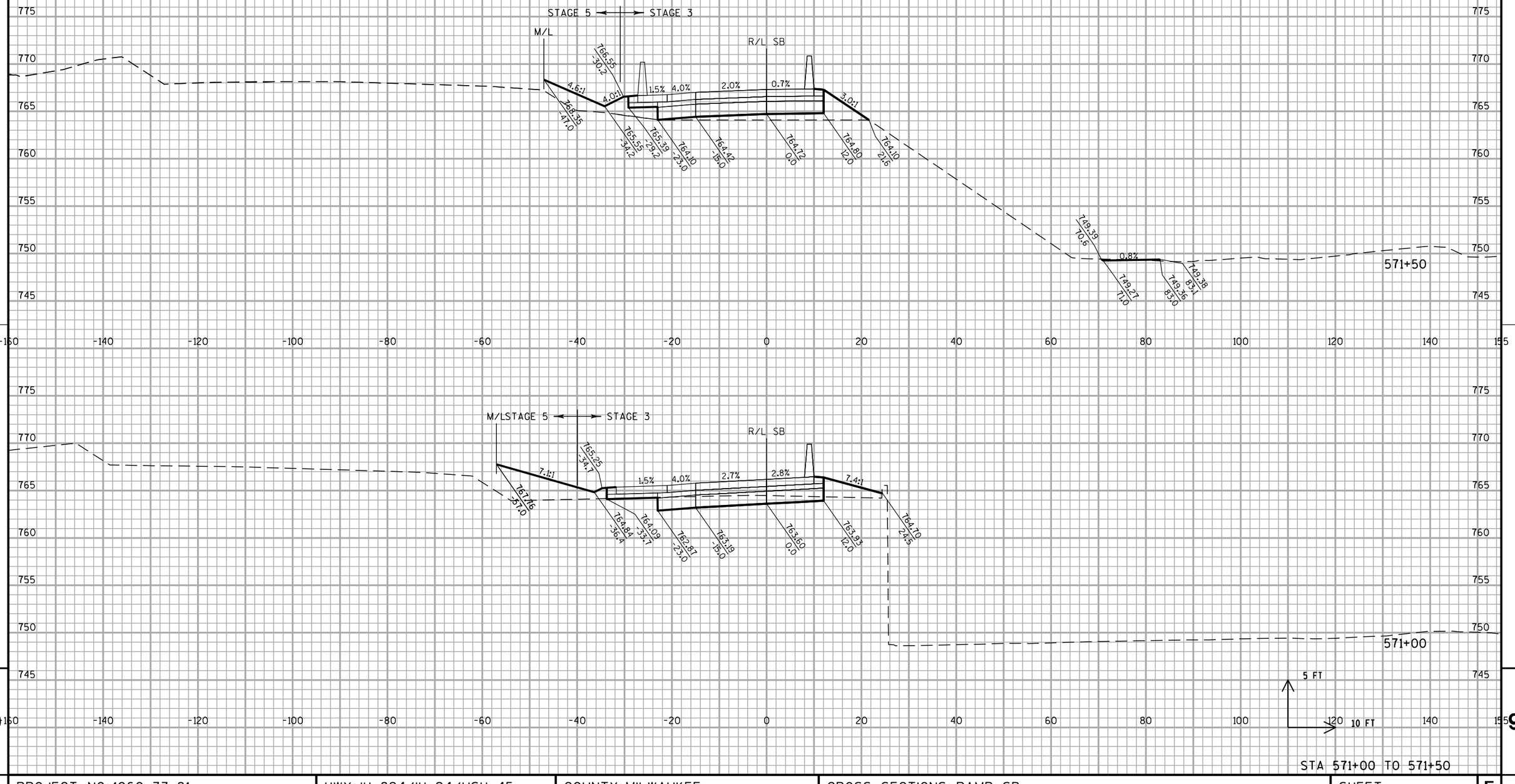


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E



STA 570+00 TO 570+50

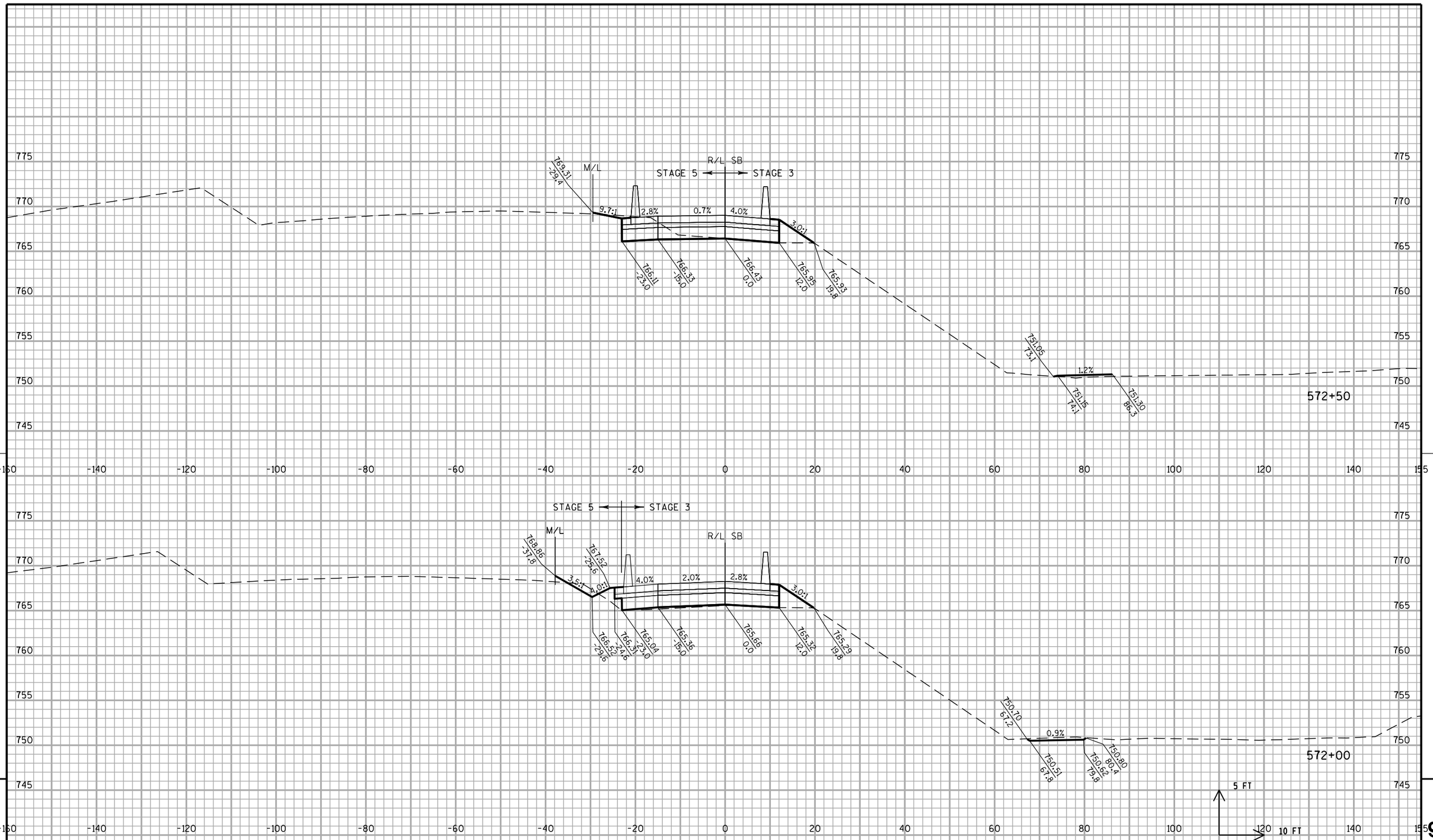
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_SB.dgn PLOT DATE : 05-JUN-2015 14:32 PLOT BY : MSCDYB PLOT NAME : 090417_xs_SB24 PLOT SCALE : 20:1

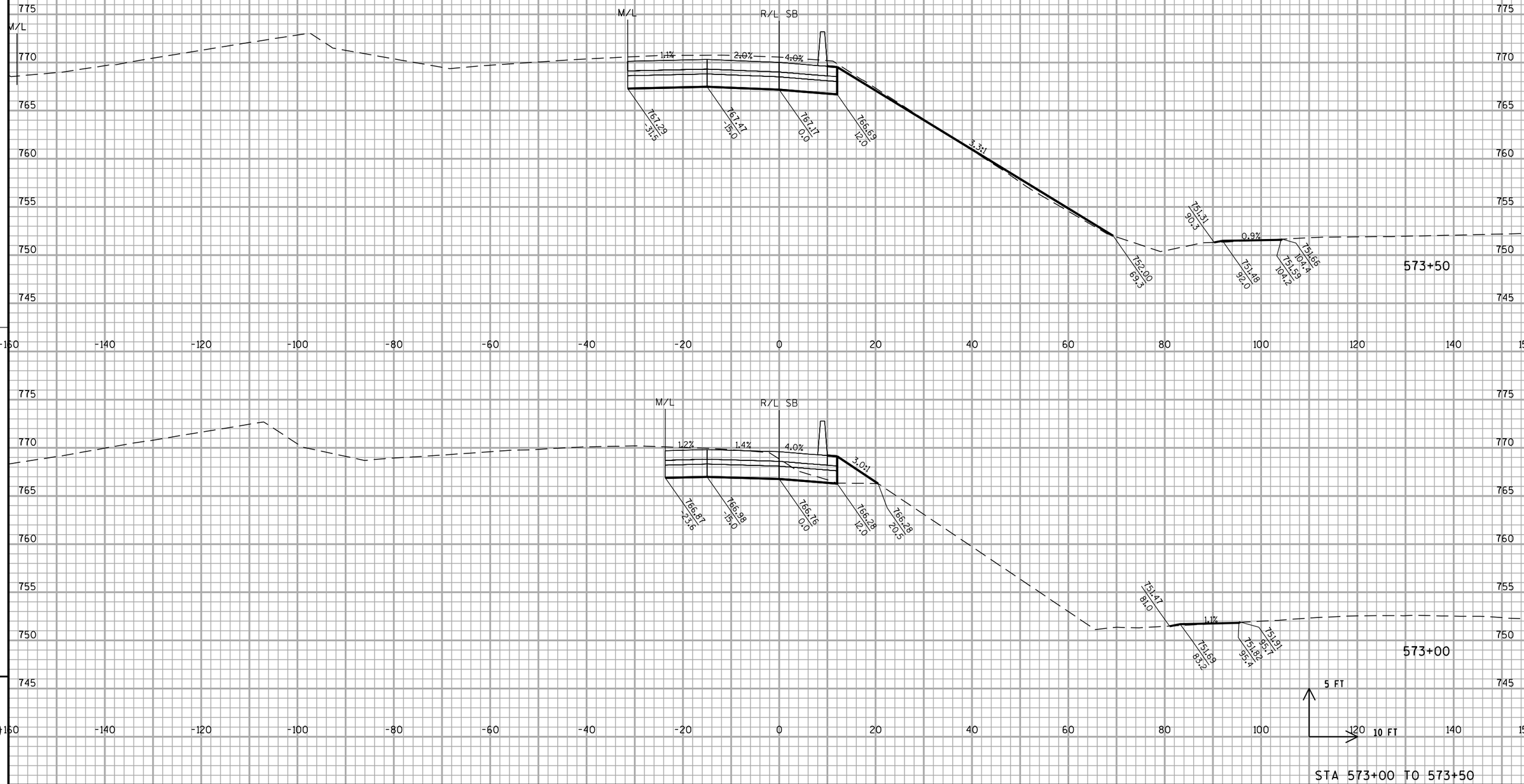


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET E

STA 572+00 TO 572+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_SB.dgn PLOT DATE : 05-JUN-2015 14:32 PLOT BY : MSCDYB PLOT NAME : 090417_xs_SB25 PLOT SCALE : 20:1

ALL WORK STAGE 5

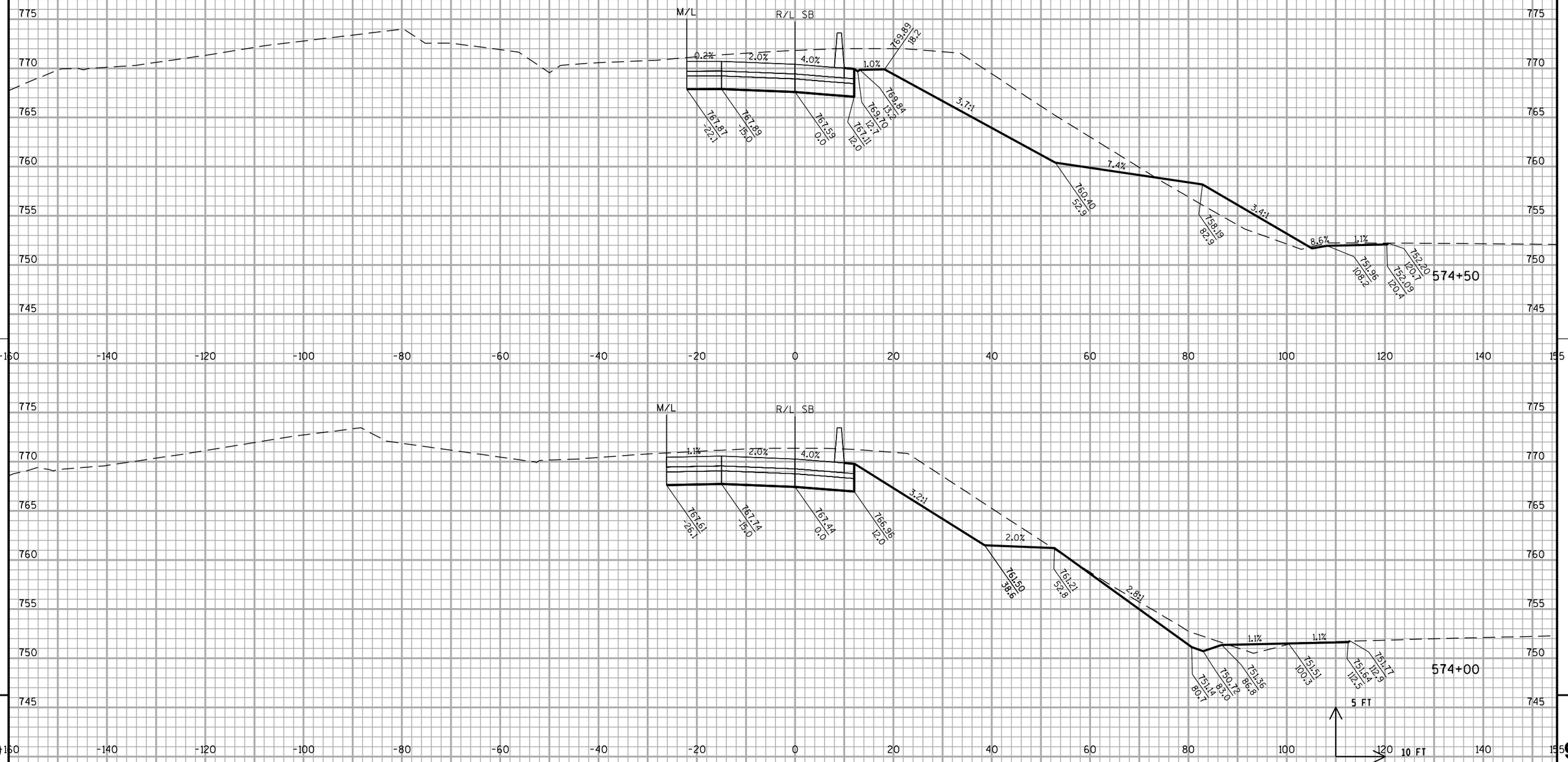


STA 573+00 TO 573+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb26 PLOT SCALE : 20:1

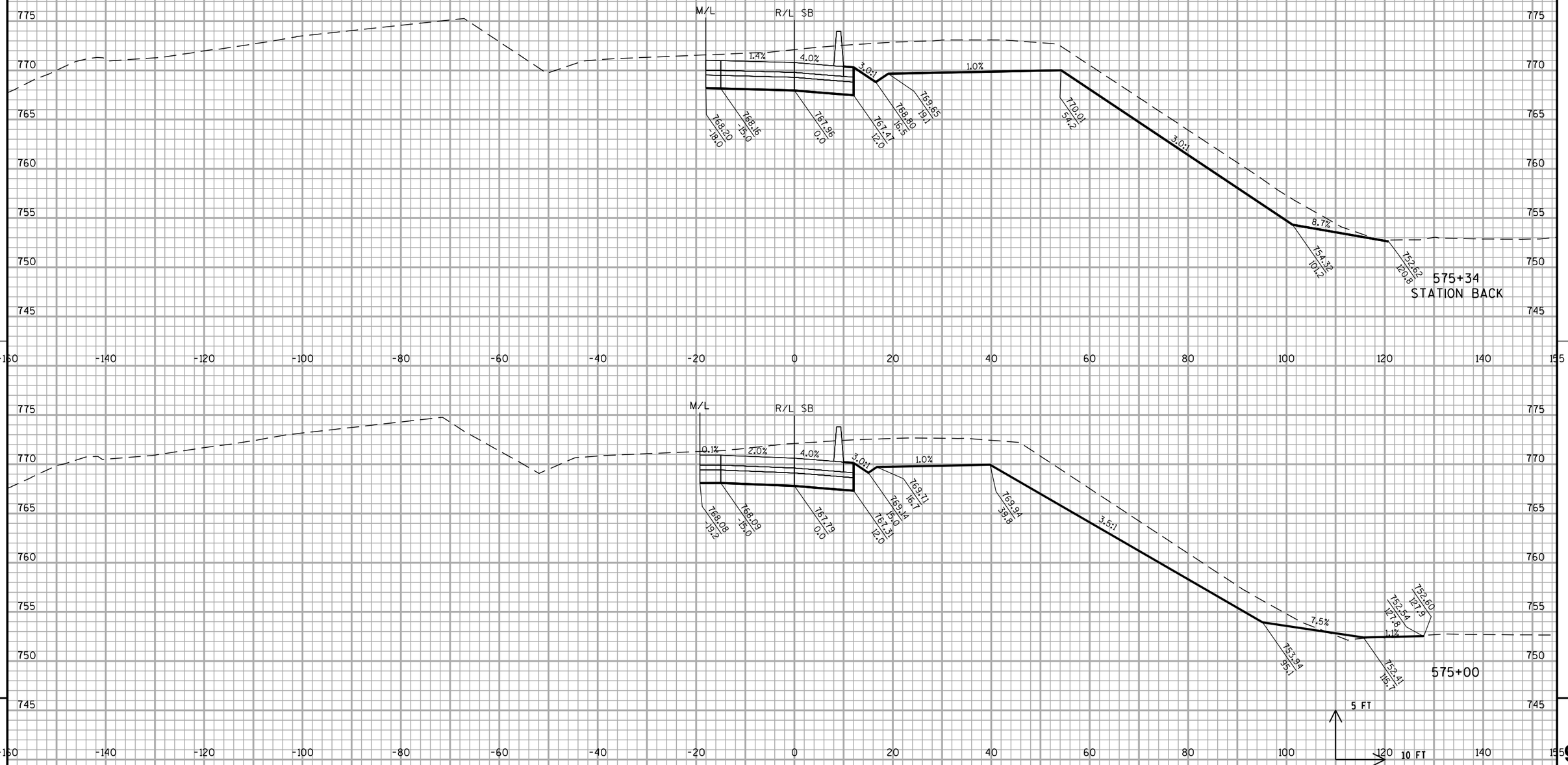
ALL WORK STAGE 5



STA 574+00 TO 574+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

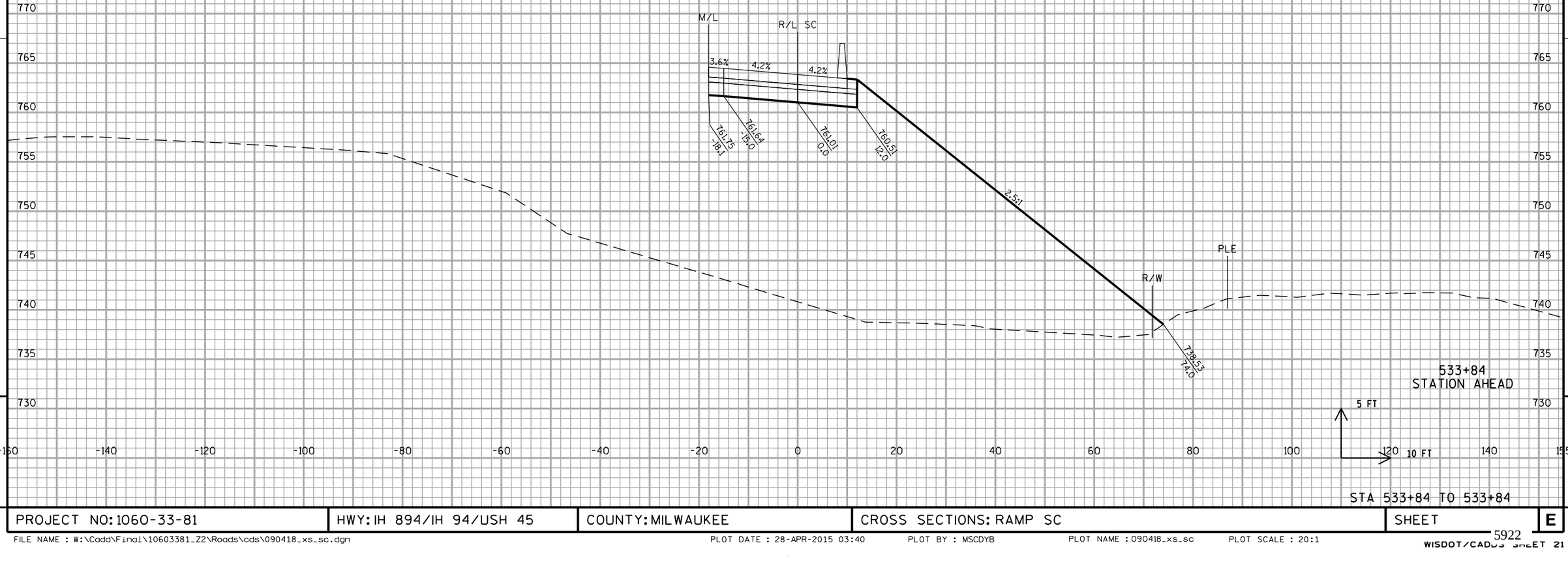
ALL WORK STAGE 5



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090417_xs_sb.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090417_xs_sb28 PLOT SCALE : 20:1

ALL WORK STAGE 2



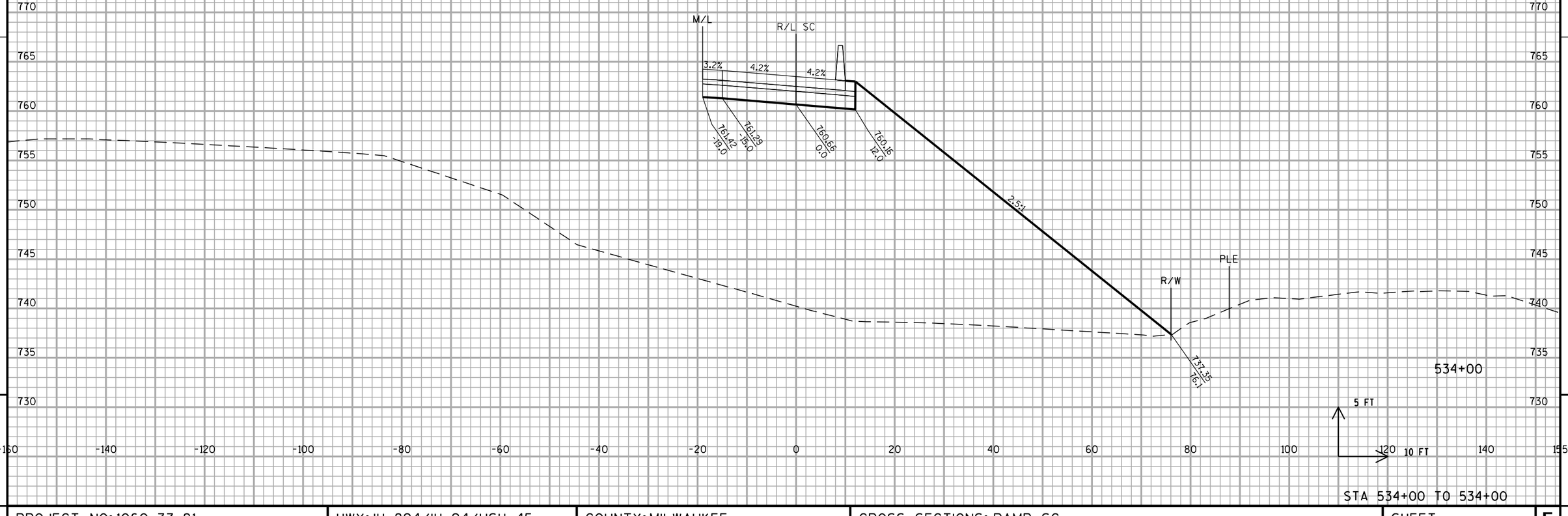
STA 533+84 TO 533+84

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



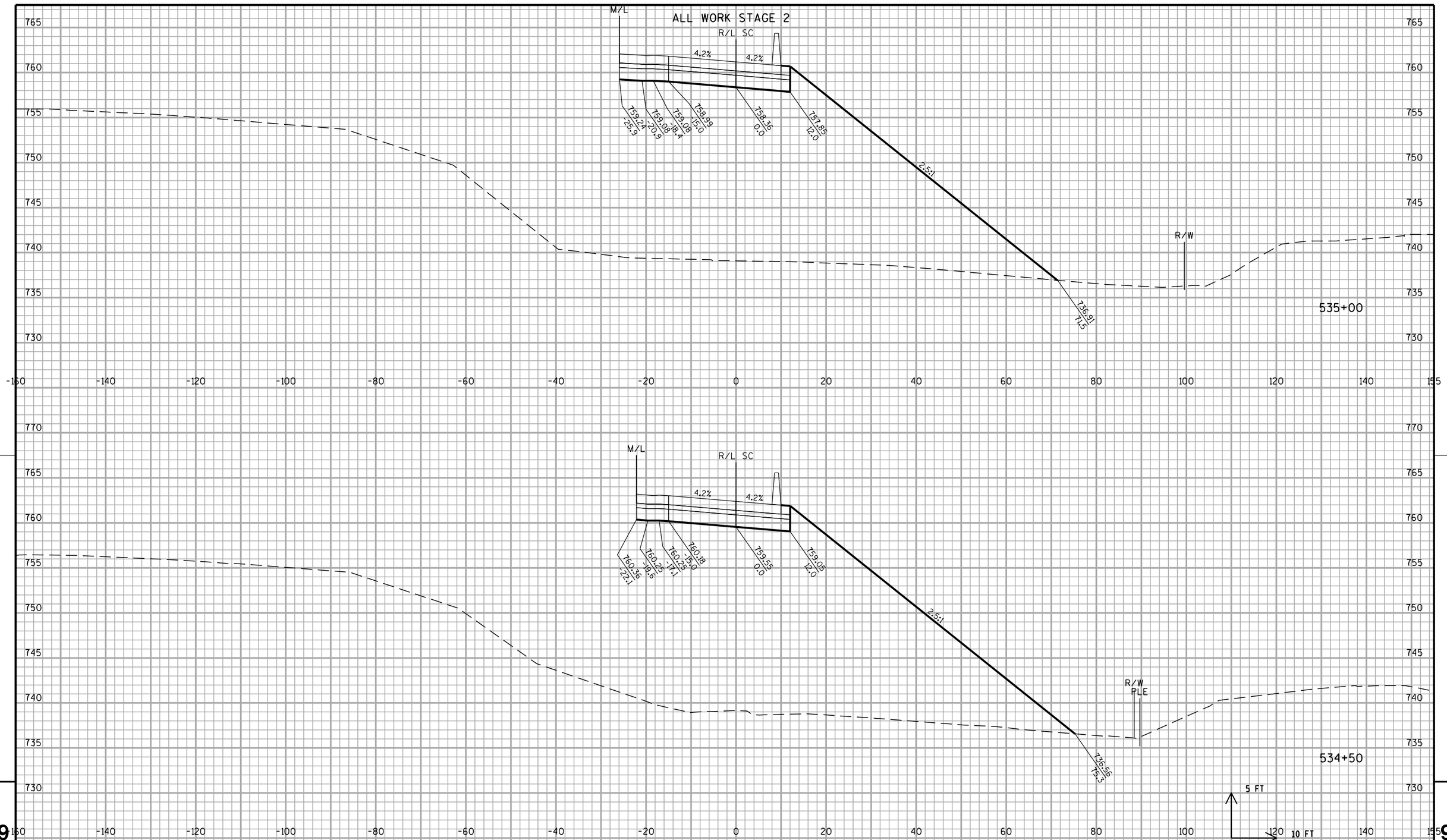
STA 534+00 TO 534+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

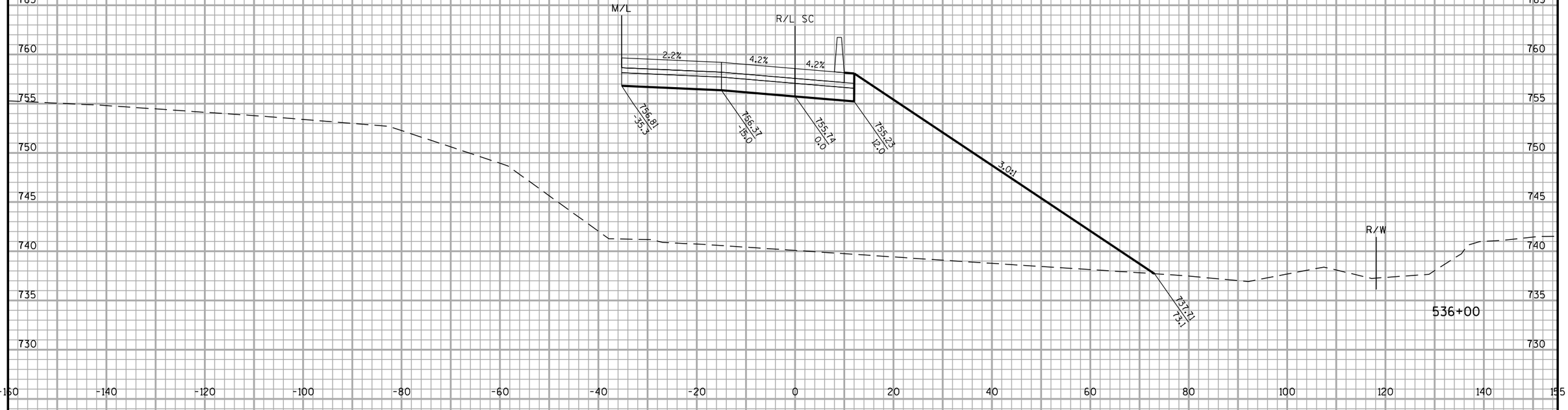


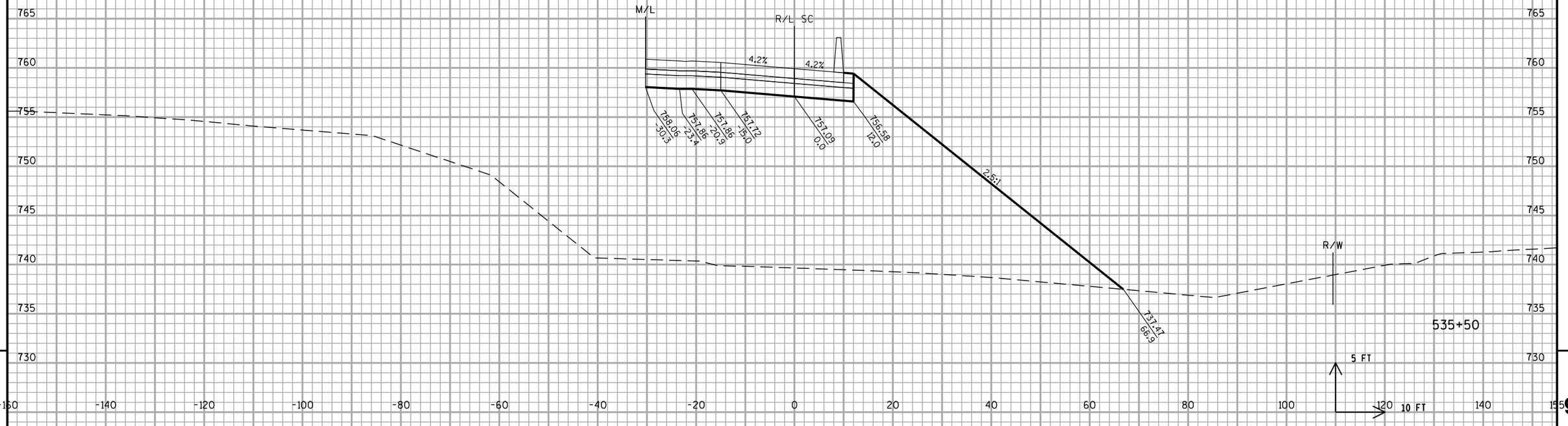
STA 534+50 TO 535+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc2 PLOT SCALE : 20:1

ALL WORK STAGE 2



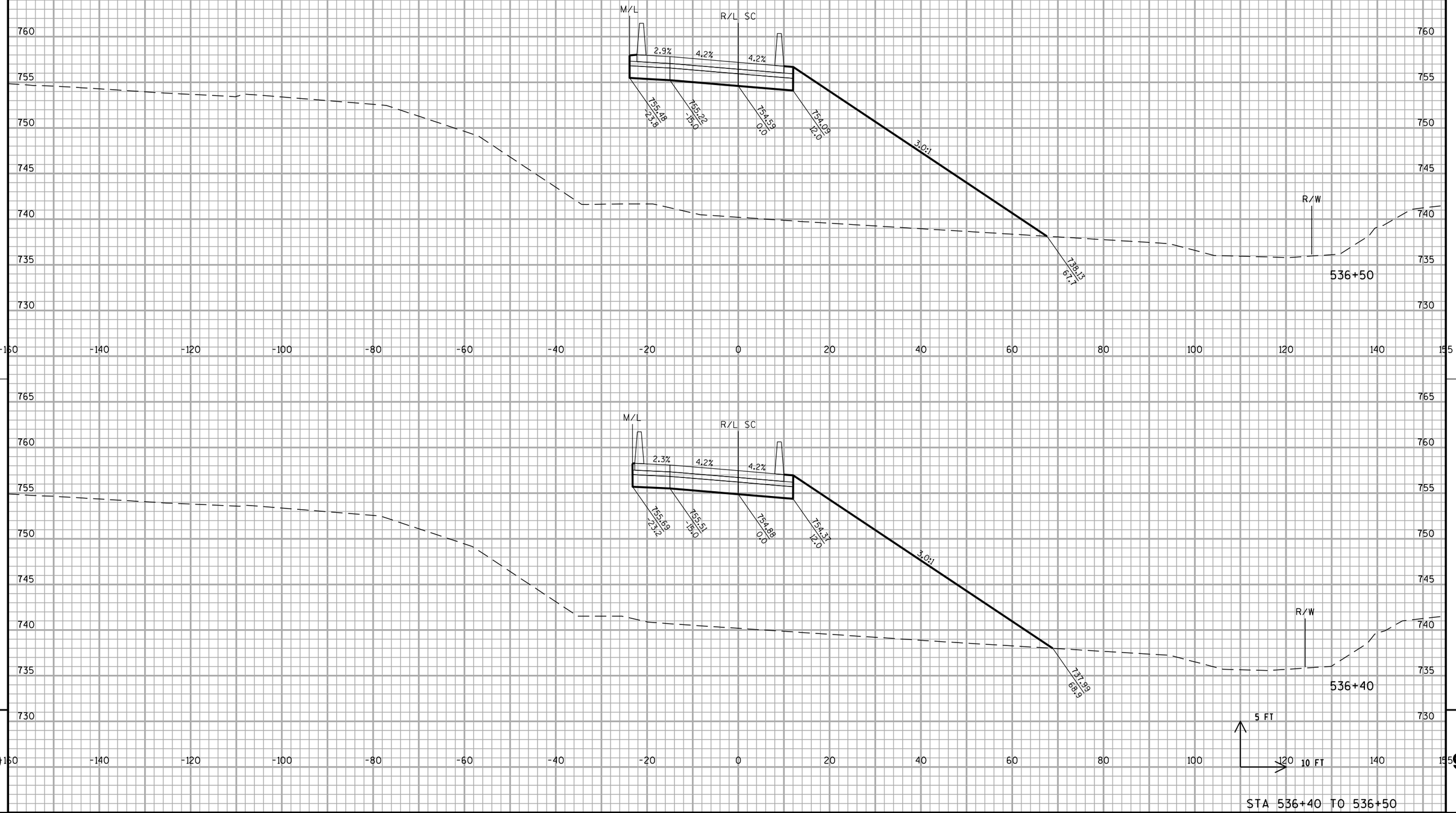


STA 535+50 TO 536+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc3 PLOT SCALE : 20:1

ALL WORK STAGE 2

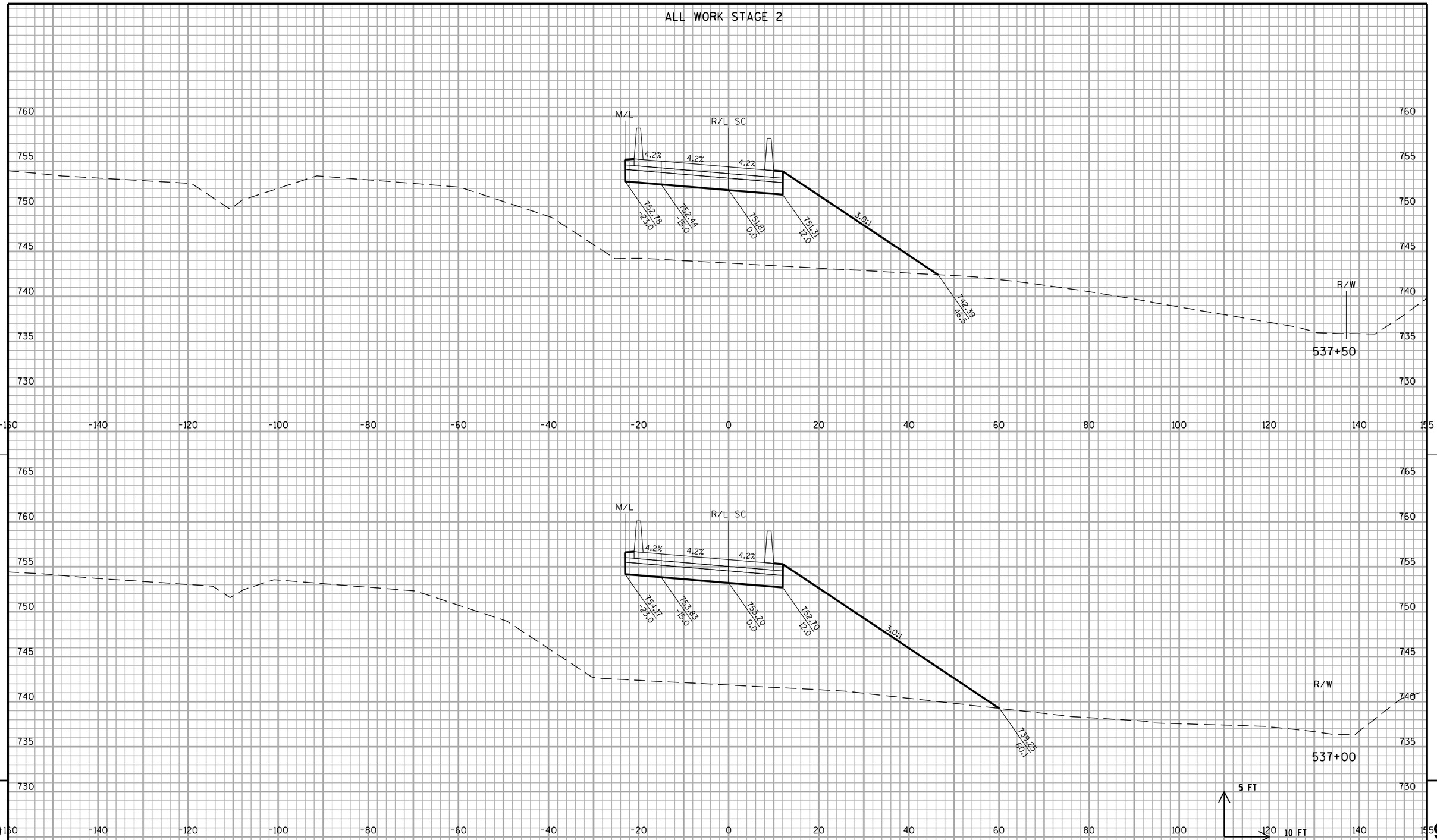


STA 536+40 TO 536+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc4 PLOT SCALE : 20:1

ALL WORK STAGE 2

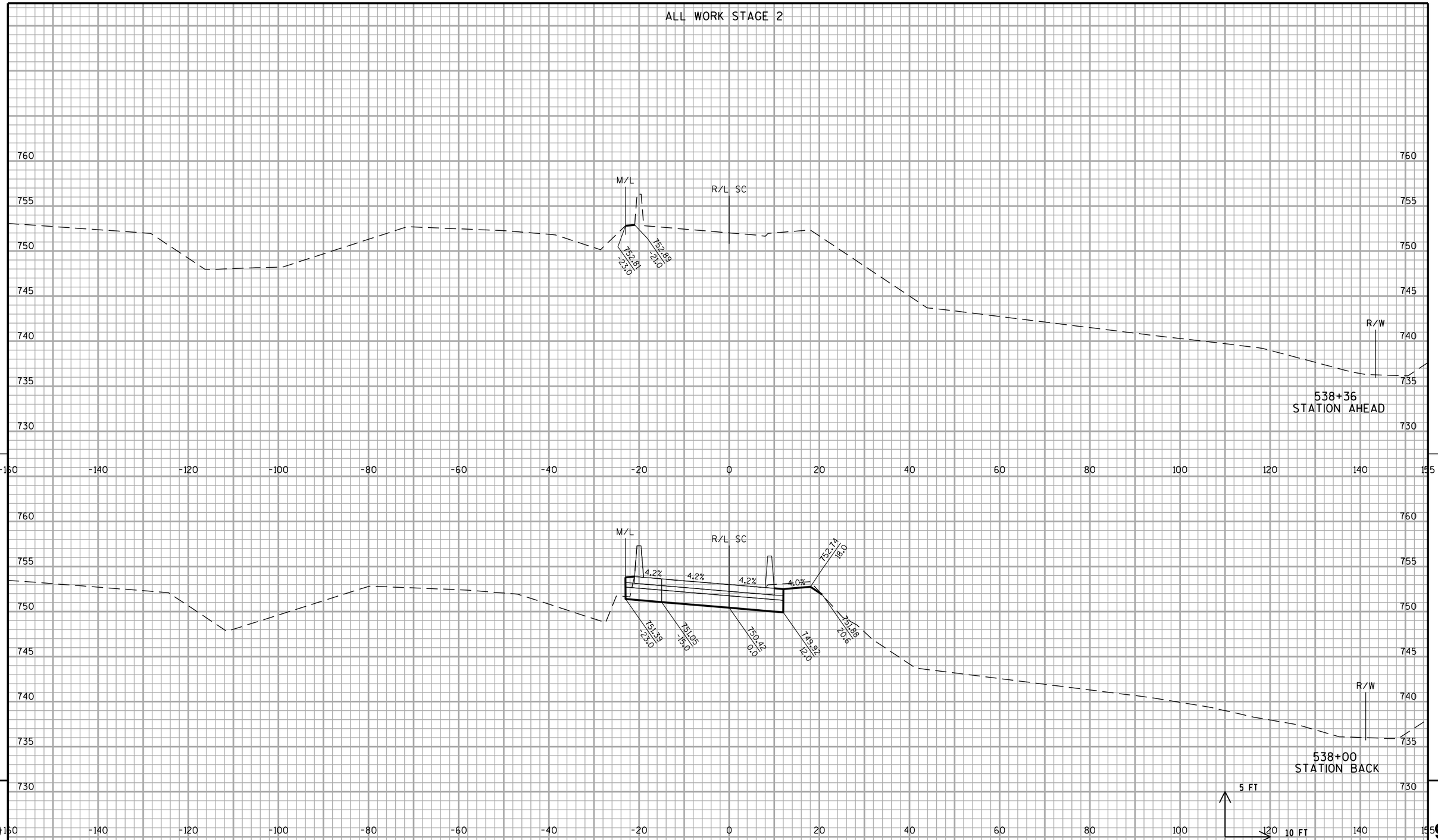


STA 537+00 TO 537+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc5 PLOT SCALE : 20:1

ALL WORK STAGE 2



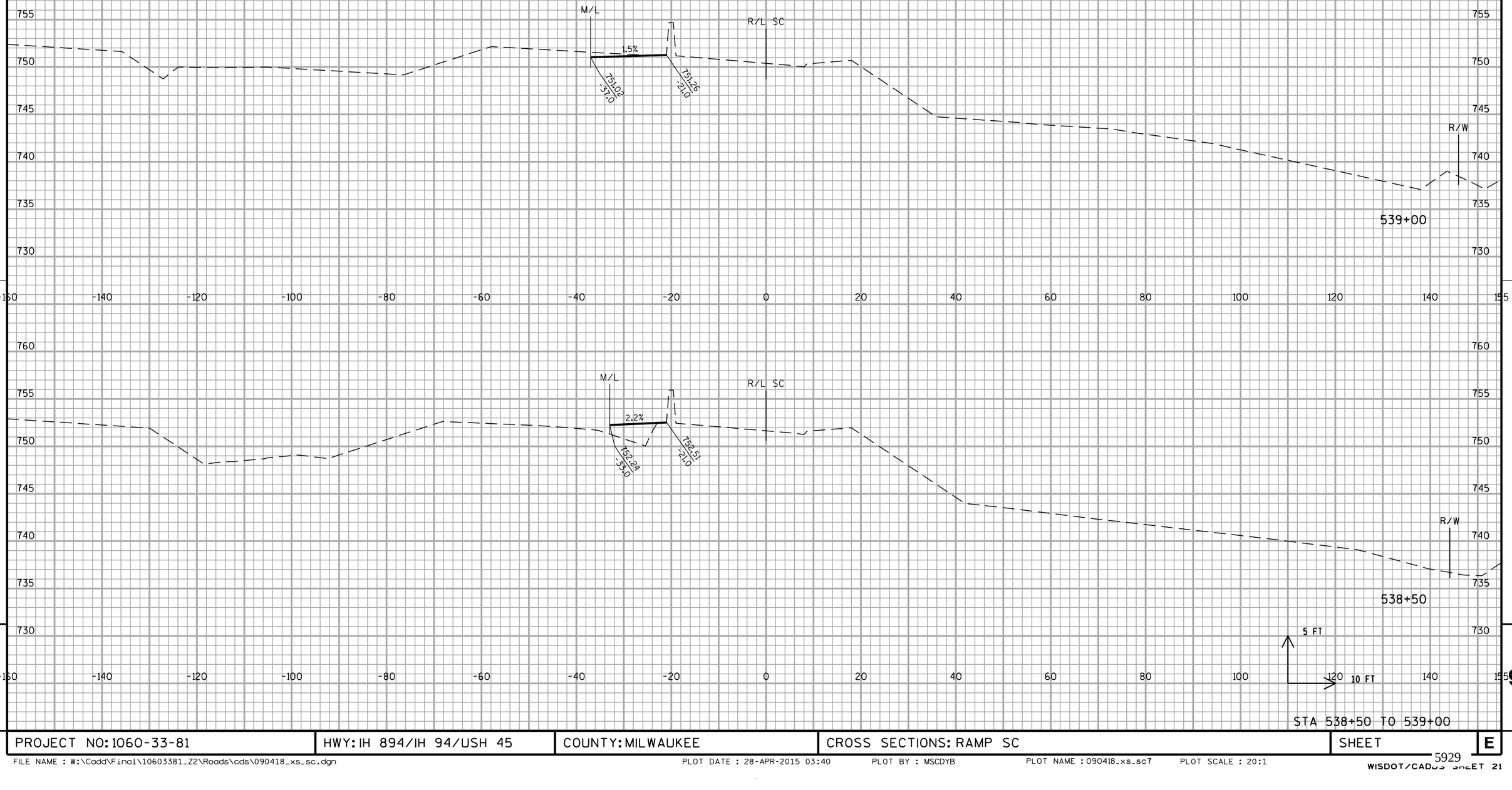
STA 538+00 TO 538+36

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

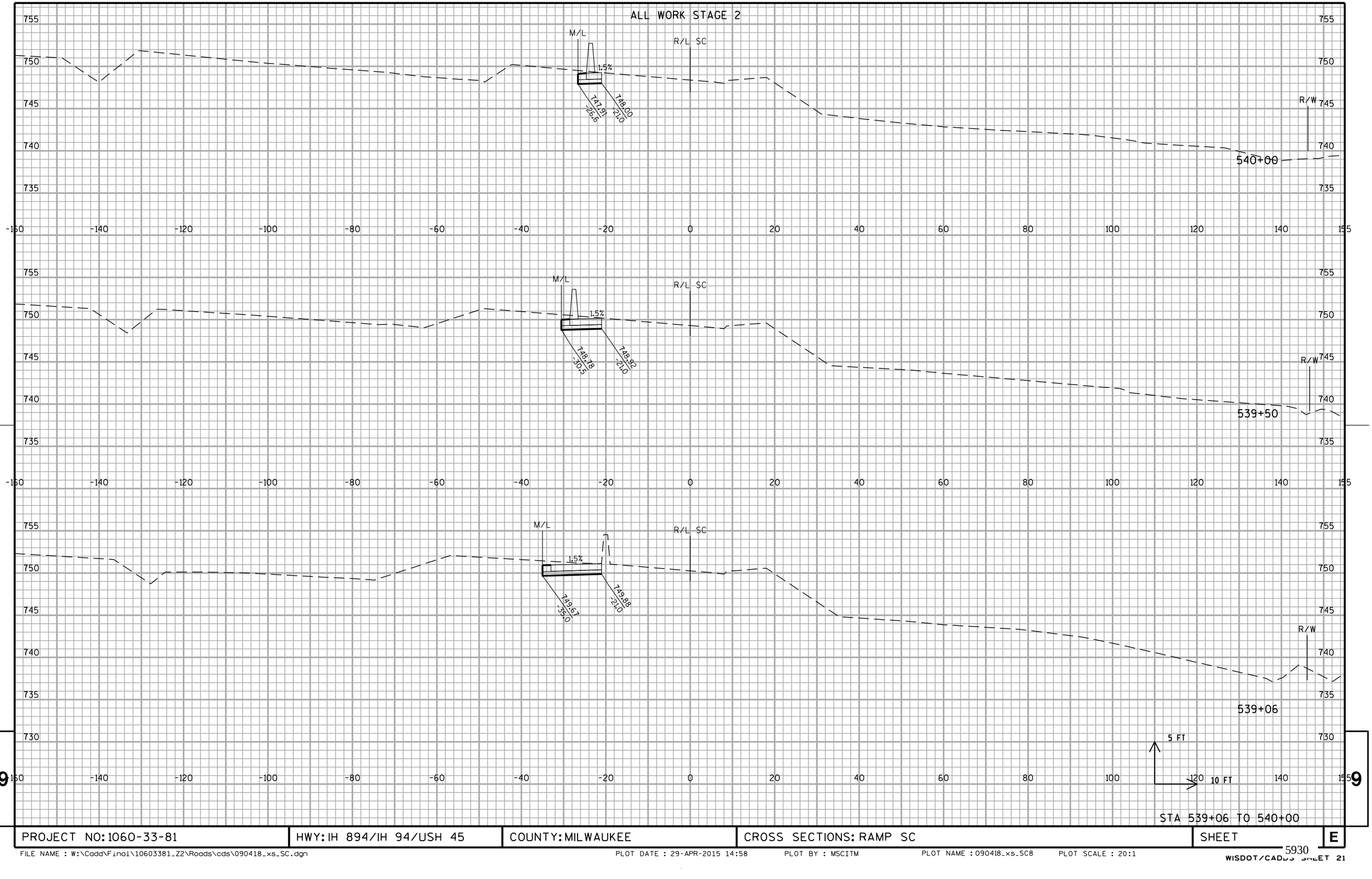


STA 538+50 TO 539+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_sc.dgn PLOT DATE : 28-APR-2015 03:40 PLOT BY : MSCDYB PLOT NAME : 090418_xs_sc7 PLOT SCALE : 20:1

ALL WORK STAGE 2



STA 539+06 TO 540+00

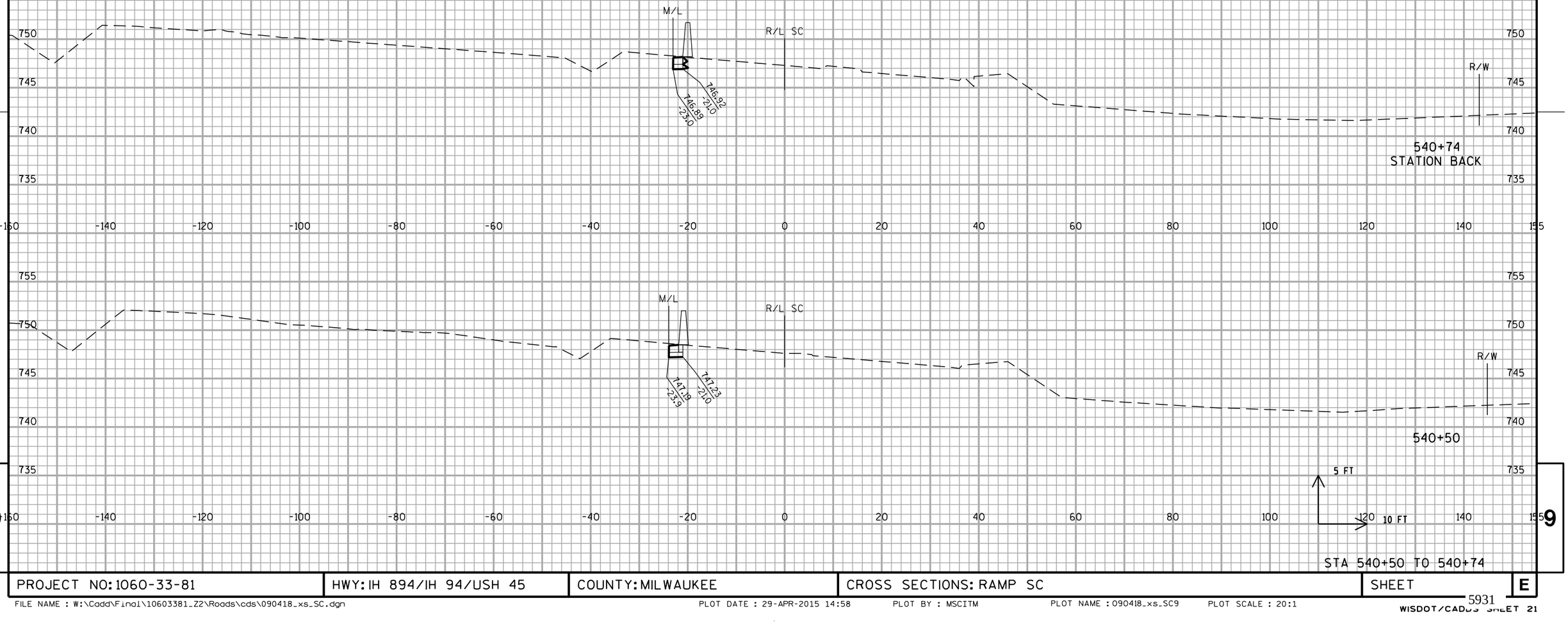
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_SC.dgn PLOT DATE : 29-APR-2015 14:58 PLOT BY : MSCITM PLOT NAME : 090418_xs_SC8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

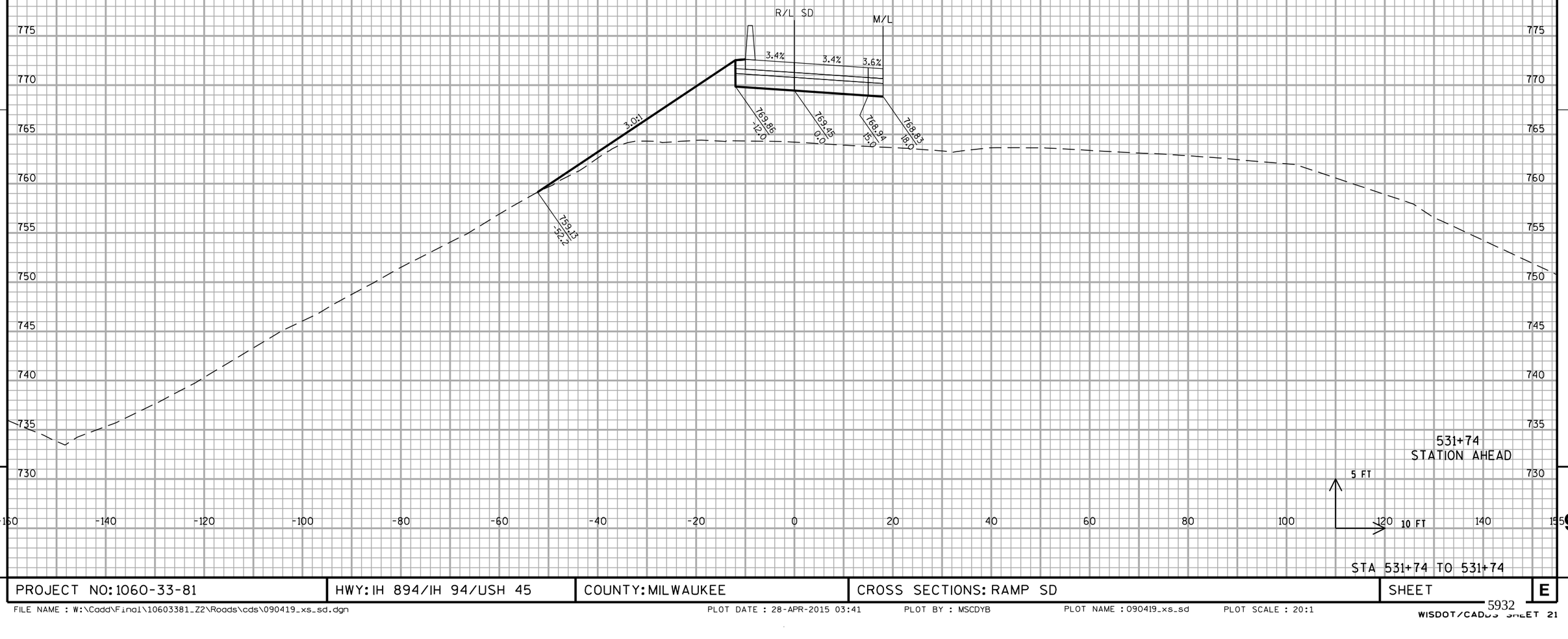


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090418_xs_SC.dgn PLOT DATE : 29-APR-2015 14:58 PLOT BY : MSCITM PLOT NAME : 090418_xs_SC9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

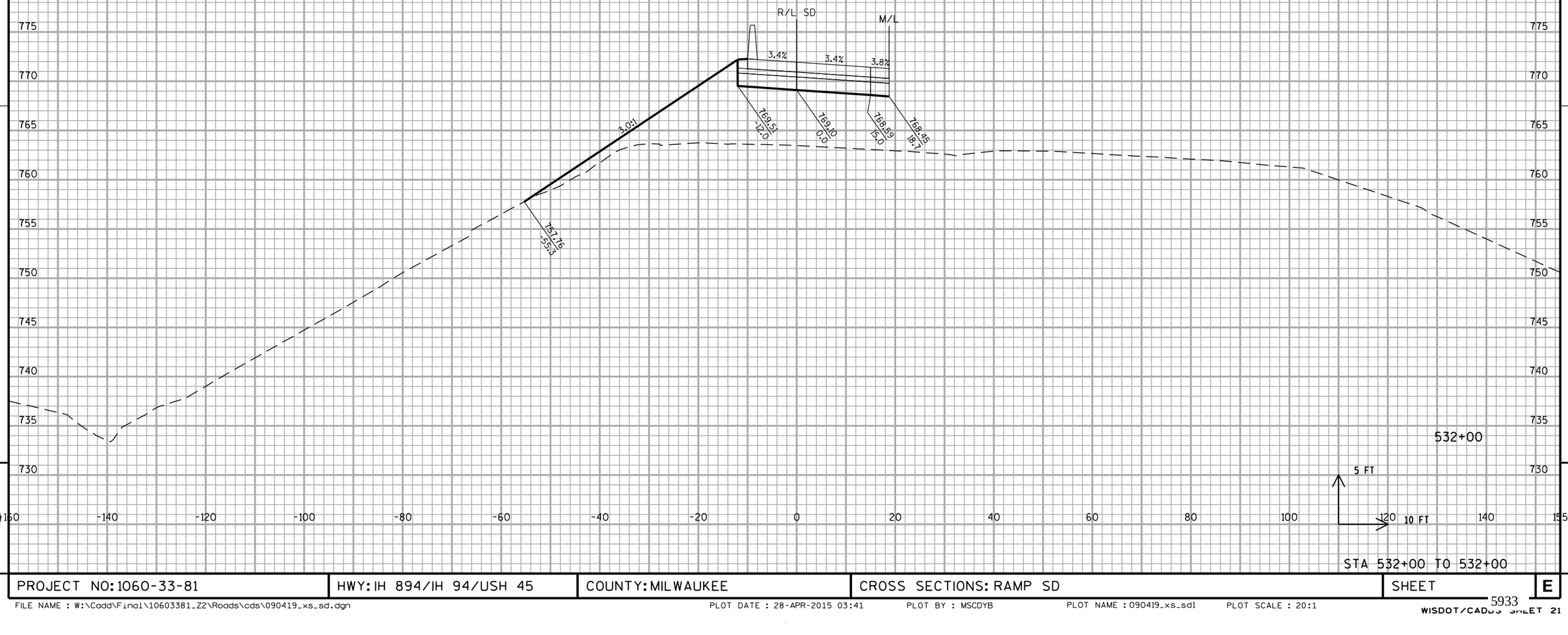
ALL WORK STAGE 6



STA 531+74 TO 531+74

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

ALL WORK STAGE 6



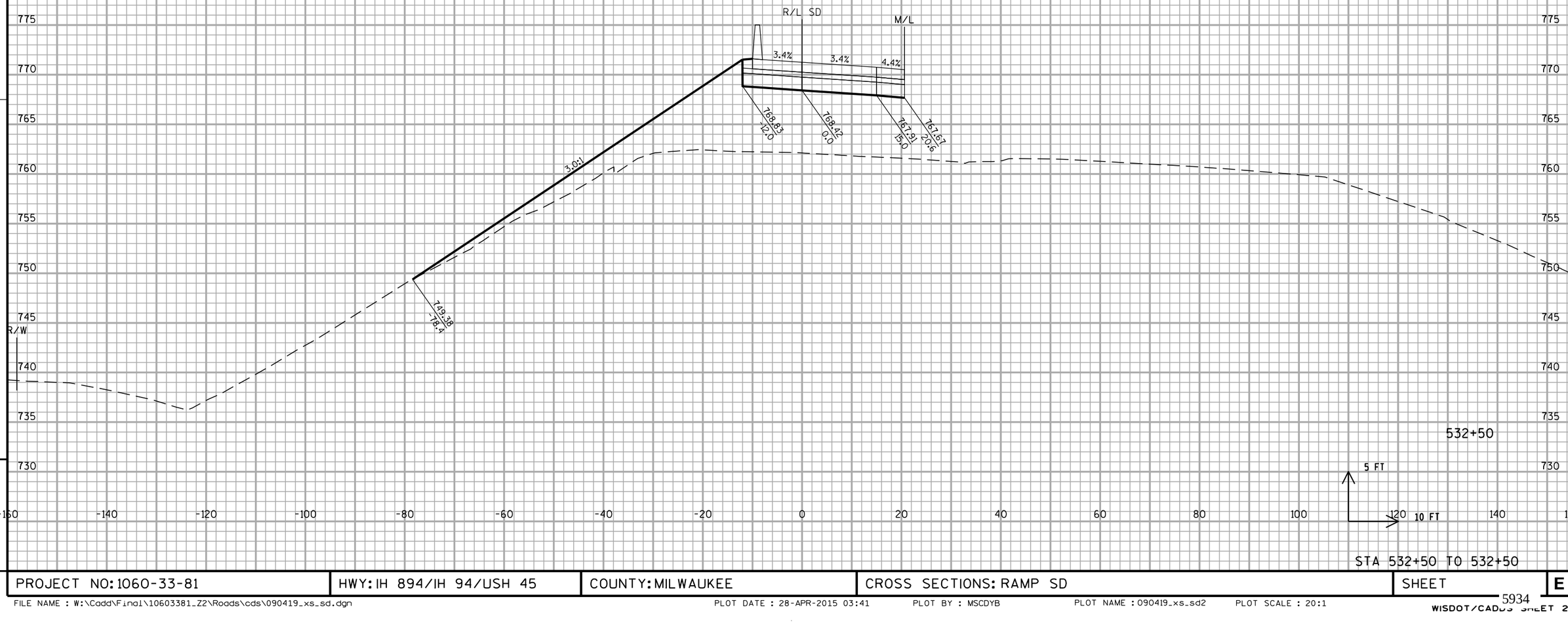
STA 532+00 TO 532+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

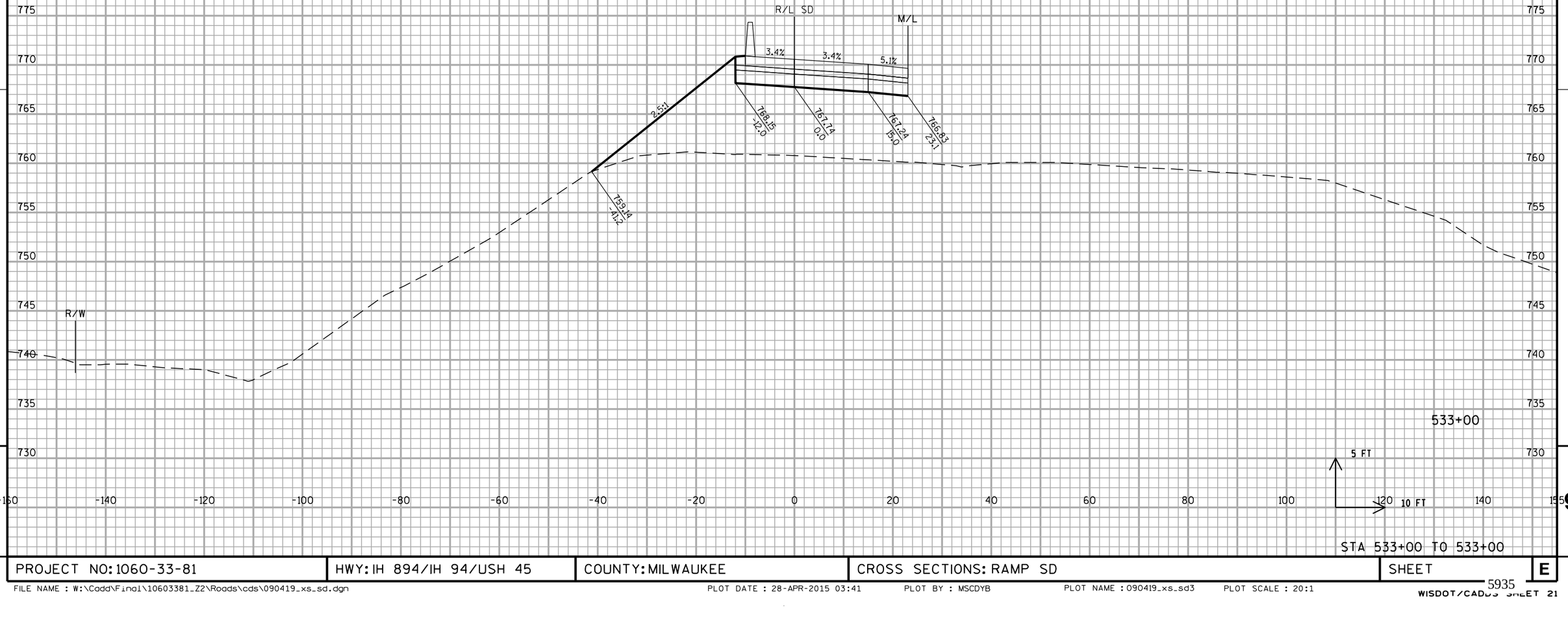


STA 532+50 TO 532+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd2 PLOT SCALE : 20:1

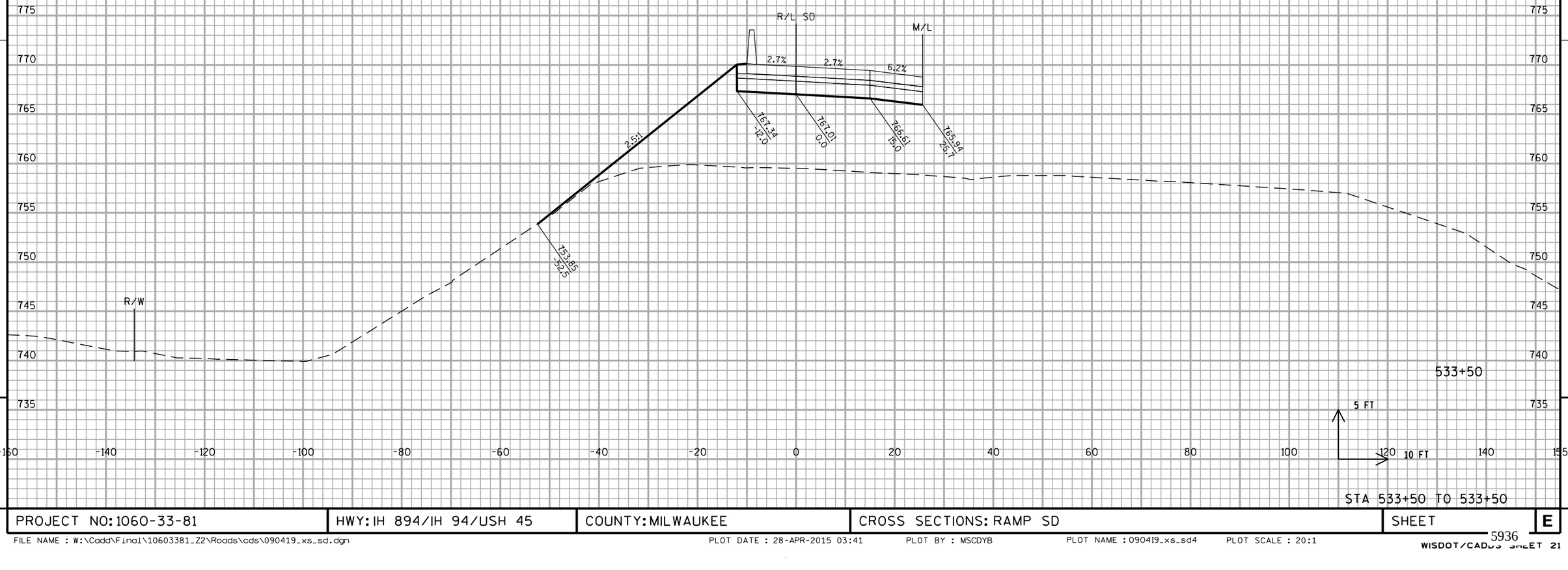
ALL WORK STAGE 6



STA 533+00 TO 533+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

ALL WORK STAGE 6



9

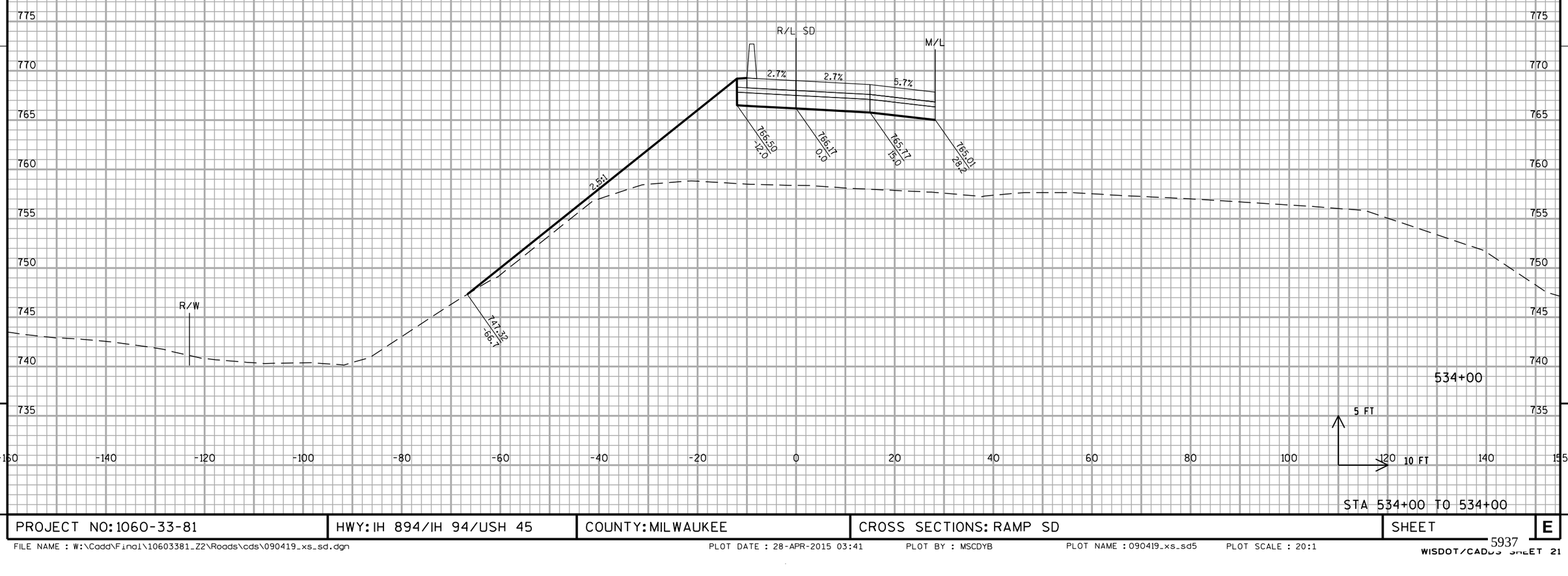
9

STA 533+50 TO 533+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



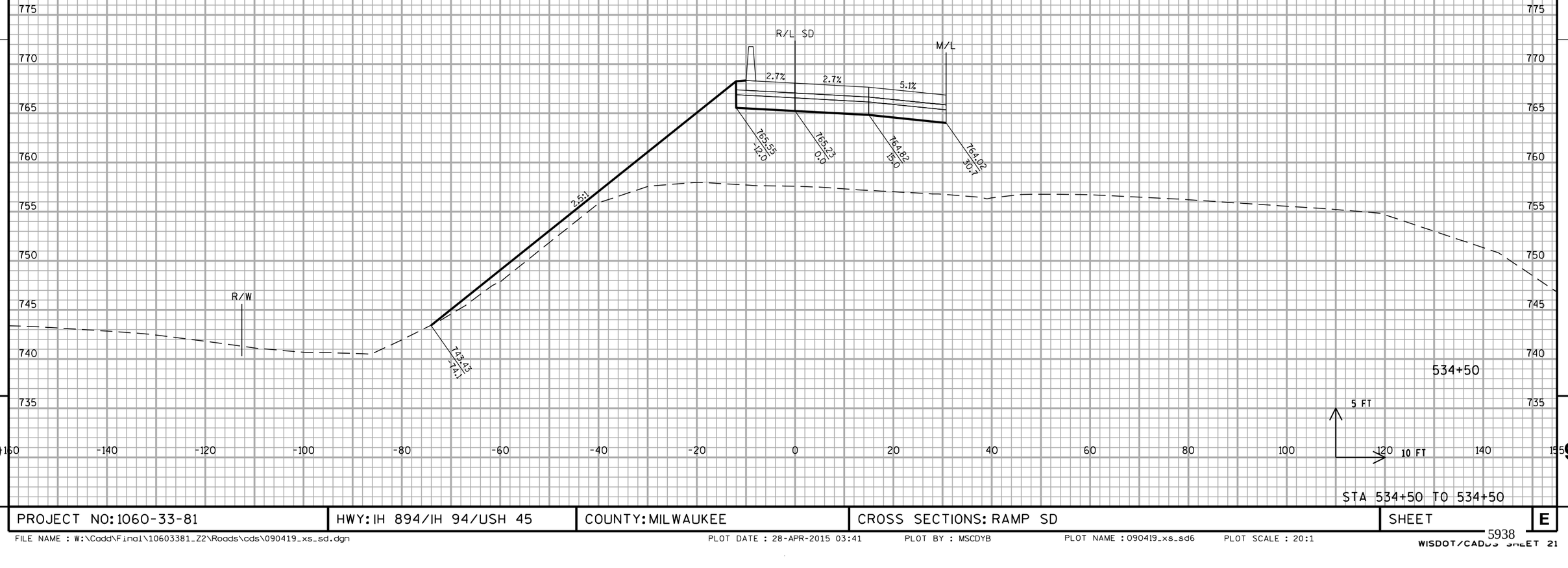
STA 534+00 TO 534+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

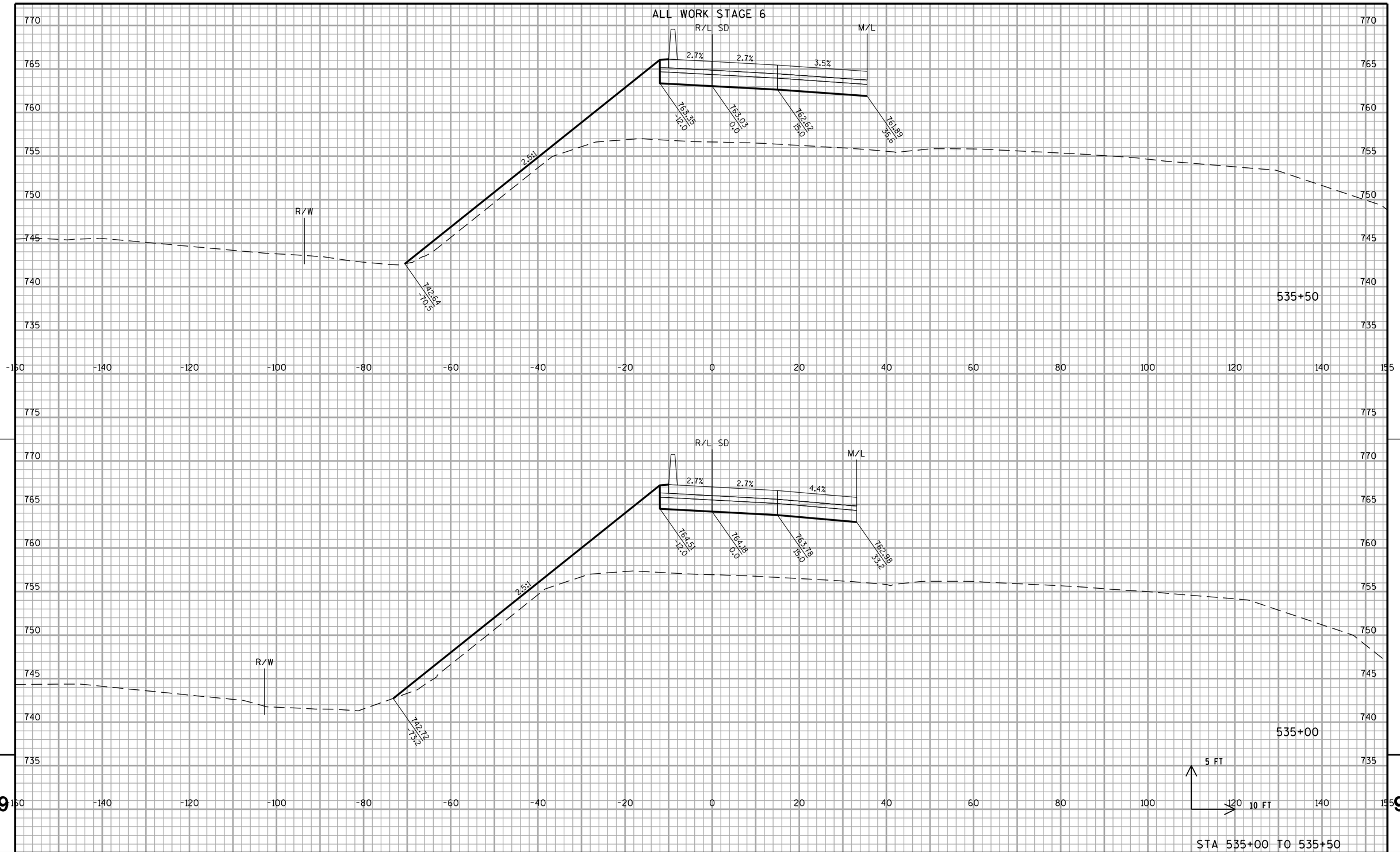
ALL WORK STAGE 6



STA 534+50 TO 534+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd6 PLOT SCALE : 20:1

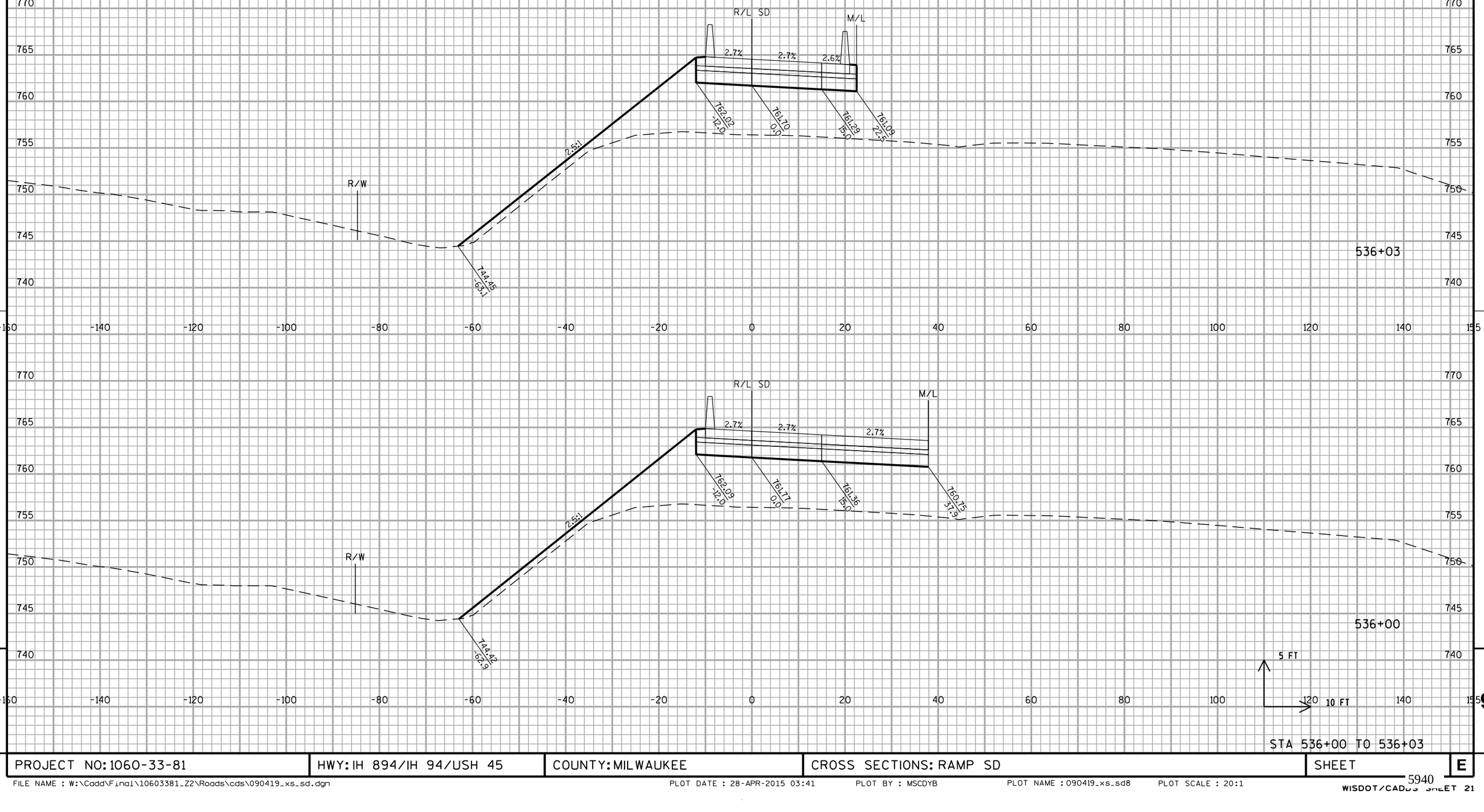


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

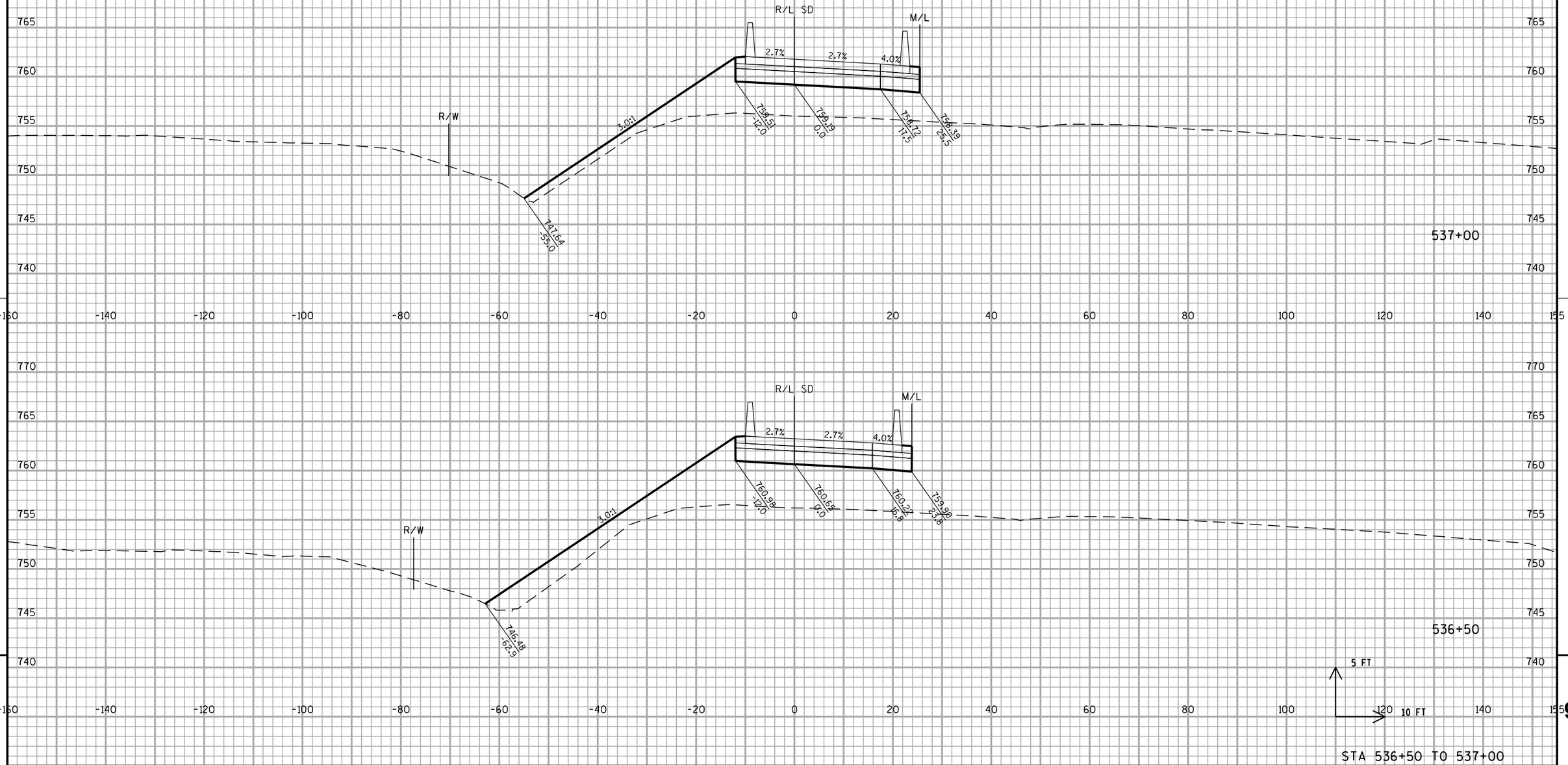


STA 536+00 TO 536+03

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd8 PLOT SCALE : 20:1

ALL WORK STAGE 6

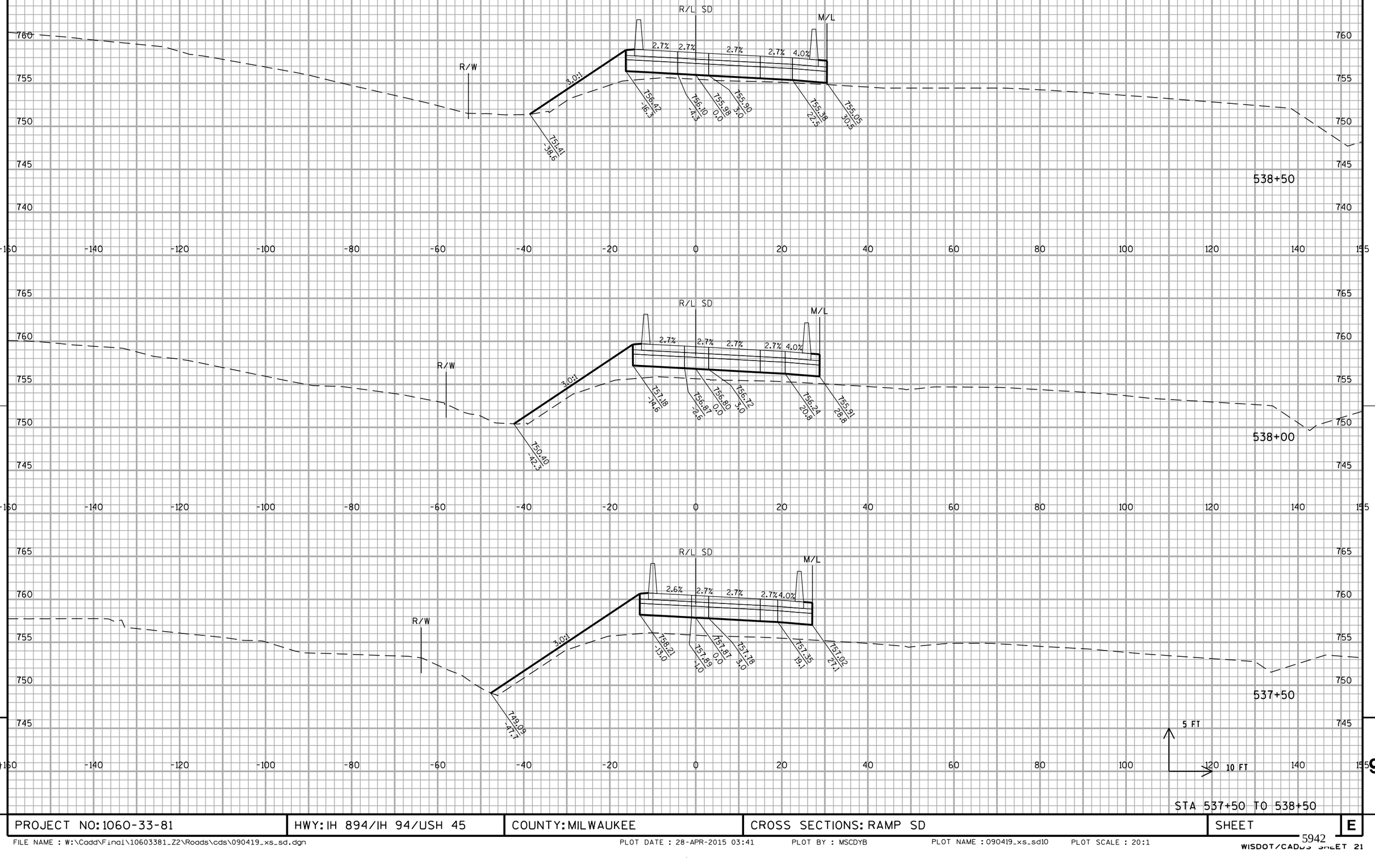


STA 536+50 TO 537+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd9 PLOT SCALE : 20:1

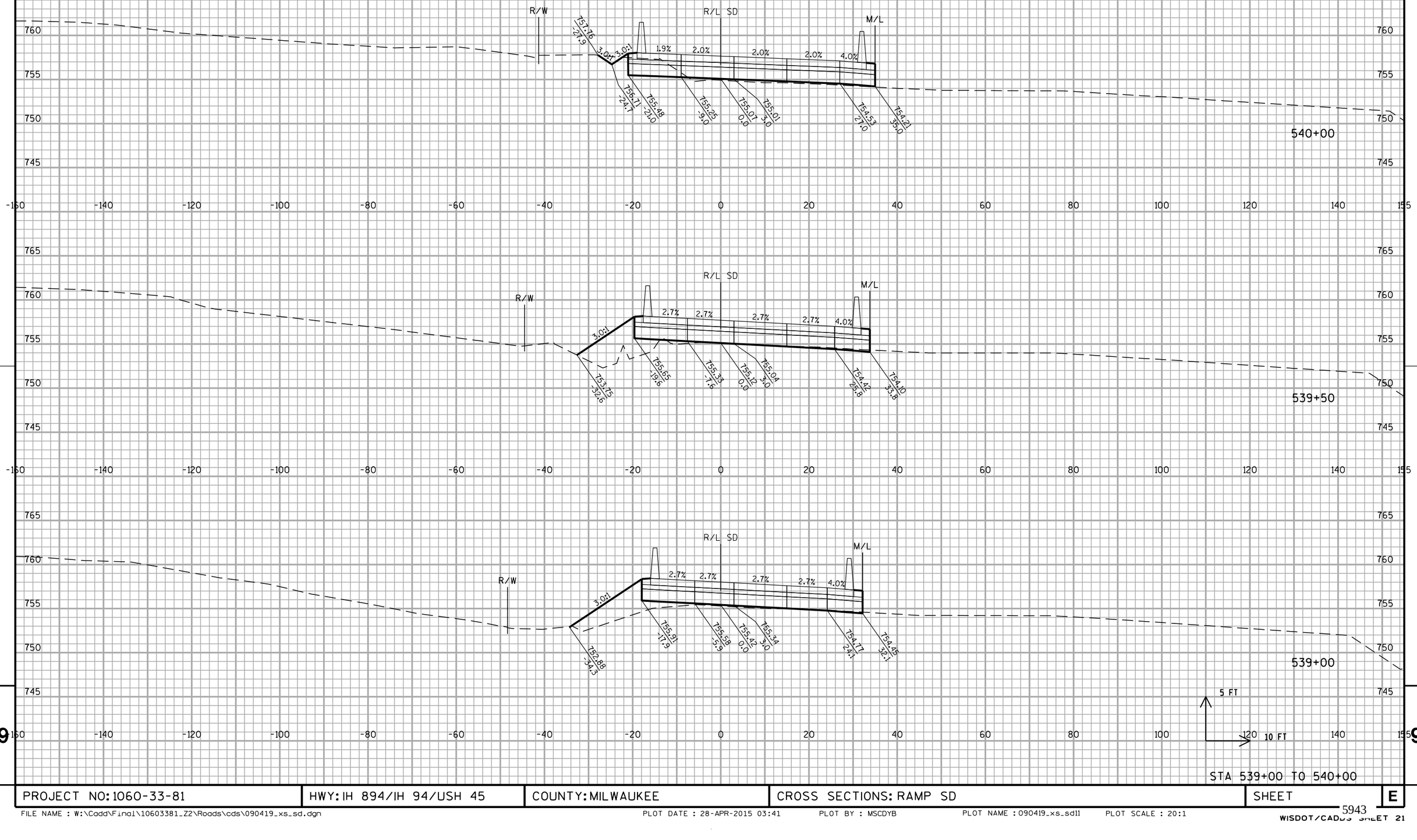
ALL WORK STAGE 6



STA 537+50 TO 538+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

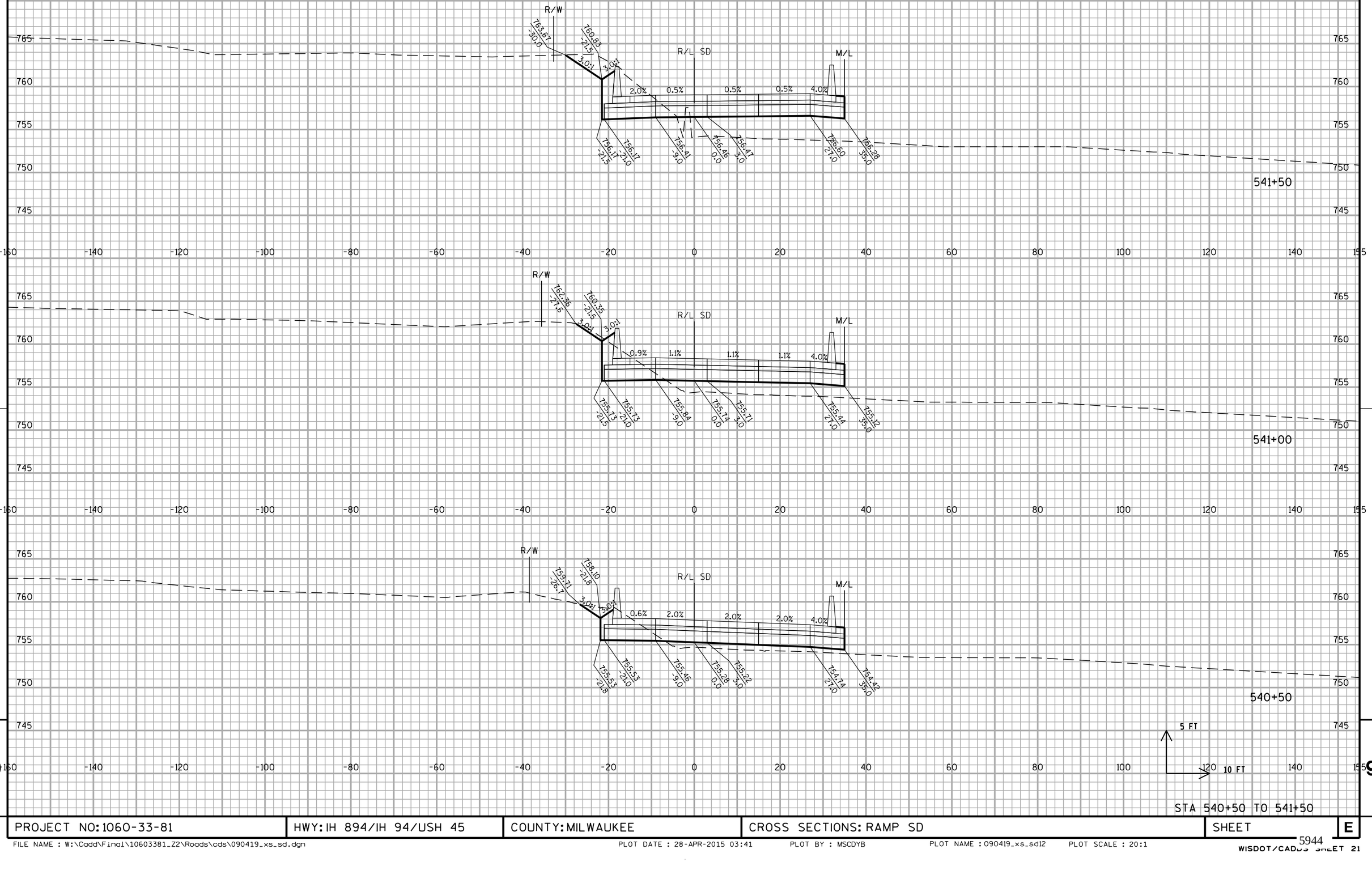
ALL WORK STAGE 6



STA 539+00 TO 540+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

ALL WORK STAGE 6

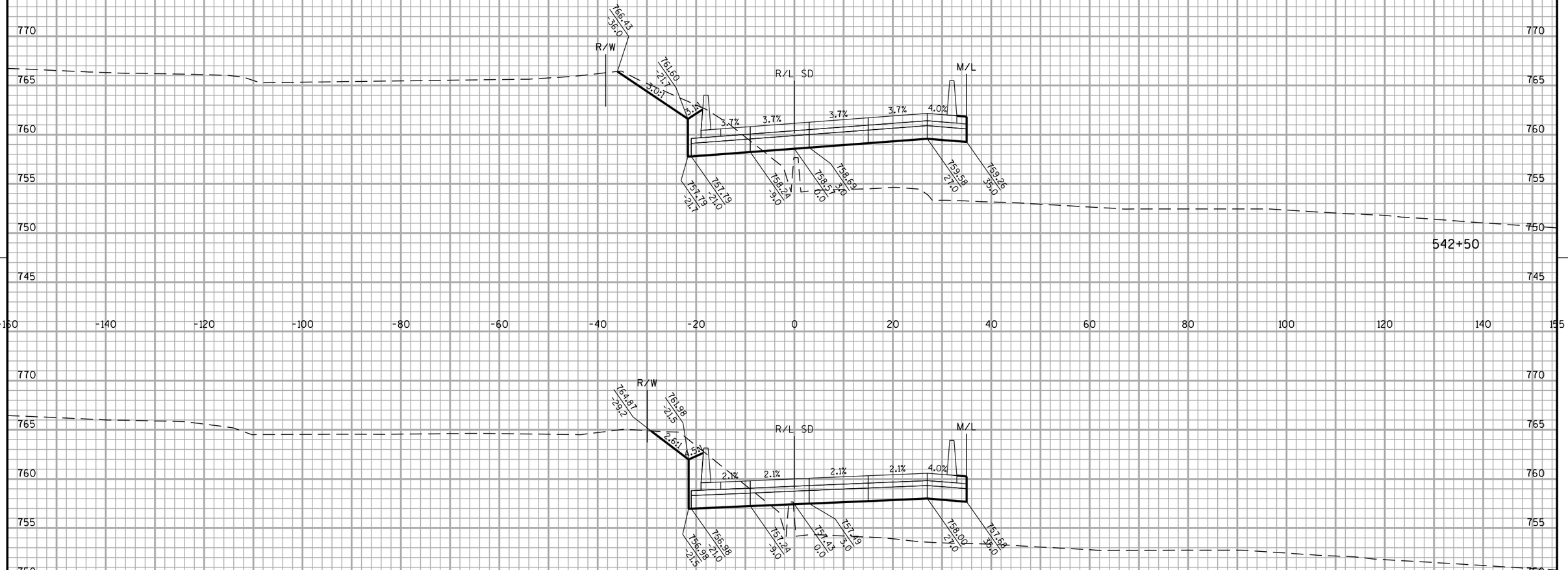


STA 540+50 TO 541+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd12 PLOT SCALE : 20:1

ALL WORK STAGE 6

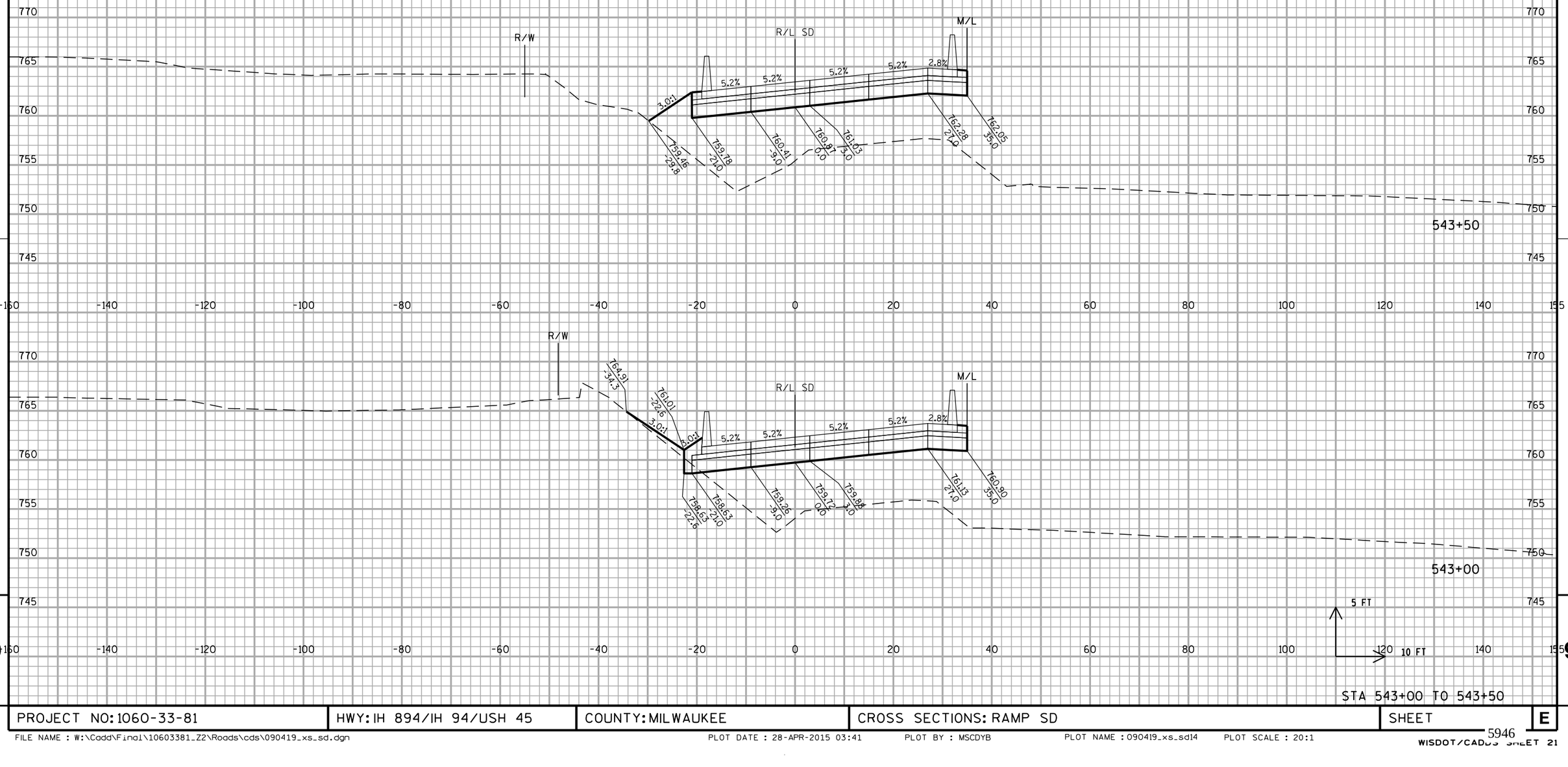


STA 542+00 TO 542+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd13 PLOT SCALE : 20:1

ALL WORK STAGE 6



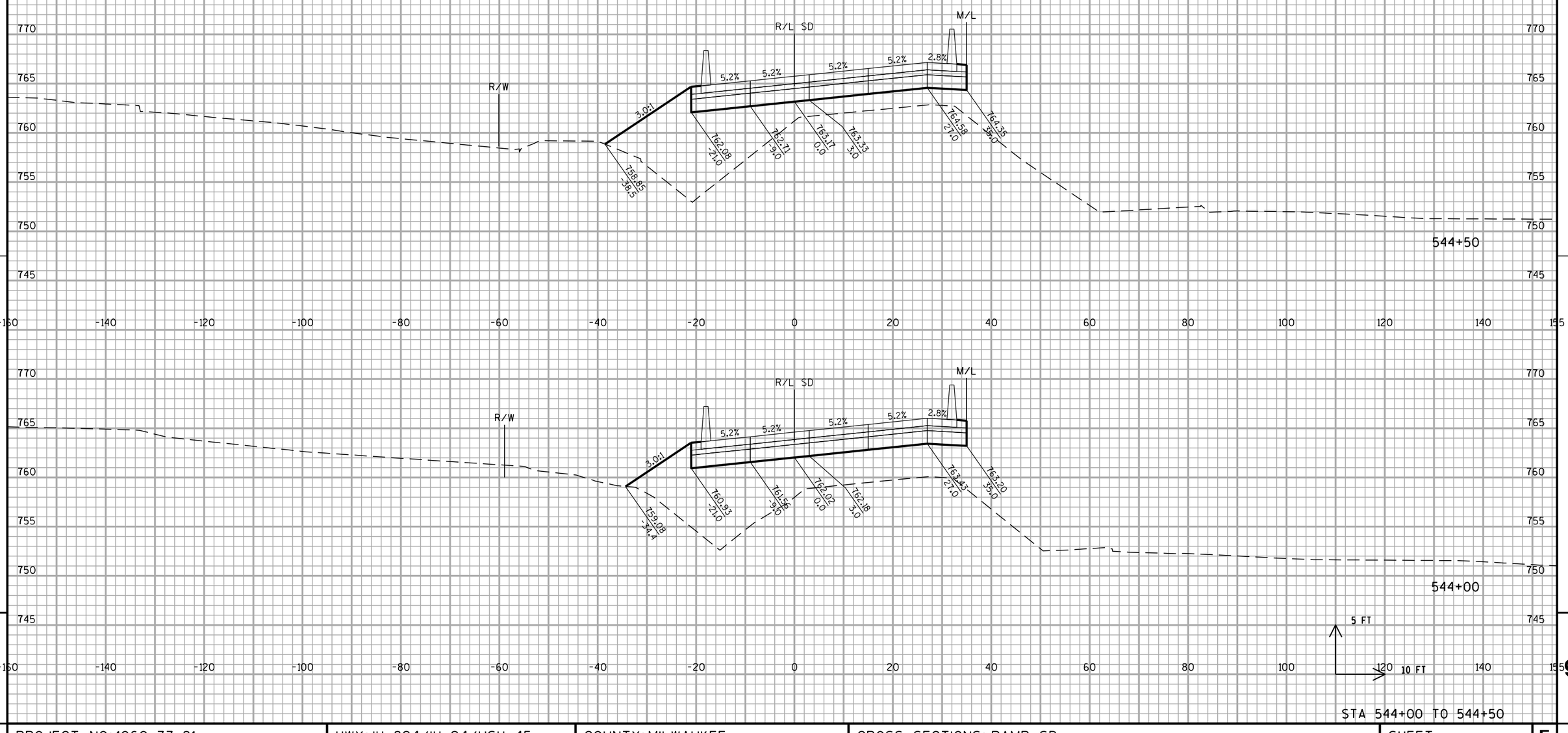
STA 543+00 TO 543+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd14 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

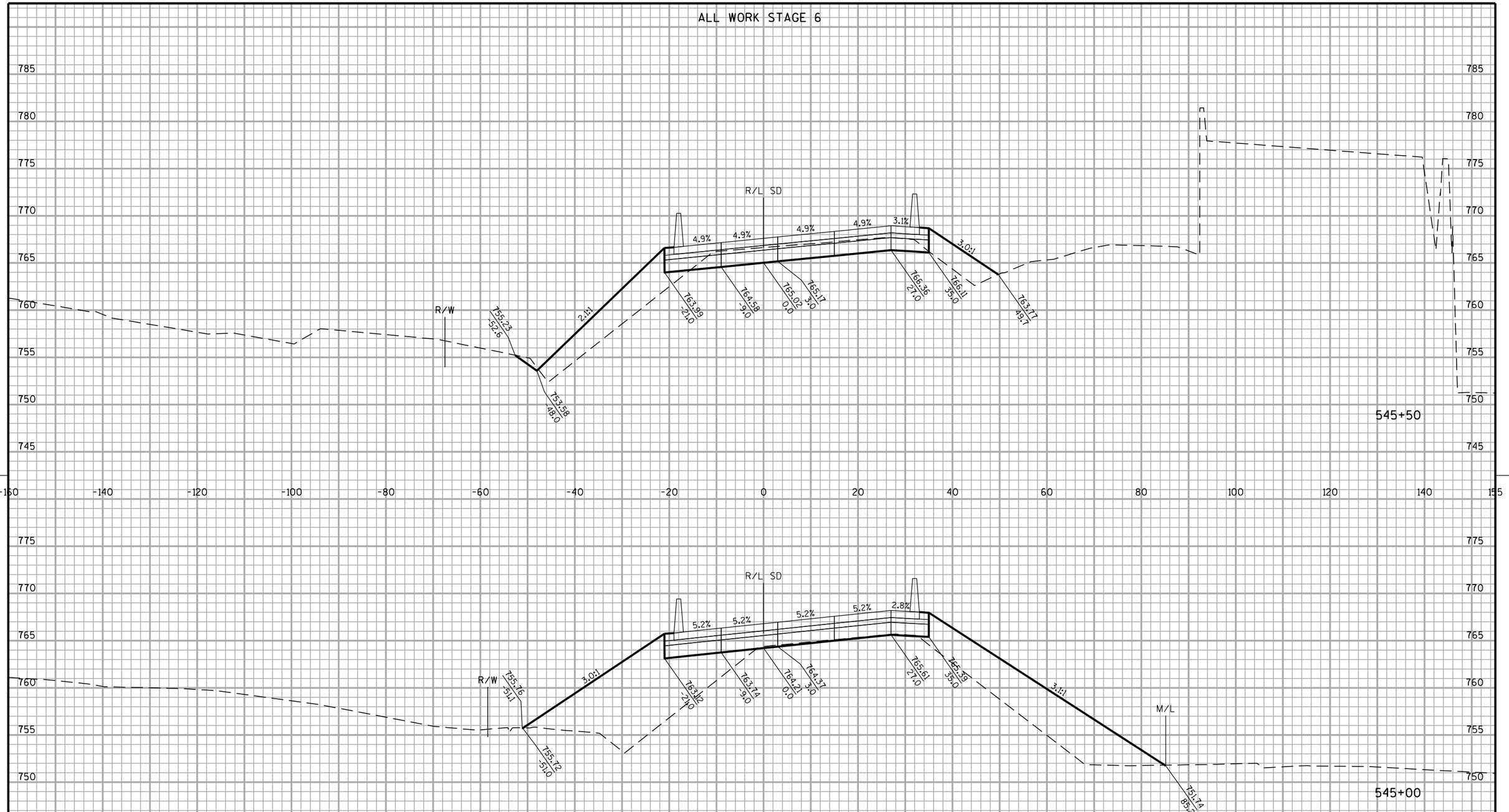


STA 544+00 TO 544+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd15 PLOT SCALE : 20:1

ALL WORK STAGE 6

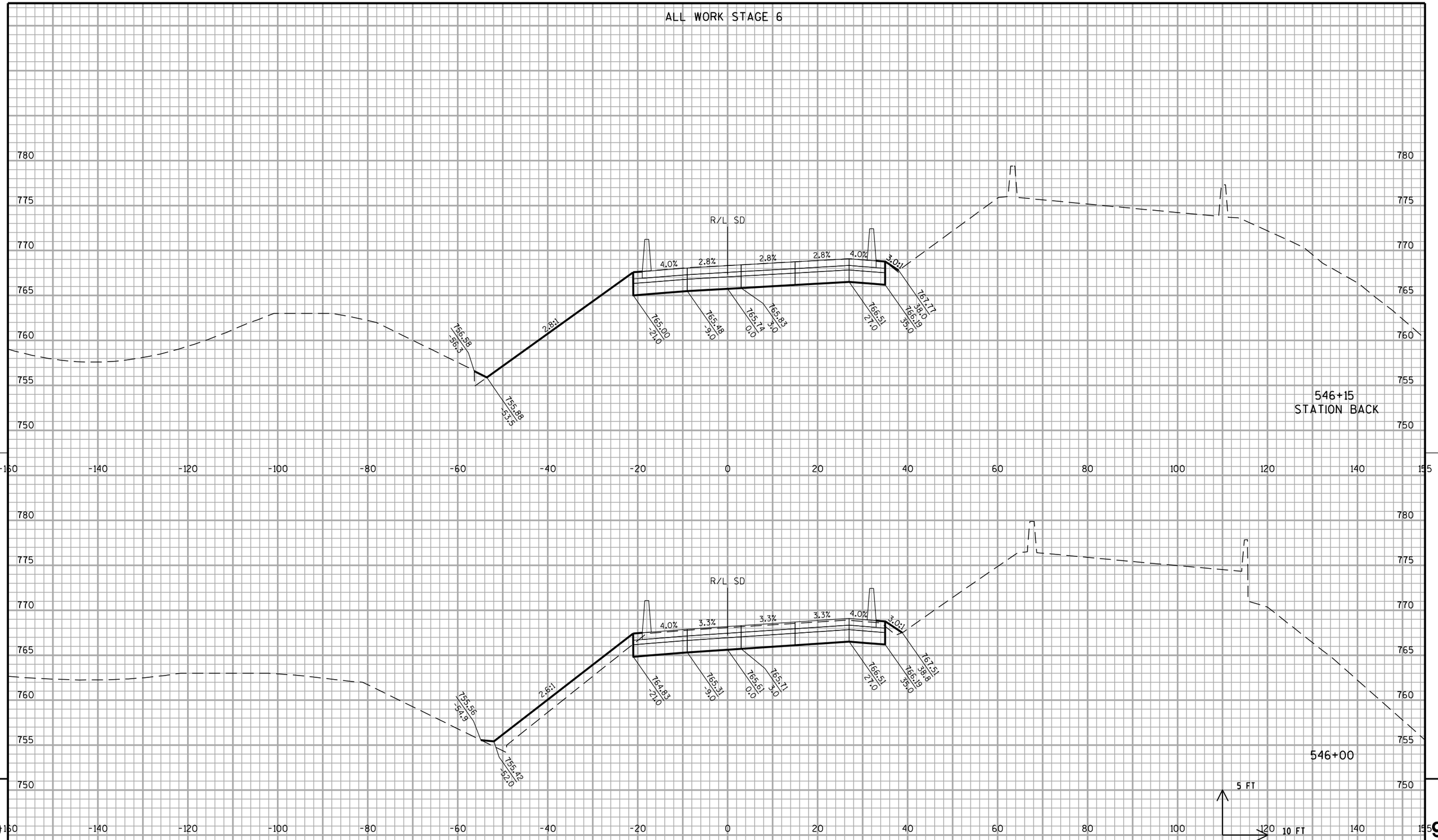


STA 545+00 TO 545+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

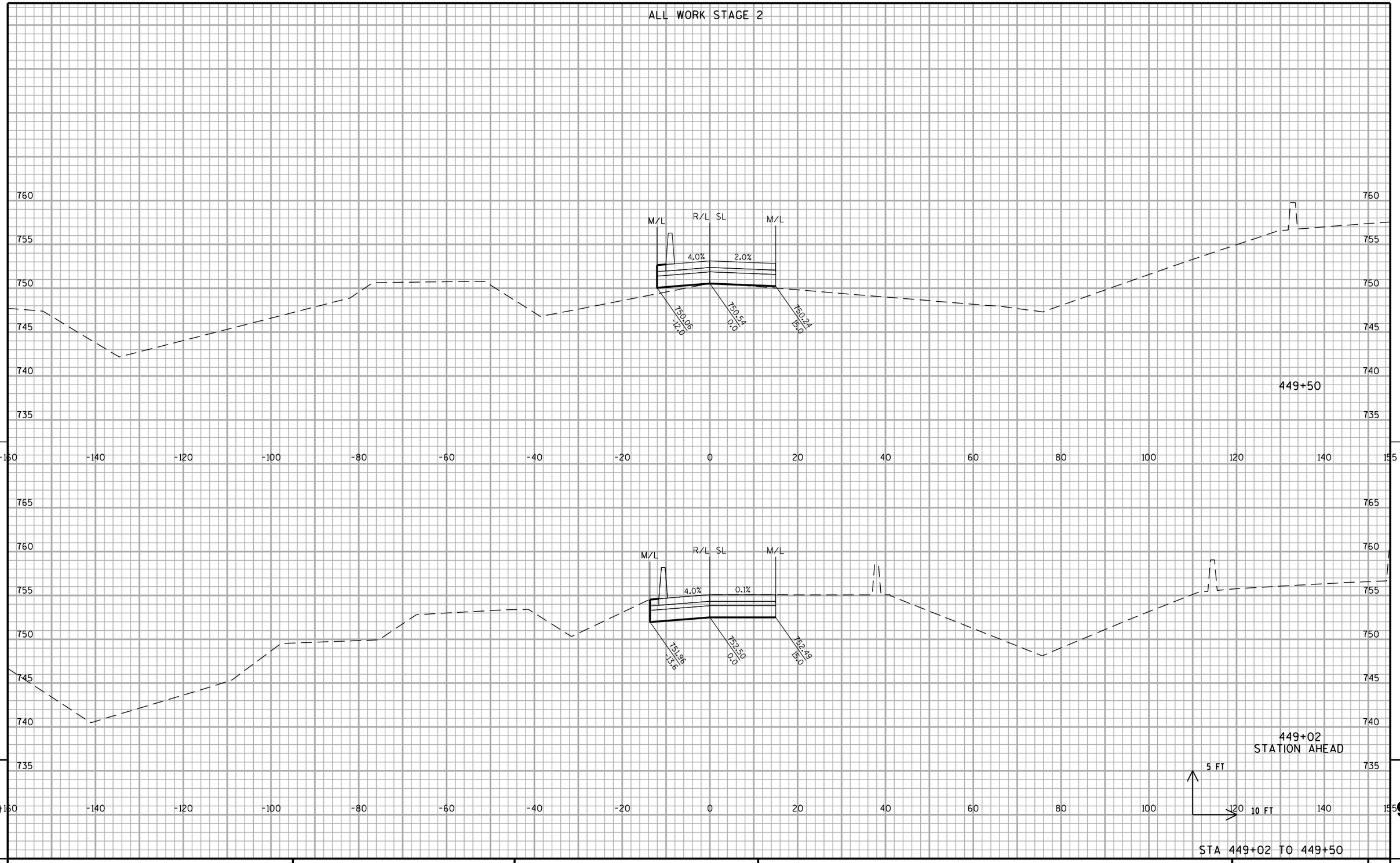
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090419_xs_sd.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090419_xs_sd16 PLOT SCALE : 20:1

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SD	SHEET	E

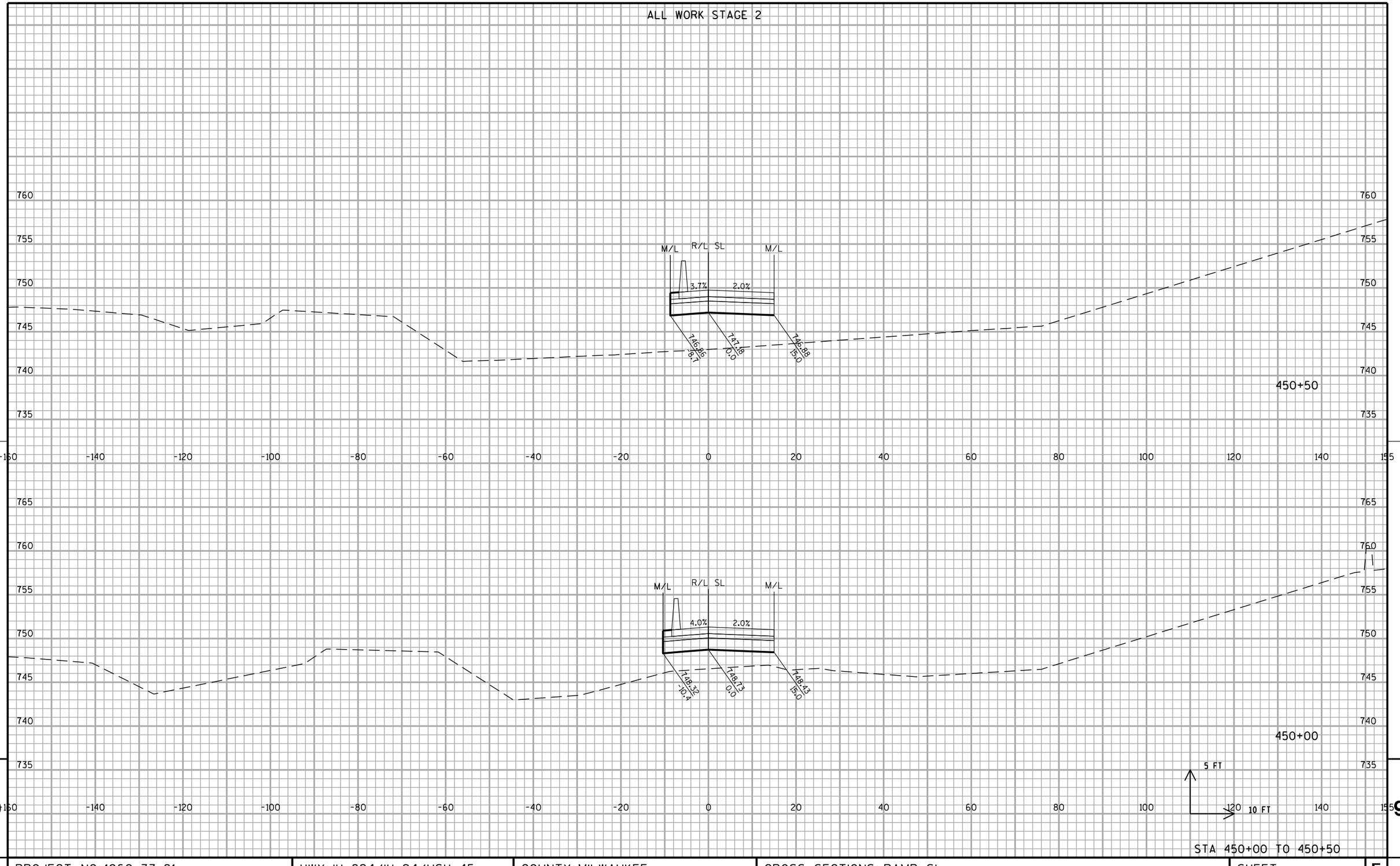
ALL WORK STAGE 2



STA 449+02 TO 449+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

ALL WORK STAGE 2



STA 450+00 TO 450+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

760 755 750 745 740 735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

M/L R/L SL M/L

1.9% 2.0% 3.1%

745.47 7.9 | 745.03 0.0 | 744.73 15.0 | 744.34 27.1

451+41

760 755 750 745 740 735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

M/L R/L SL M/L

0.2% 2.0%

745.81 8.0 | 745.69 0.0 | 745.59 15.0

451+00

5 FT

10 FT

STA 451+00 TO 451+41

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl2 PLOT SCALE : 20:1

ALL WORK STAGE 2

760
755
750
745
740
735

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160

M/L R/L SL M/L

4.4% 4.4% 4.4%

744.38 -7.0

744.08 0.0

742.90 27.0

452+00

M/L R/L SL M/L

2.3% 2.3% 3.7%

746.02 -7.0

744.86 0.0

744.51 15.0

744.06 27.5

451+50

5 FT

10 FT

STA 451+50 TO 452+00

9

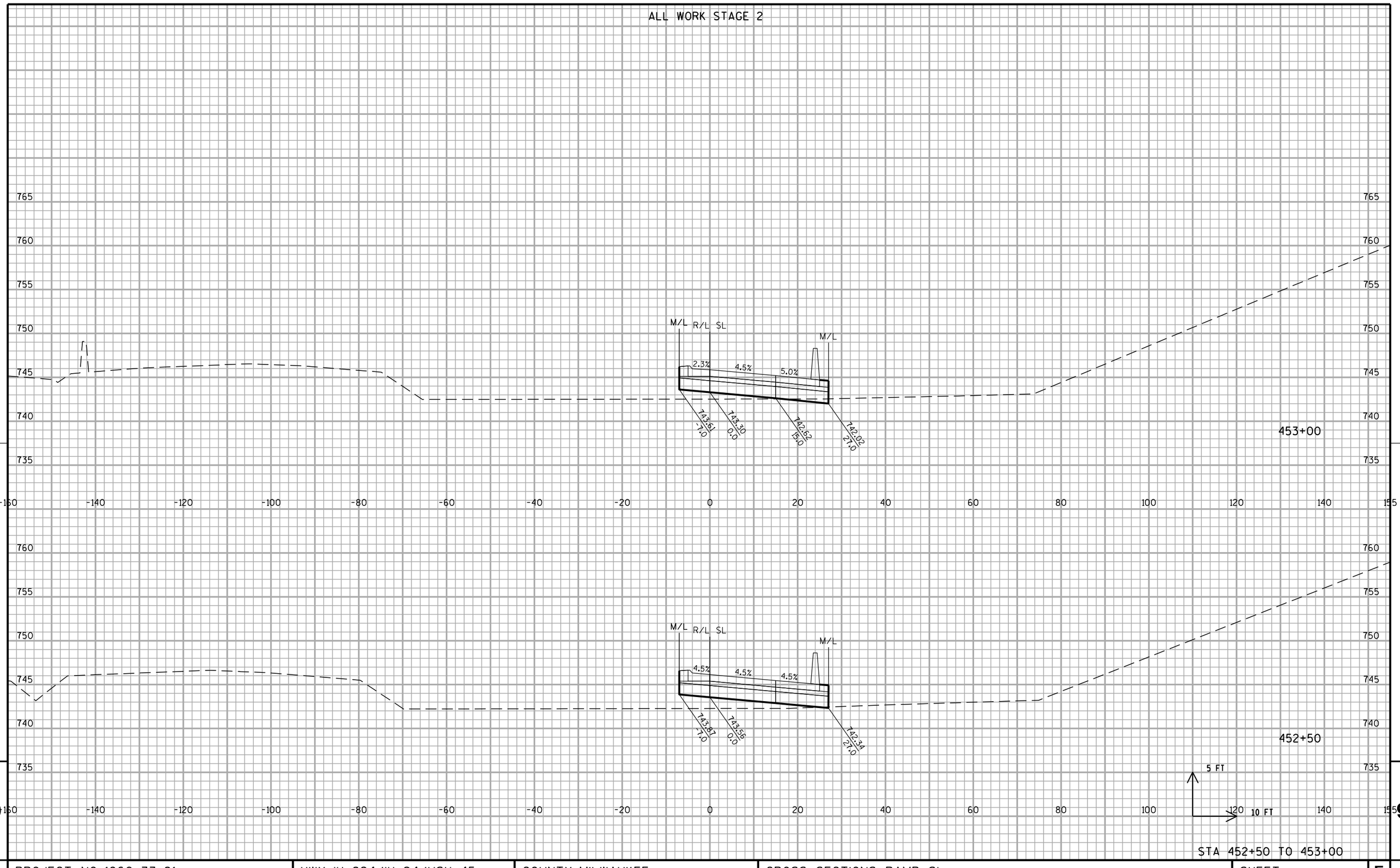
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



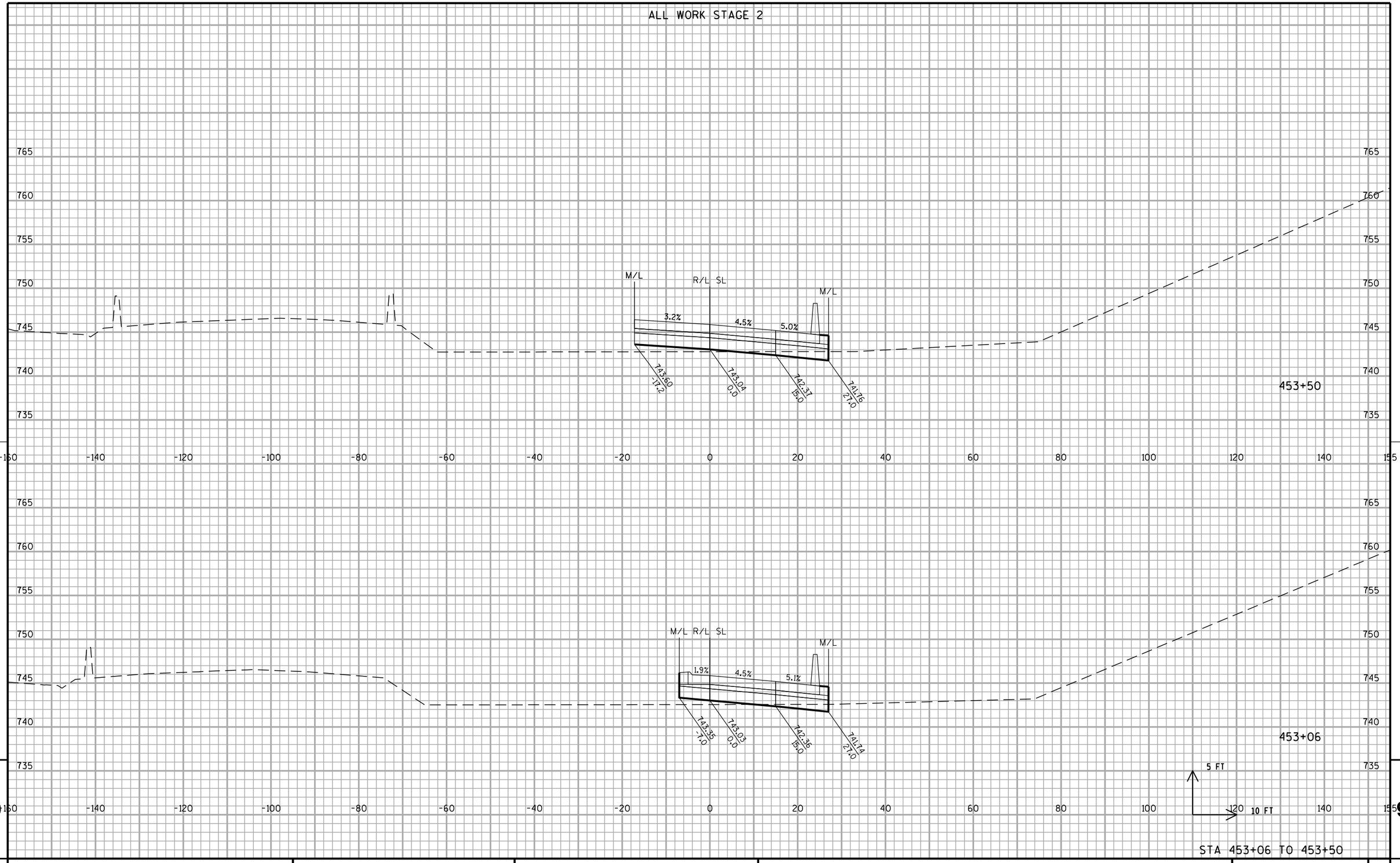
STA 452+50 TO 453+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



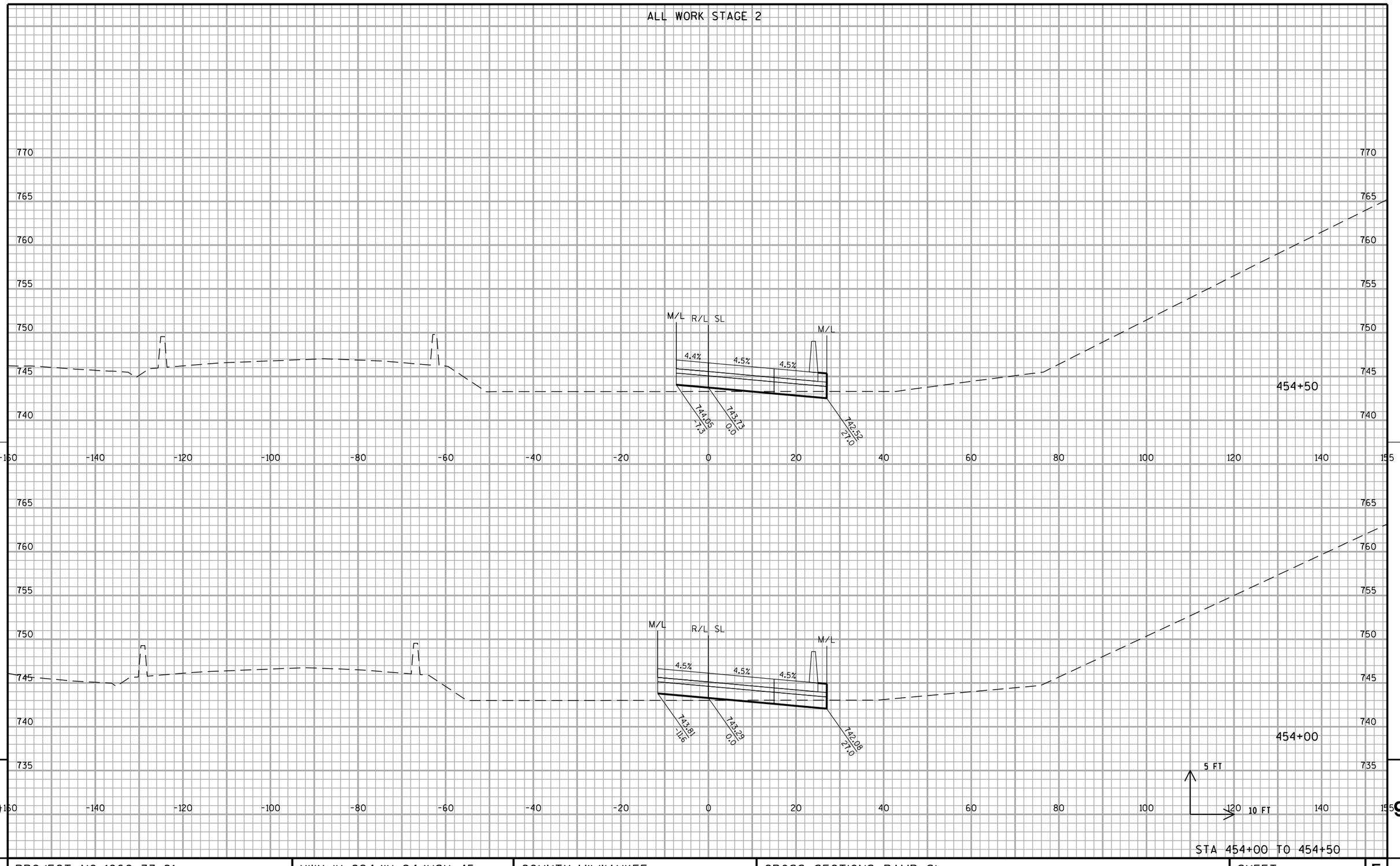
STA 453+06 TO 453+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

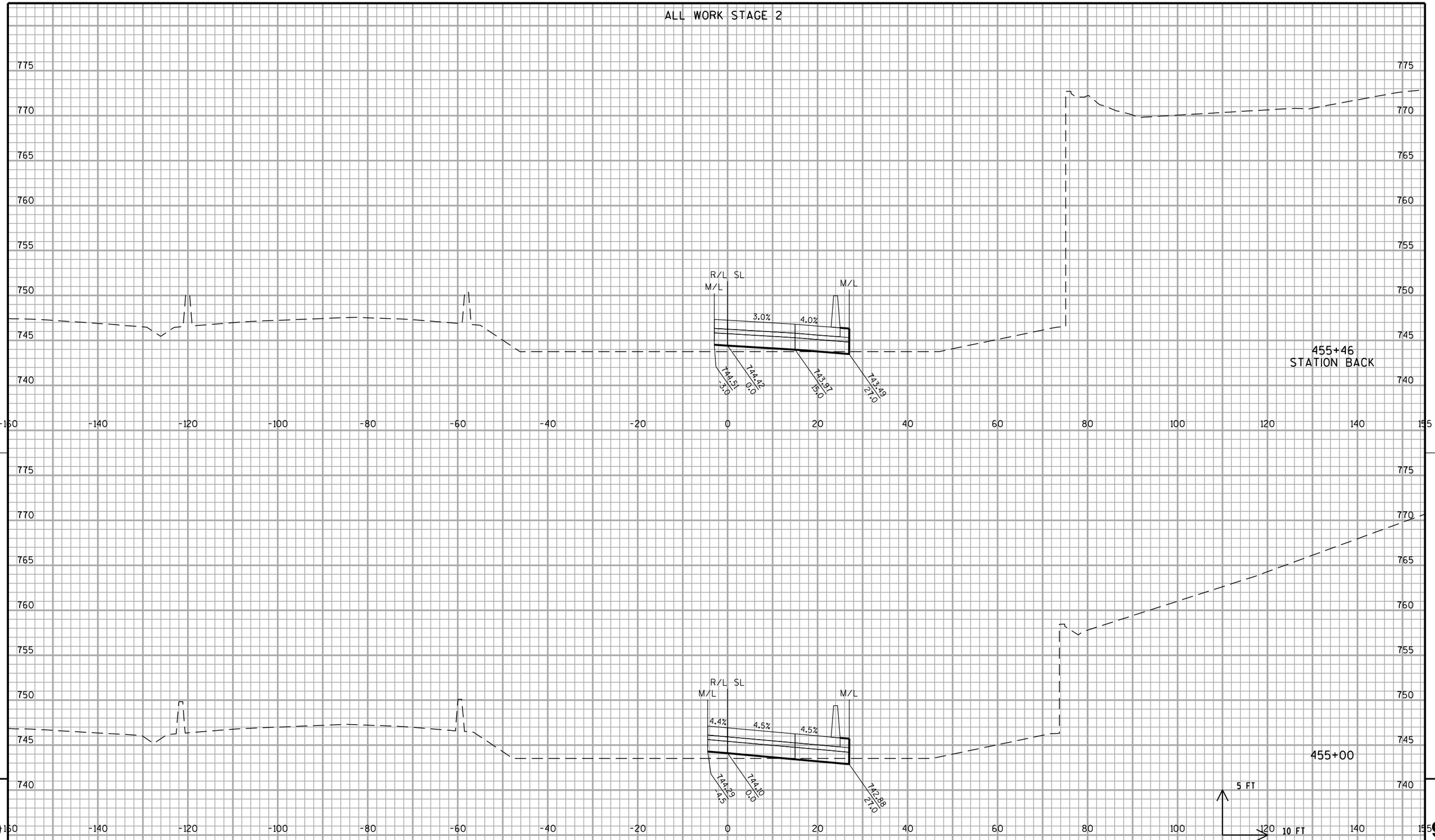


STA 454+00 TO 454+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl6 PLOT SCALE : 20:1

ALL WORK STAGE 2

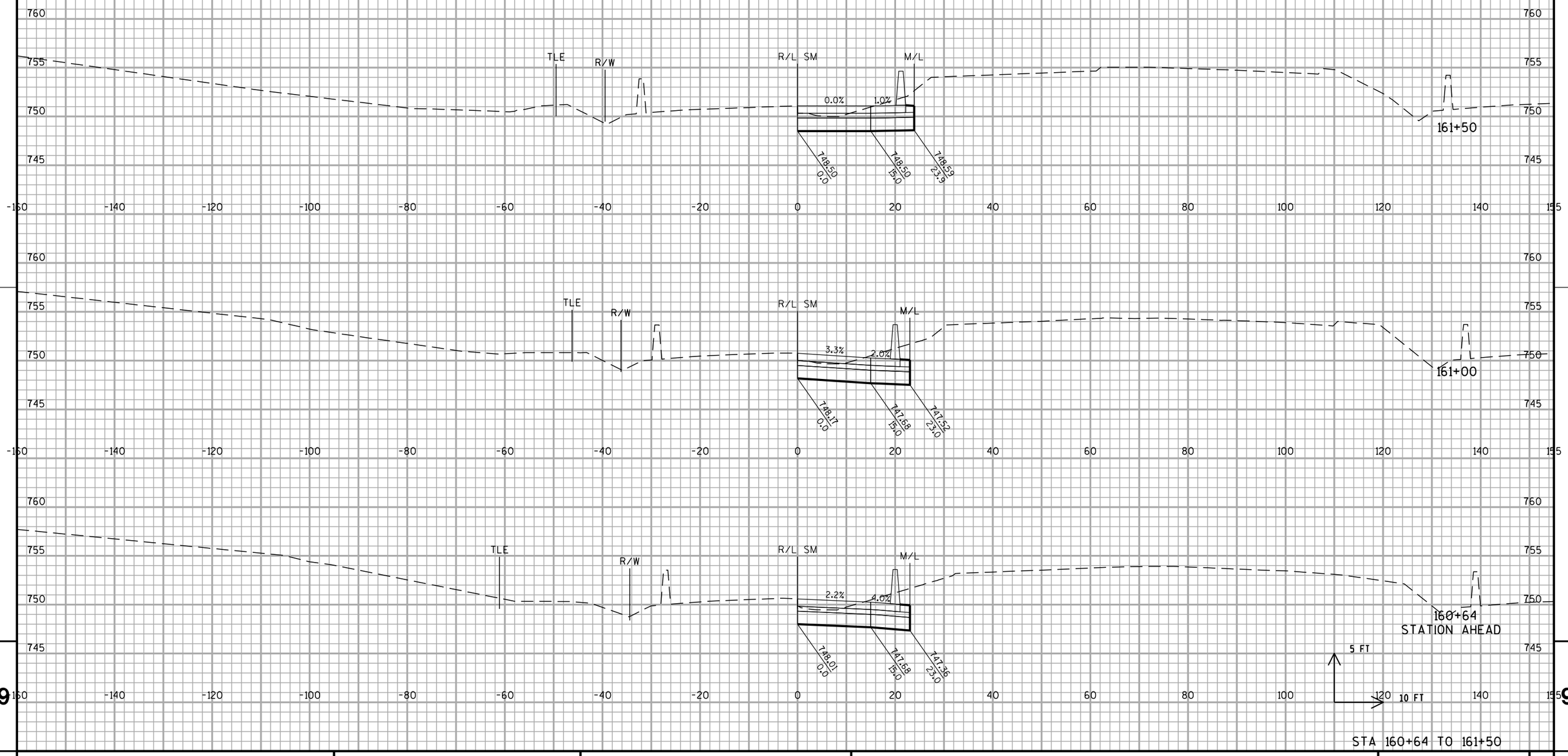


STA 455+00 TO 455+46

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090420_xs_sl.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090420_xs_sl7 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 160+64 TO 161+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090421_xs_sm.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090421_xs_sm PLOT SCALE : 20:1

ALL WORK STAGE 6

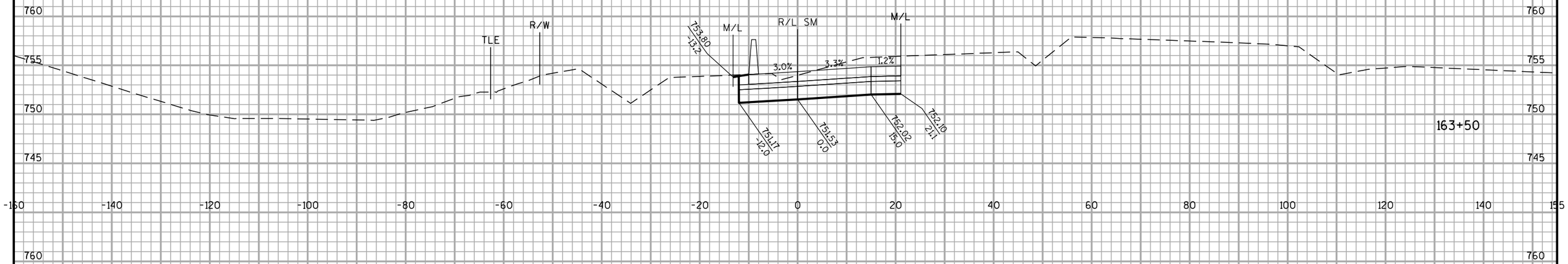
STA 161+62 TO 162+50

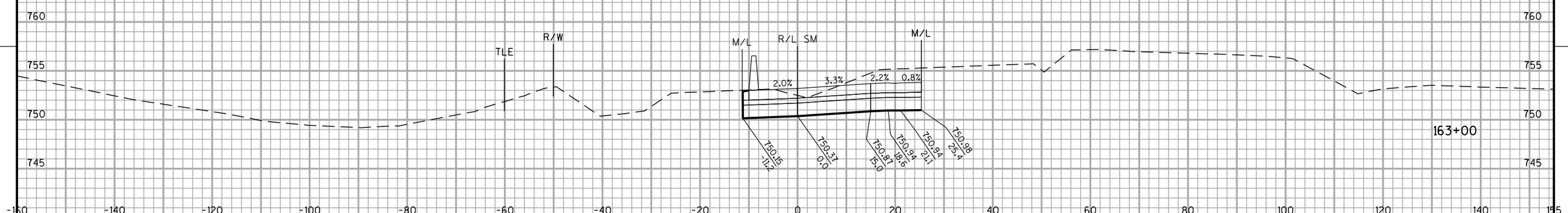
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SM	SHEET	E

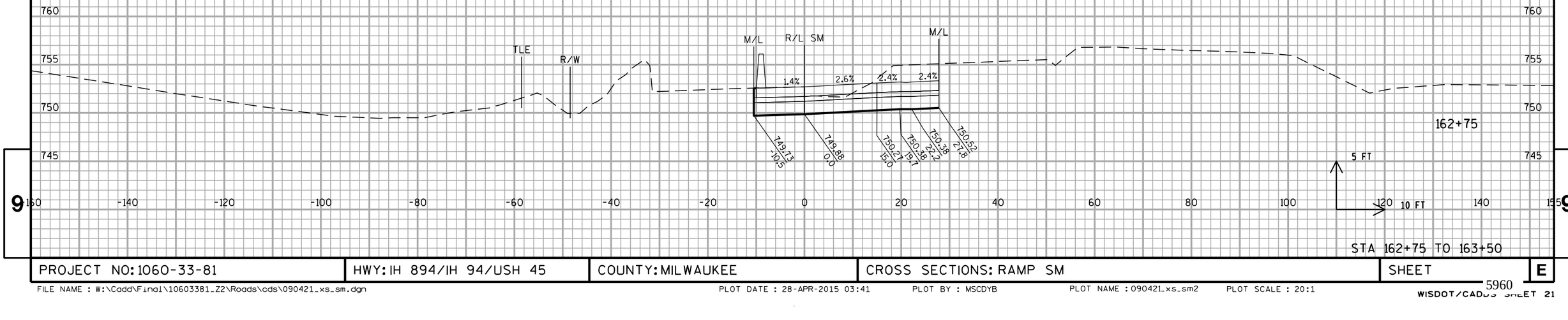
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WISDOT/CADDS SHEET 21

ALL WORK STAGE 6







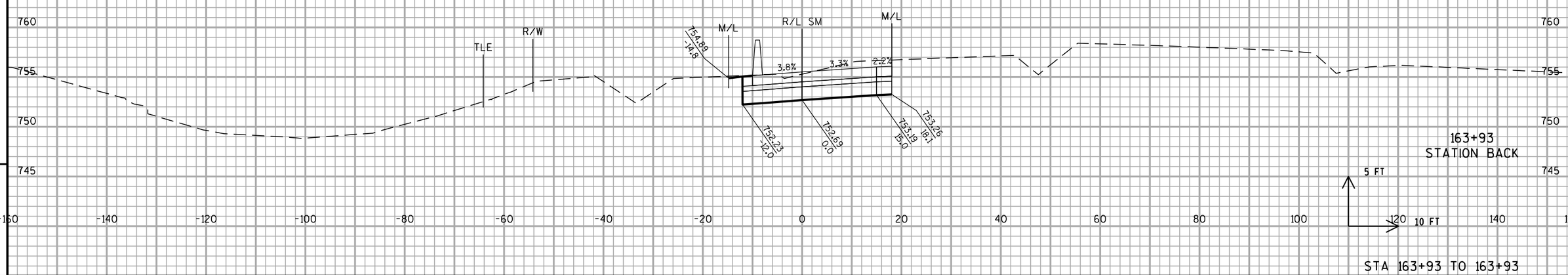
STA 162+75 TO 163+50

9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SM	SHEET	E

ALL WORK STAGE 6

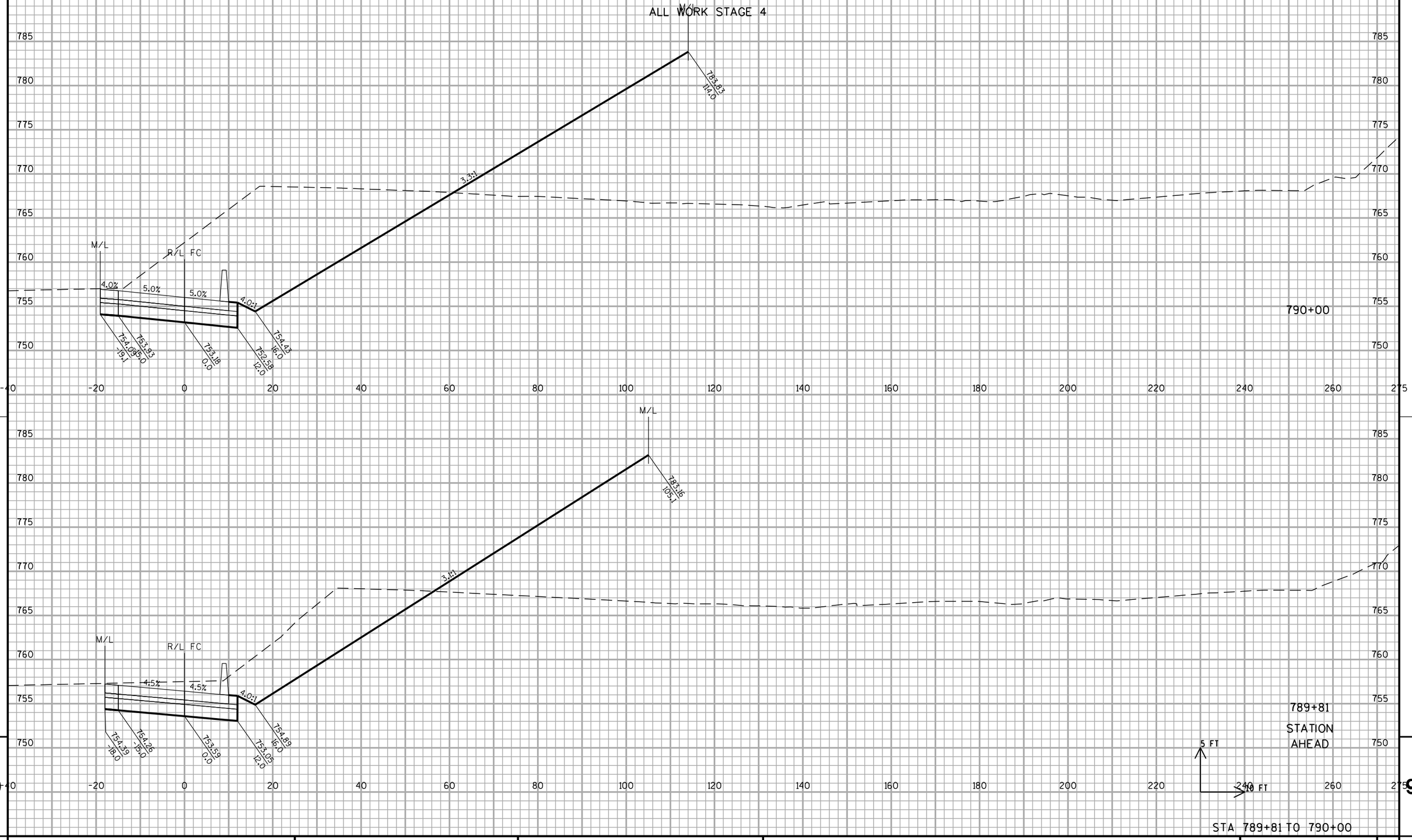


STA 163+93 TO 163+93

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090421_xs_sm.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090421_xs_sm3 PLOT SCALE : 20:1

ALL WORK STAGE 4



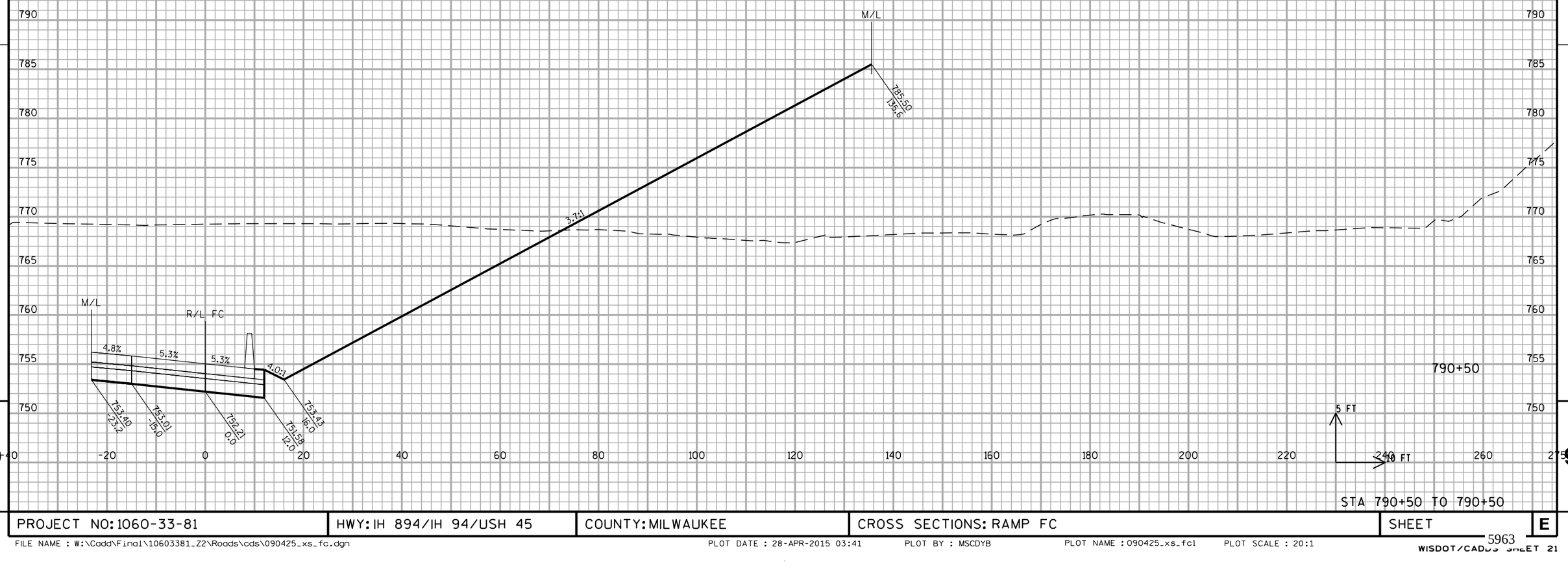
STA 789+81 TO 790+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4



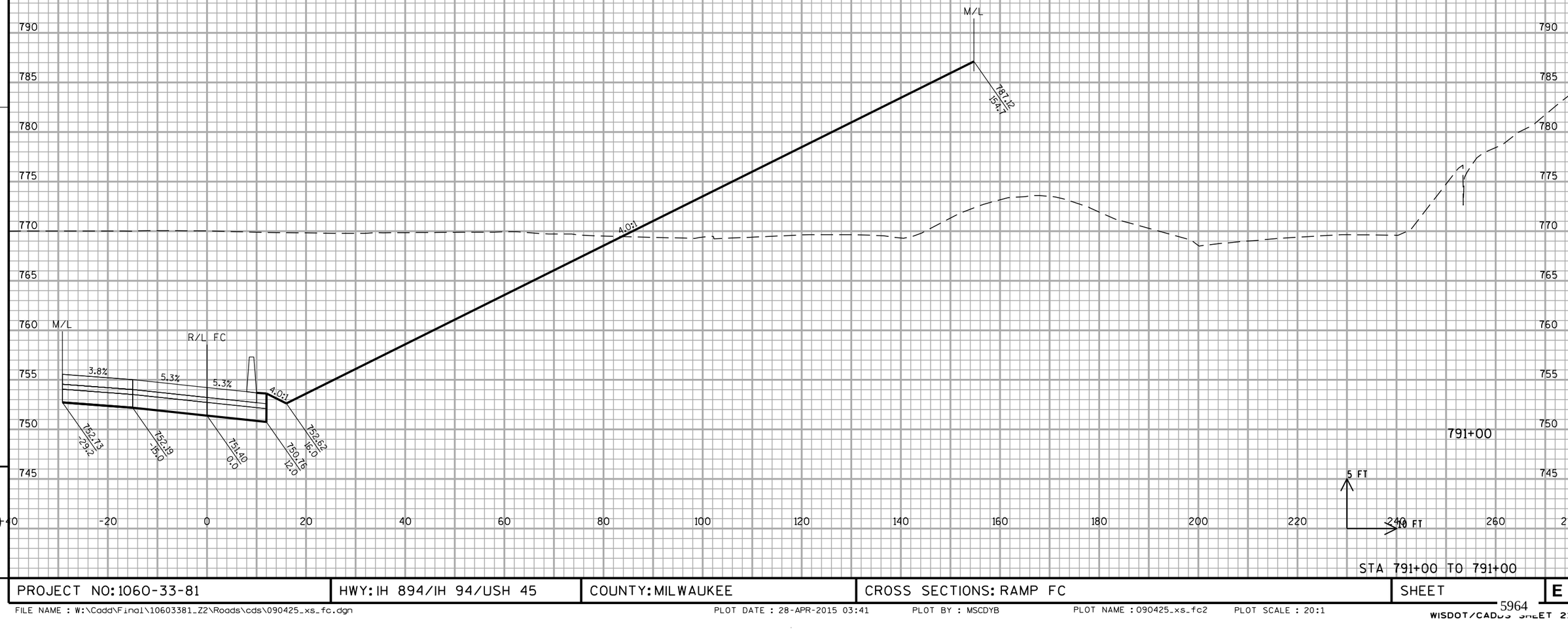
STA 790+50 TO 790+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

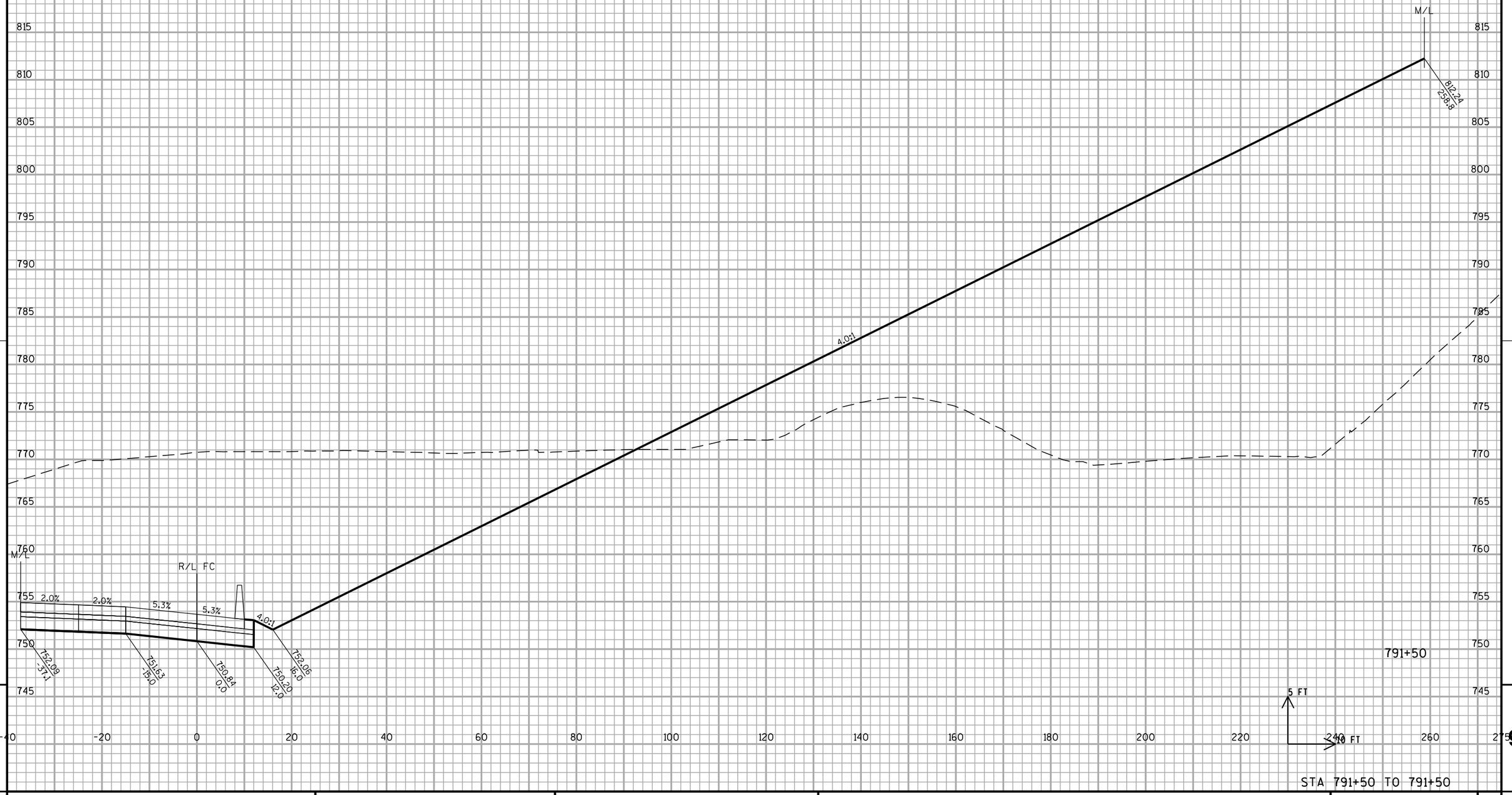


STA 791+00 TO 791+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc2 PLOT SCALE : 20:1

ALL WORK STAGE 4

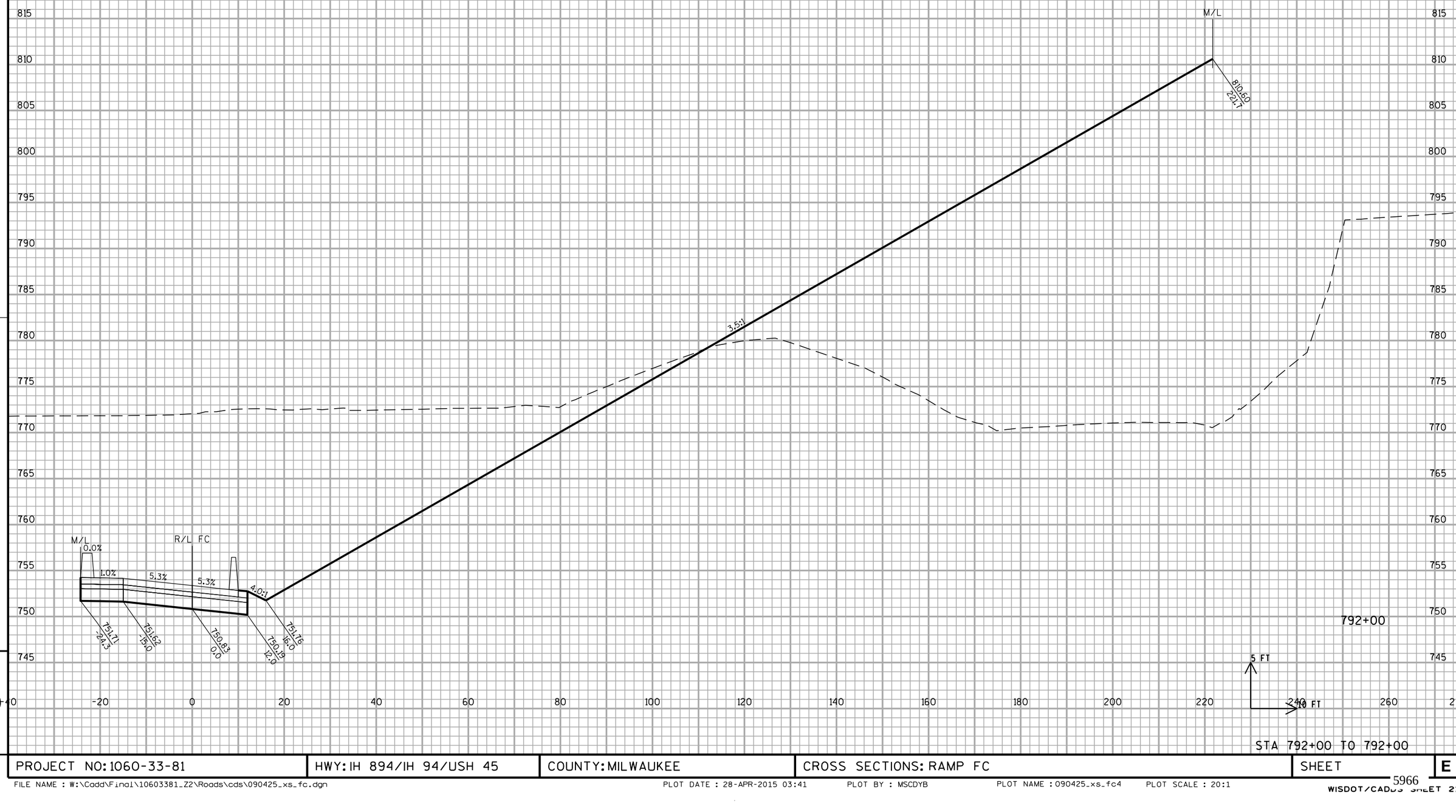


STA 791+50 TO 791+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc3 PLOT SCALE : 20:1

ALL WORK STAGE 4

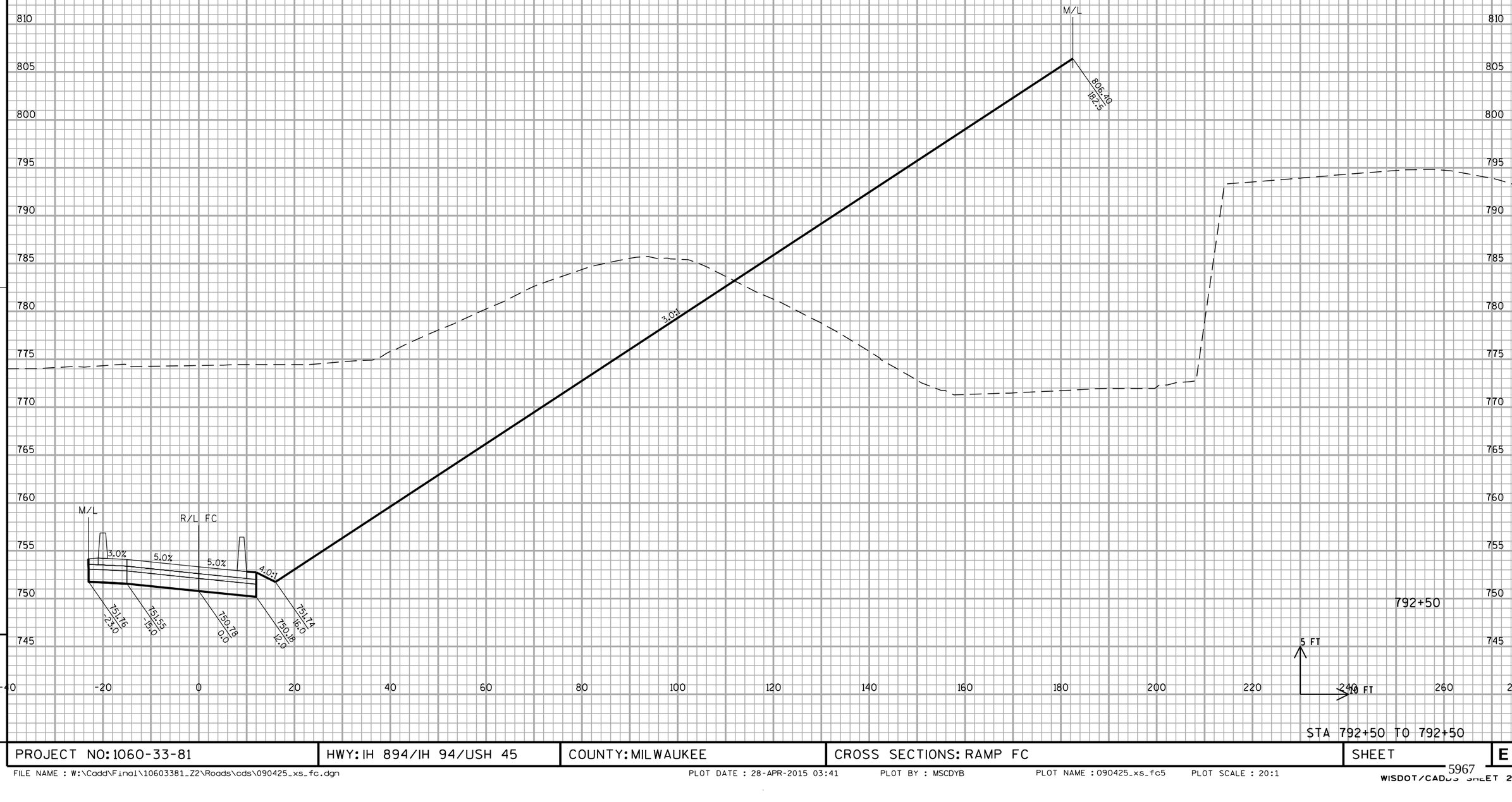


STA 792+00 TO 792+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc4 PLOT SCALE : 20:1

ALL WORK STAGE 4

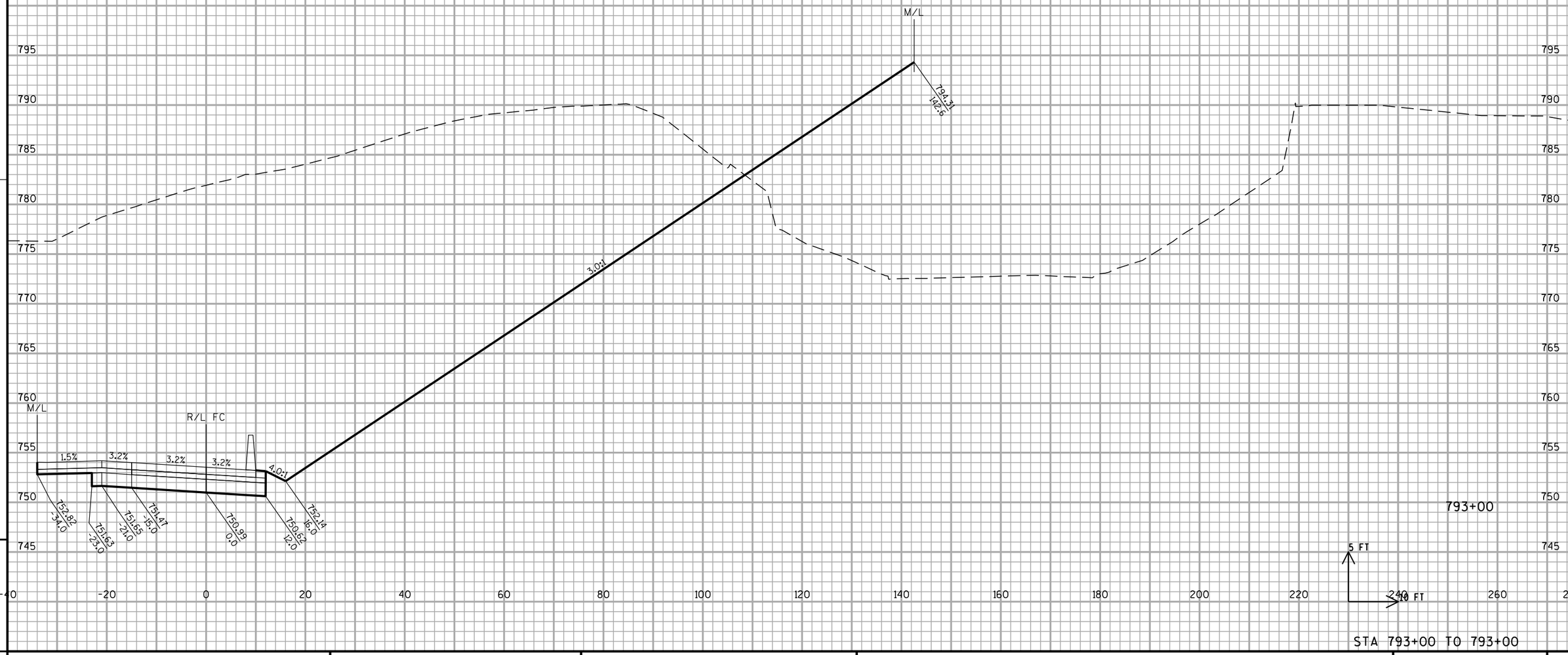


STA 792+50 TO 792+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc5 PLOT SCALE : 20:1

ALL WORK STAGE 6



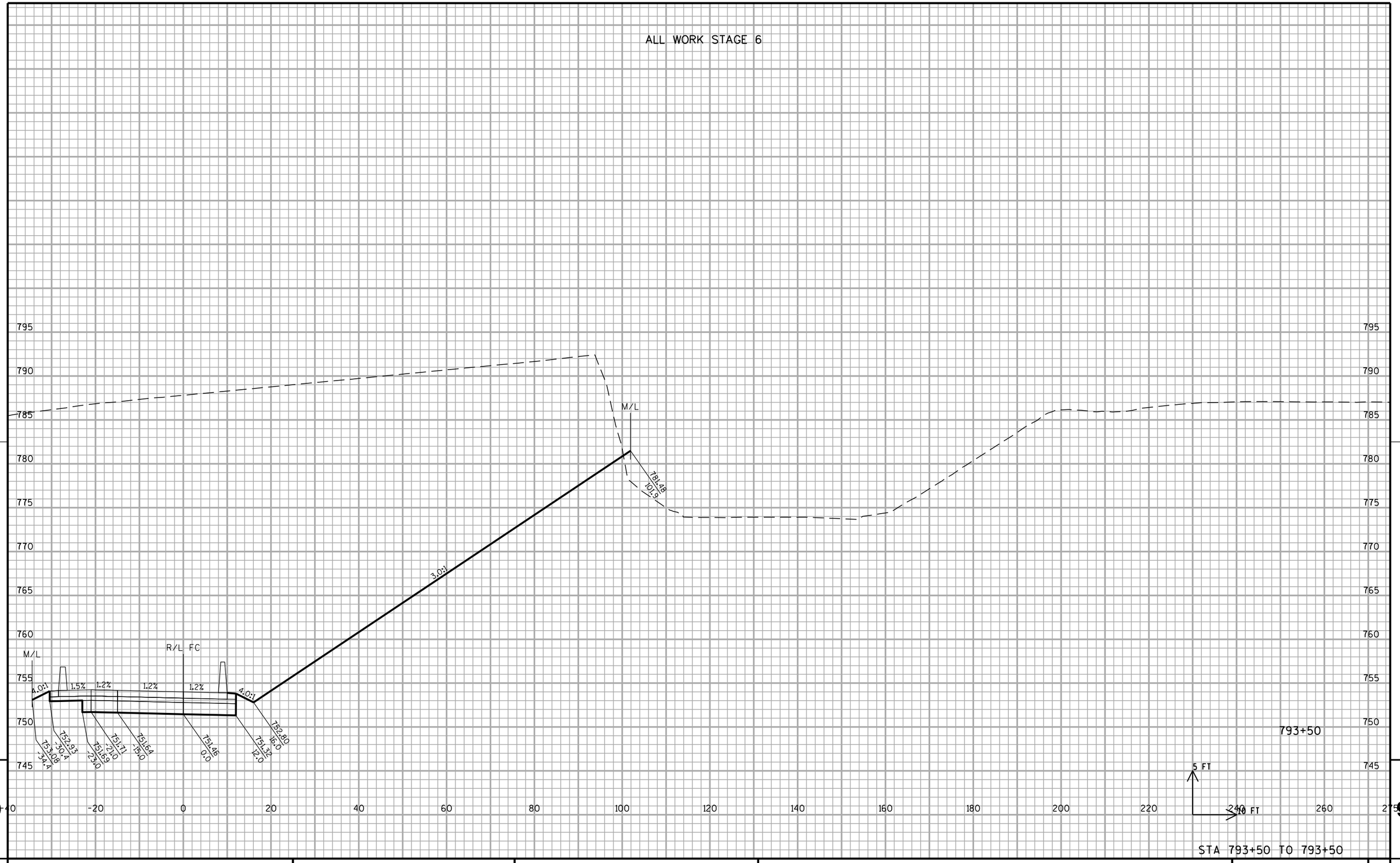
STA 793+00 TO 793+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



9

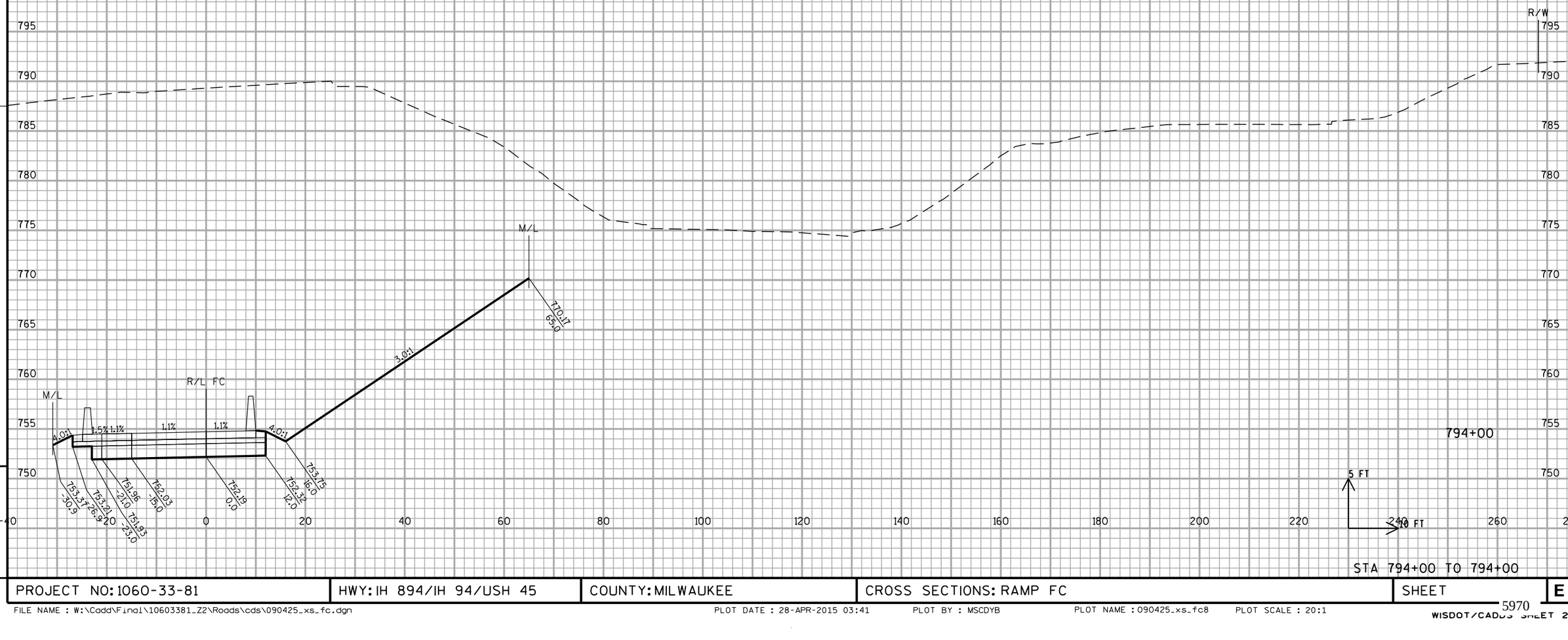
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

STA 793+50 TO 793+50

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc7 PLOT SCALE : 20:1

ALL WORK STAGE 6



9

9

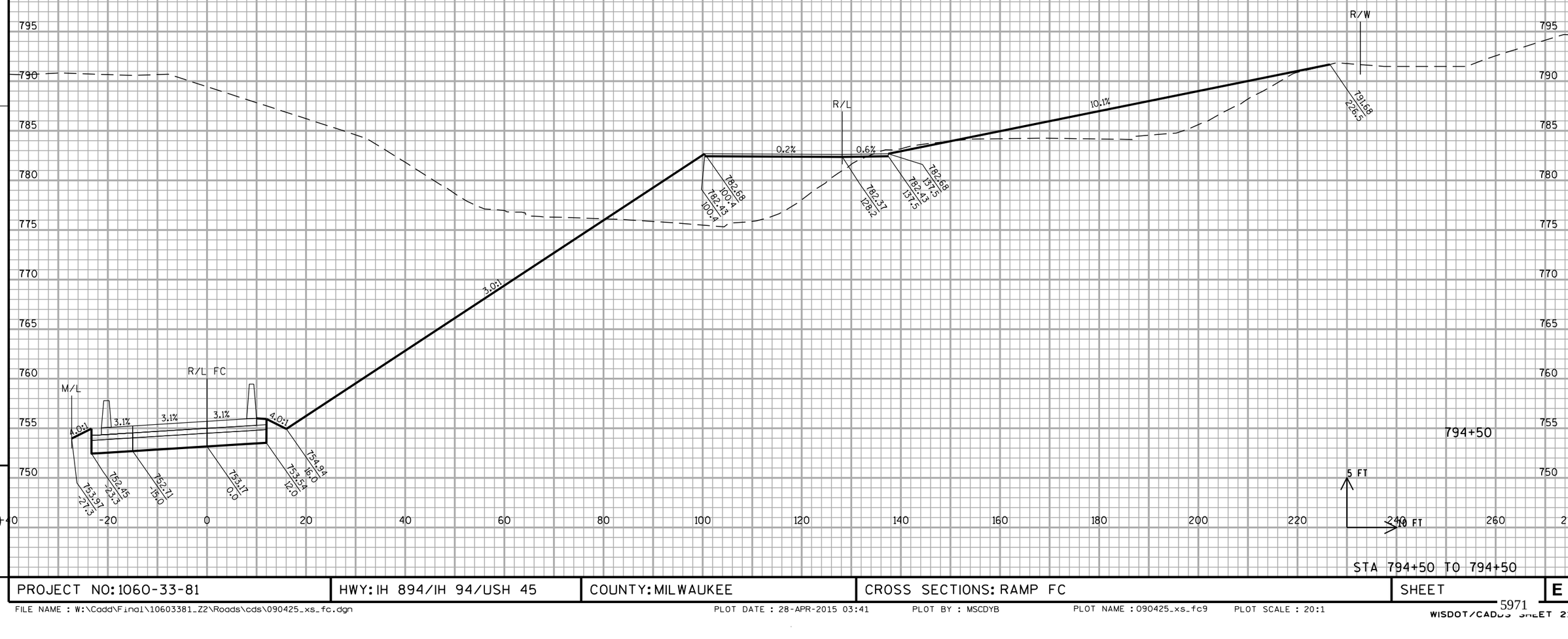
STA 794+00 TO 794+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

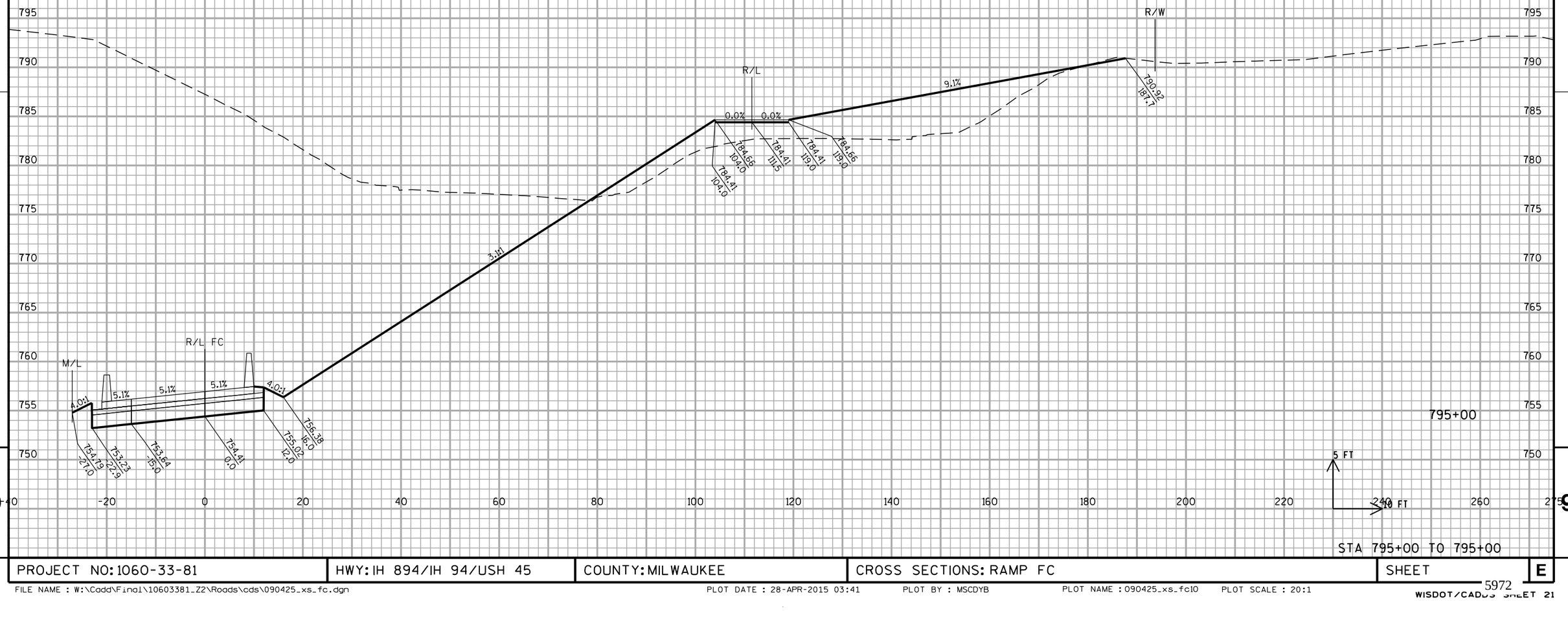


STA 794+50 TO 794+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc9 PLOT SCALE : 20:1

ALL WORK STAGE 6

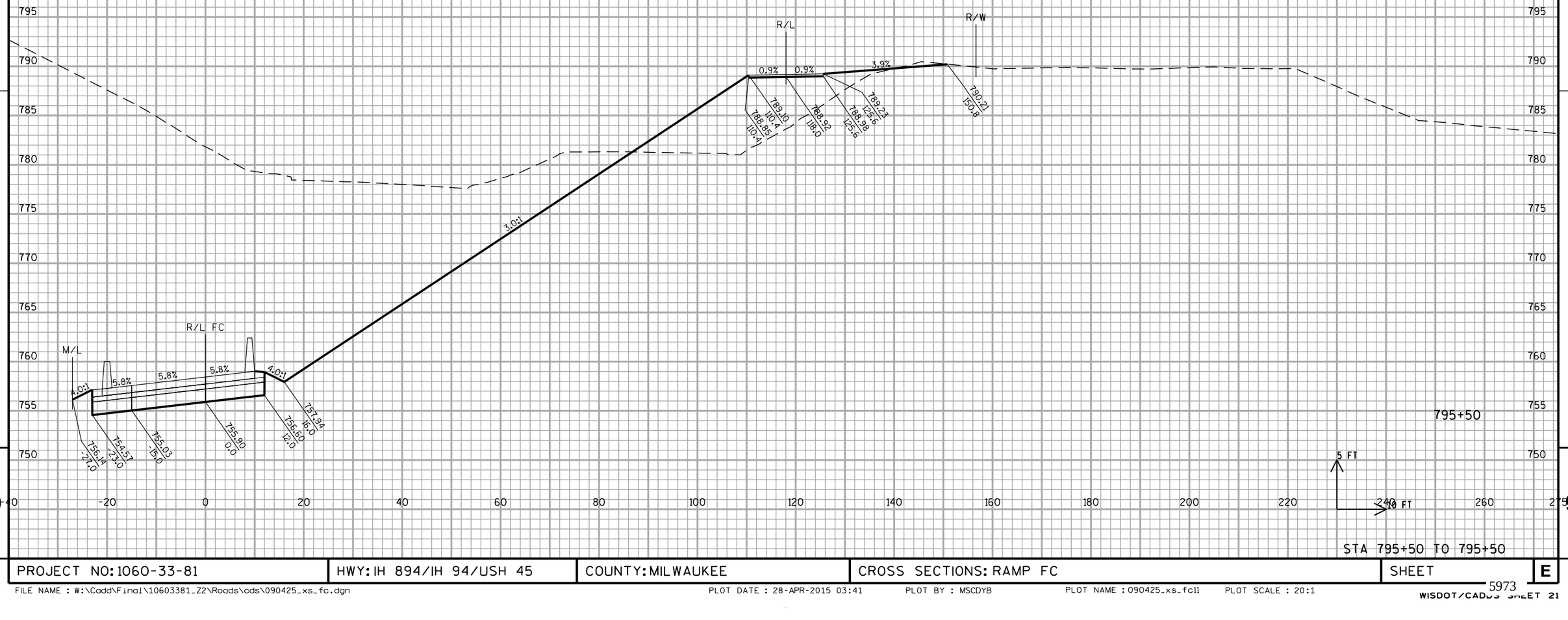


STA 795+00 TO 795+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc10 PLOT SCALE : 20:1

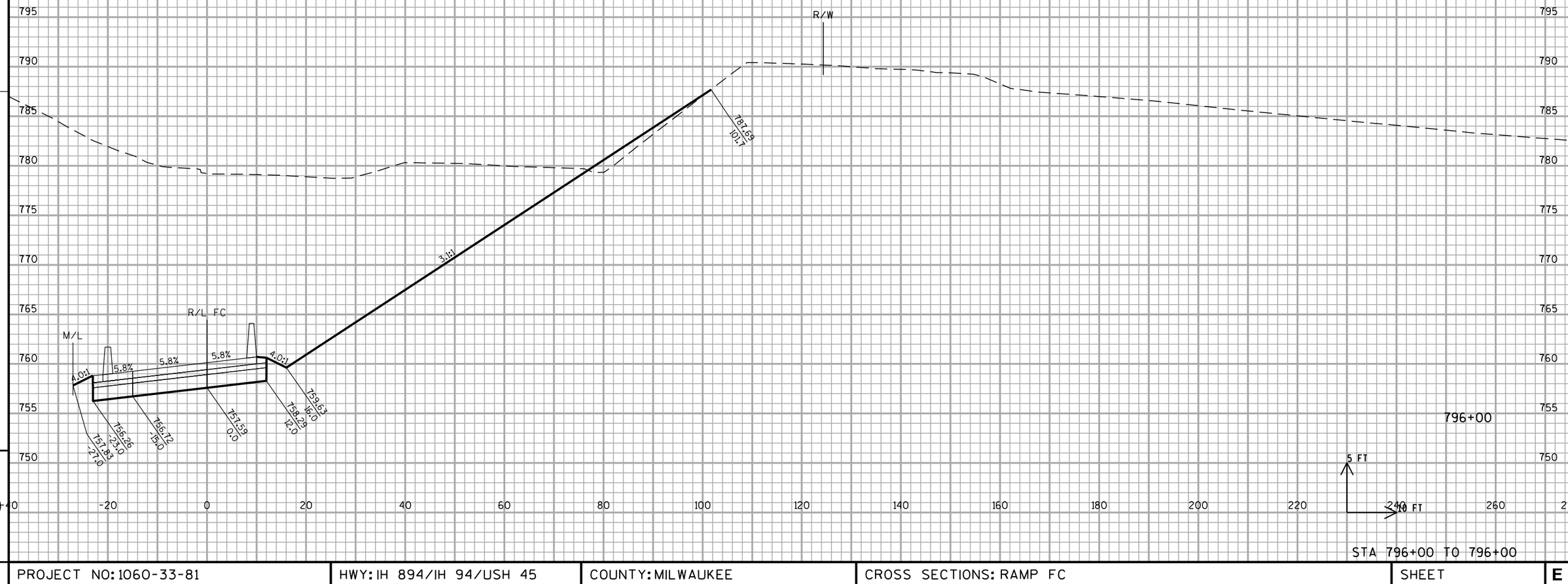
ALL WORK STAGE 6



STA 795+50 TO 795+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

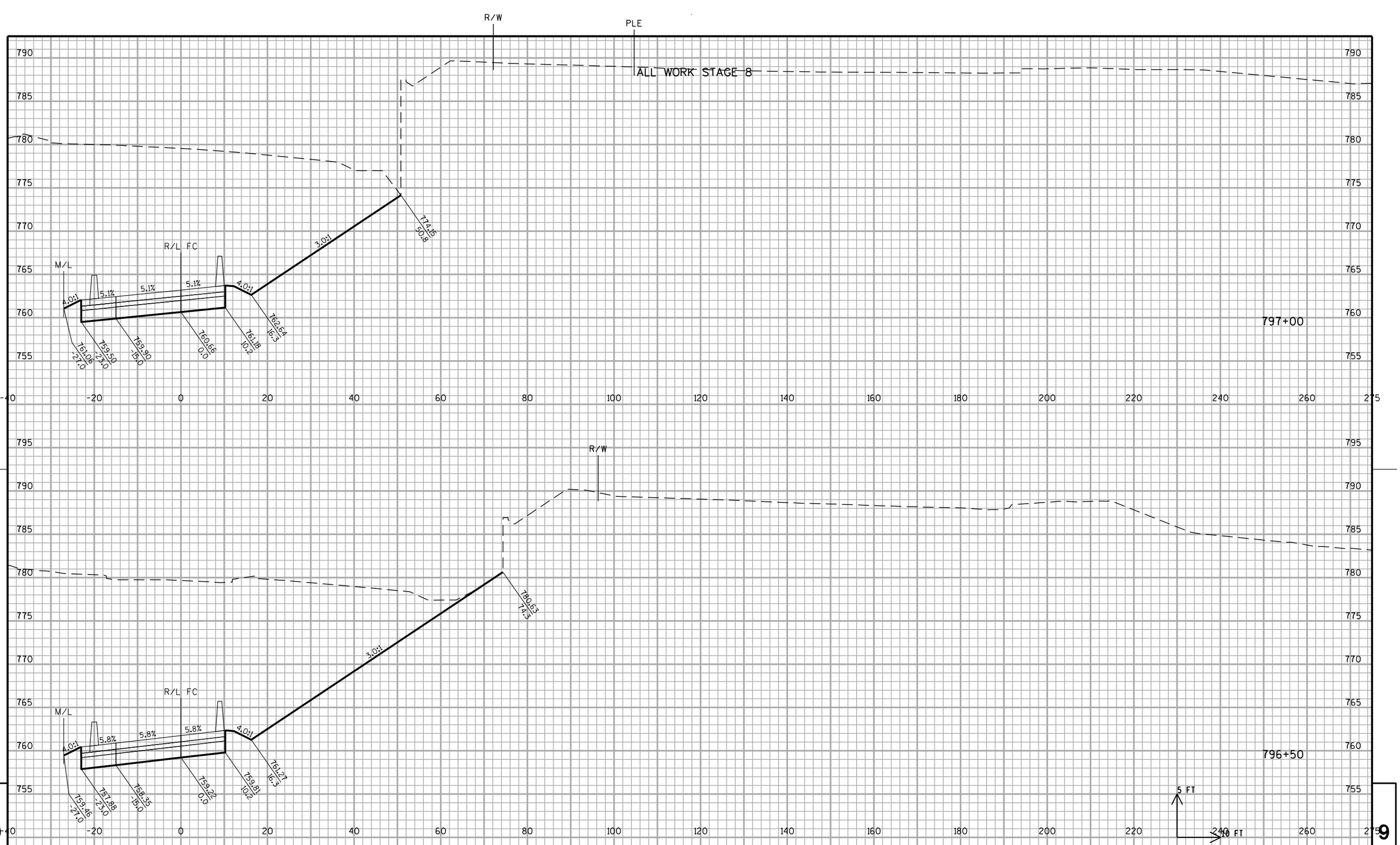
ALL WORK STAGE 6



STA 796+00 TO 796+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

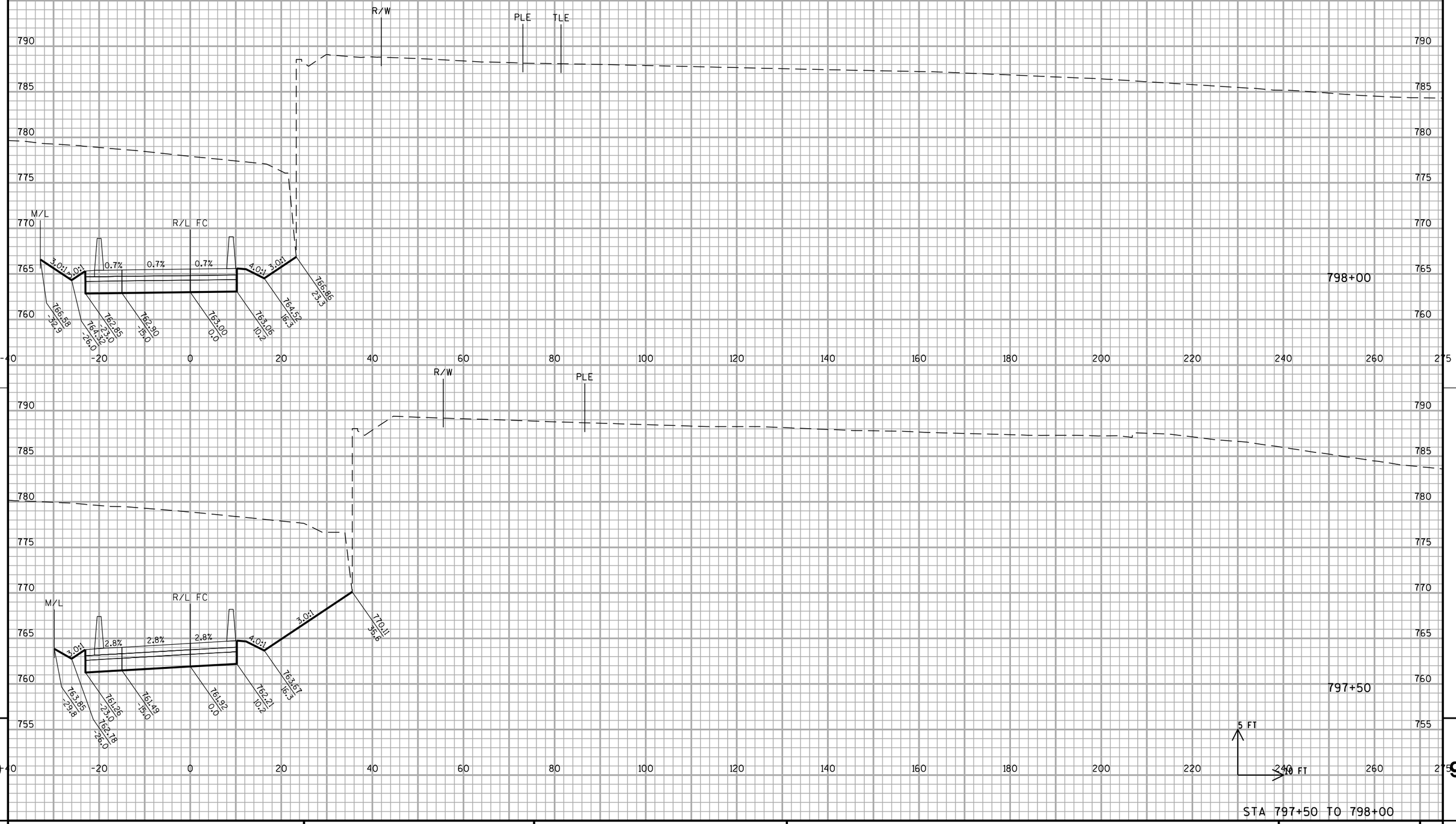
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc12 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc13 PLOT SCALE : 20:1

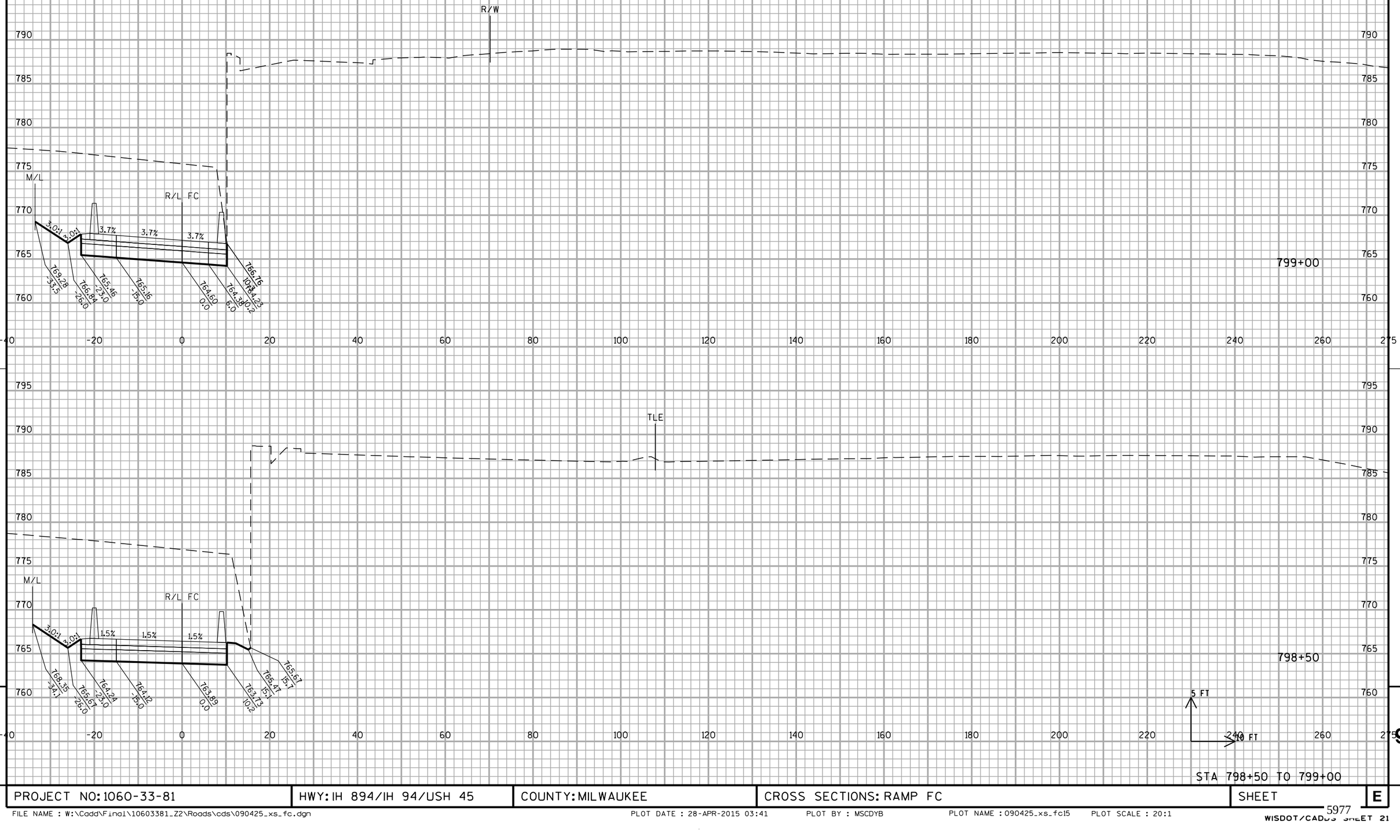
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc14 PLOT SCALE : 20:1

ALL WORK STAGE 8

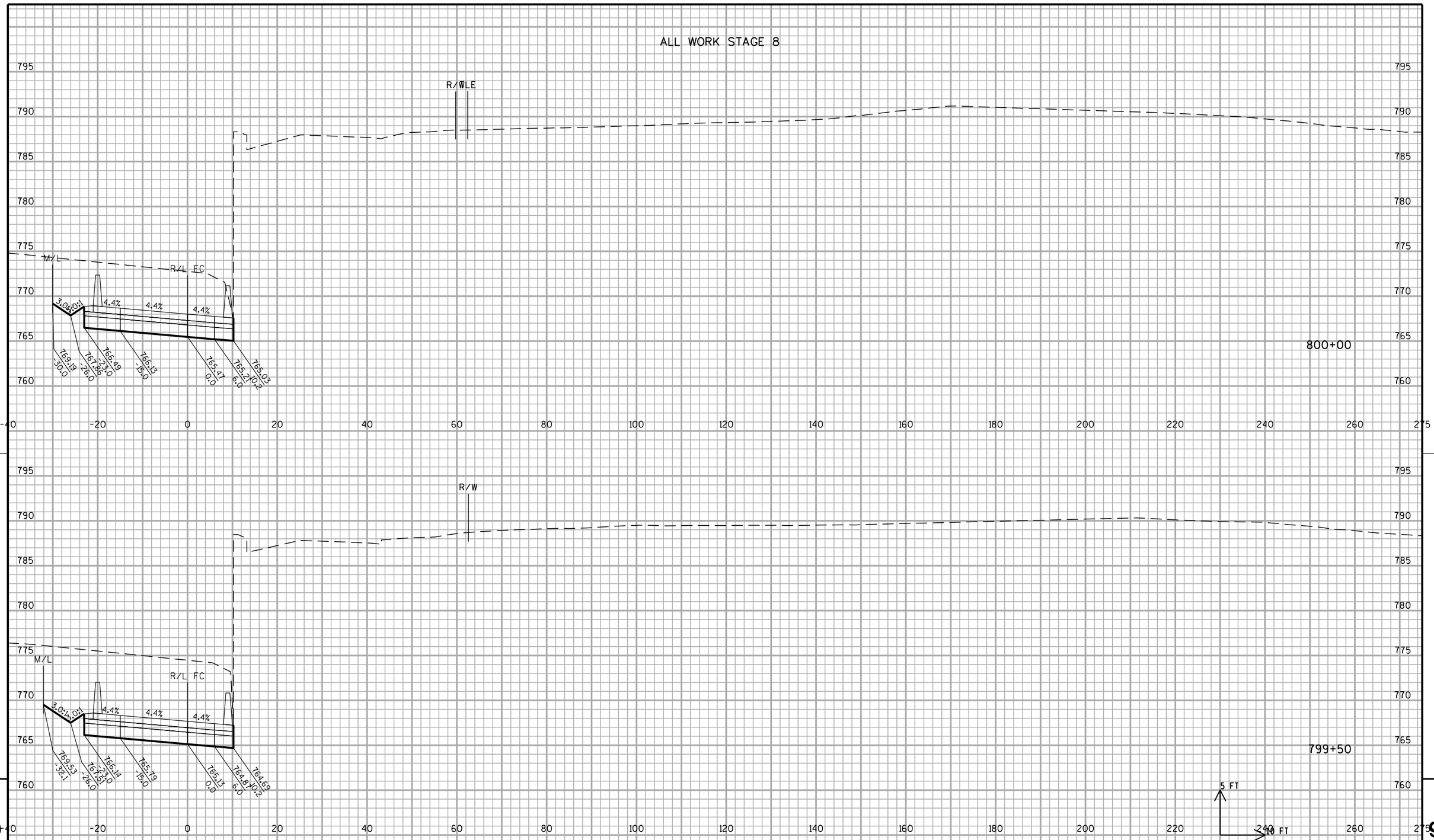


STA 798+50 TO 799+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc15 PLOT SCALE : 20:1

ALL WORK STAGE 8

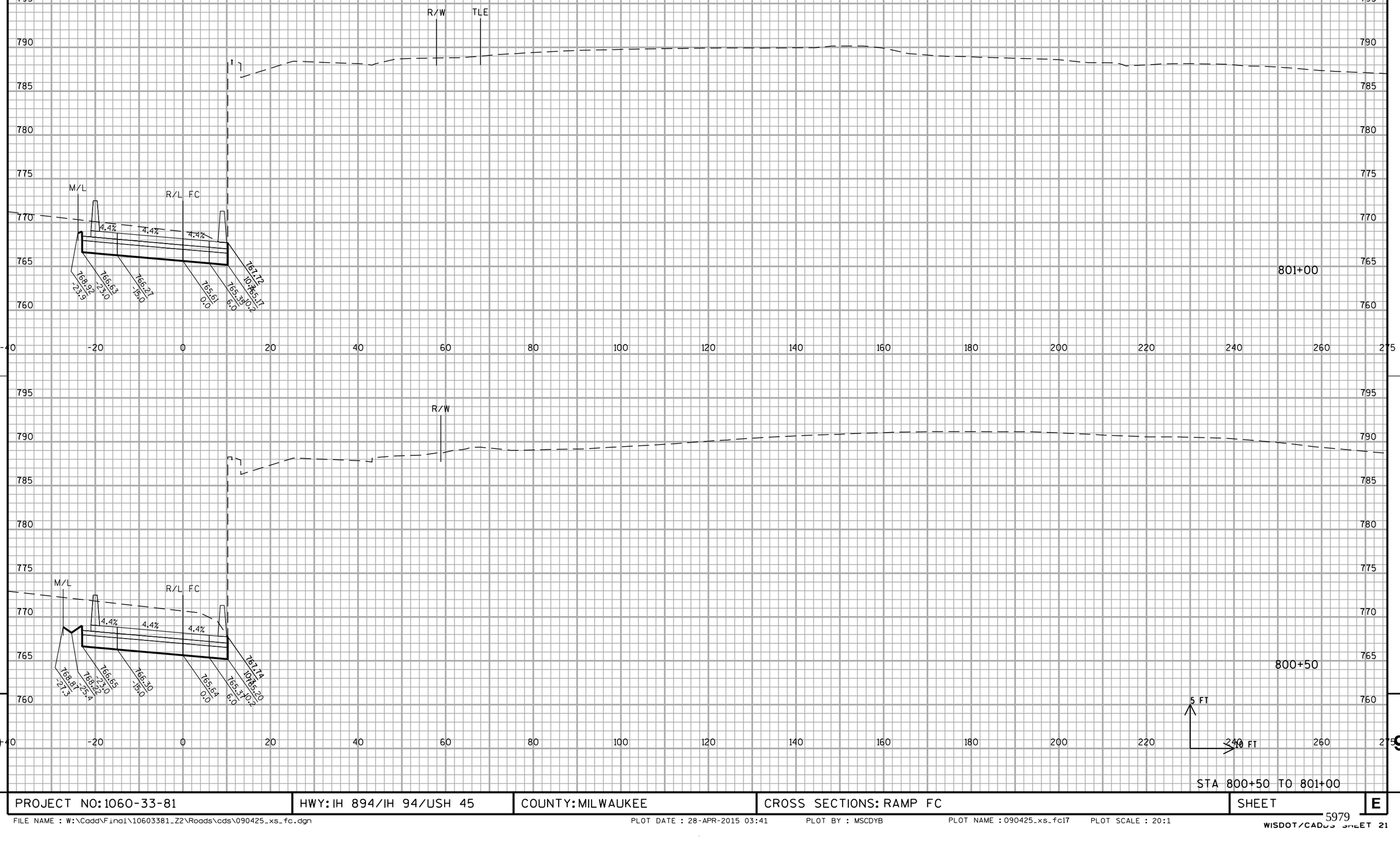


STA 799+50 TO 800+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

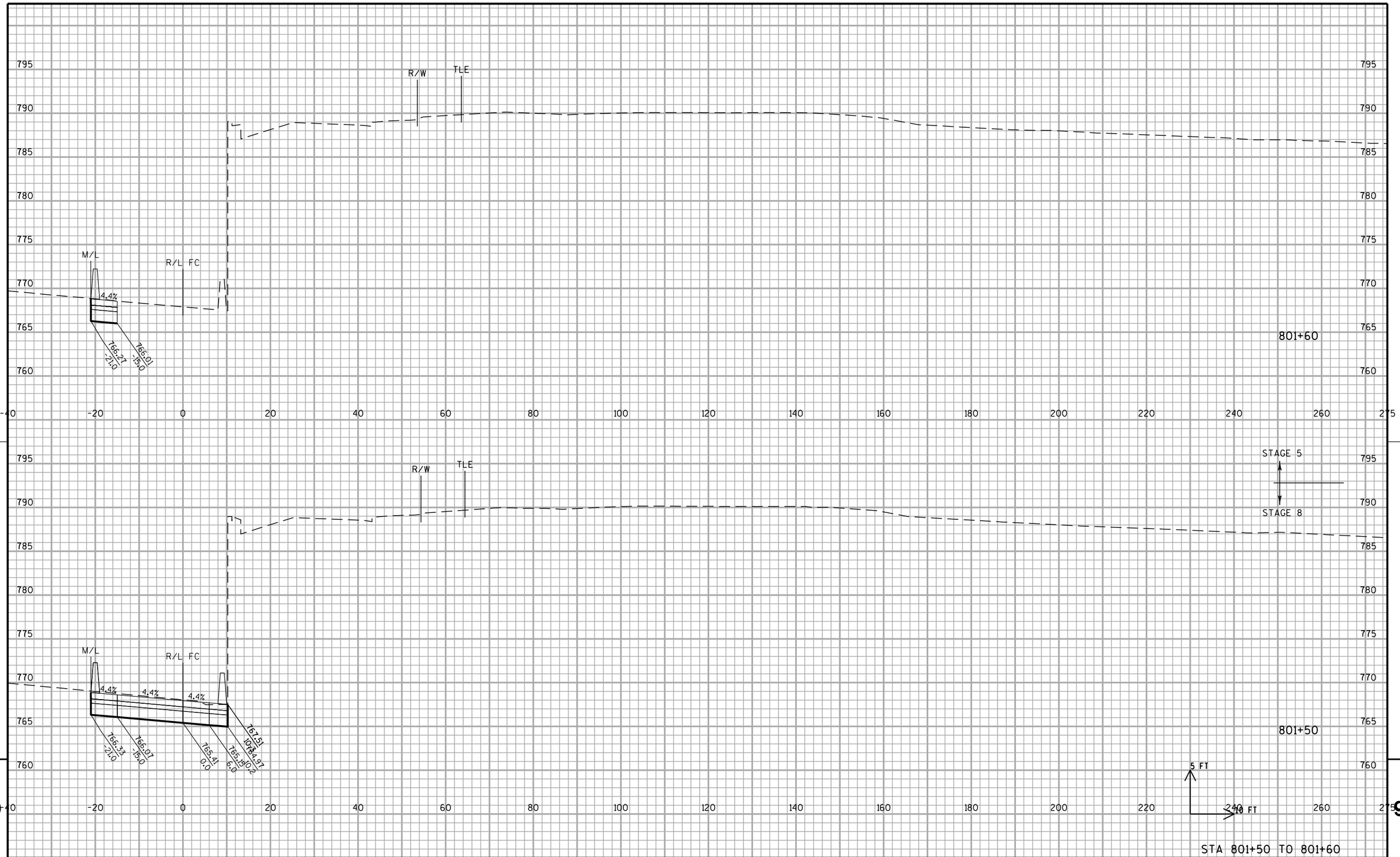
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc16 PLOT SCALE : 20:1

ALL WORK STAGE 8



STA 800+50 TO 801+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

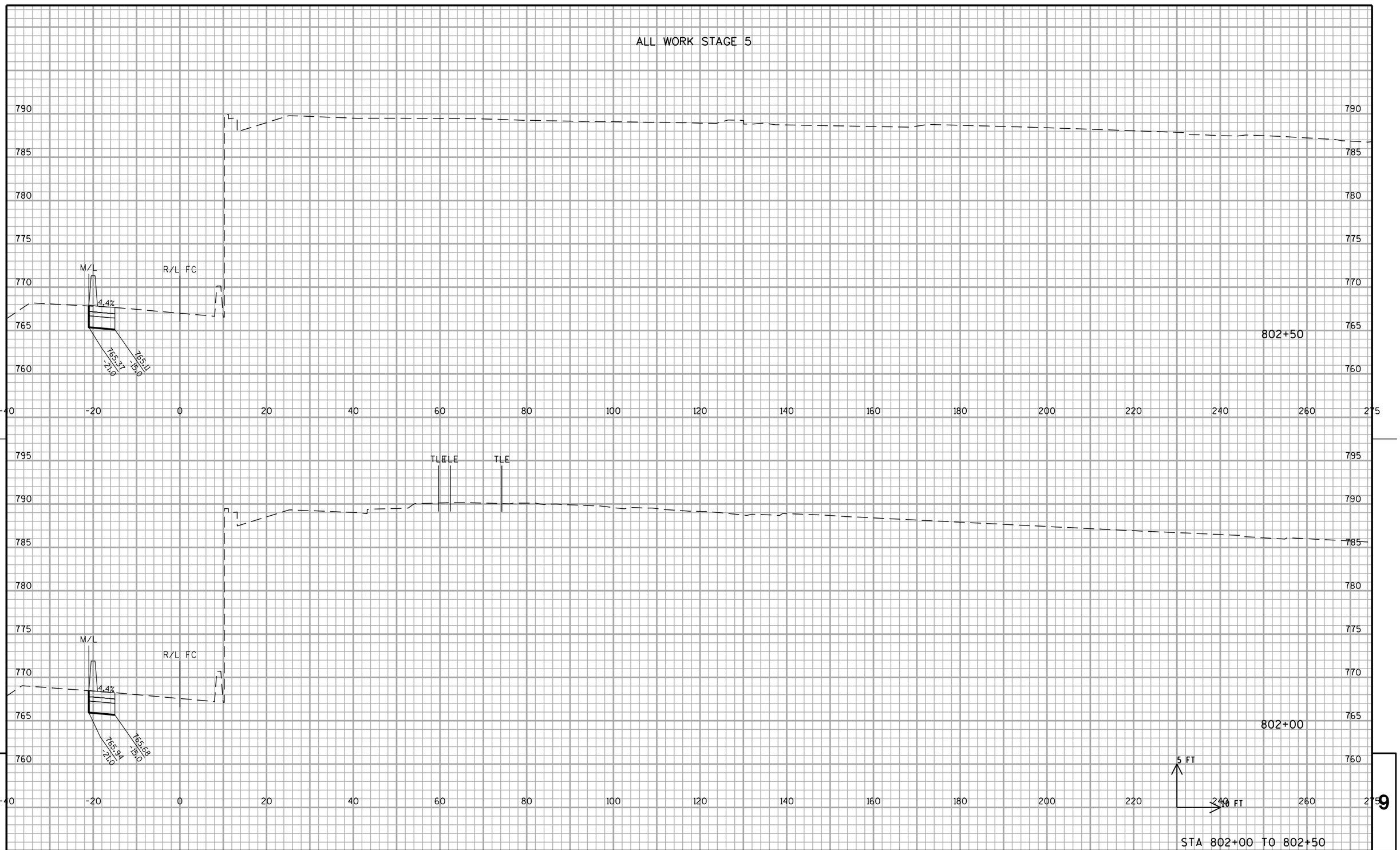


STA 801+50 TO 801+60

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc18 PLOT SCALE : 20:1

ALL WORK STAGE 5



STA 802+00 TO 802+50

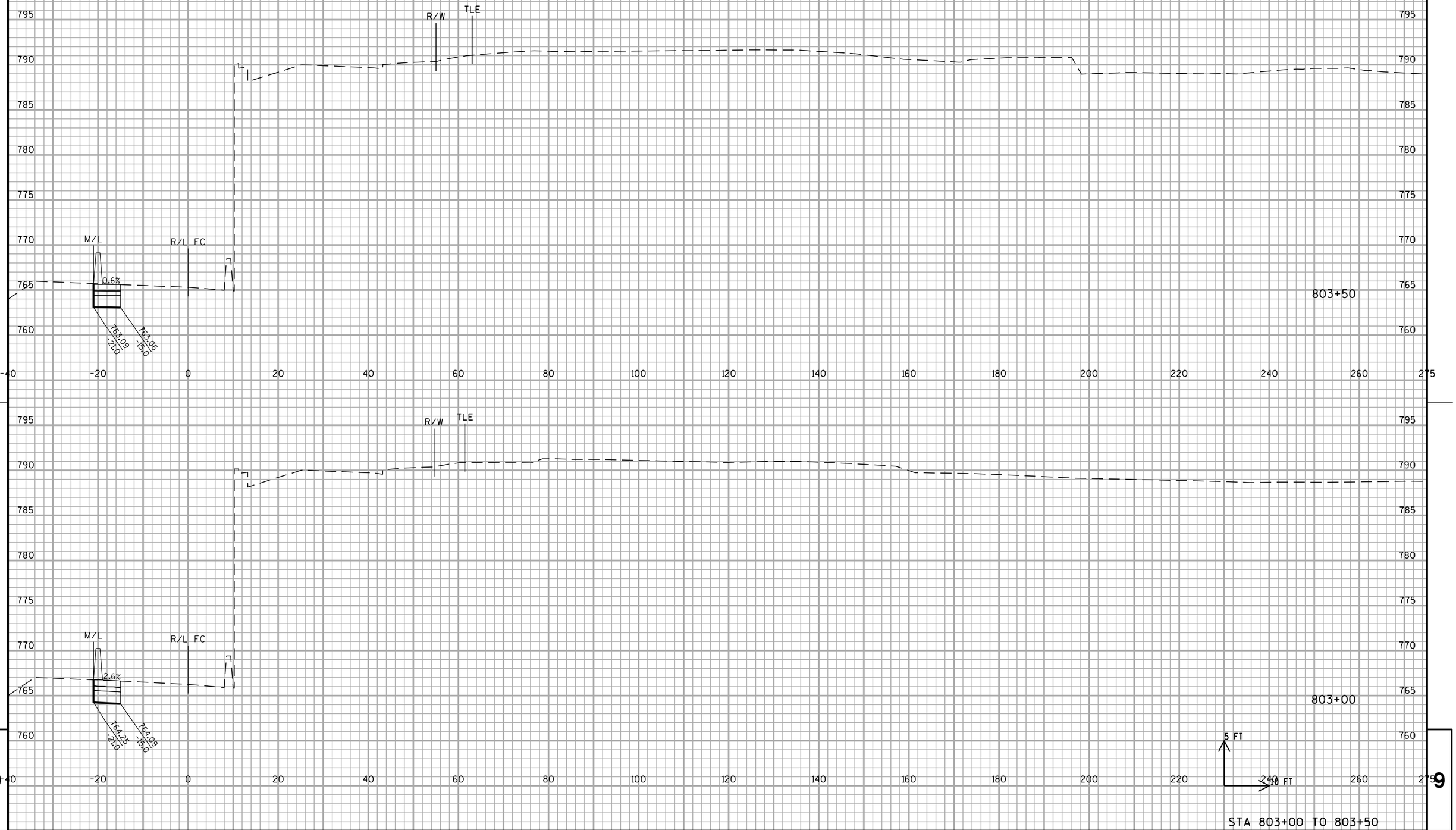
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

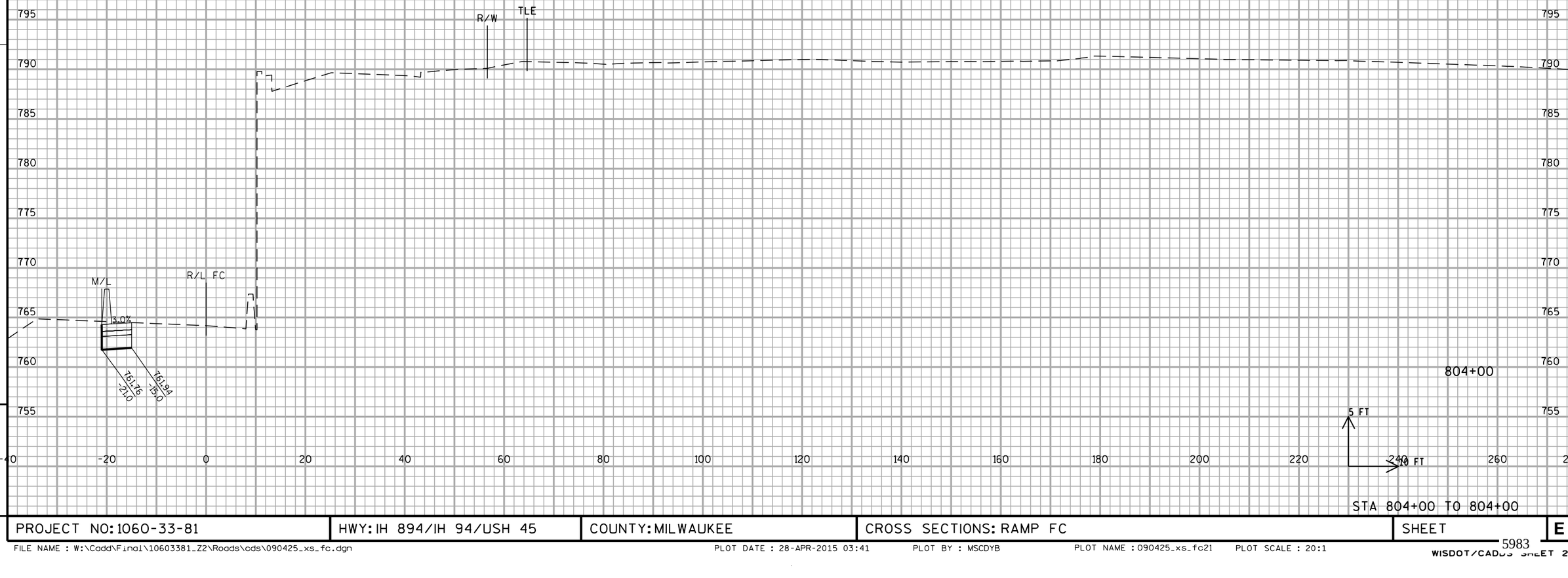
ALL WORK STAGE 5



STA 803+00 TO 803+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

ALL WORK STAGE 5



STA 804+00 TO 804+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

805+00

M/L

R/L FC

4.0%

758.91
-21.0

759.15
-15.0

804+50

R/W

TLE

M/L

R/L FC

4.0%

760.39
-21.0

760.63
-15.0

5 FT

10 FT

STA 804+50 TO 805+00

9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc22 PLOT SCALE : 20:1

ALL WORK STAGE 5

R/W TLE

790 785 780 775 770 765 760 755 750

M/L R/L FC

4.0%

755.62 -150

-40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 275

806+00

R/W TLE

790 785 780 775 770 765 760 755

M/L R/L FC

4.0%

757.24 -210

757.48 -150

-40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 275

805+50

5 FT 10 FT

STA 805+50 TO 806+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc23 PLOT SCALE : 20:1

ALL WORK STAGE 5

R/W TLE

M/L R/L FC

4.0%

751.39 21.0

751.53 -150

807+00

R/W TLE

M/L R/L FC

4.0%

753.63 -150

806+50

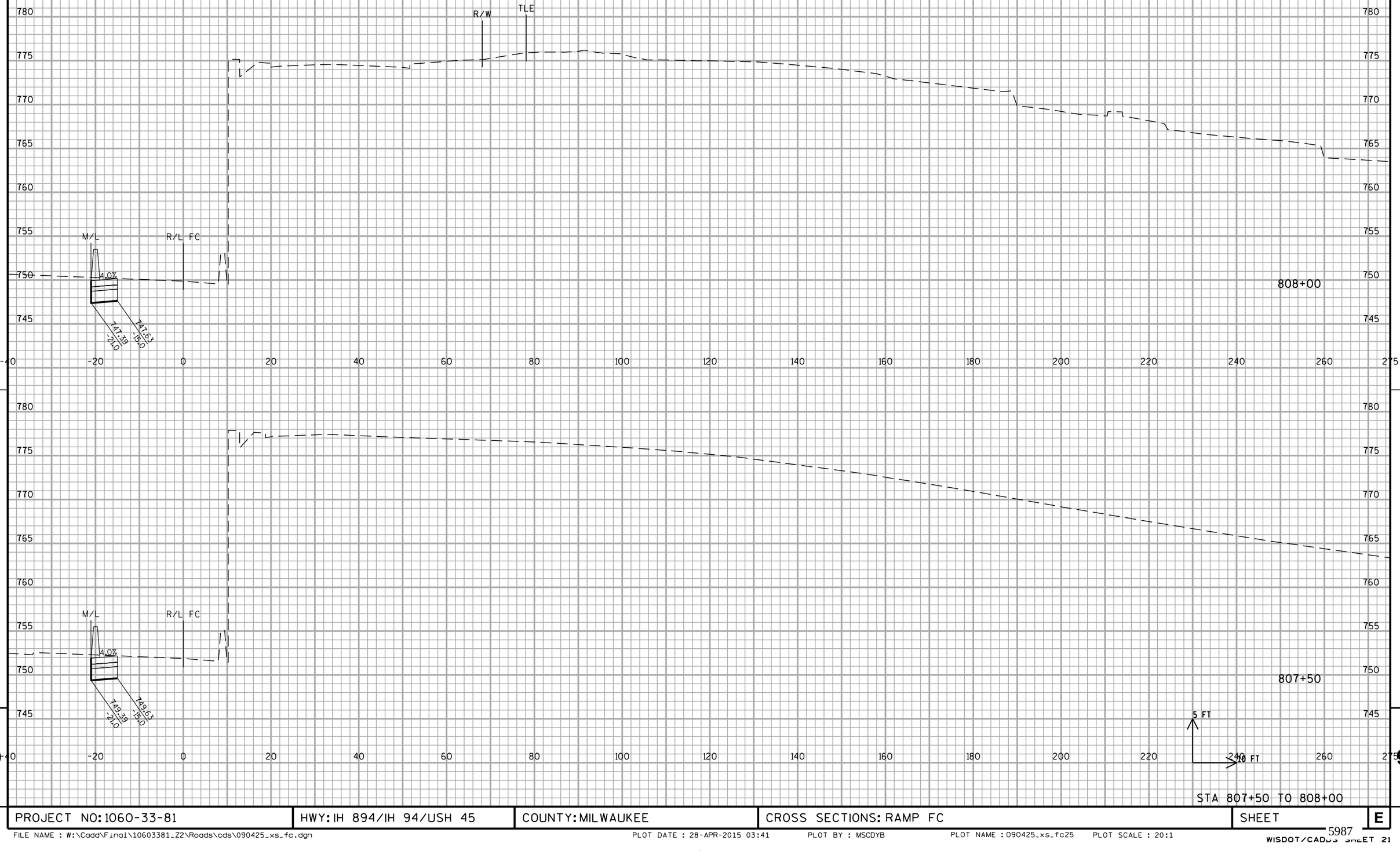
5 FT 10 FT

STA 806+50 TO 807+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc24 PLOT SCALE : 20:1

ALL WORK STAGE 5

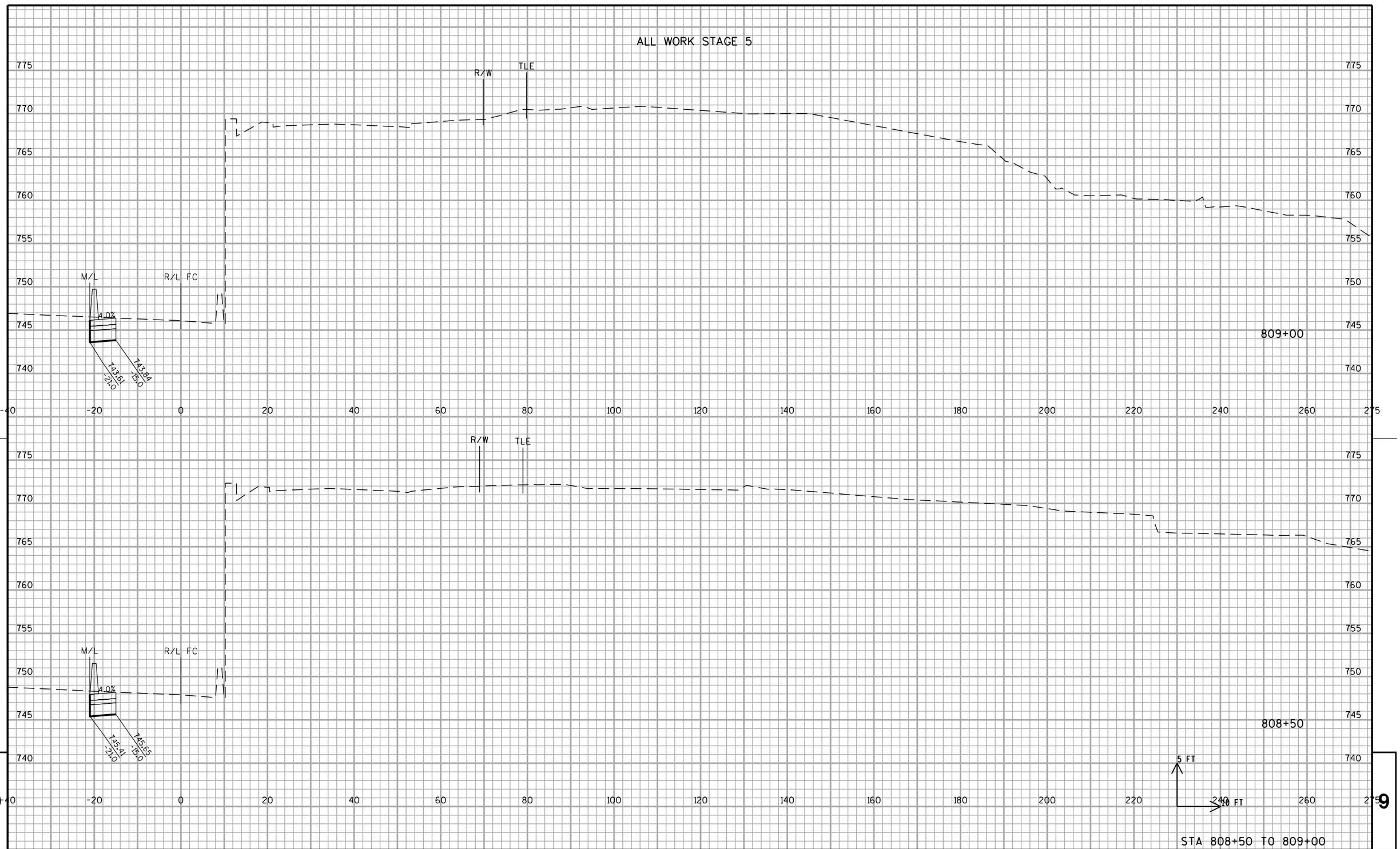


STA 807+50 TO 808+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc25 PLOT SCALE : 20:1

ALL WORK STAGE 5



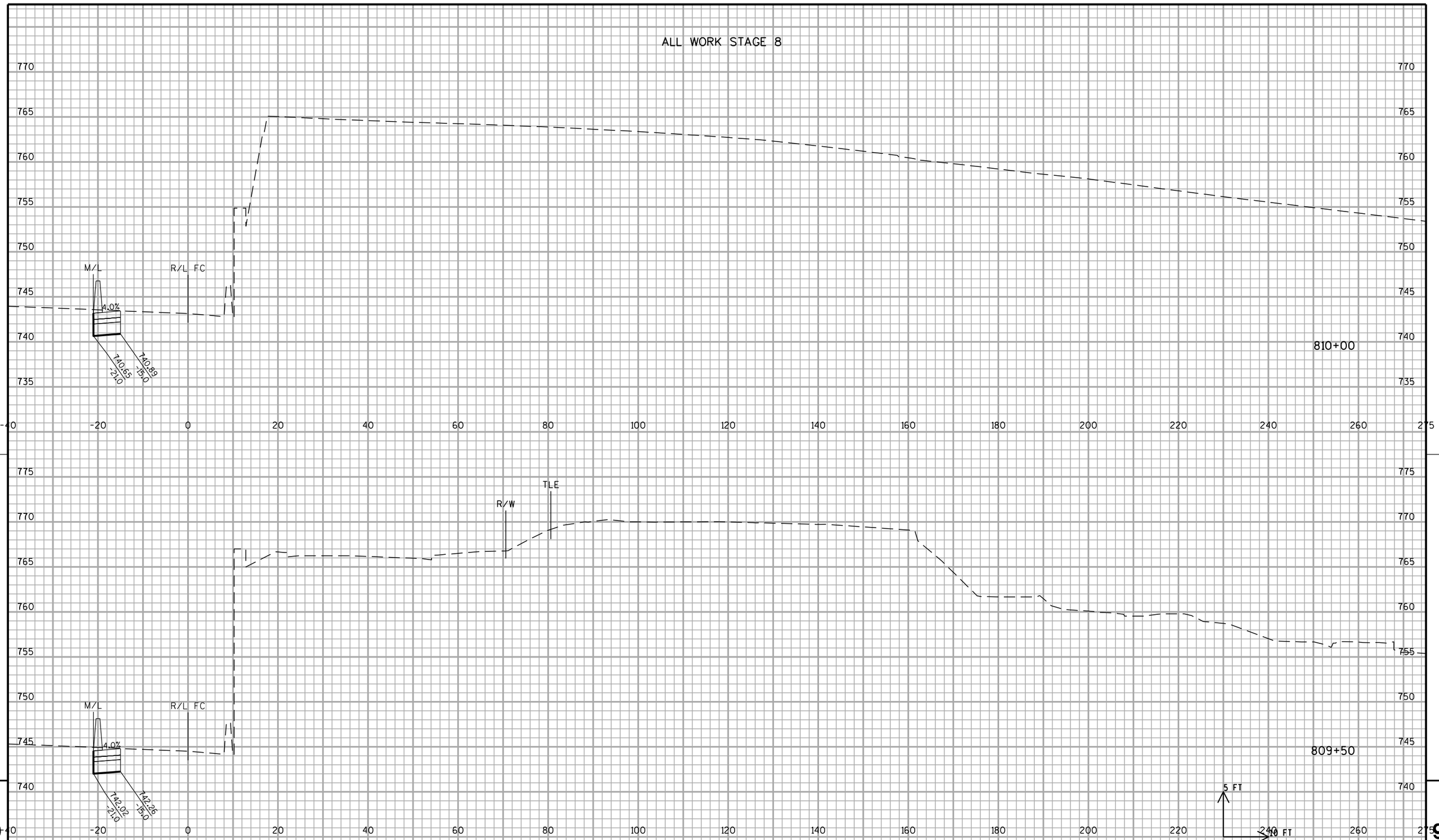
STA 808+50 TO 809+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

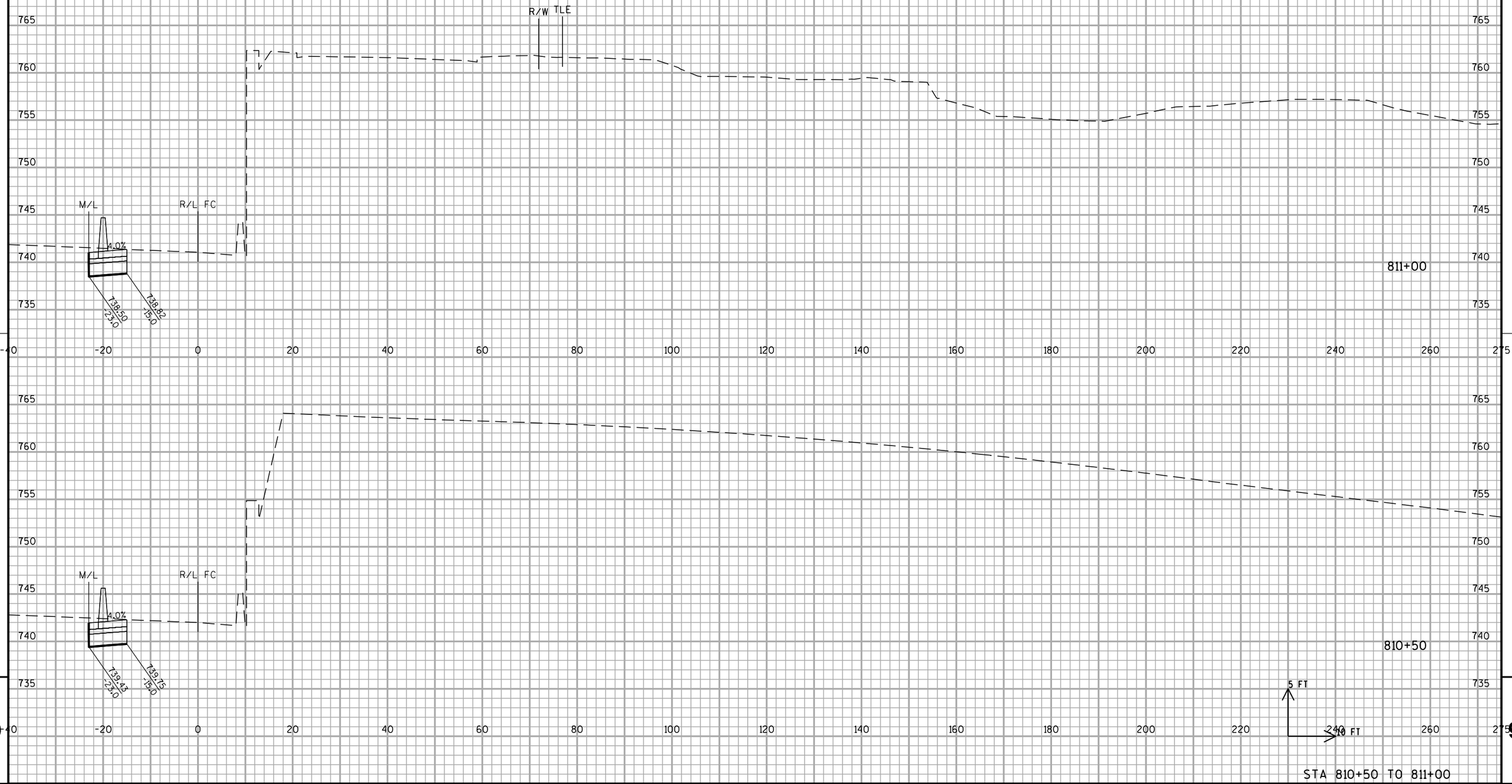


STA 809+50 TO 810+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc27 PLOT SCALE : 20:1

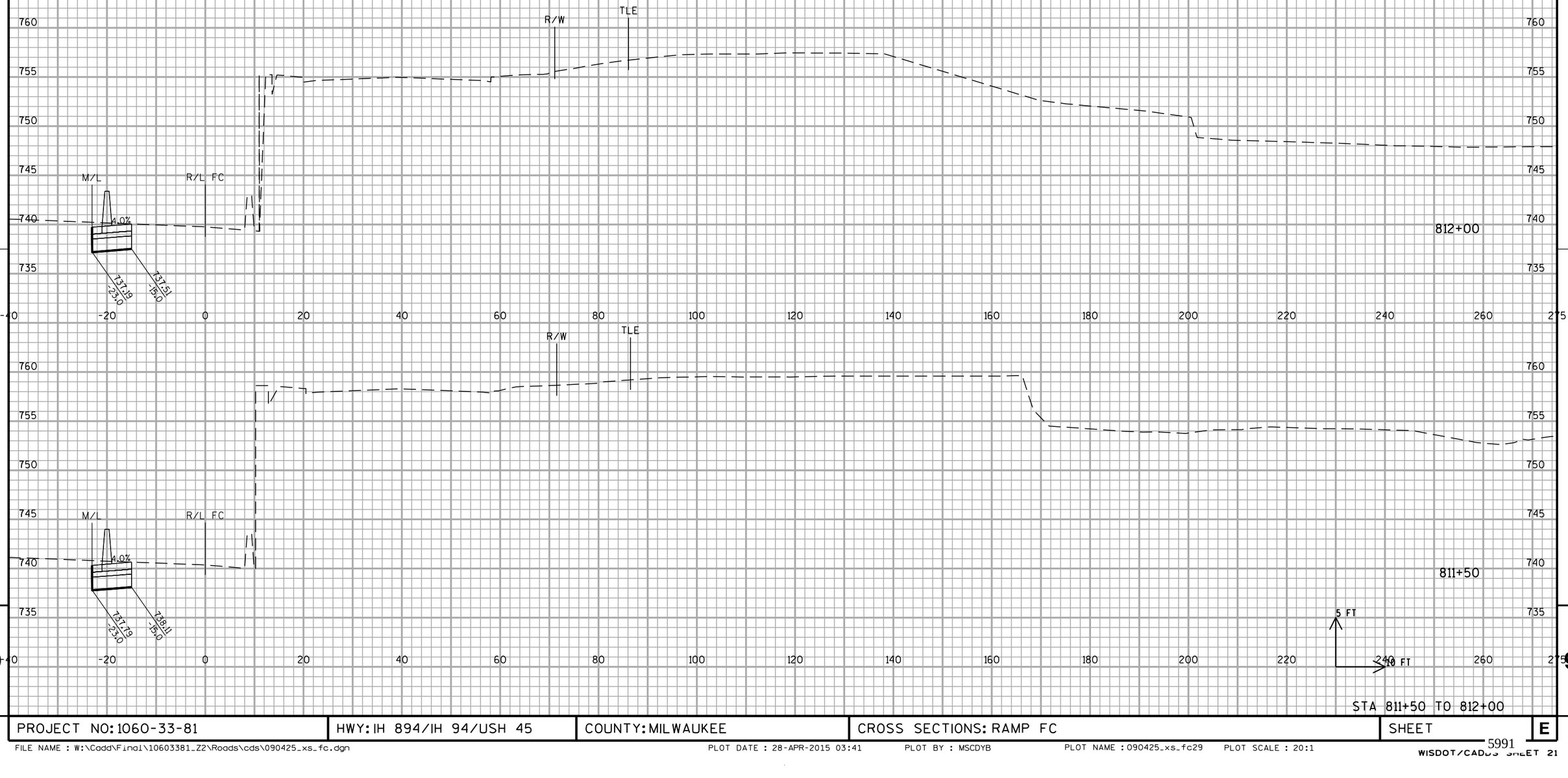
ALL WORK STAGE 8



STA 810+50 TO 811+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

ALL WORK STAGE 8



STA 811+50 TO 812+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc29 PLOT SCALE : 20:1

ALL WORK STAGE 8

R/W TLE

M/L 4.0% 735.39 -23.0 735.71 -15.0

813+50

M/L R/L FC 4.0% 735.99 -23.0 736.31 -15.0

813+00

R/W TLE

M/L R/L FC 4.0% 736.59 -23.0 736.91 -15.0

812+50

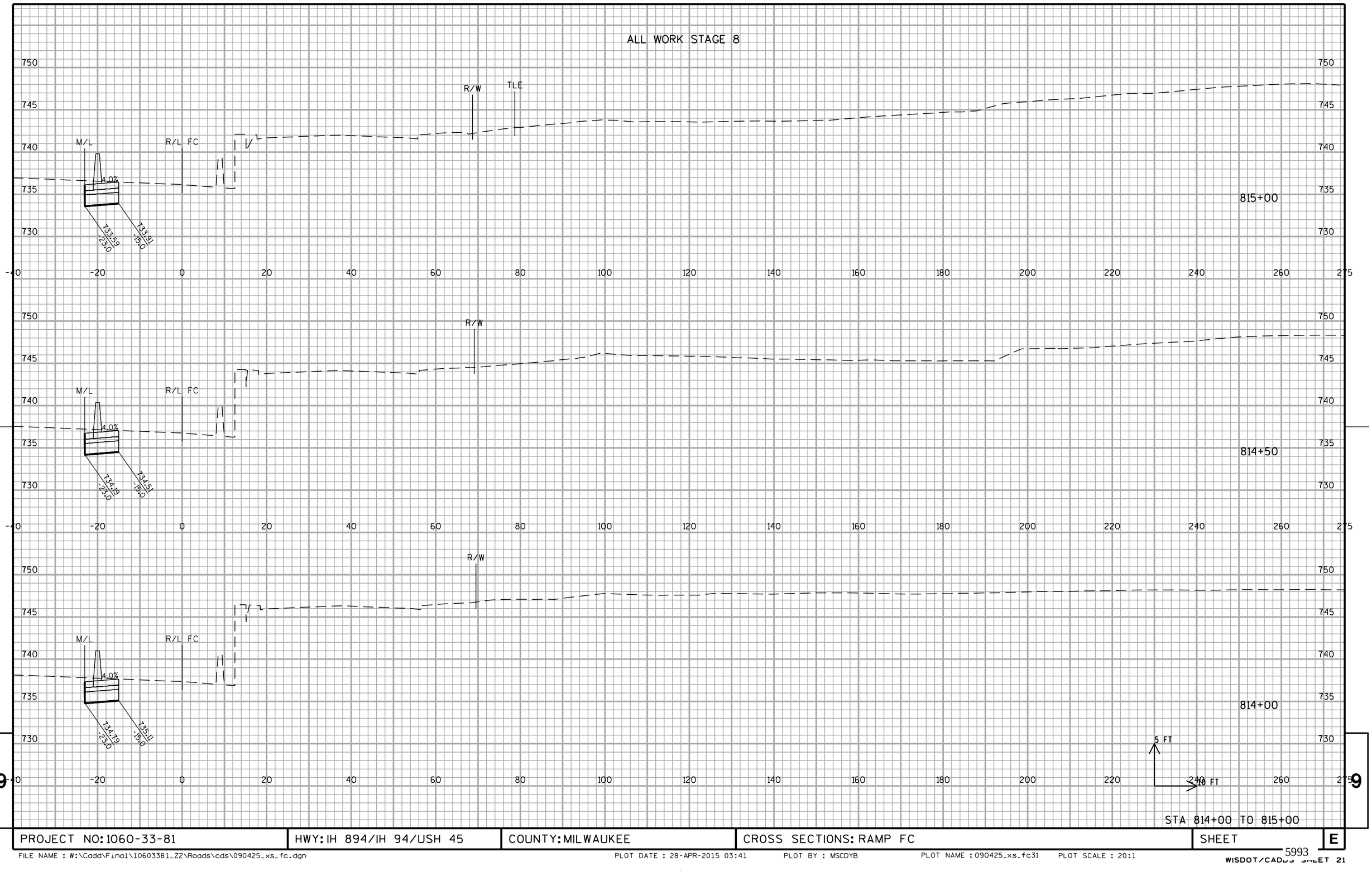
5 FT 10 FT

STA 812+50 TO 813+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc30 PLOT SCALE : 20:1

ALL WORK STAGE 8



STA 814+00 TO 815+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc31 PLOT SCALE : 20:1

ALL WORK STAGE 8

816+50

R/W

R/L FC

4.0%

733.96
-26.7

731.61
-23.0

731.93
-15.0

816+00

M/L

R/L FC

4.0%

732.33
-23.0

732.65
-15.0

815+50

M/L

R/L FC

4.0%

732.99
-23.0

733.31
-15.0

5 FT

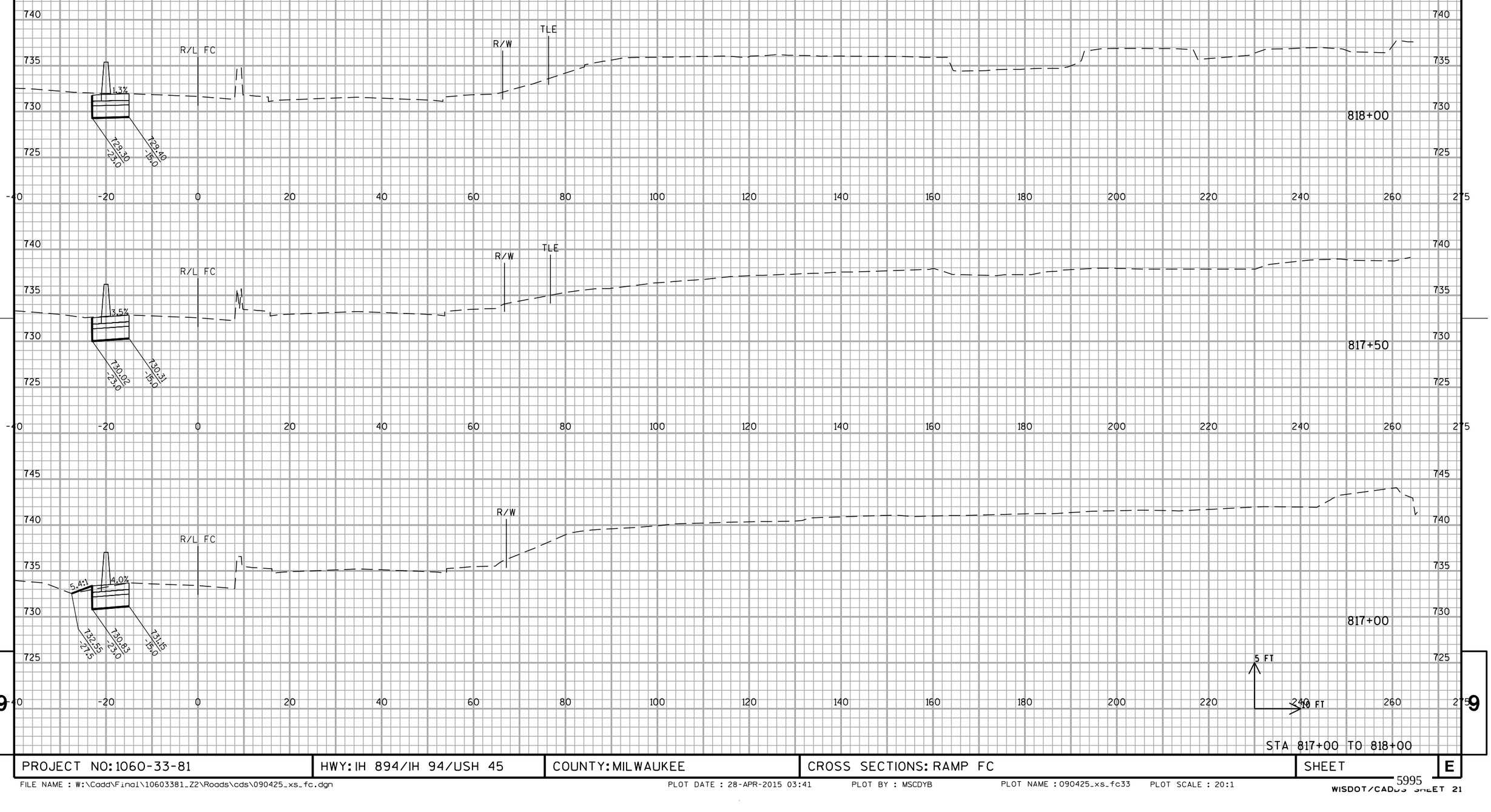
10 FT

STA 815+50 TO 816+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc32 PLOT SCALE : 20:1

ALL WORK STAGE 8

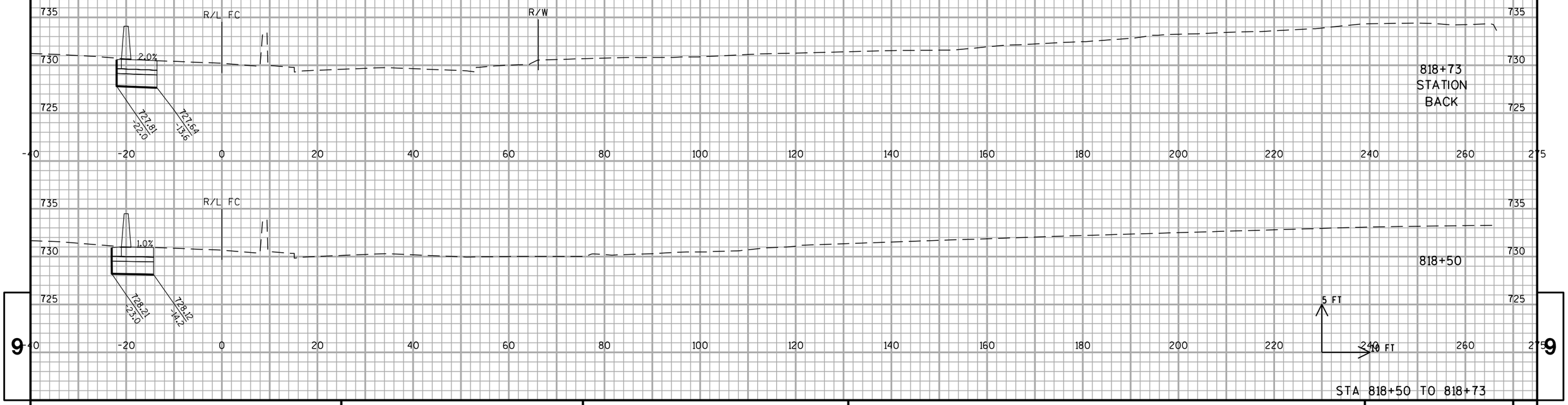


STA 817+00 TO 818+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc33 PLOT SCALE : 20:1

ALL WORK STAGE 8

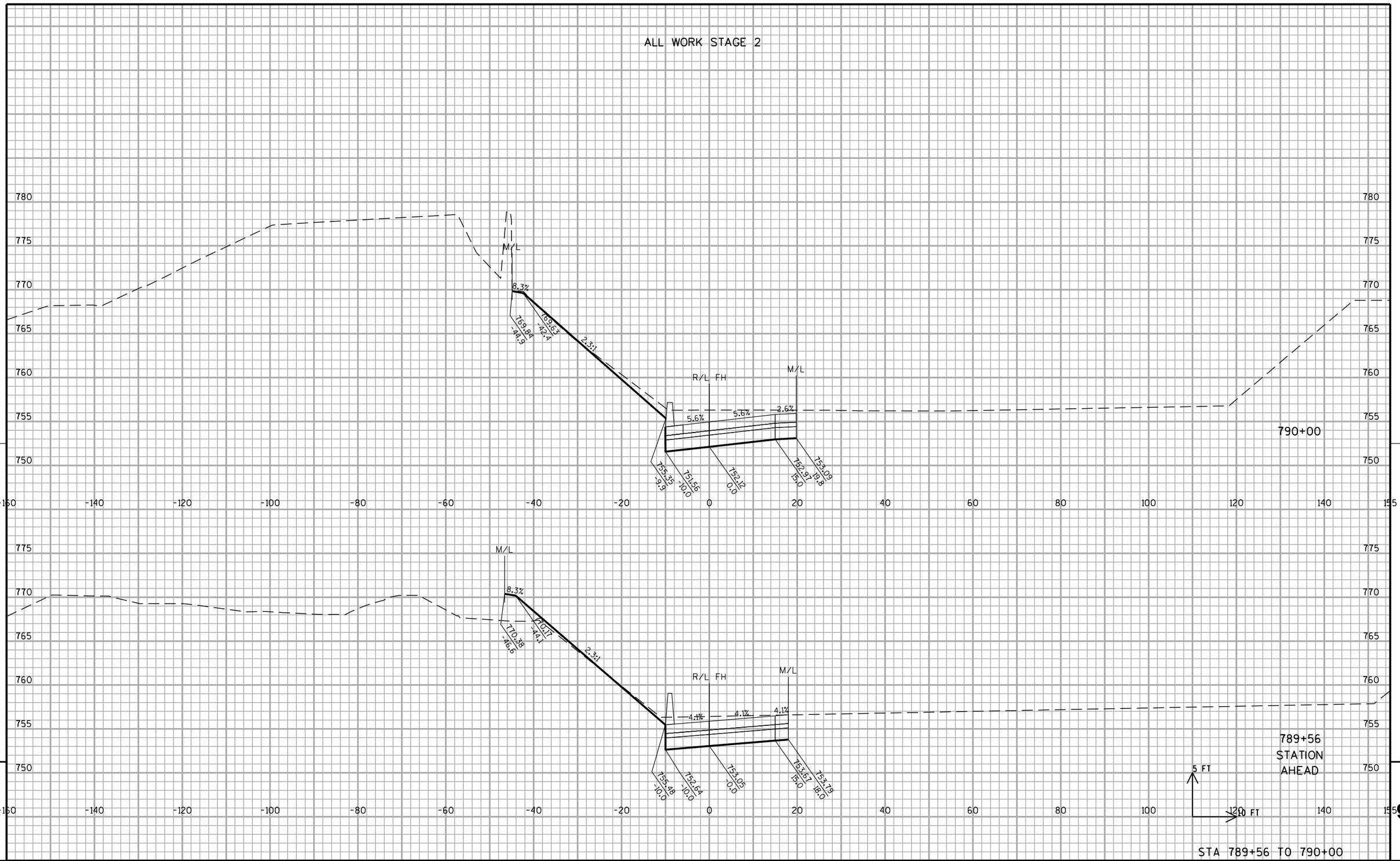


STA 818+50 TO 818+73

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090425_xs_fc.dgn PLOT DATE : 28-APR-2015 03:41 PLOT BY : MSCDYB PLOT NAME : 090425_xs_fc34 PLOT SCALE : 20:1

ALL WORK STAGE 2

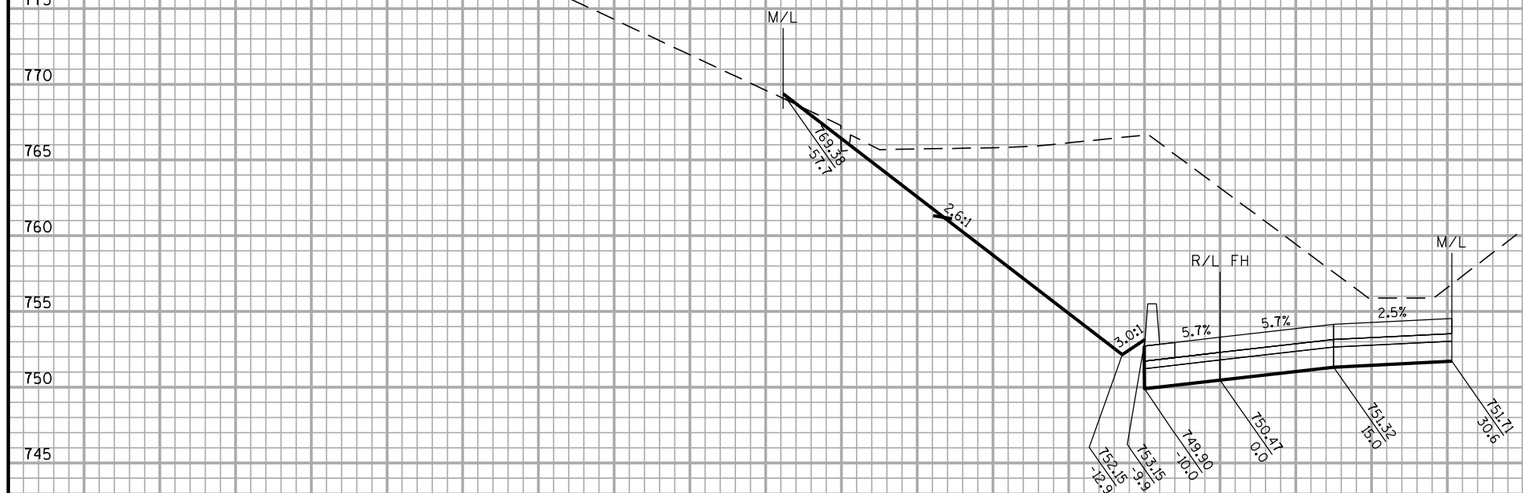


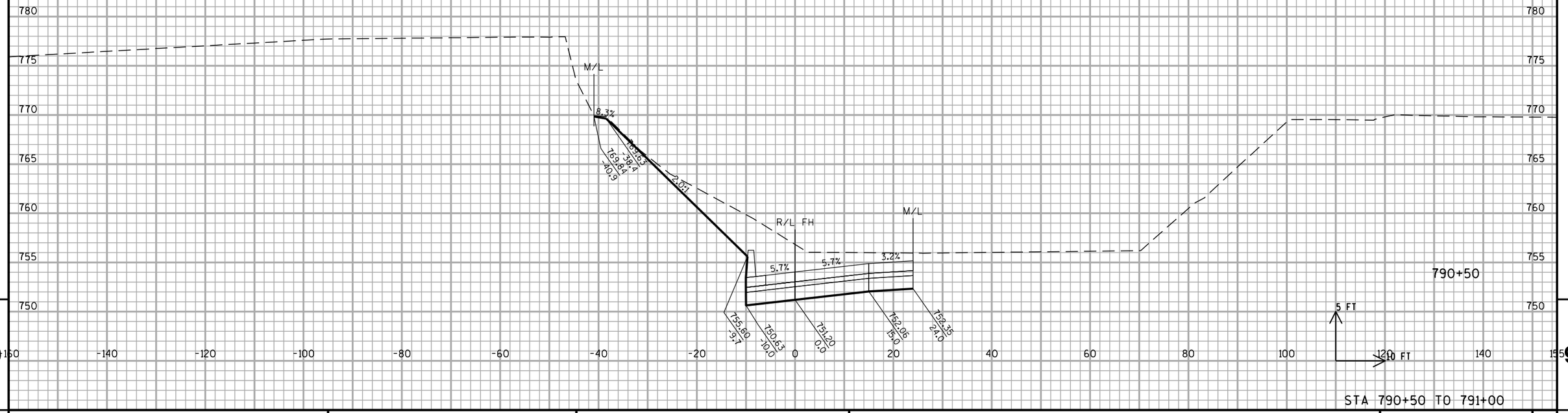
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:42 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

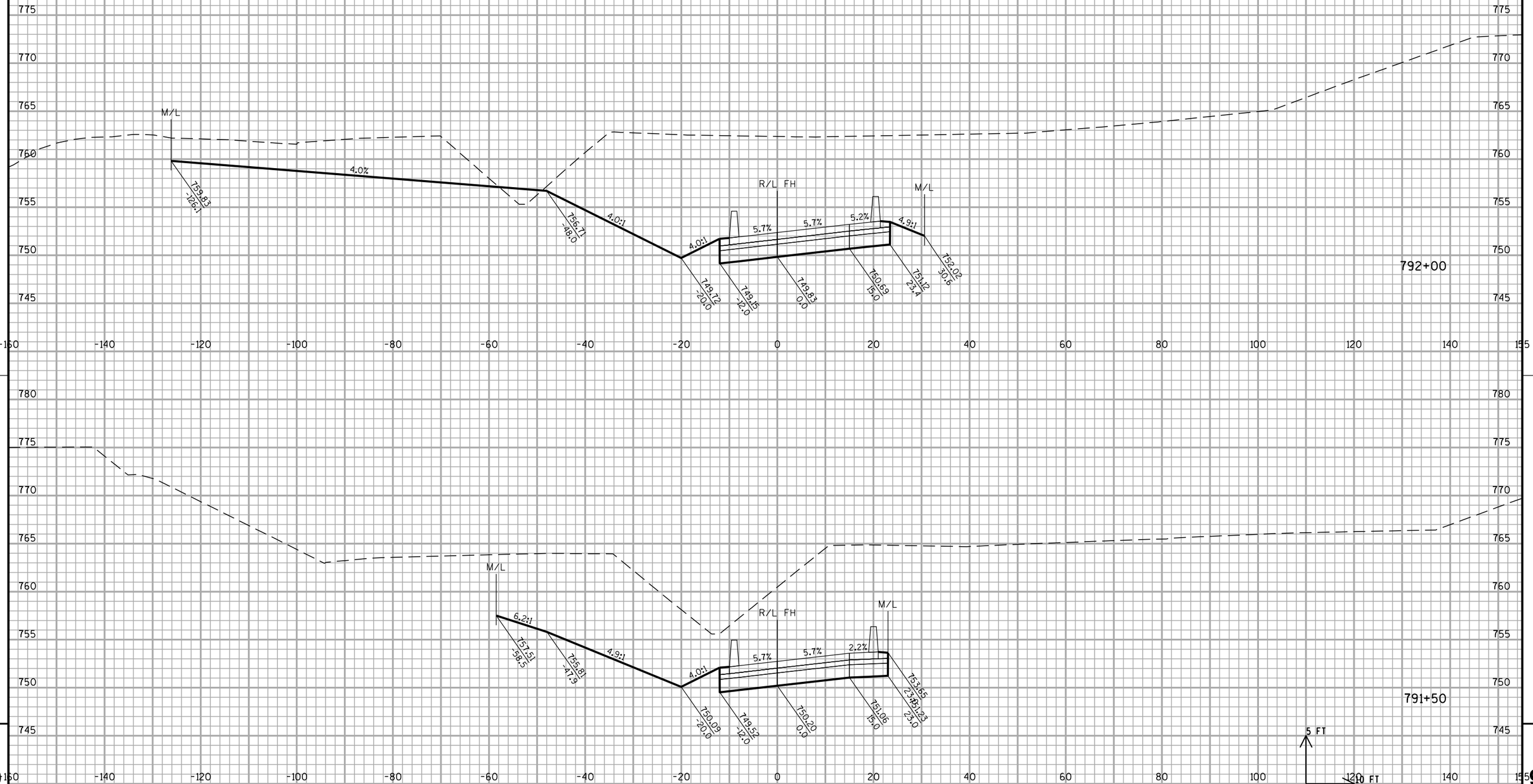




PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:42 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh1 PLOT SCALE : 20:1

ALL WORK STAGE 6

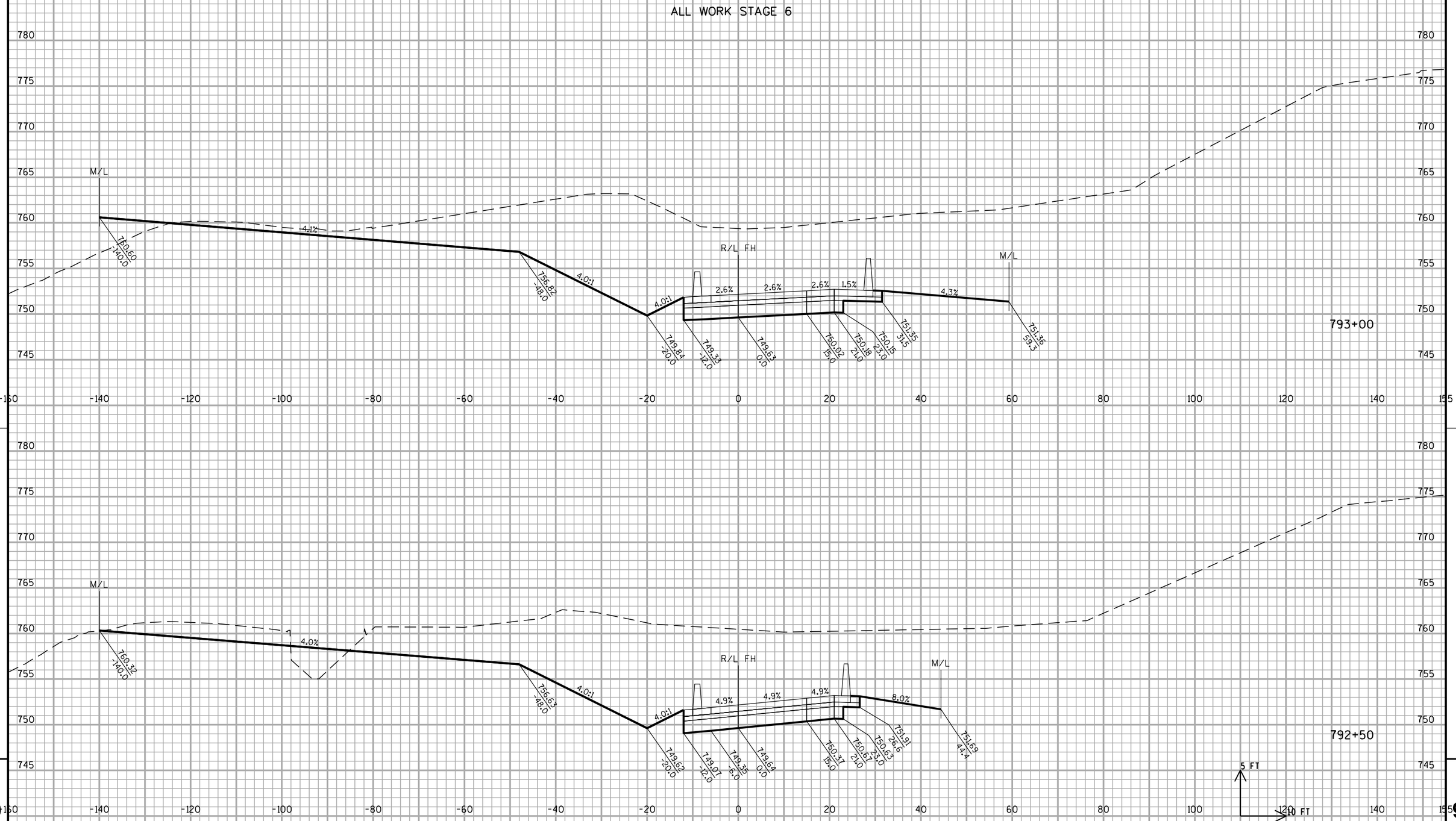


STA 791+50 TO 792+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:42 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh2 PLOT SCALE : 20:1

ALL WORK STAGE 6

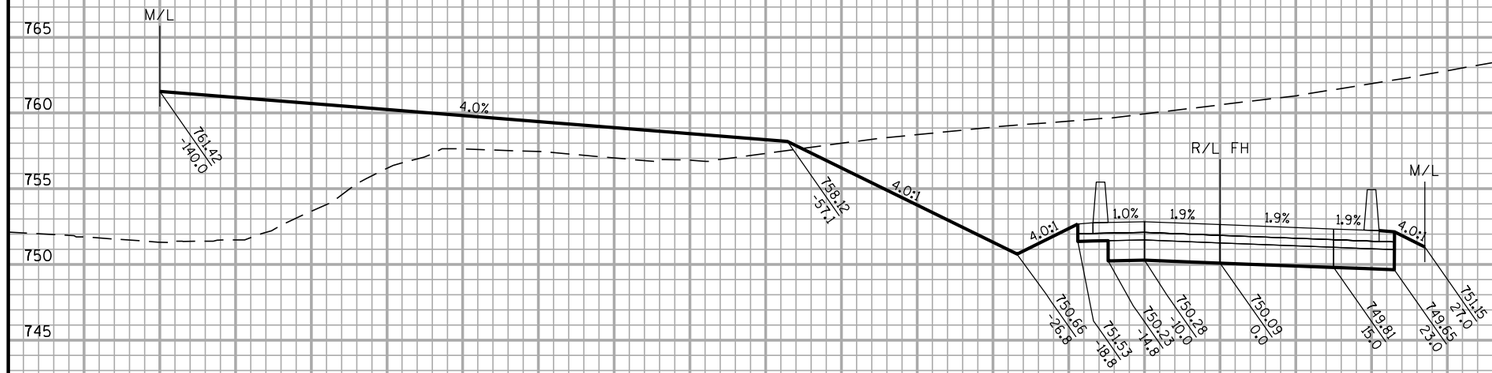


9 9

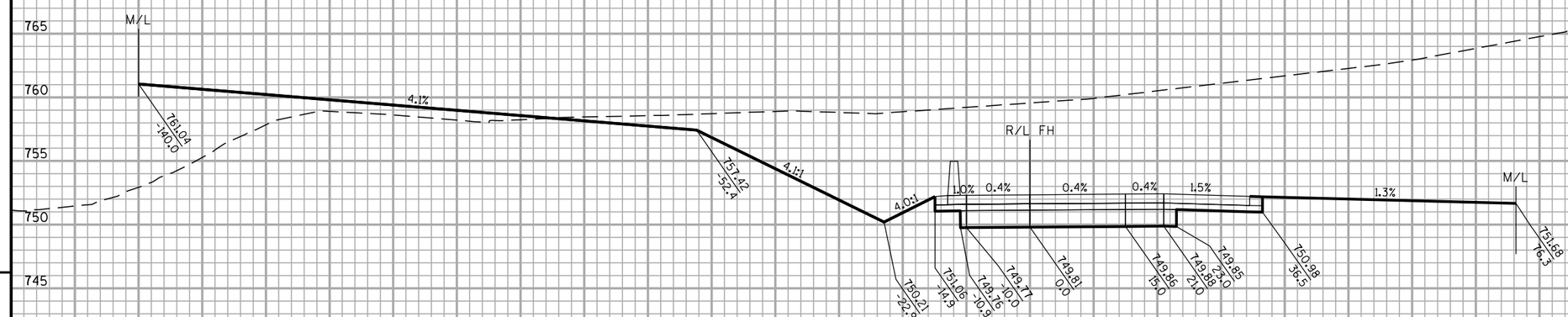
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:42 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh3 PLOT SCALE : 20:1

ALL WORK STAGE 6



794+00



793+50

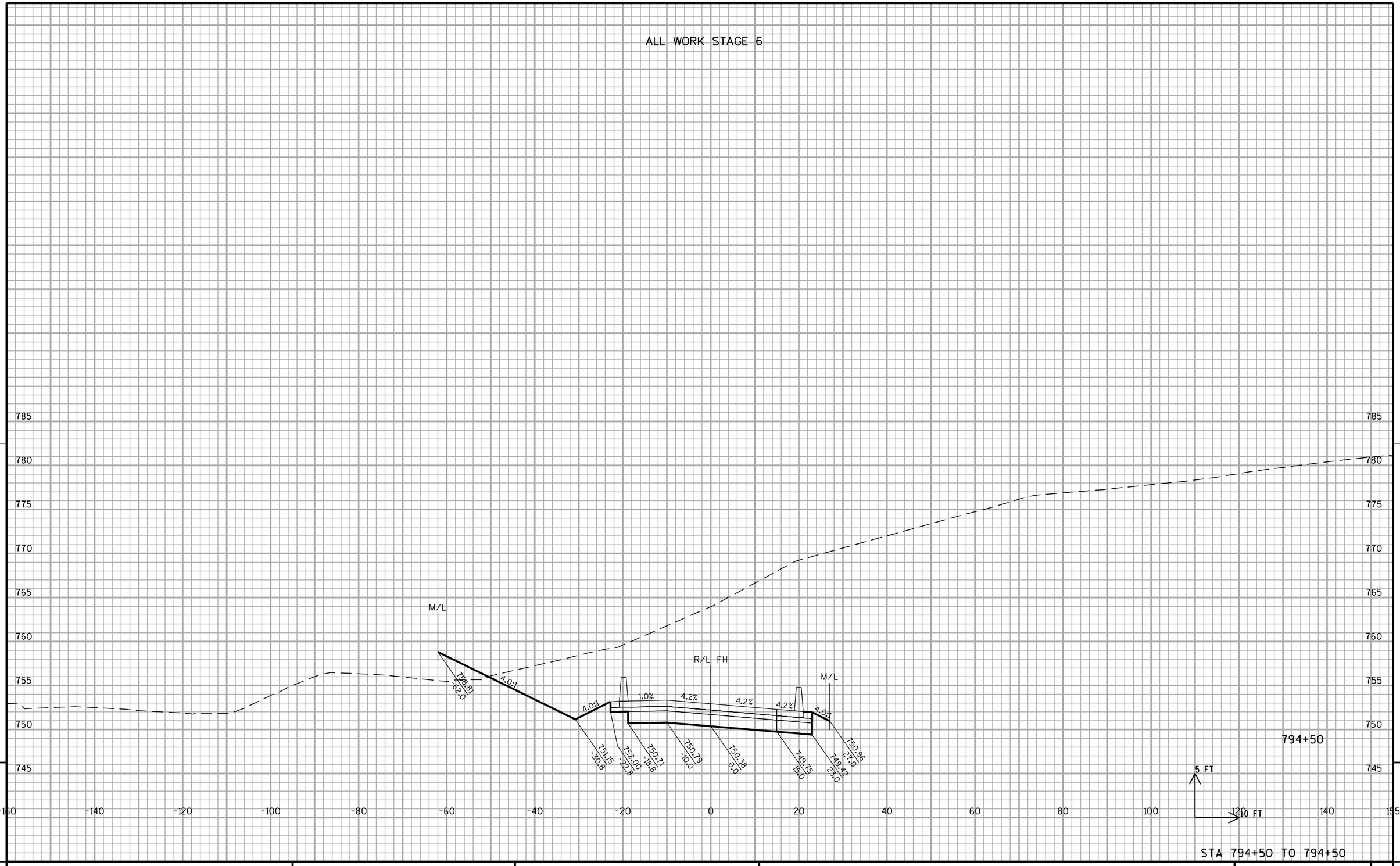
5 FT
10 FT

STA 793+50 TO 794+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:42 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh4 PLOT SCALE : 20:1

ALL WORK STAGE 6

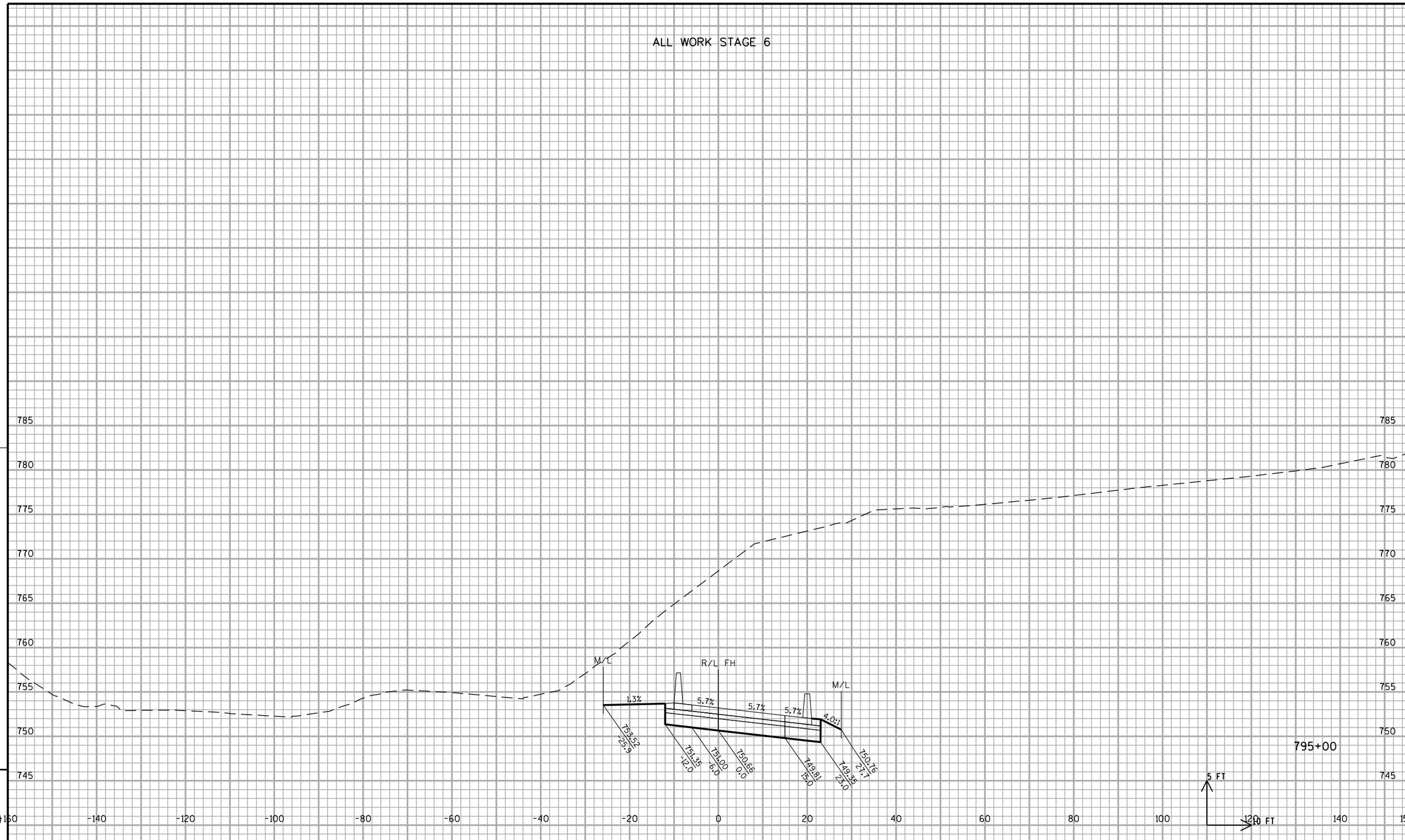


STA 794+50 TO 794+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh5 PLOT SCALE : 20:1

ALL WORK STAGE 6

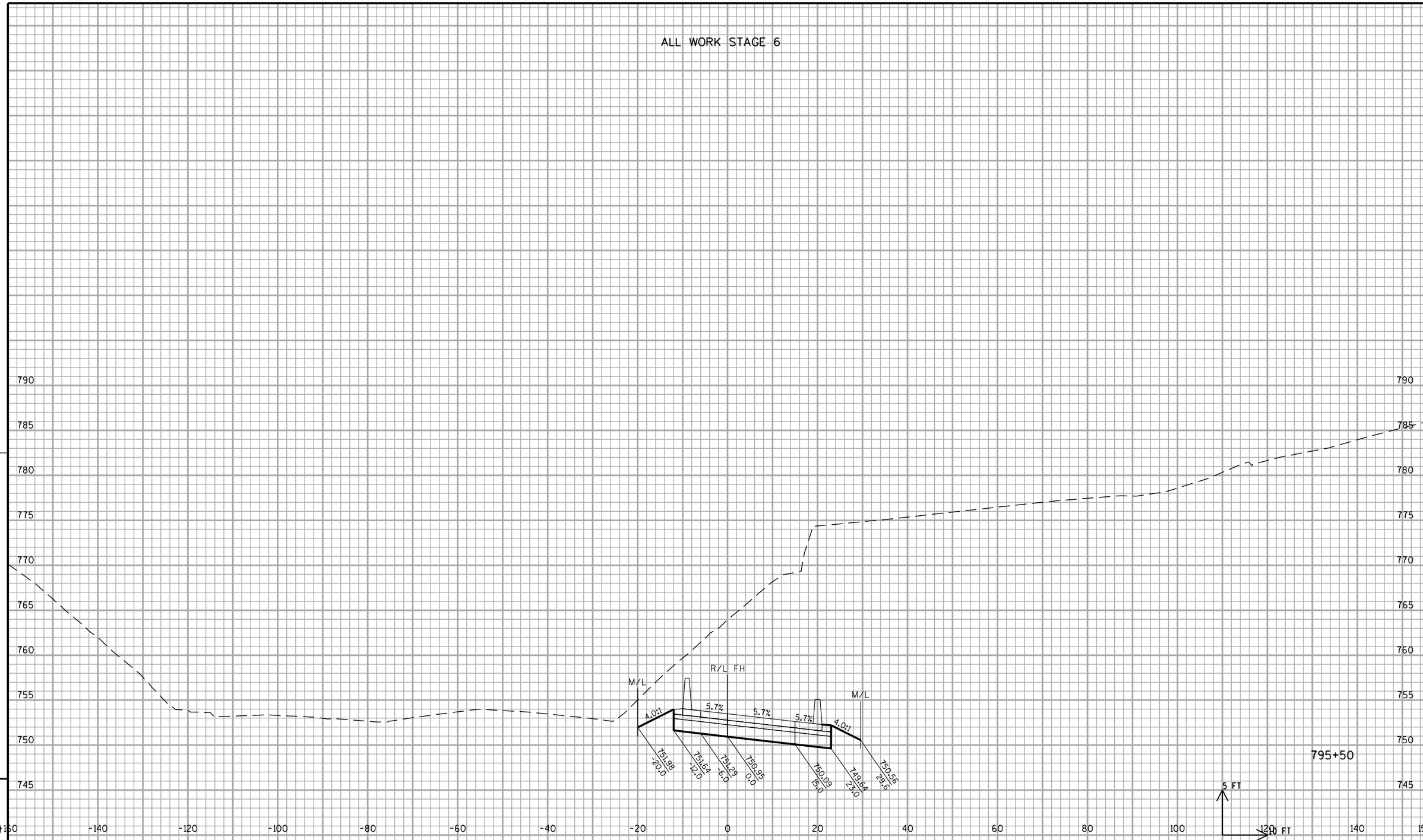


STA 795+00 TO 795+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh6 PLOT SCALE : 20:1

ALL WORK STAGE 6

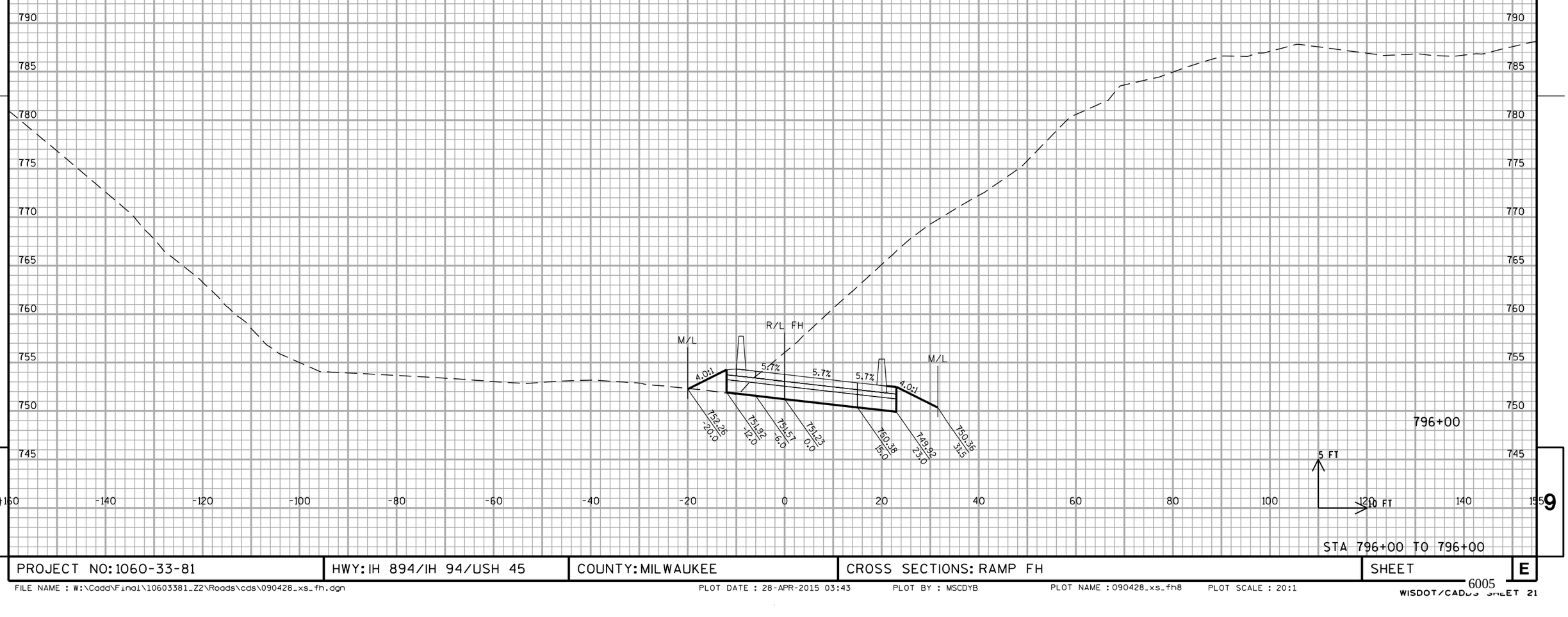


STA 795+50 TO 795+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh7 PLOT SCALE : 20:1

ALL WORK STAGE 6

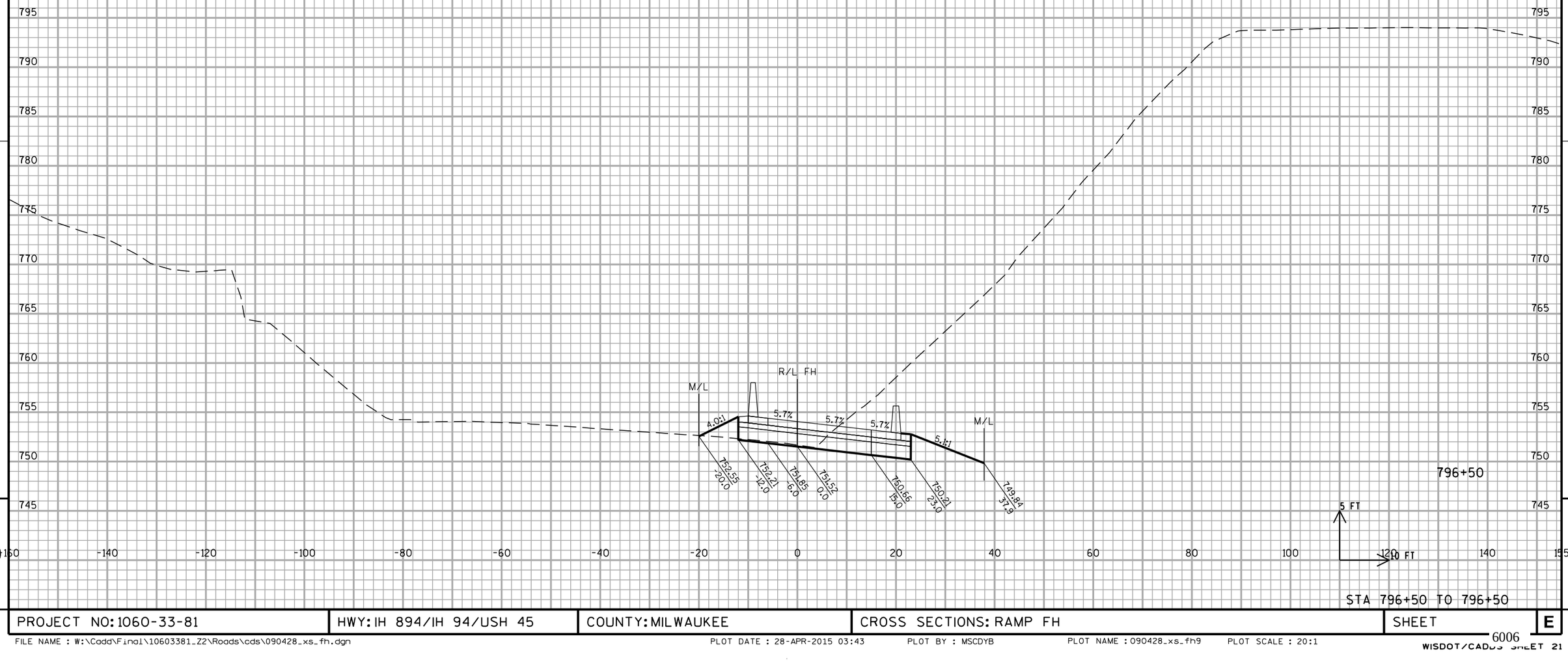


STA 796+00 TO 796+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh8 PLOT SCALE : 20:1

ALL WORK STAGE 6

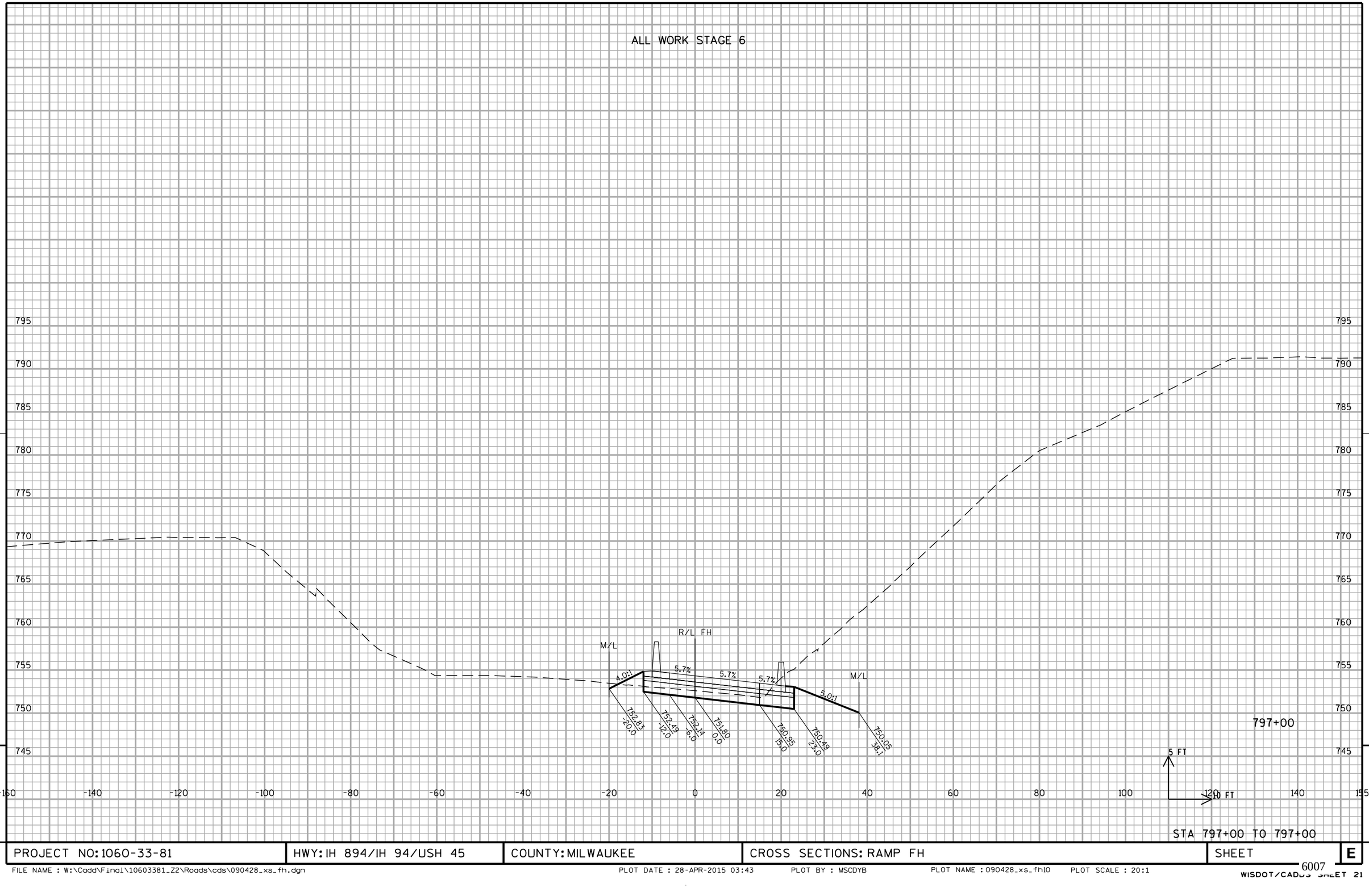


STA 796+50 TO 796+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh9 PLOT SCALE : 20:1

ALL WORK STAGE 6

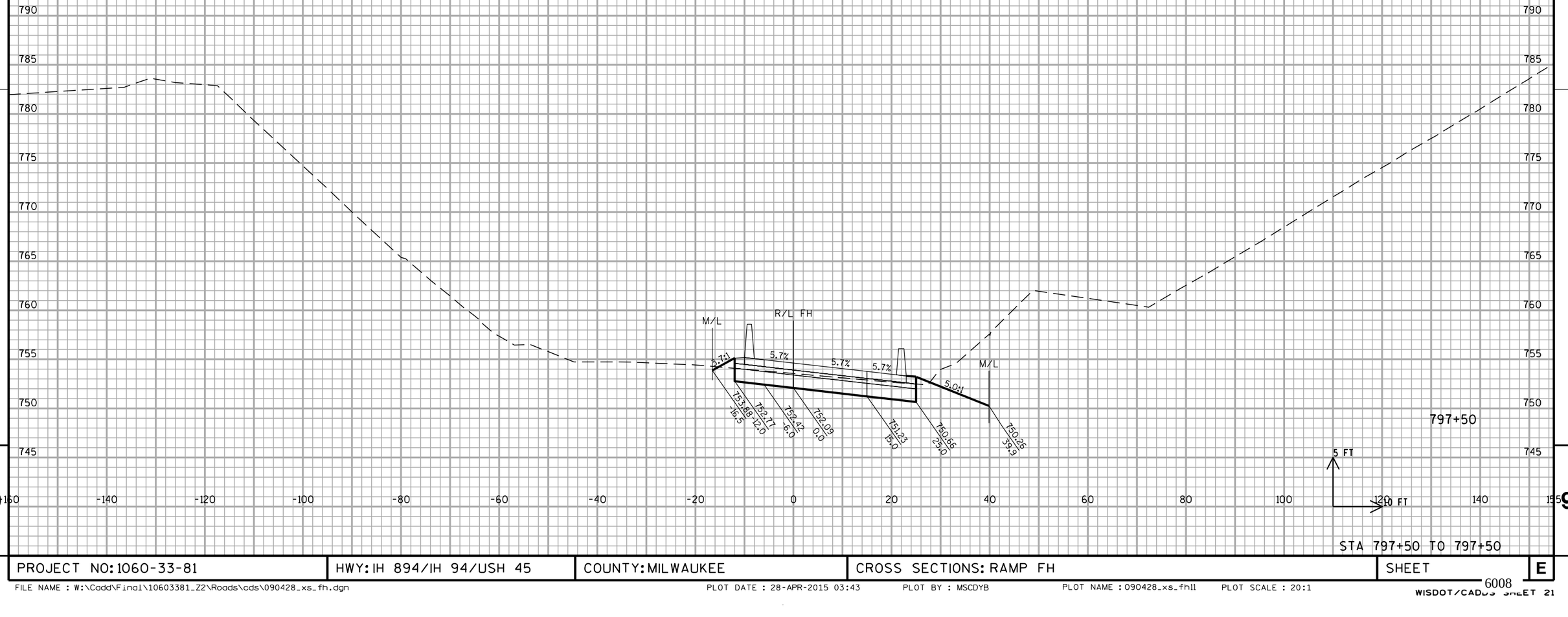


STA 797+00 TO 797+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh10 PLOT SCALE : 20:1

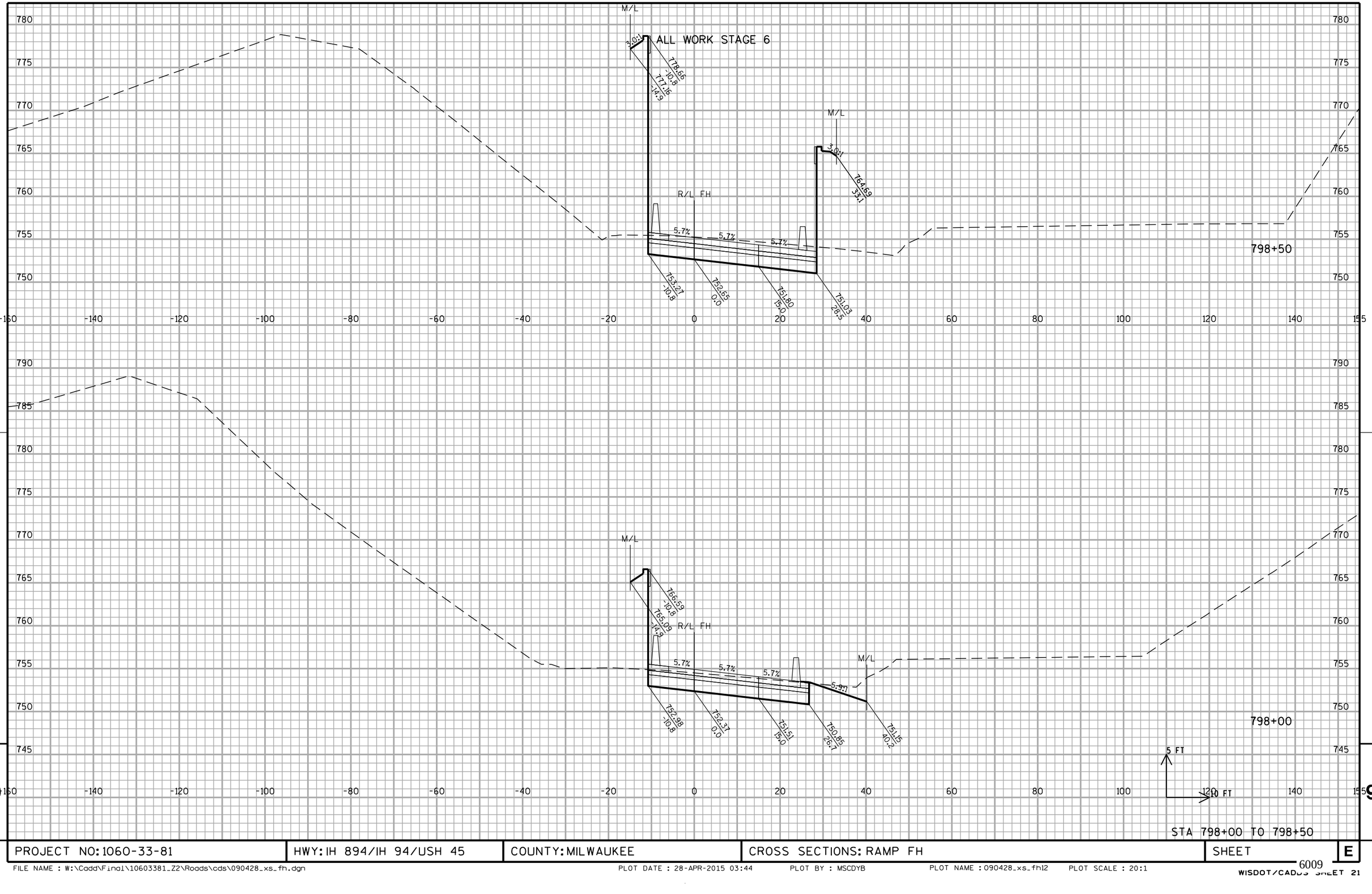
ALL WORK STAGE 6



STA 797+50 TO 797+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:43 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh11 PLOT SCALE : 20:1

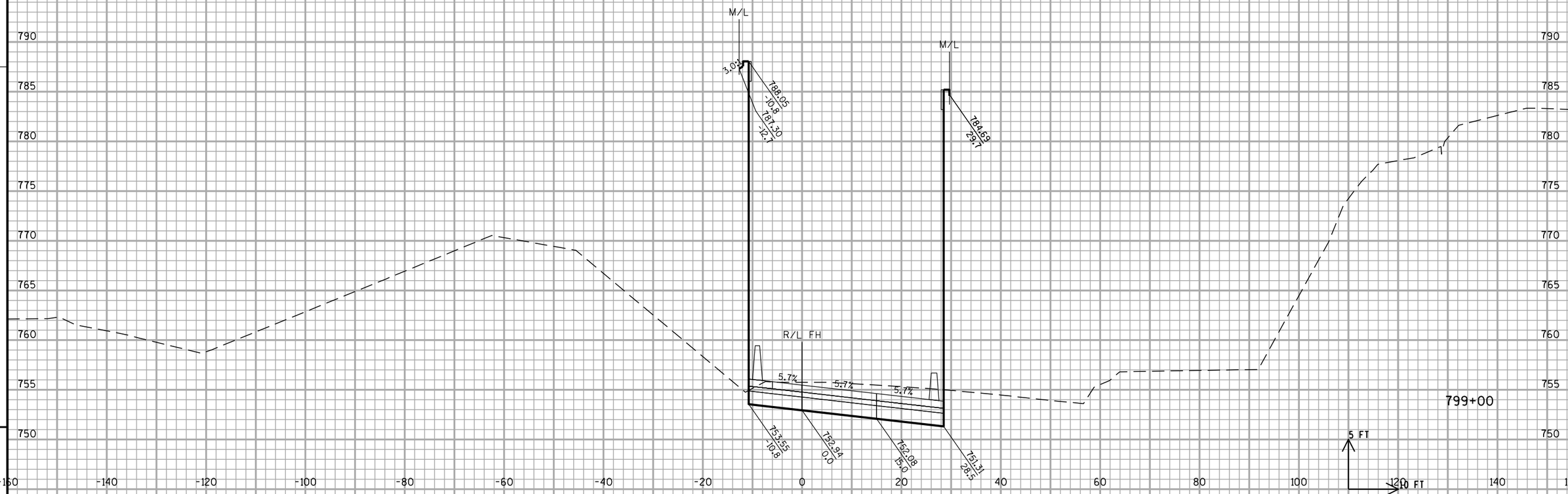


STA 798+00 TO 798+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:44 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh12 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 799+00 TO 799+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

ALL WORK STAGE 6

0.0%
775.76
-10.8
775.26
26.5
R/L FH
5.7%
5.7%
5.7%
753.84
-10.8
753.22
0.0
752.37
15.0
754.18
26.5
751.64
27.6
799+50

M/L
789.20
-10.8
788.49
-12.5
788.00
26.5
R/L FH
5.7%
5.7%
5.7%
753.59
-10.8
752.98
0.0
752.12
15.0
751.36
26.5
799+07

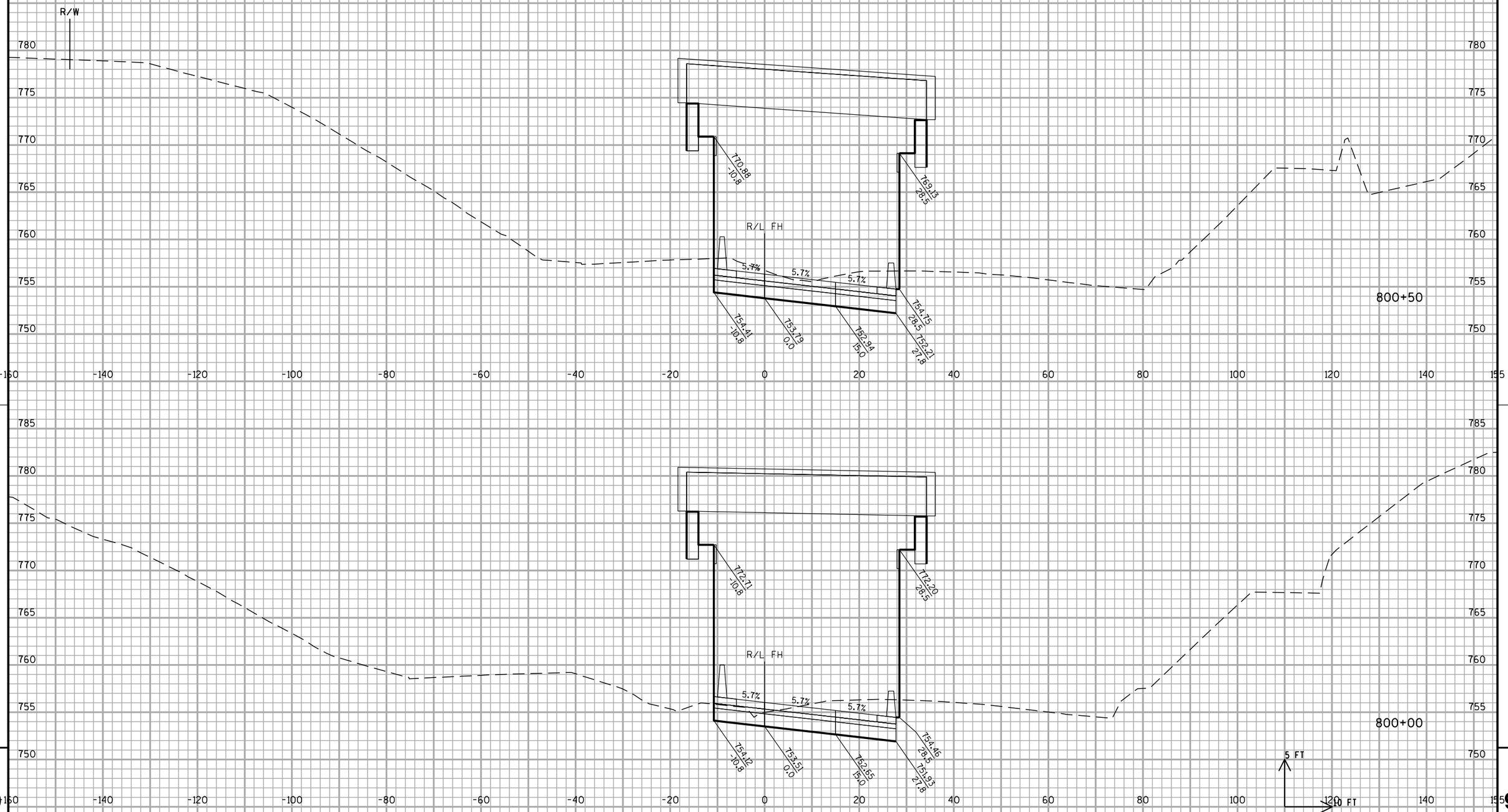
5 FT
10 FT

STA 799+07 TO 799+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:44 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh14 PLOT SCALE : 20:1

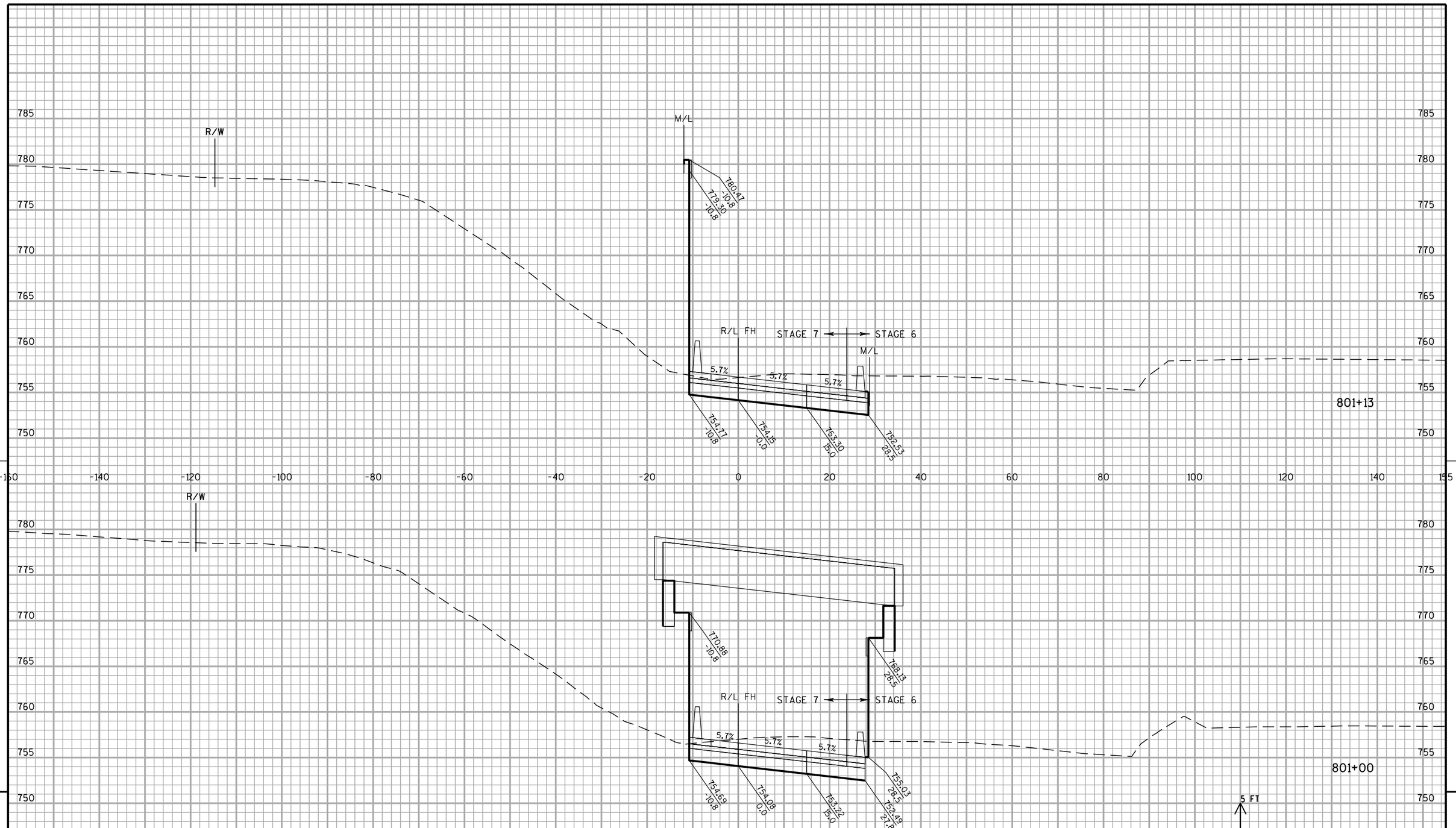
ALL WORK STAGE 6



STA 800+00 TO 800+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:44 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh15 PLOT SCALE : 20:1

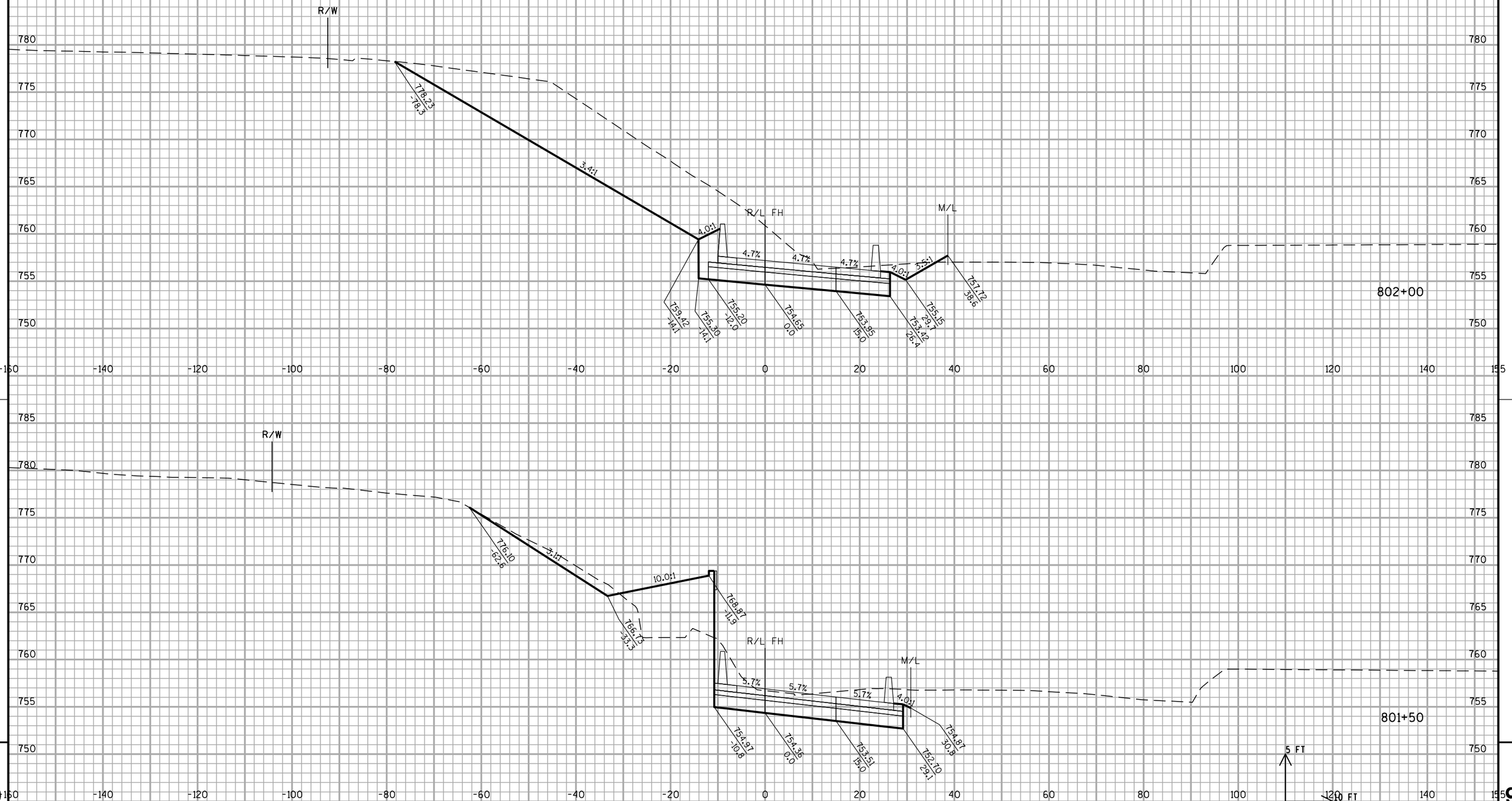


STA 801+00 TO 801+13

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:44 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh16 PLOT SCALE : 20:1

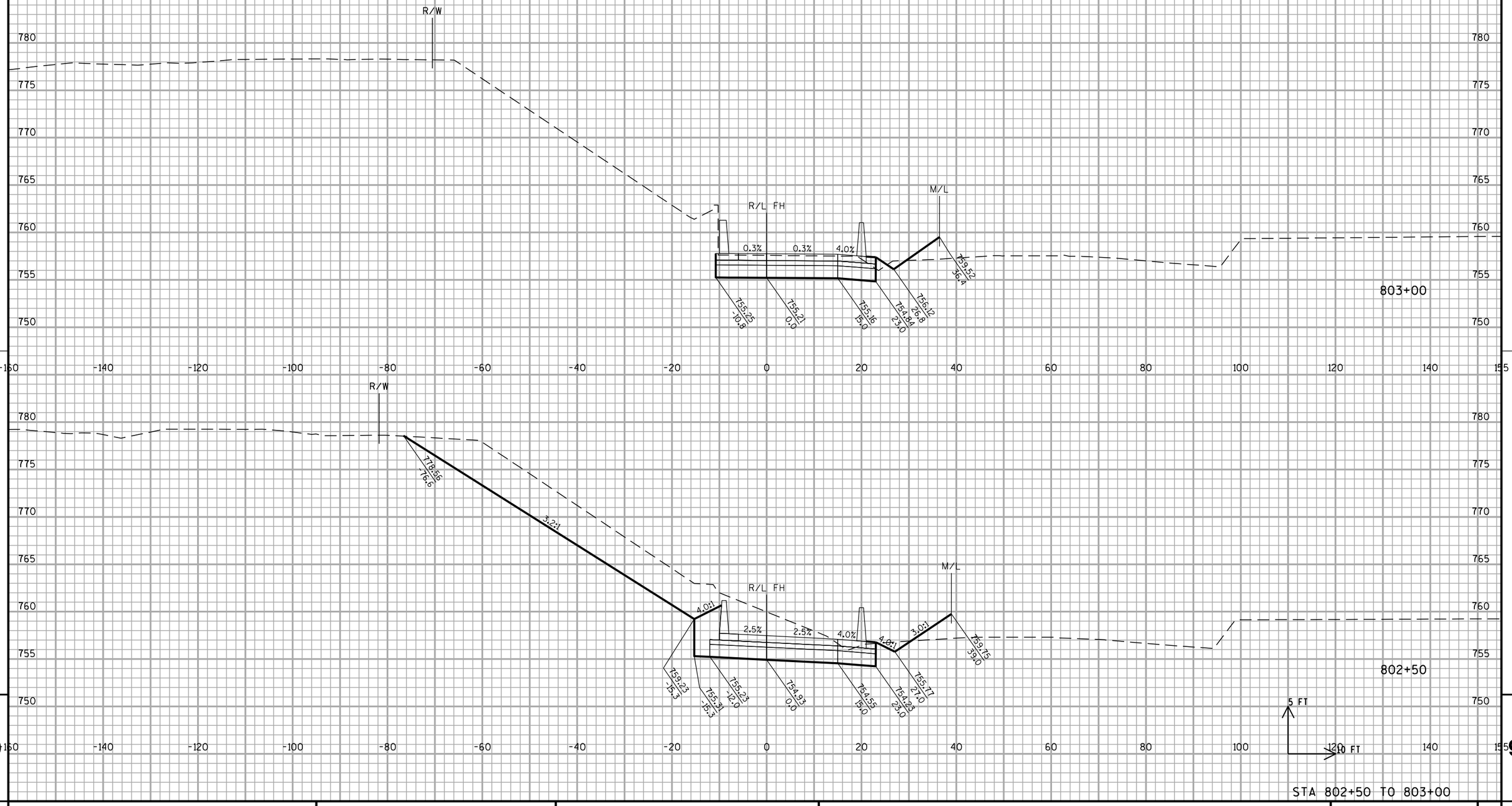
ALL WORK STAGE 7



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:44 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh17 PLOT SCALE : 20:1

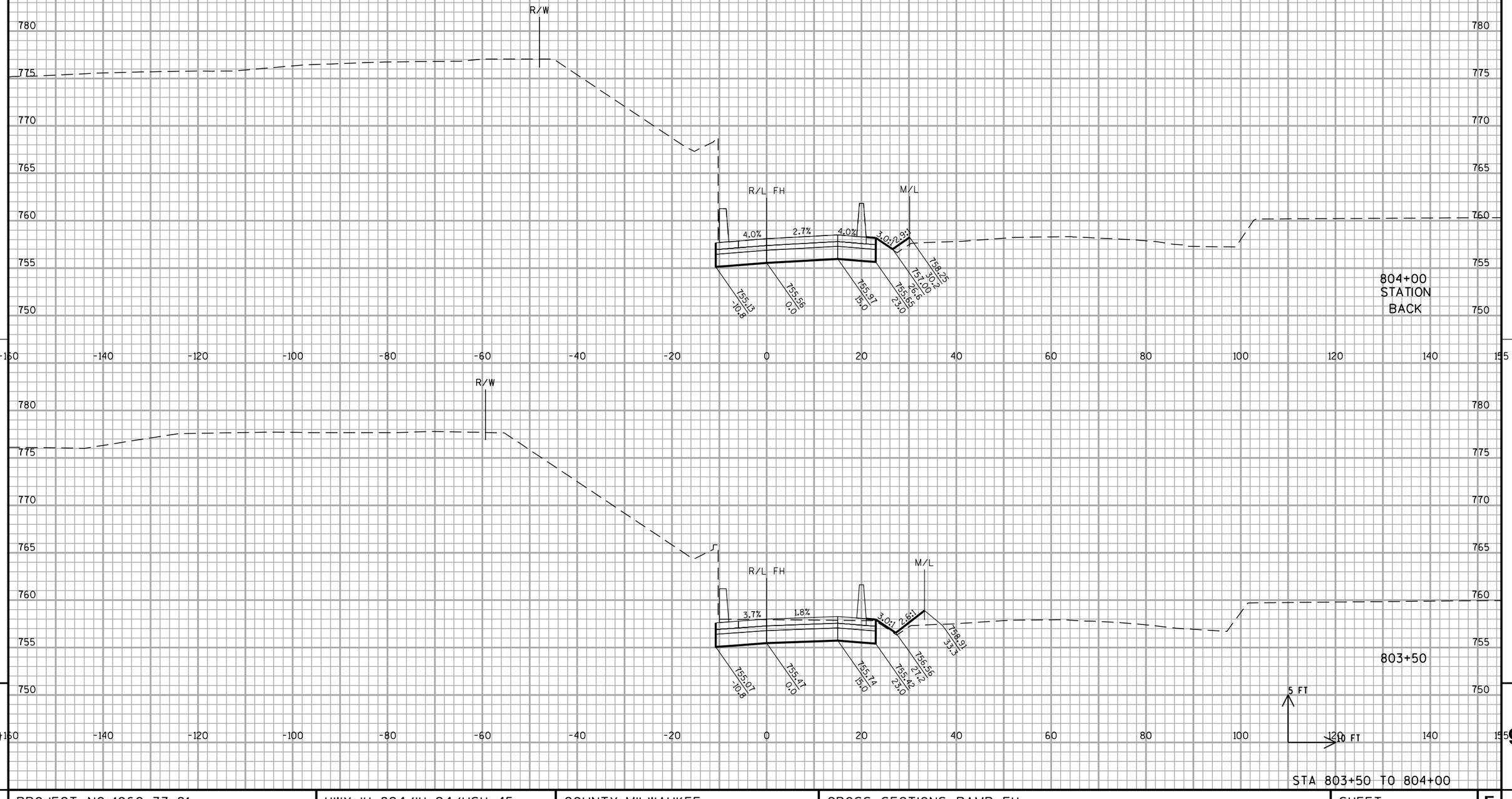
ALL WORK STAGE 7



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh18 PLOT SCALE : 20:1

ALL WORK STAGE 7

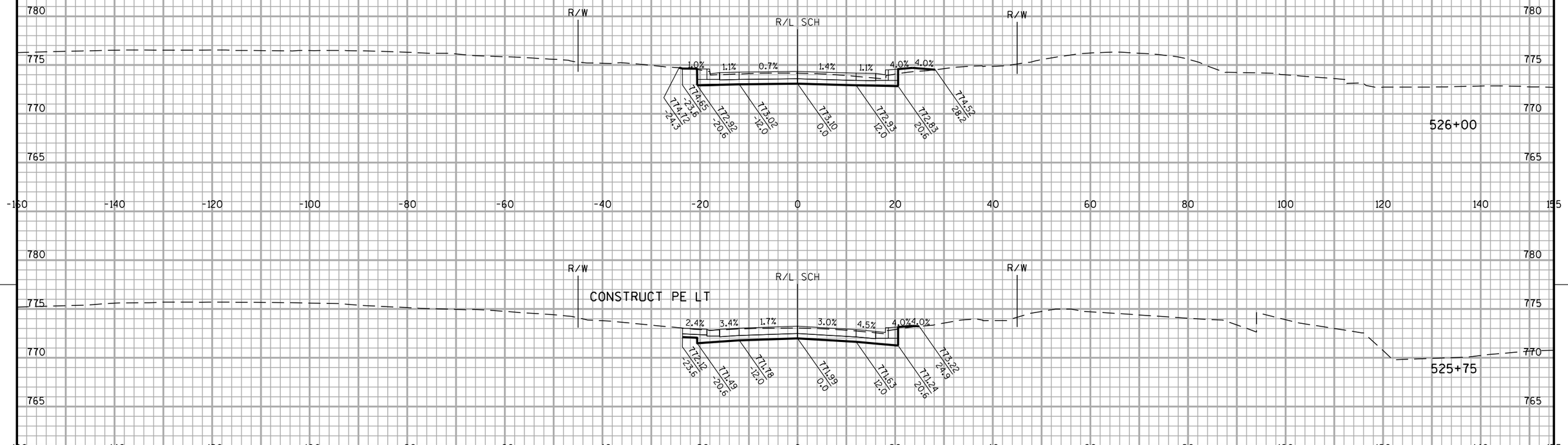


STA 803+50 TO 804+00

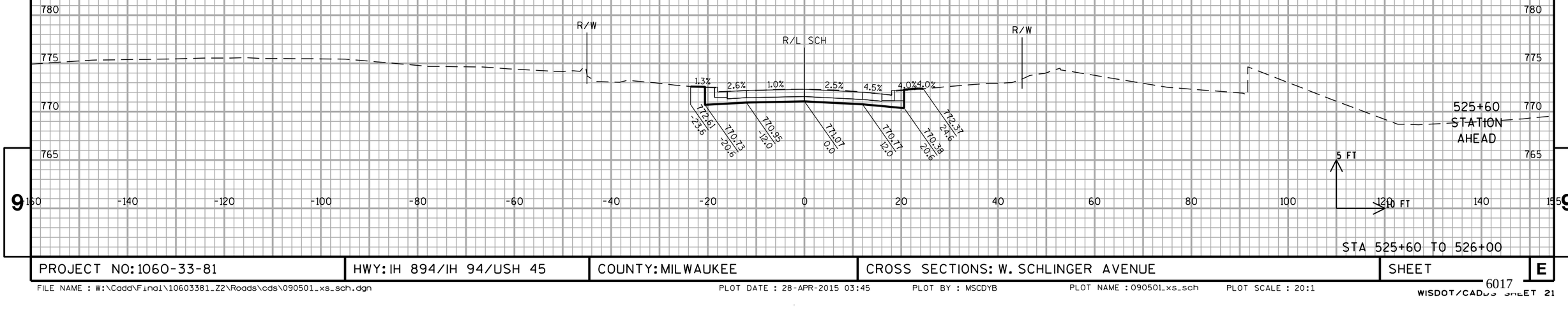
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP FH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090428_xs_fh.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090428_xs_fh19 PLOT SCALE : 20:1

ALL WORK STAGE 8



CONSTRUCT PE LT



STA 525+60 TO 526+00

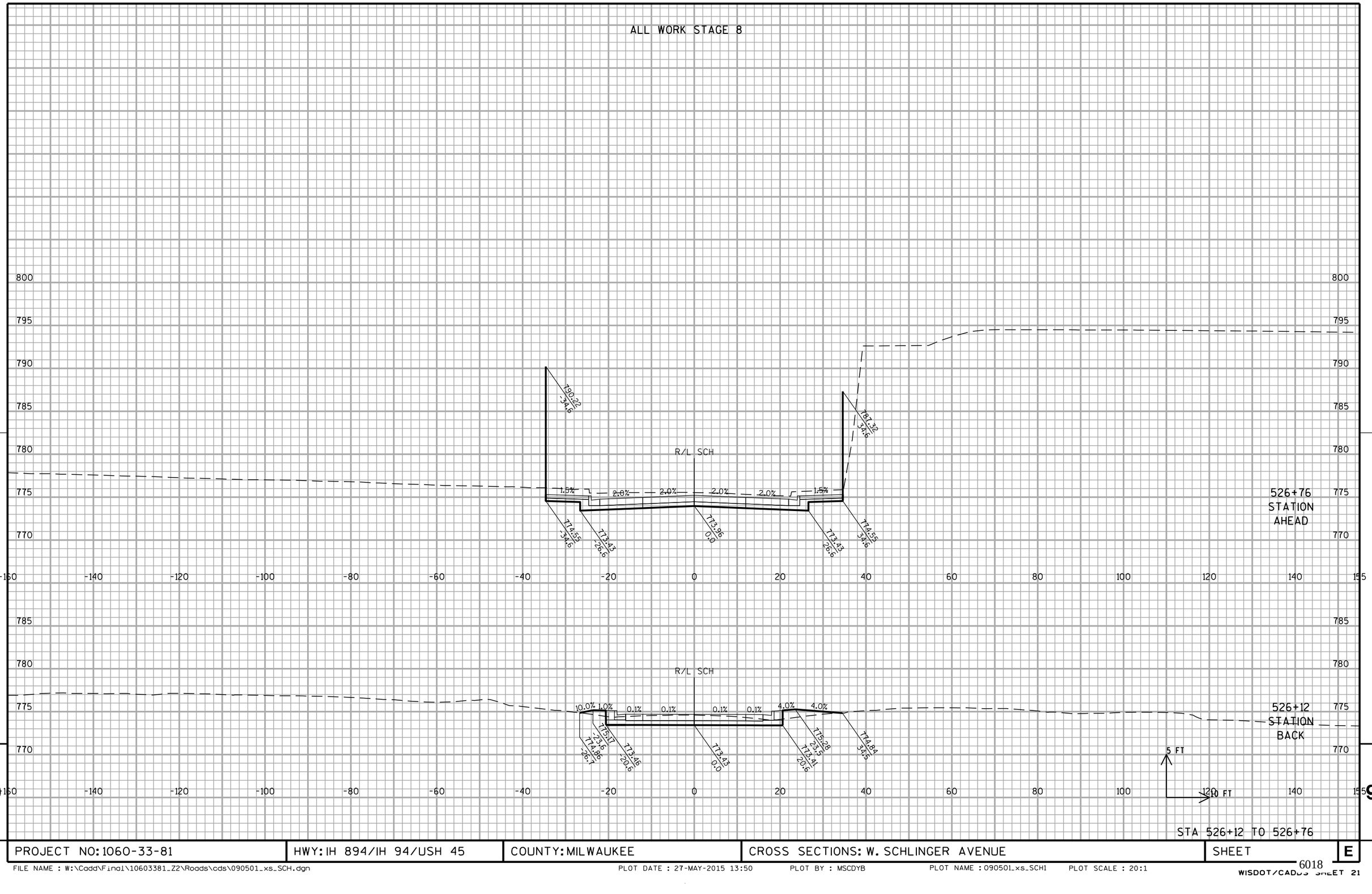
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_sch.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090501_xs_sch PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

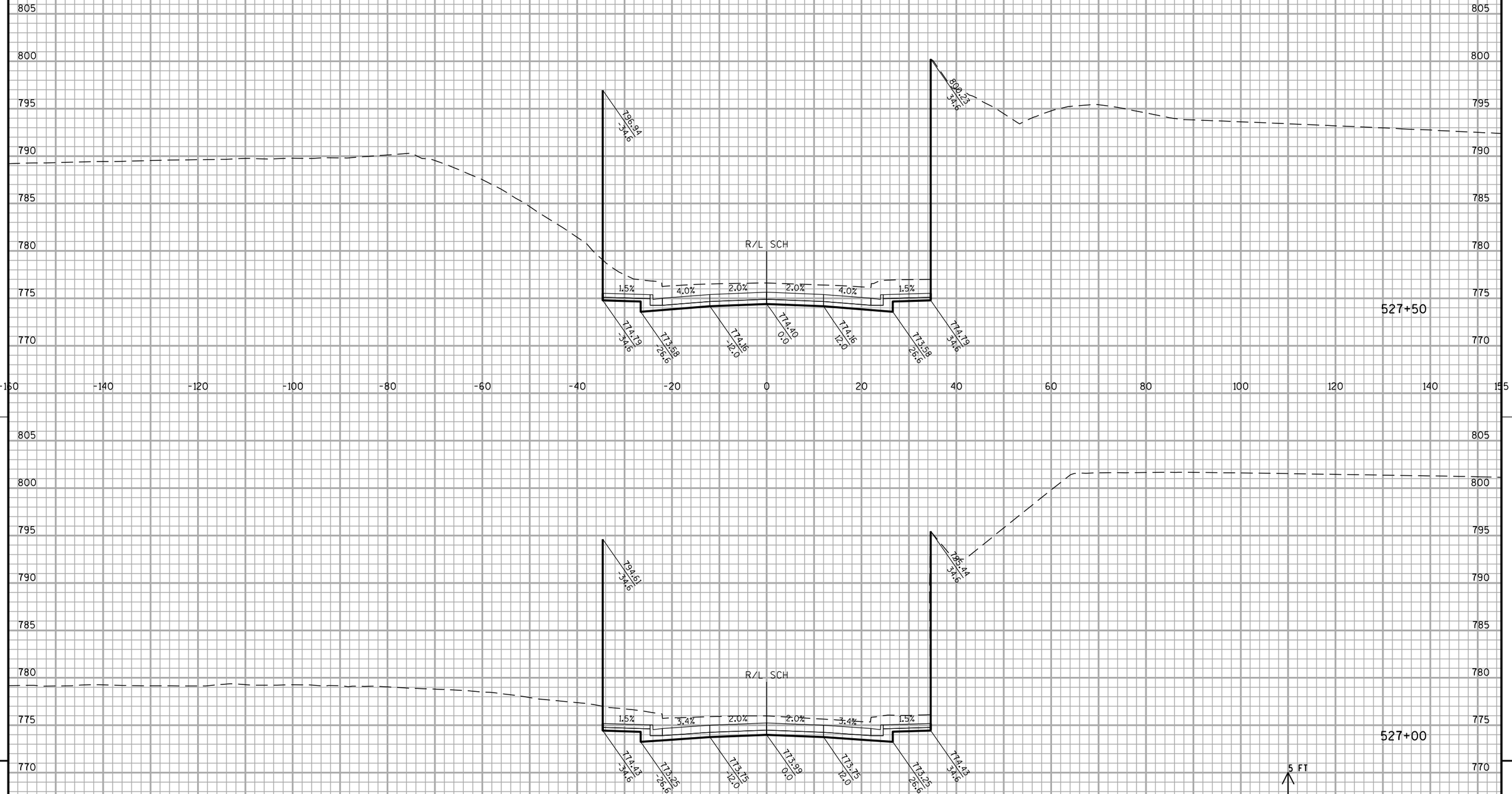
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

STA 526+12 TO 526+76

ALL WORK STAGE 8



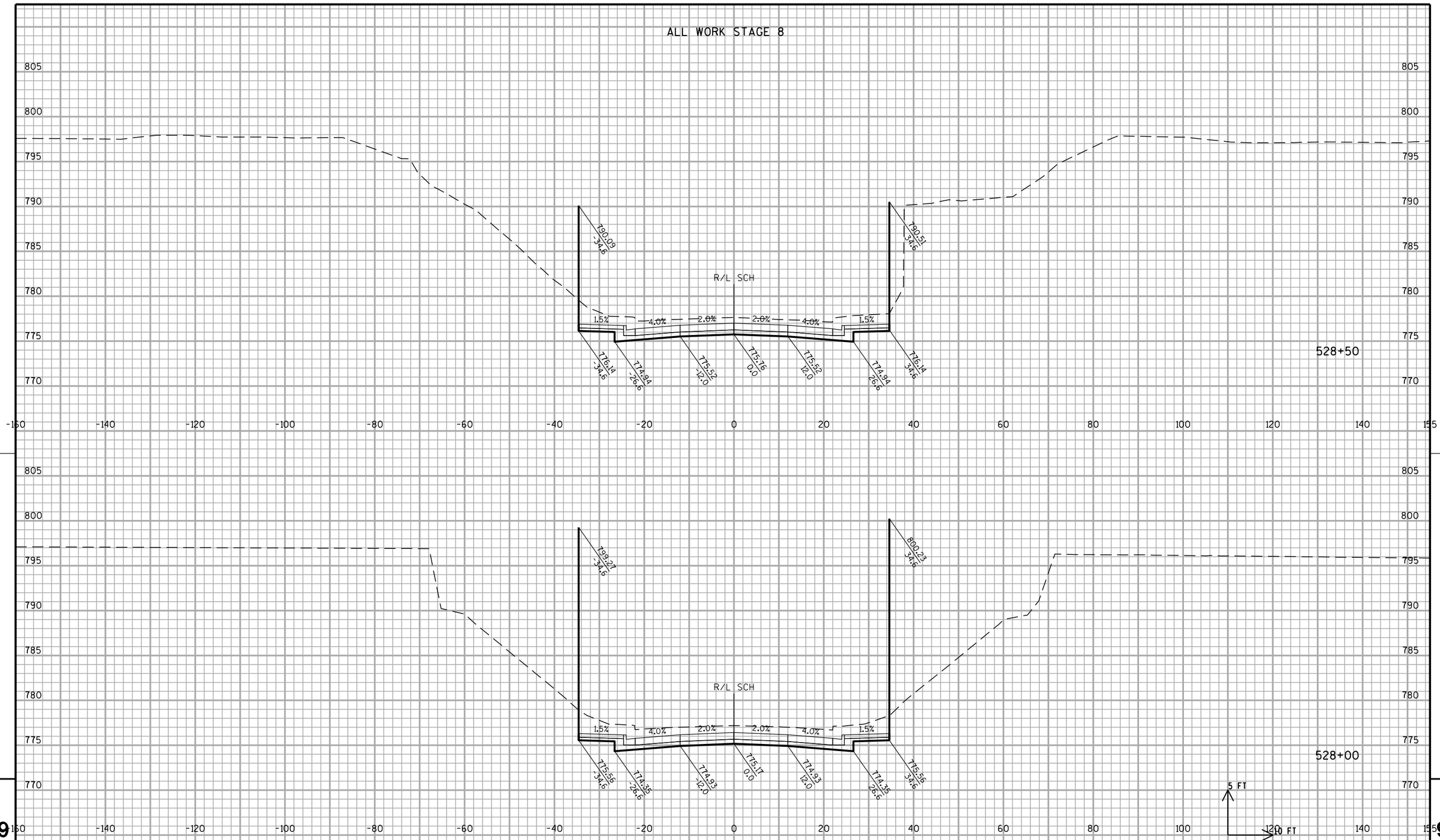
STA 527+00 TO 527+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



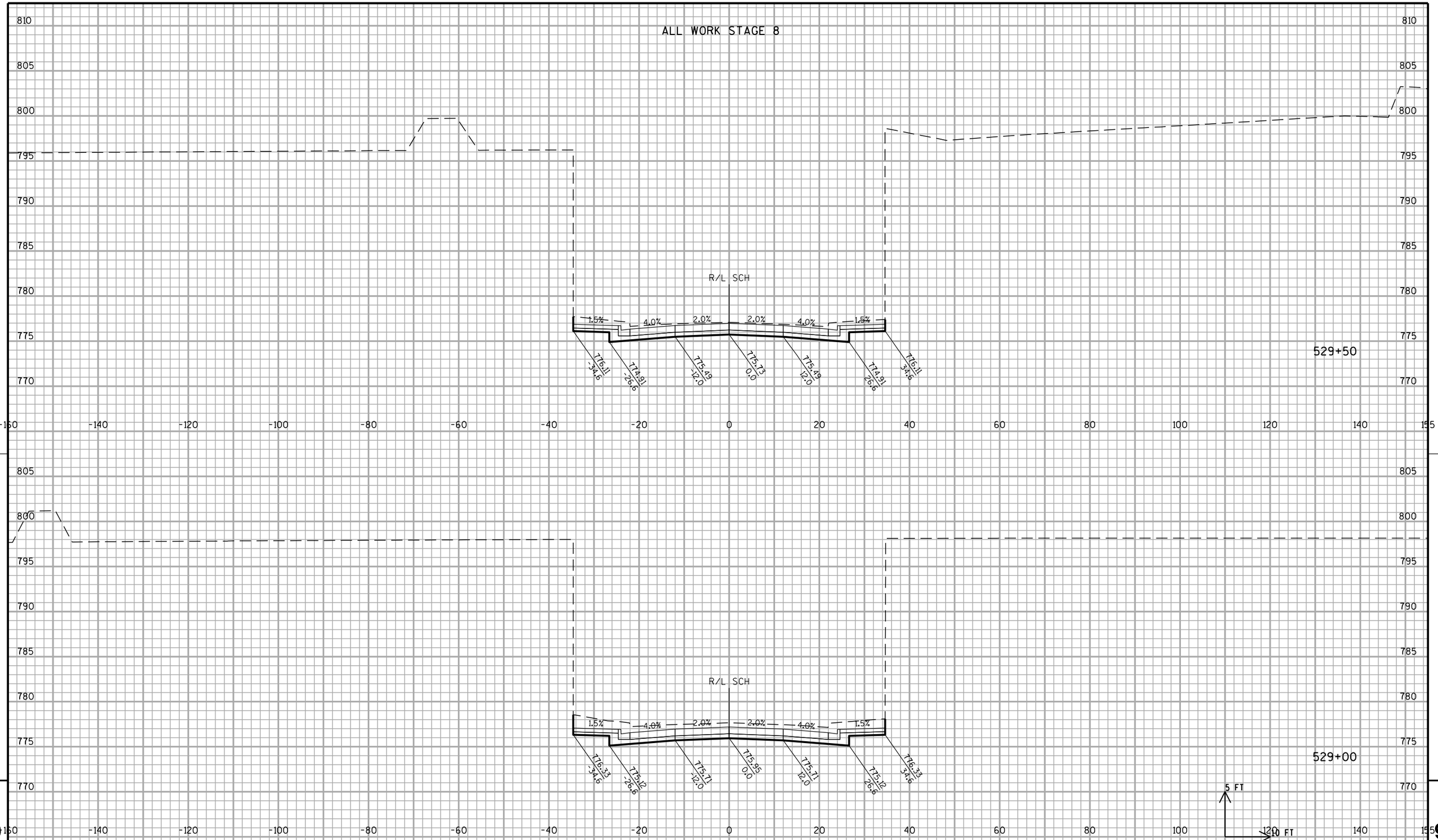
STA 528+00 TO 528+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

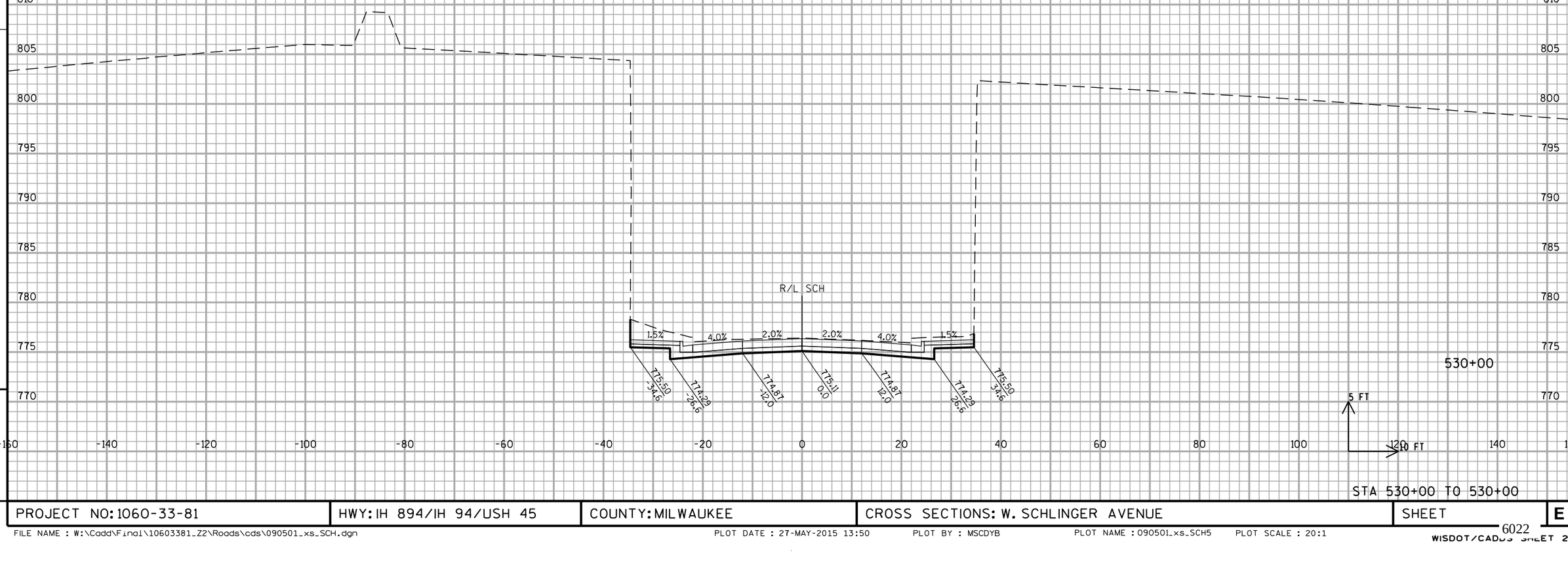


STA 529+00 TO 529+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH4 PLOT SCALE : 20:1

ALL WORK STAGE 8

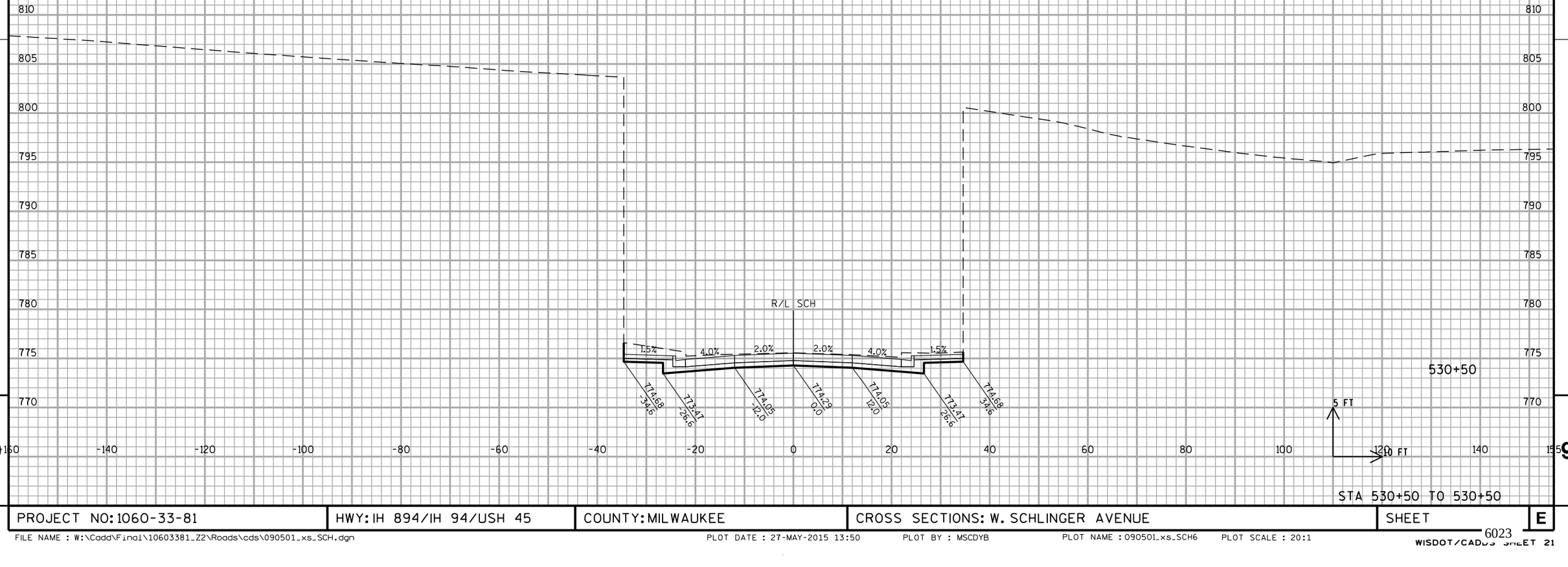


STA 530+00 TO 530+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH5 PLOT SCALE : 20:1

ALL WORK STAGE 8

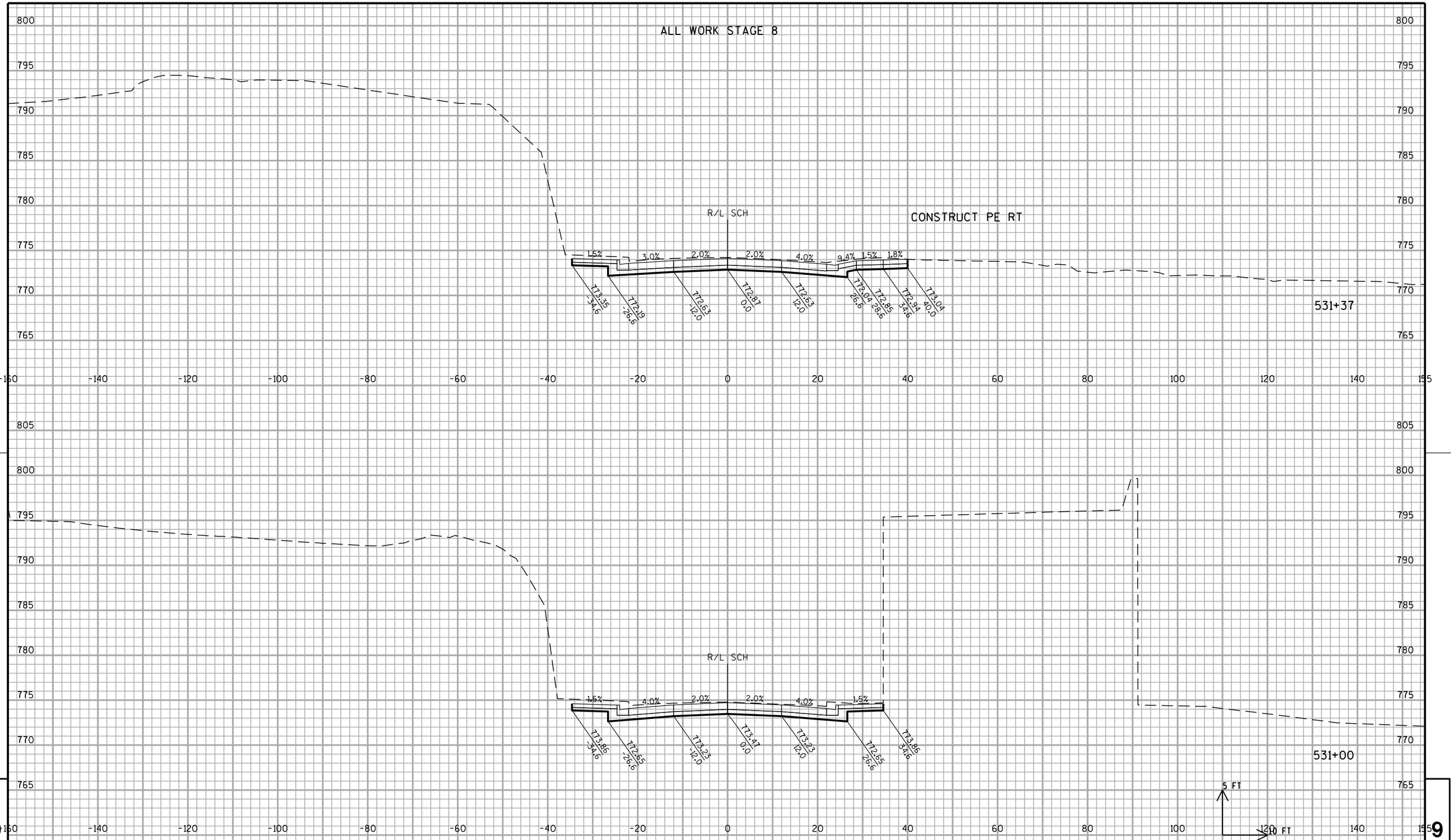


STA 530+50 TO 530+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH6 PLOT SCALE : 20:1

ALL WORK STAGE 8

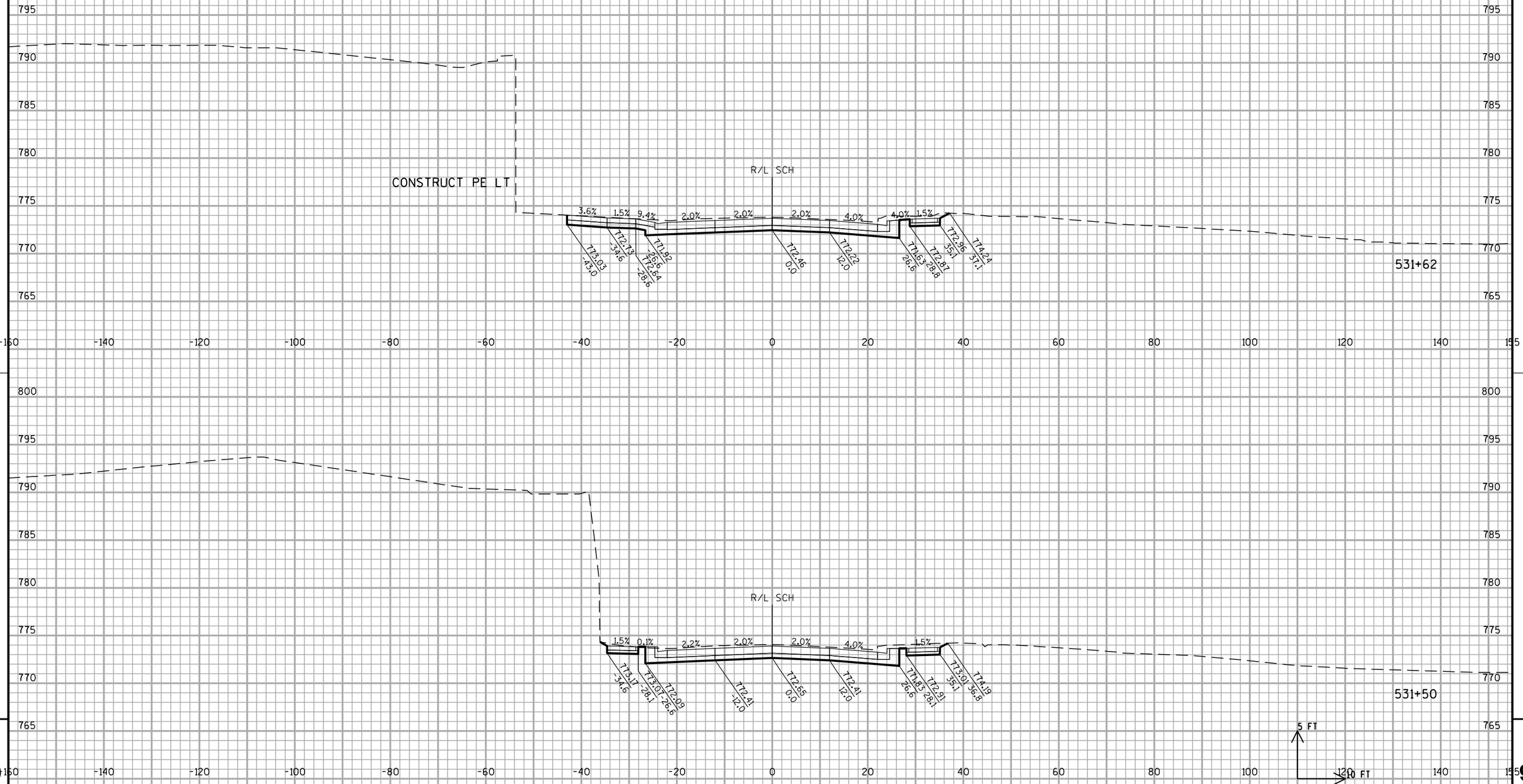


STA 531+00 TO 531+37

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

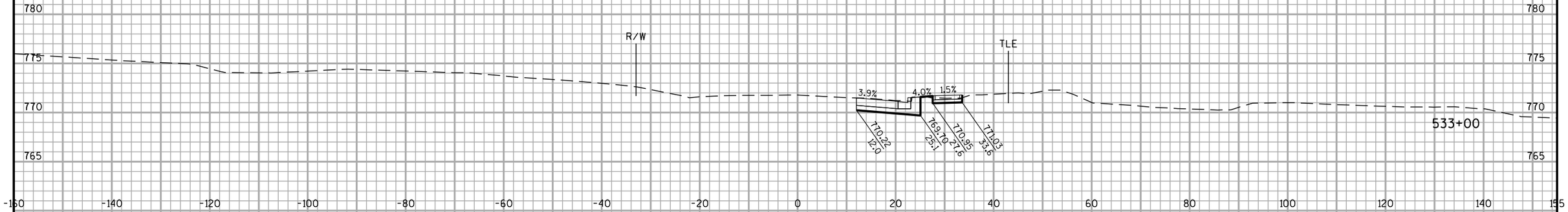
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_SCH.dgn PLOT DATE : 27-MAY-2015 13:50 PLOT BY : MSCDYB PLOT NAME : 090501_xs_SCH7 PLOT SCALE : 20:1

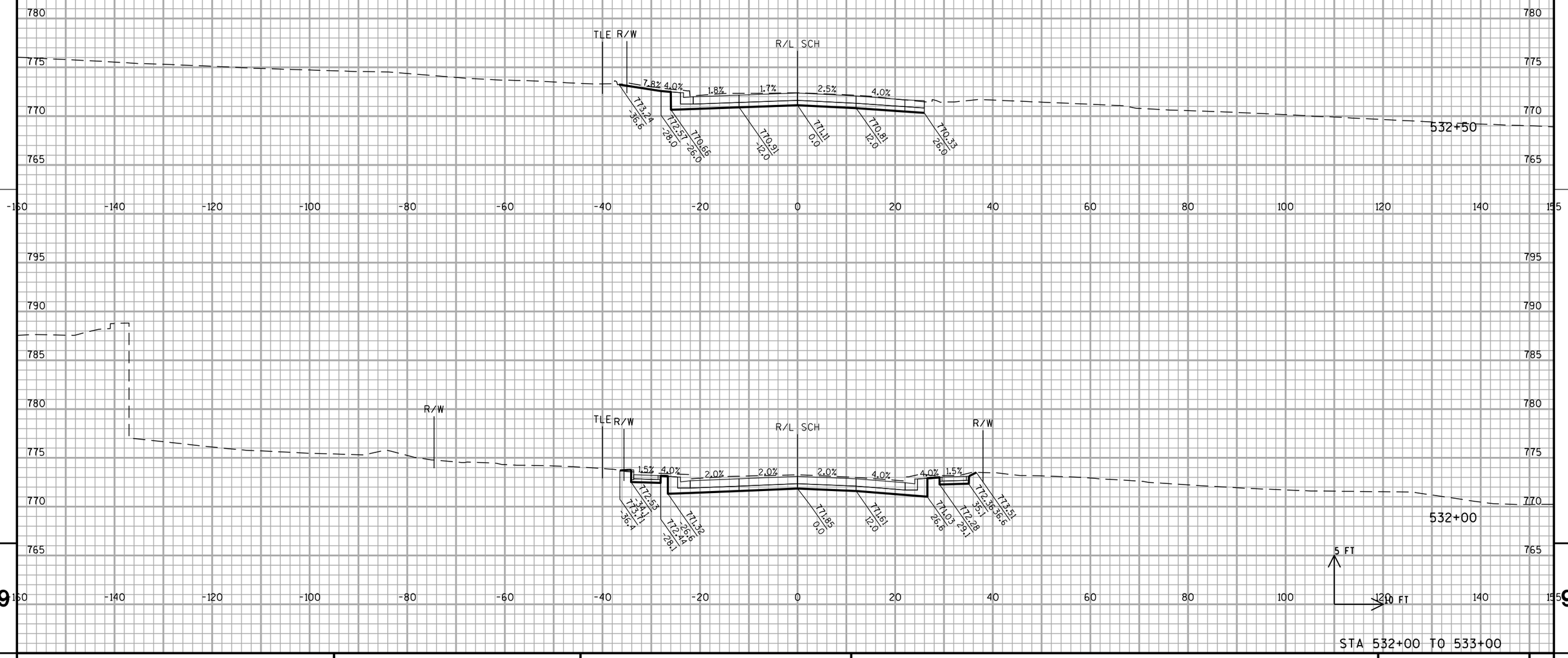
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

ALL WORK STAGE 8





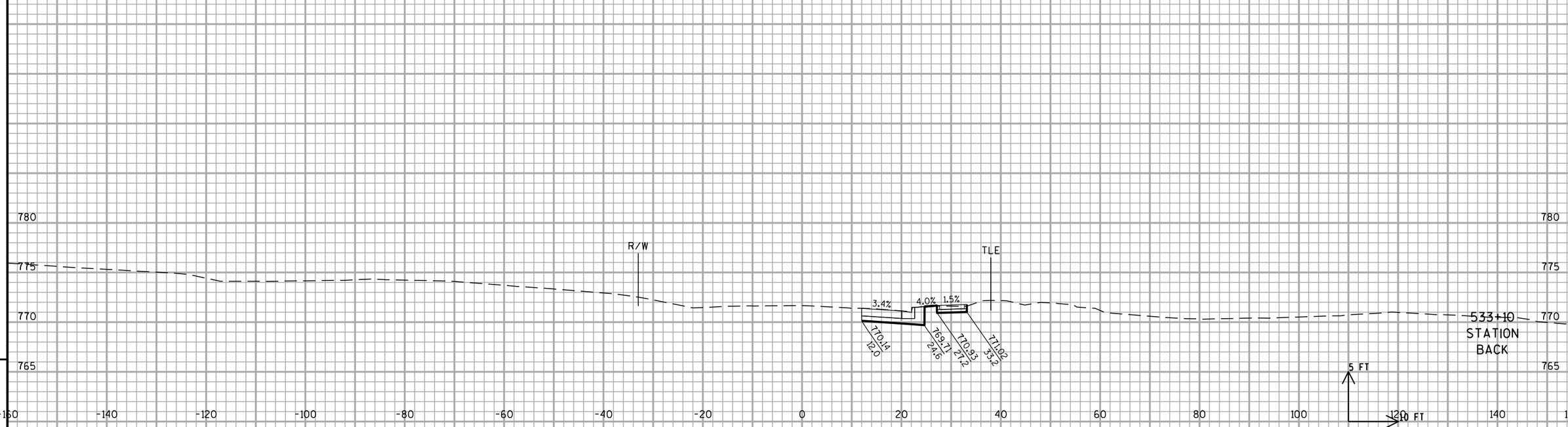
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090501_xs_sch.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090501_xs_sch9 PLOT SCALE : 20:1

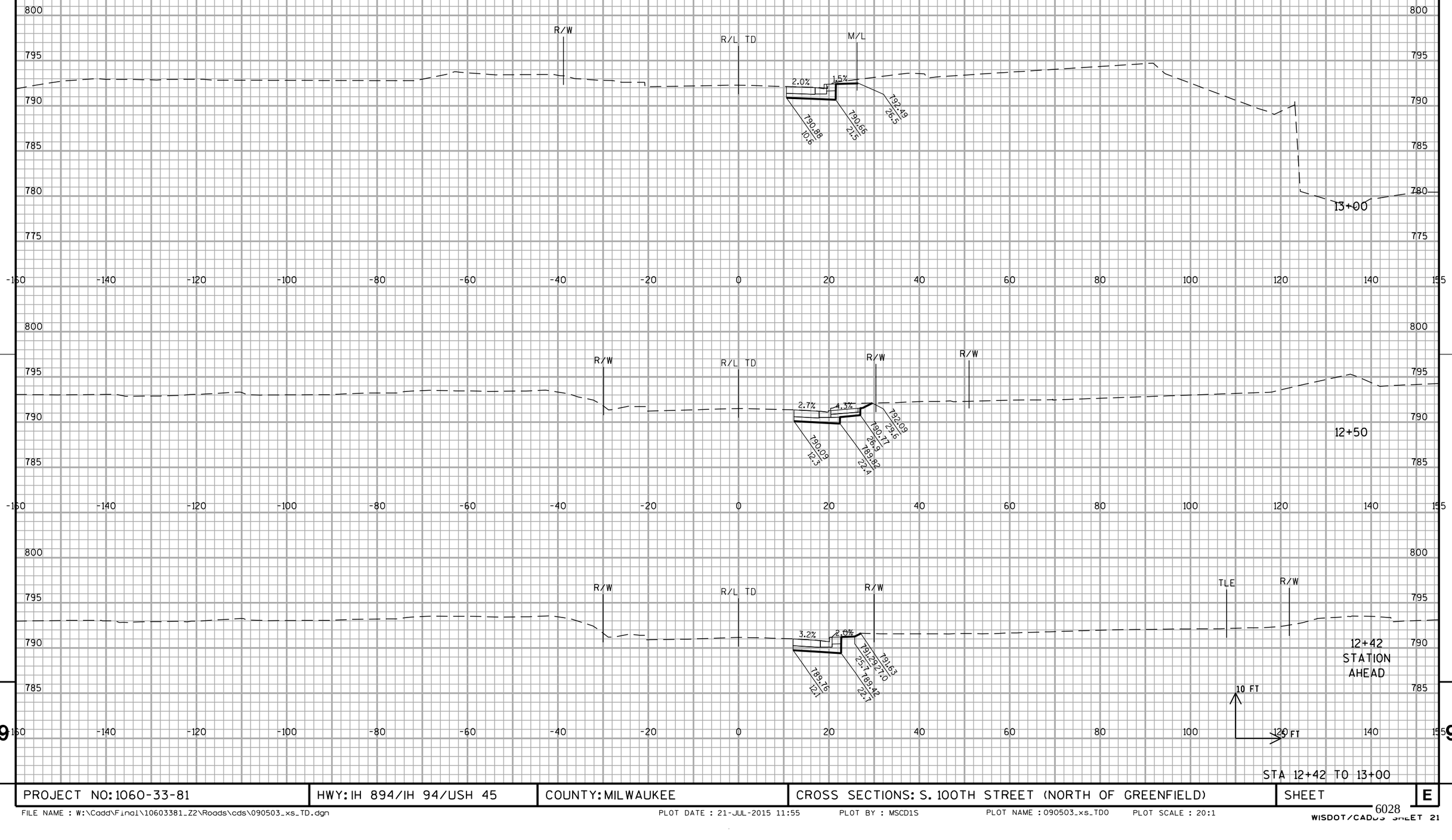
ALL WORK STAGE 8



STA 533+10 TO 533+10

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. SCHLINGER AVENUE	SHEET	E

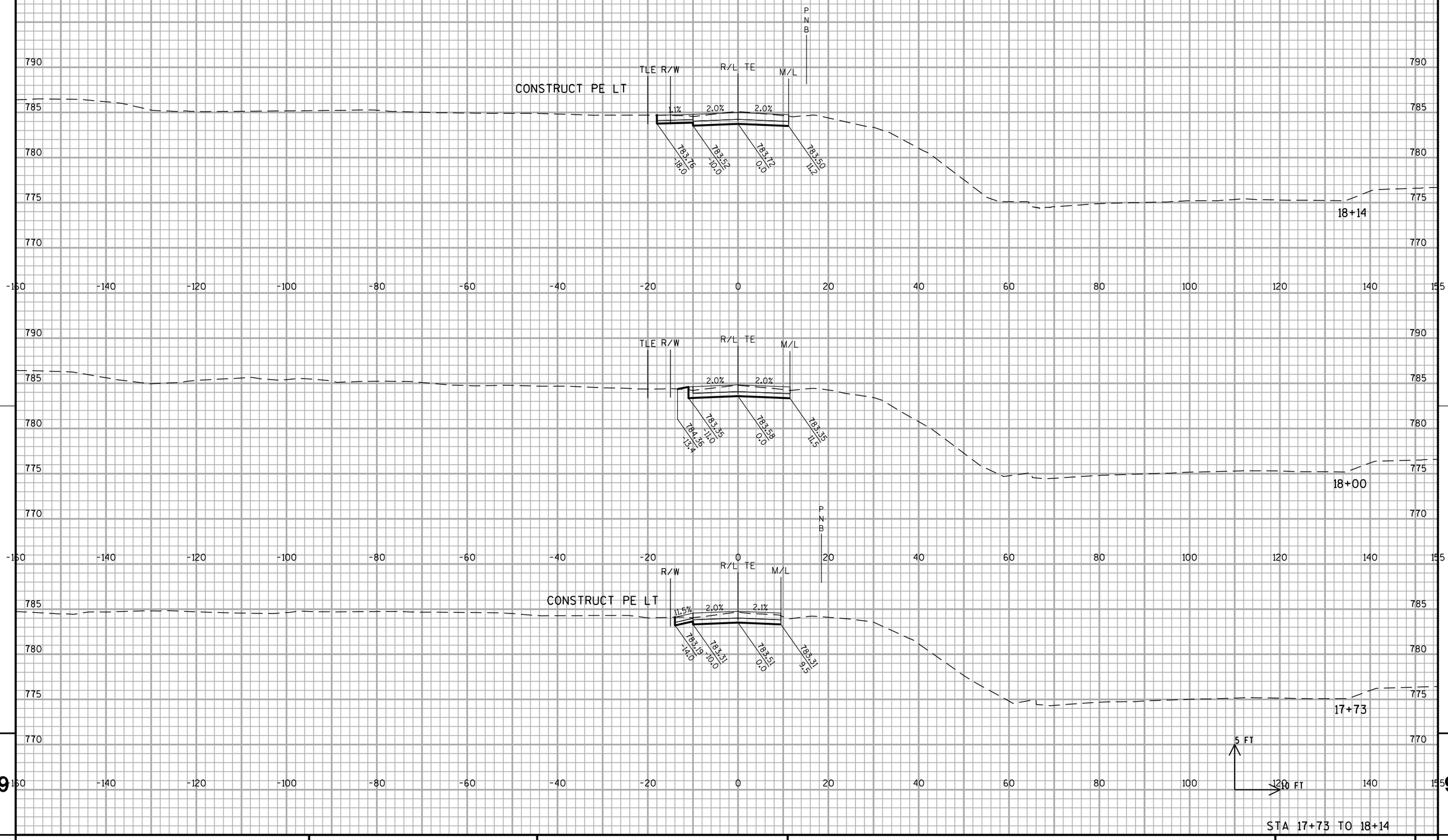
ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_TD.dgn PLOT DATE : 21-JUL-2015 11:55 PLOT BY : MSCD1S PLOT NAME : 090503_xs_TDO PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 17+73 TO 18+14

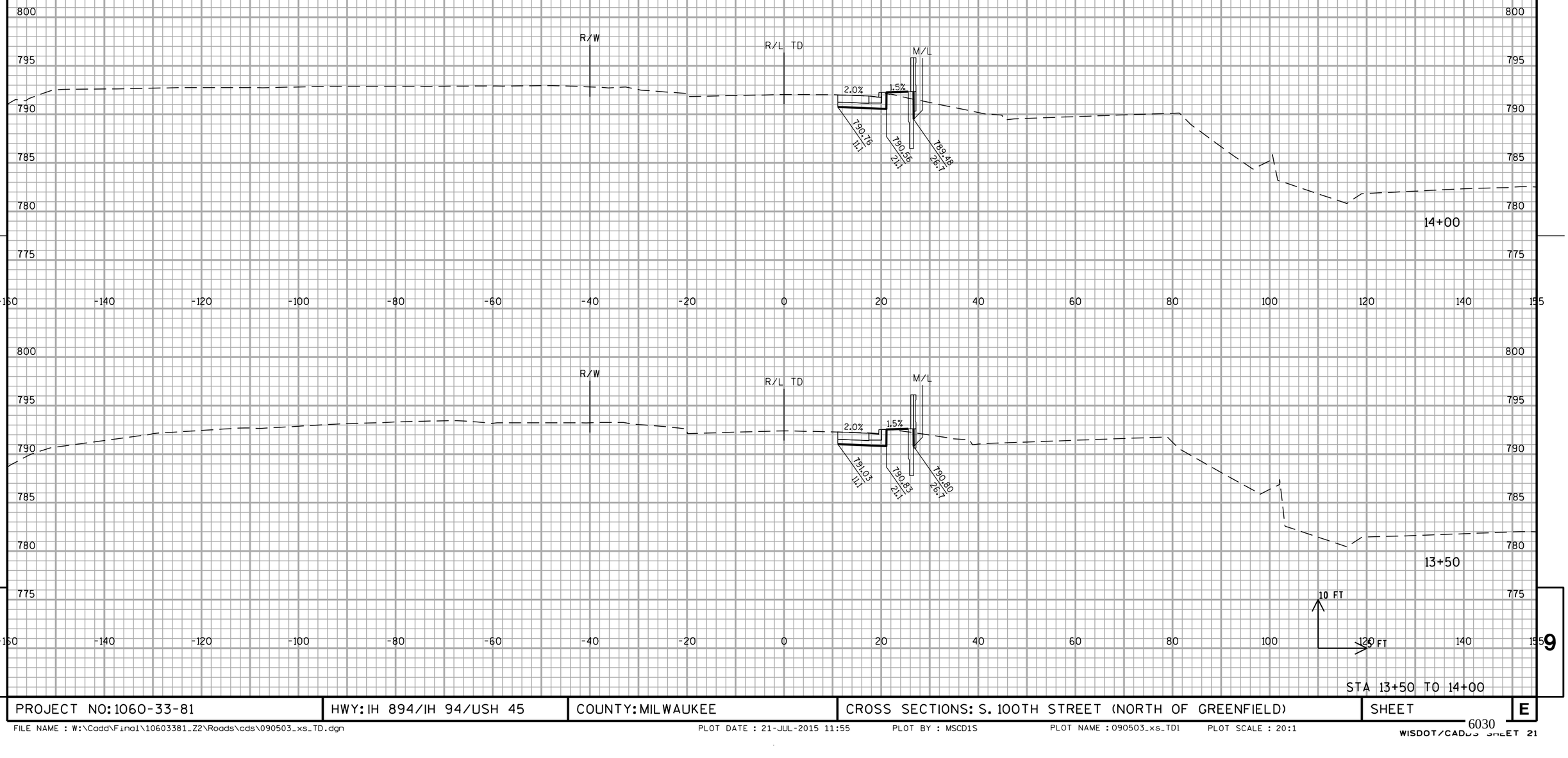
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (SOUTH OF GREENFIELD)	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090502_xs_te.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090502_xs_te1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



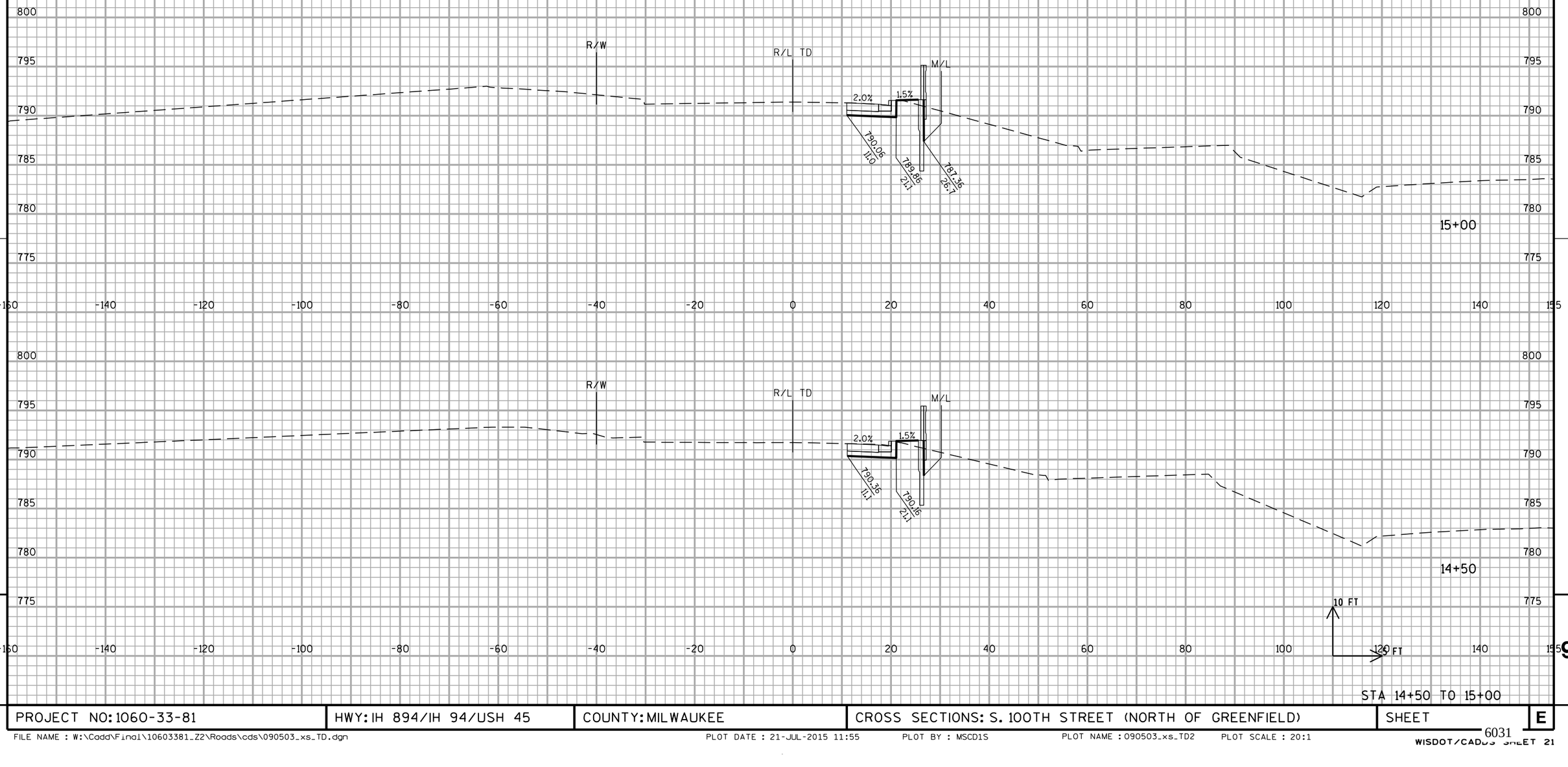
STA 13+50 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_TD.dgn PLOT DATE : 21-JUL-2015 11:55 PLOT BY : MSCD1S PLOT NAME : 090503_xs_TD1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



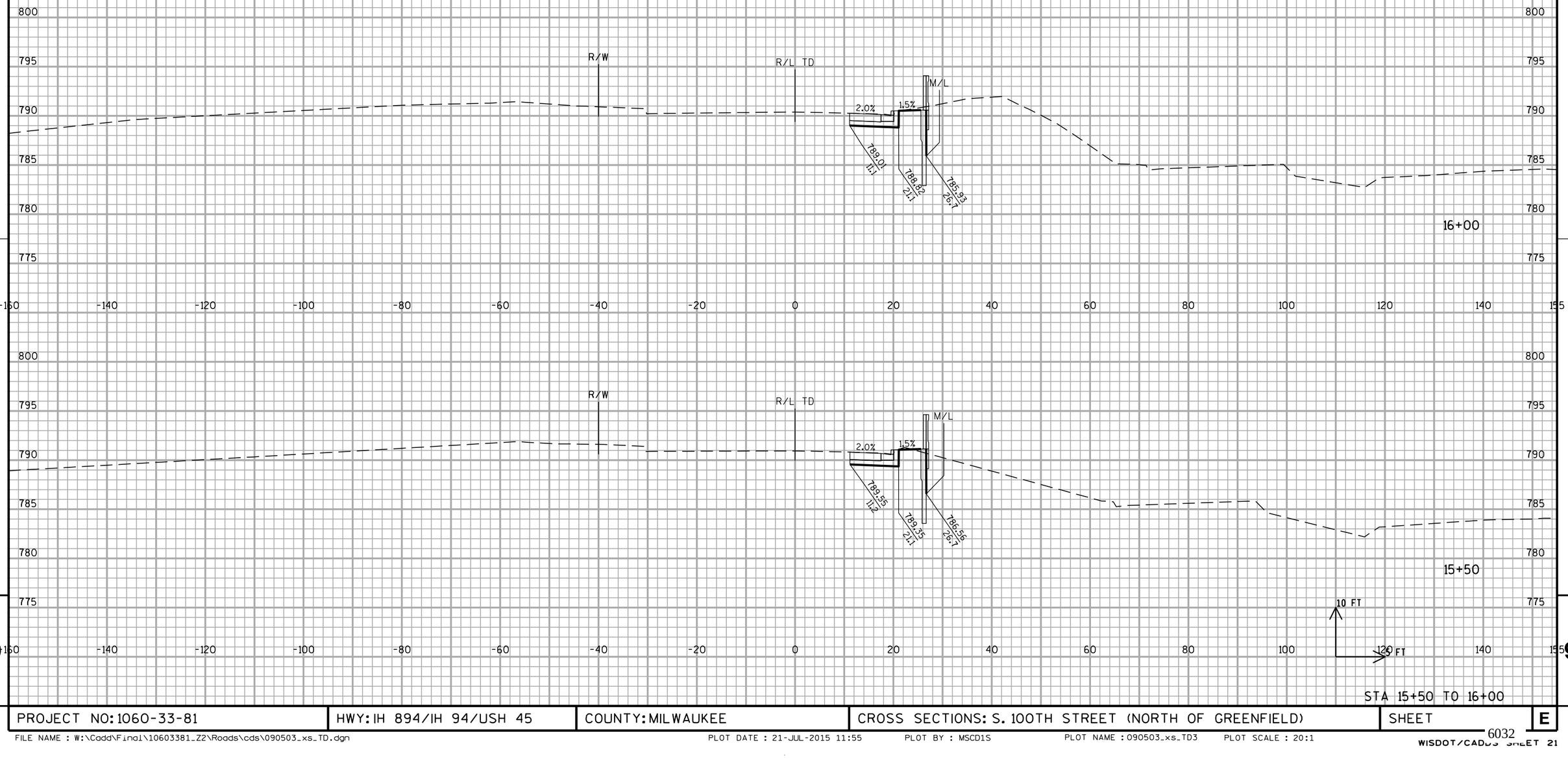
STA 14+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_TD.dgn PLOT DATE : 21-JUL-2015 11:55 PLOT BY : MSCD1S PLOT NAME : 090503_xs_TD2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 15+50 TO 16+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

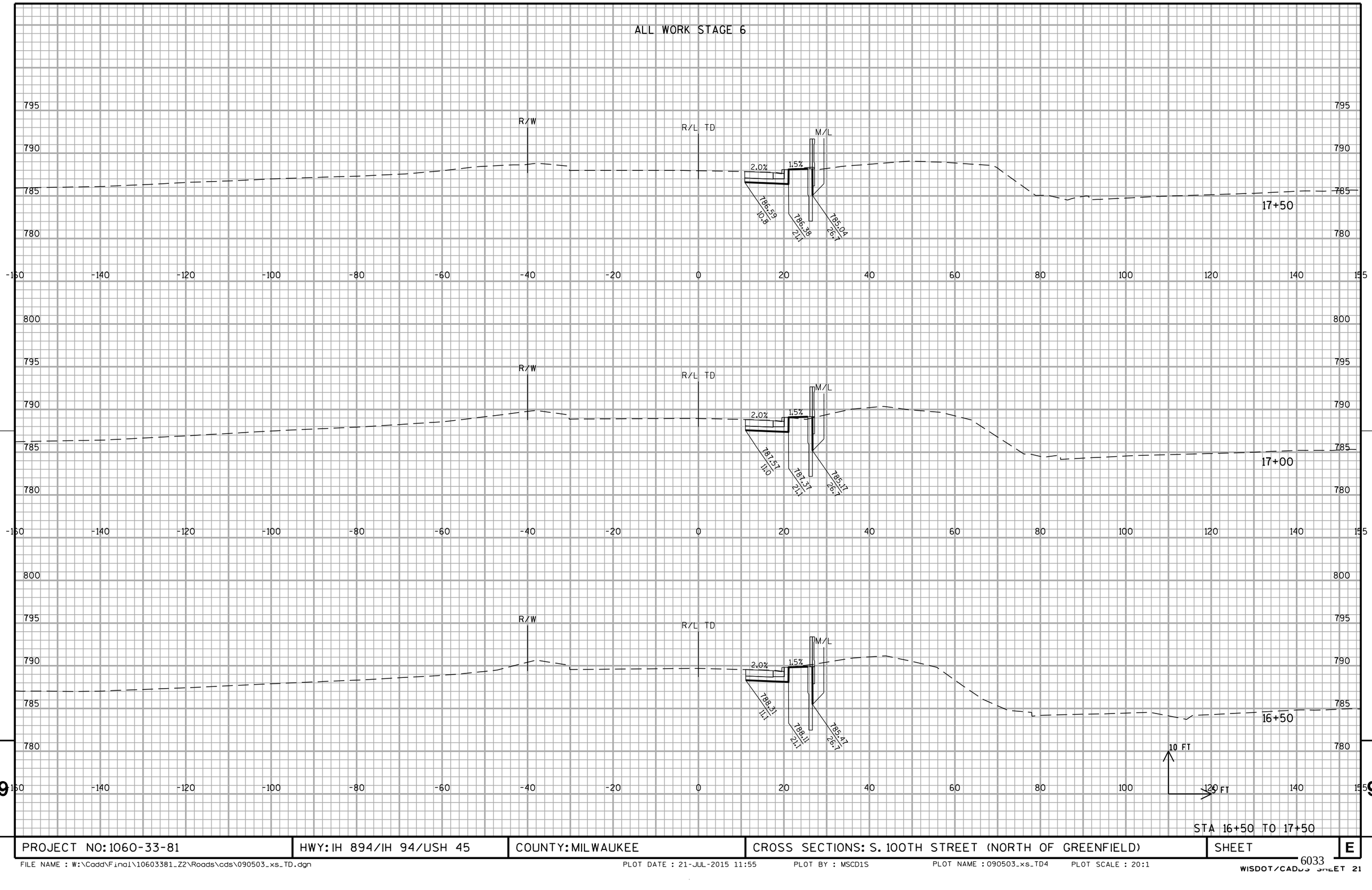
9 9

6032

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_TD.dgn PLOT DATE : 21-JUL-2015 11:55 PLOT BY : MSCD1S PLOT NAME : 090503_xs_TD3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

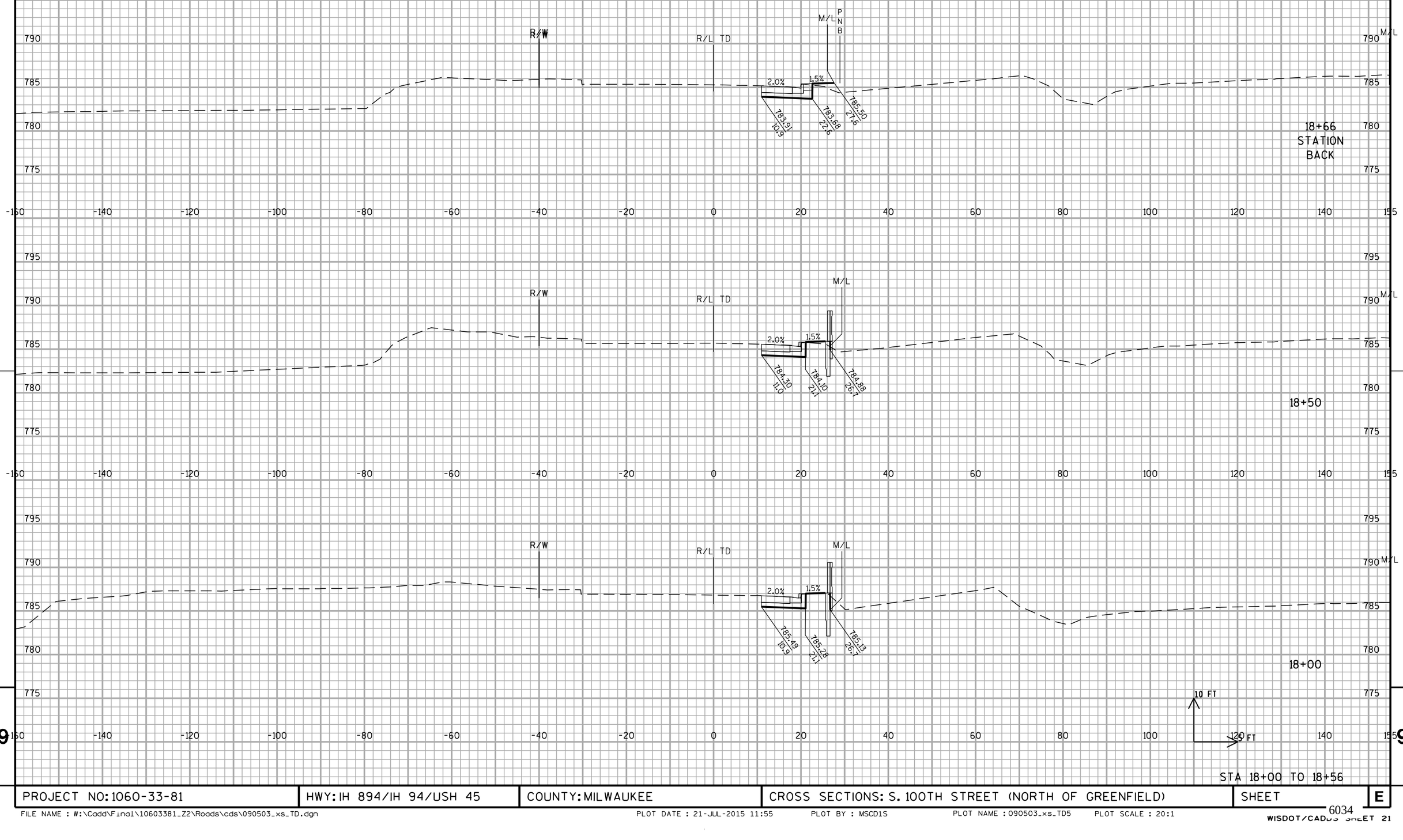
ALL WORK STAGE 6



STA 16+50 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

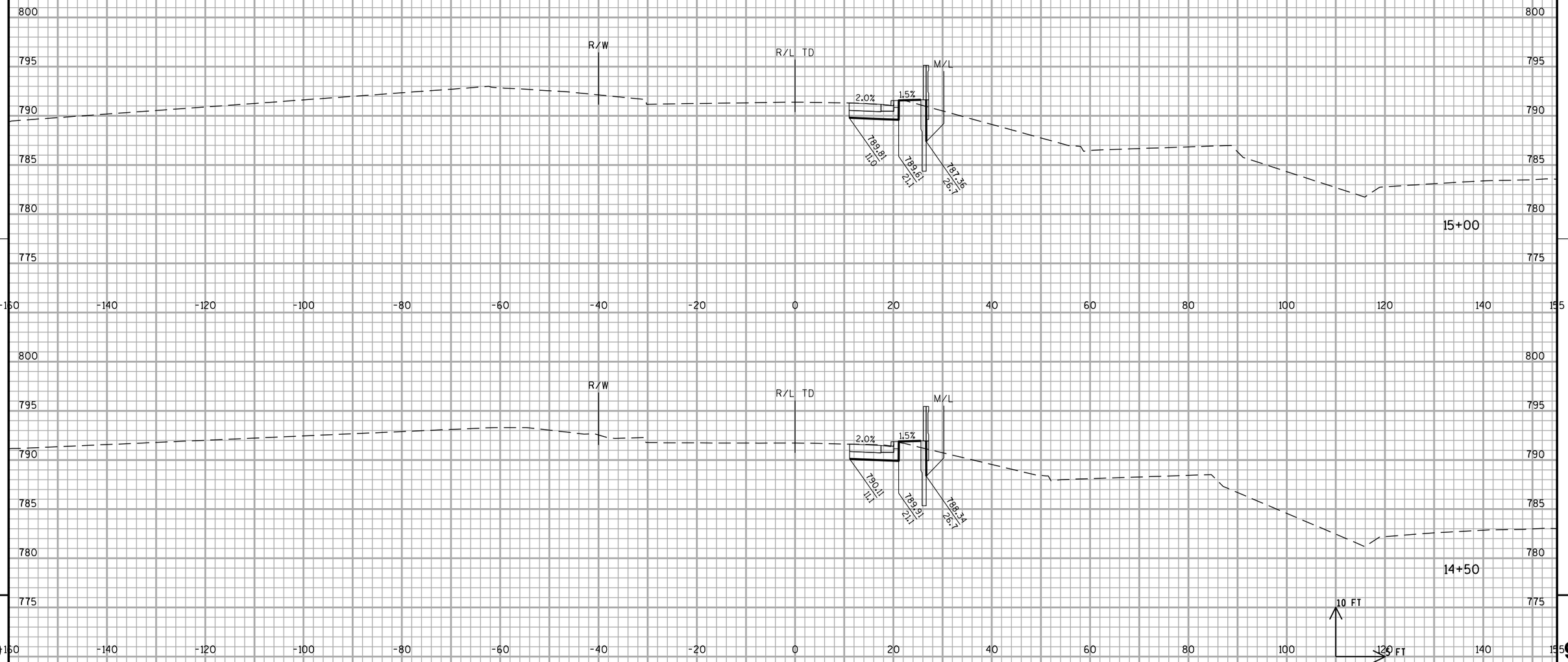
ALL WORK STAGE 6



STA 18+00 TO 18+56

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 6



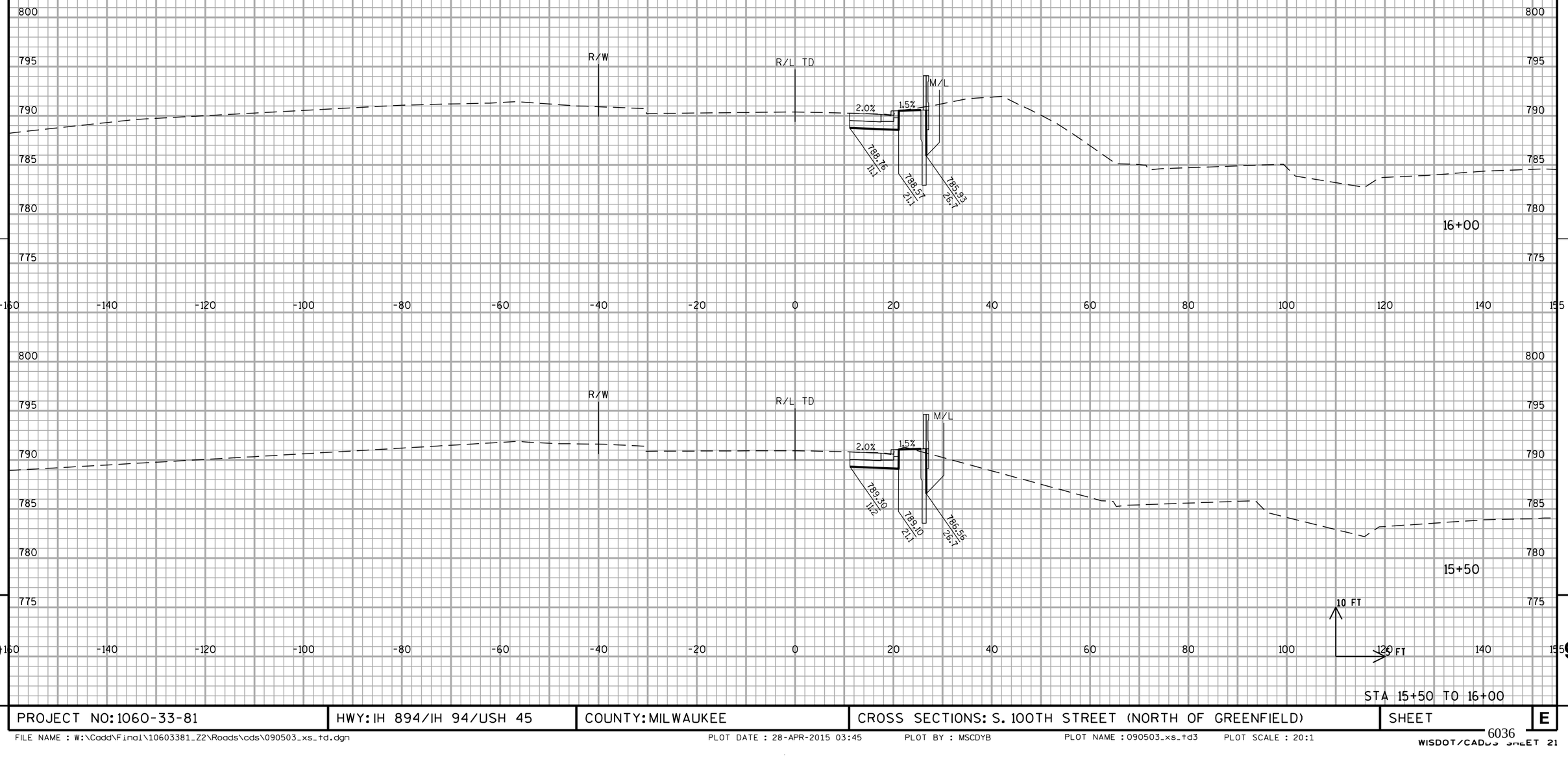
STA 14+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 15+50 TO 16+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

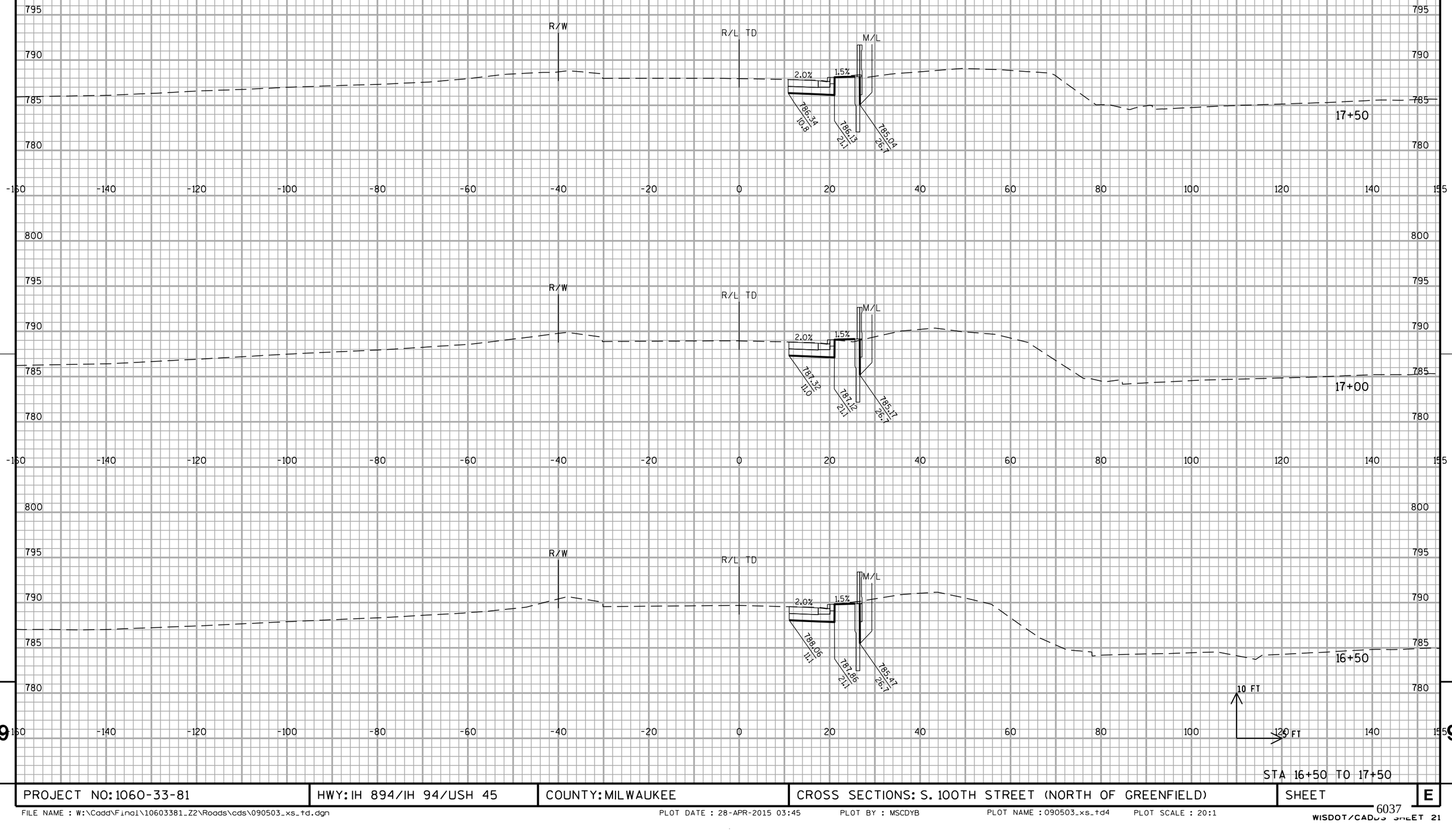
9 9

6036

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

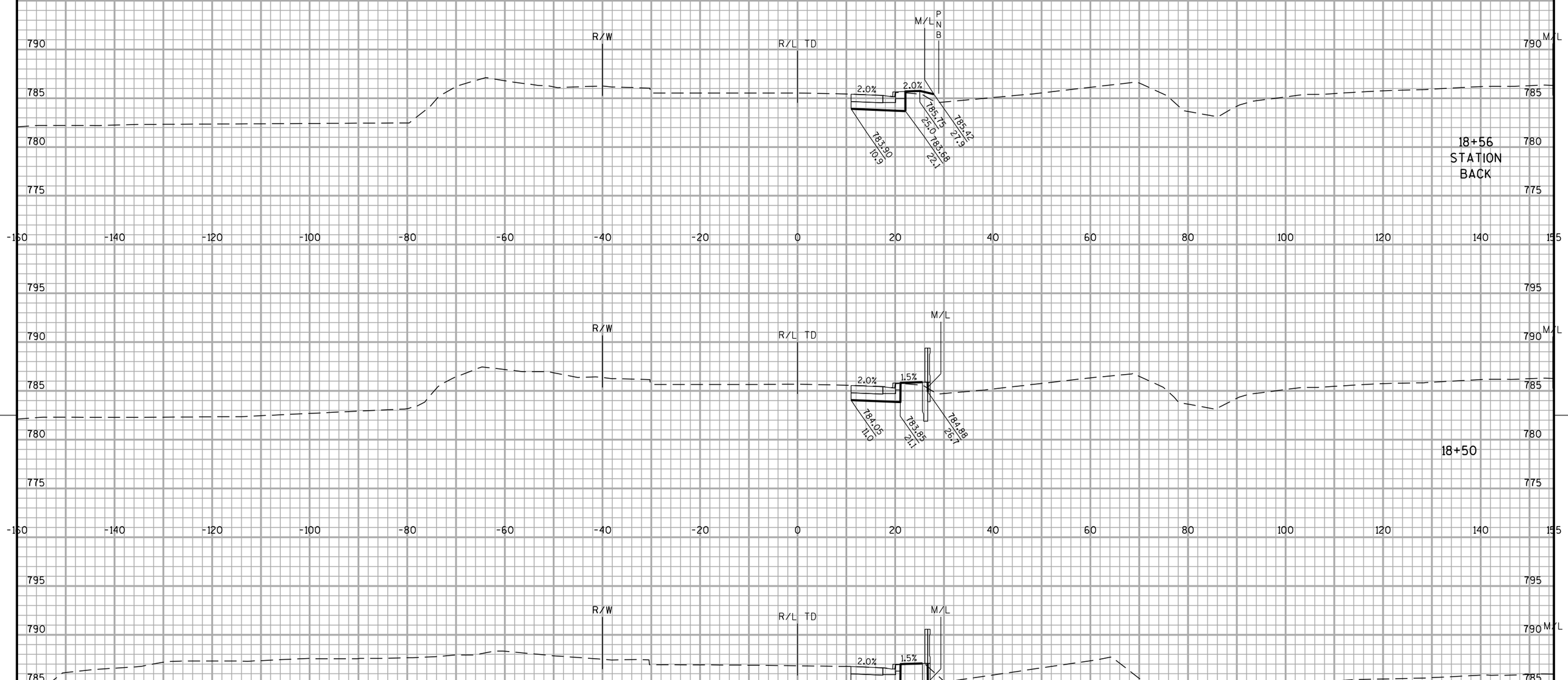
ALL WORK STAGE 6



STA 16+50 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

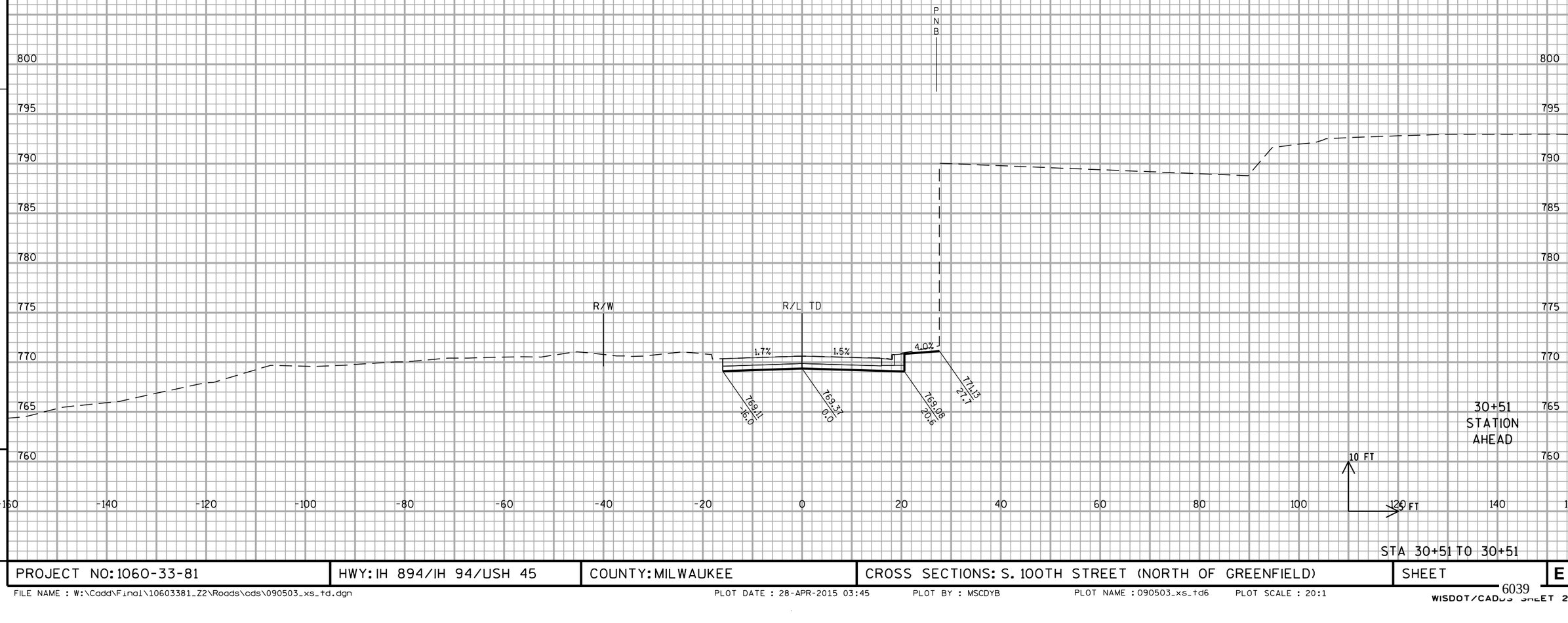
ALL WORK STAGE 6



STA 18+00 TO 18+56

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



STA 30+51 TO 30+51

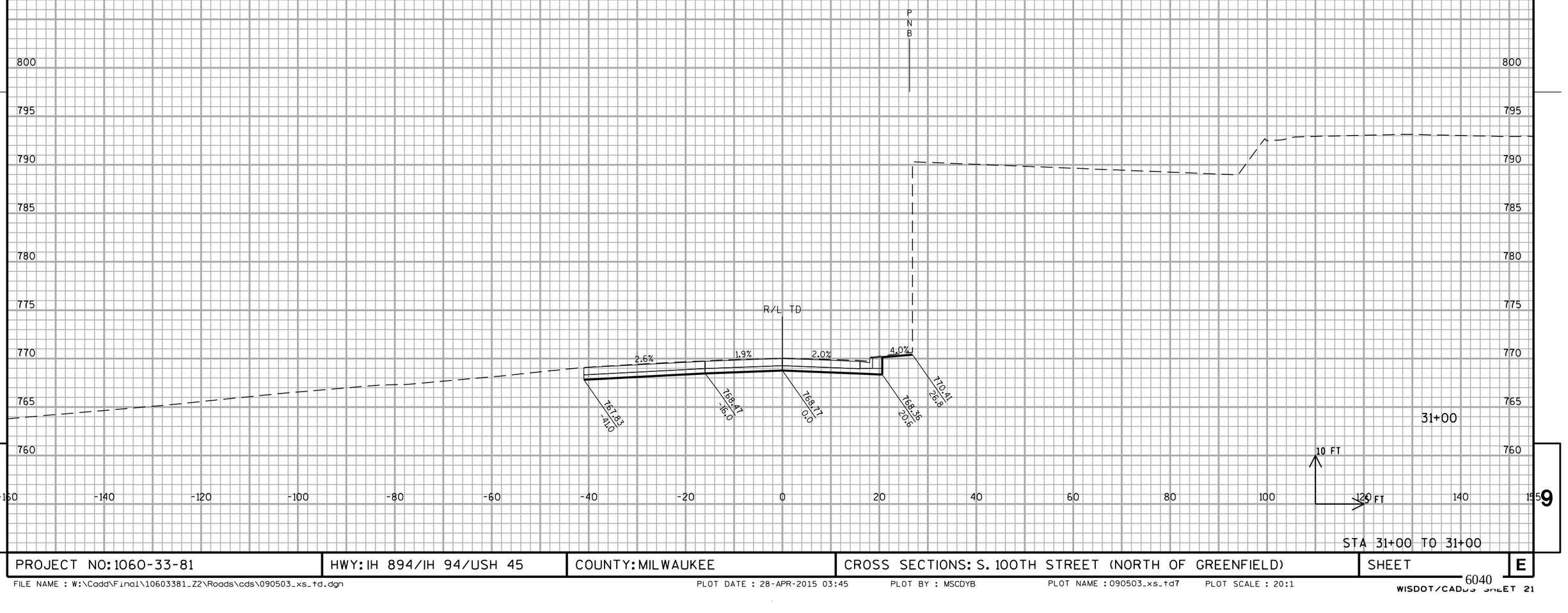
9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td6 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



STA 31+00 TO 31+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

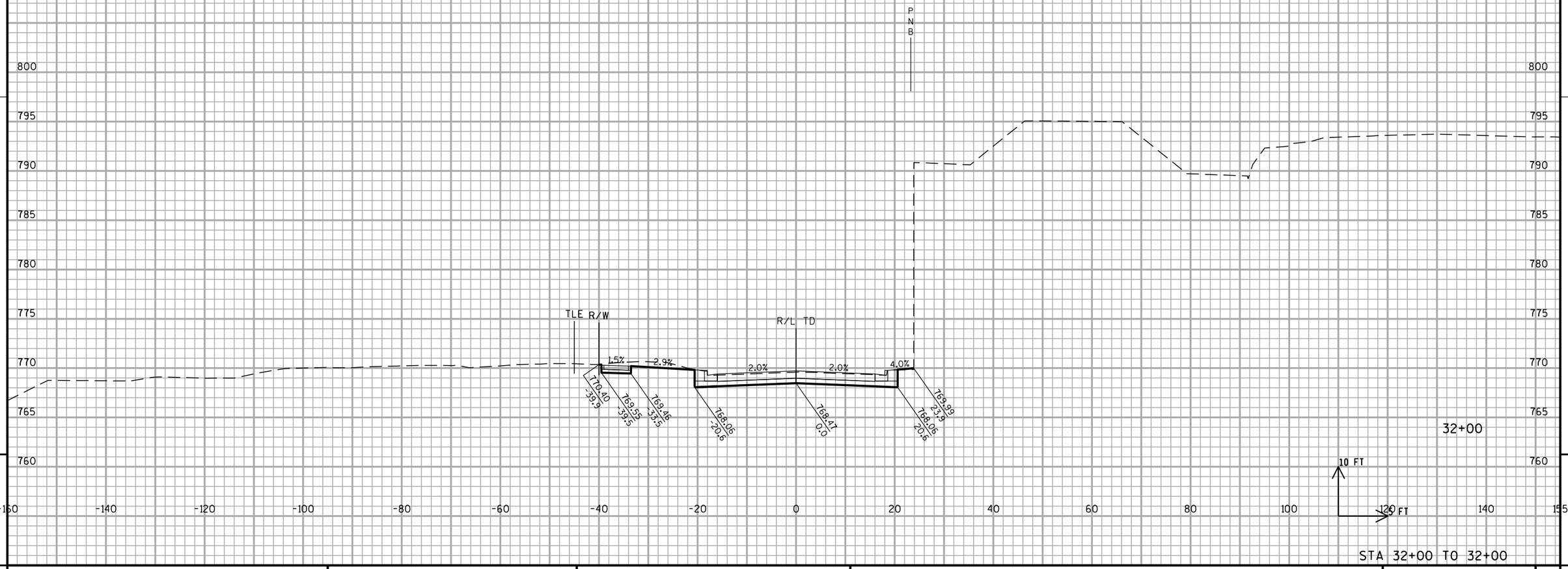
ALL WORK STAGE 8



STA 31+50 TO 31+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

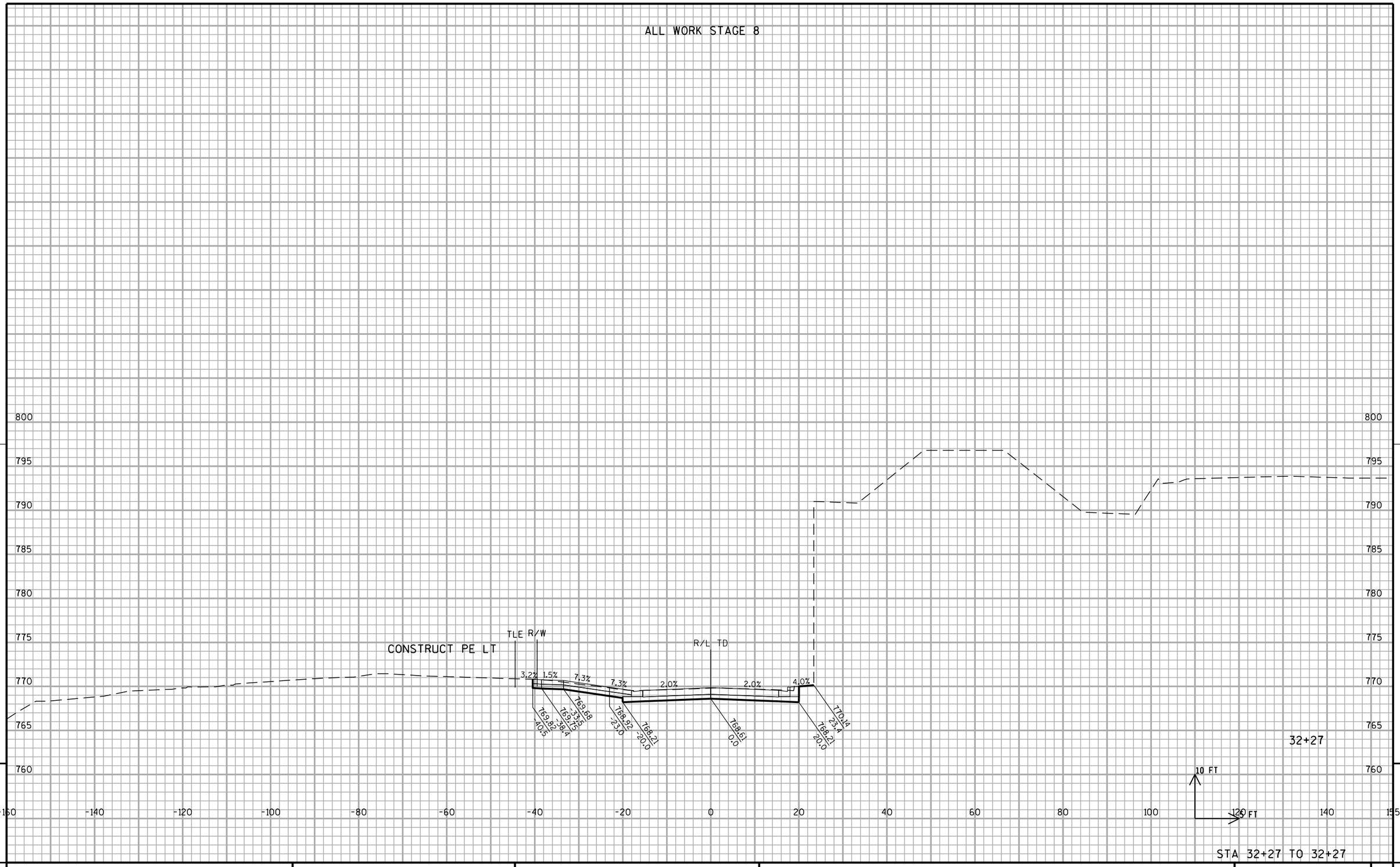
ALL WORK STAGE 8



STA 32+00 TO 32+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

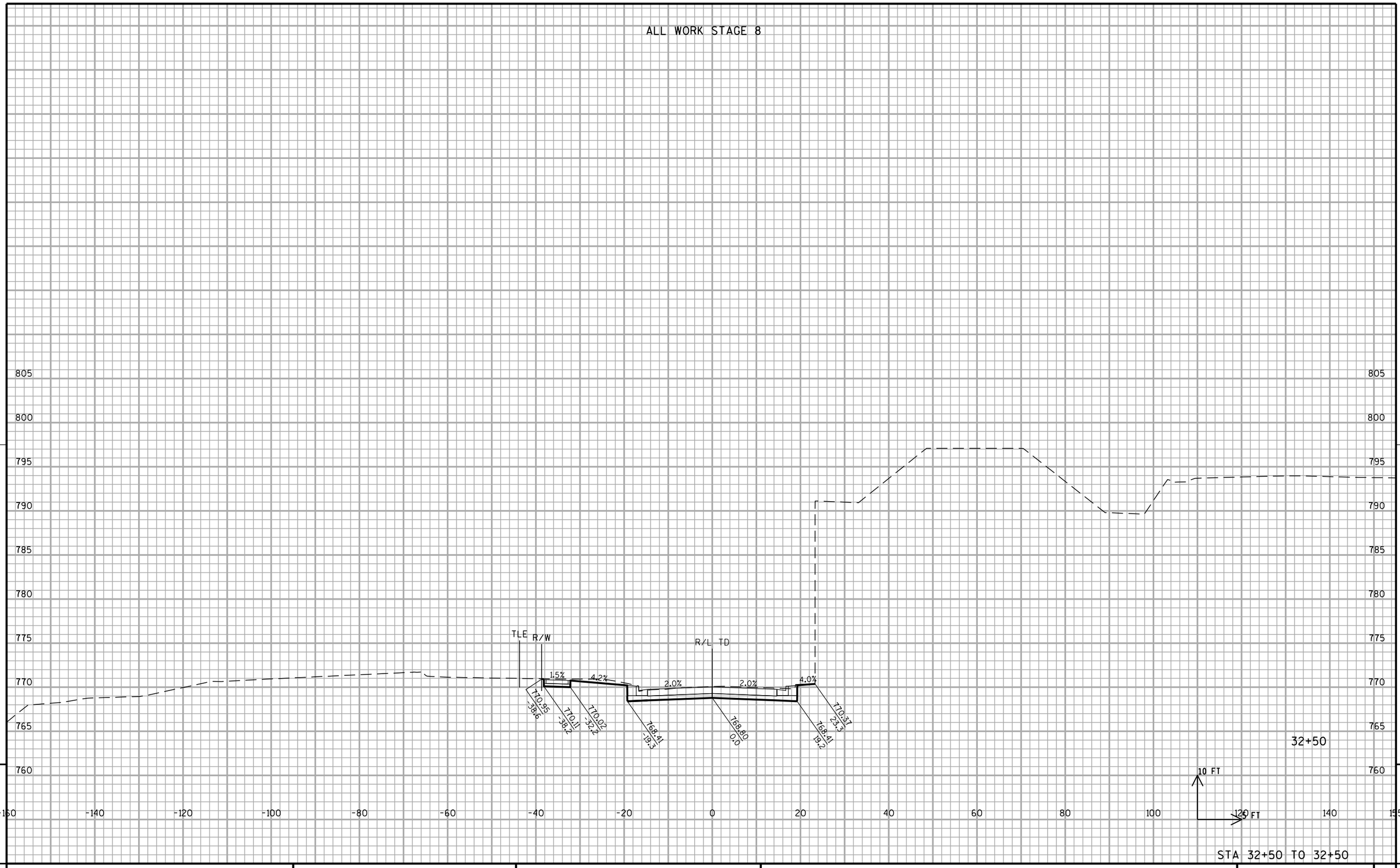
ALL WORK STAGE 8



STA 32+27 TO 32+27

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



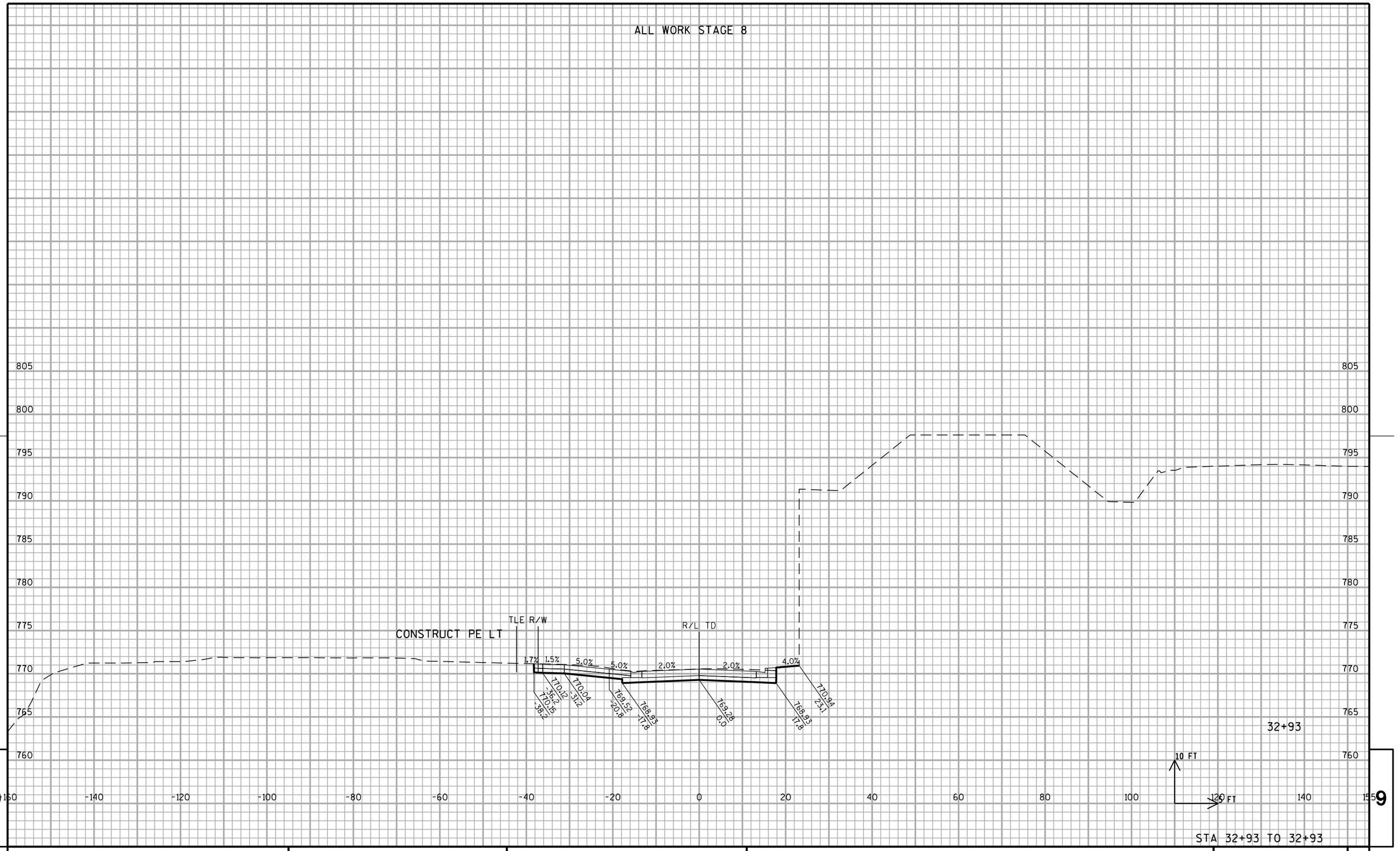
STA 32+50 TO 32+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



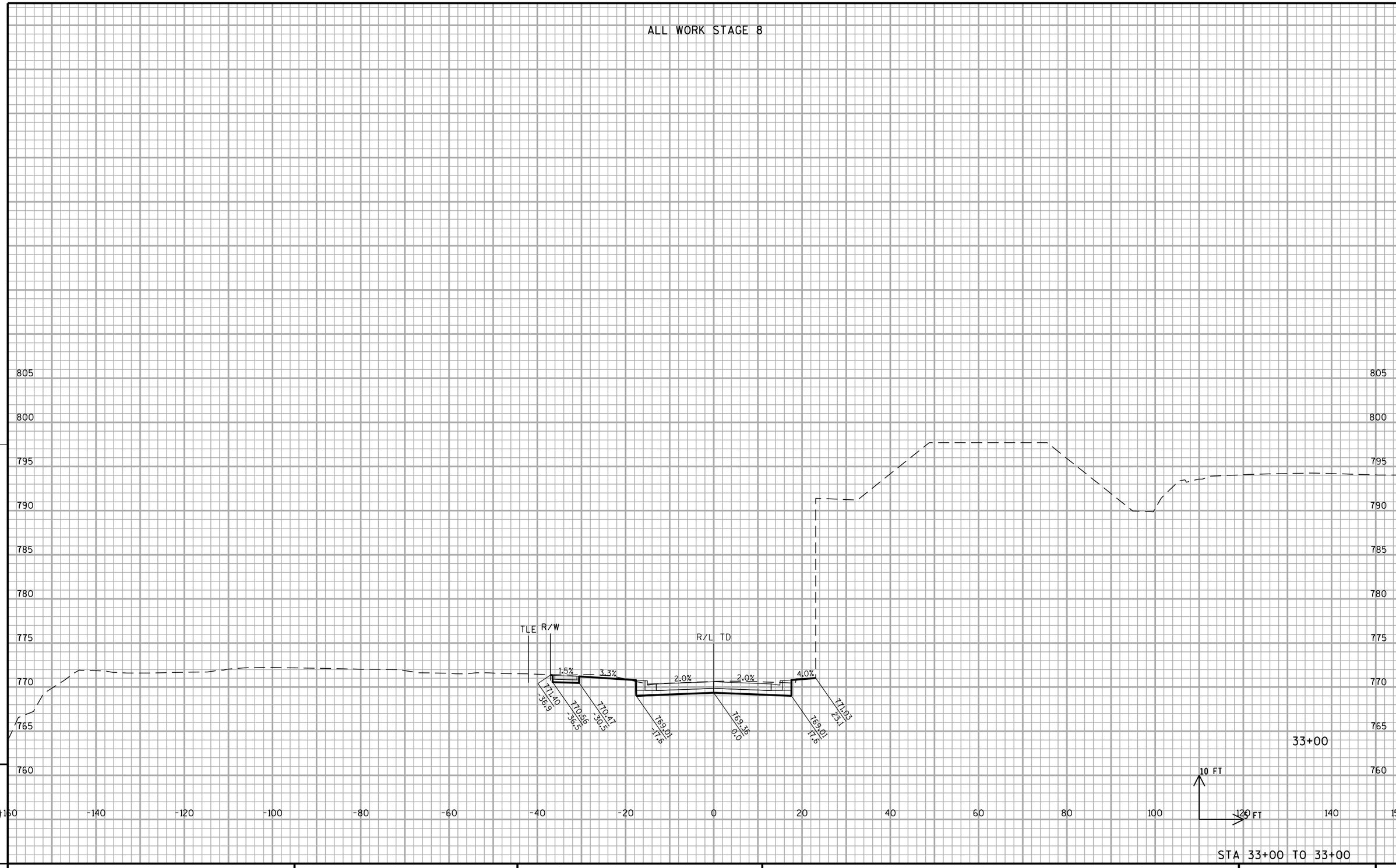
STA 32+93 TO 32+93

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



STA 33+00 TO 33+00

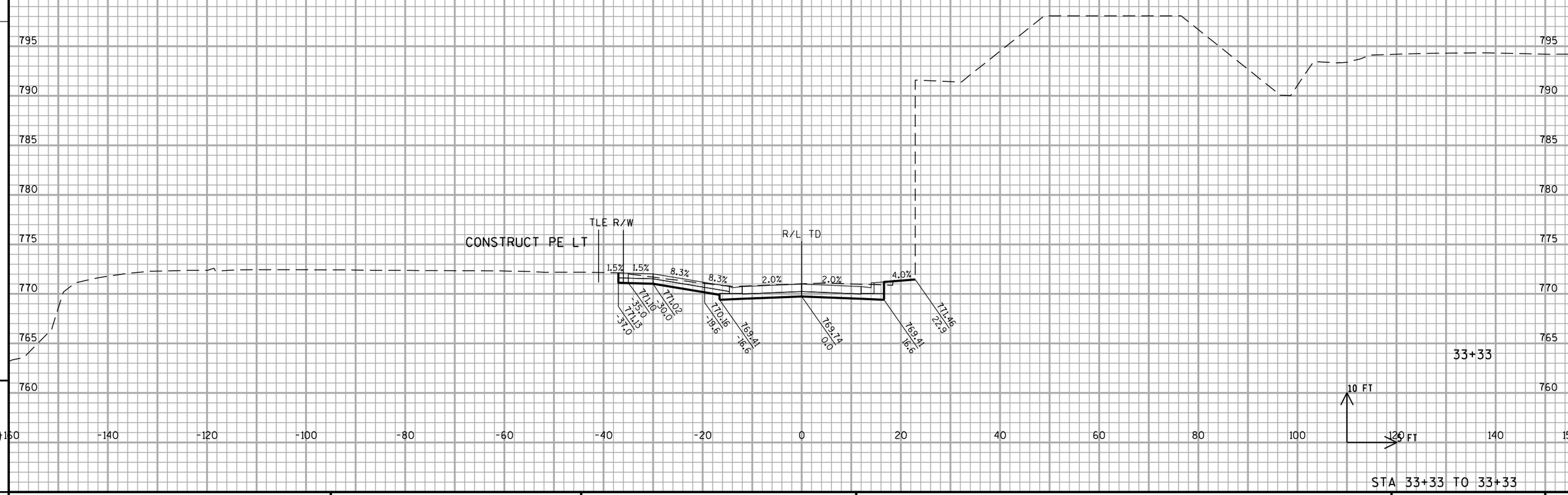
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

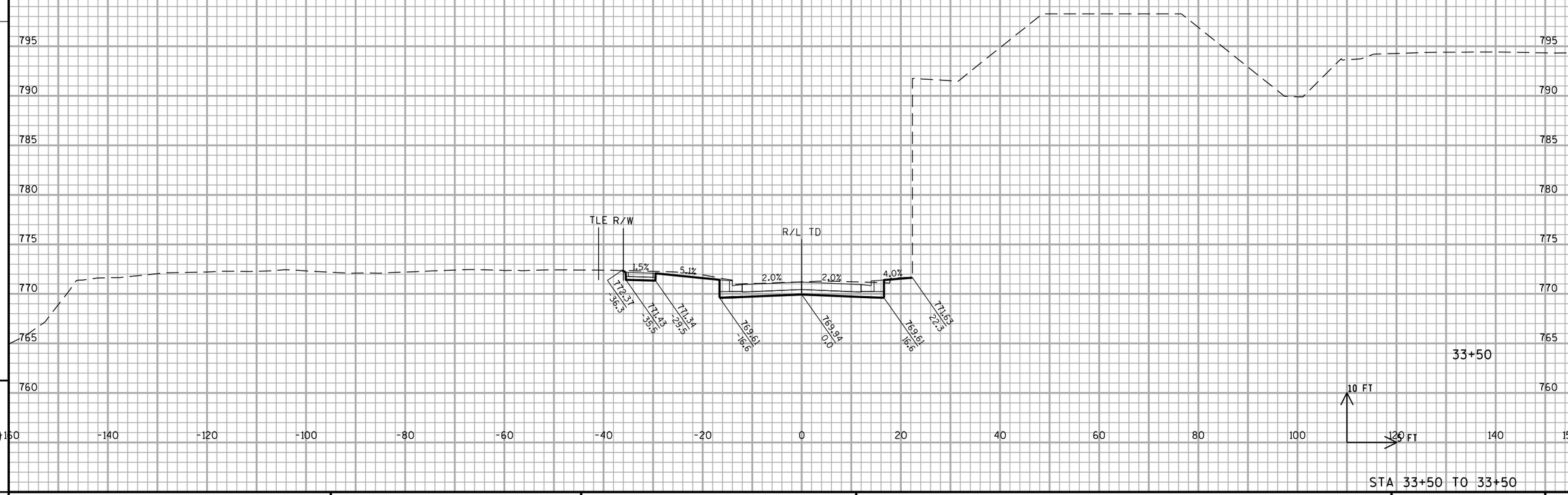
ALL WORK STAGE 8



STA 33+33 TO 33+33

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



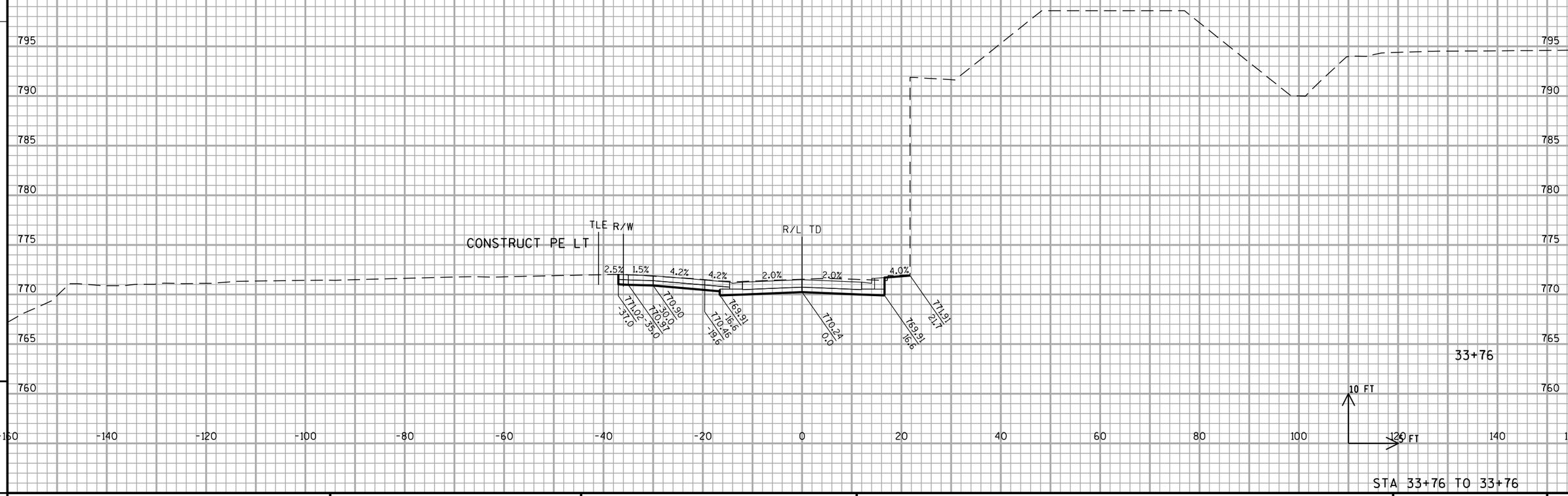
STA 33+50 TO 33+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td15 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

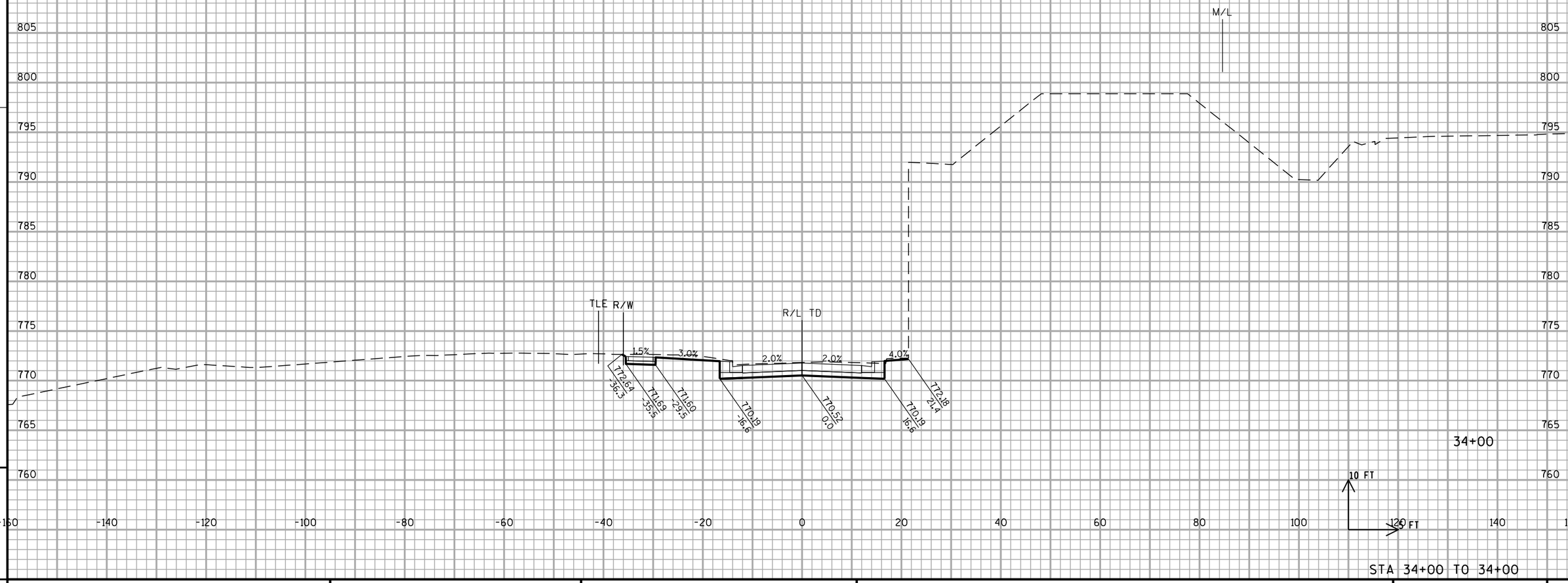


STA 33+76 TO 33+76

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td16 PLOT SCALE : 20:1

ALL WORK STAGE 8

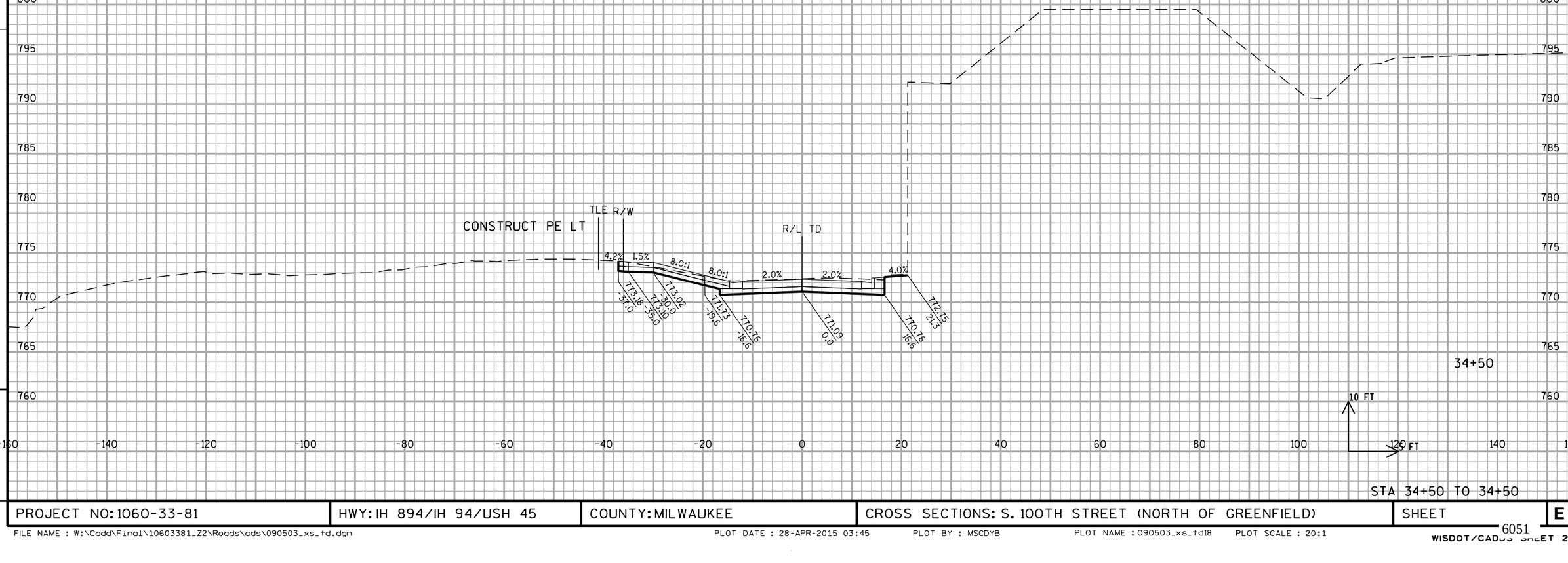


STA 34+00 TO 34+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td17 PLOT SCALE : 20:1

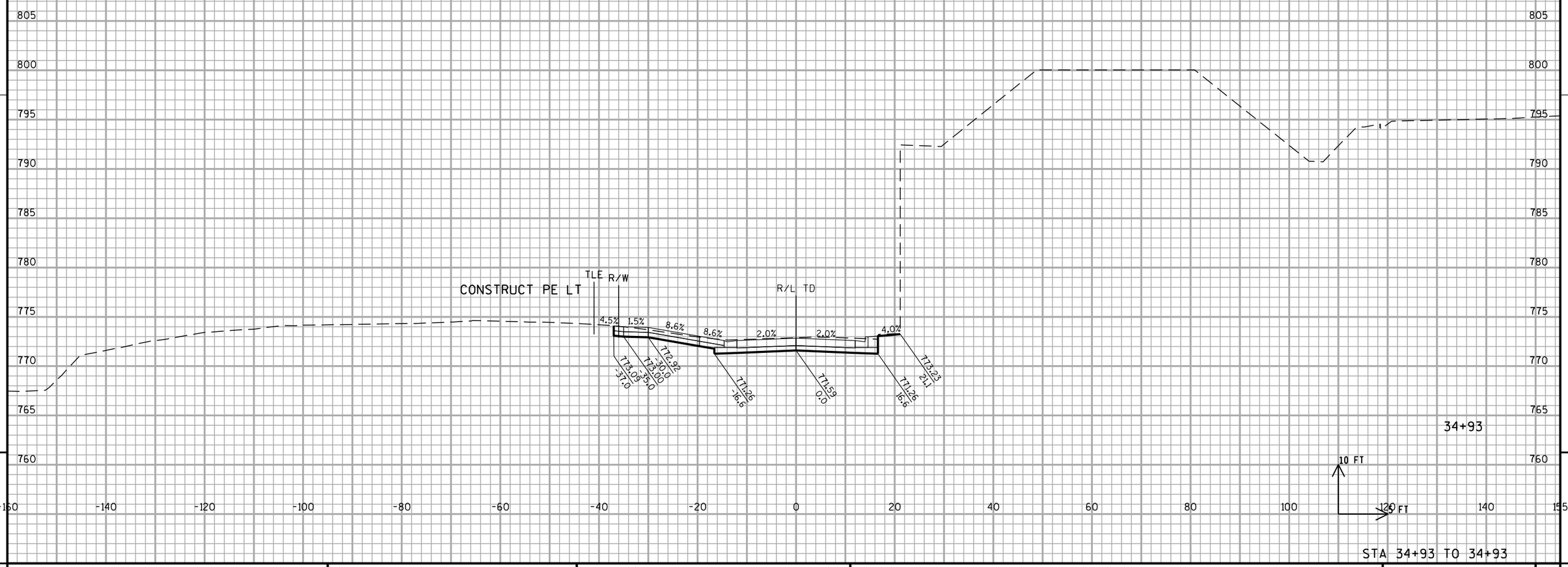
ALL WORK STAGE 8



STA 34+50 TO 34+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



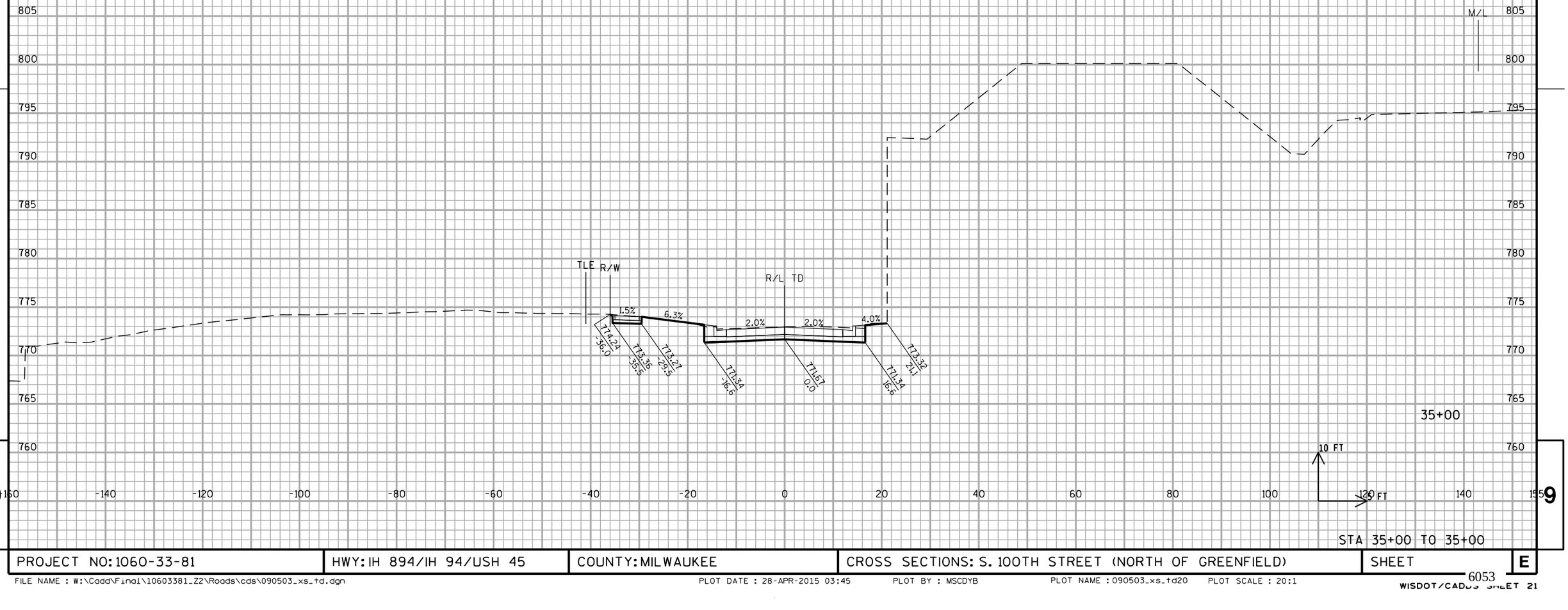
STA 34+93 TO 34+93

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

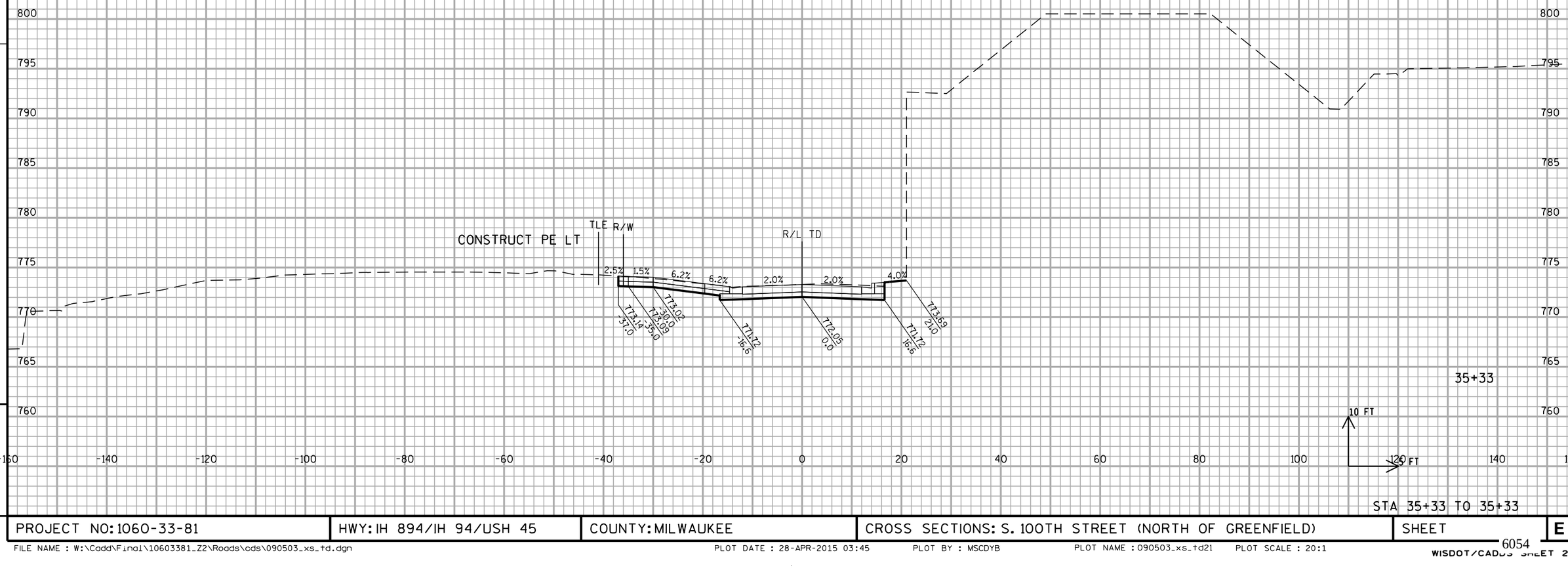
ALL WORK STAGE 8



STA 35+00 TO 35+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



STA 35+33 TO 35+33

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8

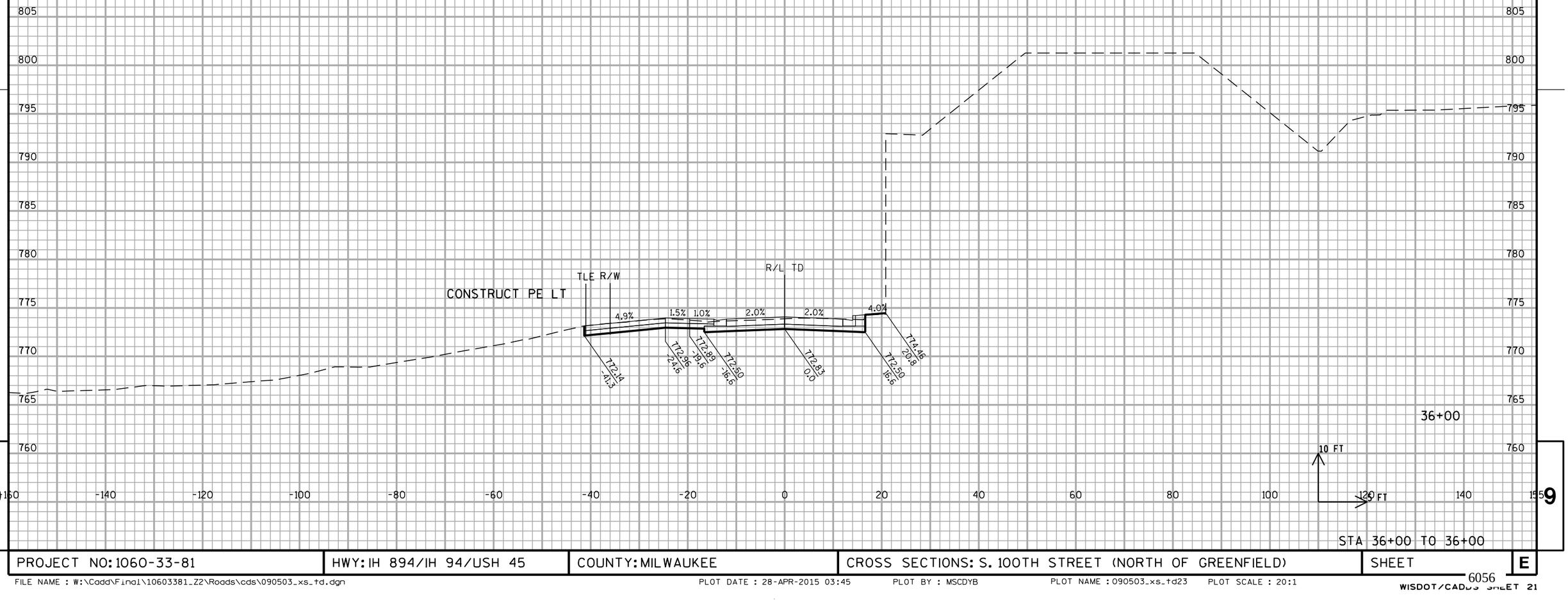


STA 35+50 TO 35+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td22 PLOT SCALE : 20:1

ALL WORK STAGE 8



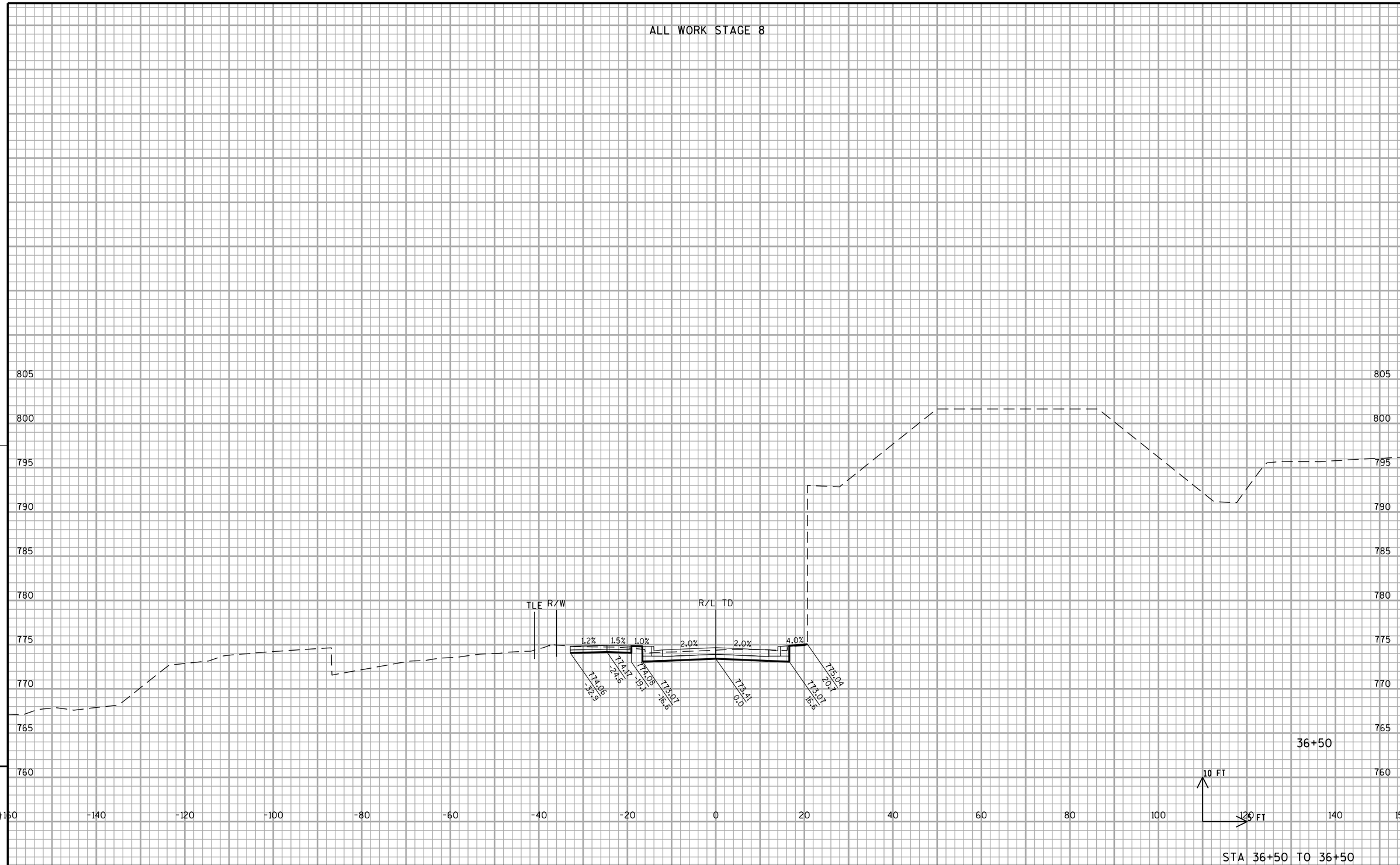
9

9

STA 36+00 TO 36+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

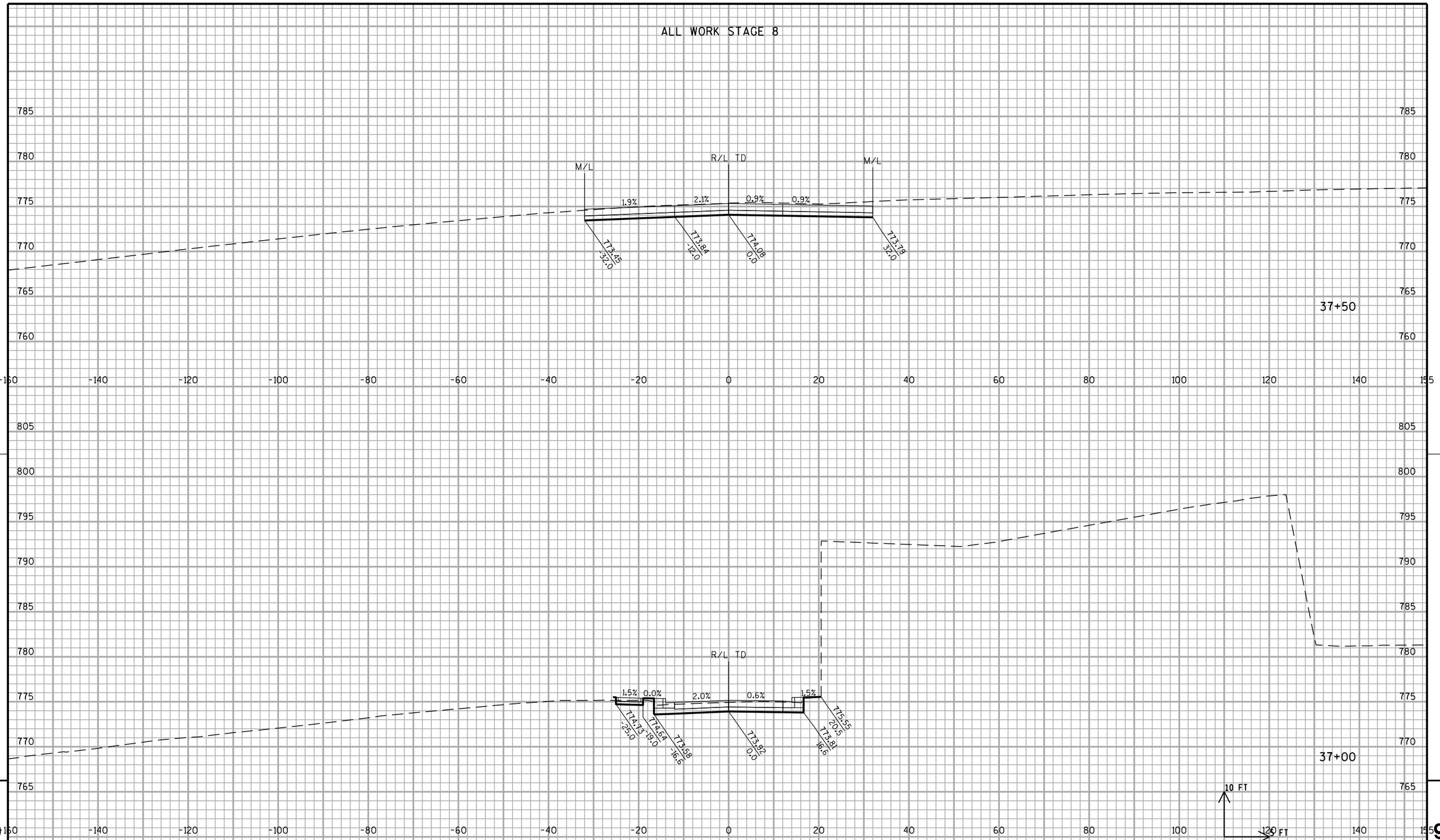
ALL WORK STAGE 8



STA 36+50 TO 36+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8

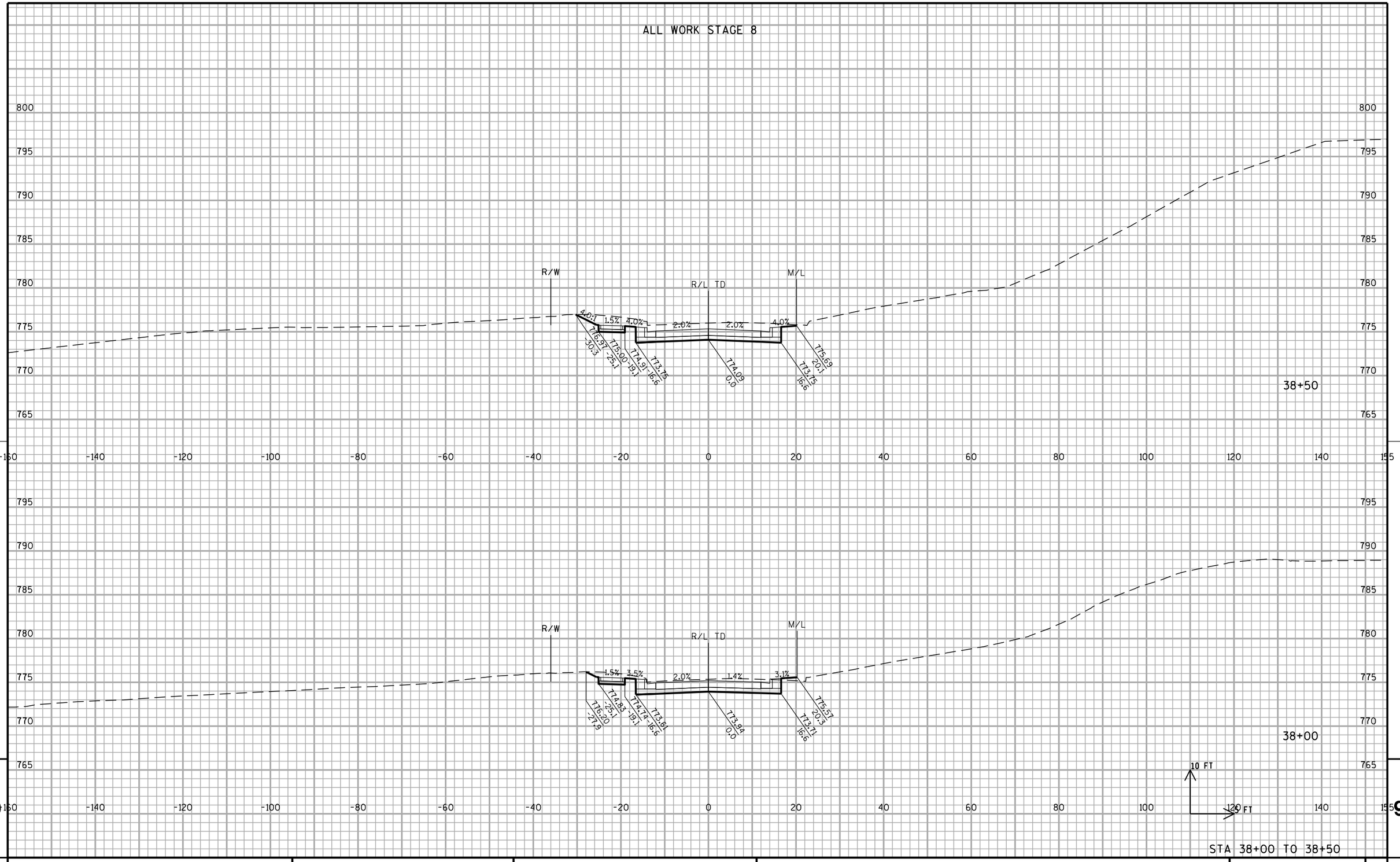


STA 37+00 TO 37+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td25 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



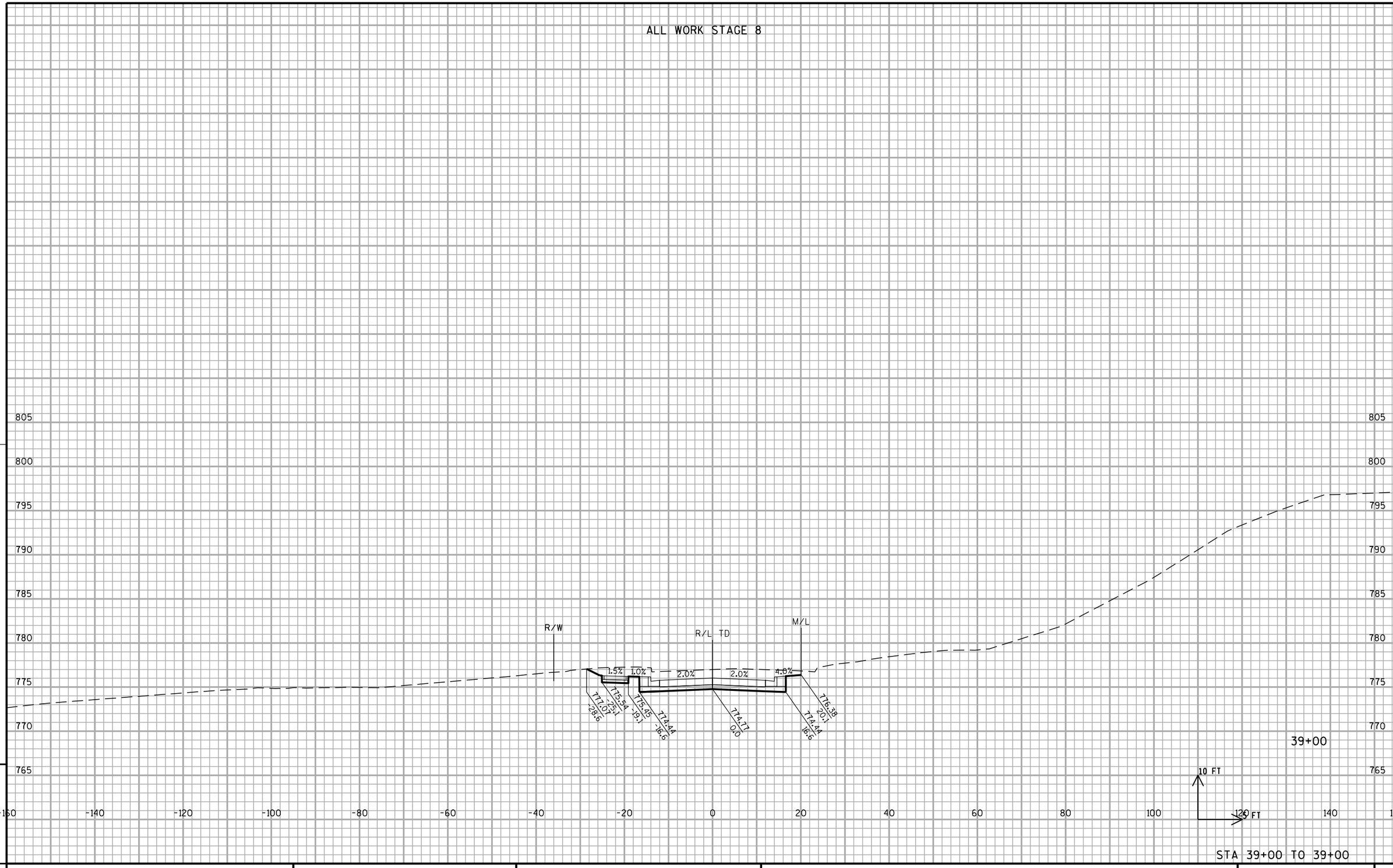
STA 38+00 TO 38+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

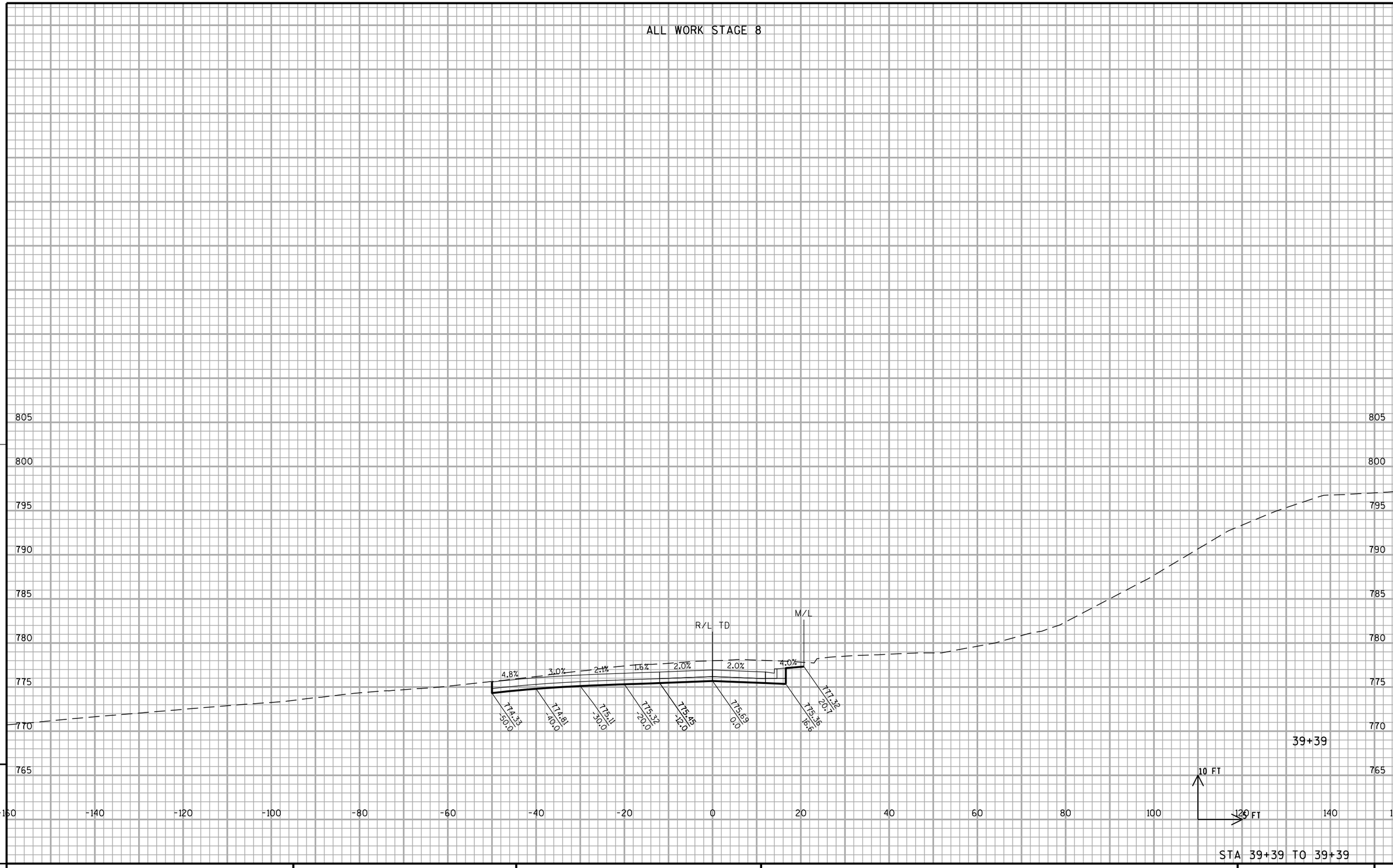
ALL WORK STAGE 8



STA 39+00 TO 39+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

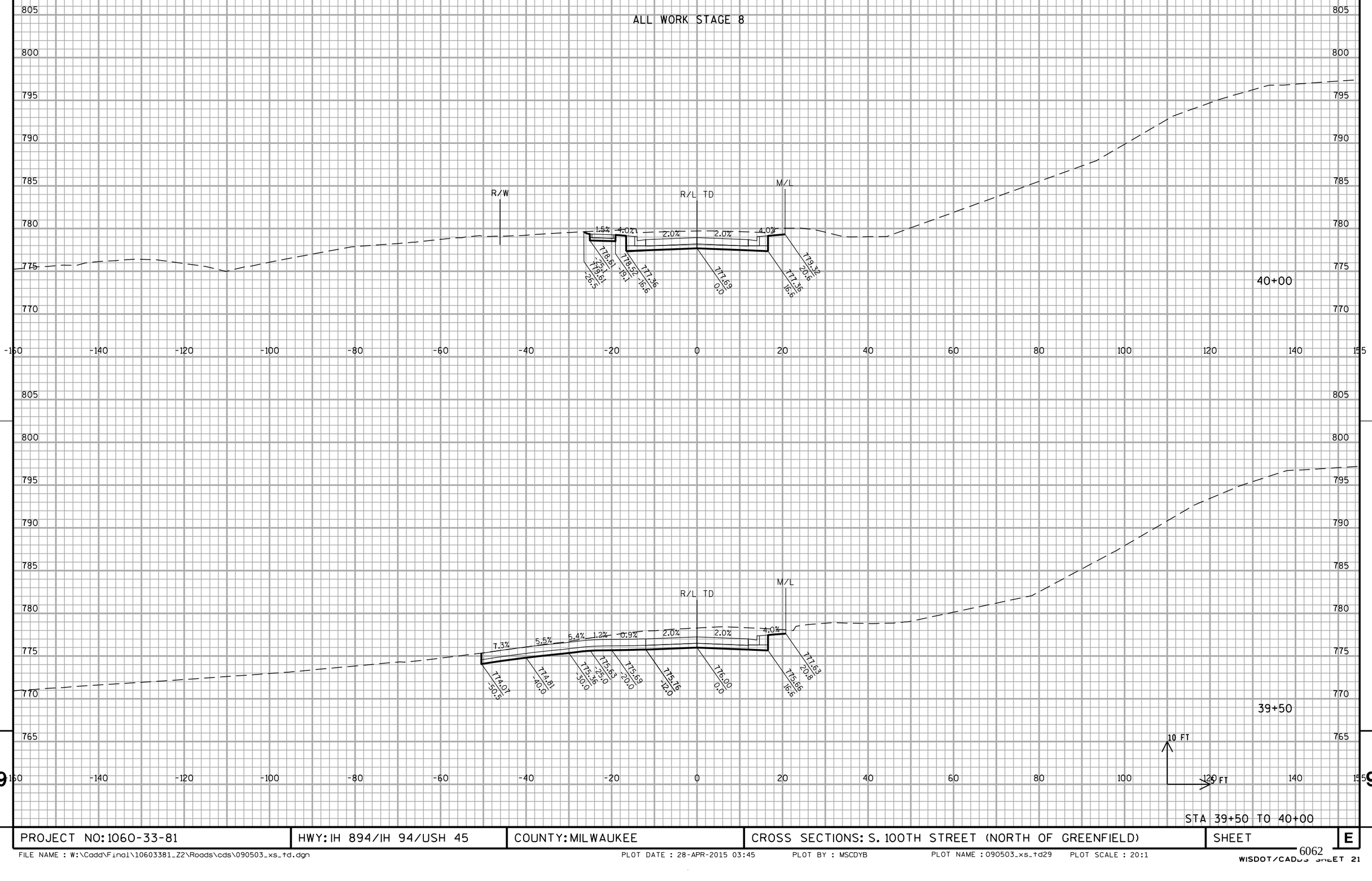
ALL WORK STAGE 8



STA 39+39 TO 39+39

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8



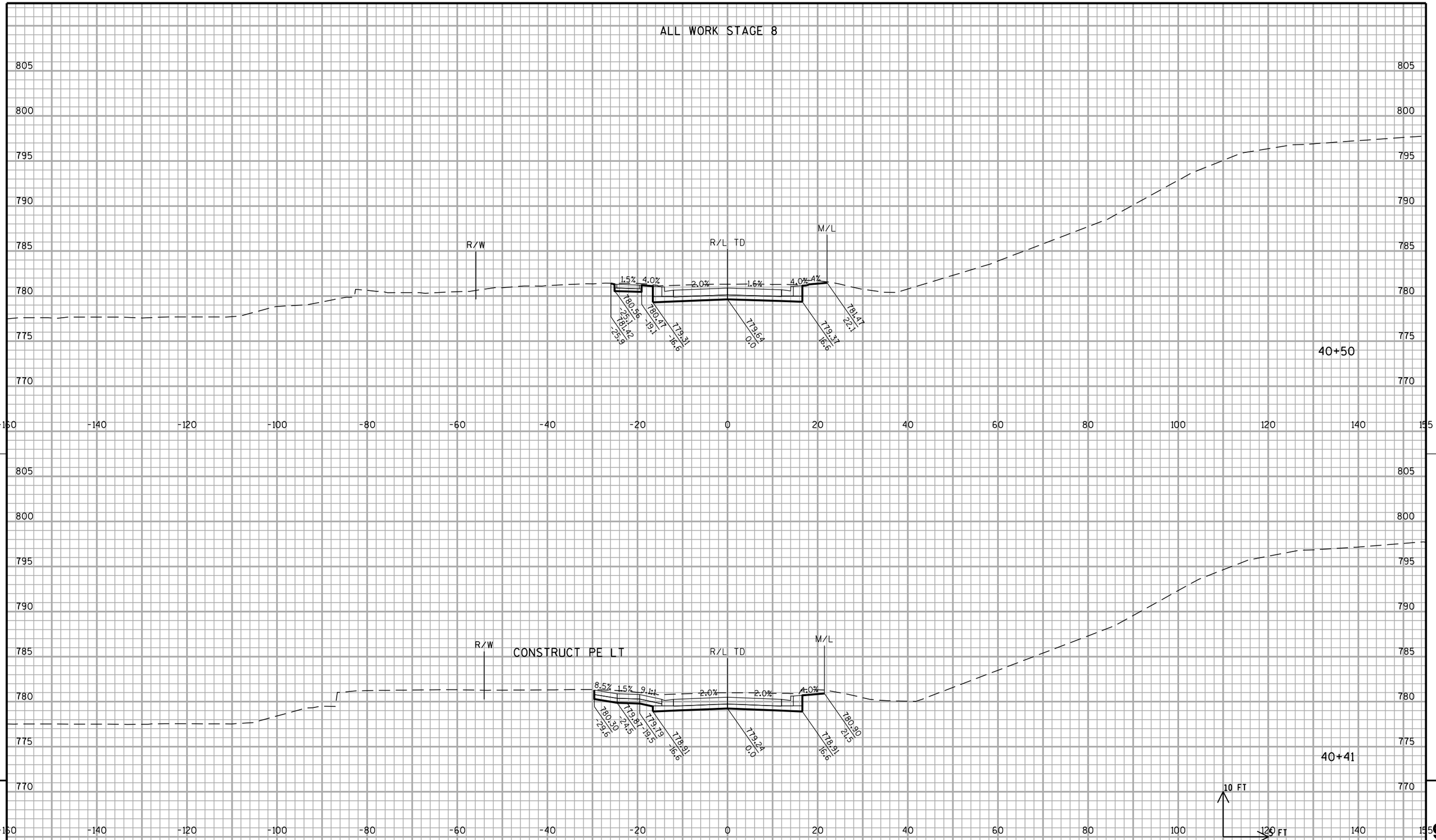
STA 39+50 TO 40+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td29 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

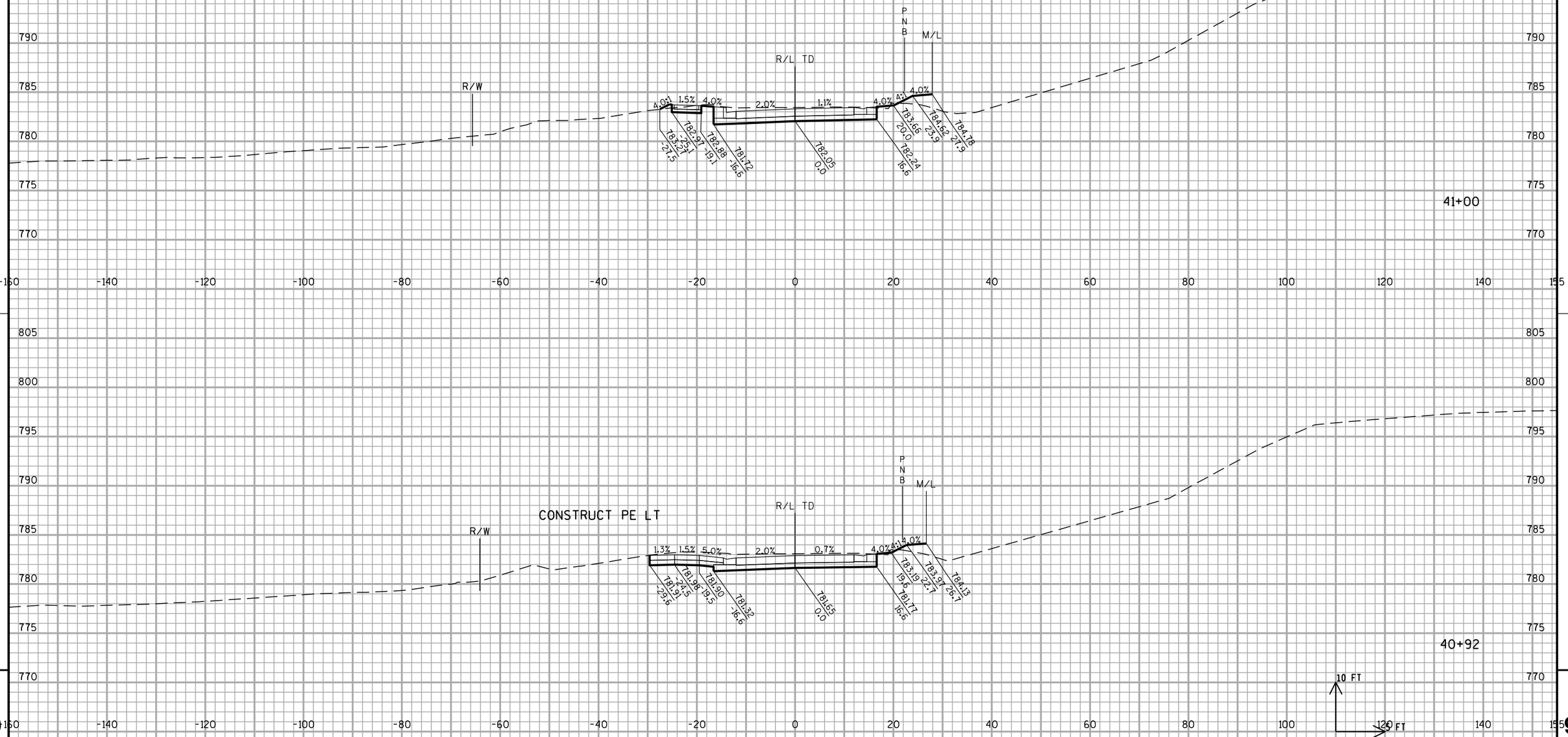
ALL WORK STAGE 8



STA 40+41 TO 40+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

ALL WORK STAGE 8

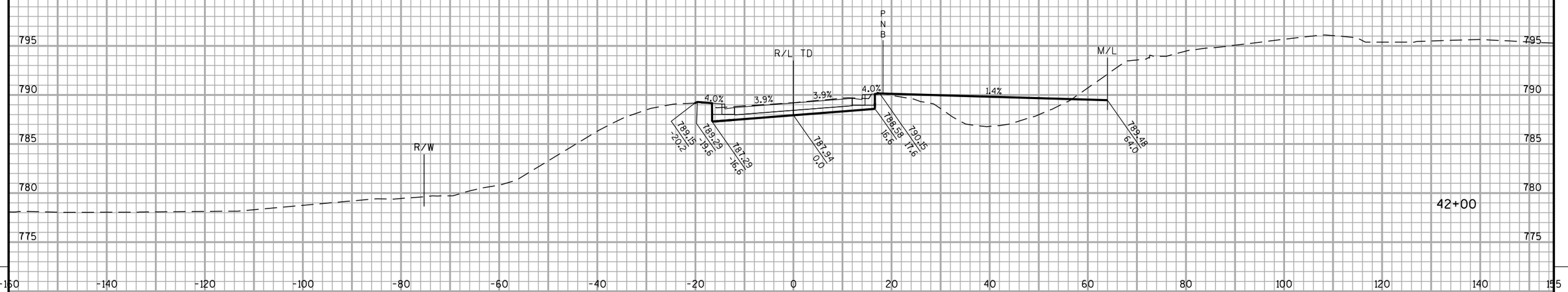


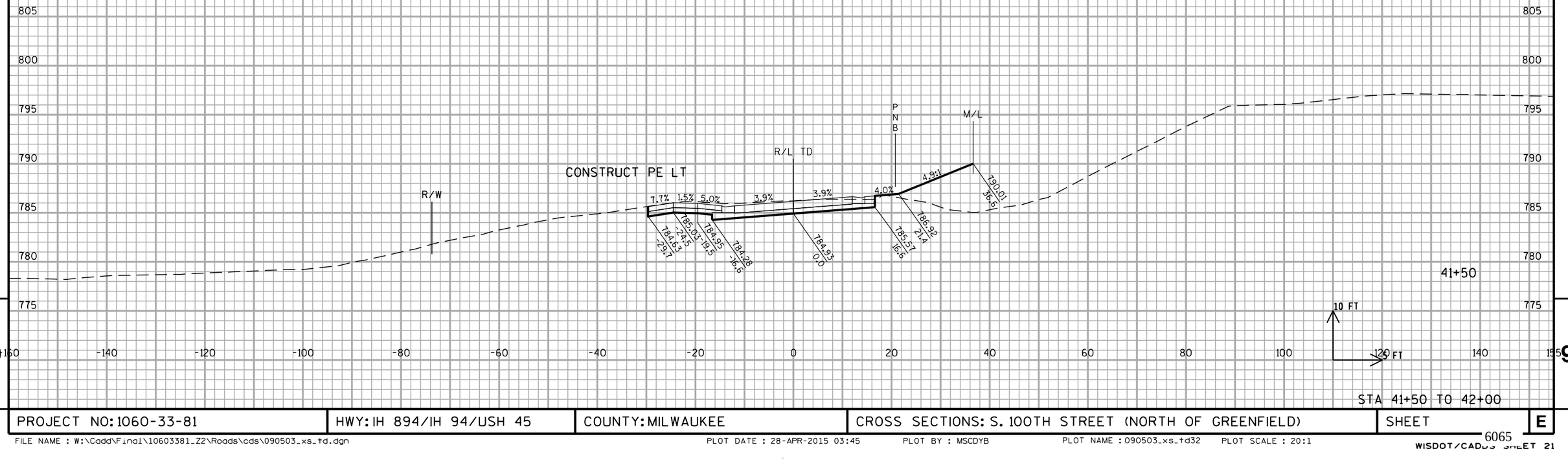
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td31 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



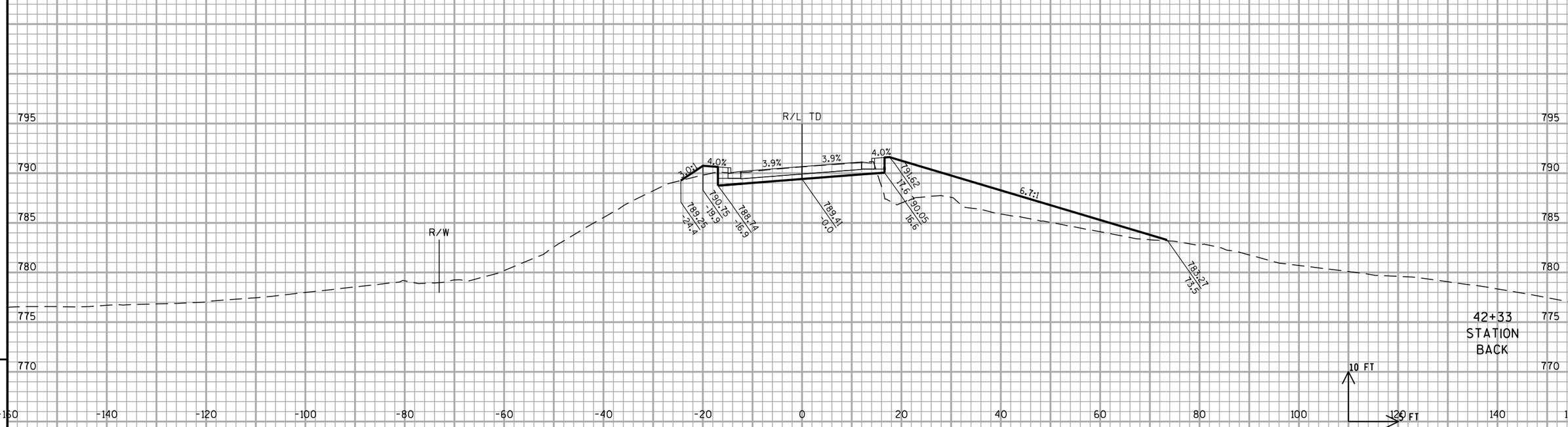


STA 41+50 TO 42+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td32 PLOT SCALE : 20:1

ALL WORK STAGE 8

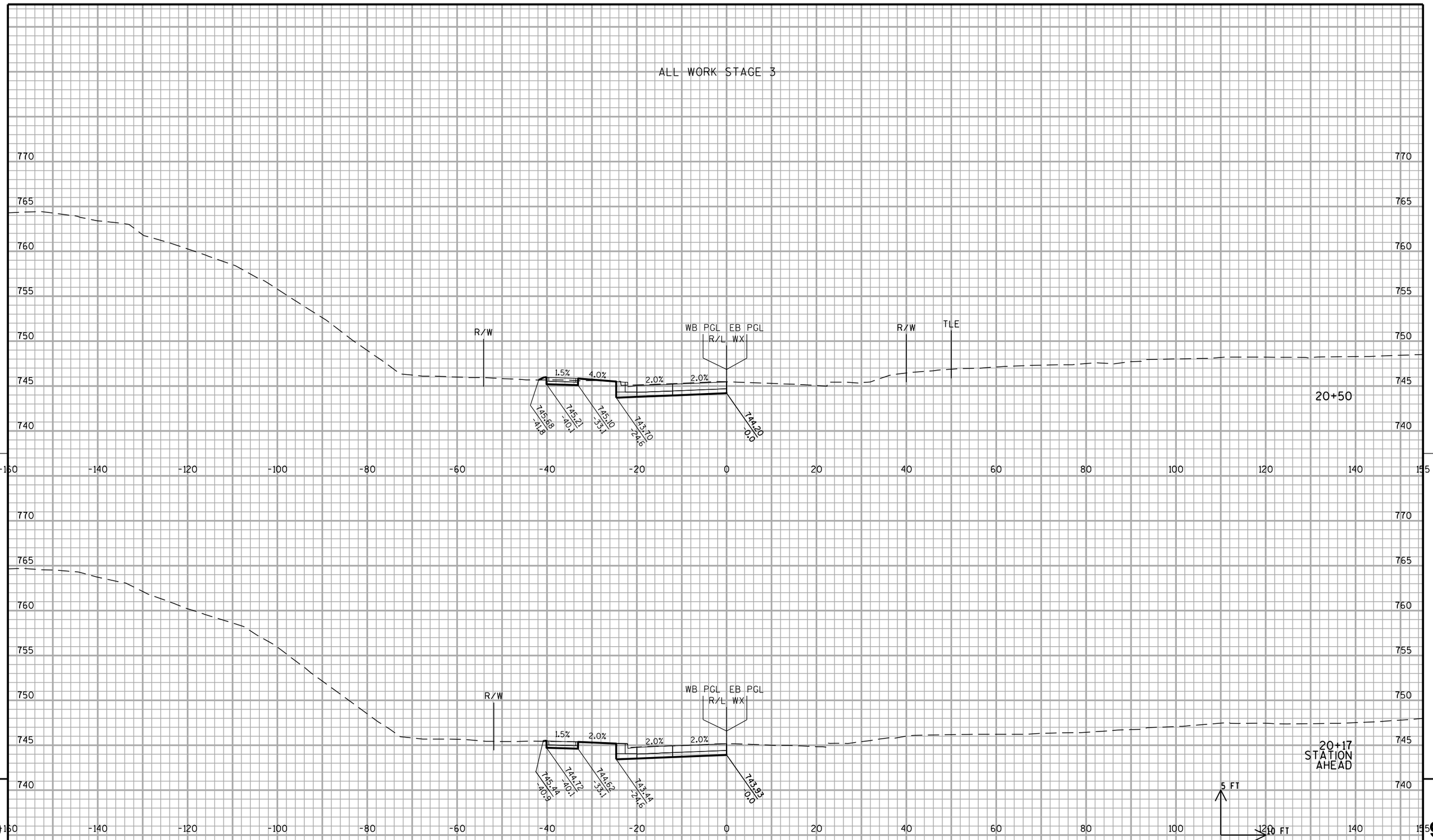


STA 42+33 TO 42+33

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. 100TH STREET (NORTH OF GREENFIELD)	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090503_xs_td.dgn PLOT DATE : 28-APR-2015 03:45 PLOT BY : MSCDYB PLOT NAME : 090503_xs_td33 PLOT SCALE : 20:1

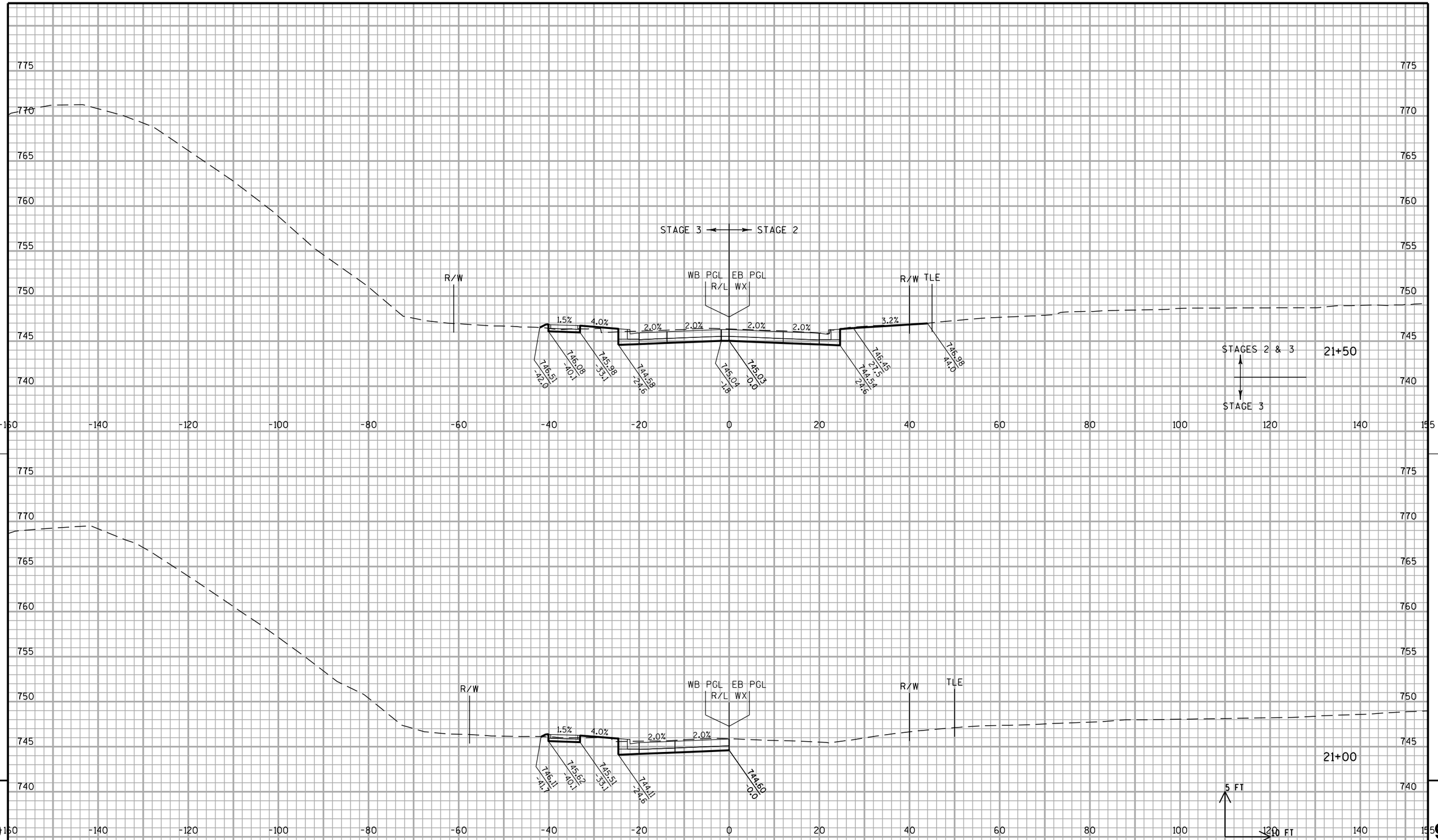
ALL WORK STAGE 3



STA 20+17 TO 20+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

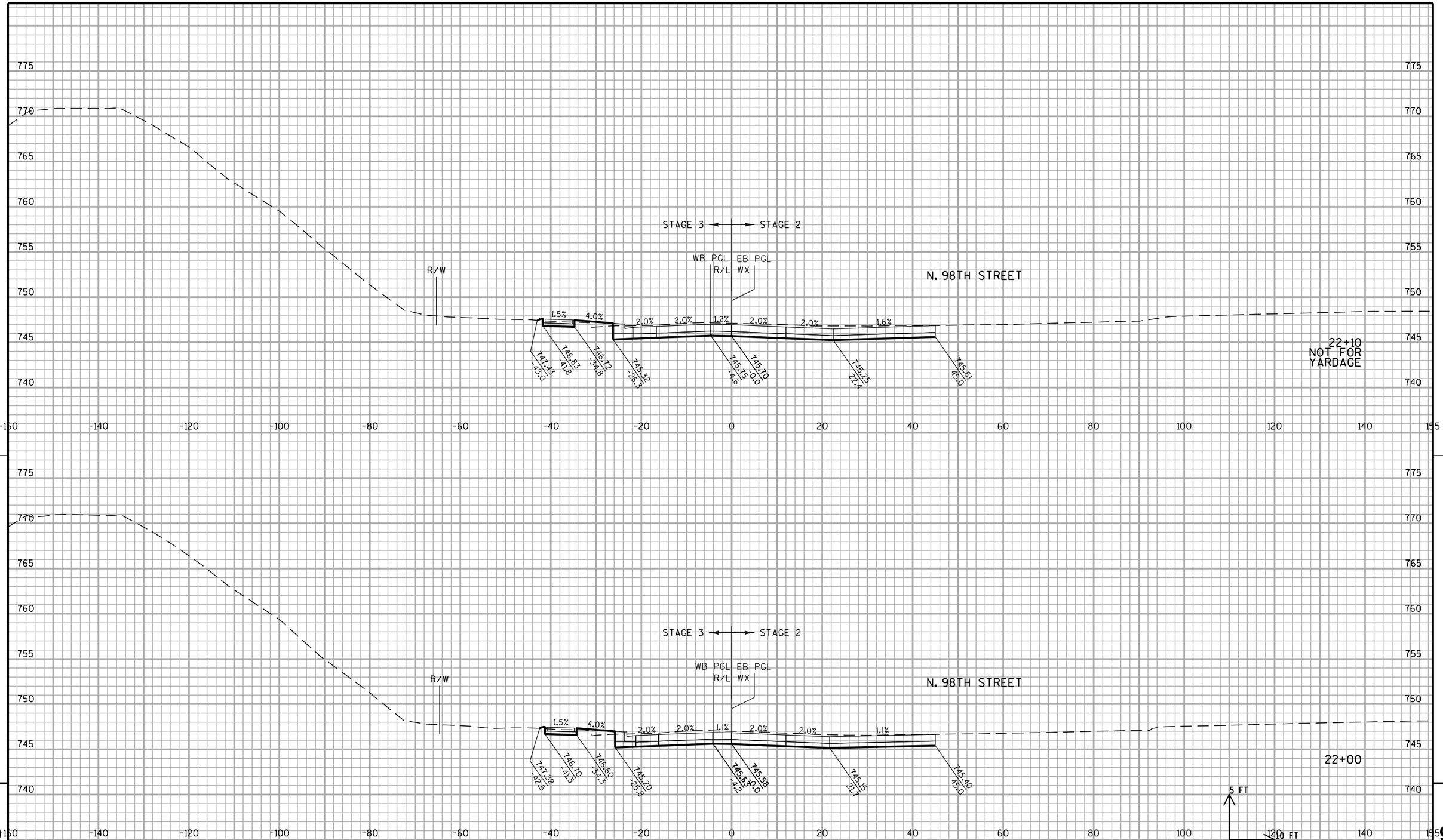
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx PLOT SCALE : 20:1



STA 21+00 TO 21+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

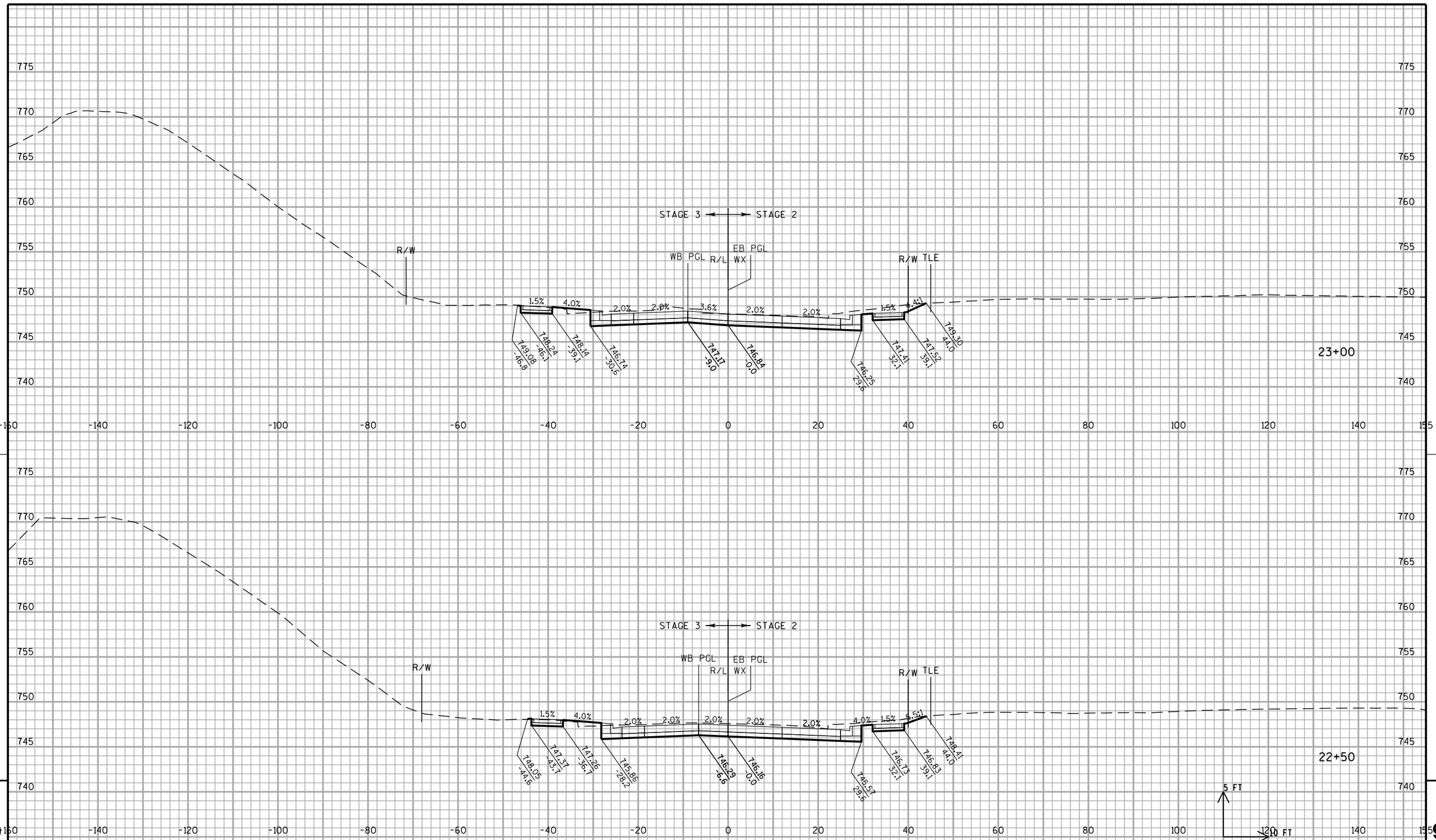


STA 22+00 TO 22+10

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

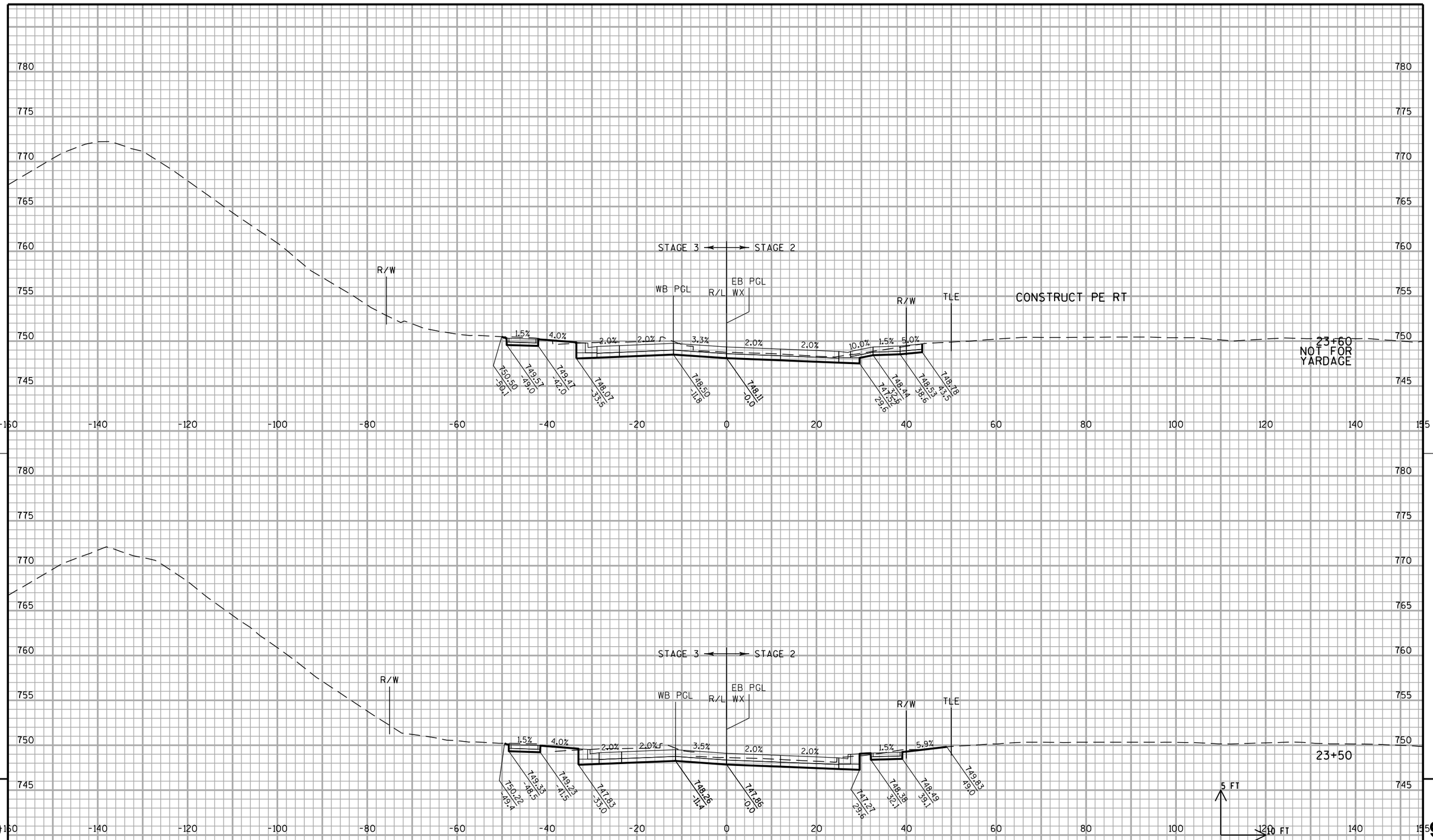
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

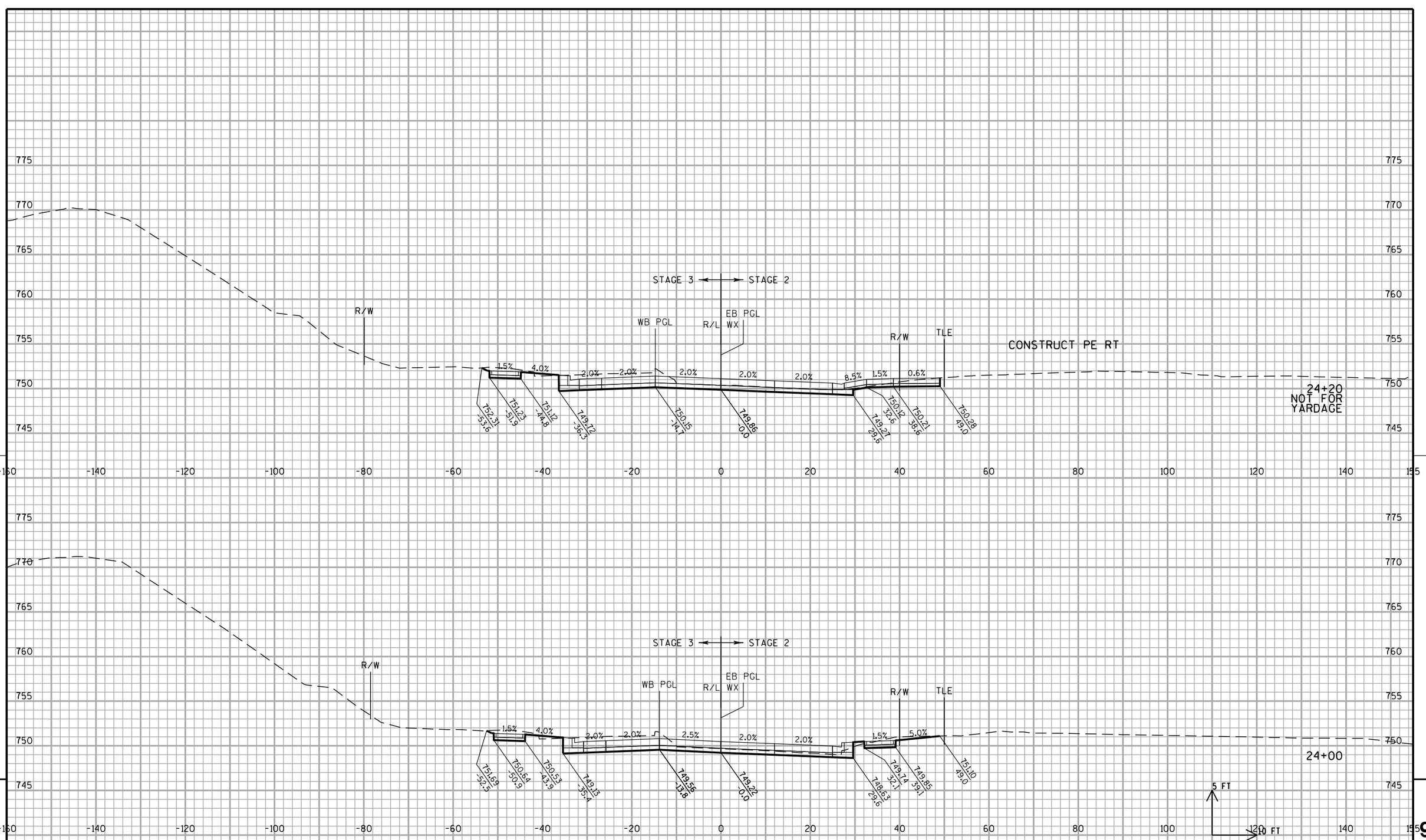
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx3 PLOT SCALE : 20:1



STA 23+50 TO 23+60

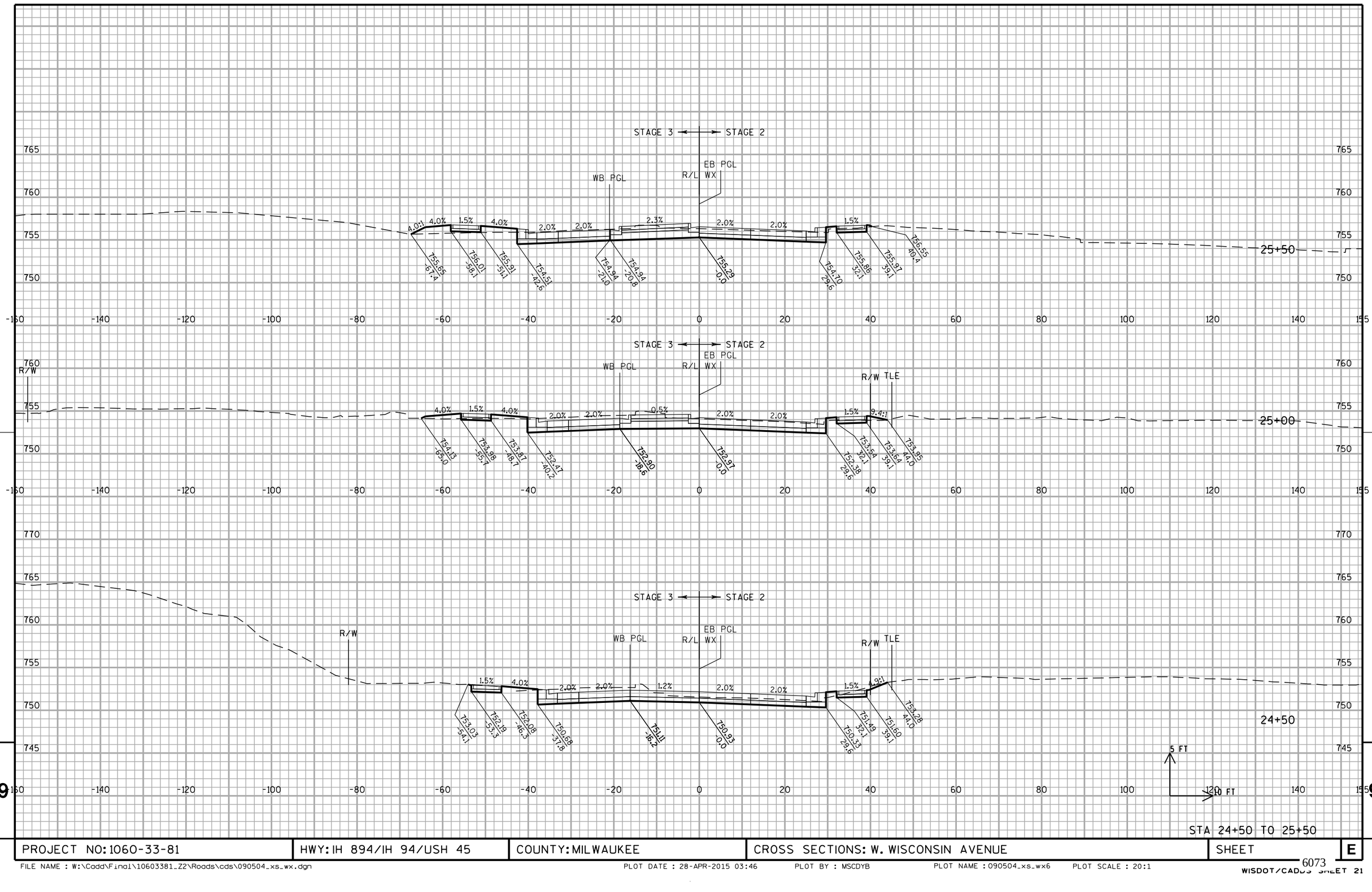
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx4 PLOT SCALE : 20:1



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

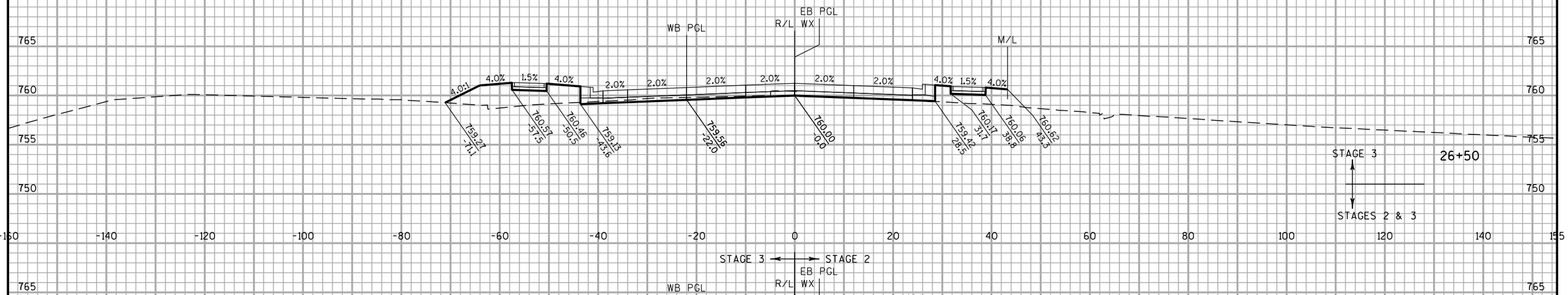
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx5 PLOT SCALE : 20:1

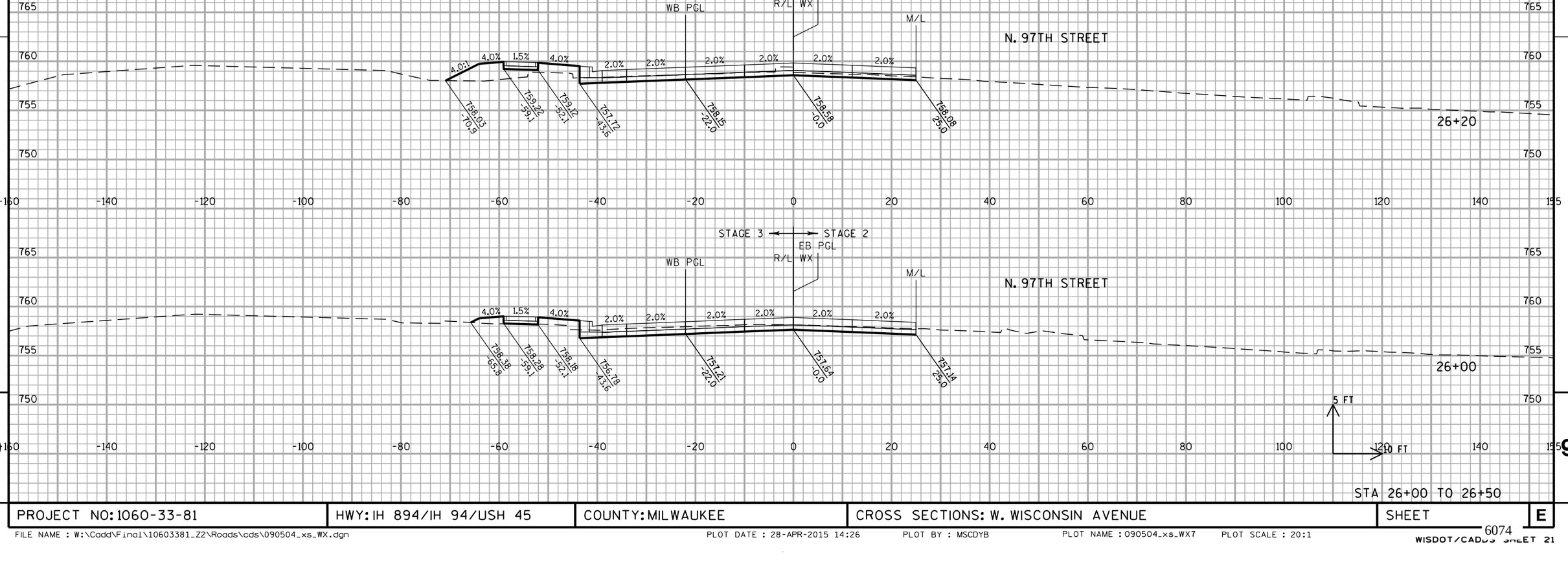


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx6 PLOT SCALE : 20:1

ALL WORK STAGE 3

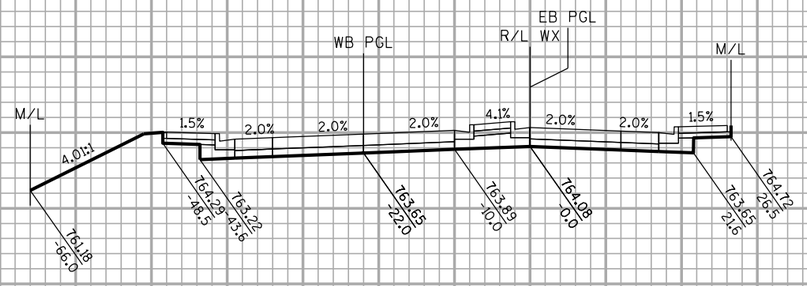




STA 26+00 TO 26+50

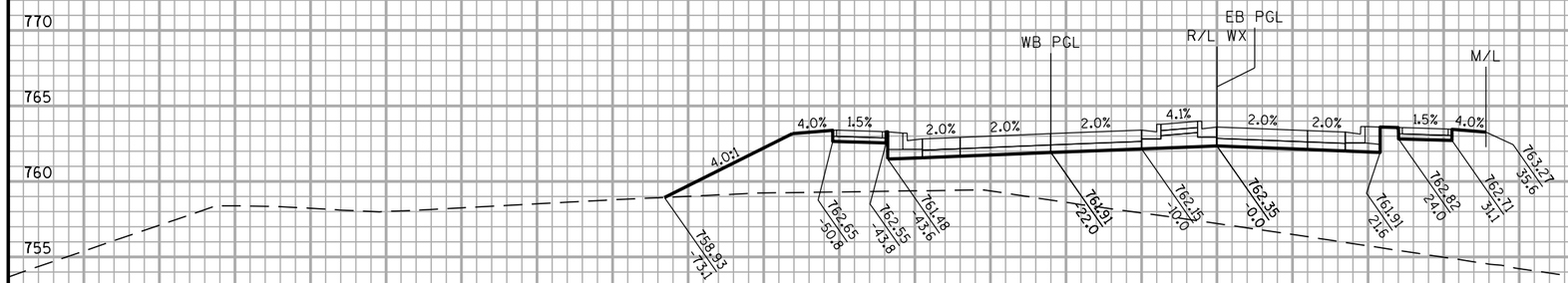
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

ALL WORK STAGE 3



27+37
STATION
BACK

27+00



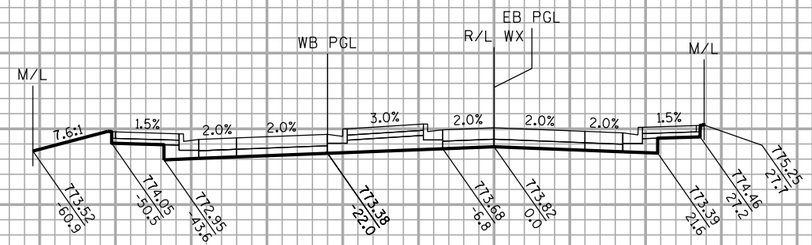
5 FT
10 FT

STA 27+00 TO 27+37

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

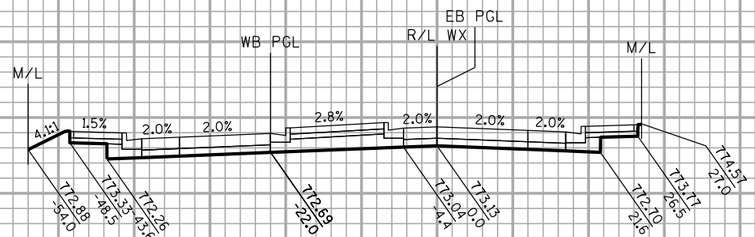
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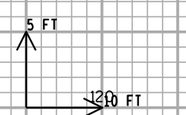
ALL WORK STAGE 4



30+00

29+77 STATION AHEAD



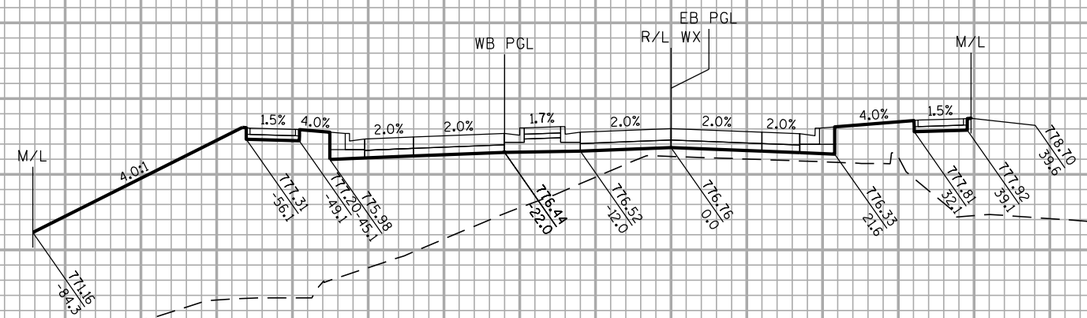


STA 29+77 TO 30+00

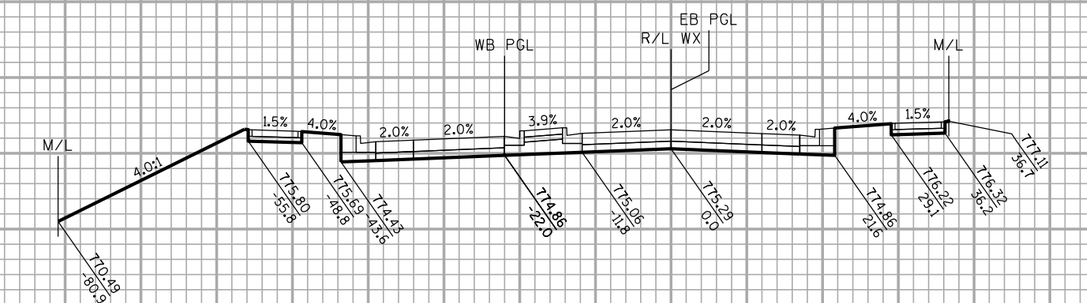
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx9 PLOT SCALE : 20:1

ALL WORK STAGE 4



31+00



30+50

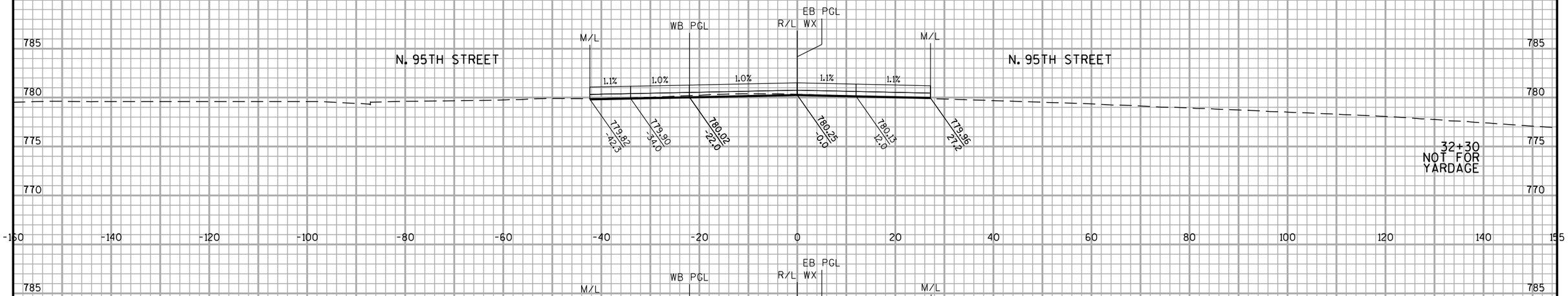
5 FT
10 FT

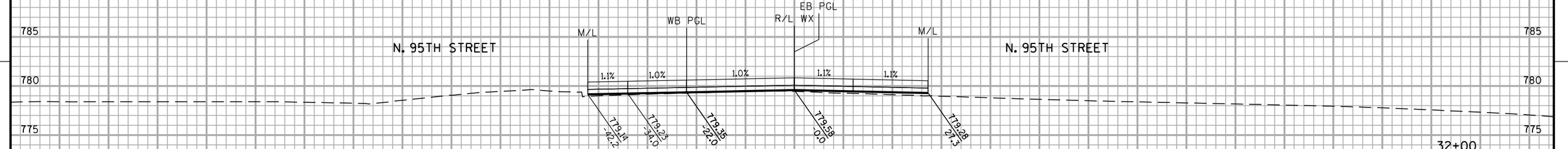
STA 30+50 TO 31+00

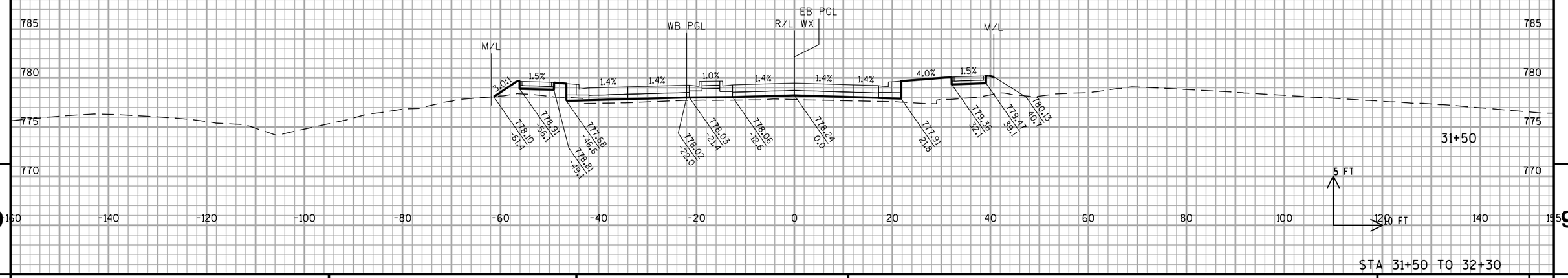
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx10 PLOT SCALE : 20:1

ALL WORK STAGE 4



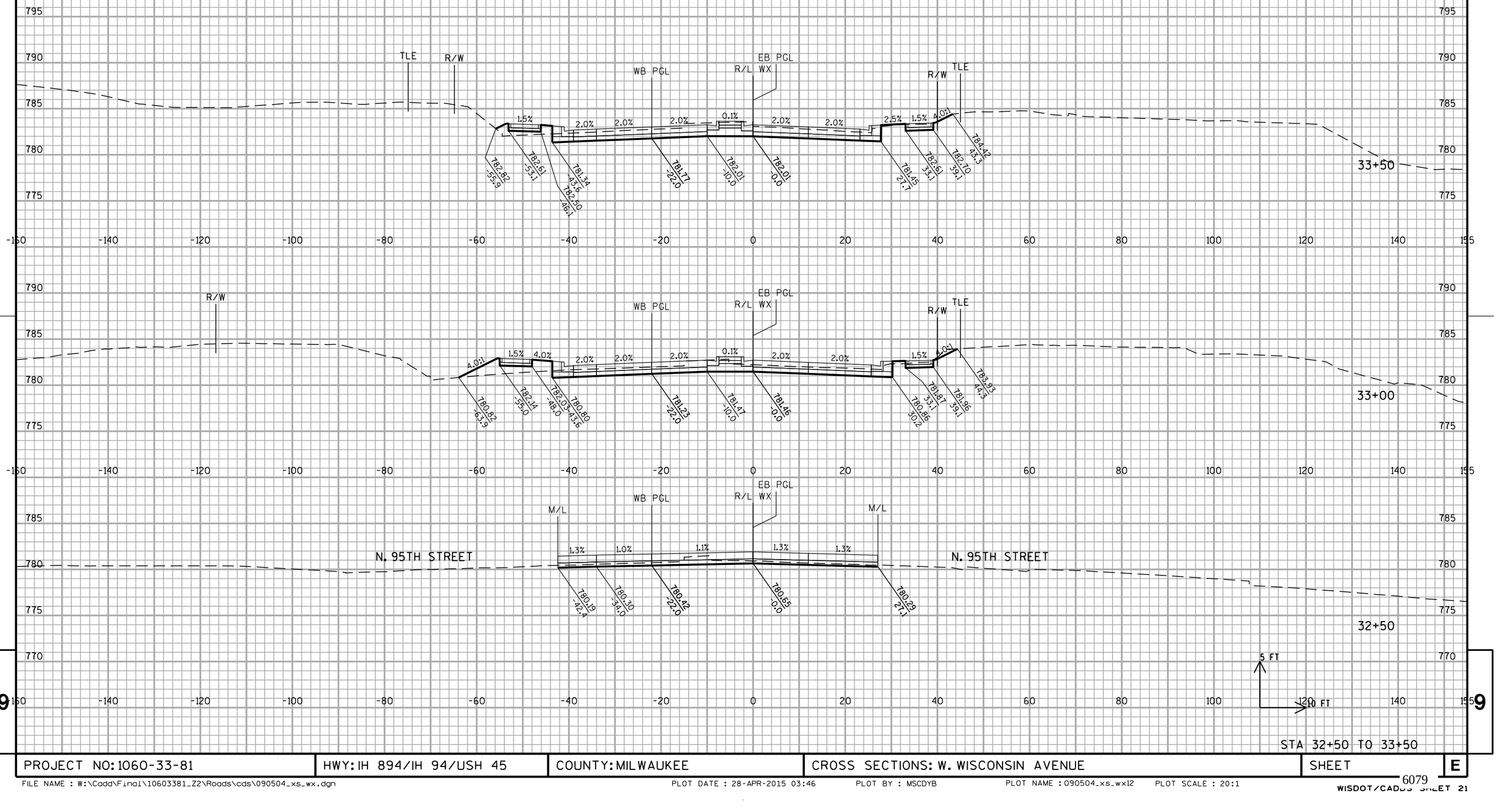




STA 31+50 TO 32+30

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

ALL WORK STAGE 4



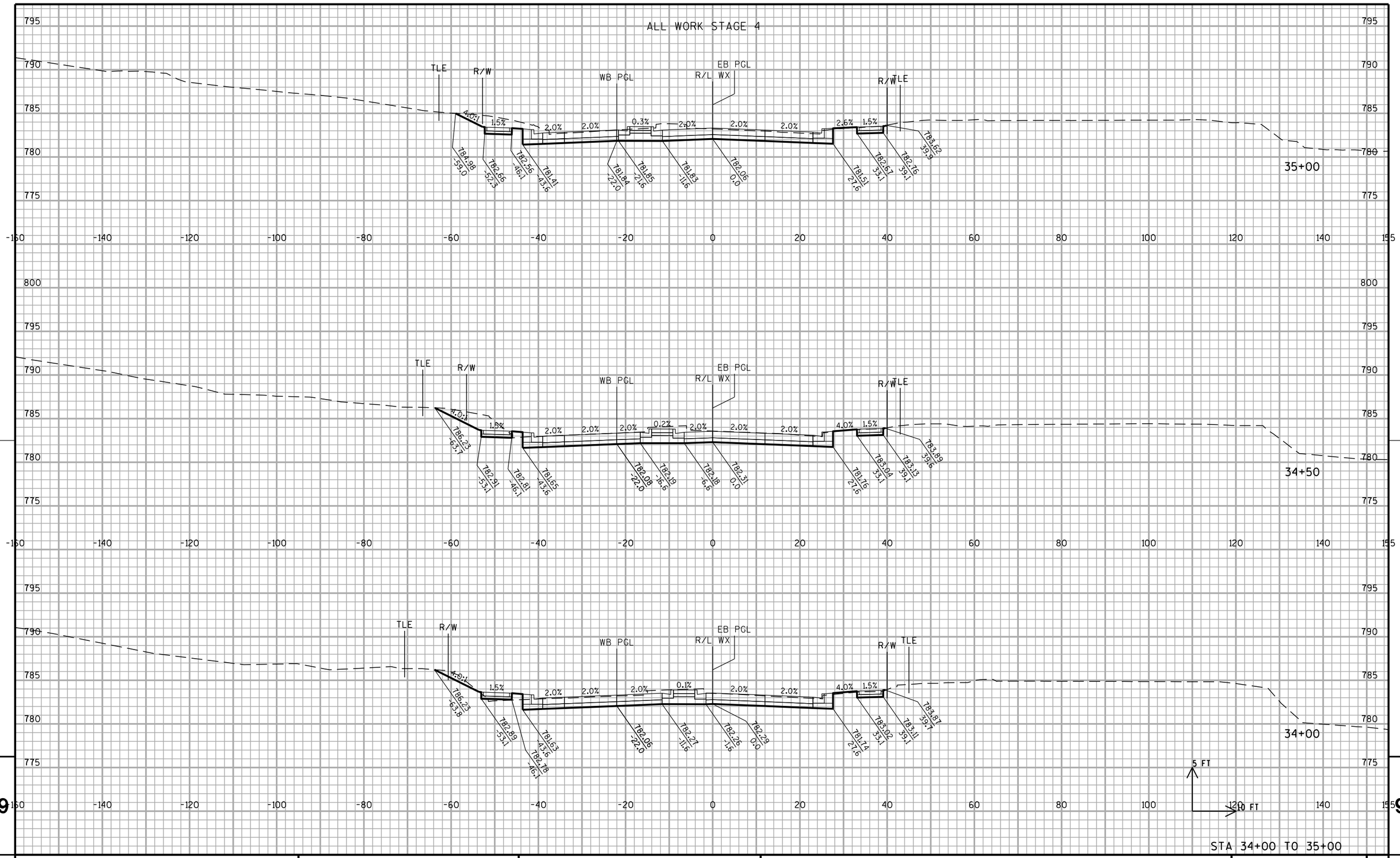
STA 32+50 TO 33+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

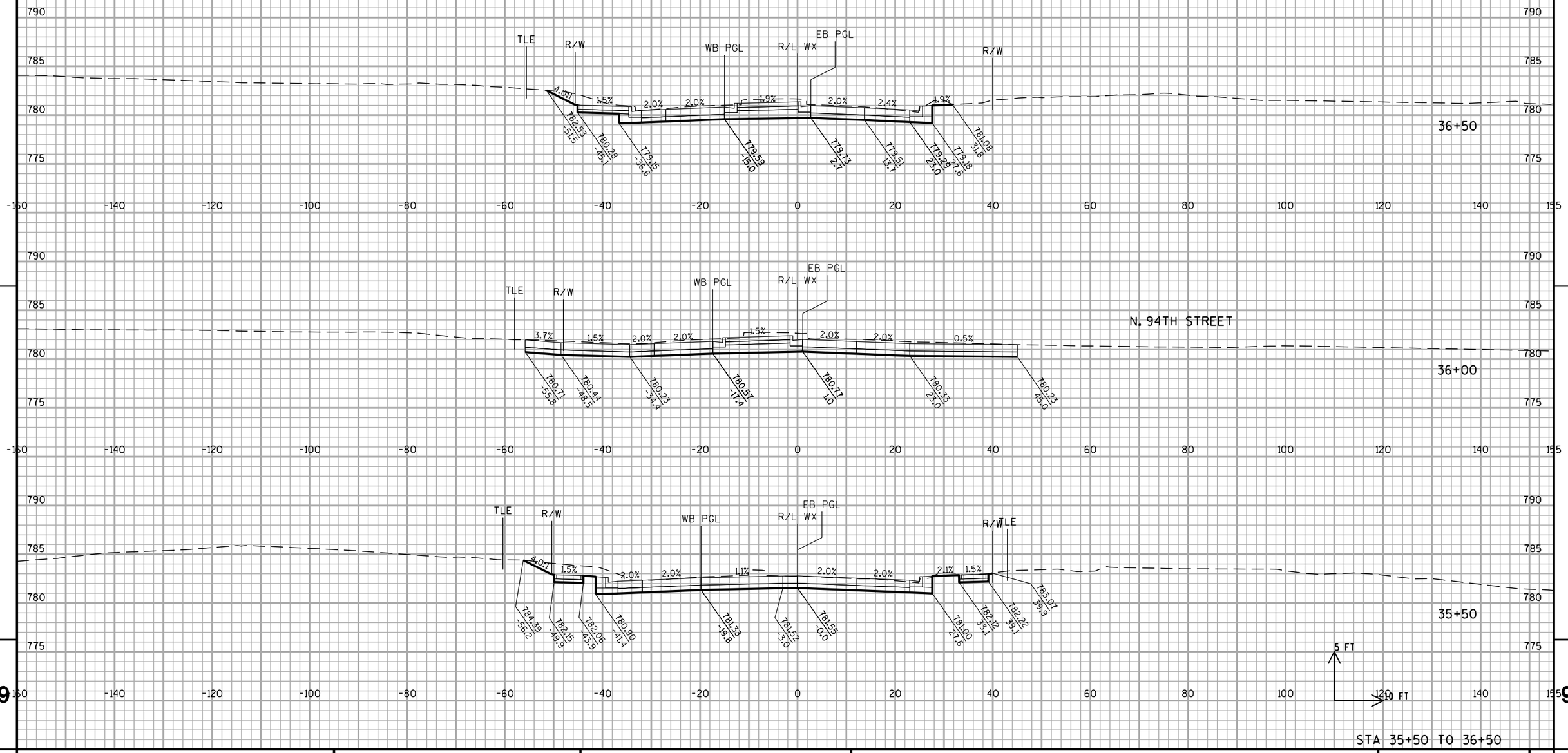


STA 34+00 TO 35+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx13 PLOT SCALE : 20:1

ALL WORK STAGE 4

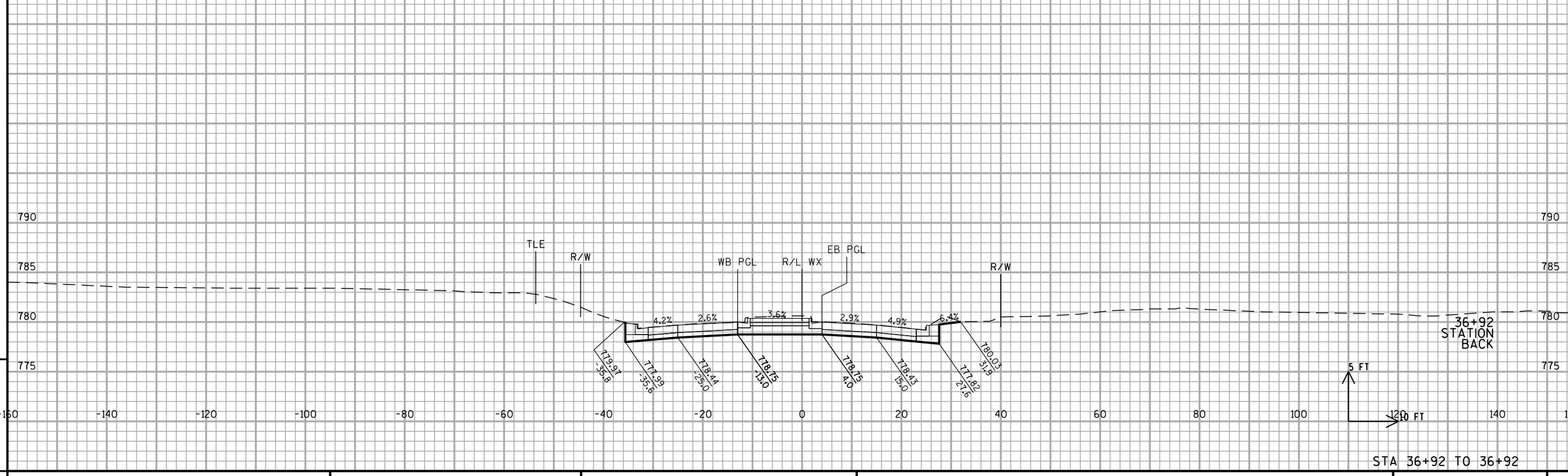


STA 35+50 TO 36+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

9 9

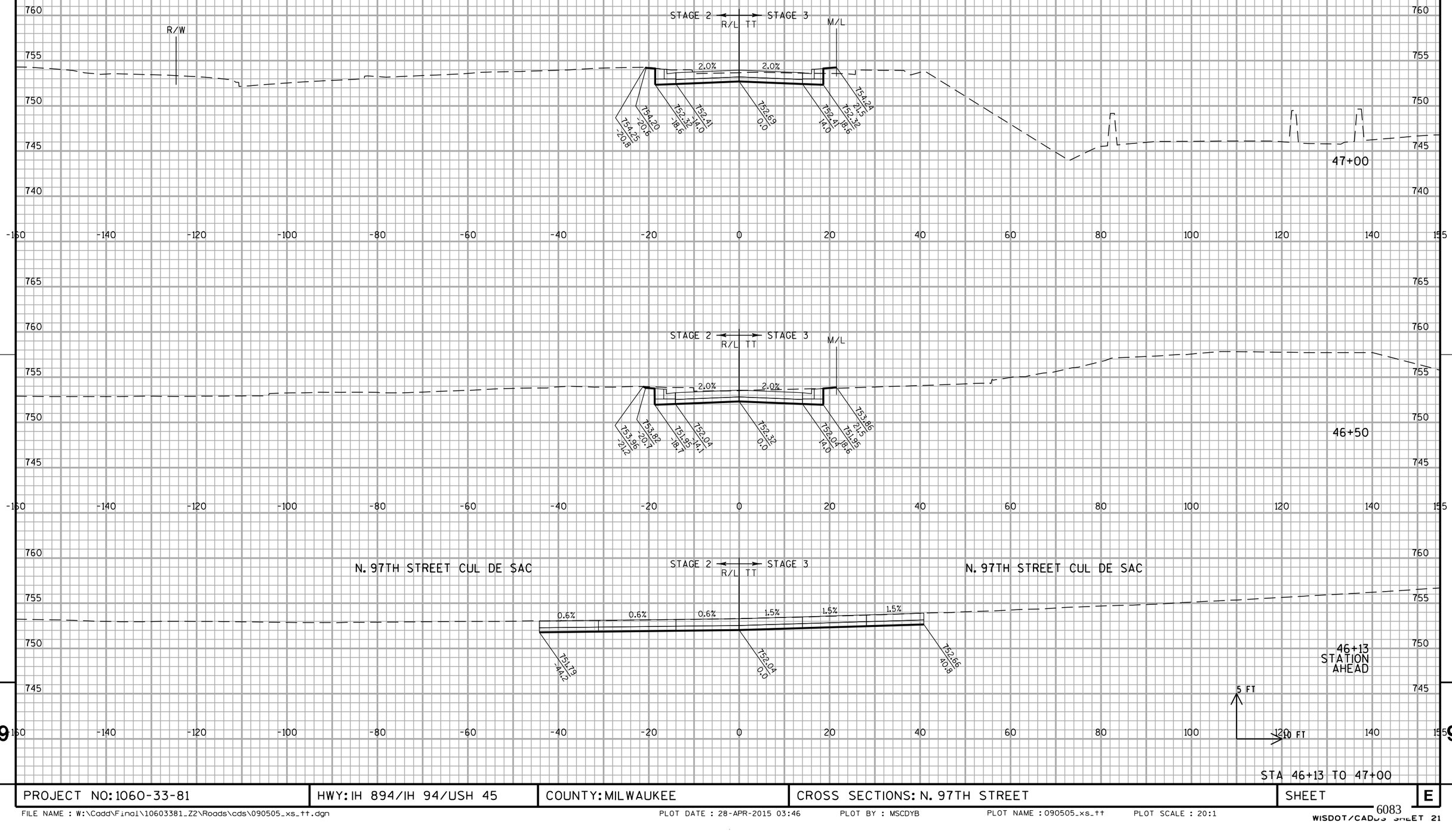
ALL WORK STAGE 4



STA 36+92 TO 36+92

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. WISCONSIN AVENUE	SHEET	E

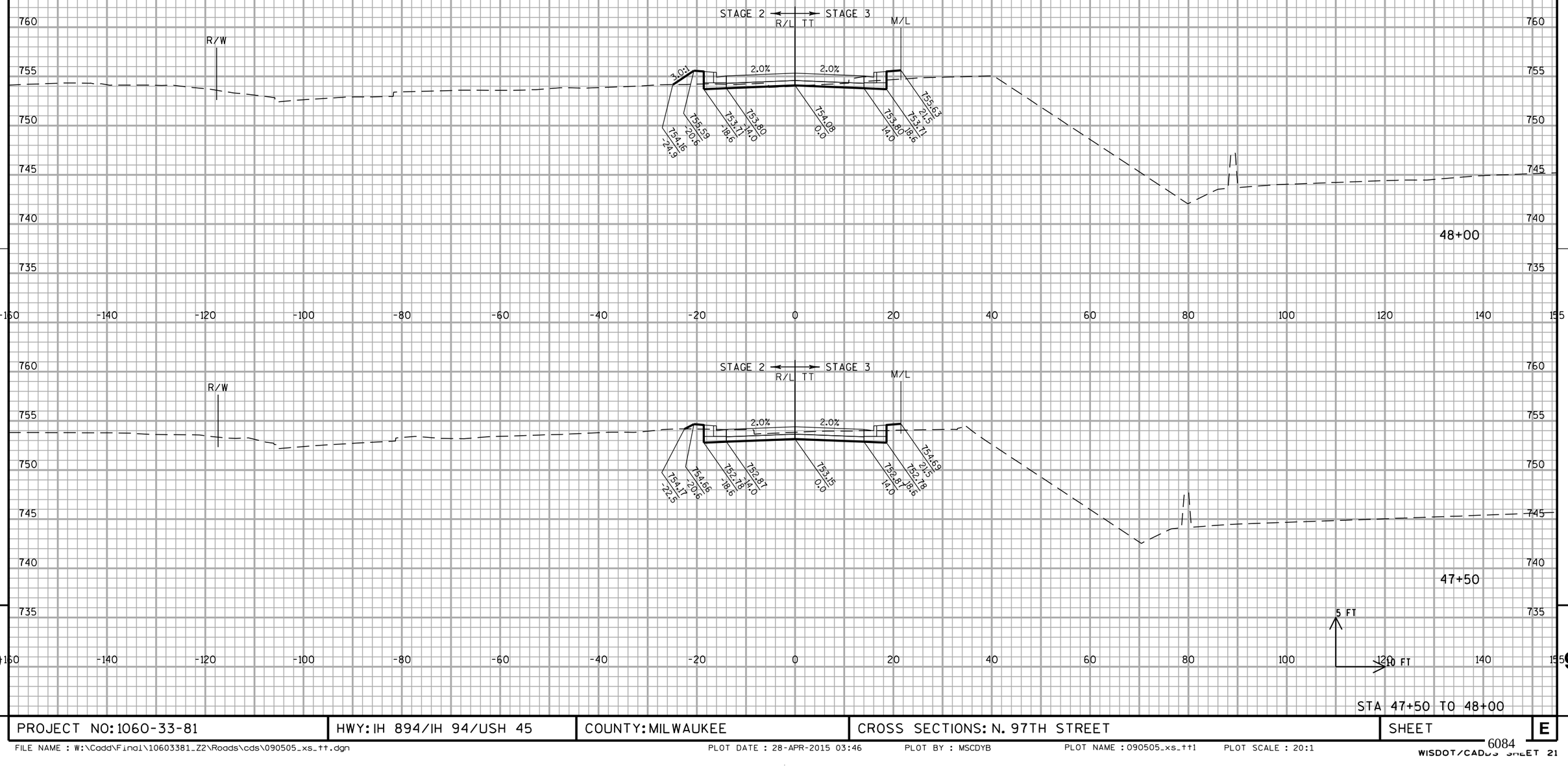
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090504_xs_wx.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090504_xs_wx15 PLOT SCALE : 20:1



STA 46+13 TO 47+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 97TH STREET	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090505_xs_tt.dgn
PLOT DATE : 28-APR-2015 03:46
PLOT BY : MSCDYB
PLOT NAME : 090505_xs_tt
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

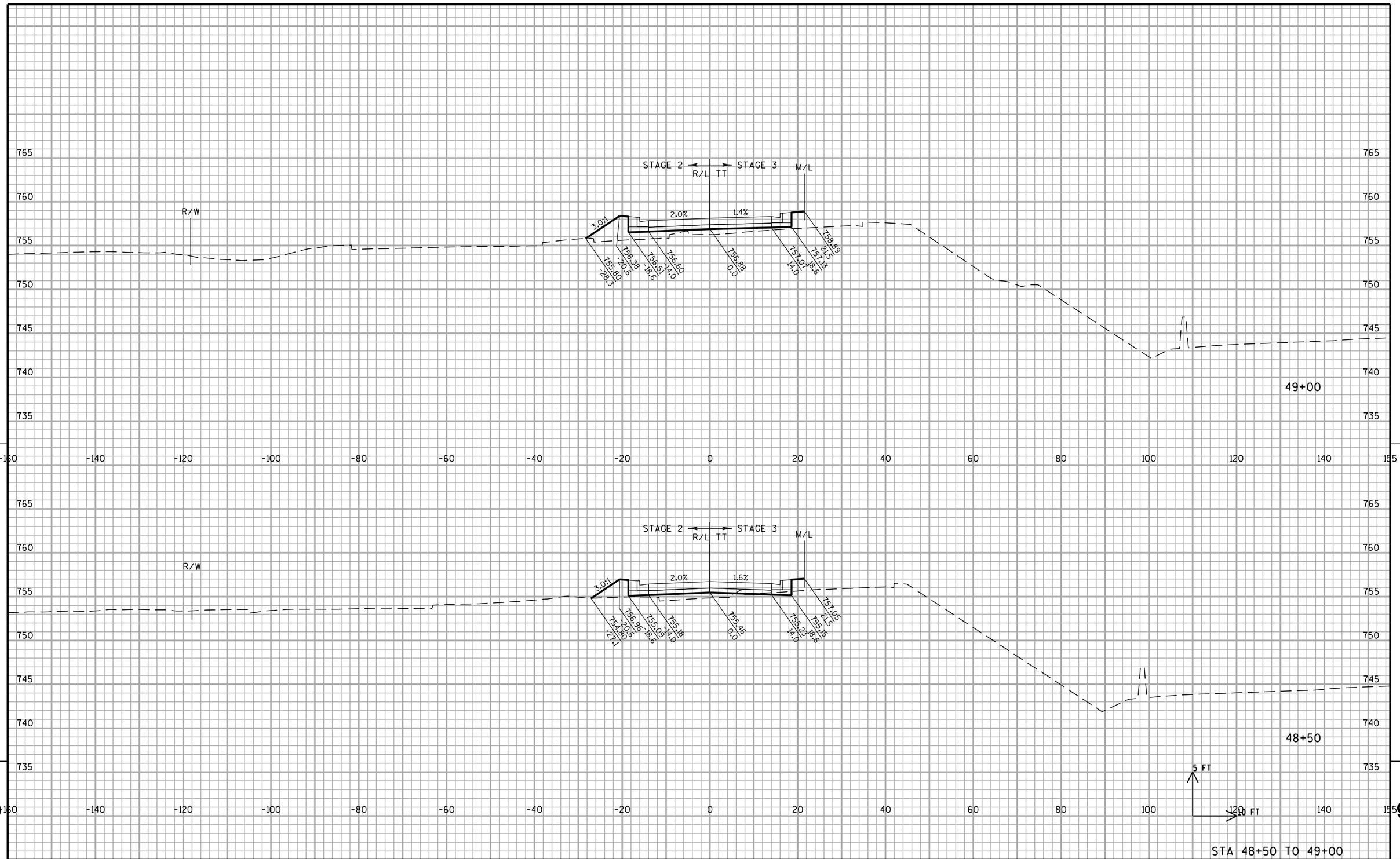


STA 47+50 TO 48+00

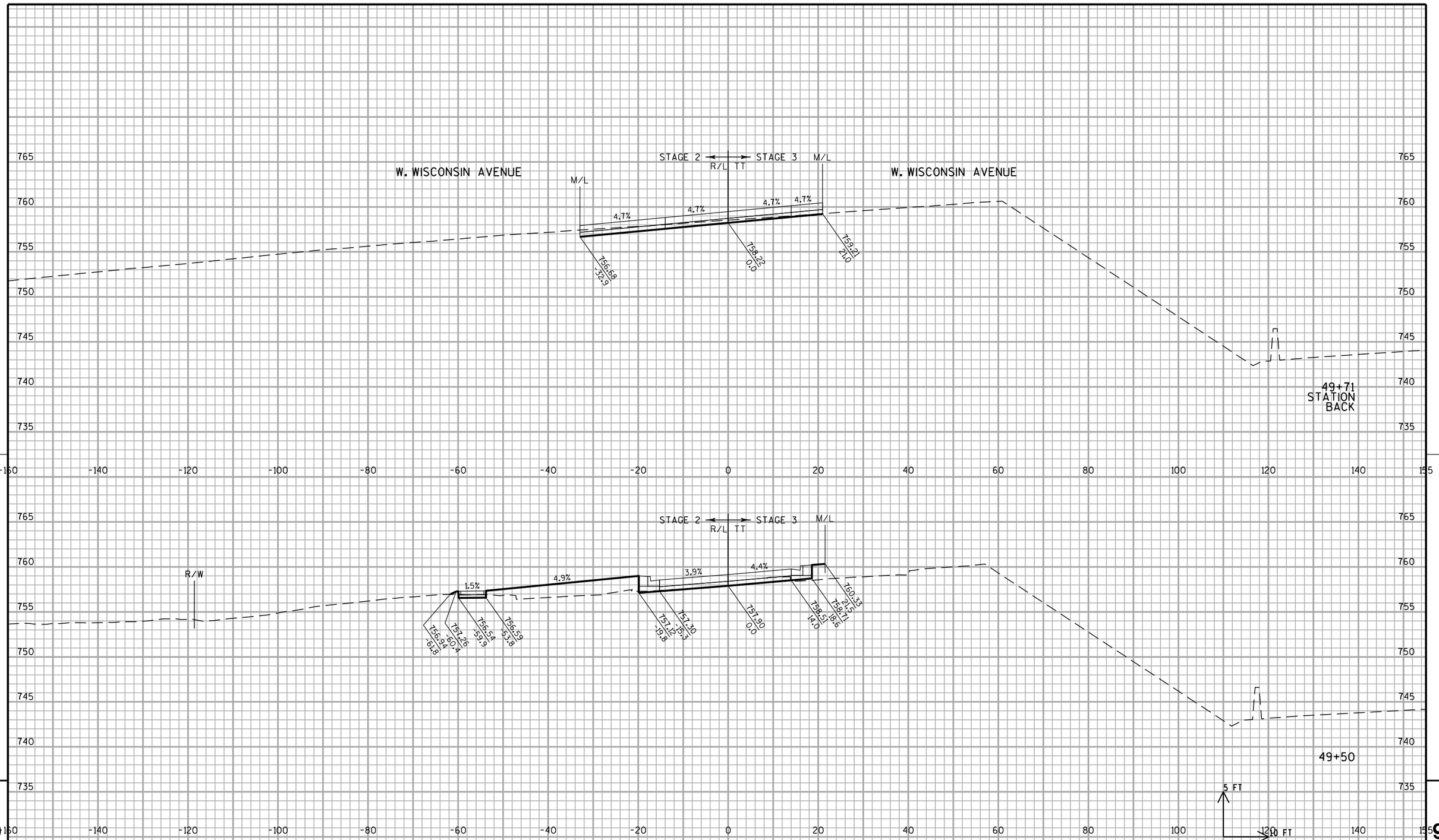
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 97TH STREET	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090505_xs_tt.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090505_xs_tt1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



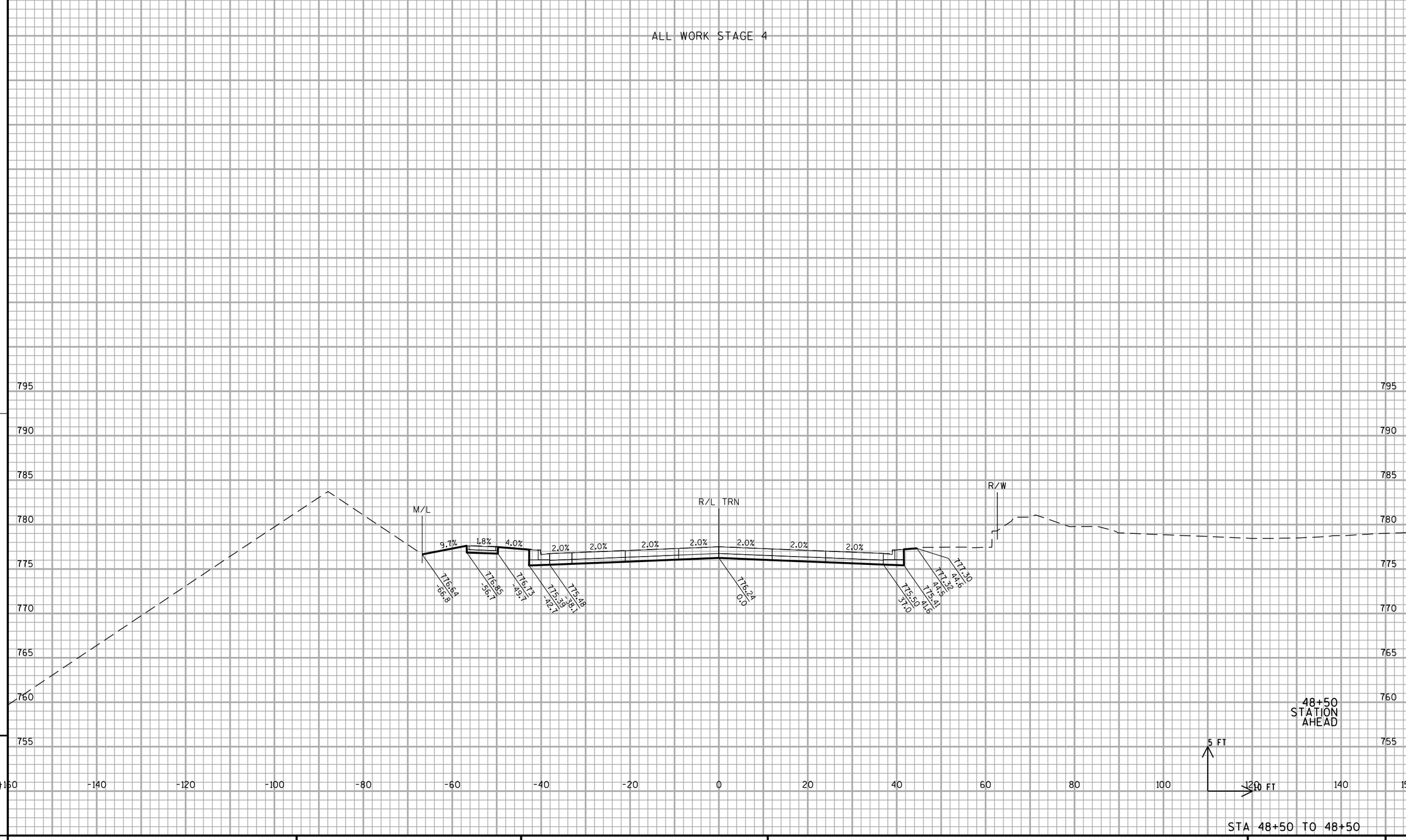
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 97TH STREET	SHEET	E



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 97TH STREET	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090505_xs_tt.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090505_xs_tt3 PLOT SCALE : 20:1

ALL WORK STAGE 4

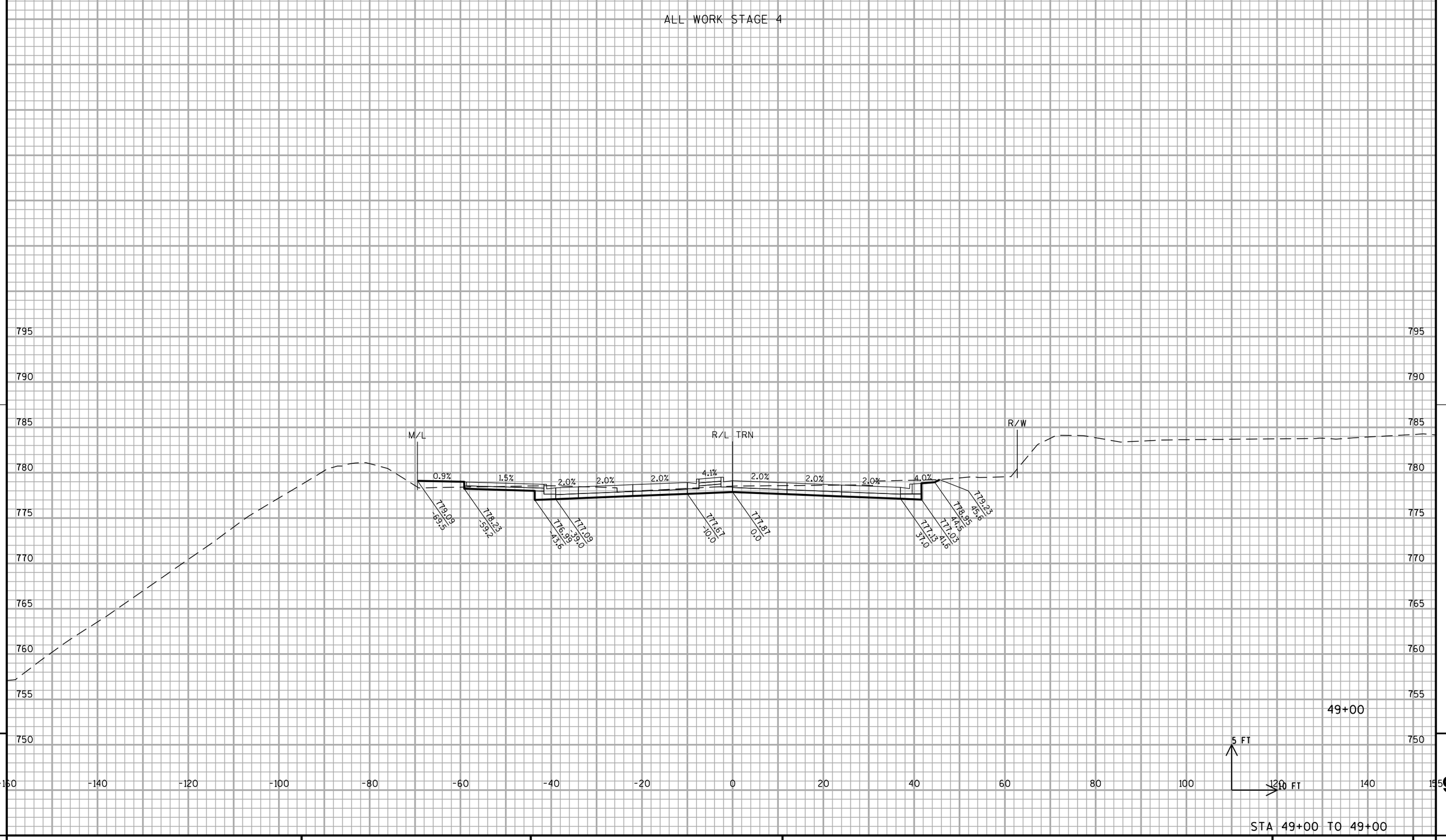


STA 48+50 TO 48+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090506_xs_trn.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090506_xs_trn PLOT SCALE : 20:1

ALL WORK STAGE 4

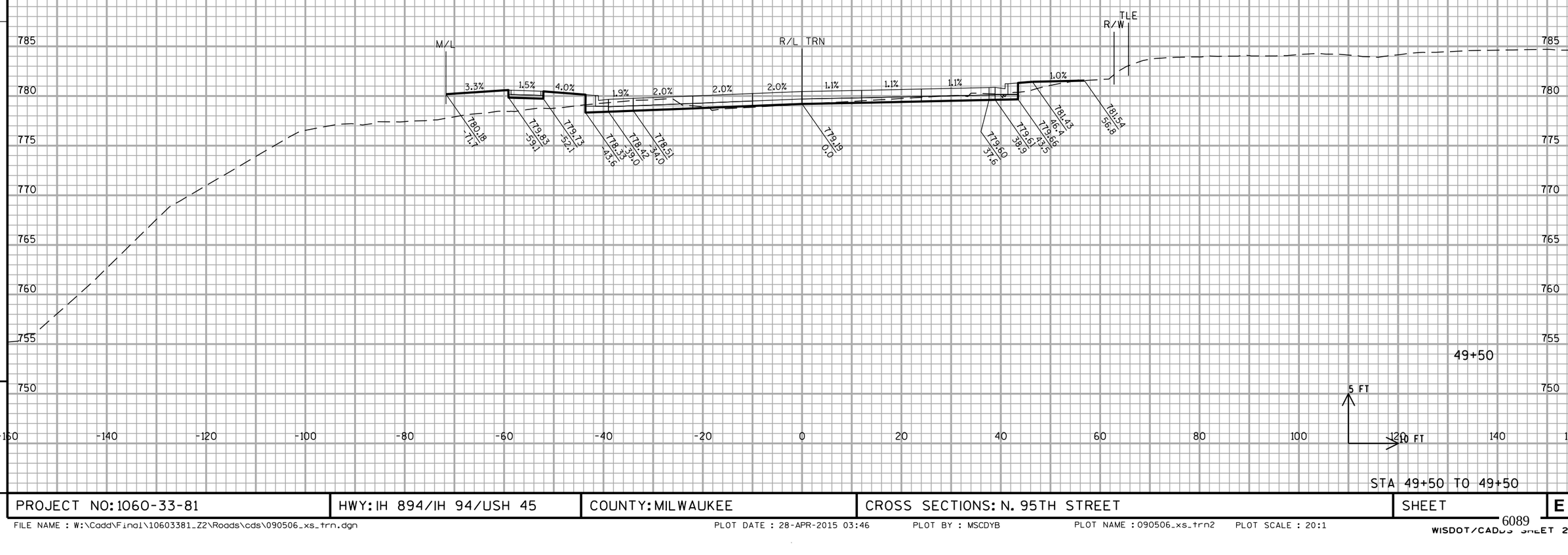


STA 49+00 TO 49+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090506_xs_trn.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090506_xs_trnl PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

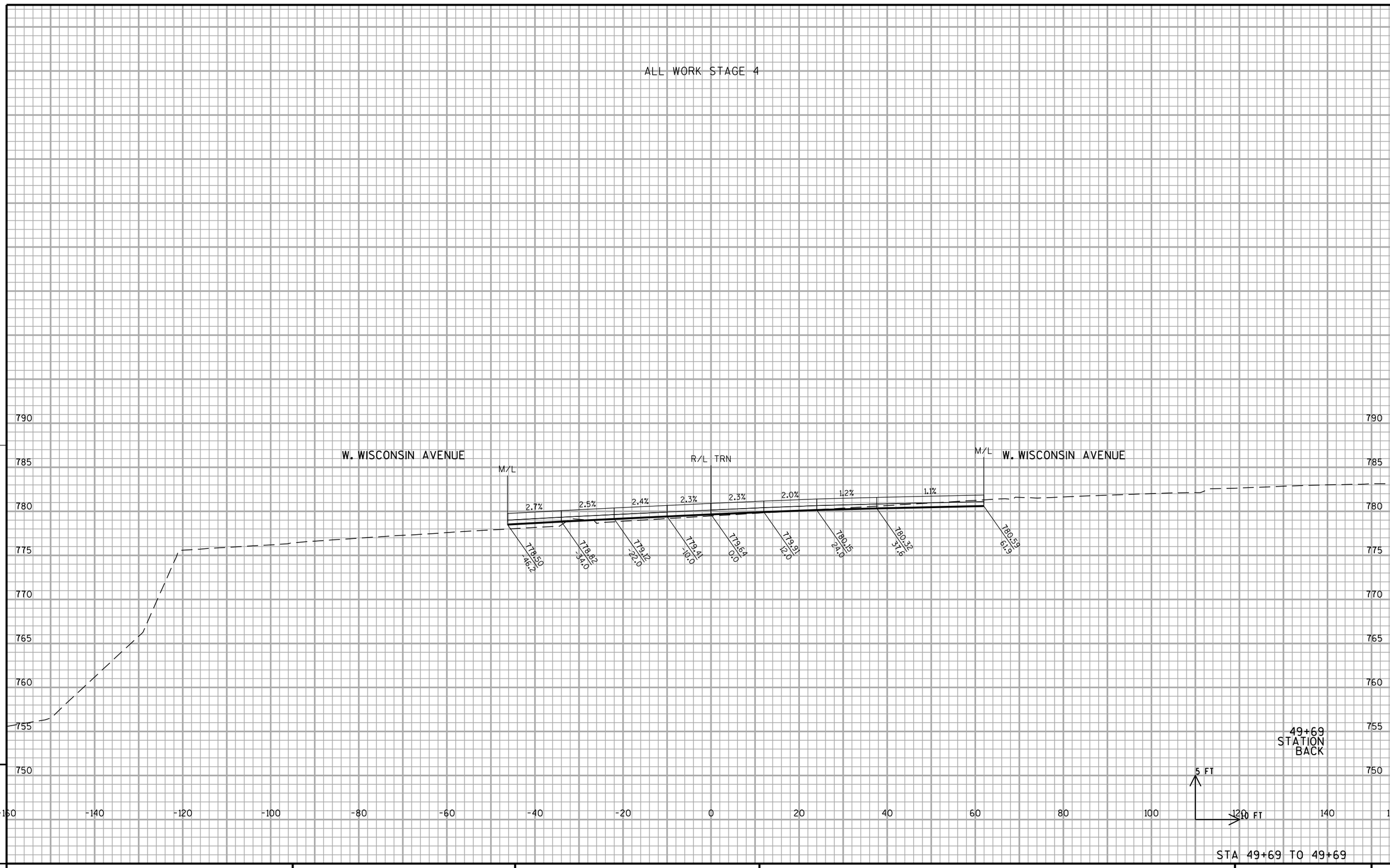


STA 49+50 TO 49+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090506_xs_trn.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090506_xs_trn2 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

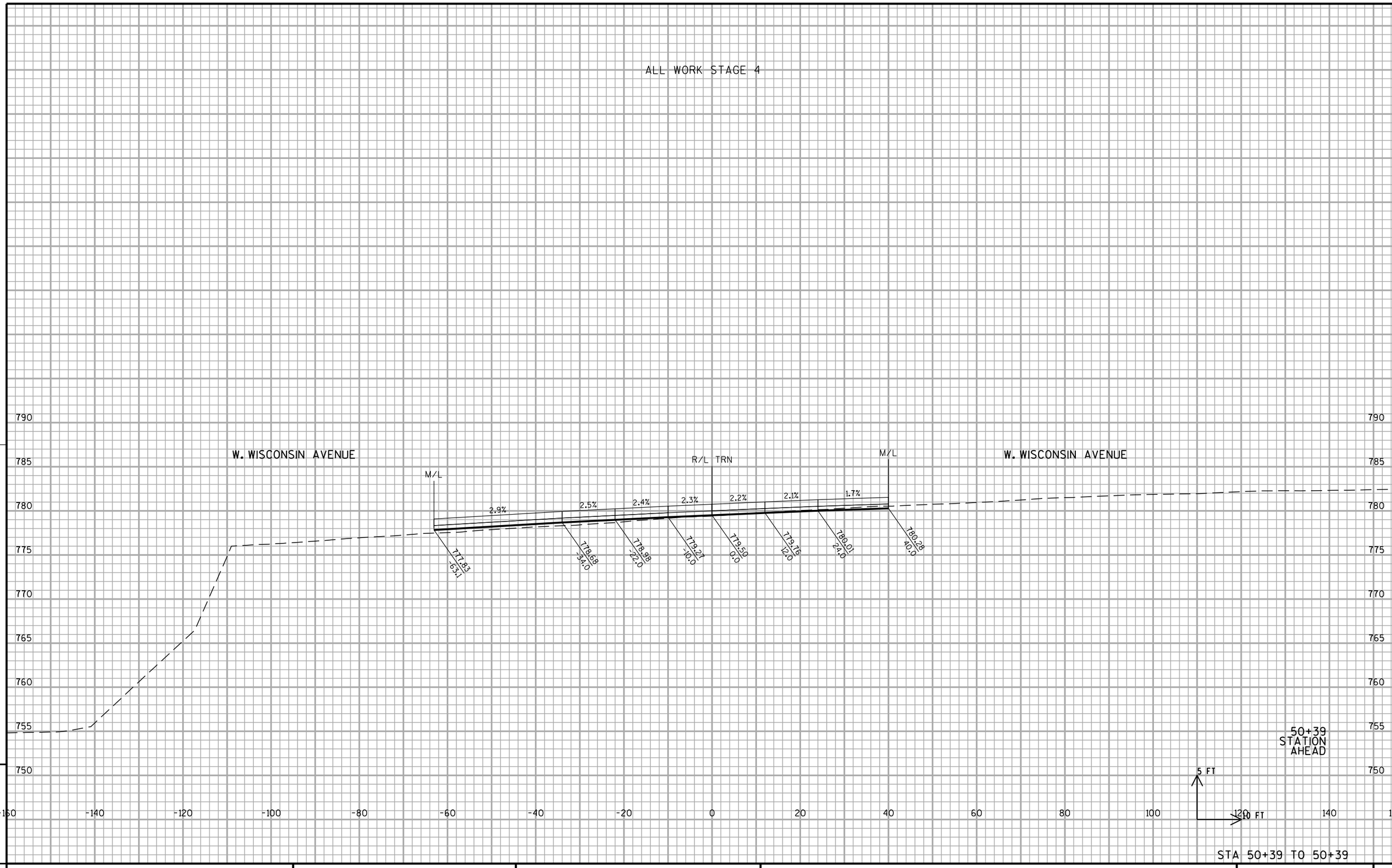
ALL WORK STAGE 4



STA 49+69 TO 49+69

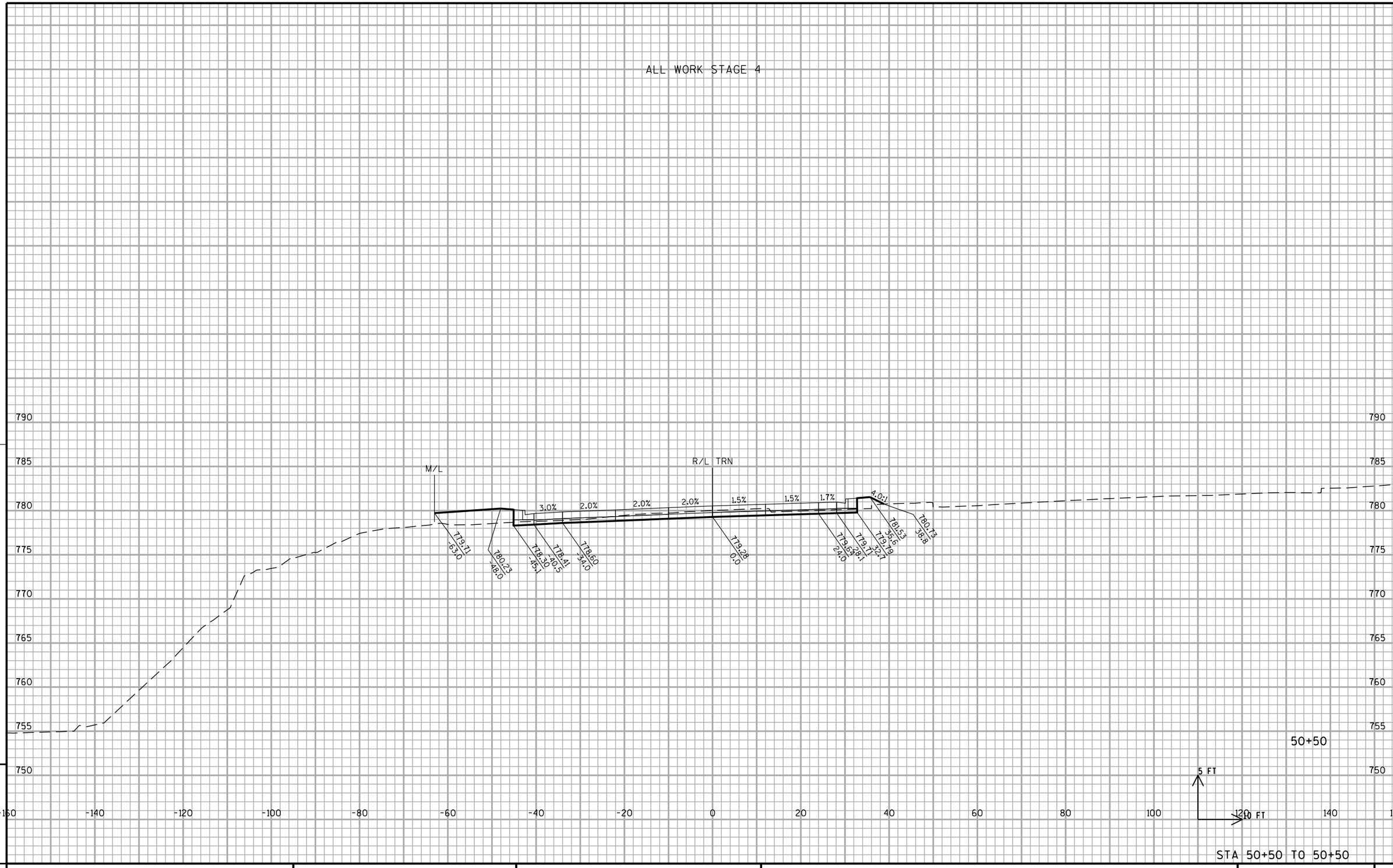
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

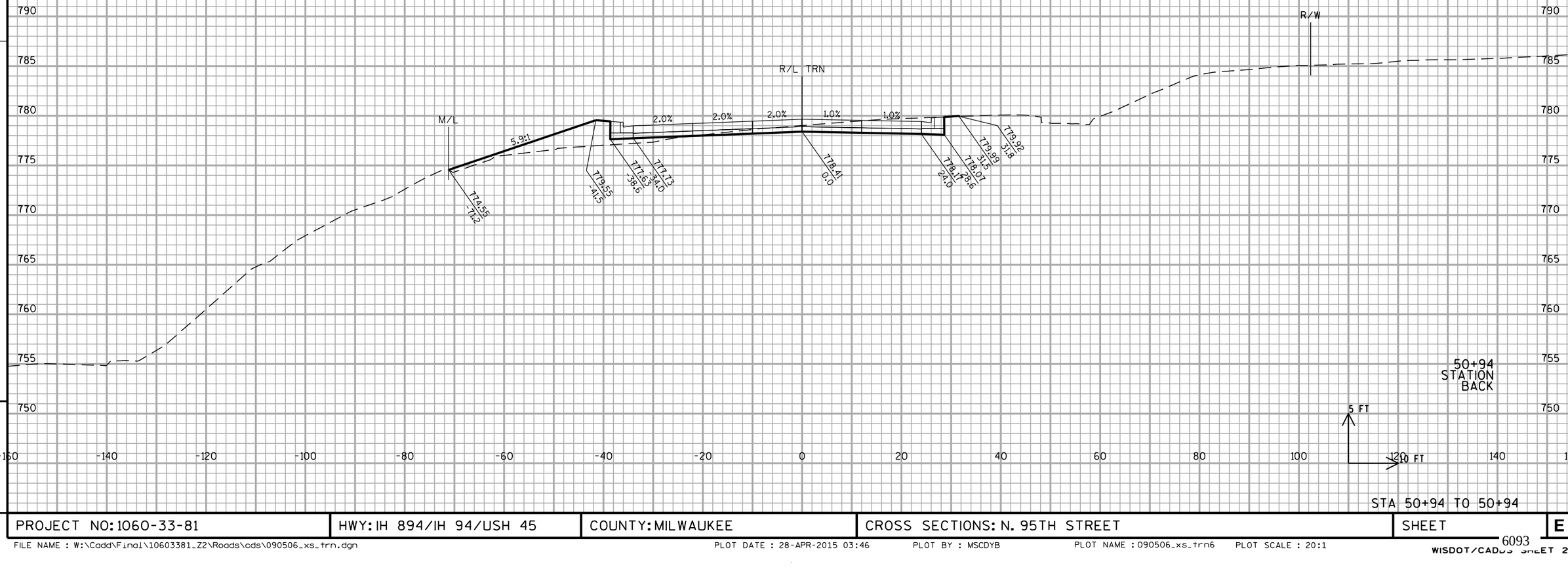
ALL WORK STAGE 4



STA 50+50 TO 50+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

ALL WORK STAGE 4



STA 50+94 TO 50+94

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: N. 95TH STREET	SHEET	E

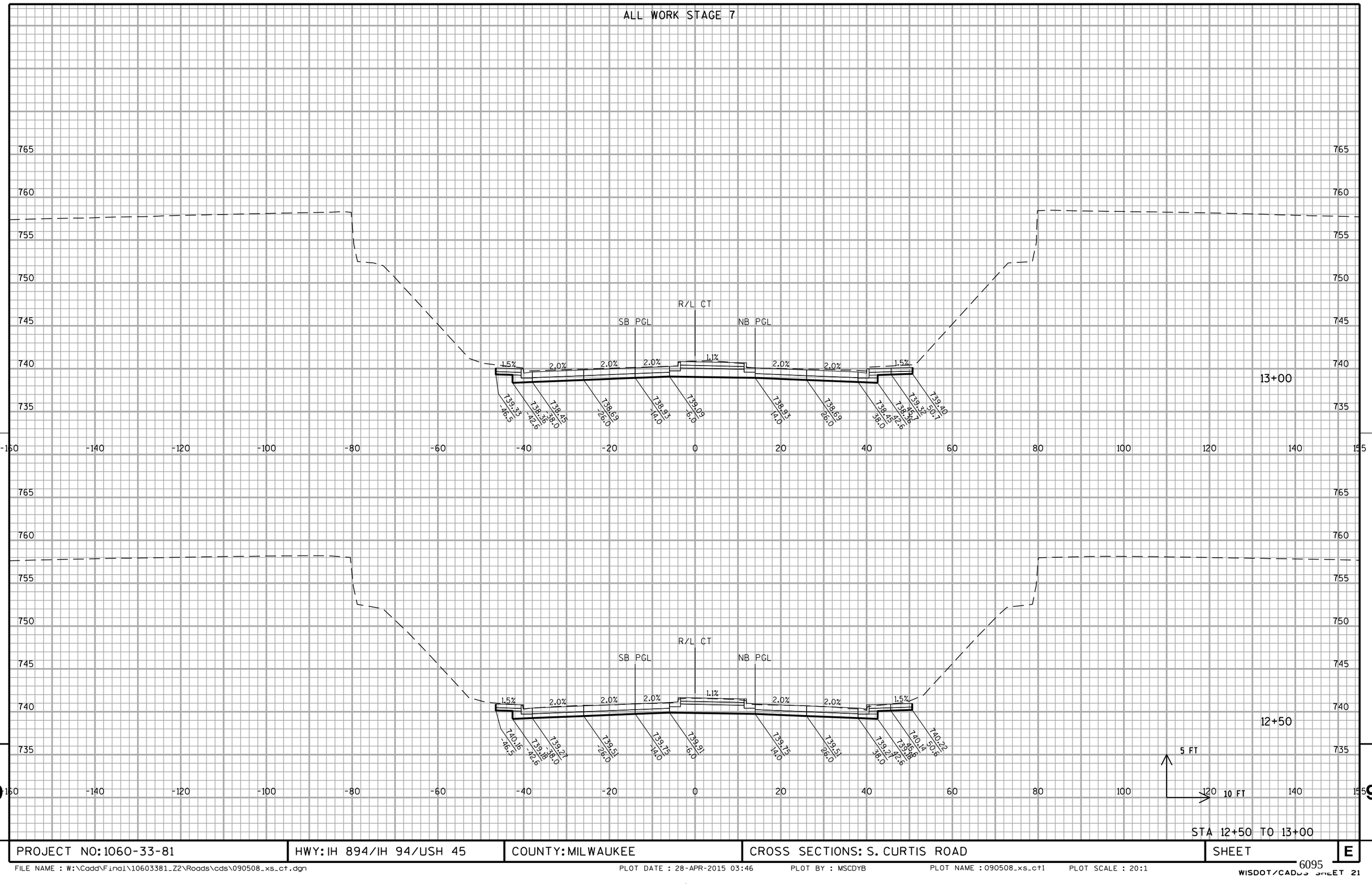
ALL WORK STAGE 7

STA 11+33 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. CURTIS ROAD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090508_xs_ct.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090508_xs_ct PLOT SCALE : 20:1

ALL WORK STAGE 7

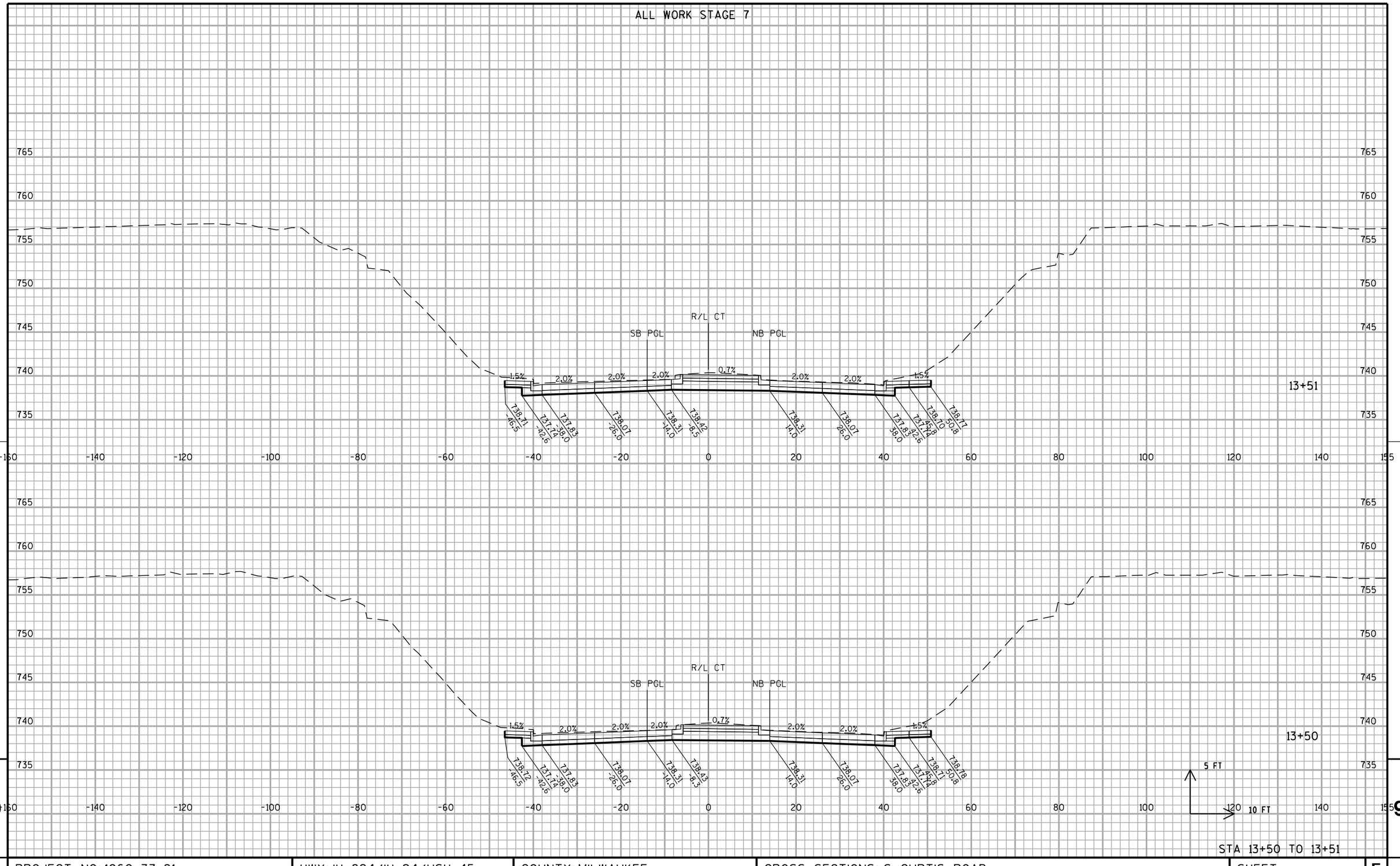


STA 12+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. CURTIS ROAD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090508_xs_ct.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090508_xs_ct1 PLOT SCALE : 20:1

ALL WORK STAGE 7



9

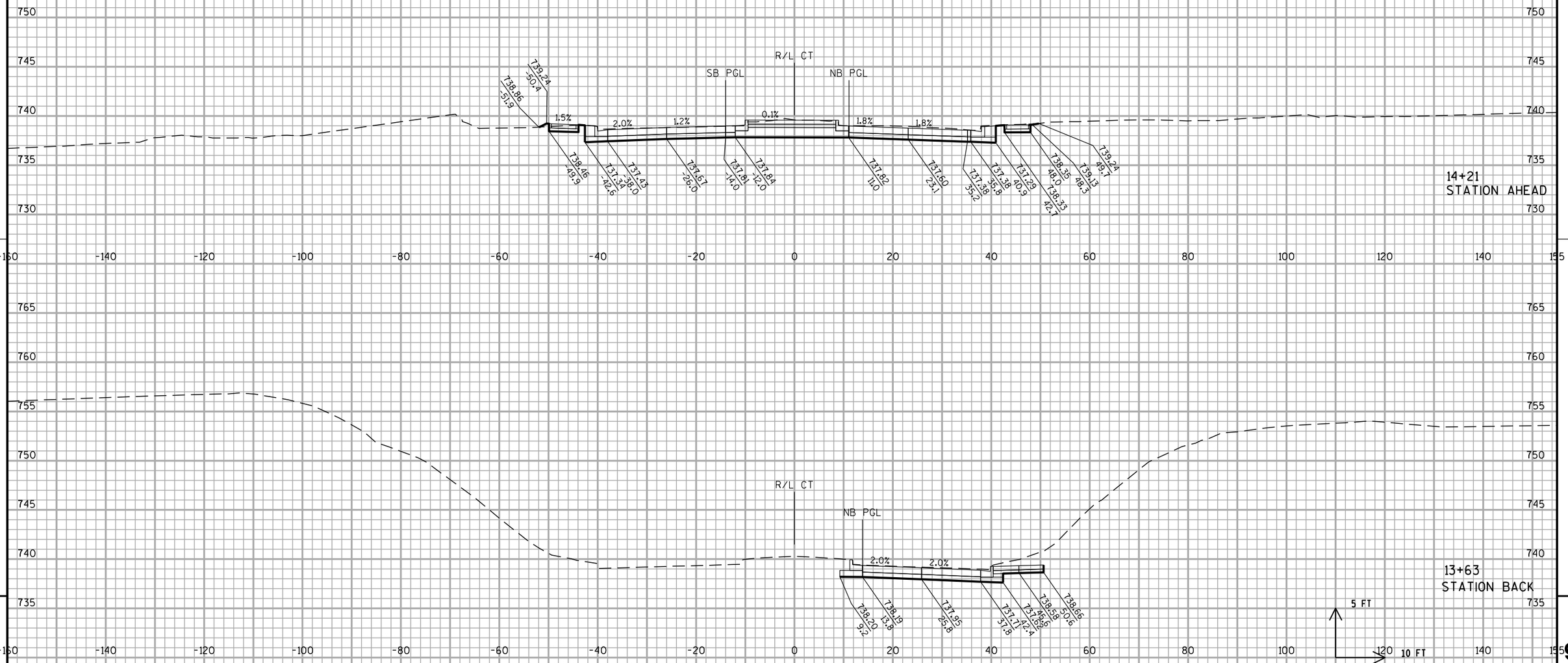
9

STA 13+50 TO 13+51

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. CURTIS ROAD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090508_xs_ct.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090508_xs_ct2 PLOT SCALE : 20:1

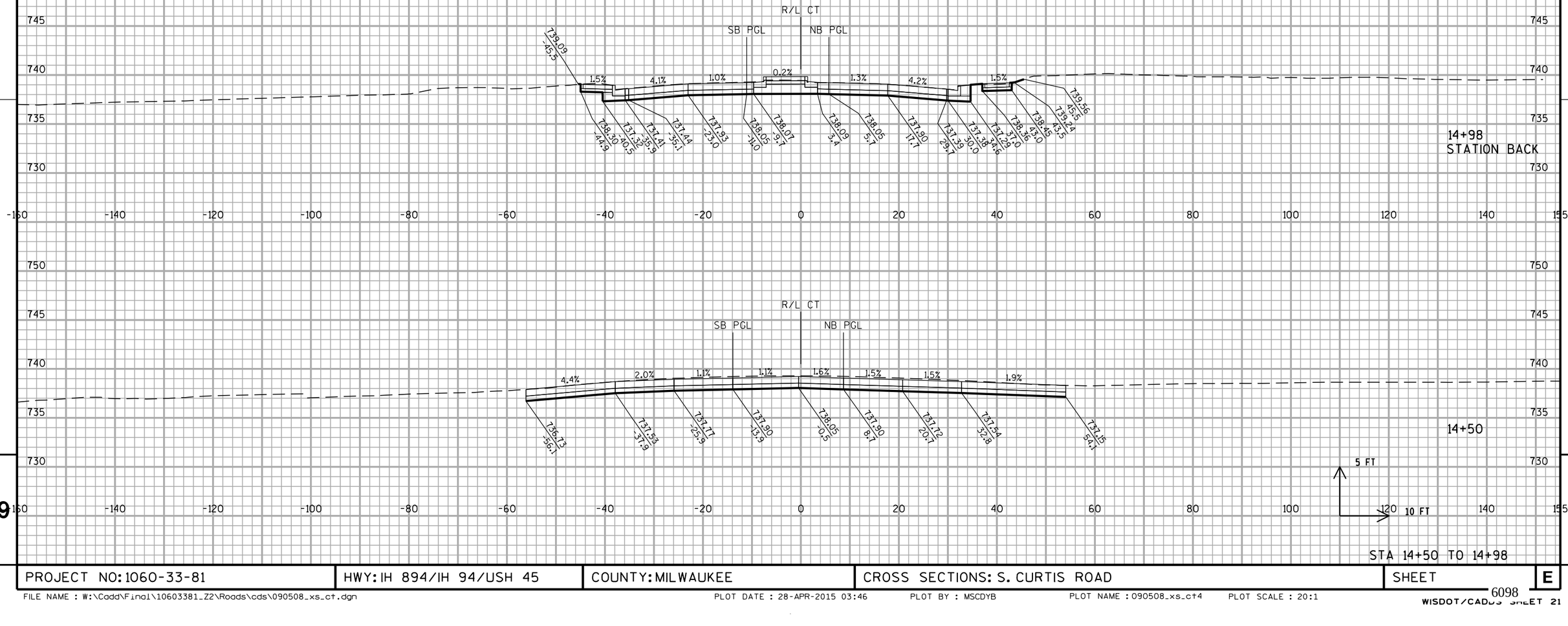
ALL WORK STAGE 7



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. CURTIS ROAD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090508_xs_ct.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090508_xs_ct3 PLOT SCALE : 20:1

ALL WORK STAGE 7



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: S. CURTIS ROAD	SHEET	E

ALL WORK STAGE 2

755
750
745
740
735
730

M/L
735.08
-19.5
R/L FV
1.0%
733.26
-12.0
733.38
0.0
733.16
-16.6

17+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

M/L
735.35
-19.5
R/L FV
1.0%
733.53
-12.0
733.65
0.0
733.43
-16.6

17+26
STATION AHEAD

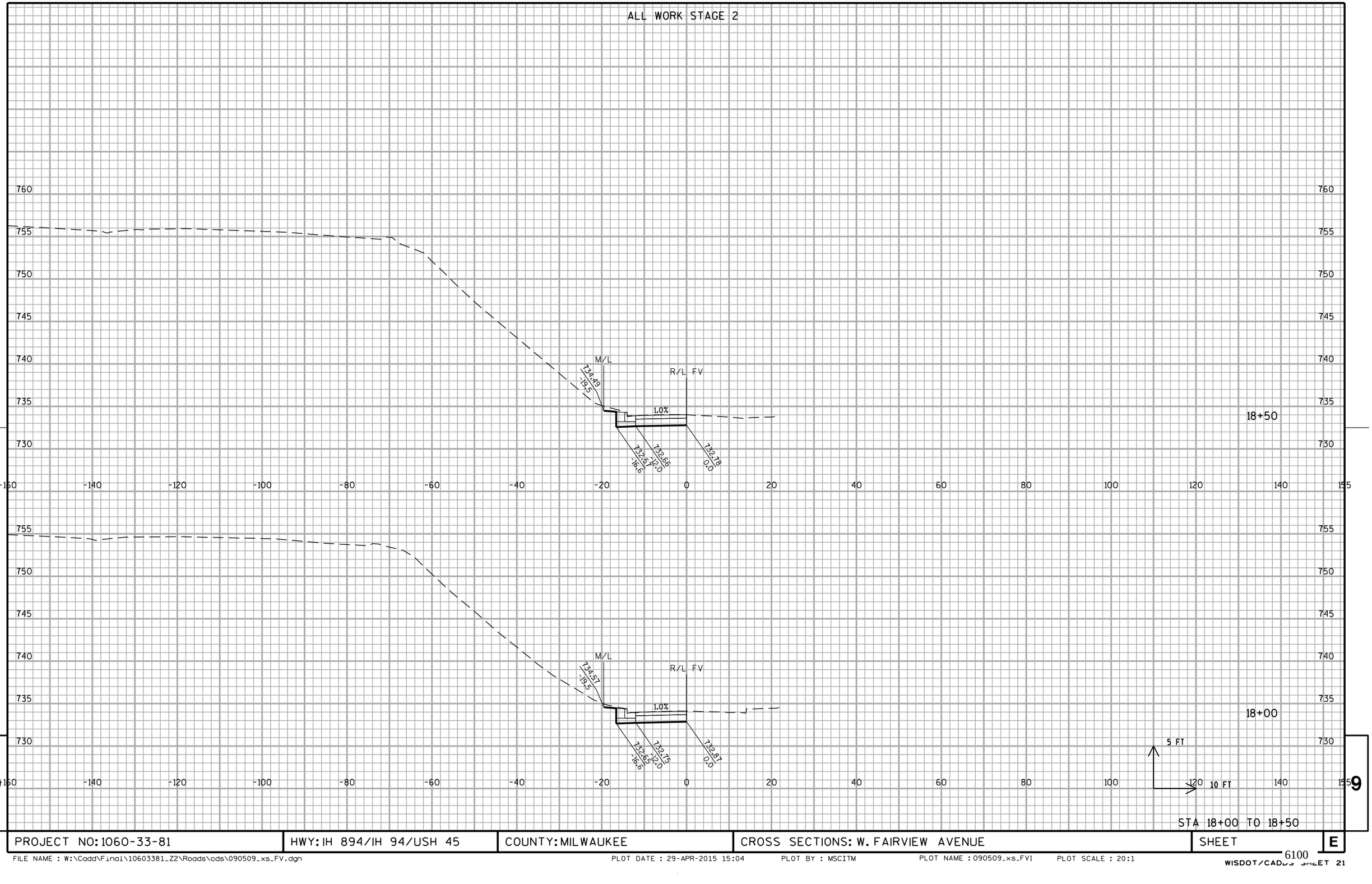
5 FT
10 FT

STA 17+26 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:03 PLOT BY : MSCITM PLOT NAME : 090509_xs_FV PLOT SCALE : 20:1

ALL WORK STAGE 2

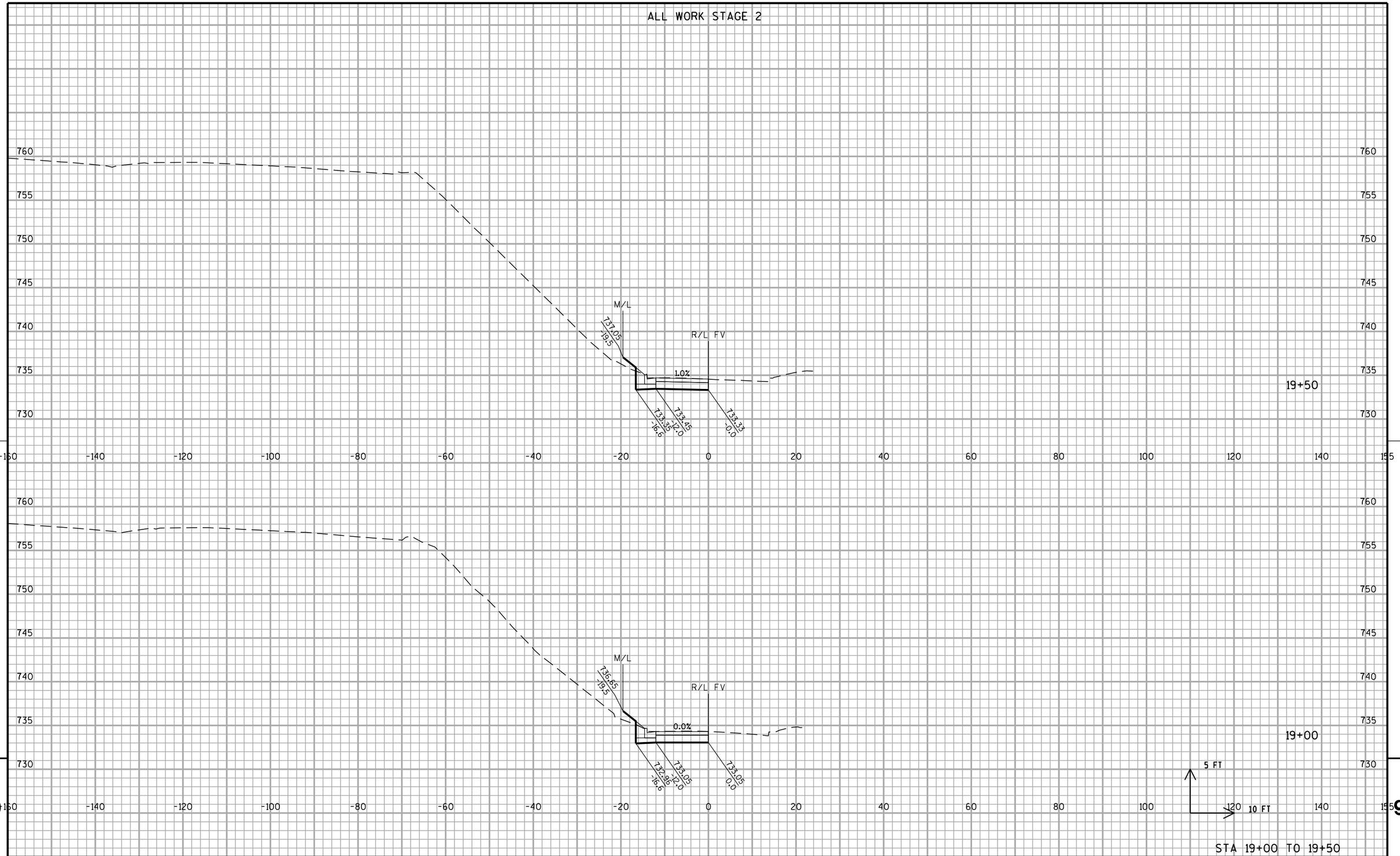


STA 18+00 TO 18+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:04 PLOT BY : MSCITM PLOT NAME : 090509_xs_FVI PLOT SCALE : 20:1

ALL WORK STAGE 2

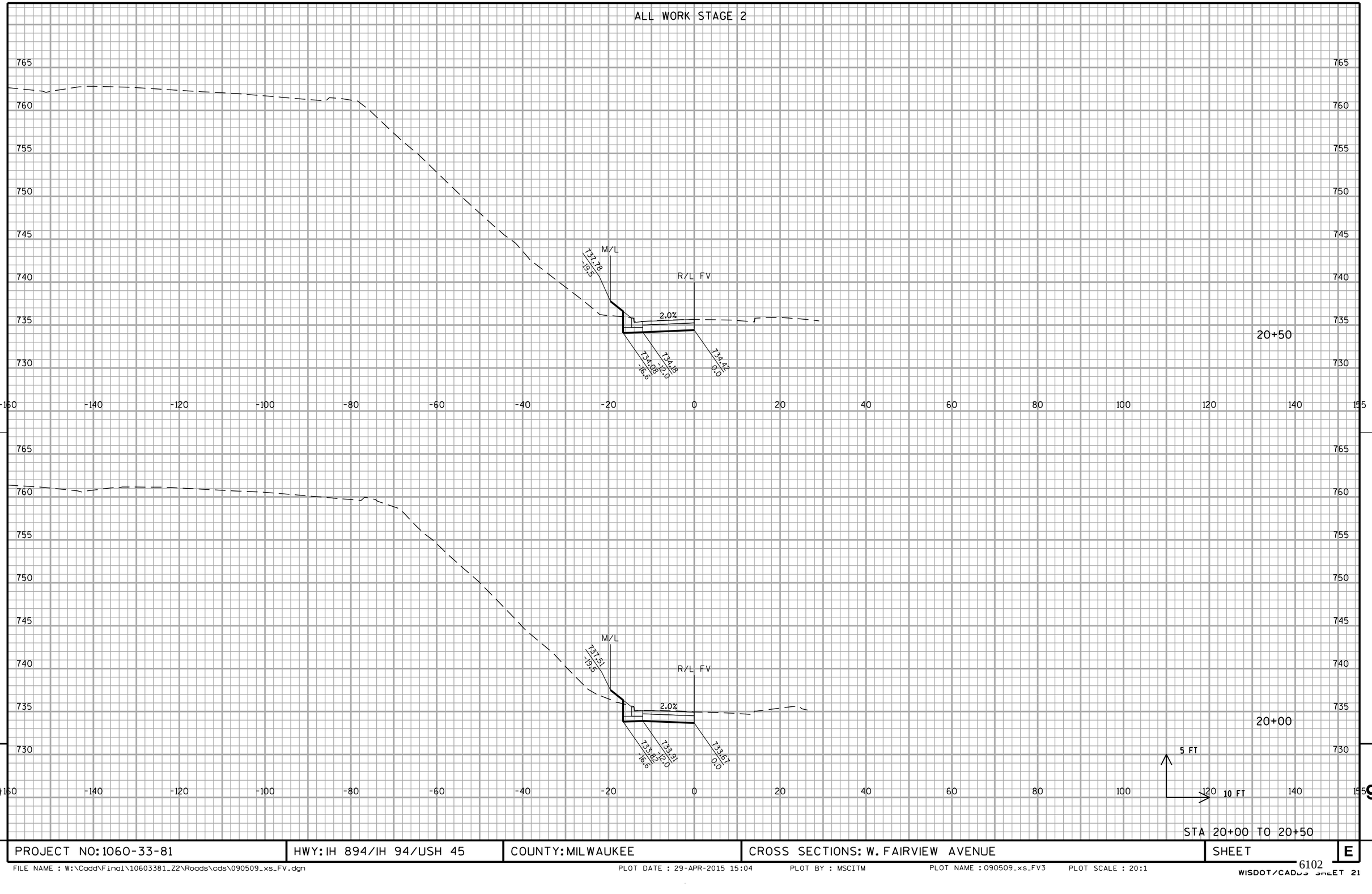


STA 19+00 TO 19+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:04 PLOT BY : MSCITM PLOT NAME : 090509_xs_FV2 PLOT SCALE : 20:1

ALL WORK STAGE 2

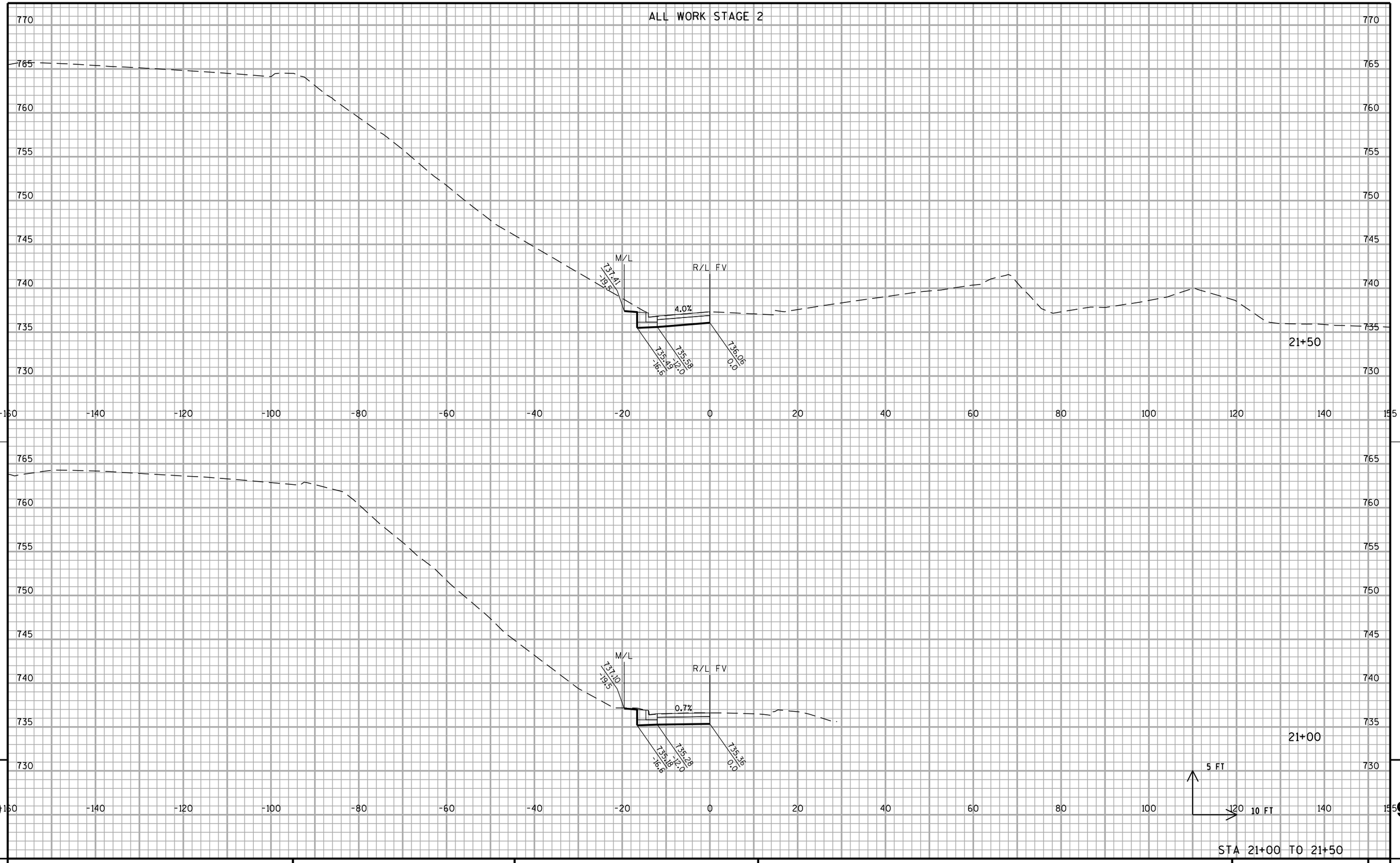


STA 20+00 TO 20+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:04 PLOT BY : MSCITM PLOT NAME : 090509_xs_FV3 PLOT SCALE : 20:1

ALL WORK STAGE 2



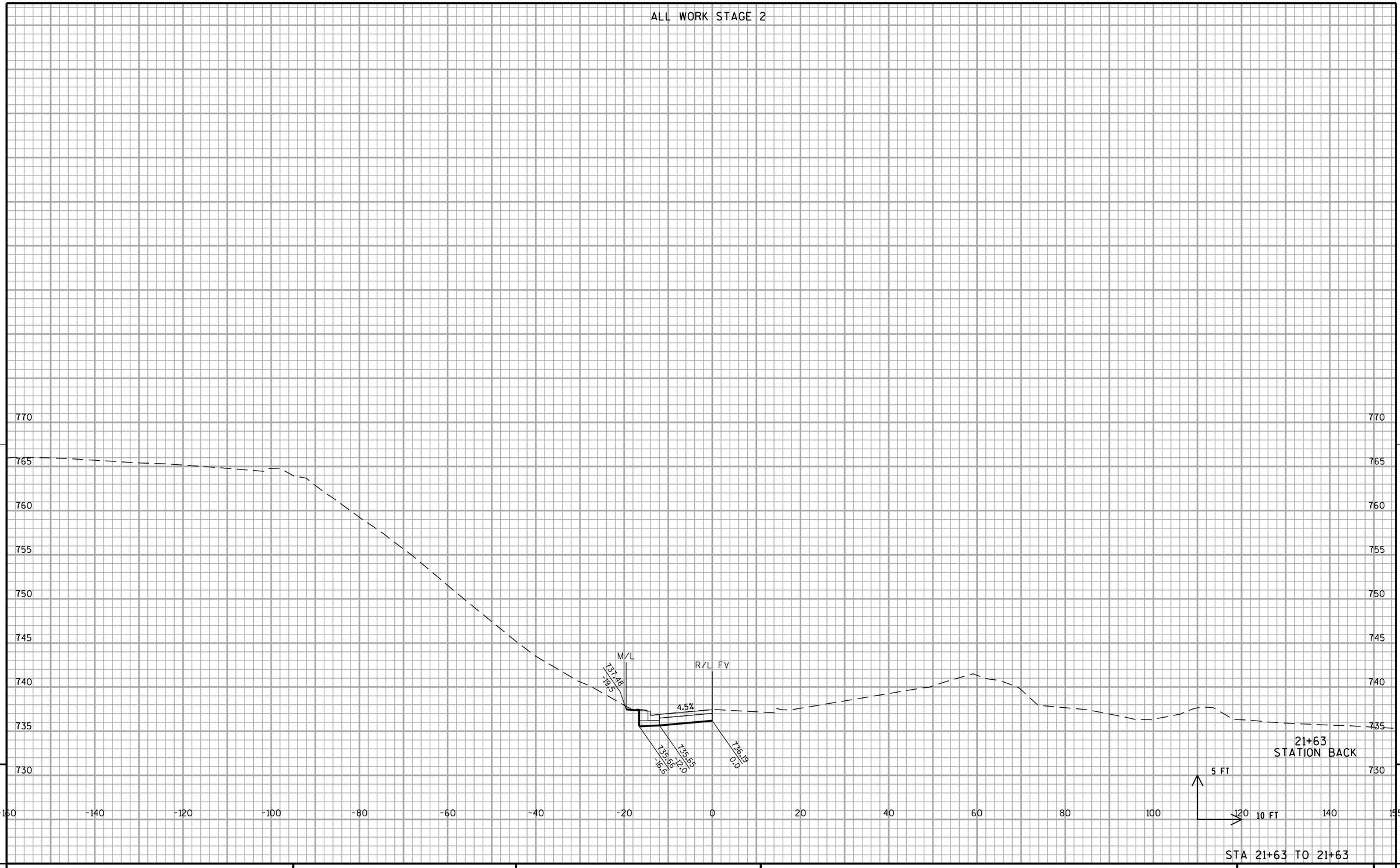
STA 21+00 TO 21+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:04 PLOT BY : MSCITM PLOT NAME : 090509_xs_FV4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



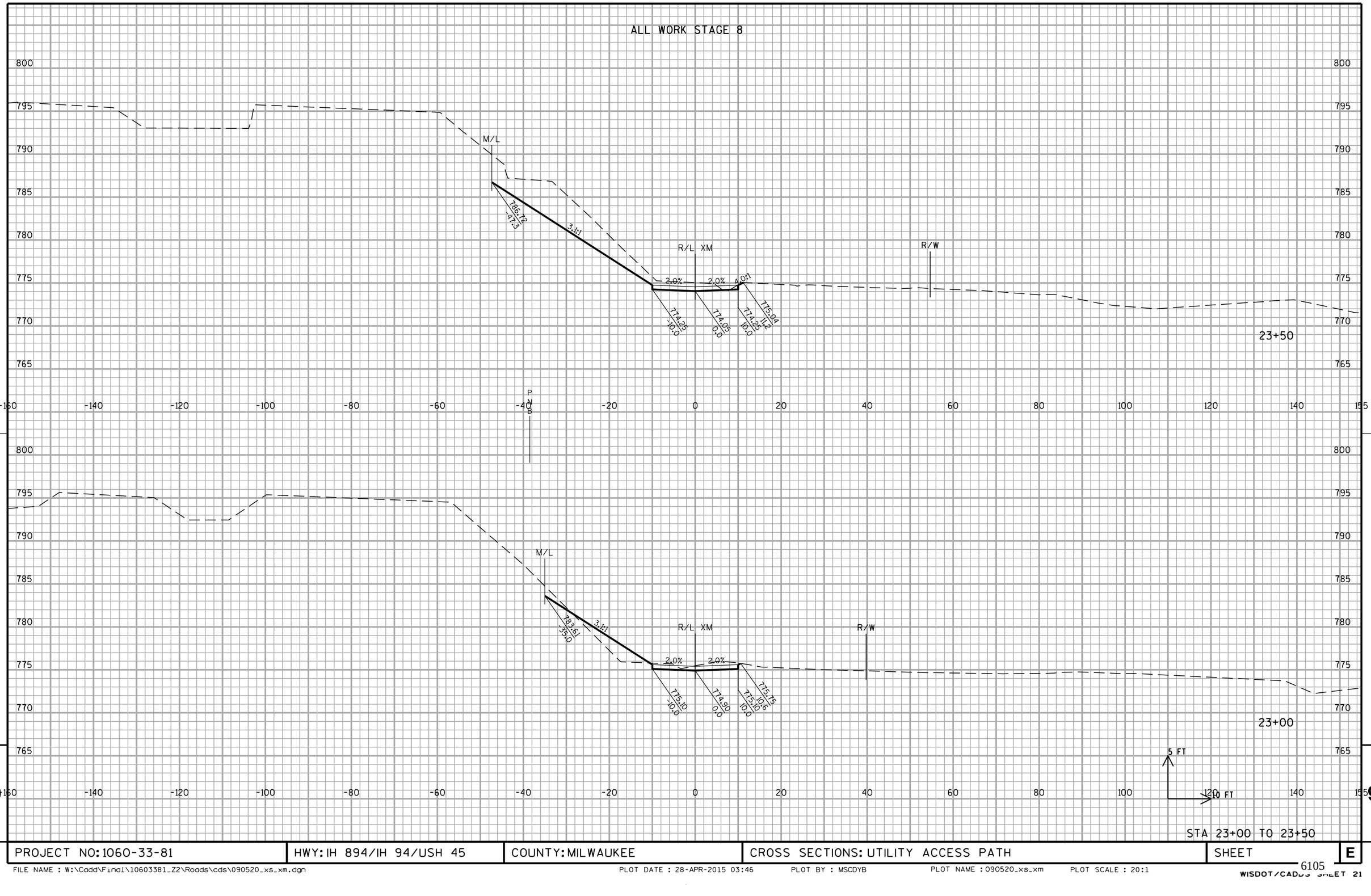
STA 21+63 TO 21+63

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: W. FAIRVIEW AVENUE	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090509_xs_FV.dgn PLOT DATE : 29-APR-2015 15:04 PLOT BY : MSCITM PLOT NAME : 090509_xs_FV5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

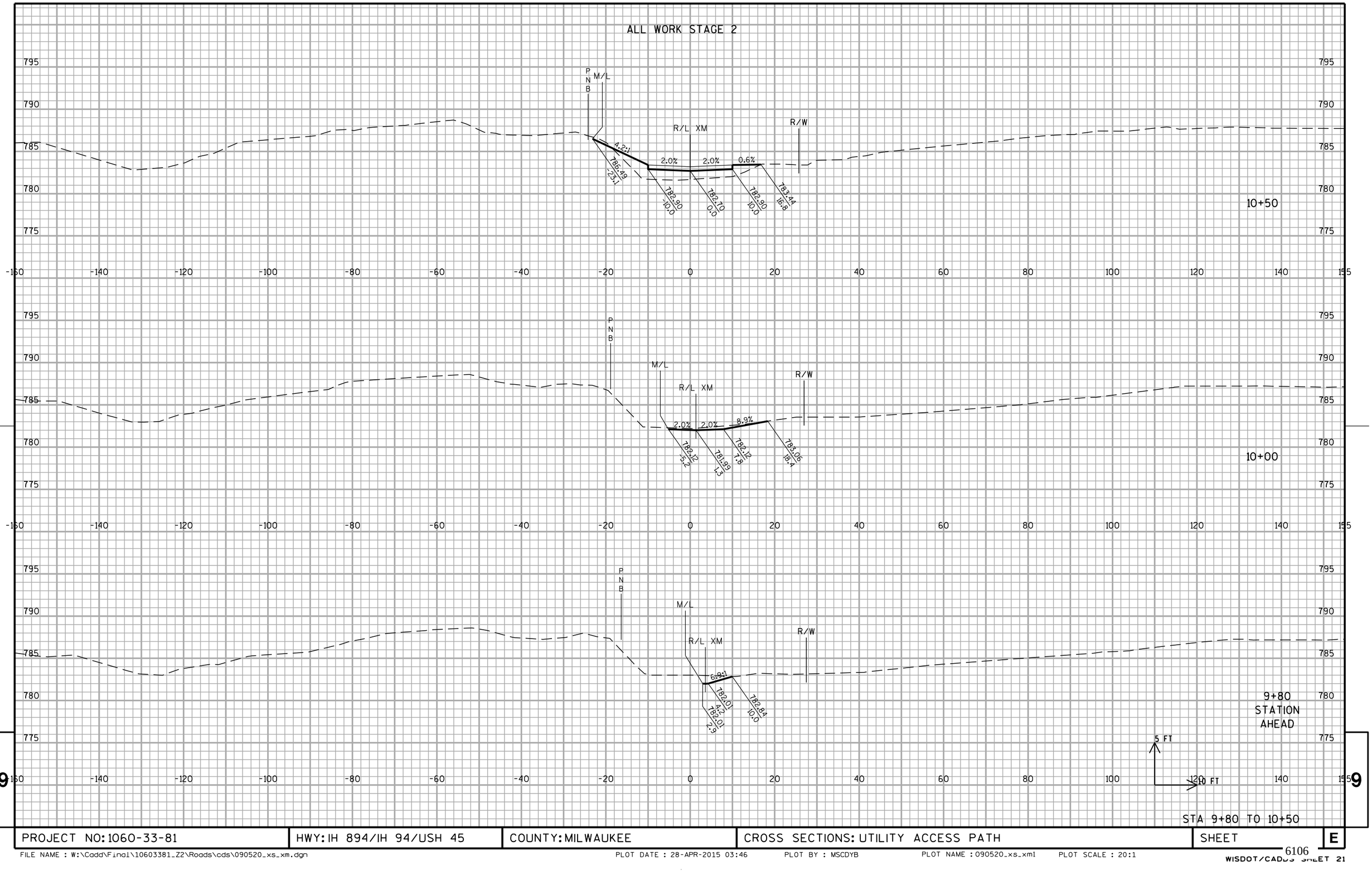
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

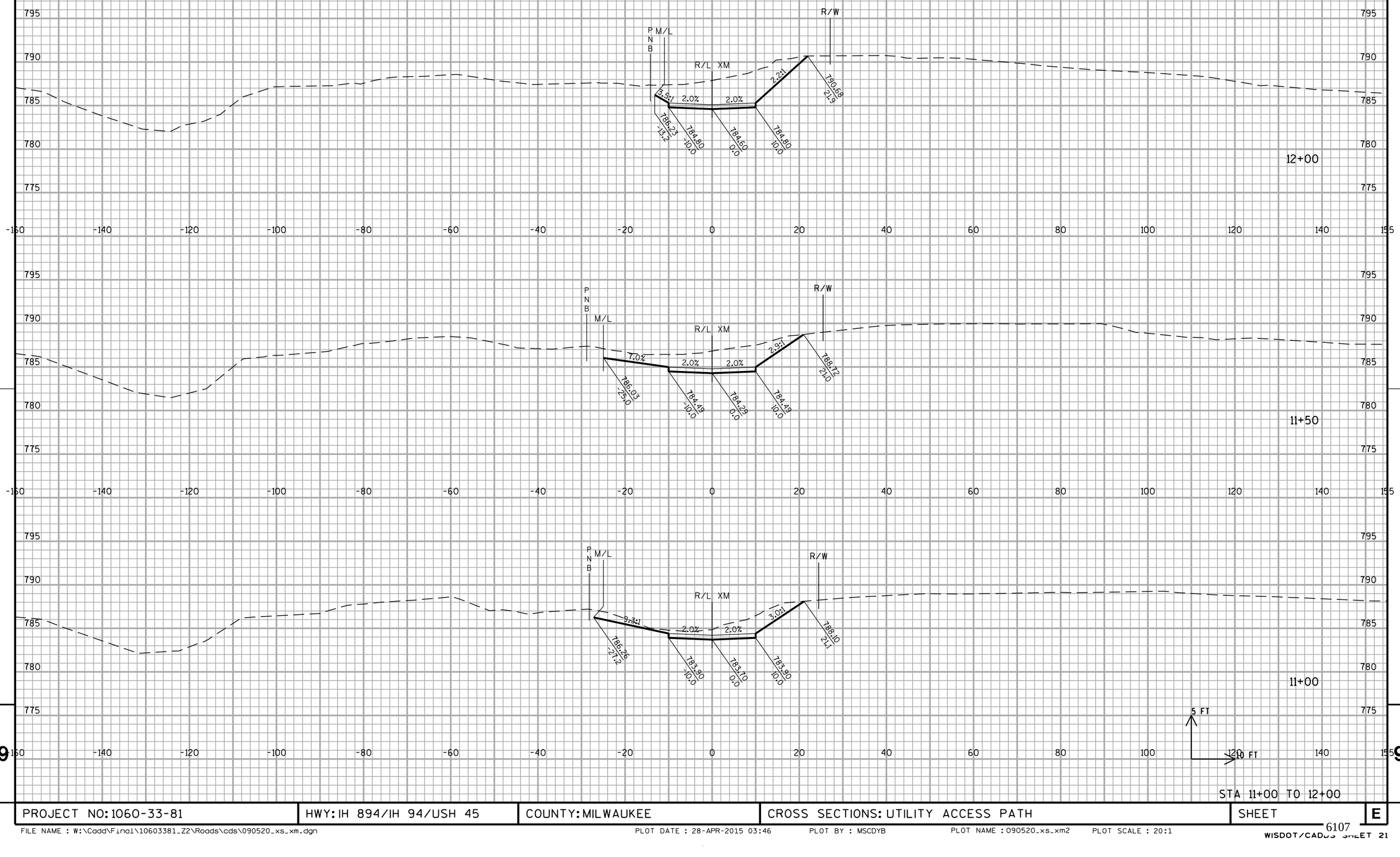
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm PLOT SCALE : 20:1

ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

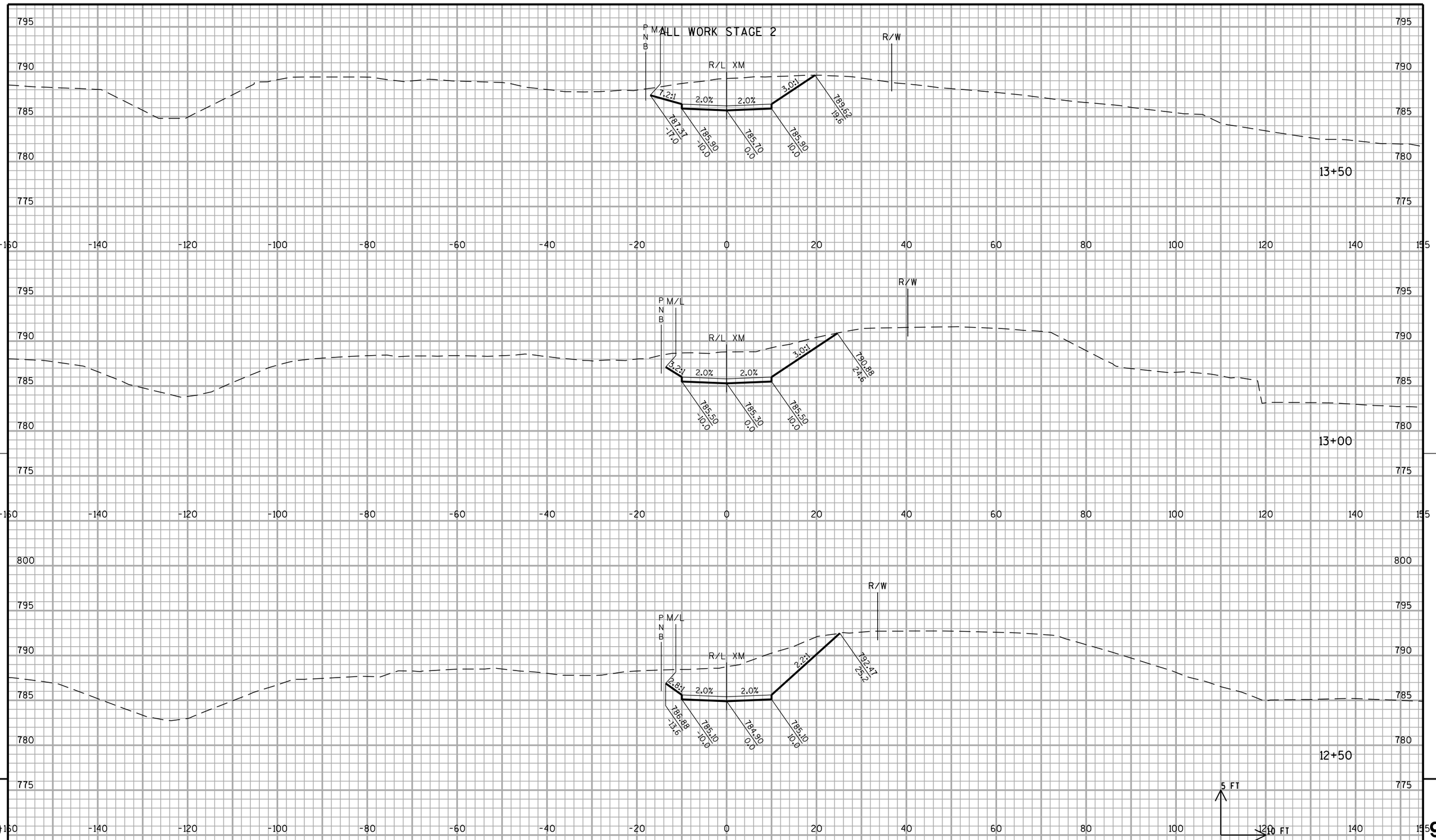
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm2 PLOT SCALE : 20:1

ALL WORK STAGE 2



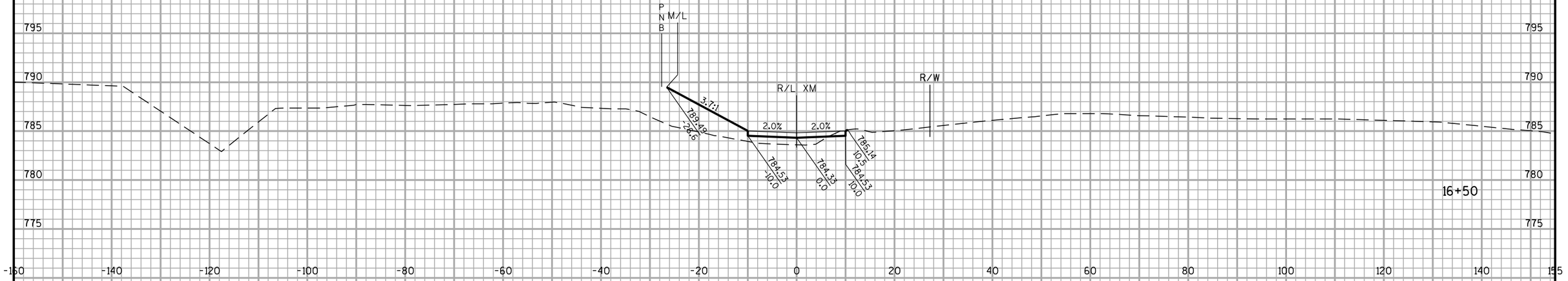
STA 12+50 TO 13+50

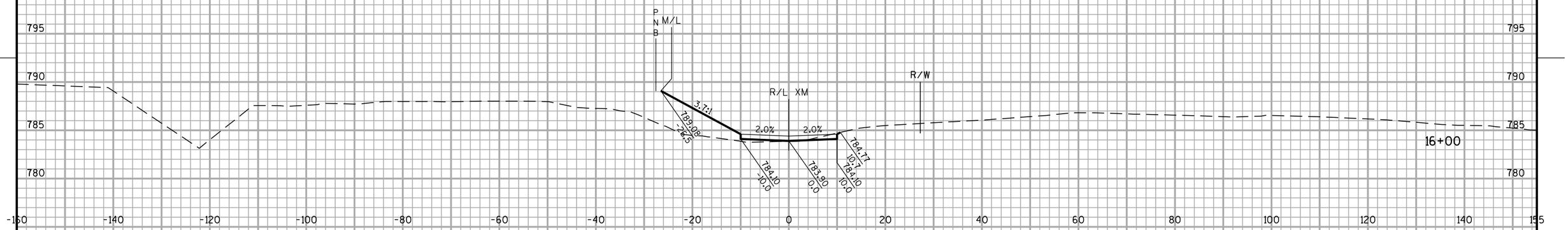
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

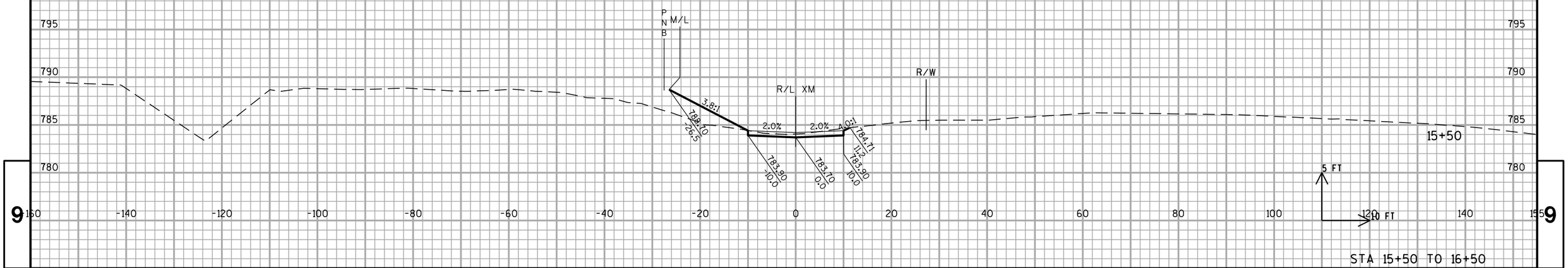
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2





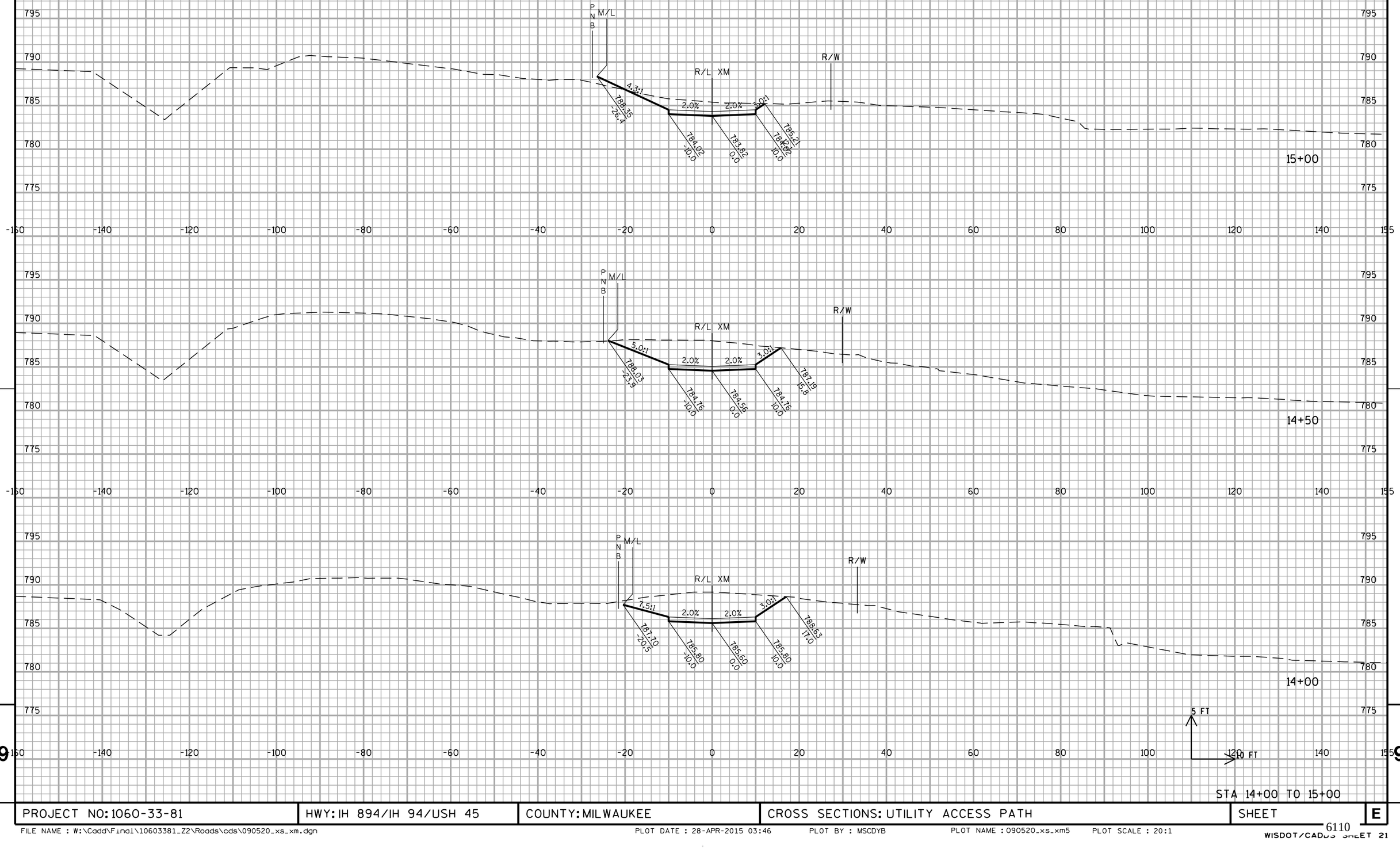


STA 15+50 TO 16+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm4 PLOT SCALE : 20:1

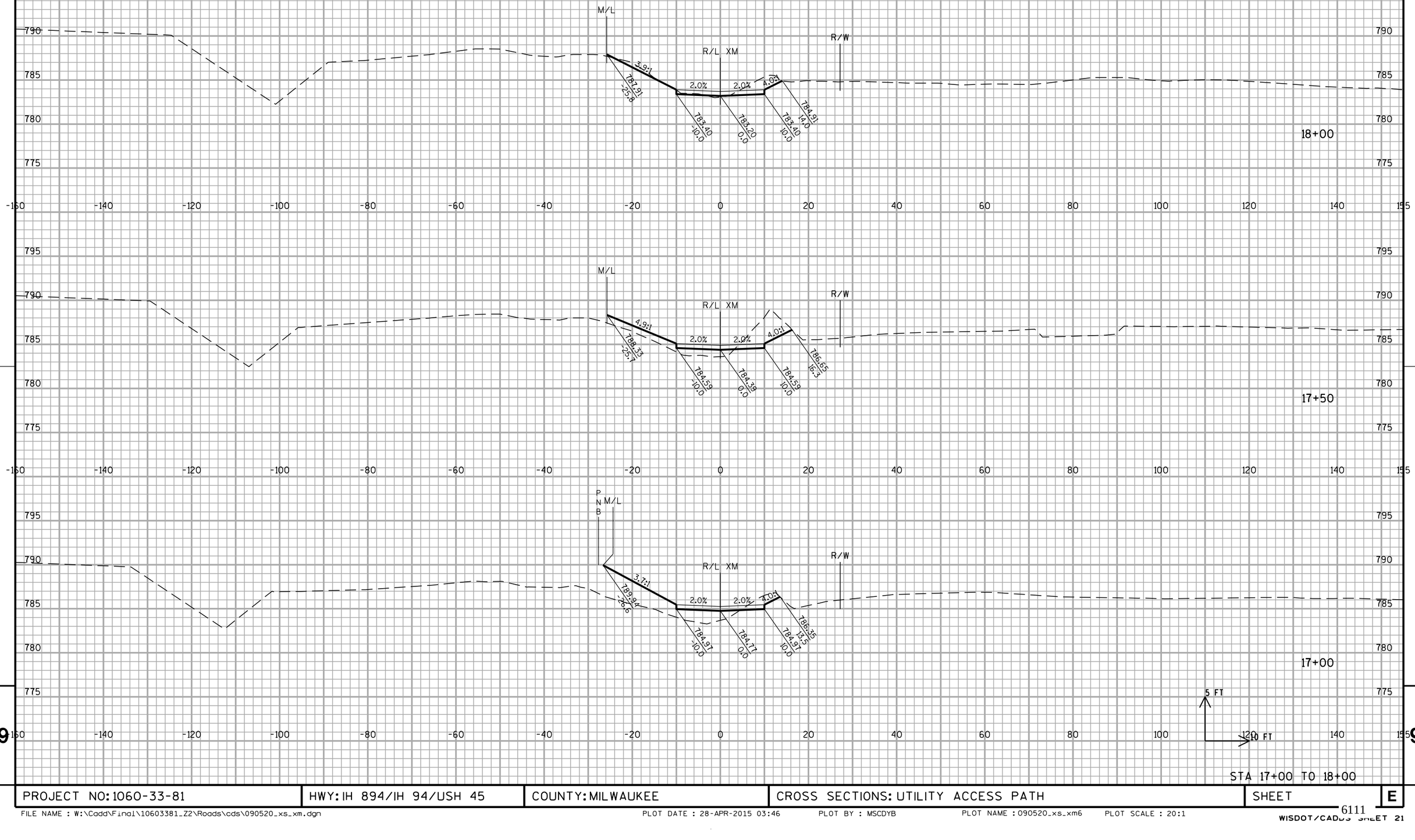
ALL WORK STAGE 2



STA 14+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

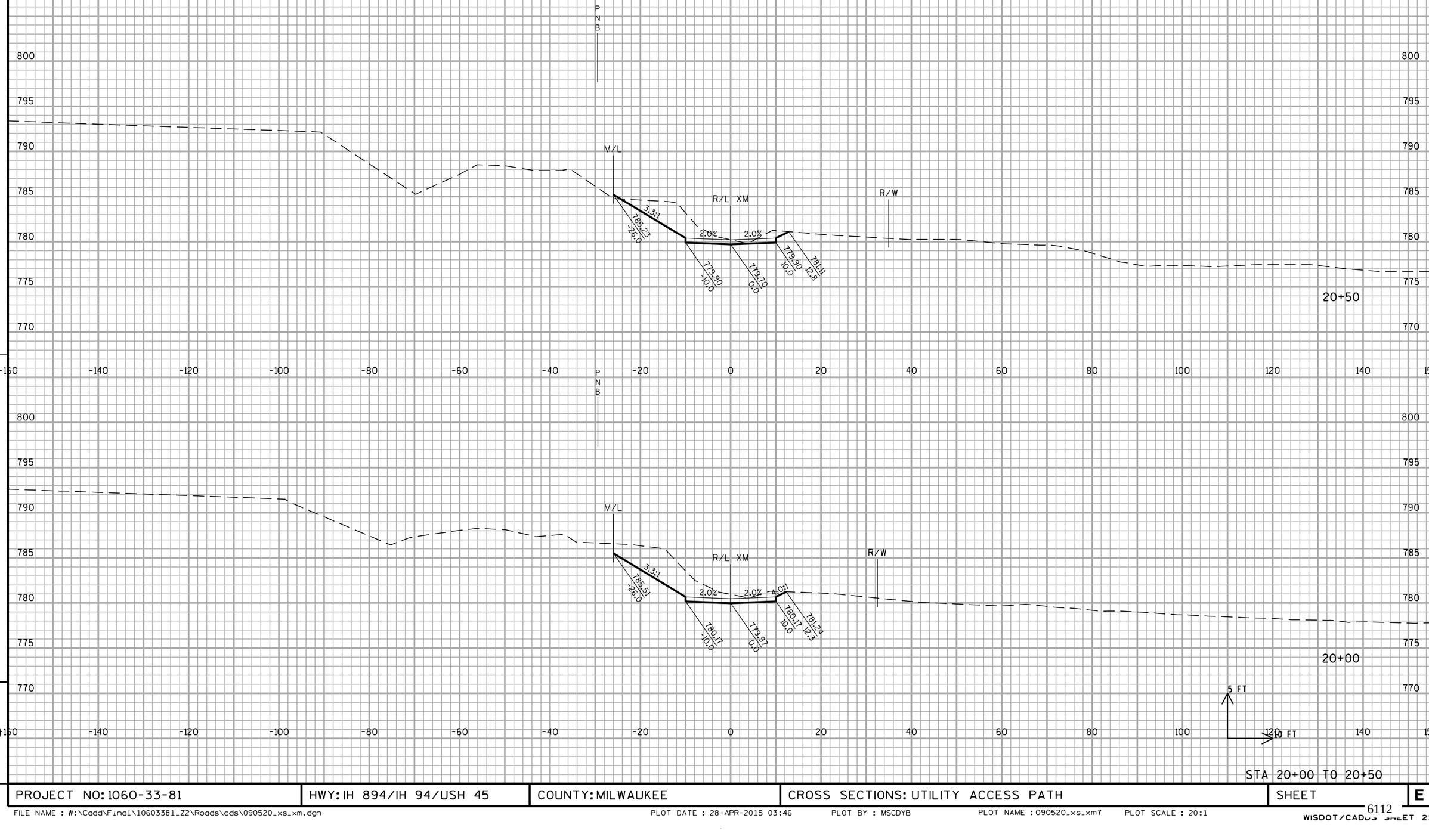
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm6 PLOT SCALE : 20:1

ALL WORK STAGE 8



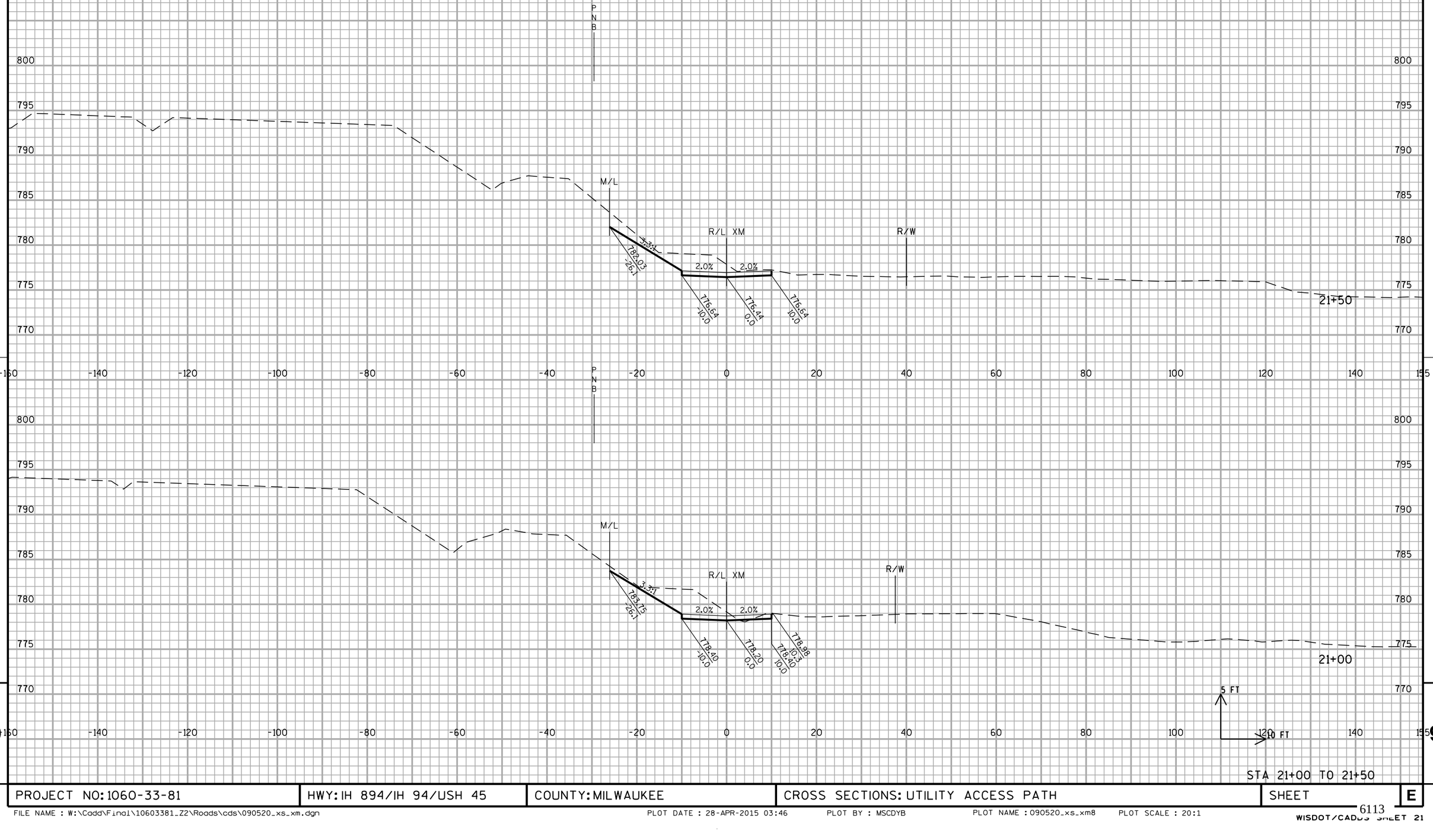
STA 20+00 TO 20+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



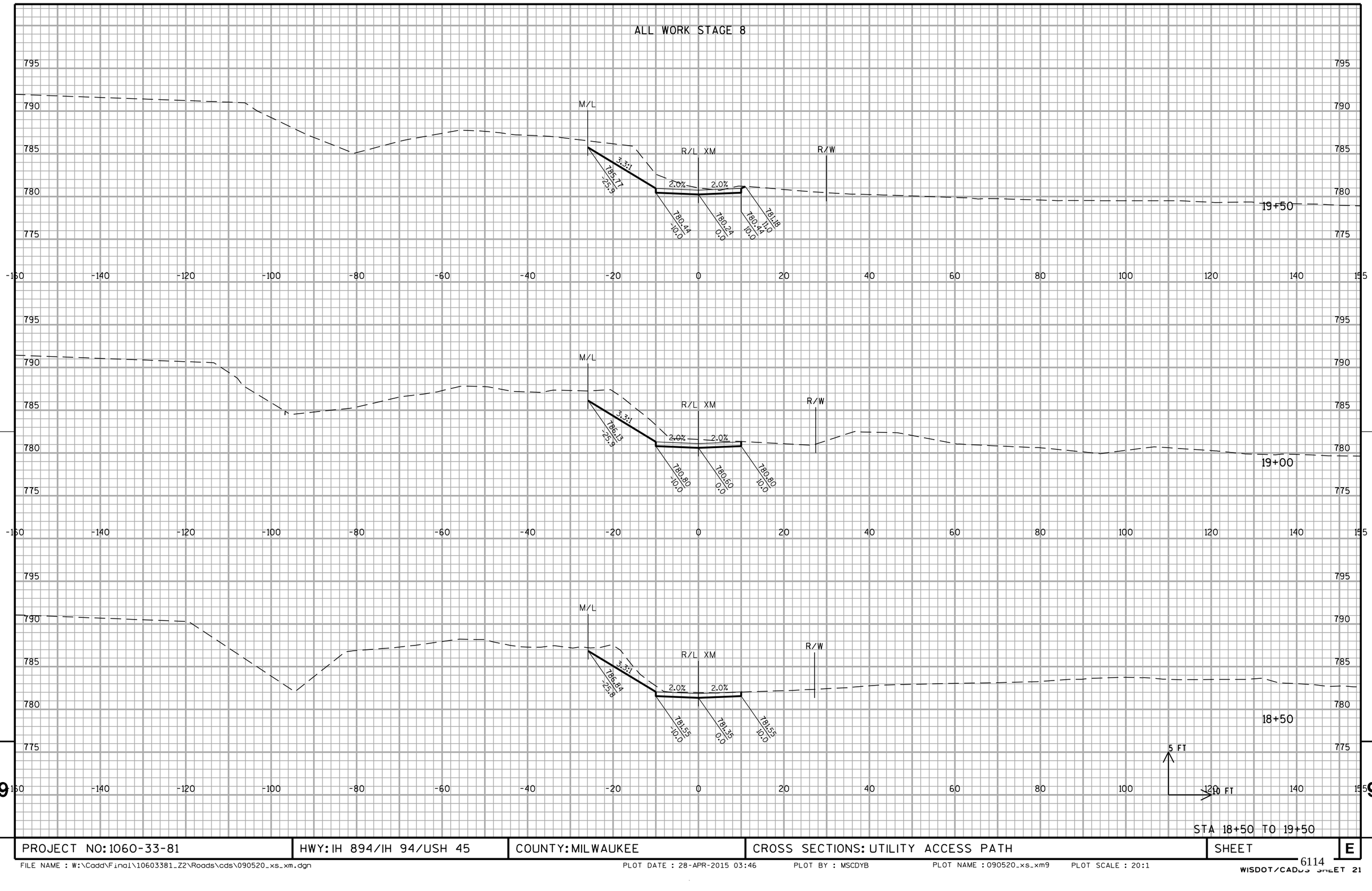
STA 21+00 TO 21+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm8 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

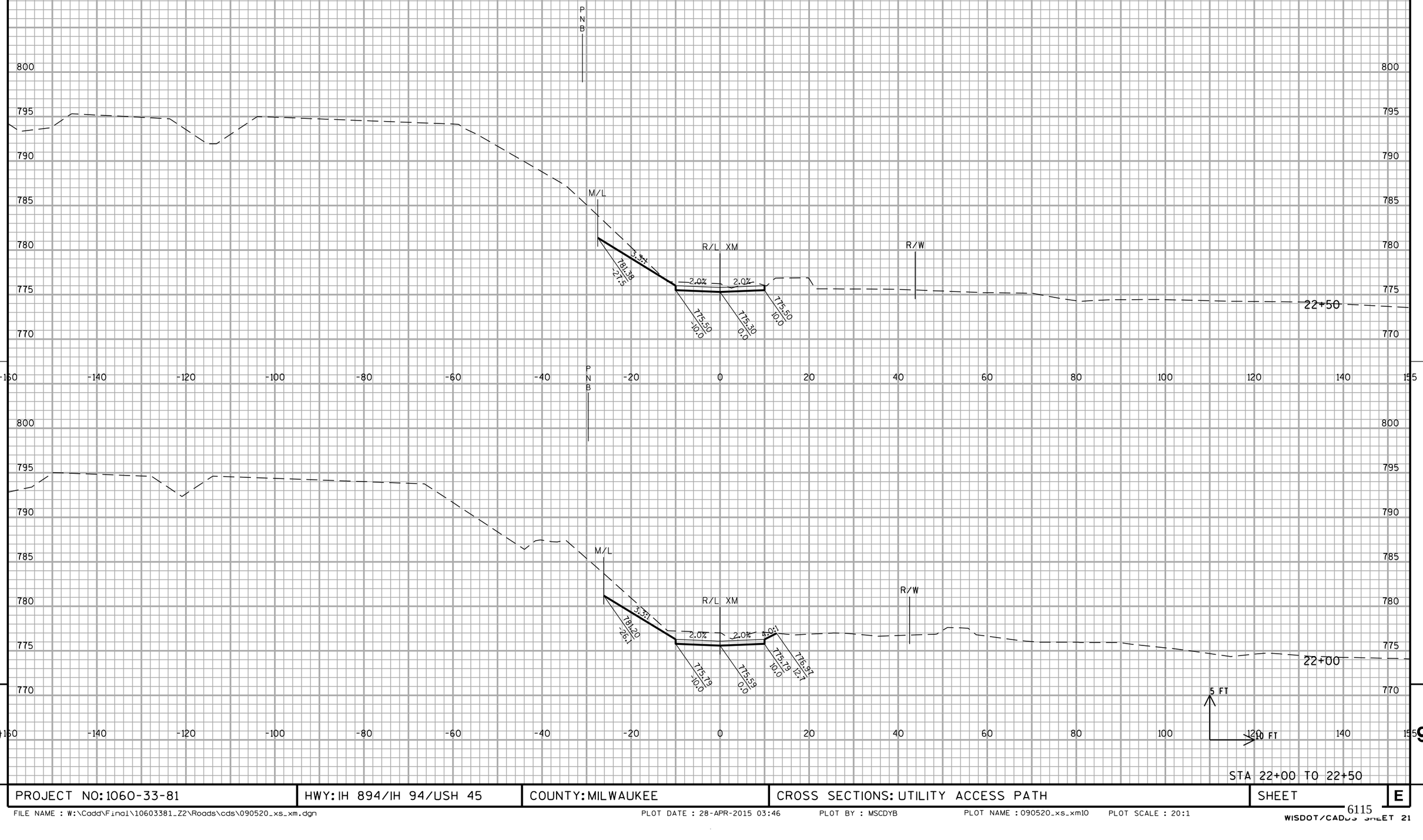
ALL WORK STAGE 8



STA 18+50 TO 19+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

ALL WORK STAGE 8

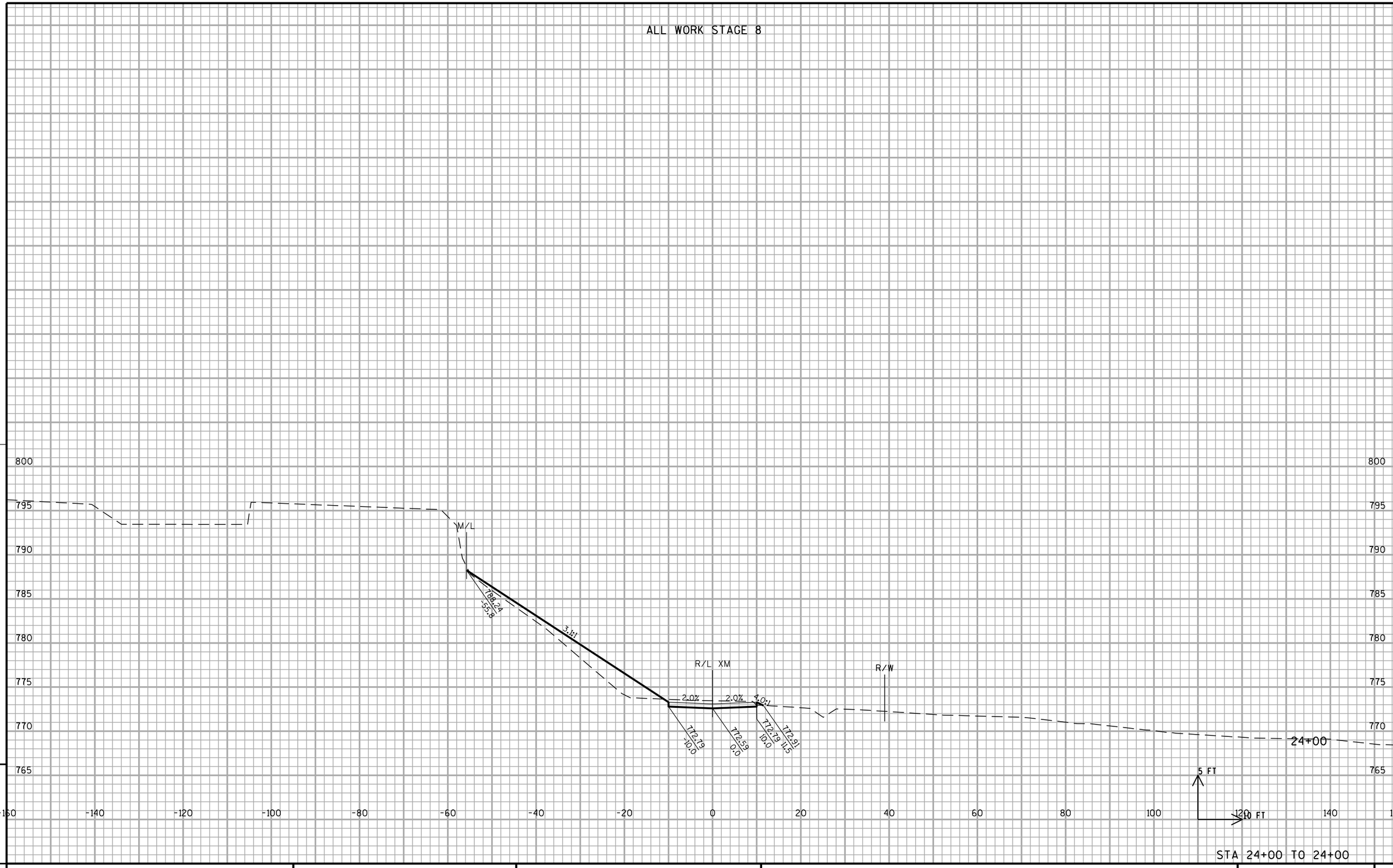


STA 22+00 TO 22+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm10 PLOT SCALE : 20:1

ALL WORK STAGE 8



STA 24+00 TO 24+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

ALL WORK STAGE 8

805
800
795
790
785
780
775
770
765
760

M/L

4.0%

786.92
-57.2

3.1%

R/L XM

R/W

771.67
-10.0

24+50

5 FT
10 FT

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

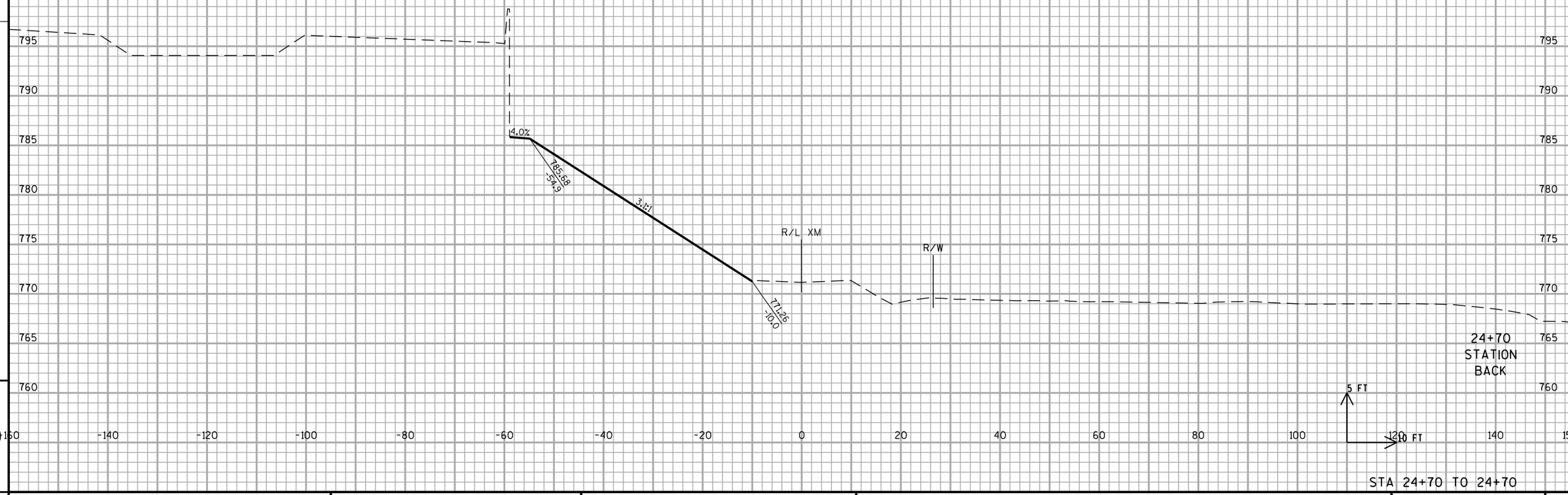
STA 24+50 TO 24+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm12 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

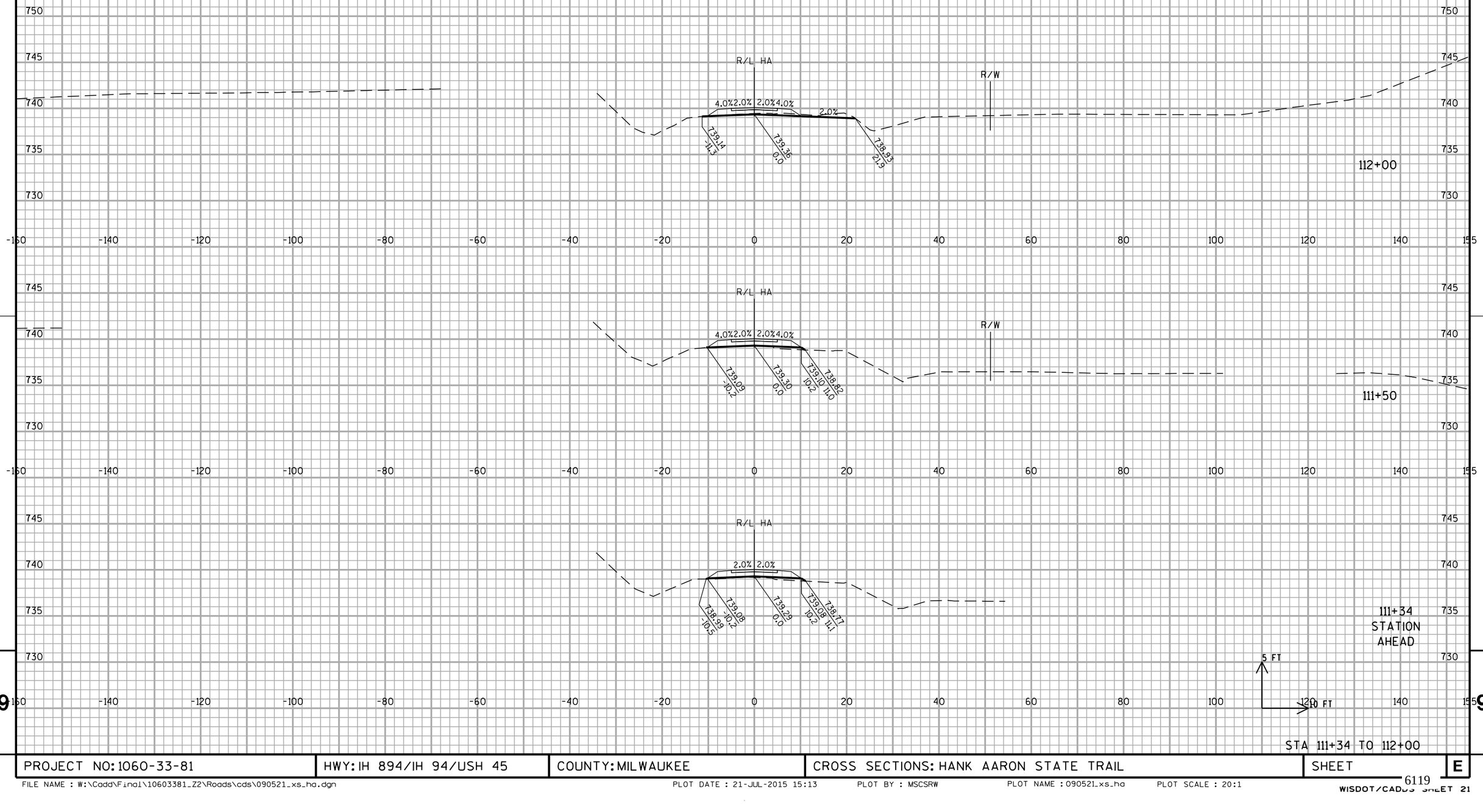


STA 24+70 TO 24+70

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: UTILITY ACCESS PATH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090520_xs_xm.dgn PLOT DATE : 28-APR-2015 03:46 PLOT BY : MSCDYB PLOT NAME : 090520_xs_xm13 PLOT SCALE : 20:1

ALL WORK STAGE 8



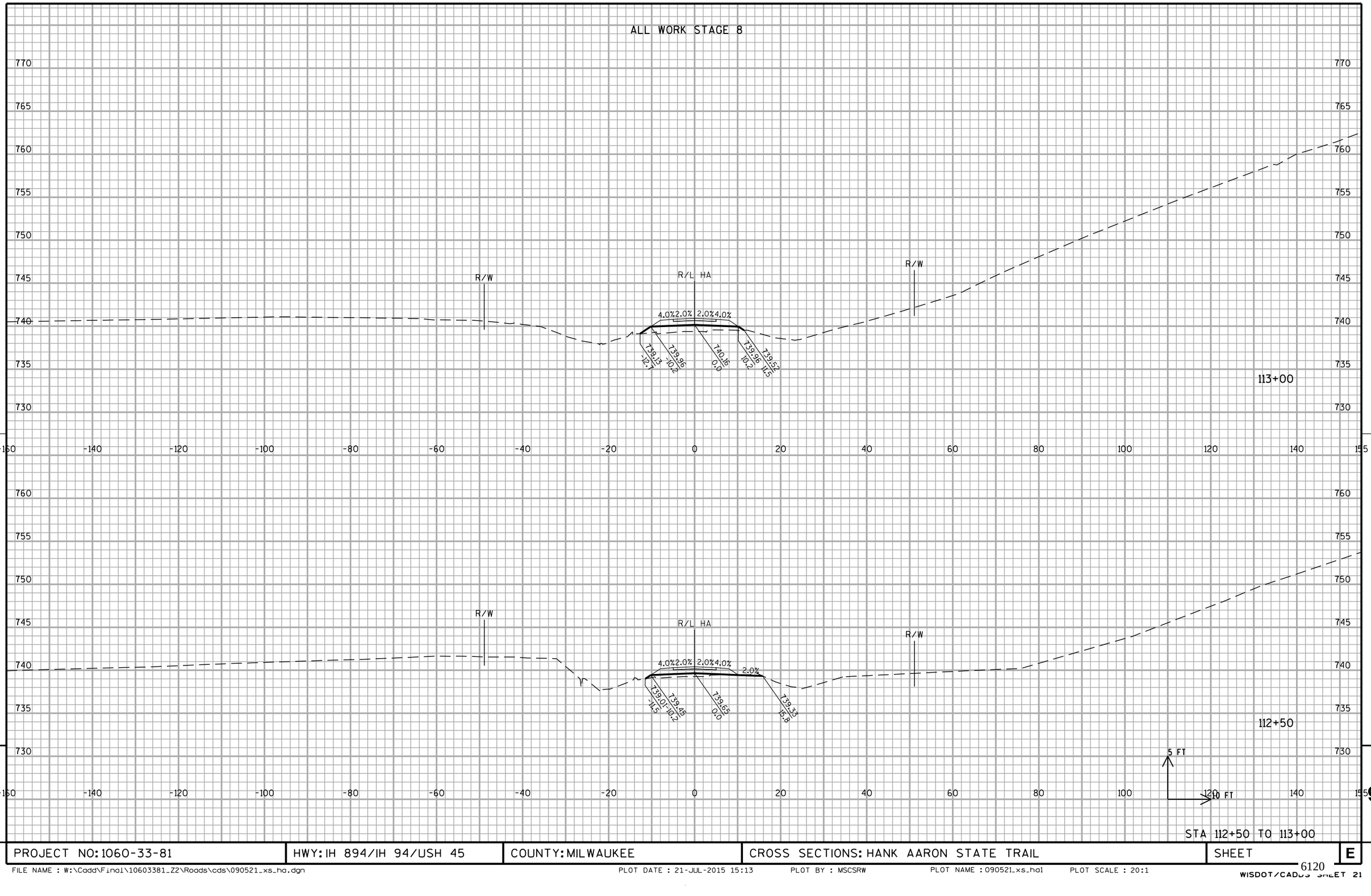
STA 111+34 TO 112+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

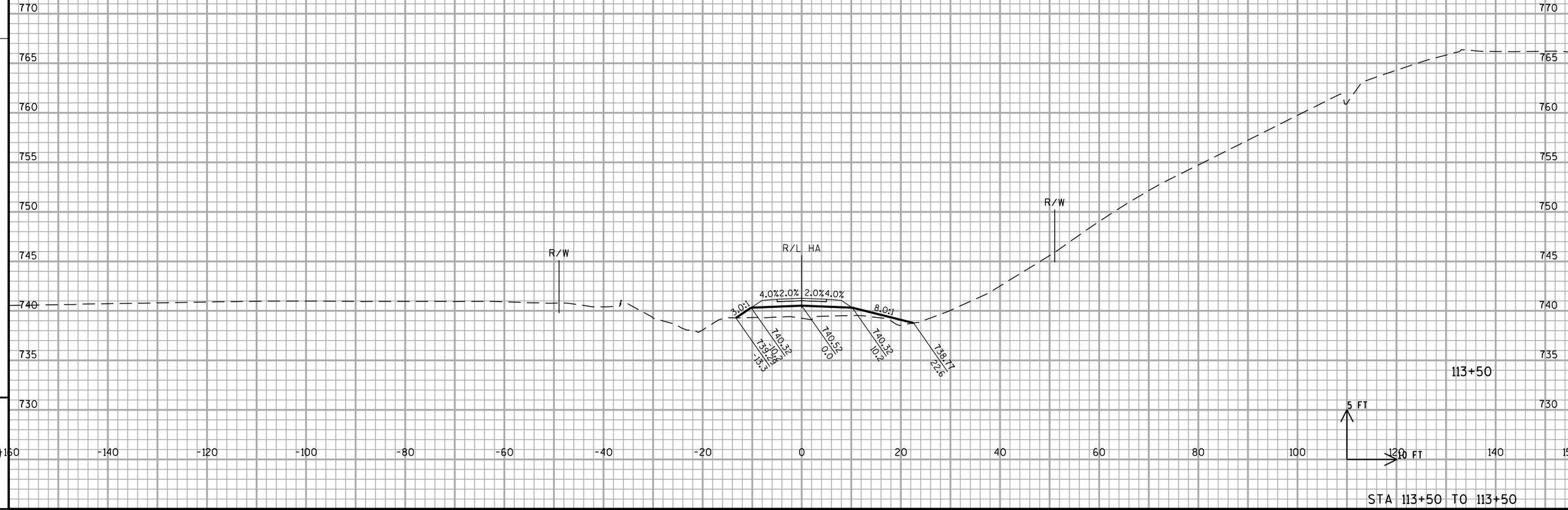


STA 112+50 TO 113+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha1 PLOT SCALE : 20:1

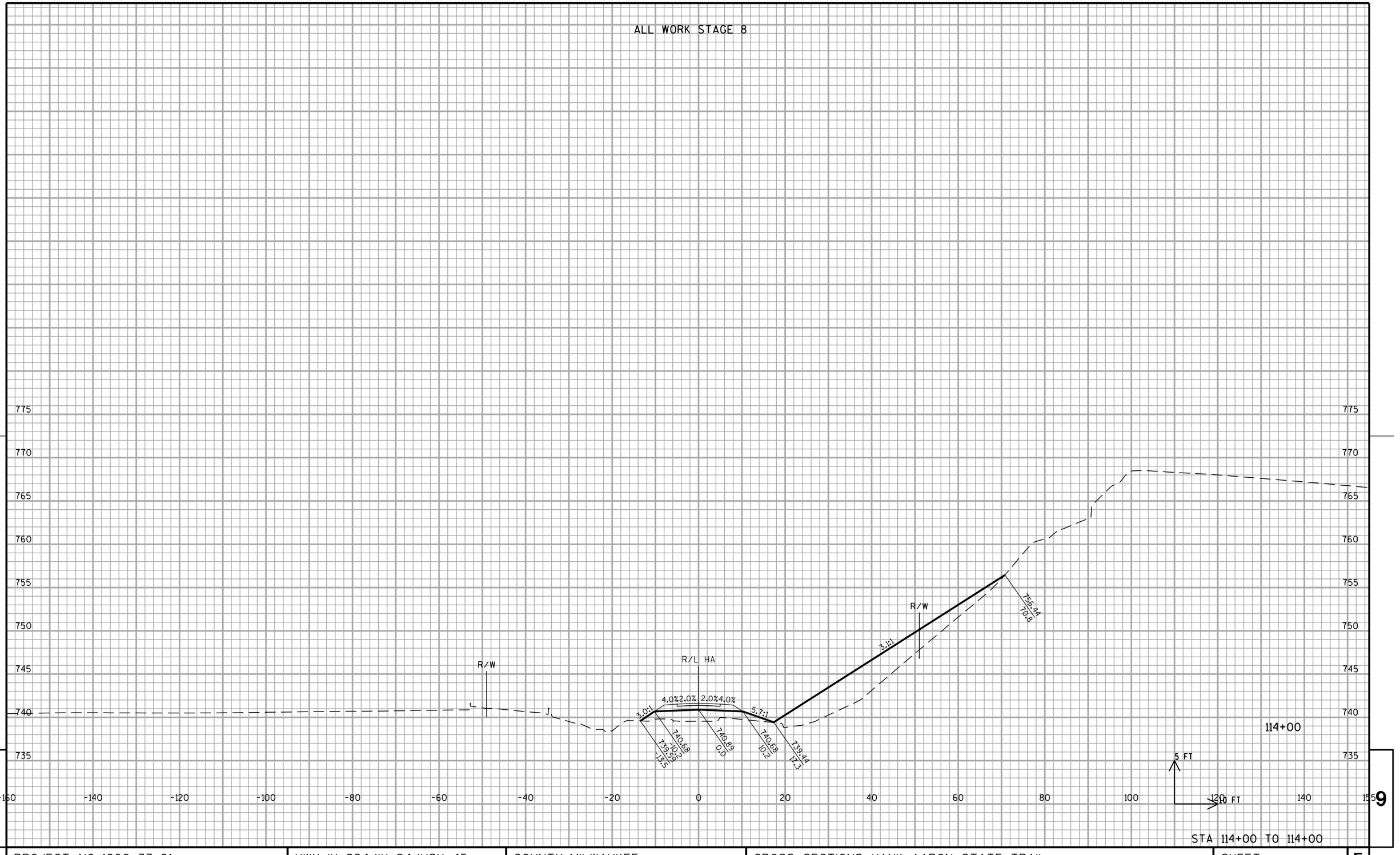
ALL WORK STAGE 8



STA 113+50 TO 113+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8

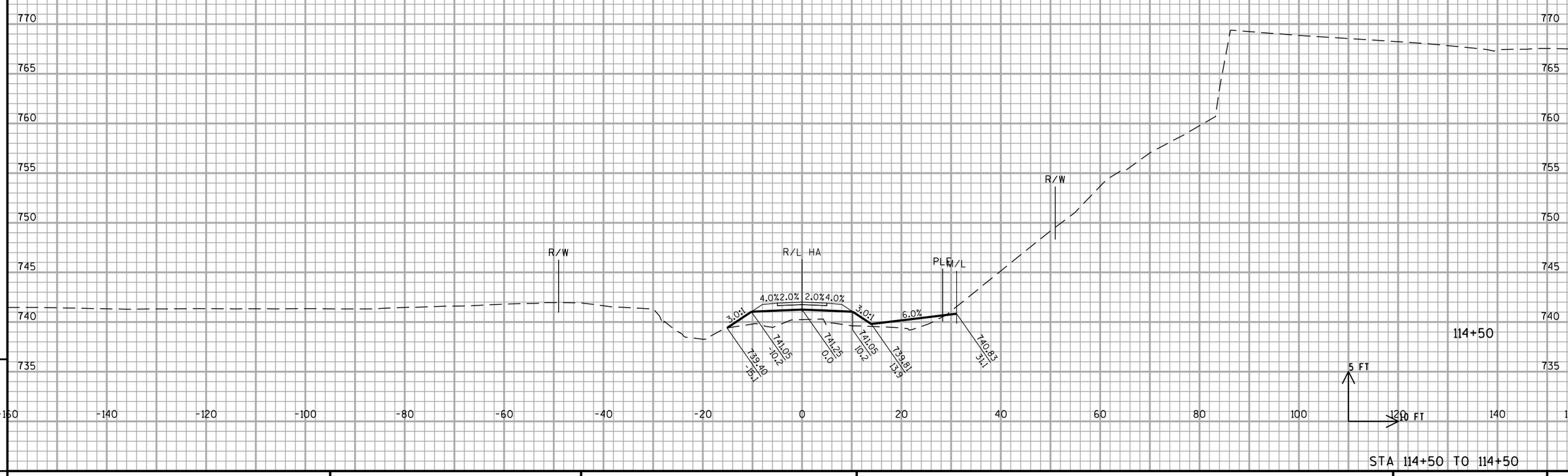


STA 114+00 TO 114+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha3 PLOT SCALE : 20:1

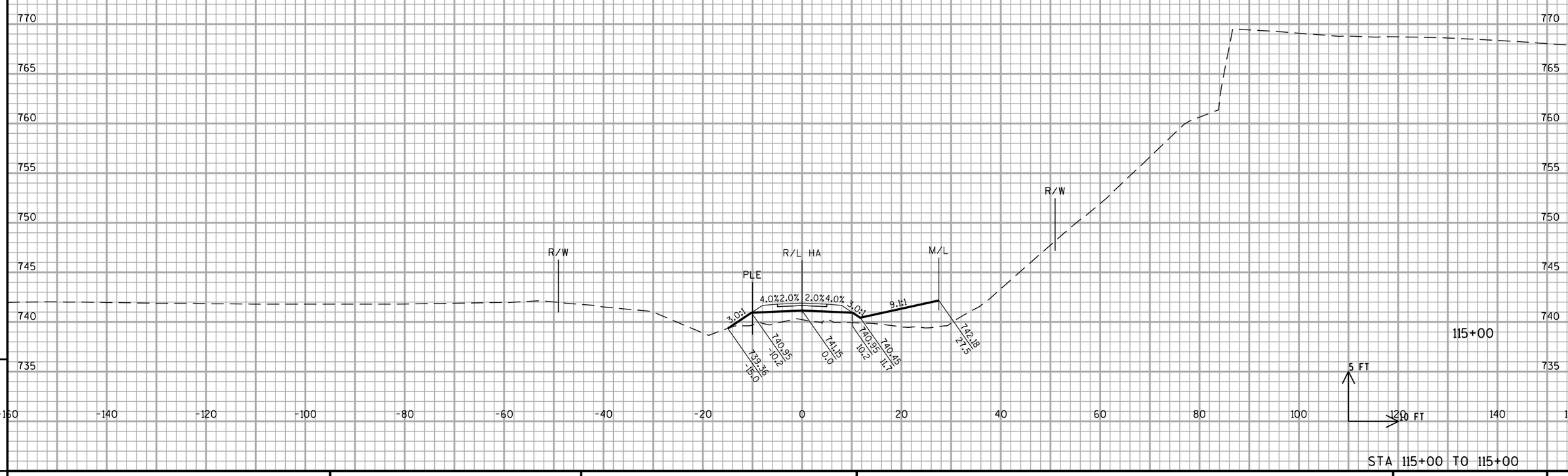
ALL WORK STAGE 8



STA 114+50 TO 114+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



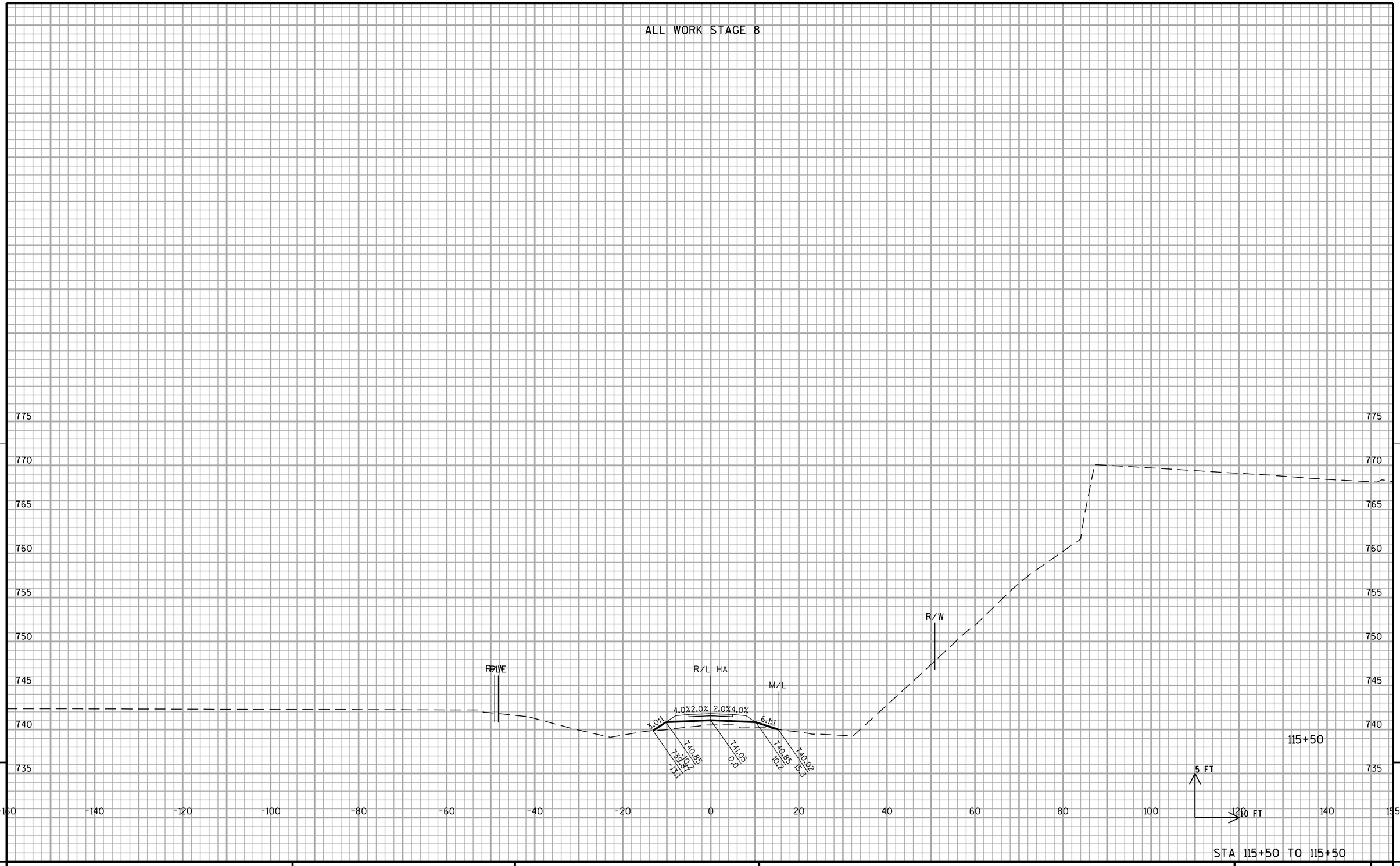
STA 115+00 TO 115+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

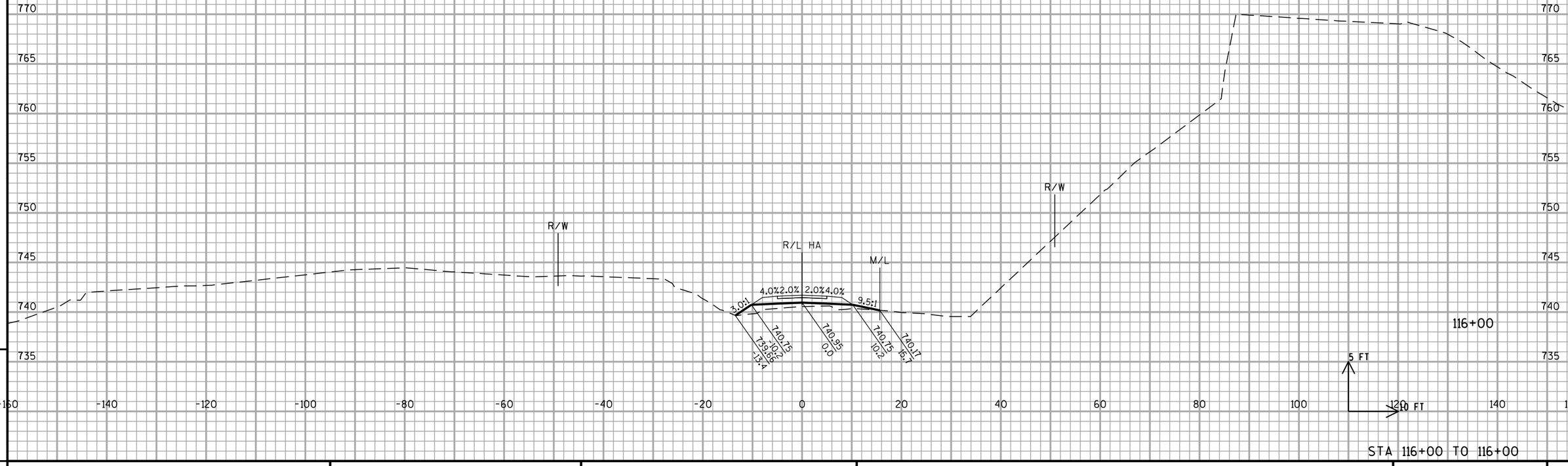


STA 115+50 TO 115+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha6 PLOT SCALE : 20:1

ALL WORK STAGE 8



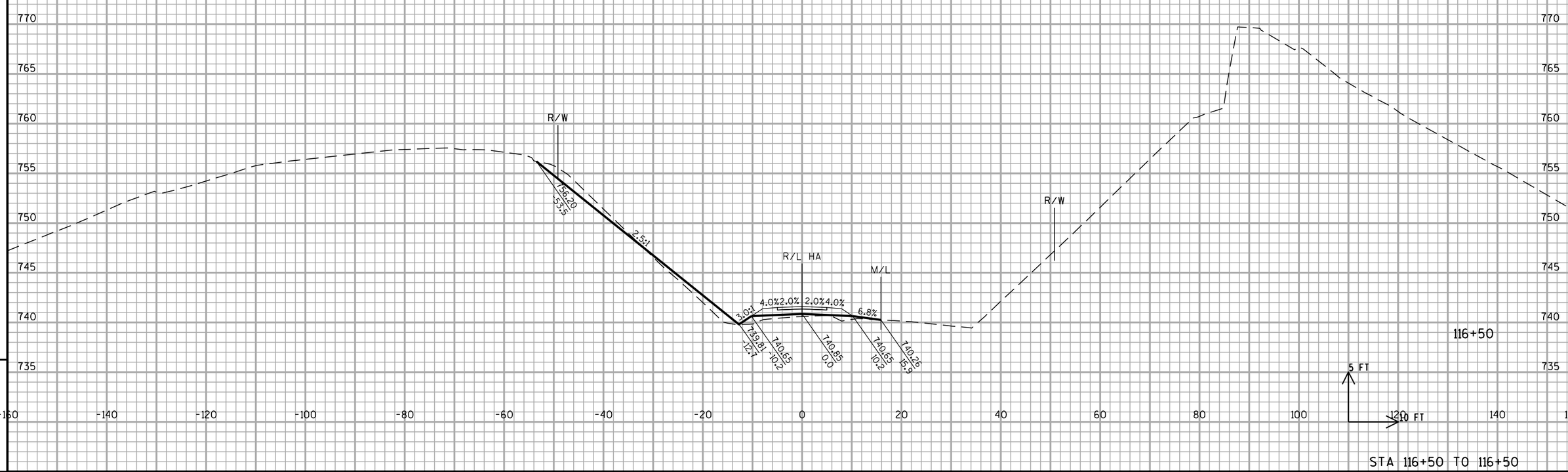
STA 116+00 TO 116+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

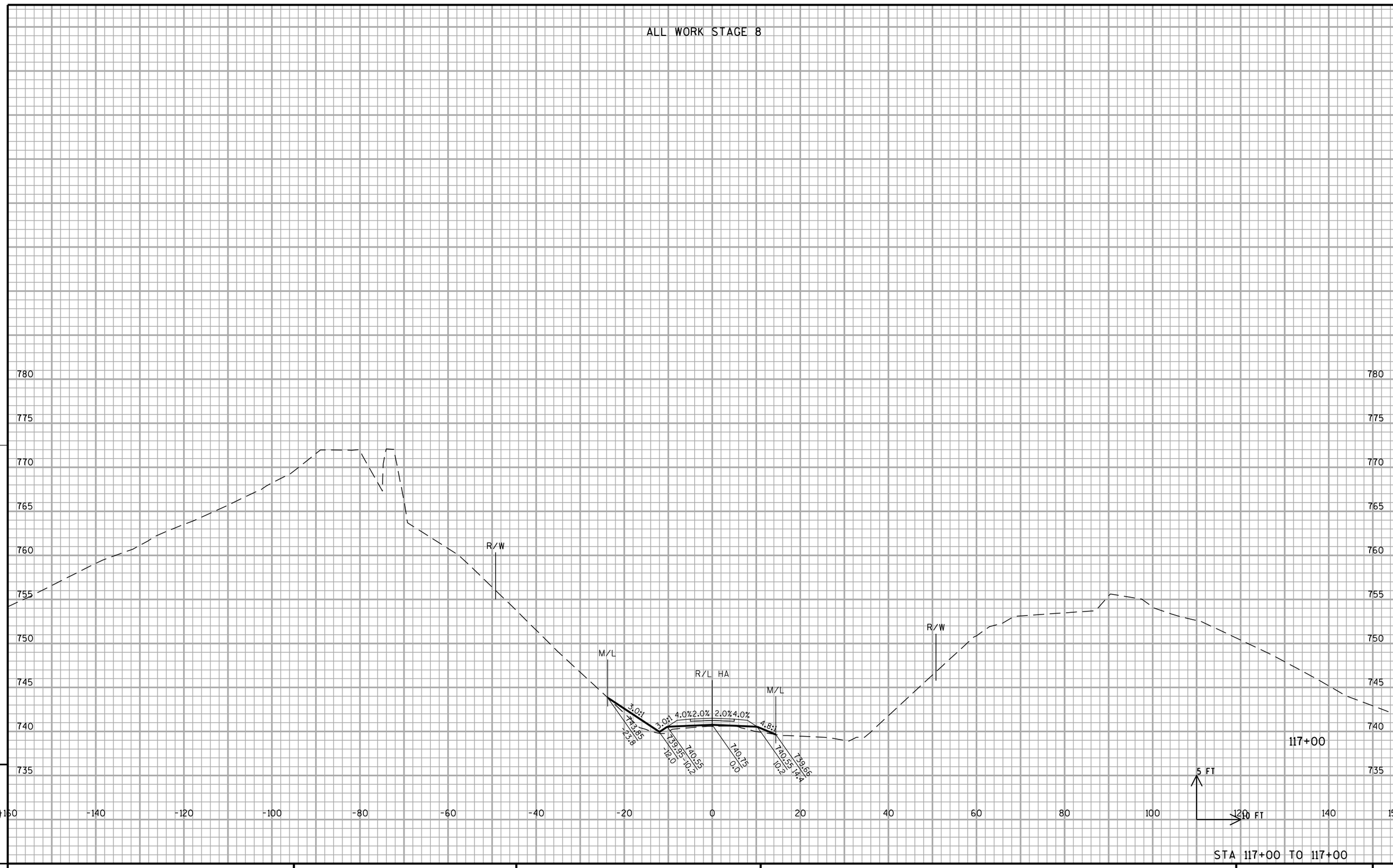


STA 116+50 TO 116+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha8 PLOT SCALE : 20:1

ALL WORK STAGE 8

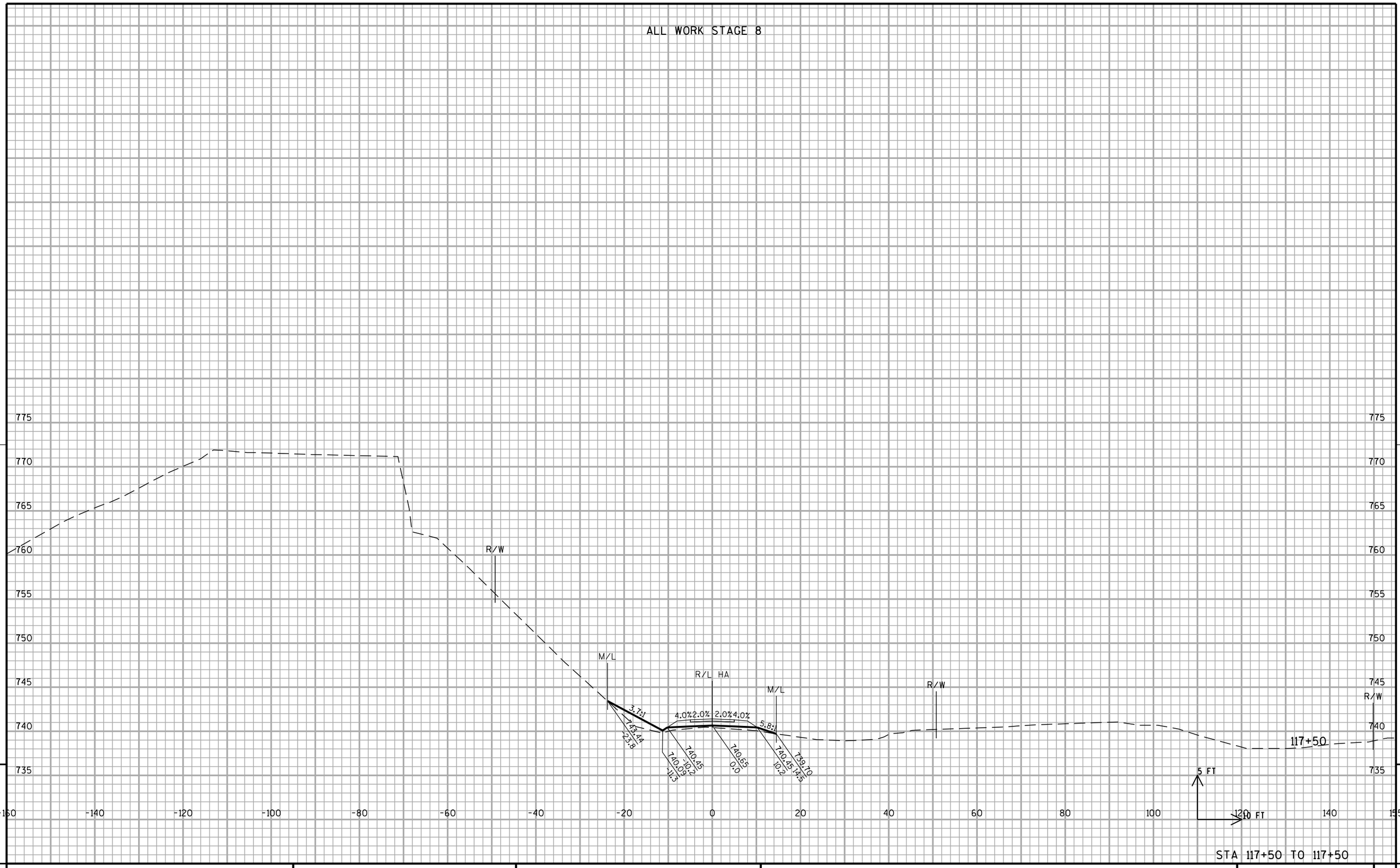


STA 117+00 TO 117+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:13 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha9 PLOT SCALE : 20:1

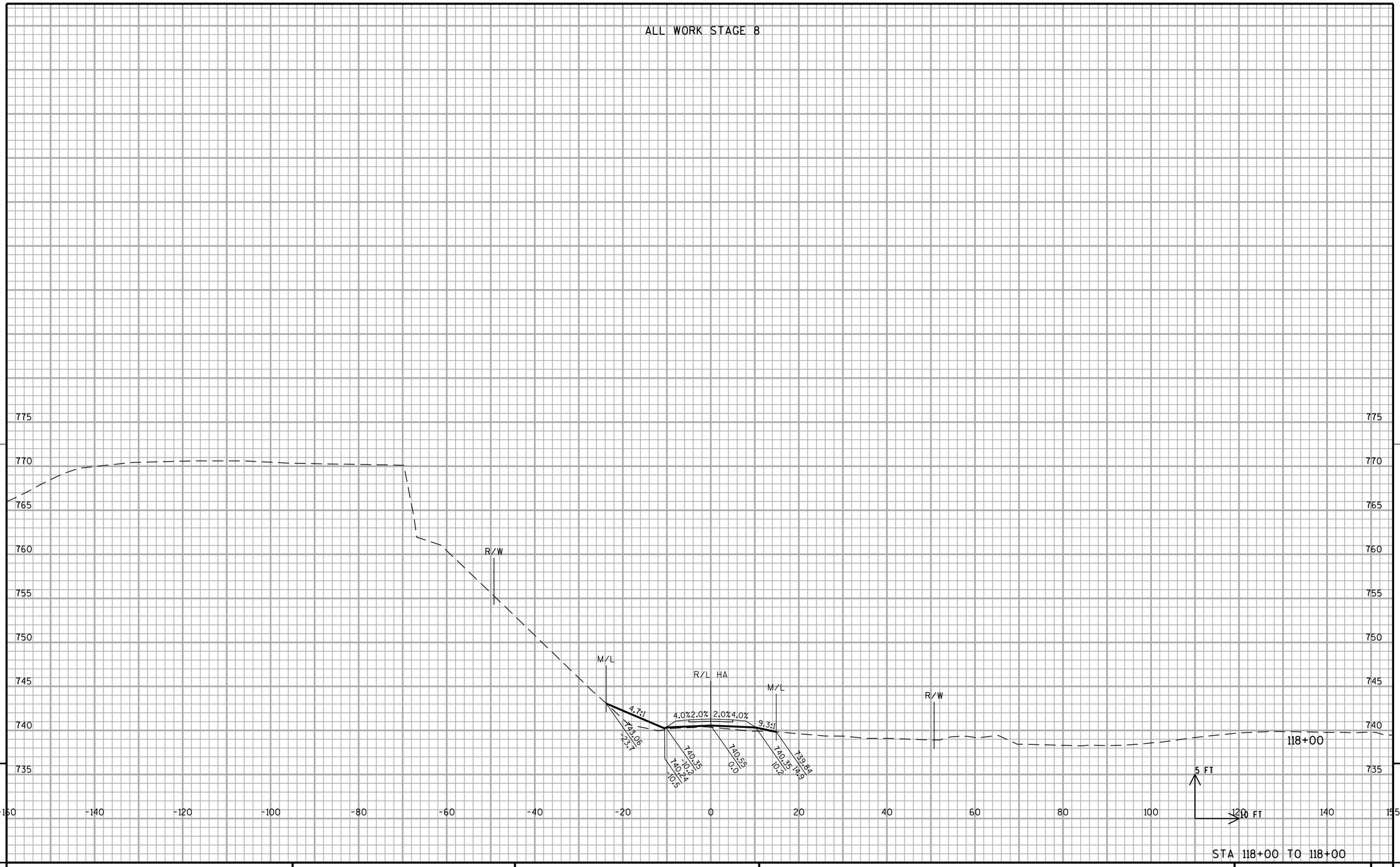
ALL WORK STAGE 8



STA 117+50 TO 117+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

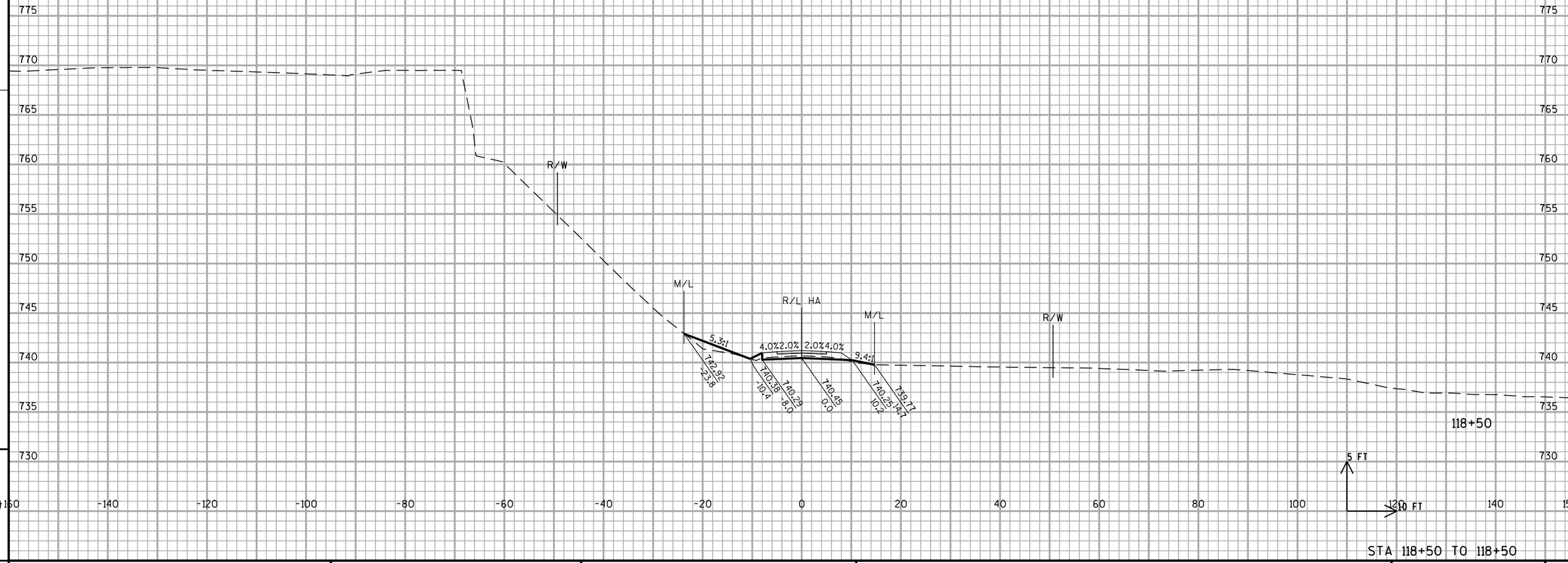
ALL WORK STAGE 8



STA 118+00 TO 118+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



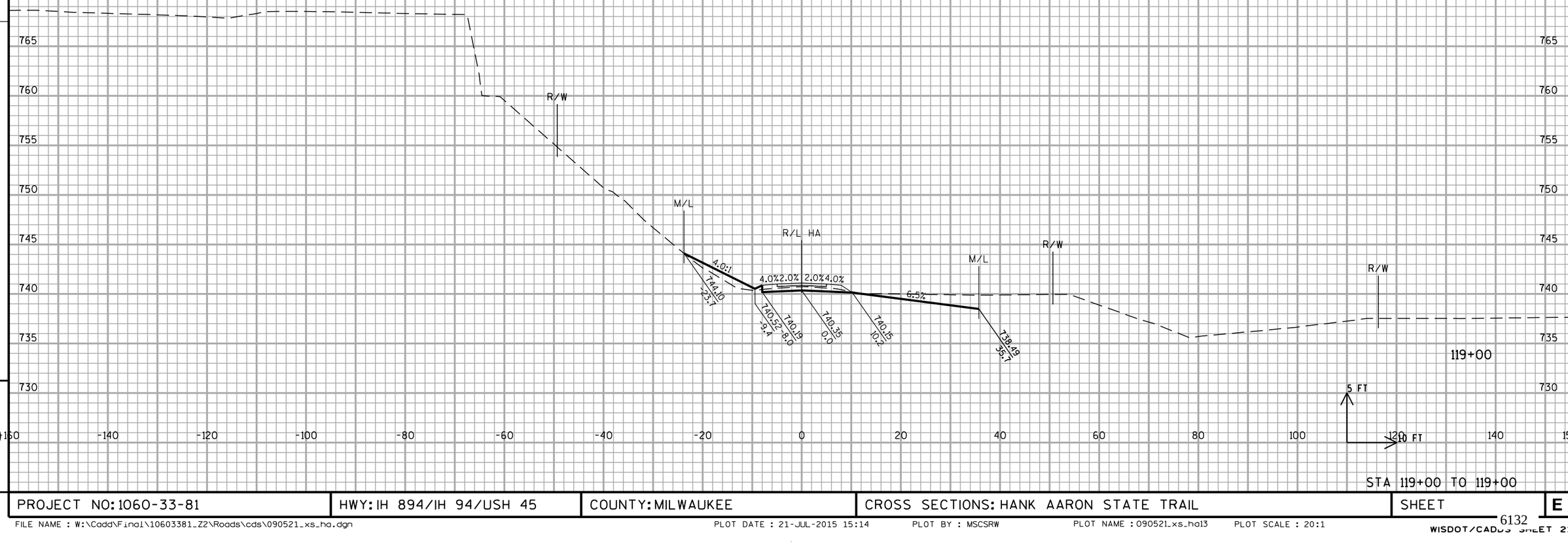
STA 118+50 TO 118+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha12 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



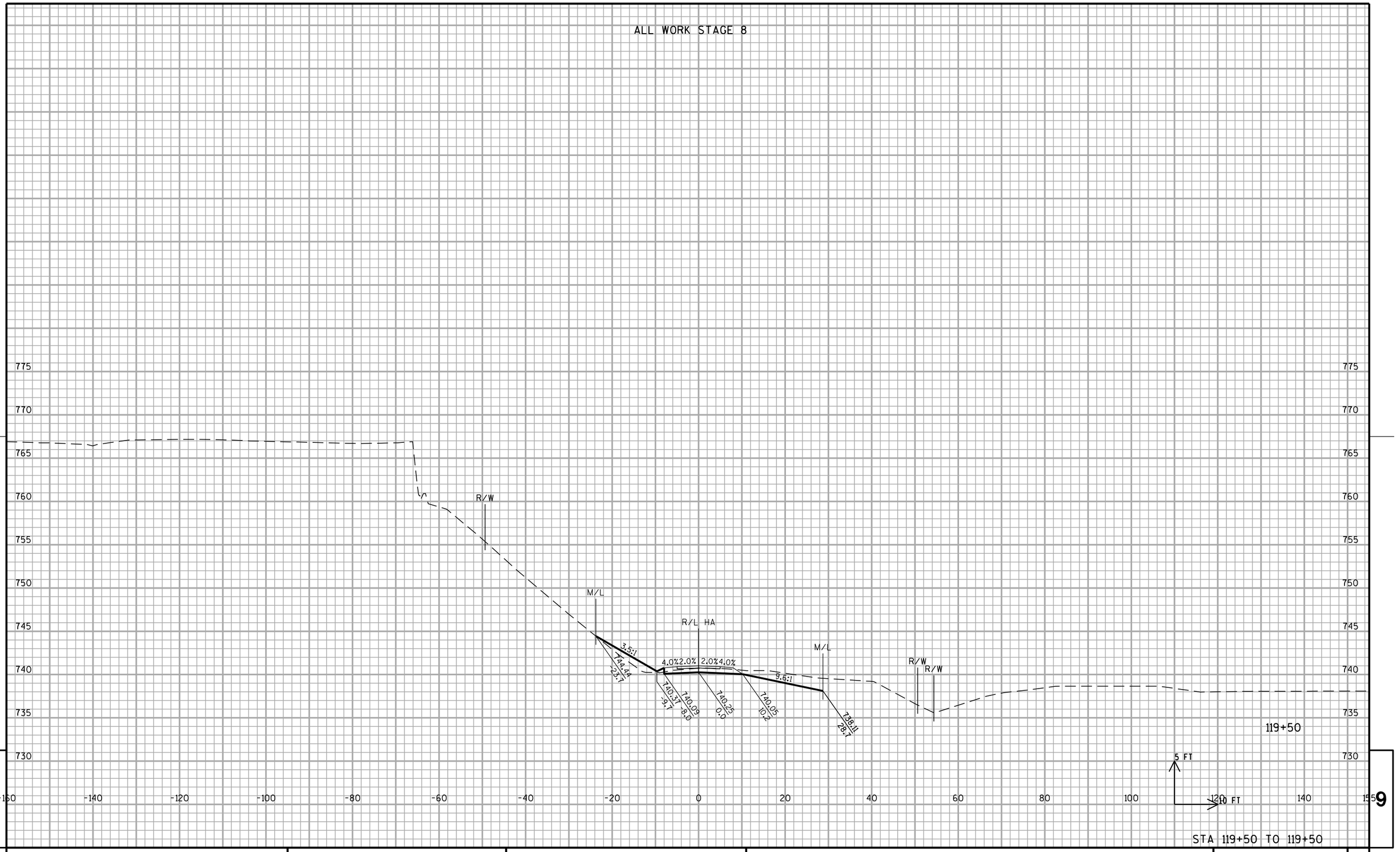
STA 119+00 TO 119+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



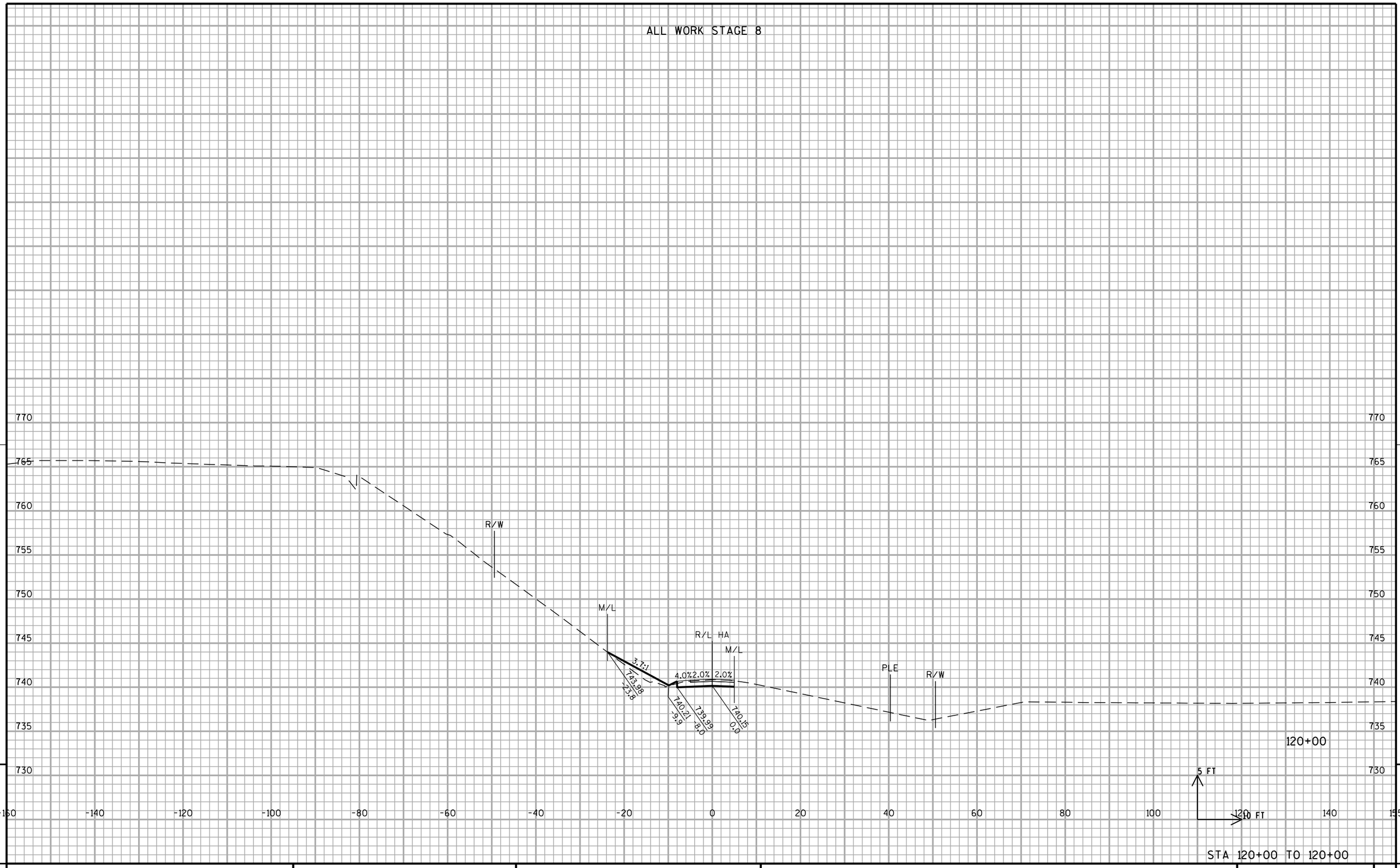
STA 119+50 TO 119+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha14 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

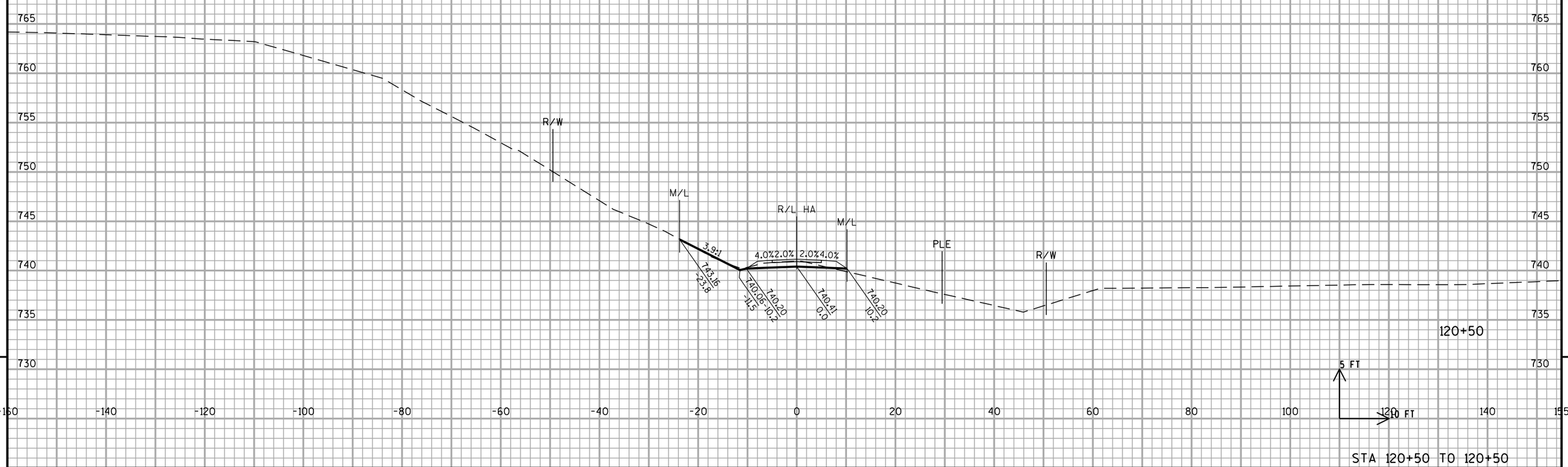
ALL WORK STAGE 8



STA 120+00 TO 120+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8

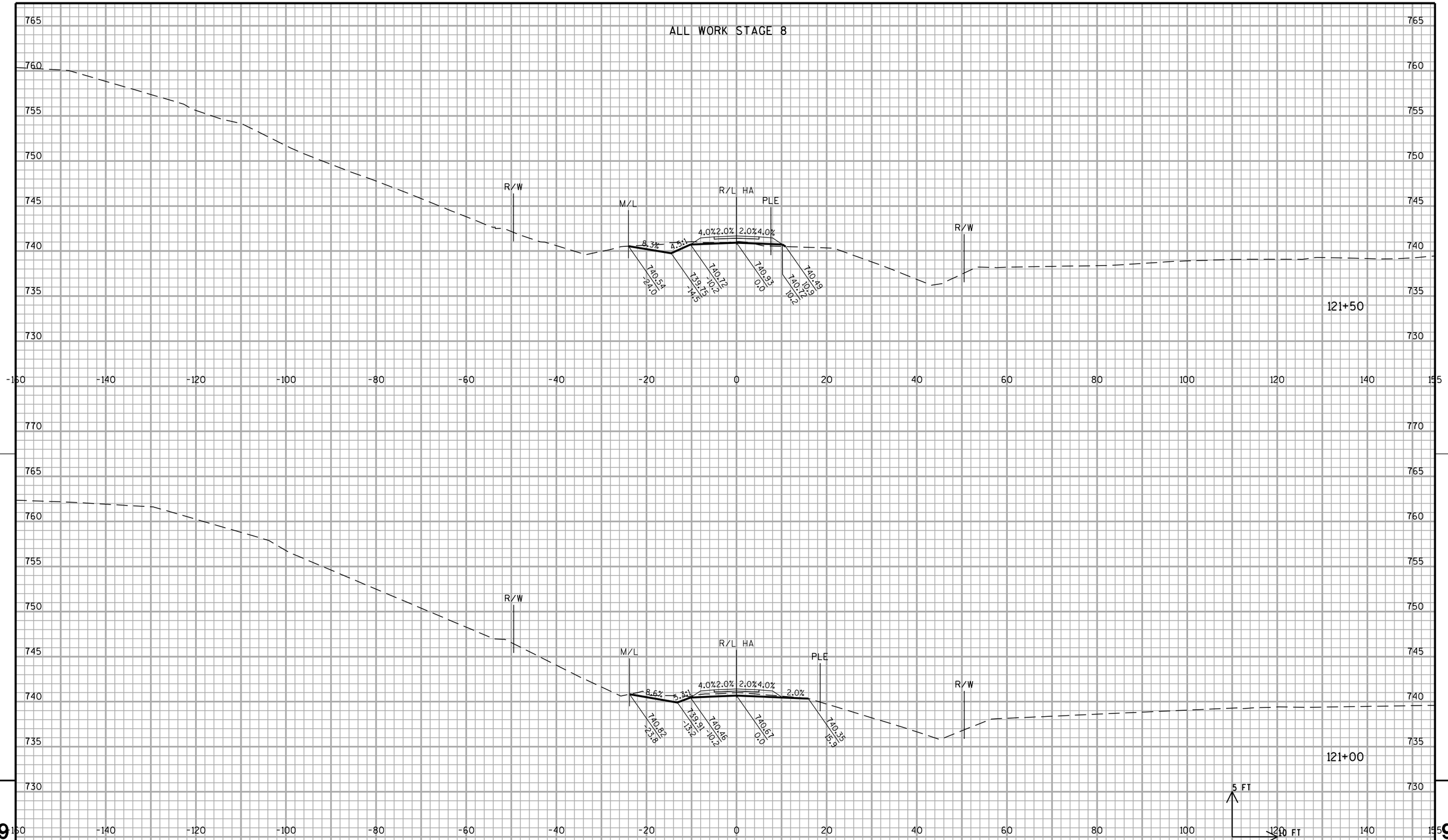


9

STA 120+50 TO 120+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



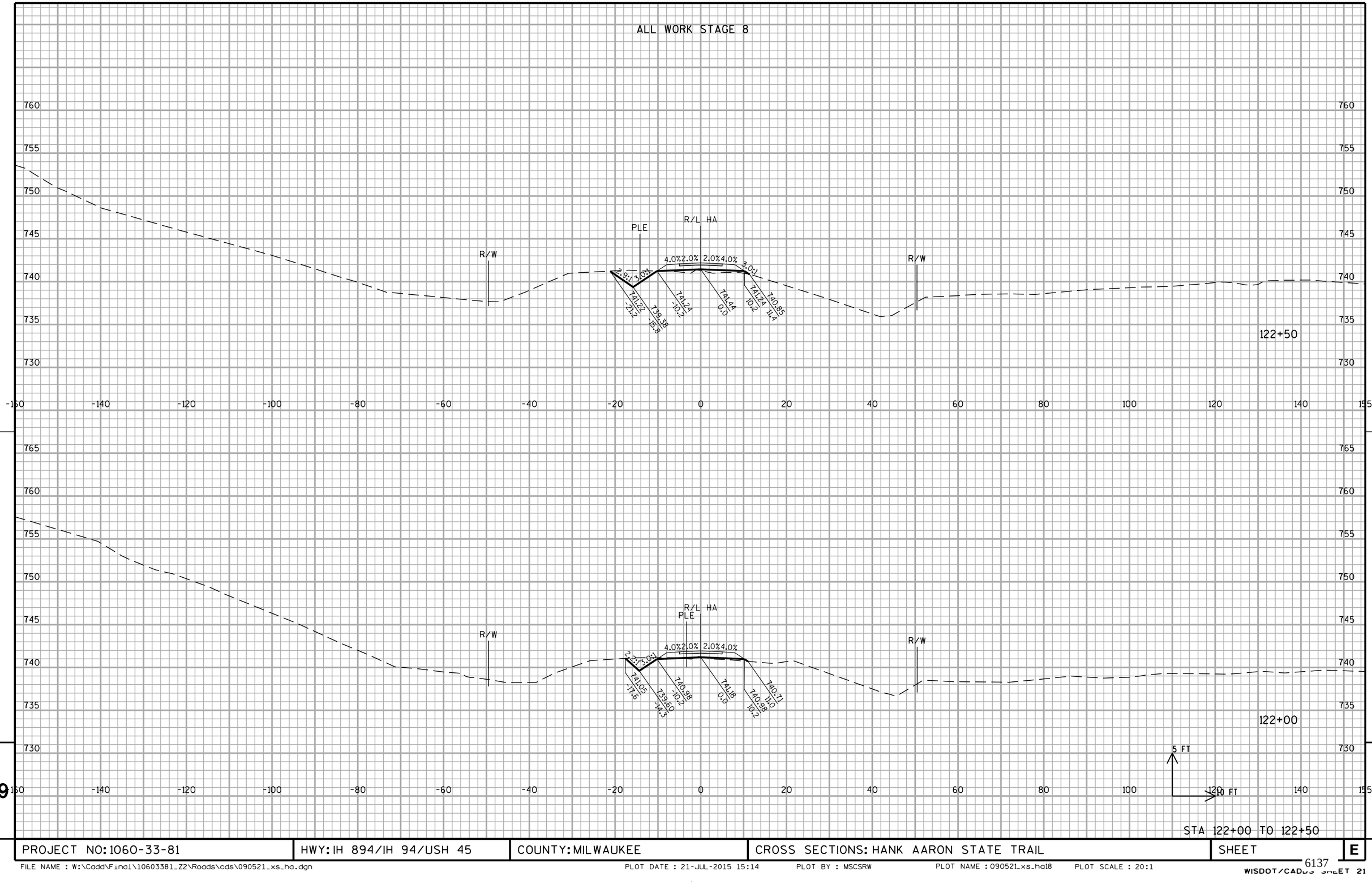
STA 121+00 TO 121+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha17 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

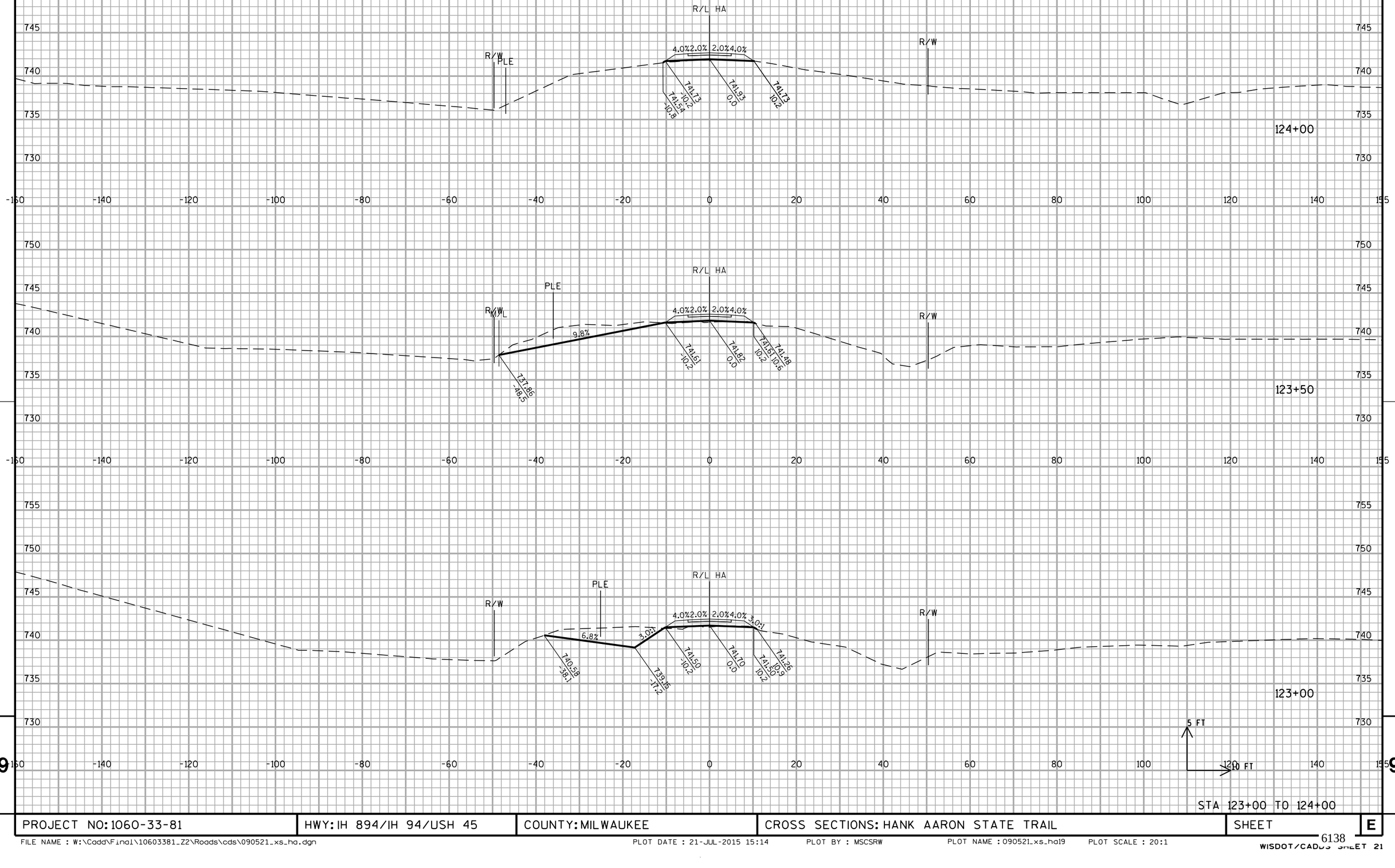


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha18 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



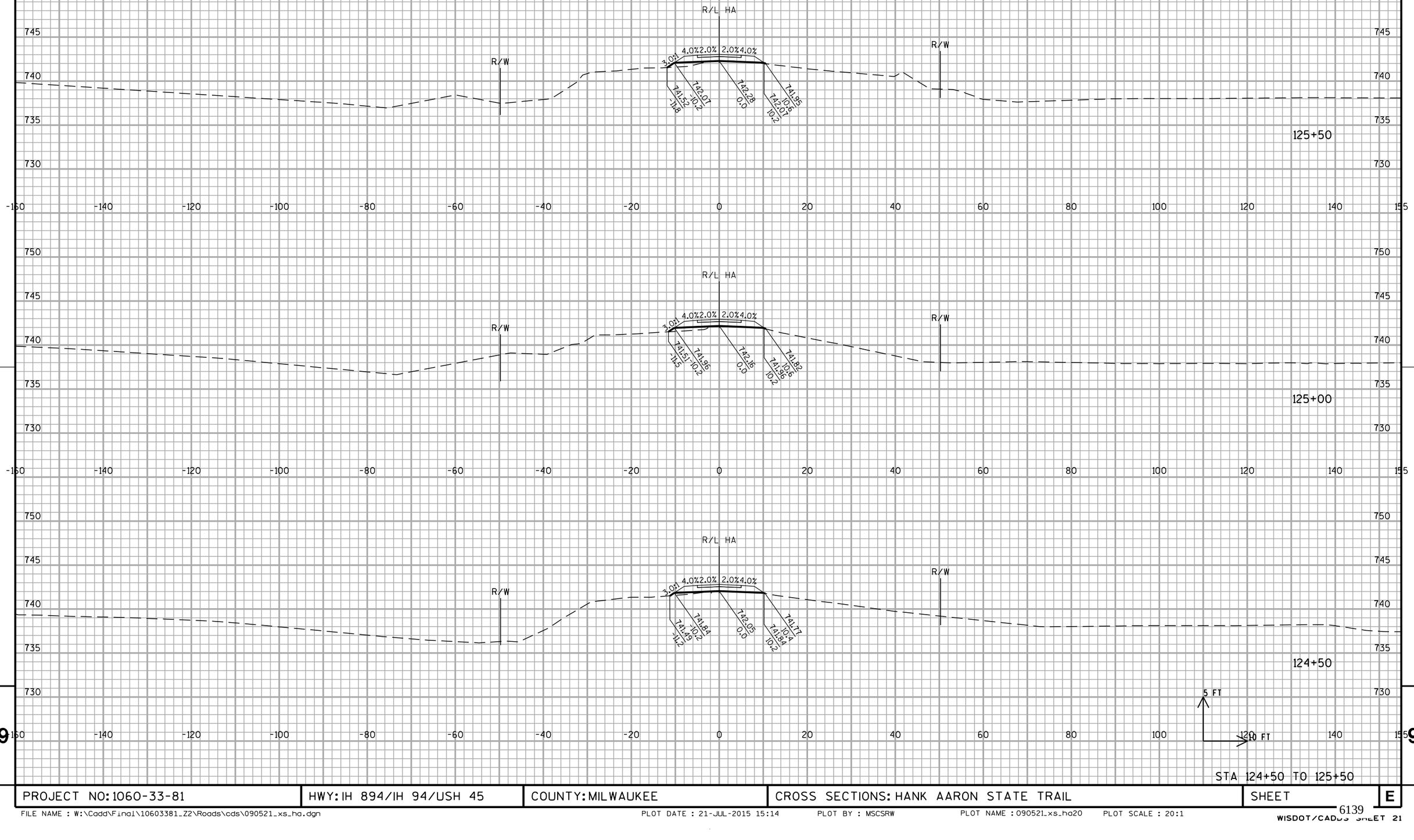
STA 123+00 TO 124+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha19 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



9

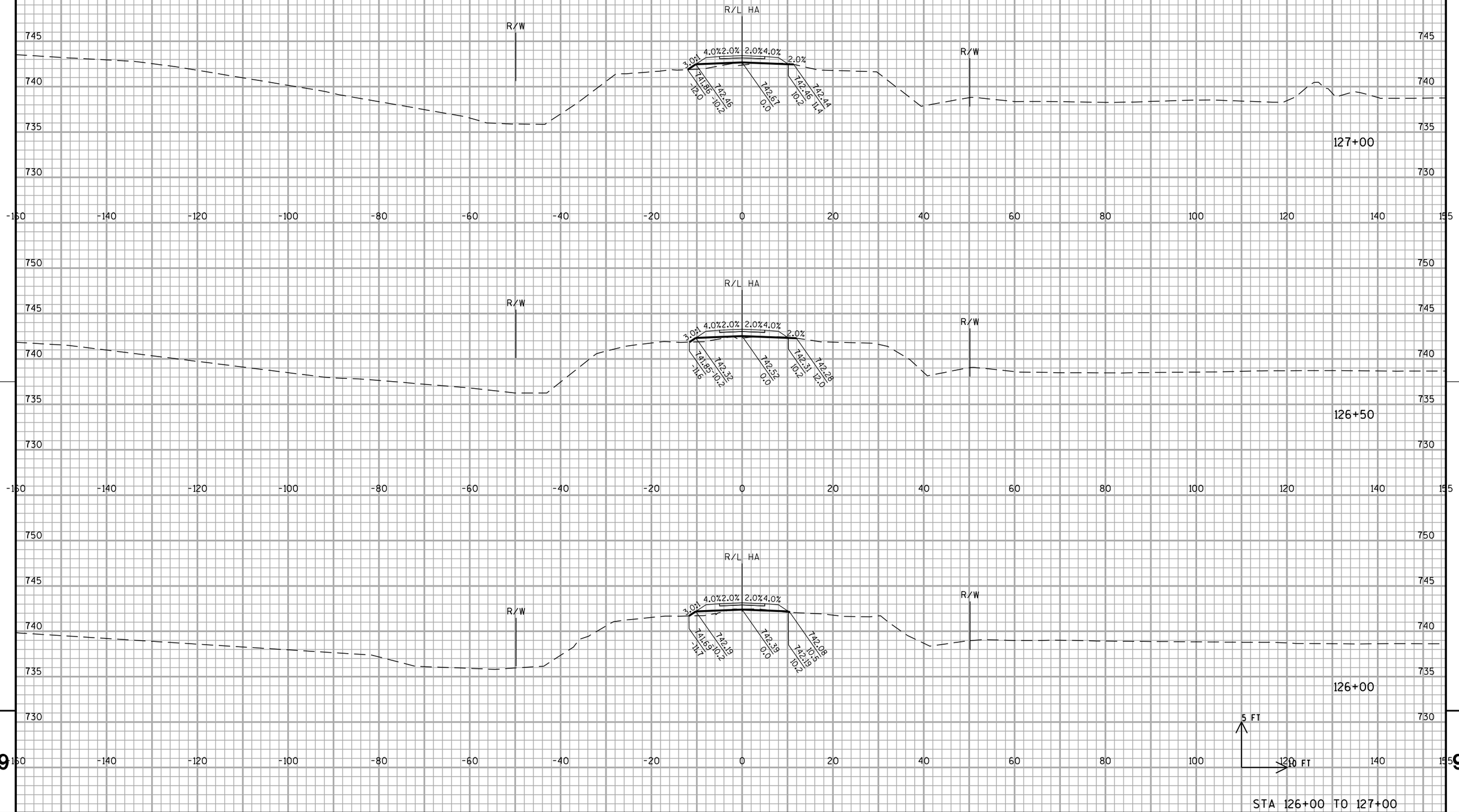
9

STA 124+50 TO 125+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha20 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



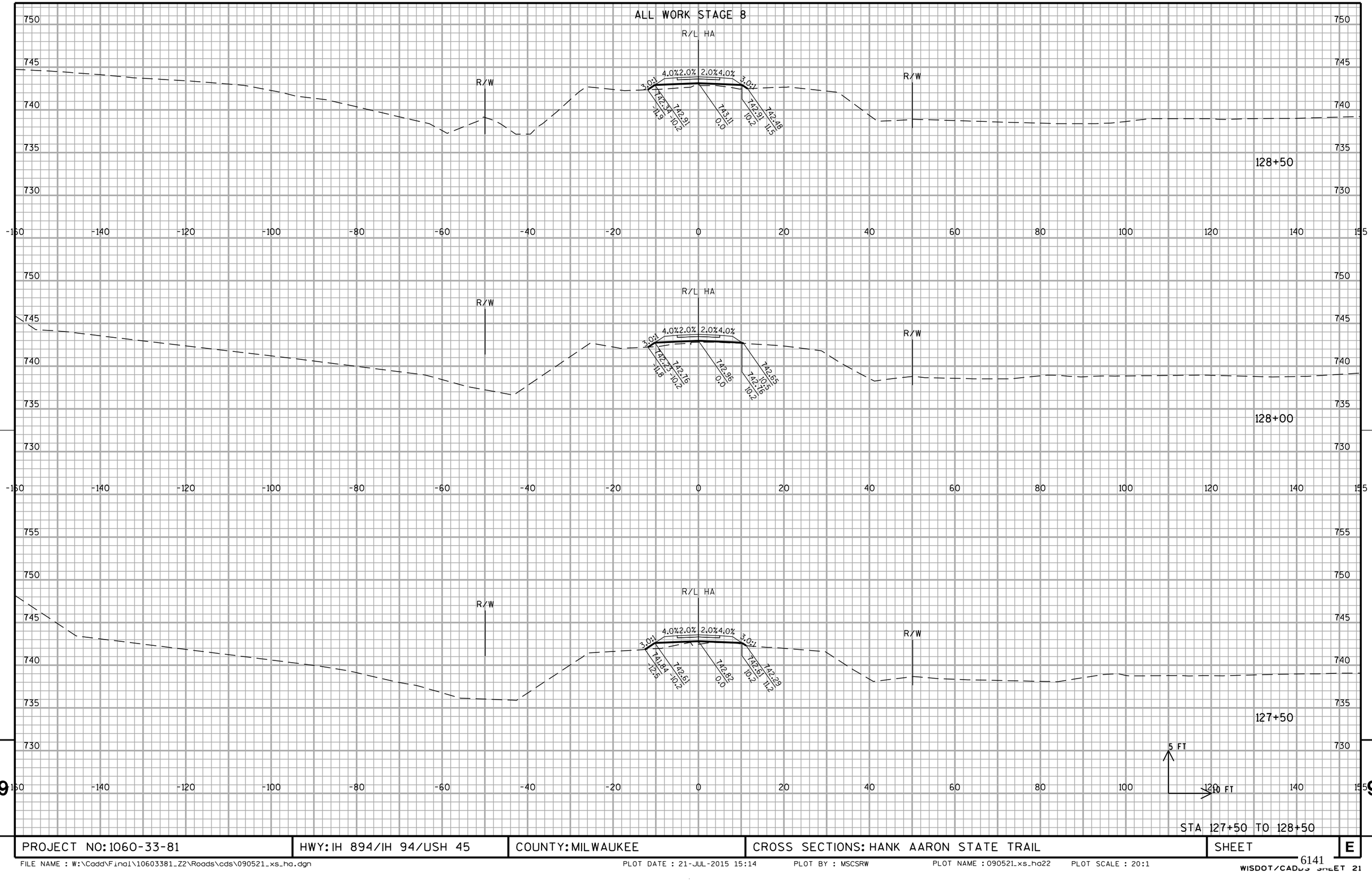
5 FT
10 FT

STA 126+00 TO 127+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

ALL WORK STAGE 8



STA 127+50 TO 128+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha22 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

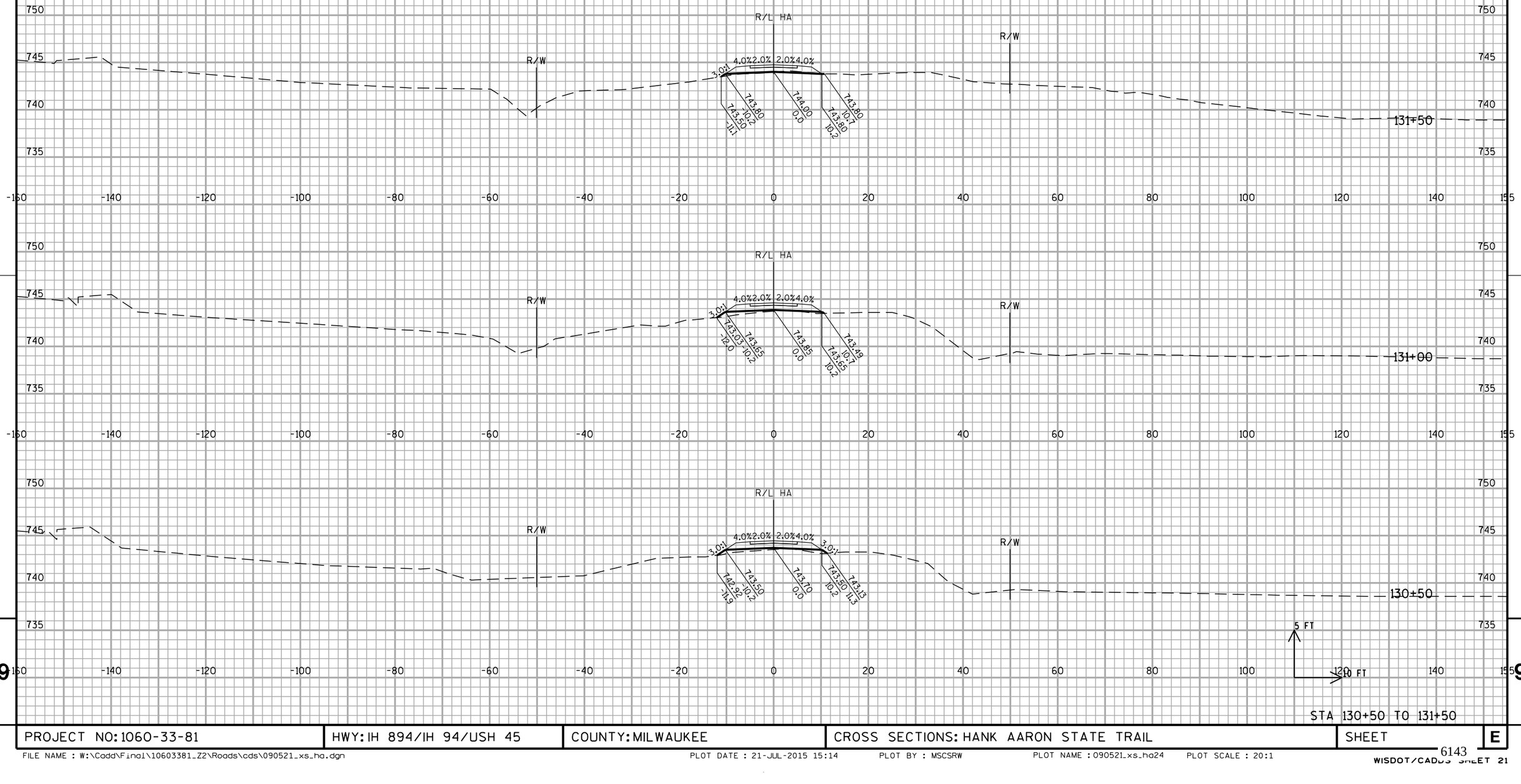
ALL WORK STAGE 8

STA 129+00 TO 130+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

ALL WORK STAGE 8



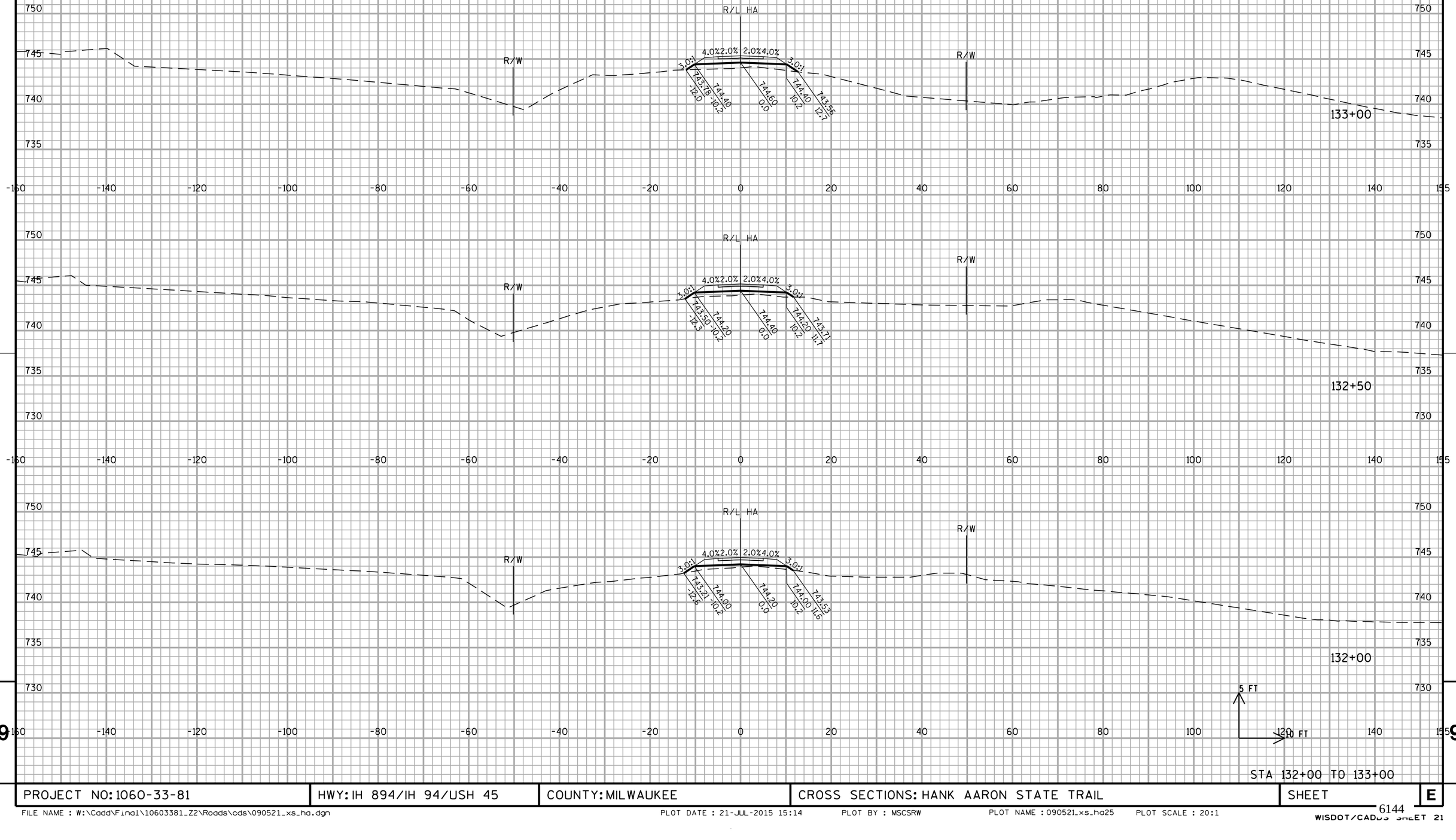
STA 130+50 TO 131+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha24 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



9

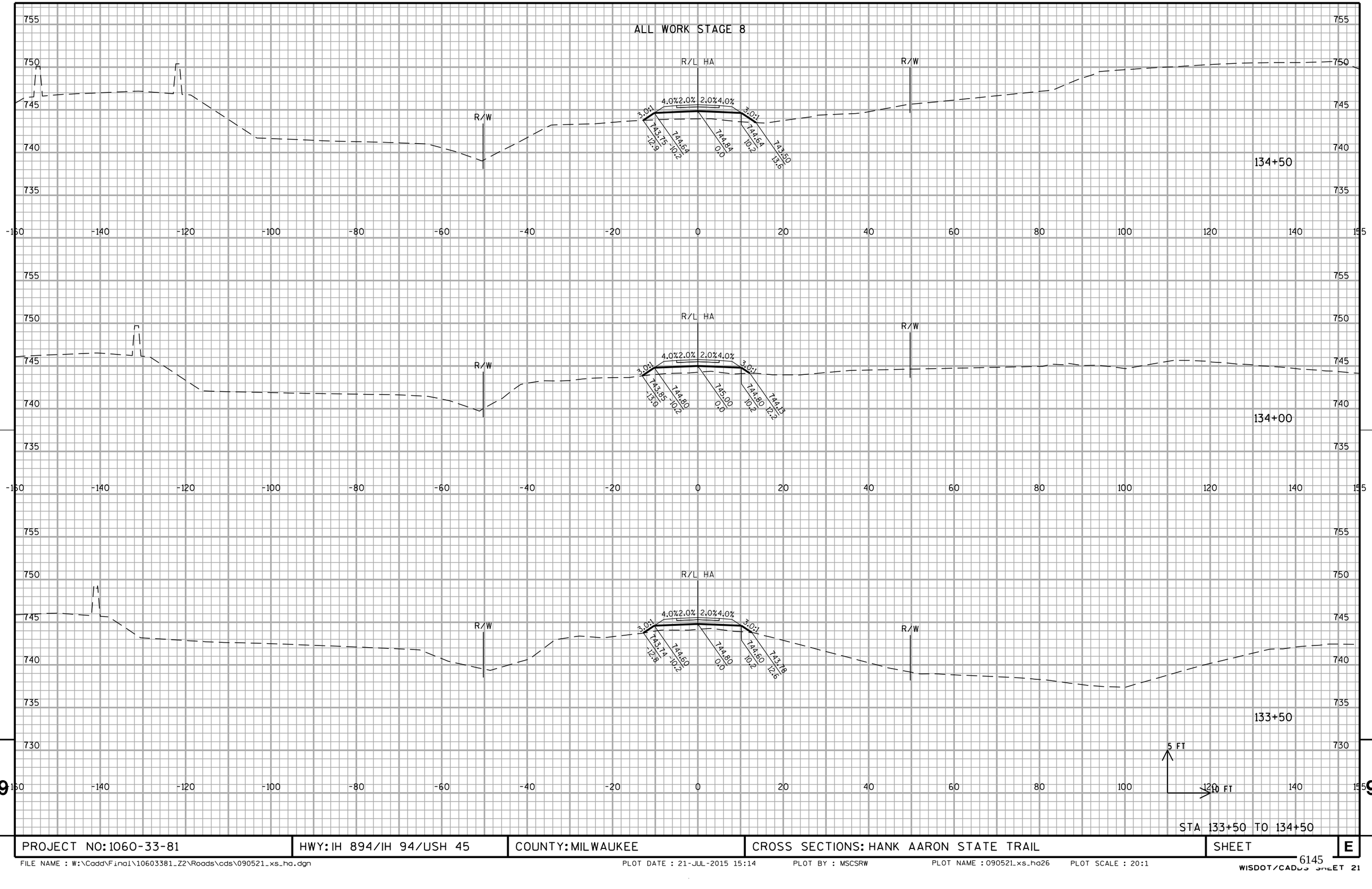
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

STA 132+00 TO 133+00

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha25 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



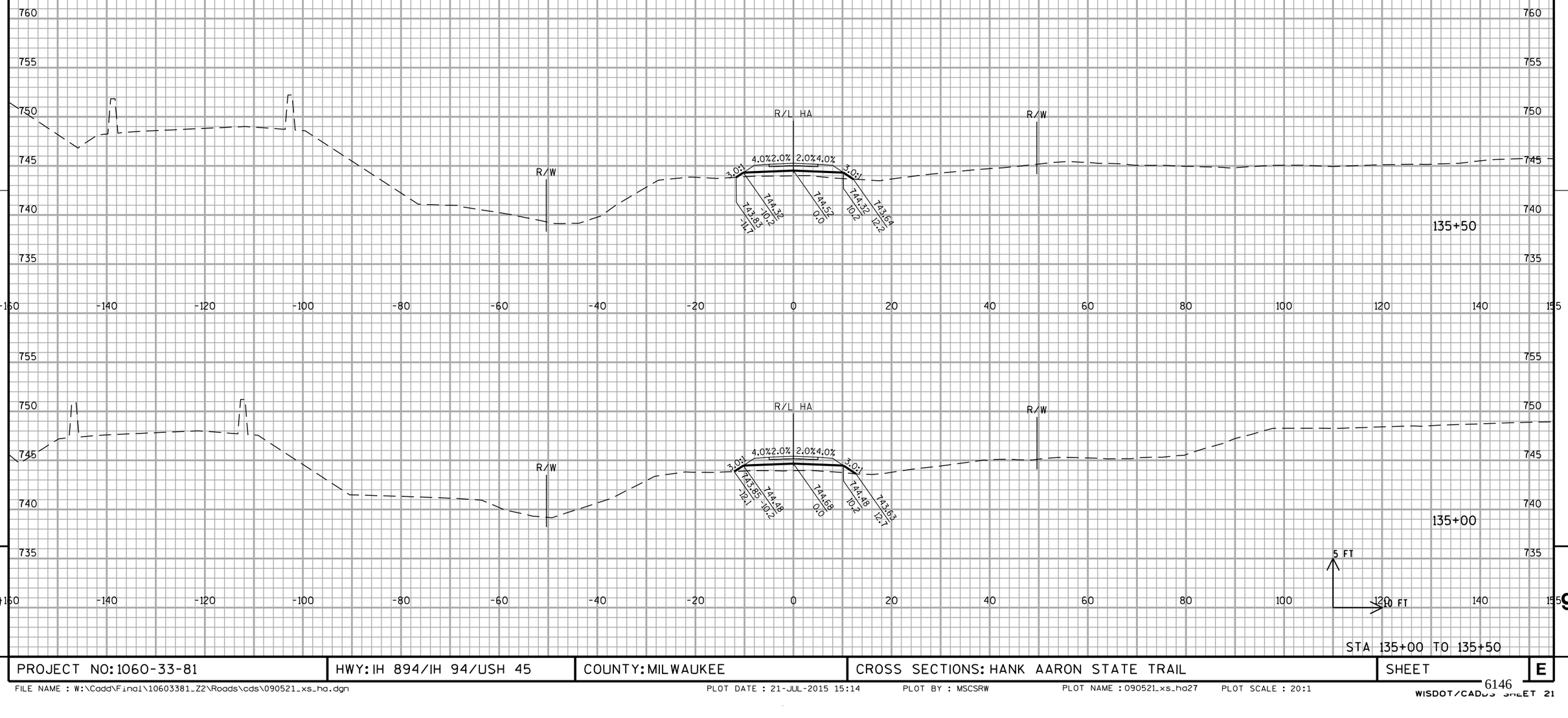
STA 133+50 TO 134+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

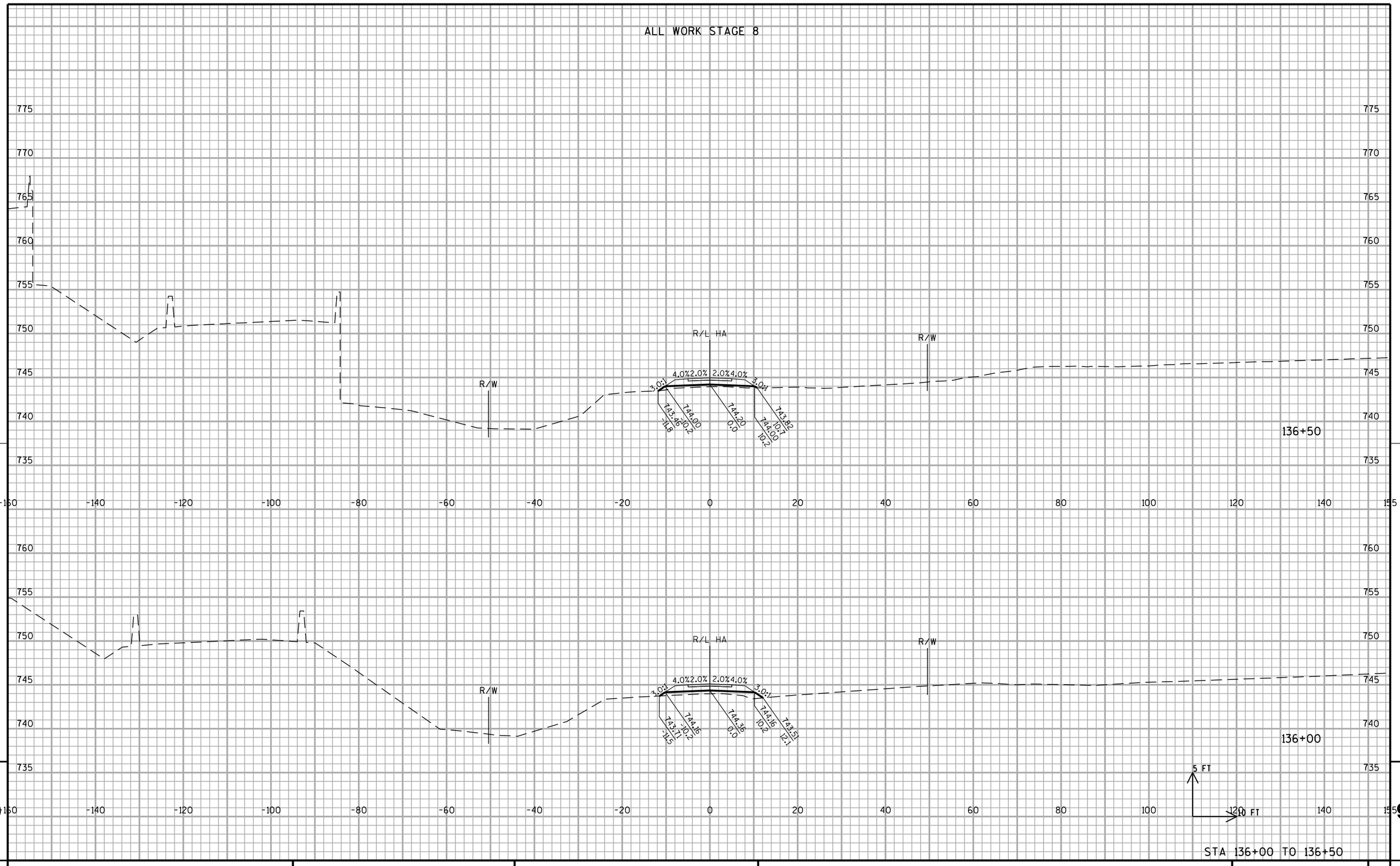


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha27 PLOT SCALE : 20:1

ALL WORK STAGE 8

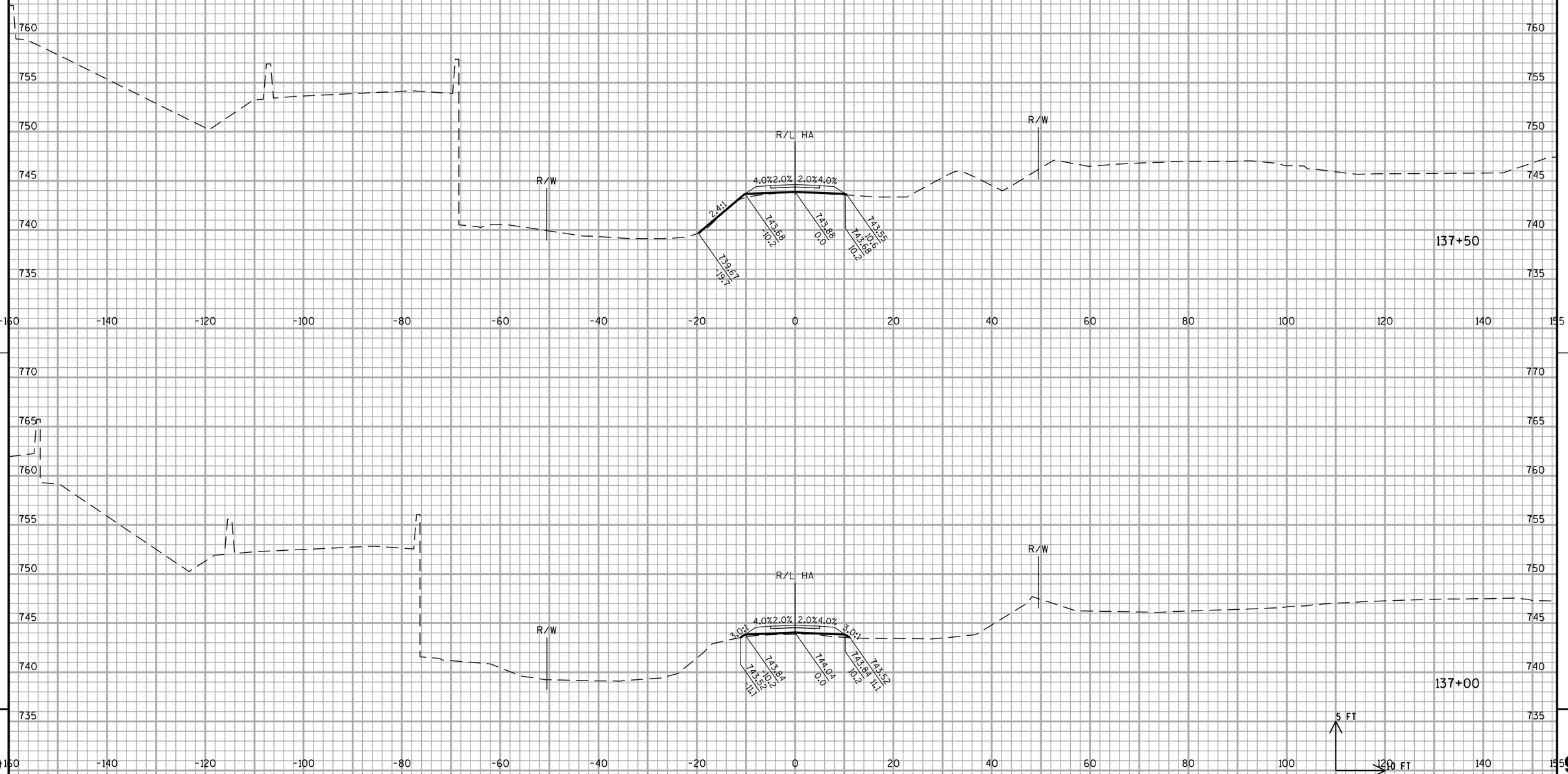


STA 136+00 TO 136+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha28 PLOT SCALE : 20:1

ALL WORK STAGE 8

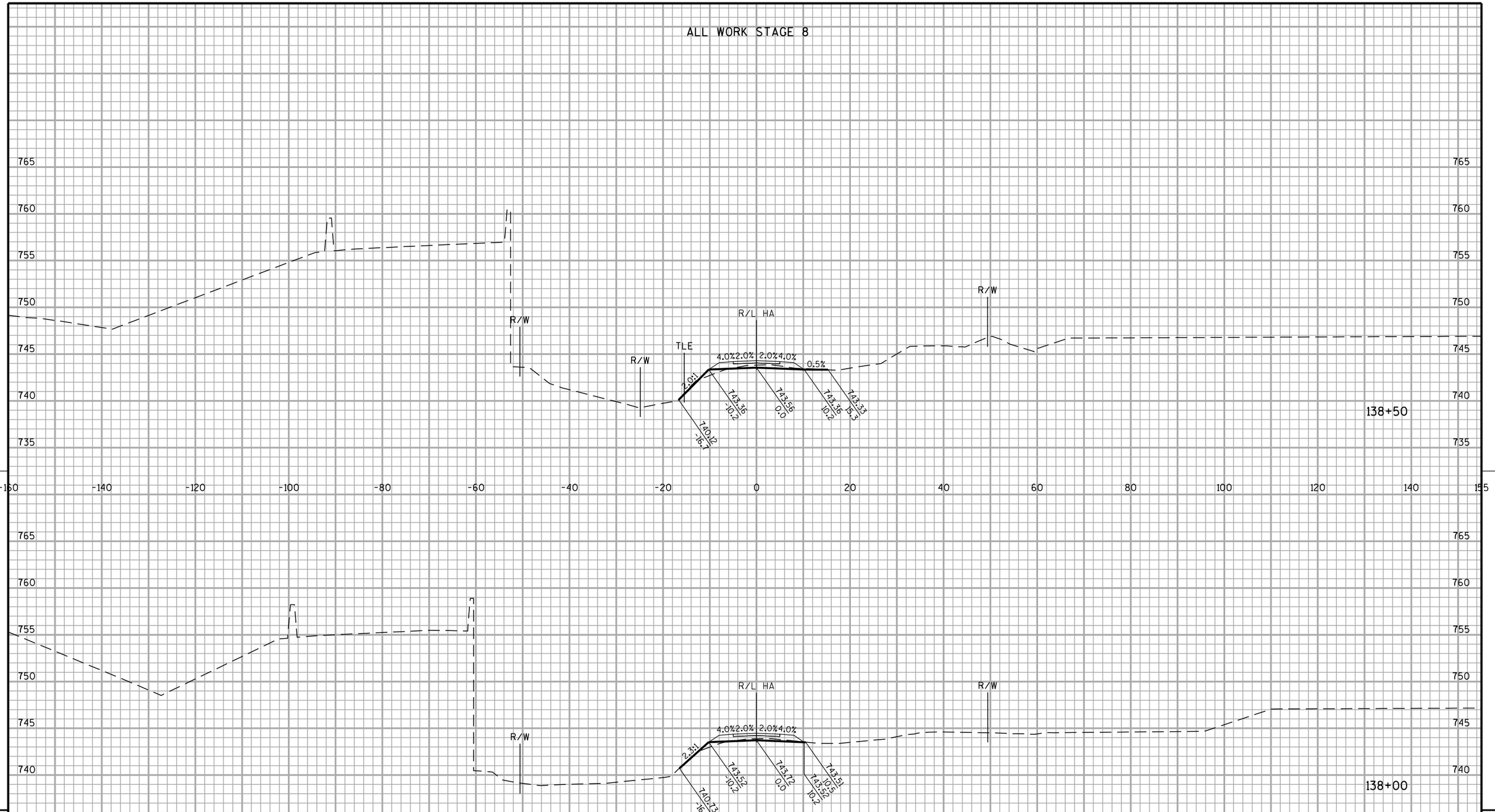


STA 137+00 TO 137+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha29 PLOT SCALE : 20:1

ALL WORK STAGE 8

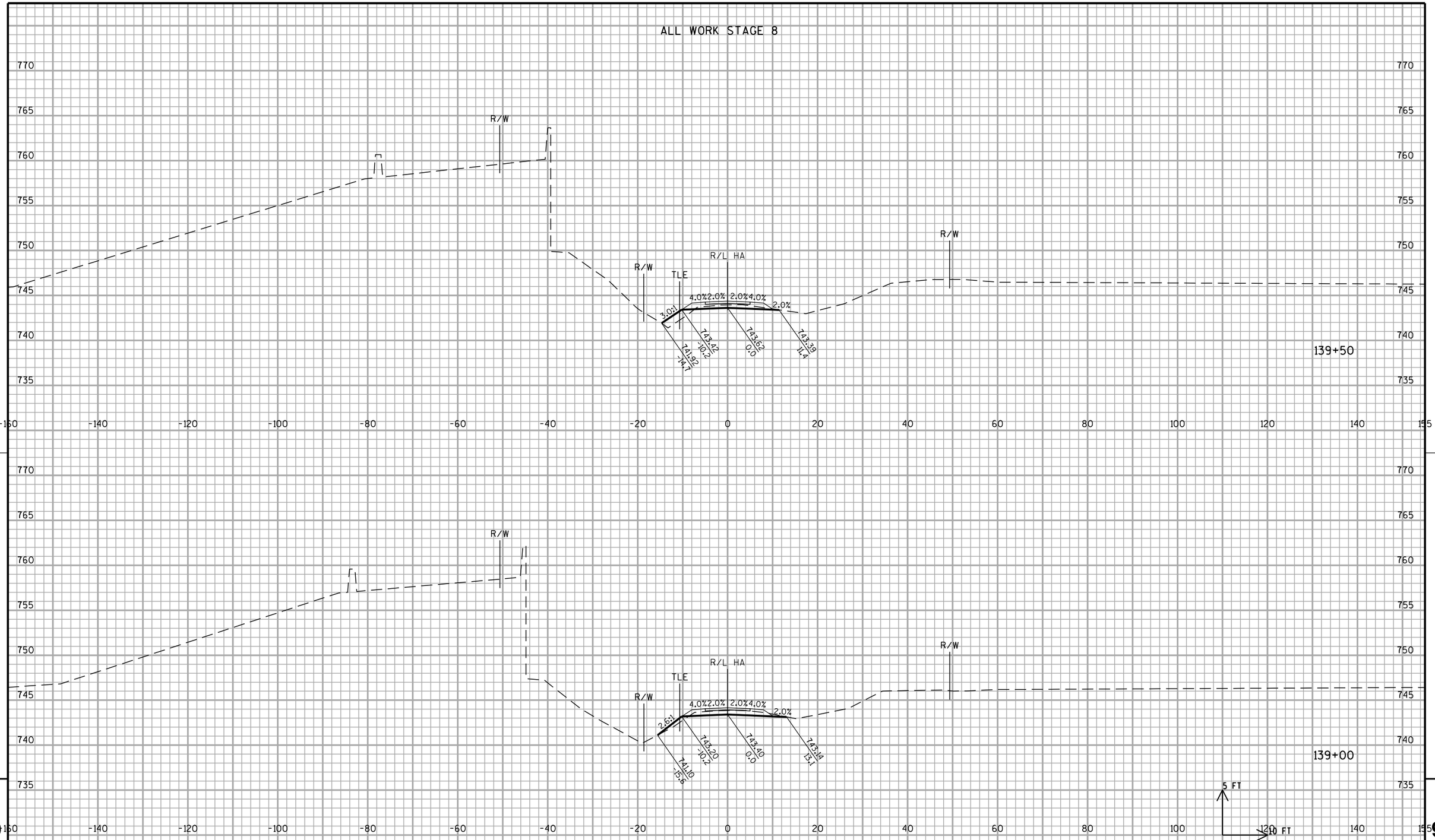


STA 138+00 TO 138+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha30 PLOT SCALE : 20:1

ALL WORK STAGE 8

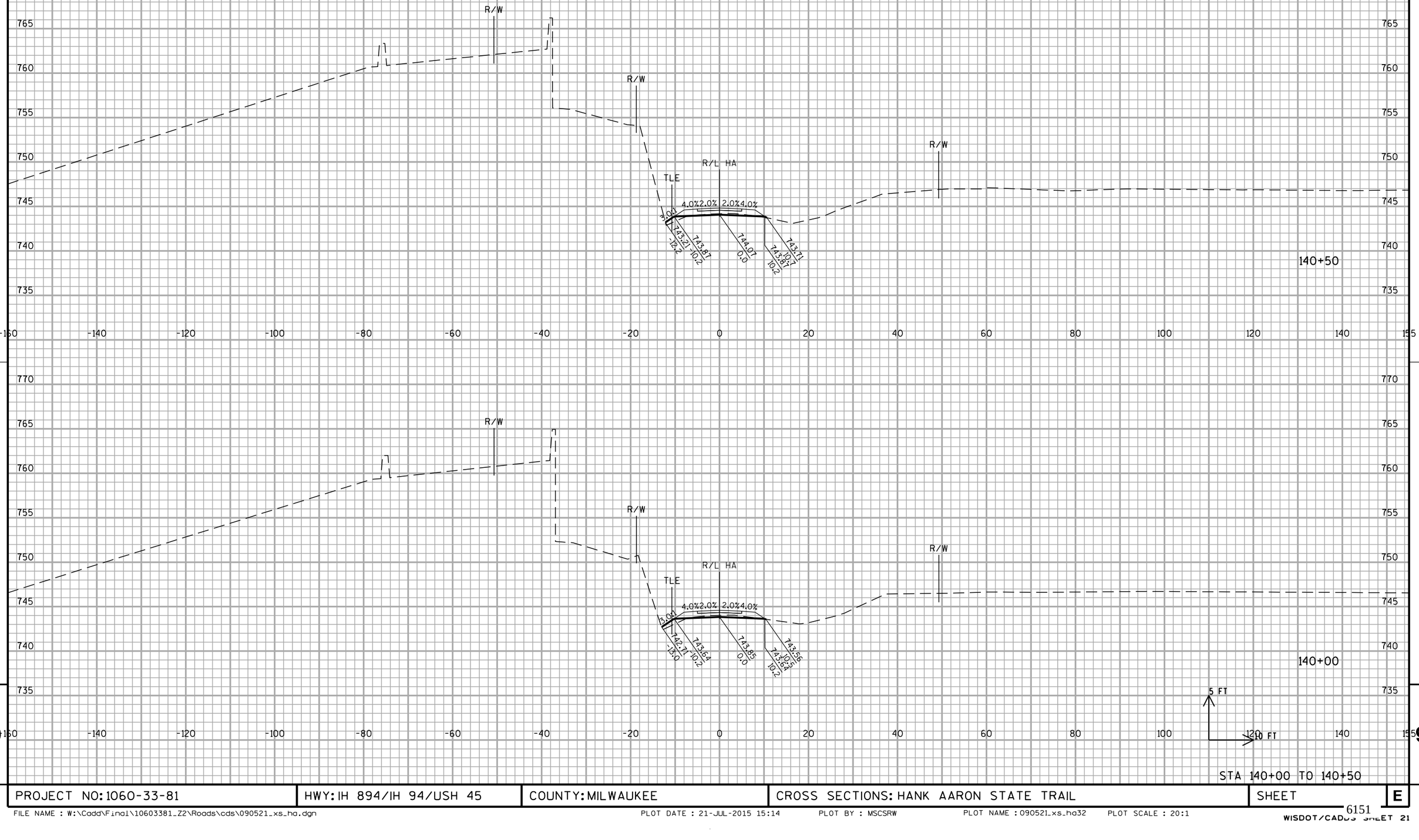


STA 139+00 TO 139+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha31 PLOT SCALE : 20:1

ALL WORK STAGE 8

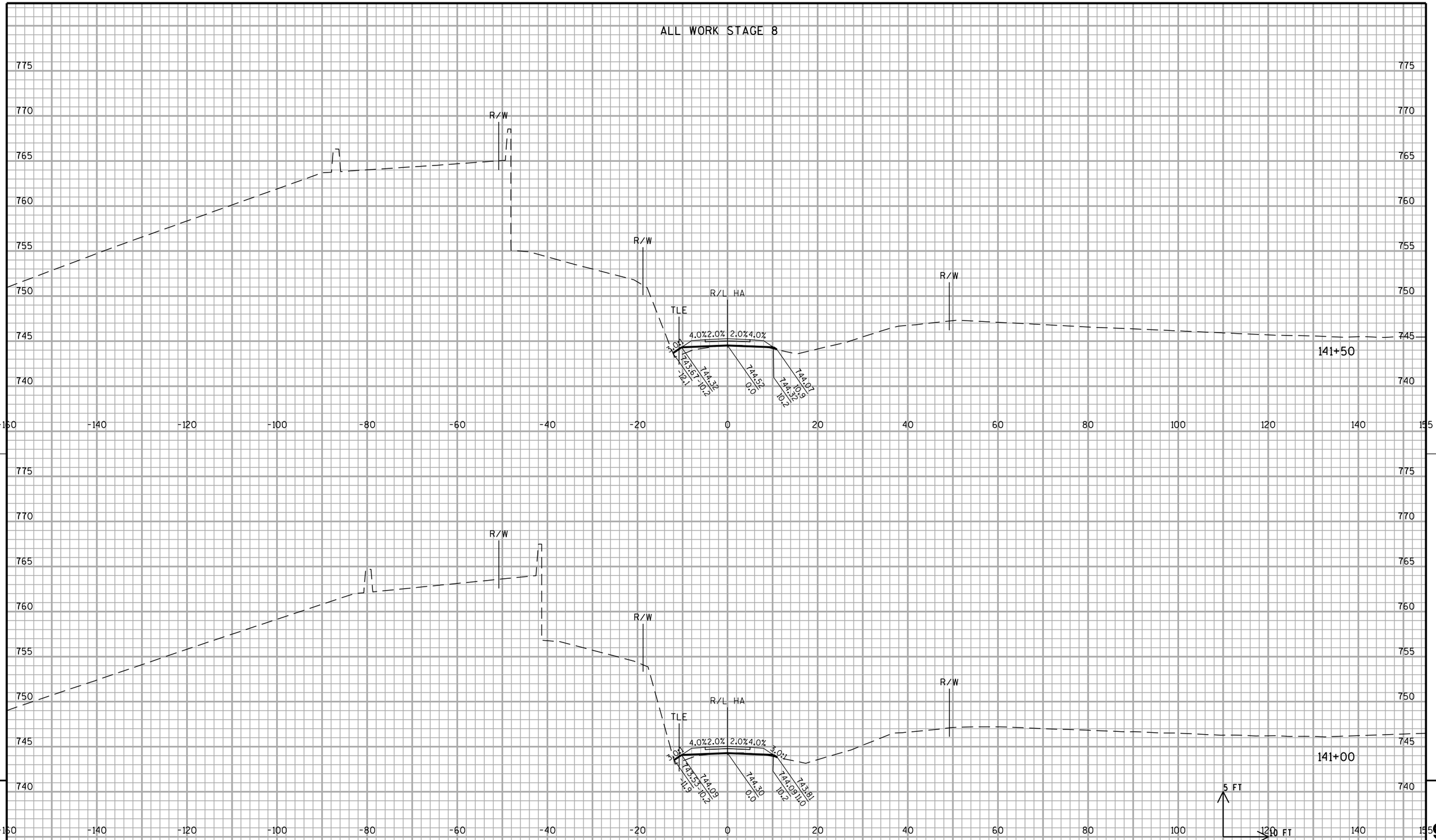


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha32 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



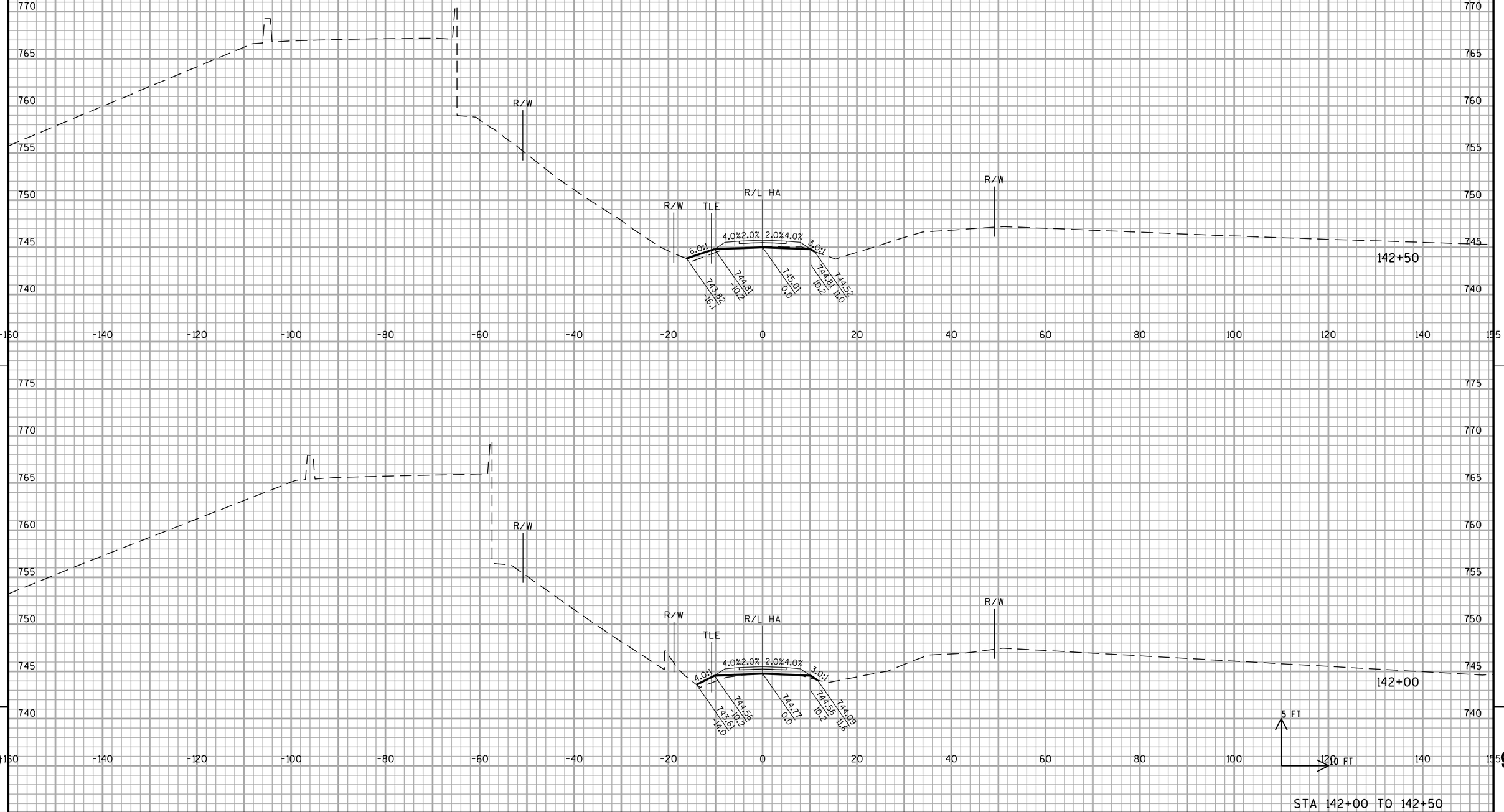
STA 141+00 TO 141+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha33 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



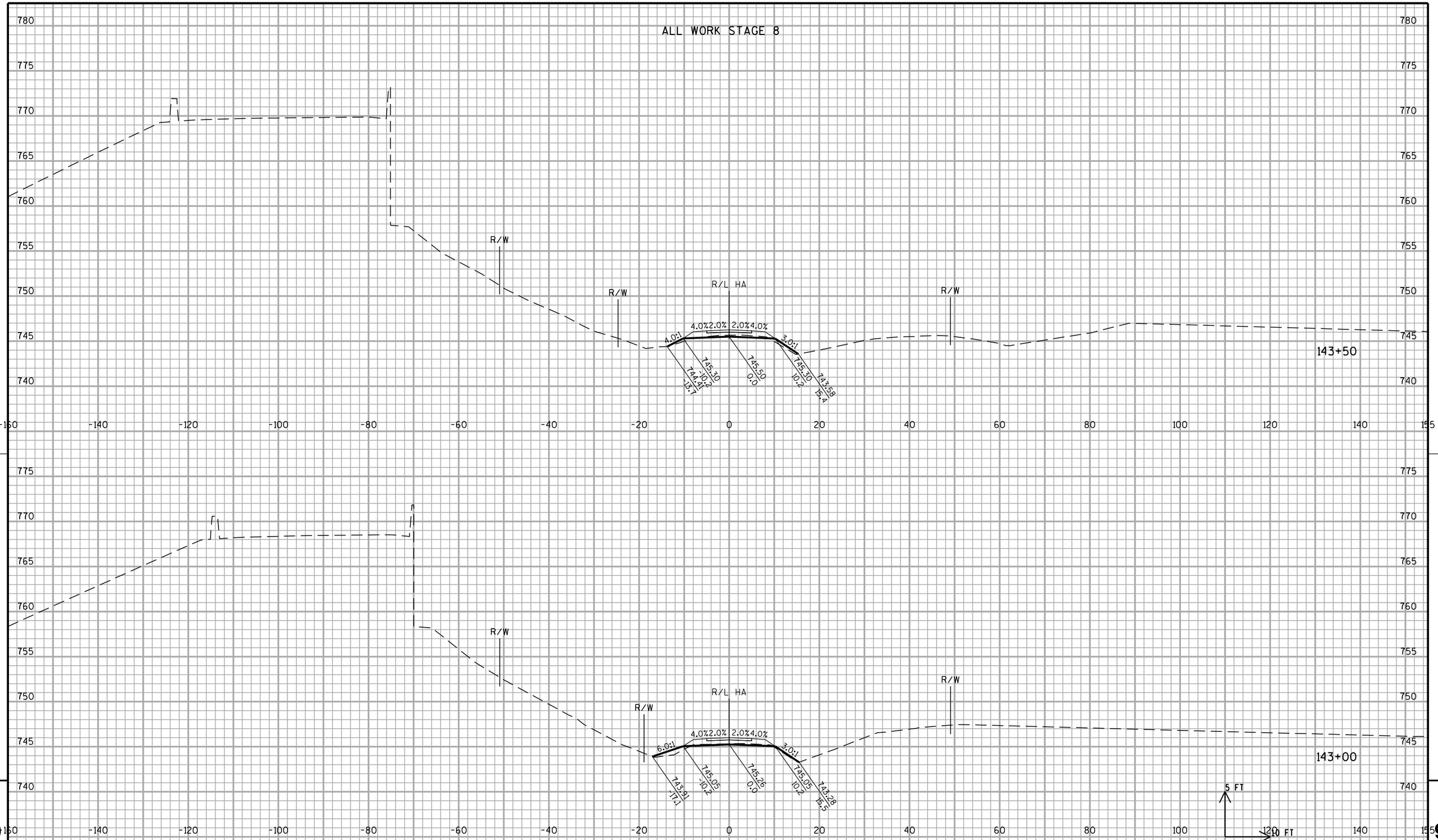
STA 142+00 TO 142+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha34 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

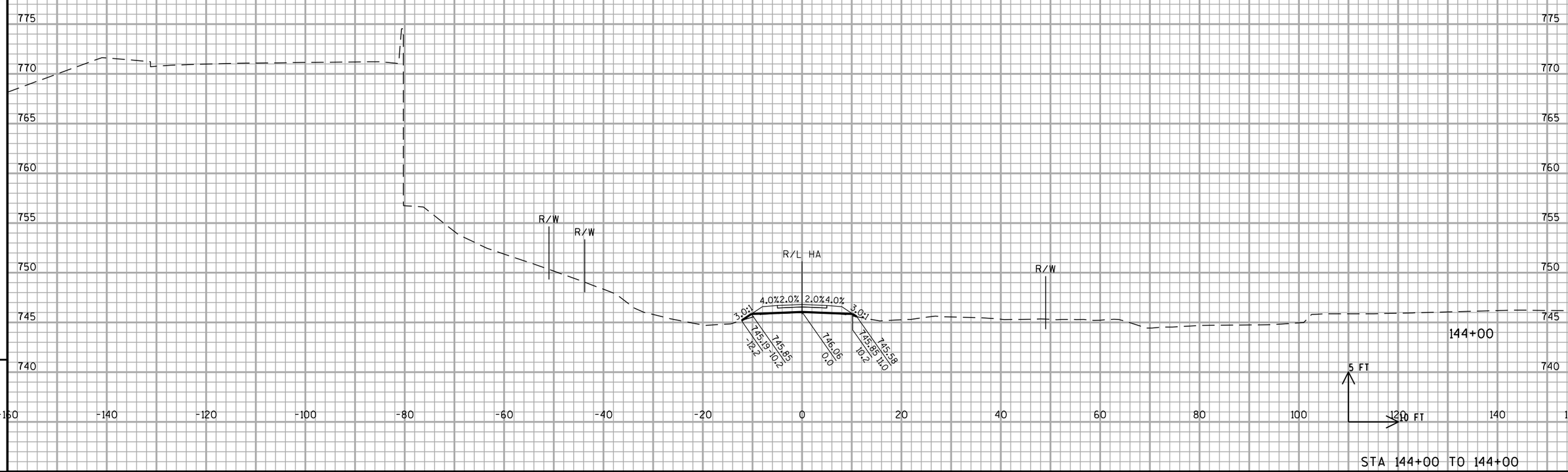
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha35 PLOT SCALE : 20:1

ALL WORK STAGE 8



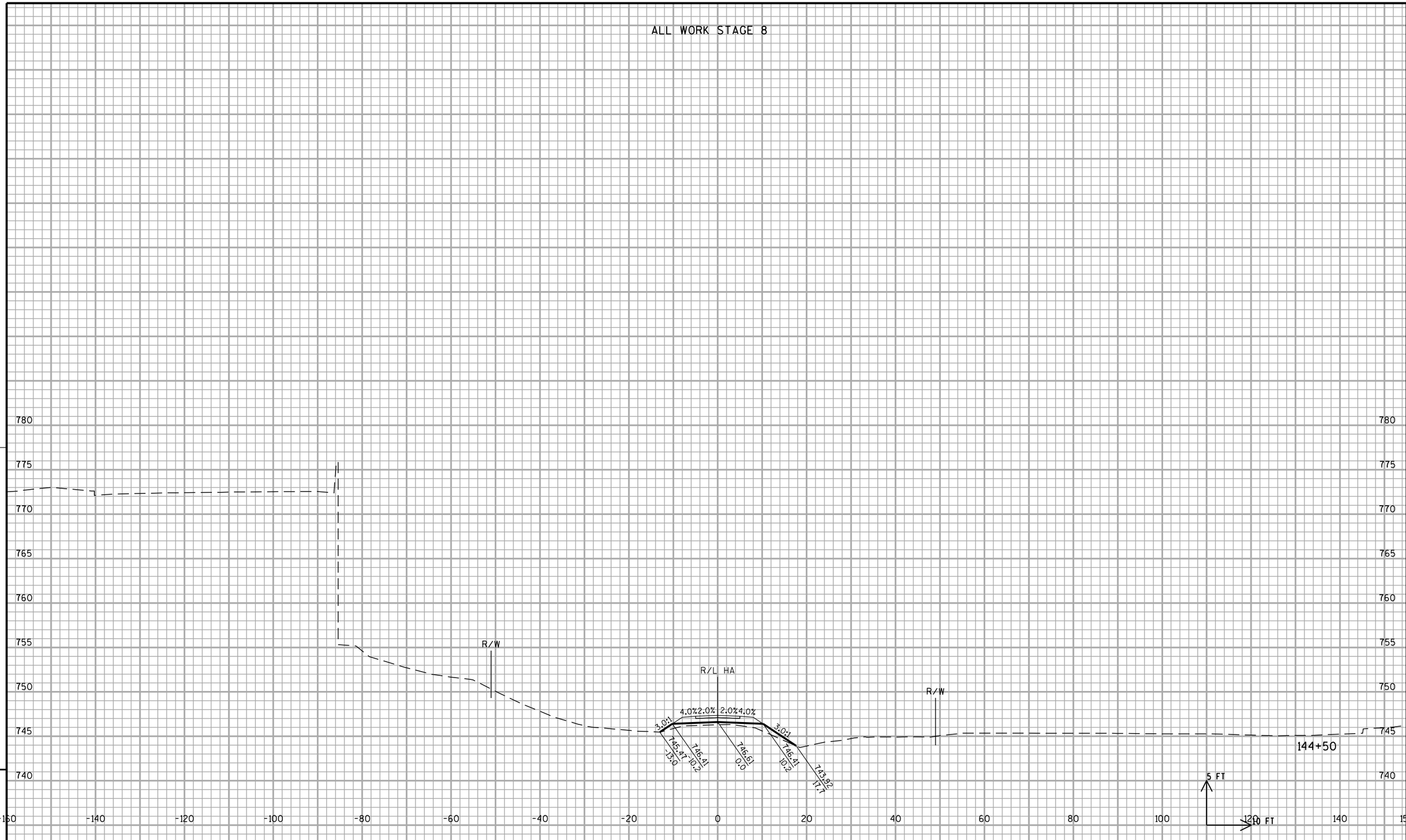
STA 144+00 TO 144+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha36 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



9

STA 144+50 TO 144+50

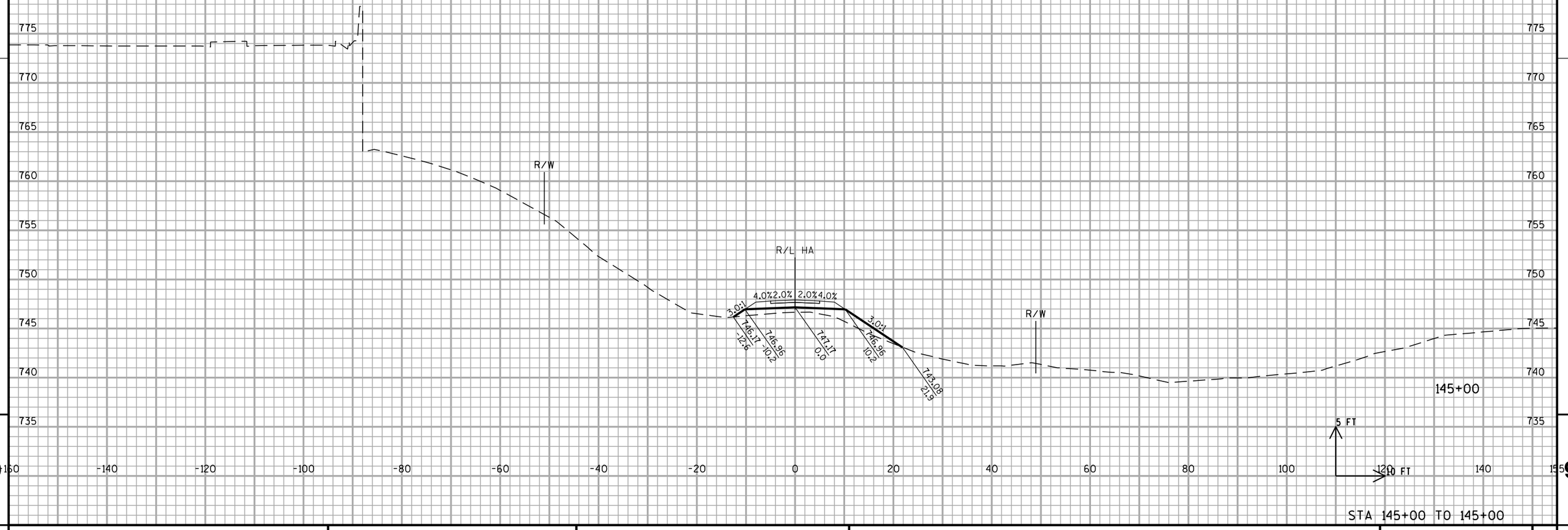
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha37 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



9

9

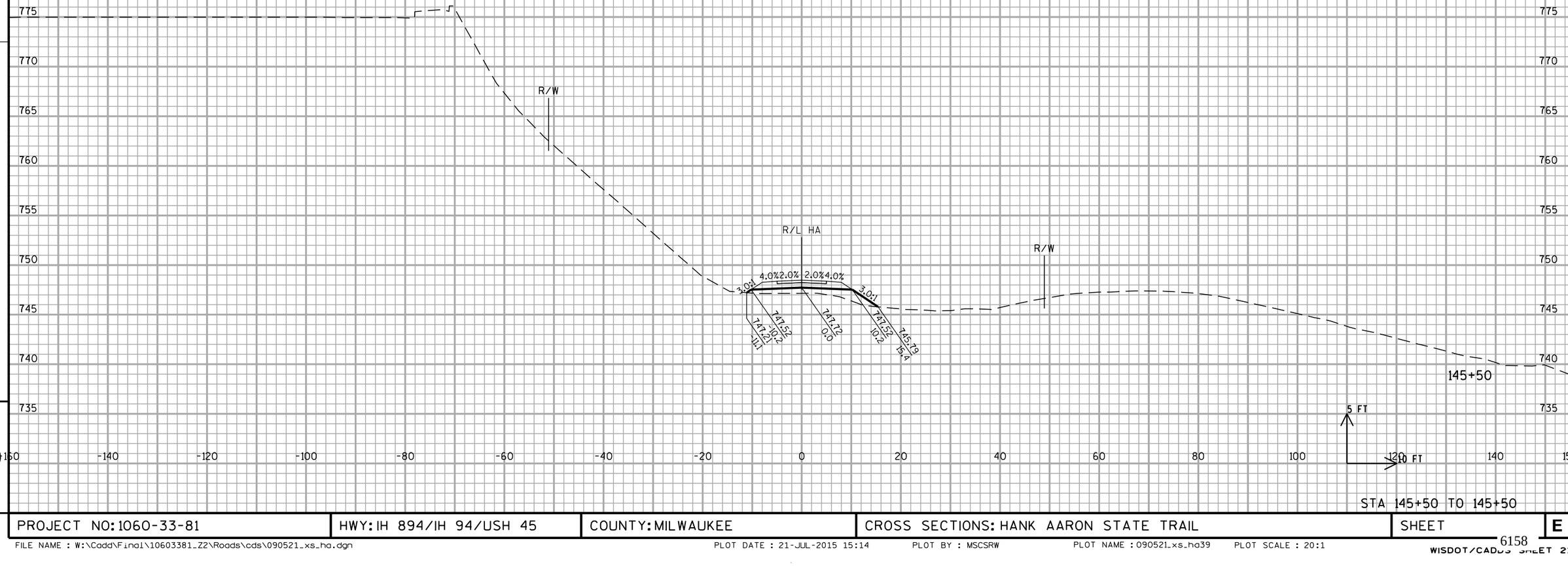
STA 145+00 TO 145+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha38 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



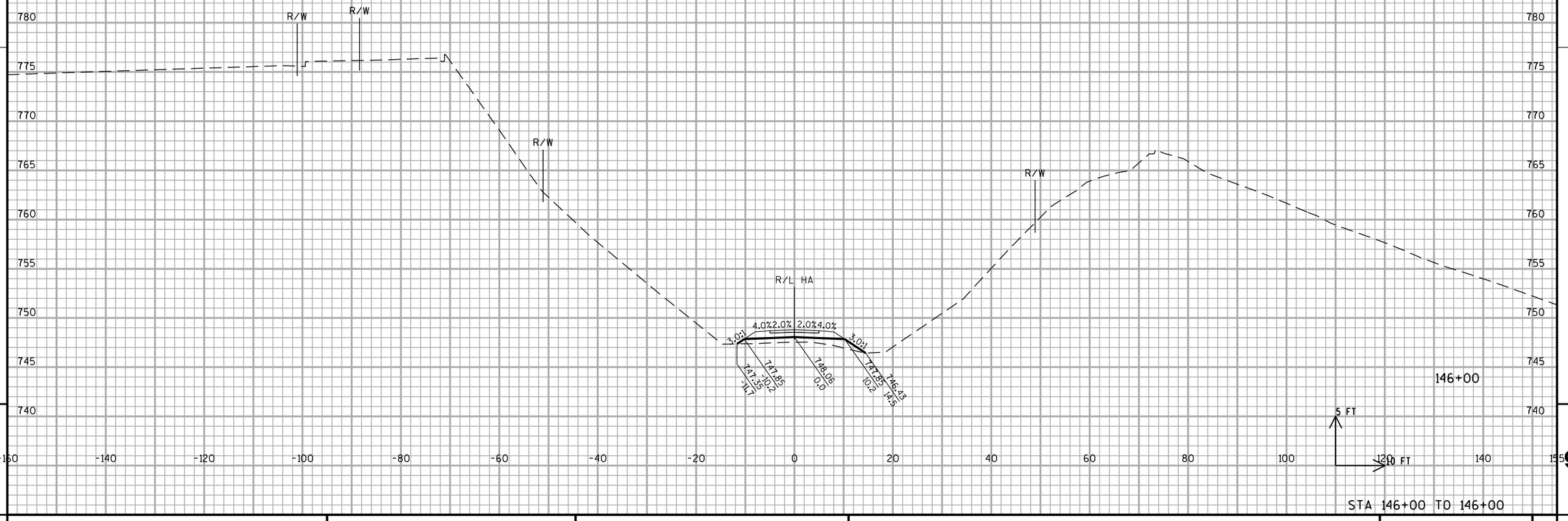
STA 145+50 TO 145+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha39 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

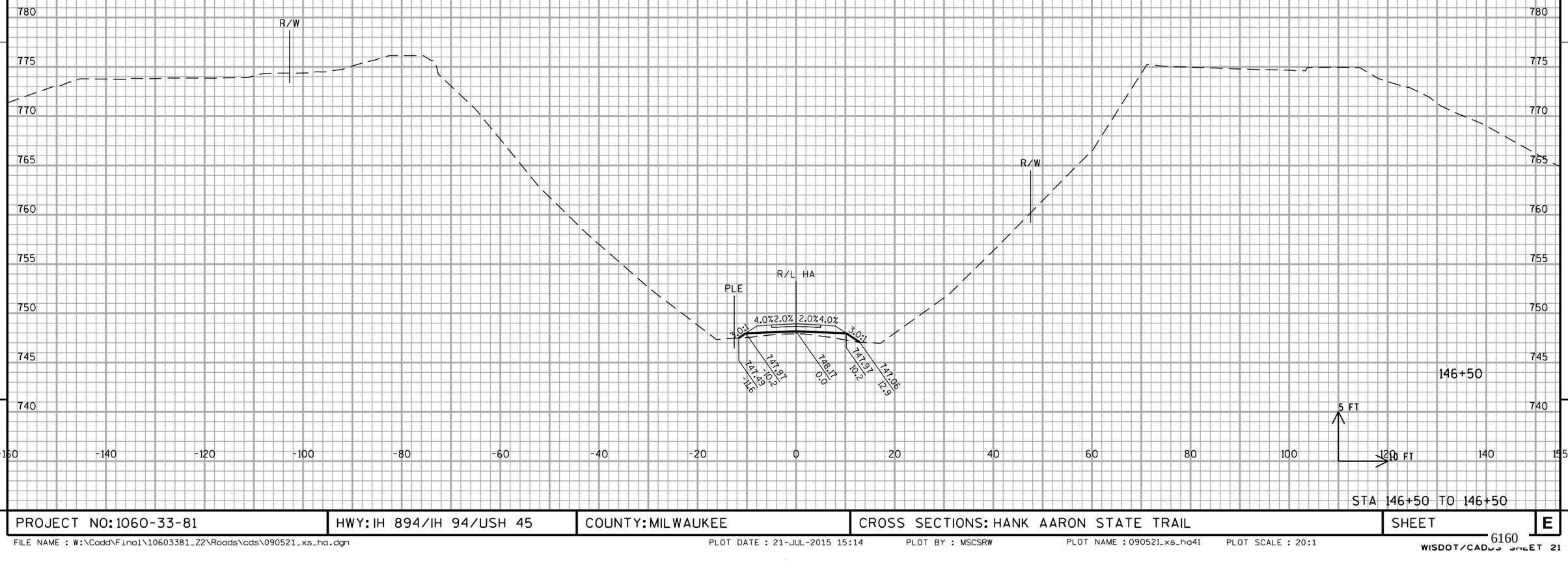


STA 146+00 TO 146+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha40 PLOT SCALE : 20:1

ALL WORK STAGE 8



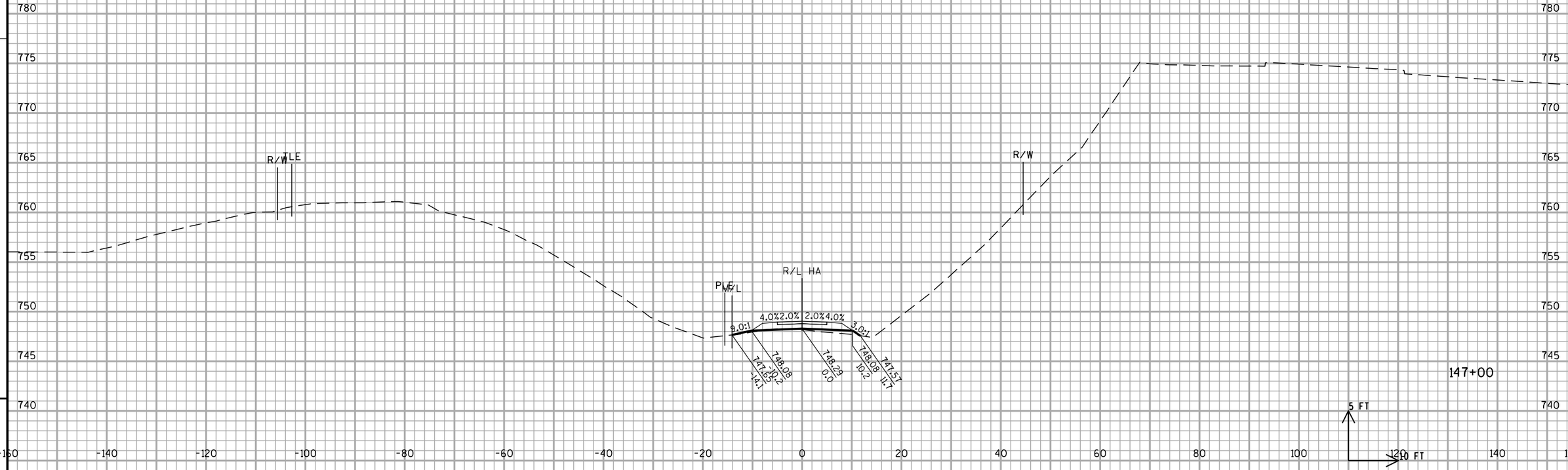
STA 146+50 TO 146+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha41 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

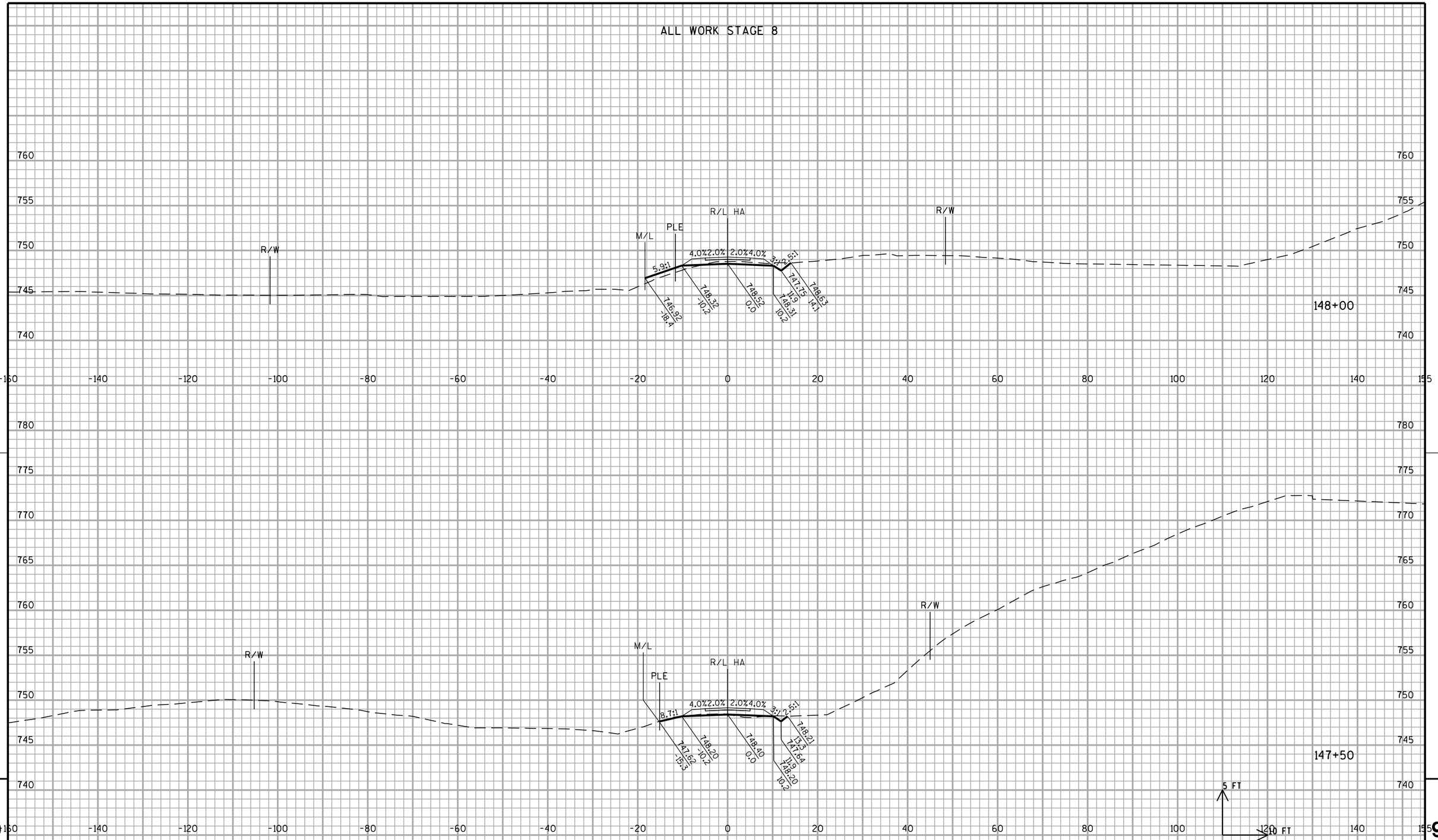


STA 147+00 TO 147+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha42 PLOT SCALE : 20:1

ALL WORK STAGE 8



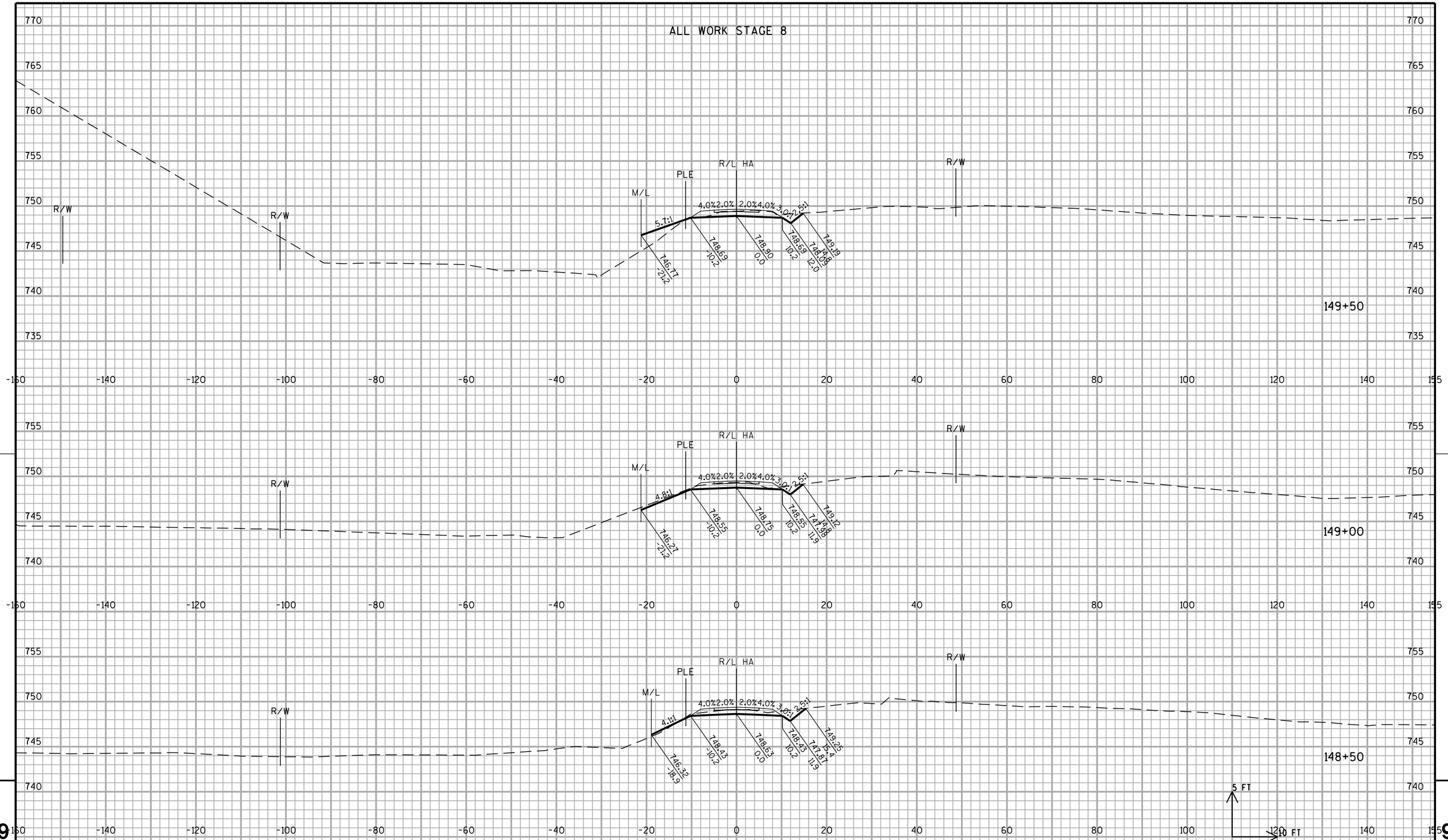
STA 147+50 TO 148+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha43 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



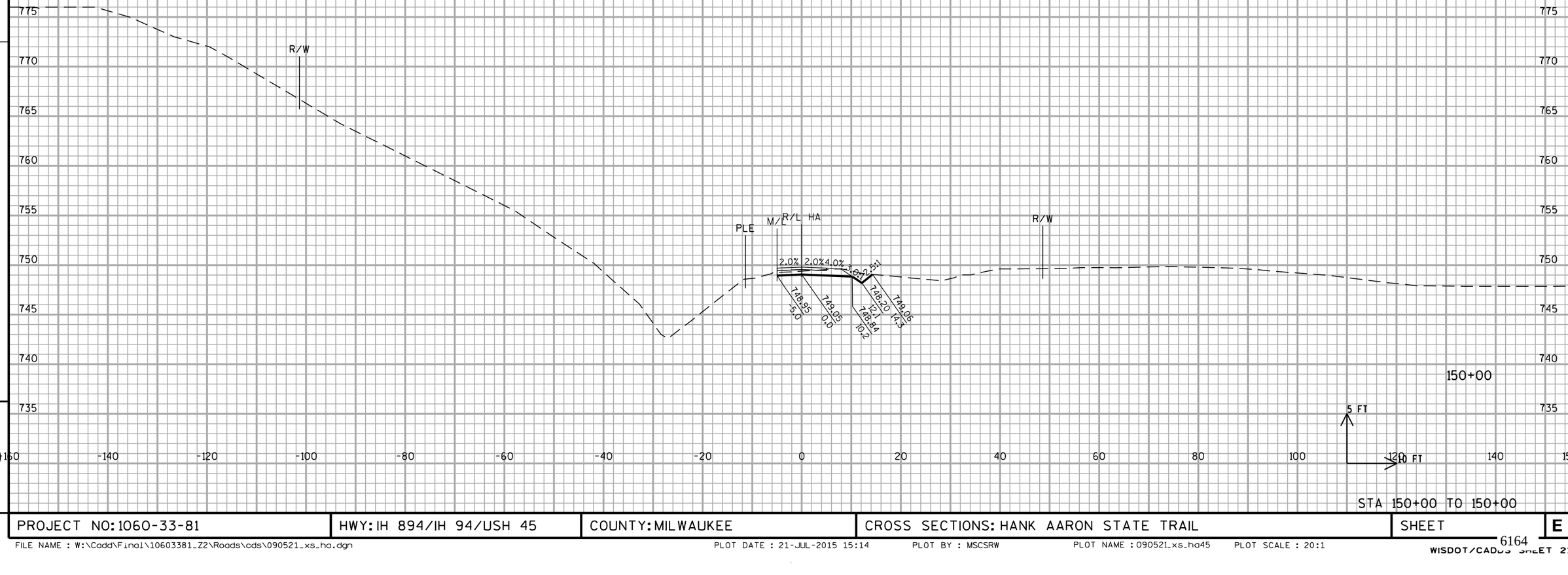
STA 148+50 TO 149+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha44 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

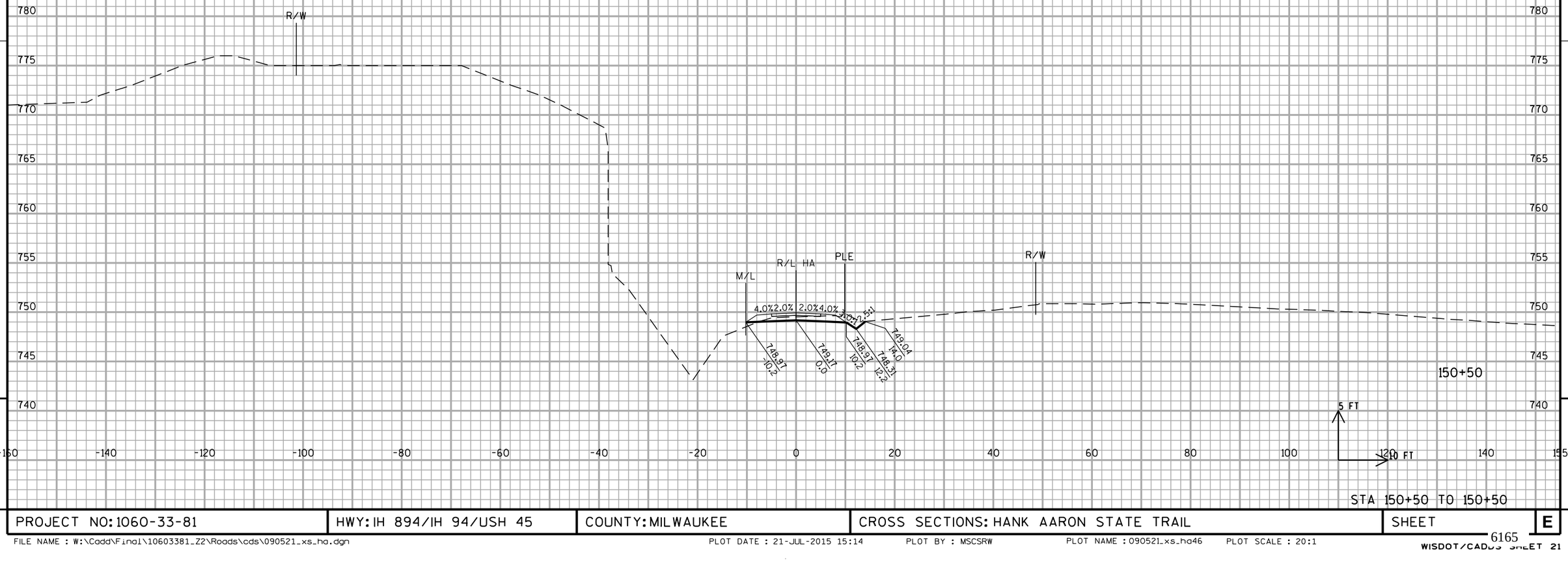
ALL WORK STAGE 8



STA 150+00 TO 150+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



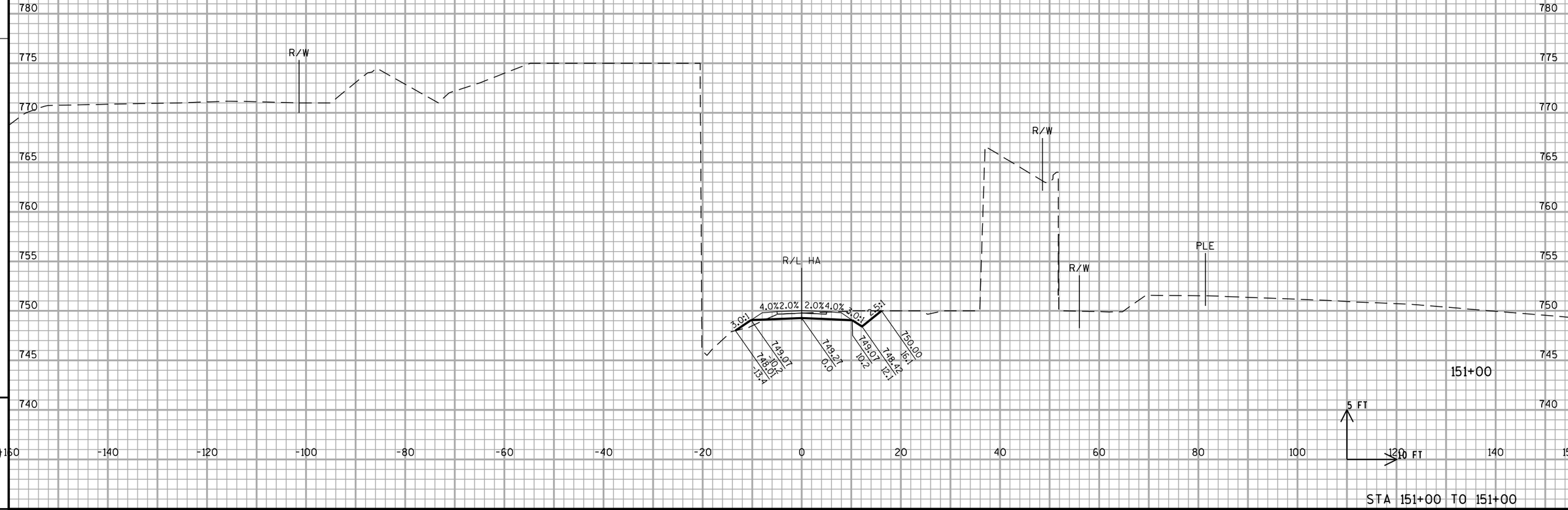
STA 150+50 TO 150+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha46 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



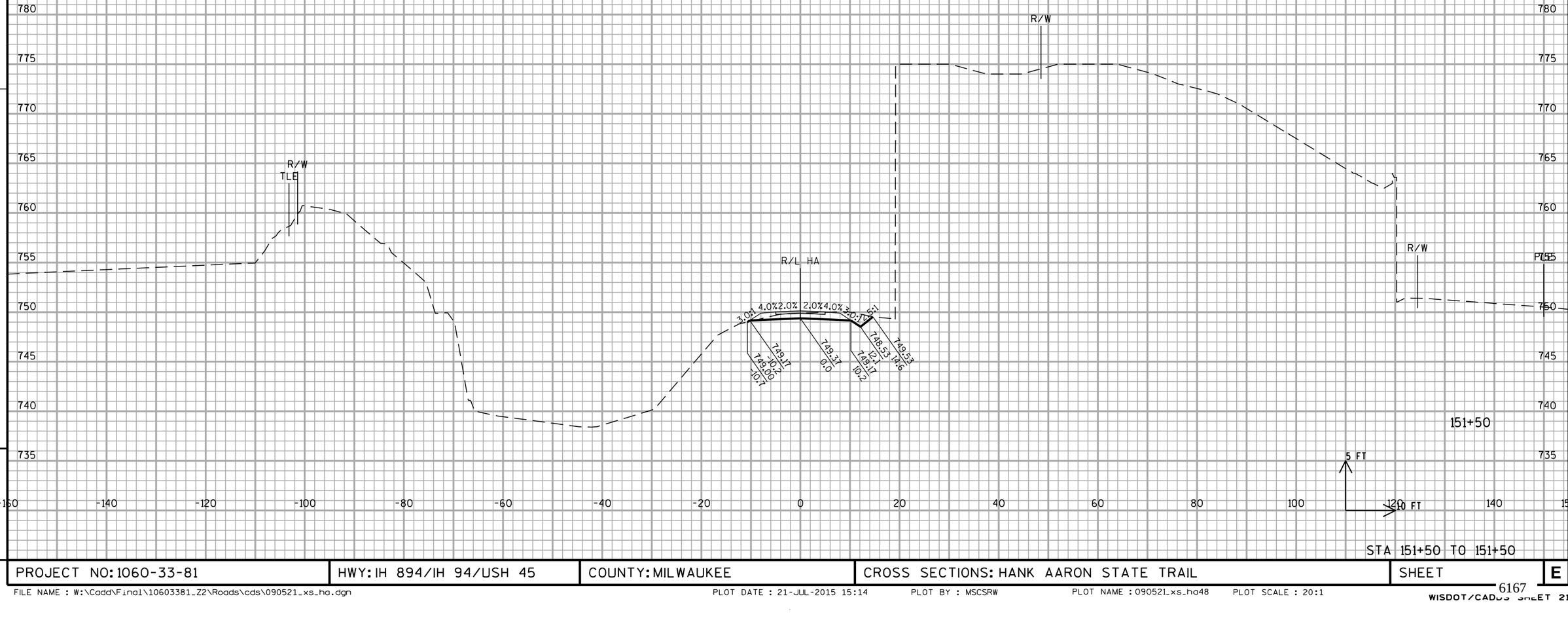
STA 151+00 TO 151+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha47 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

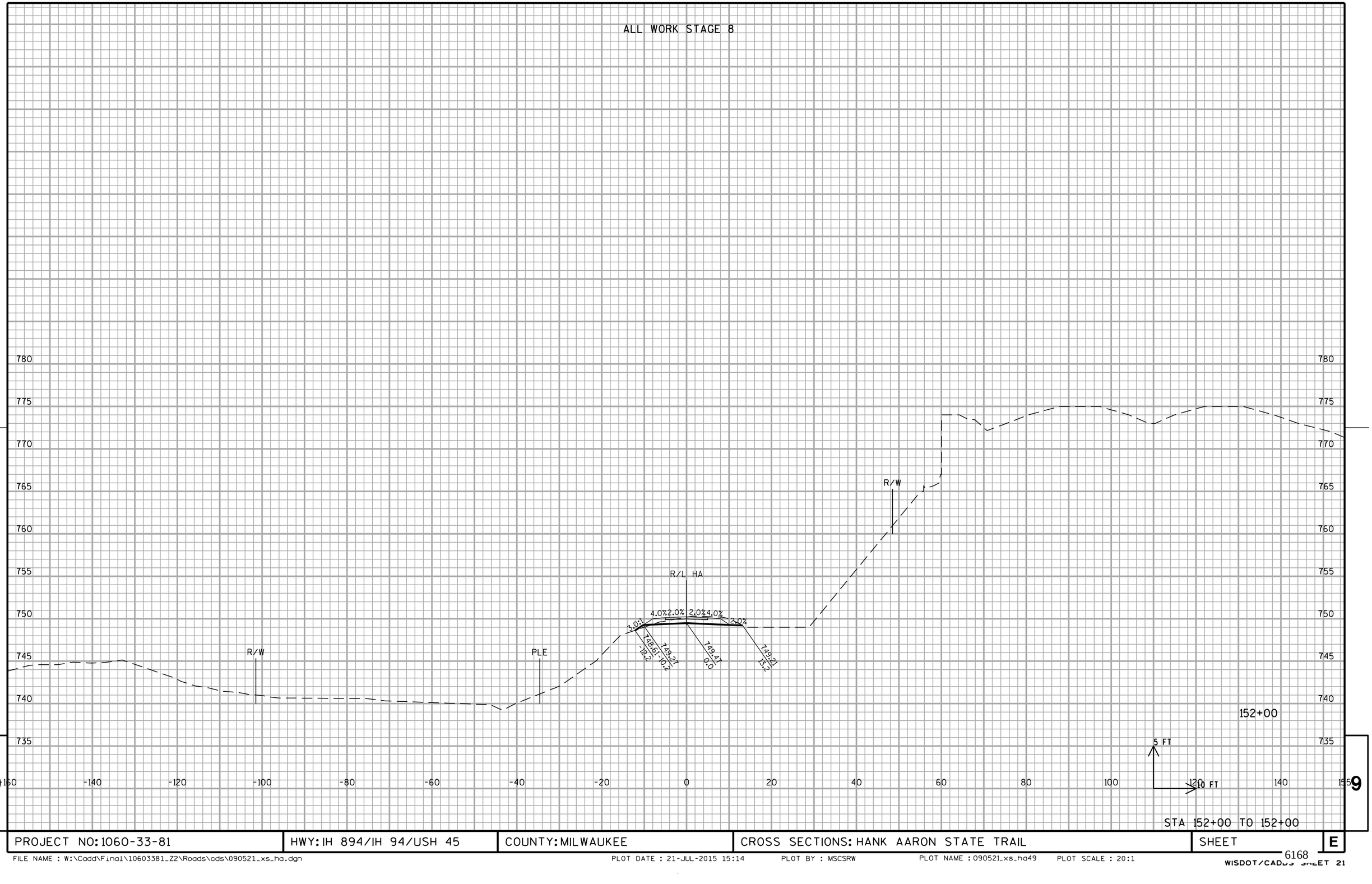
ALL WORK STAGE 8



STA 151+50 TO 151+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

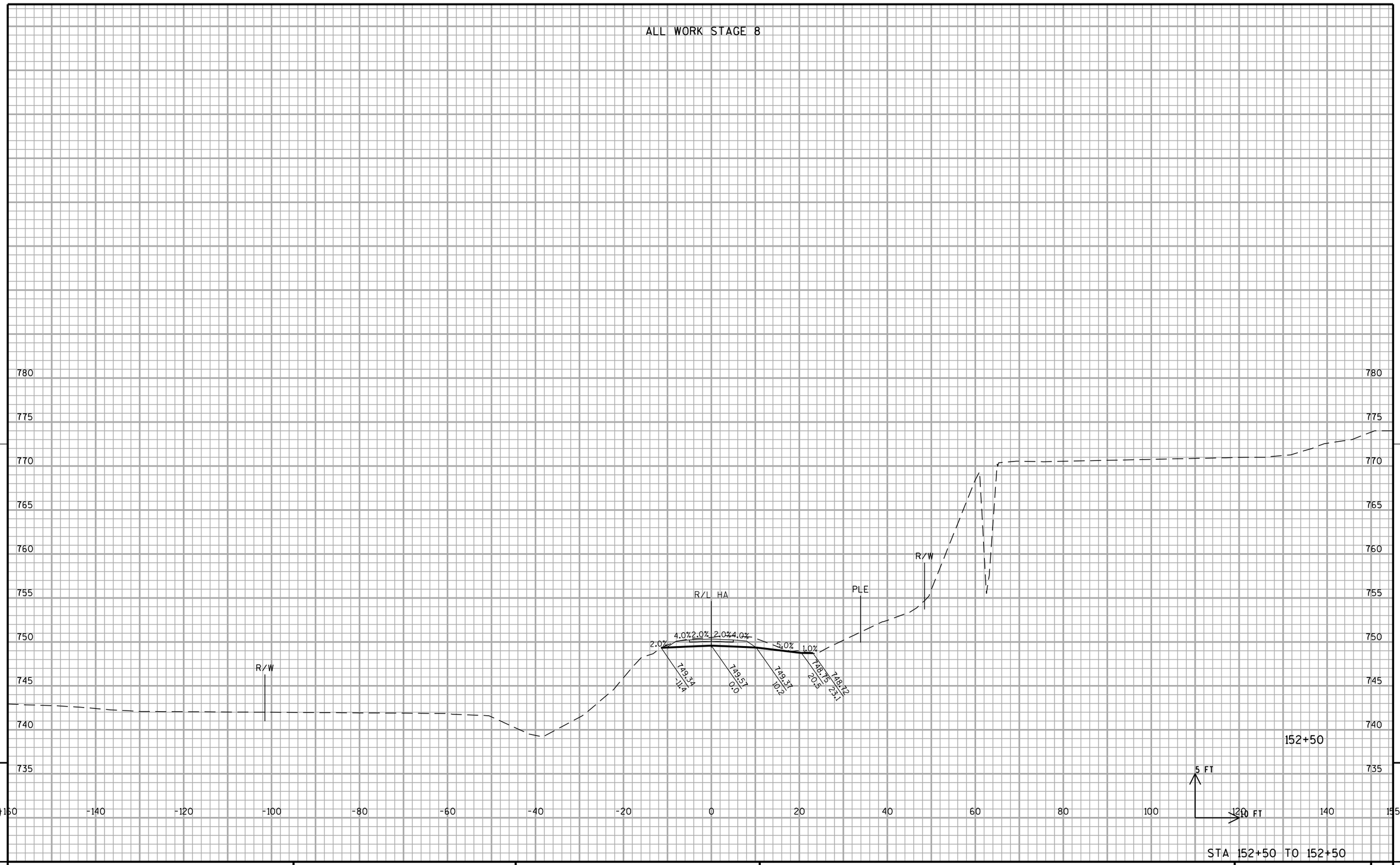
ALL WORK STAGE 8



STA 152+00 TO 152+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

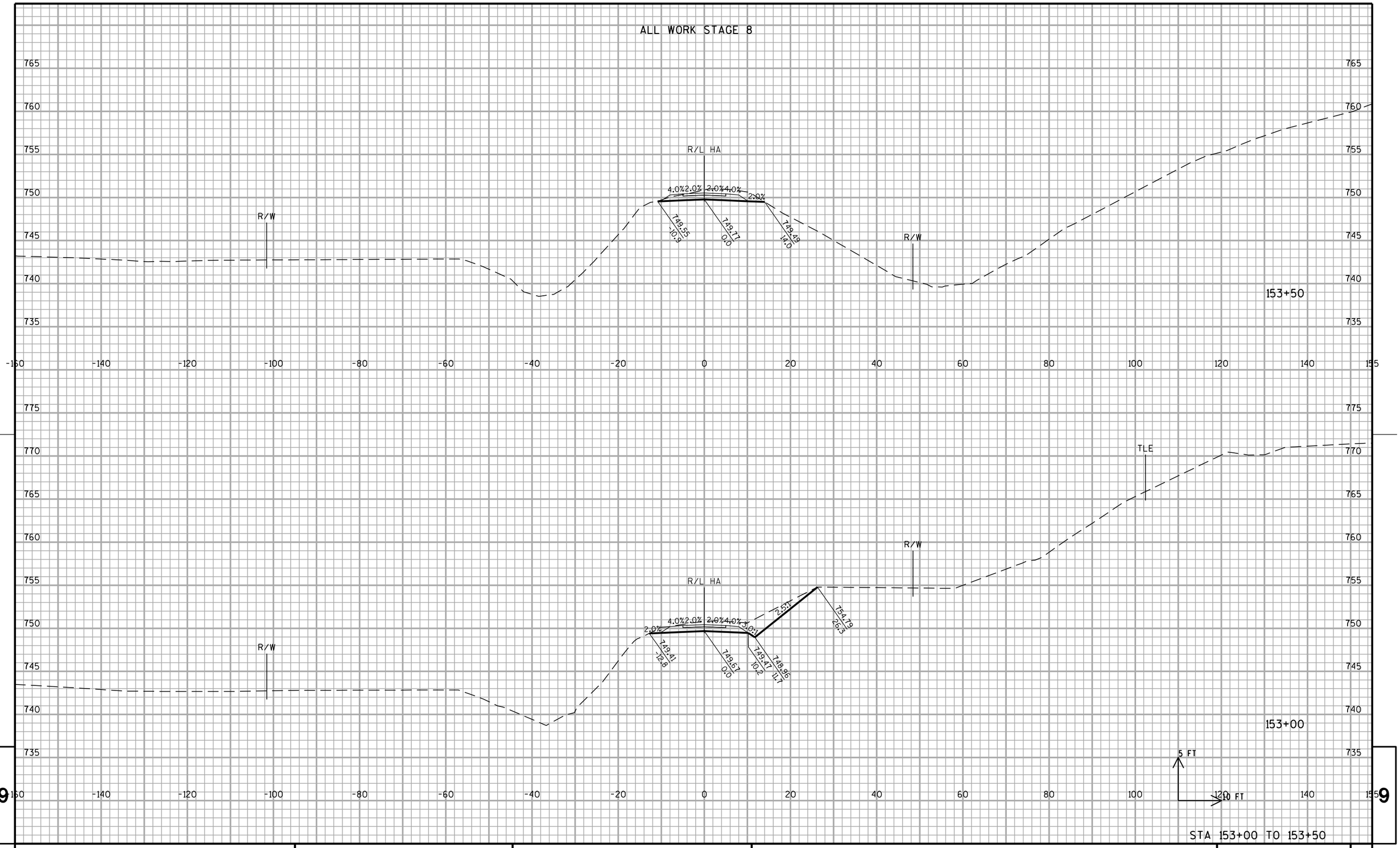
STA 152+50 TO 152+50

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha50 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

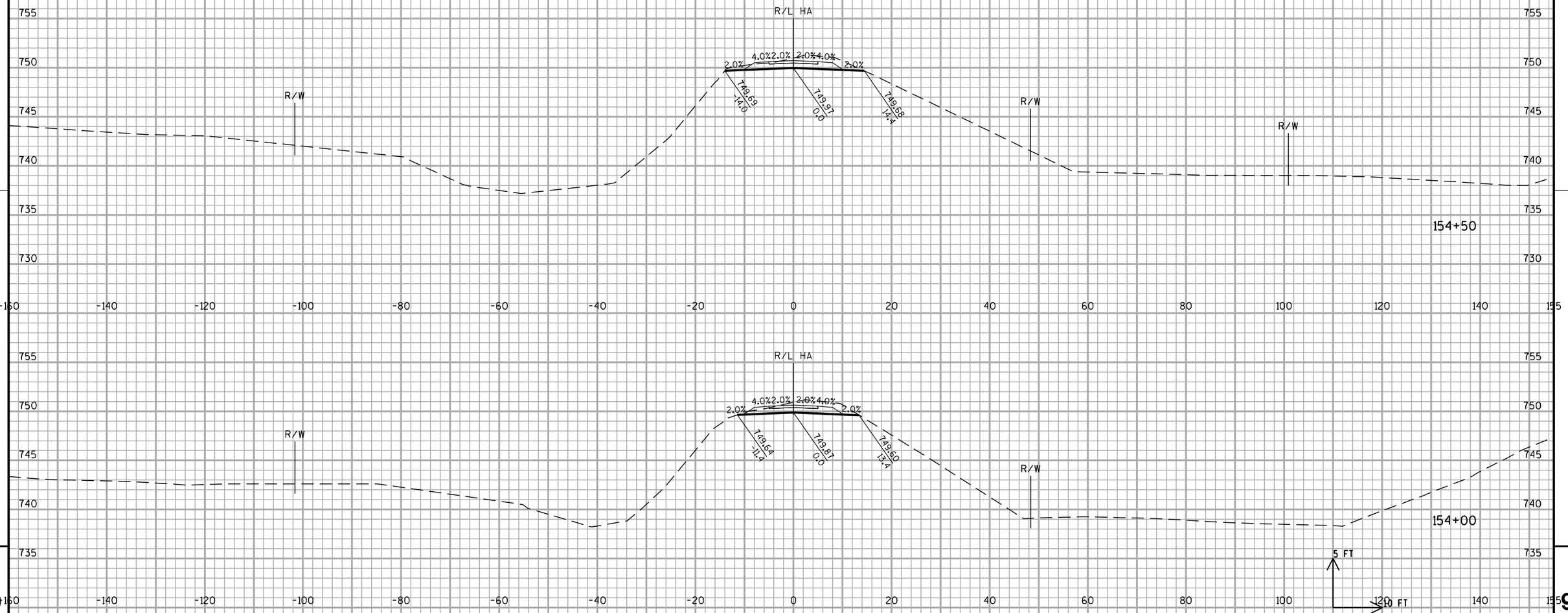


STA 153+00 TO 153+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha51 PLOT SCALE : 20:1

ALL WORK STAGE 8

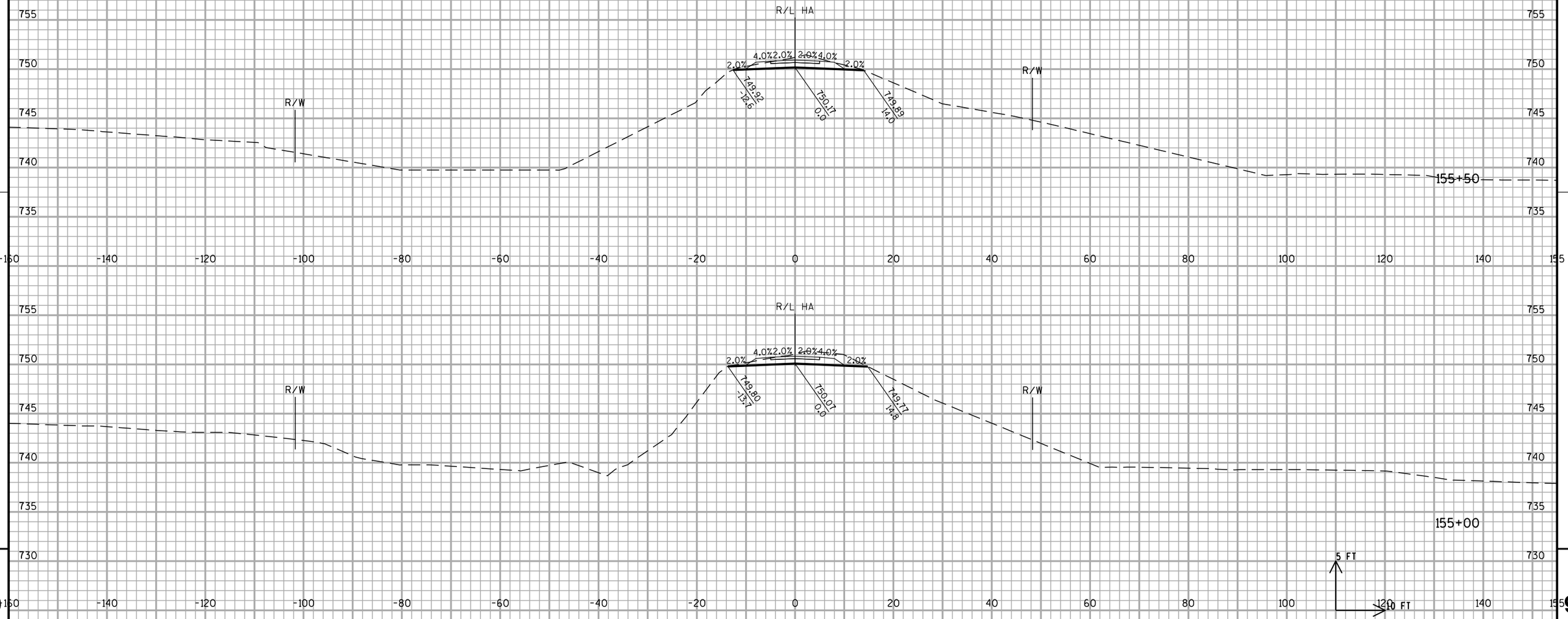


STA 154+00 TO 154+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha52 PLOT SCALE : 20:1

ALL WORK STAGE 8

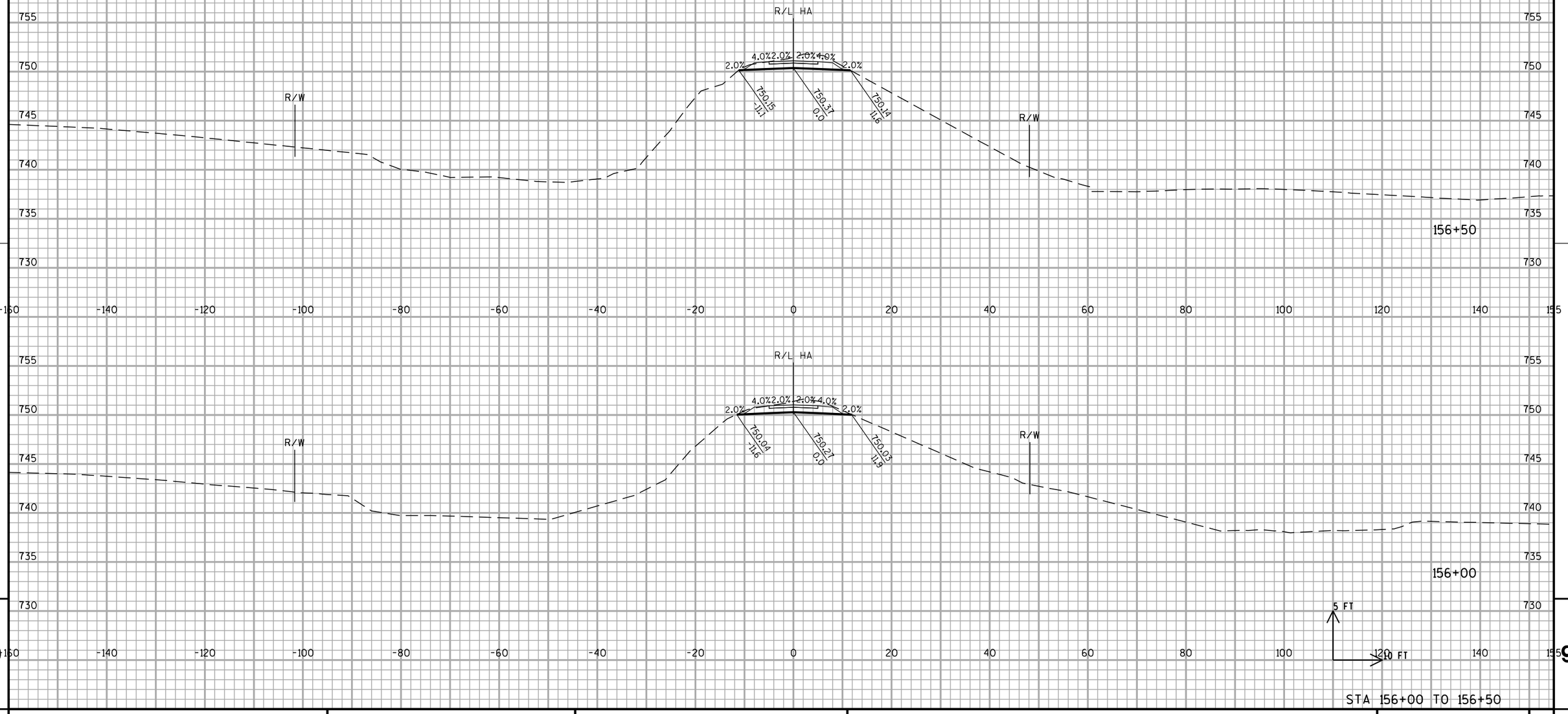


STA 155+00 TO 155+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha53 PLOT SCALE : 20:1

ALL WORK STAGE 8



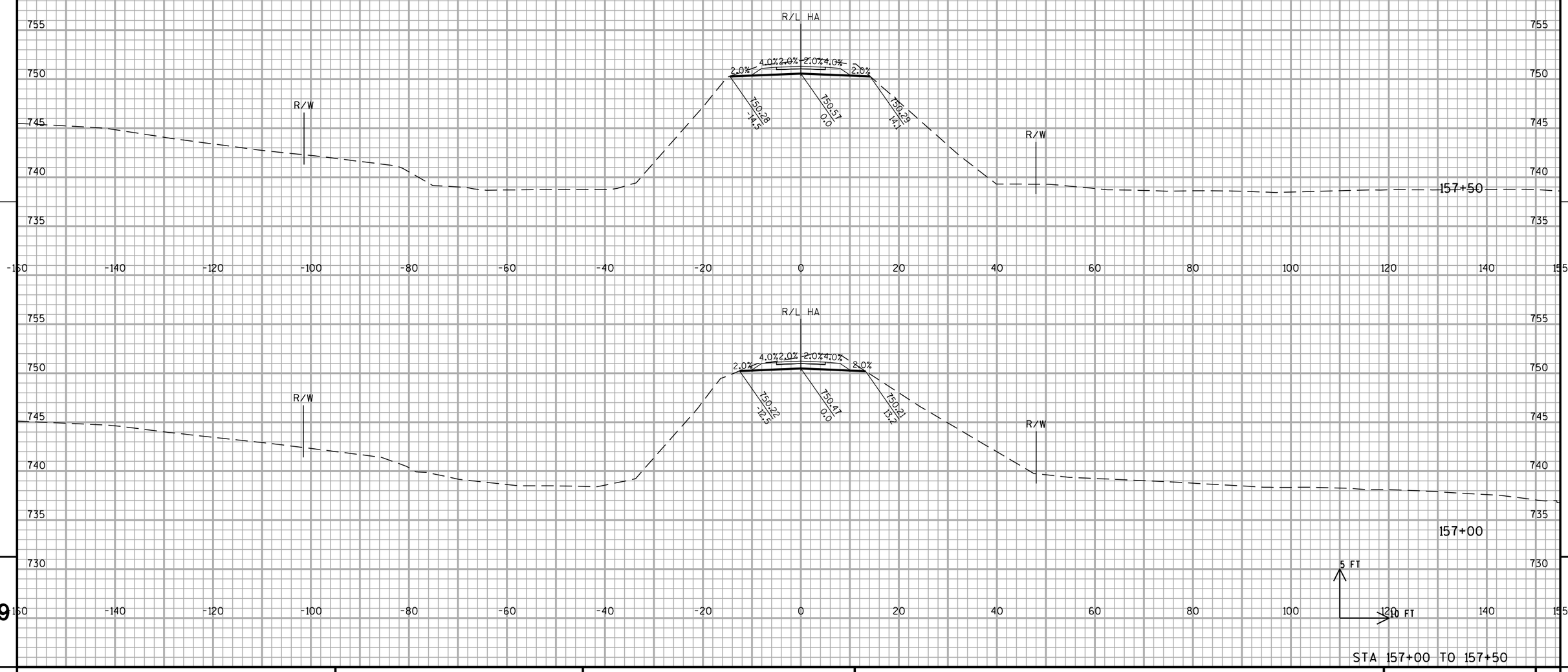
STA 156+00 TO 156+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha54 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

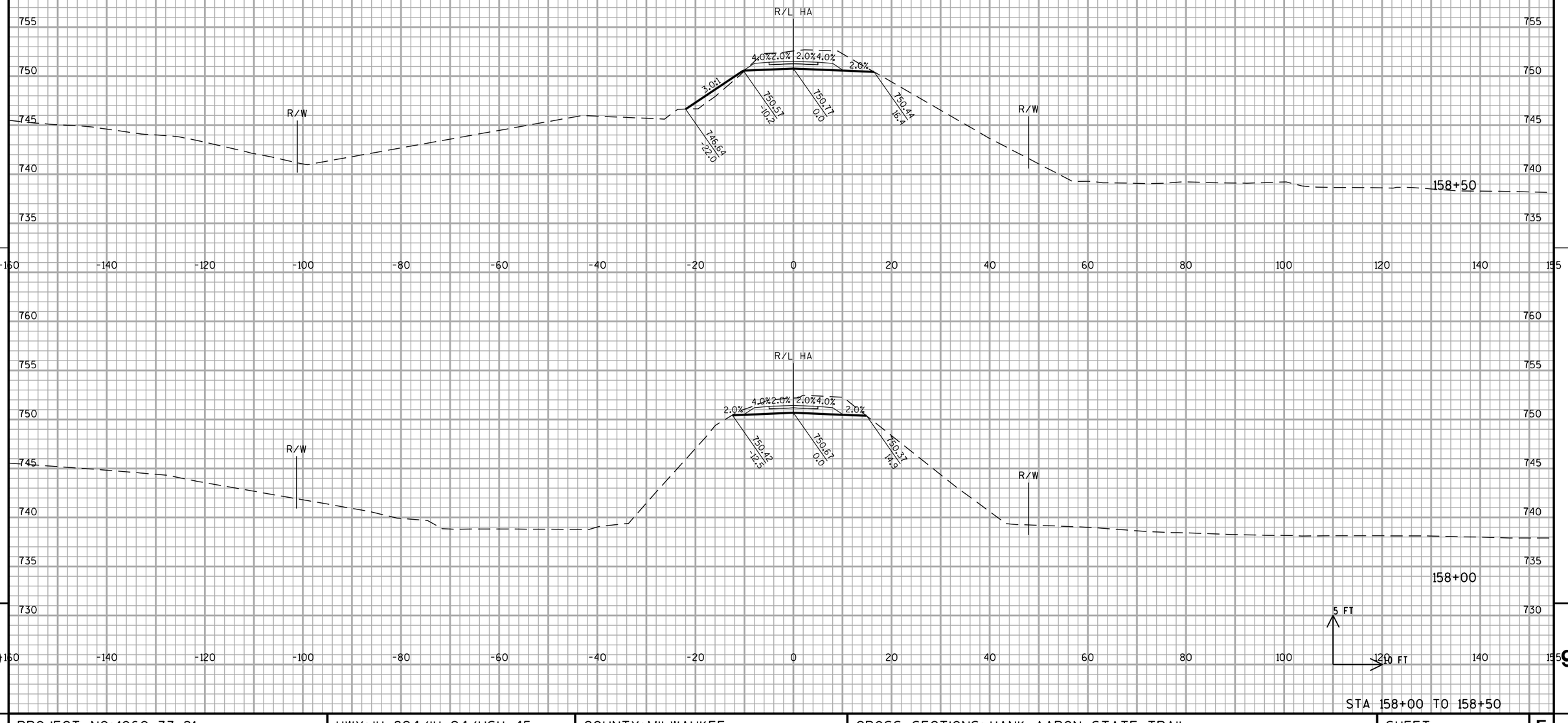


STA 157+00 TO 157+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha55 PLOT SCALE : 20:1

ALL WORK STAGE 8

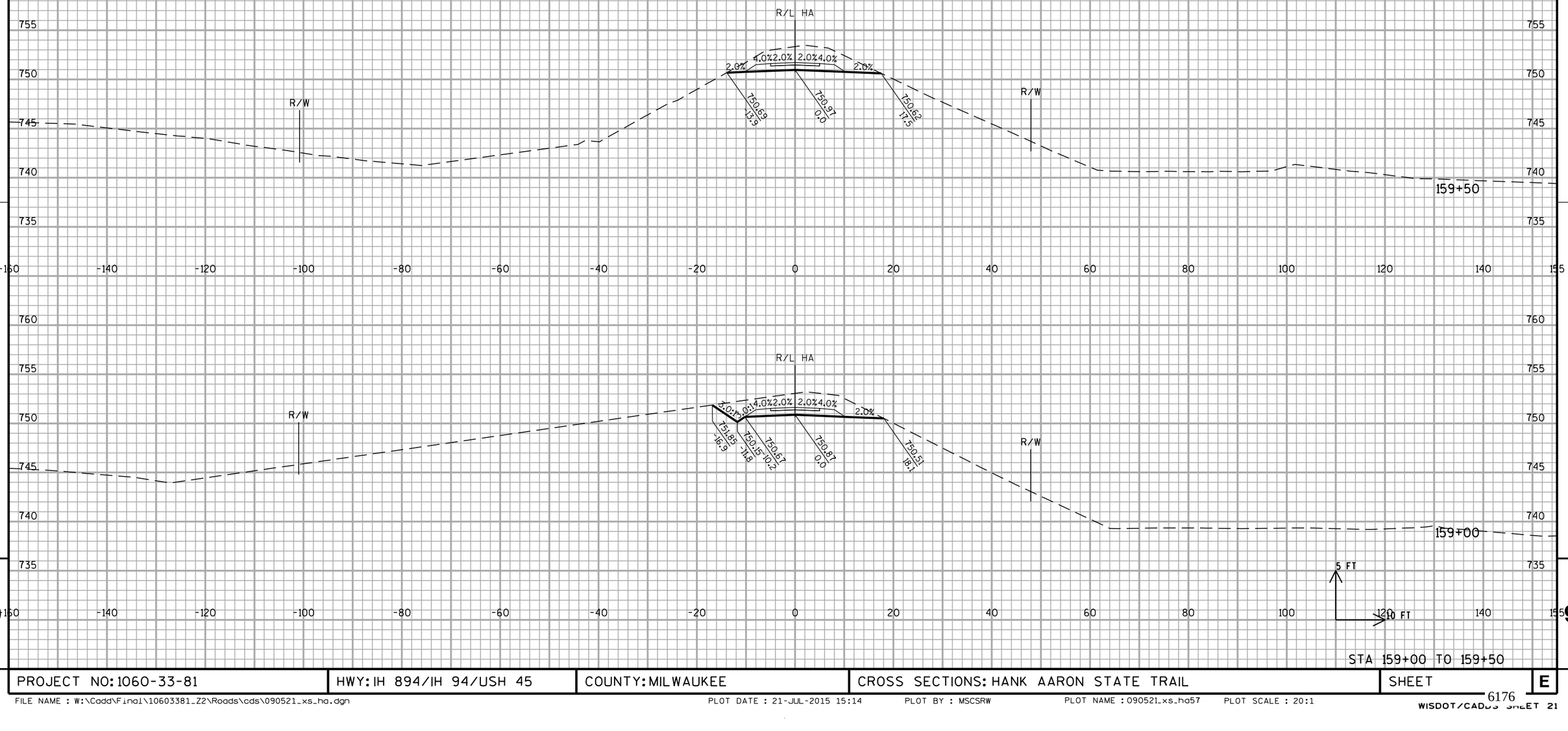


STA 158+00 TO 158+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha56 PLOT SCALE : 20:1

ALL WORK STAGE 8



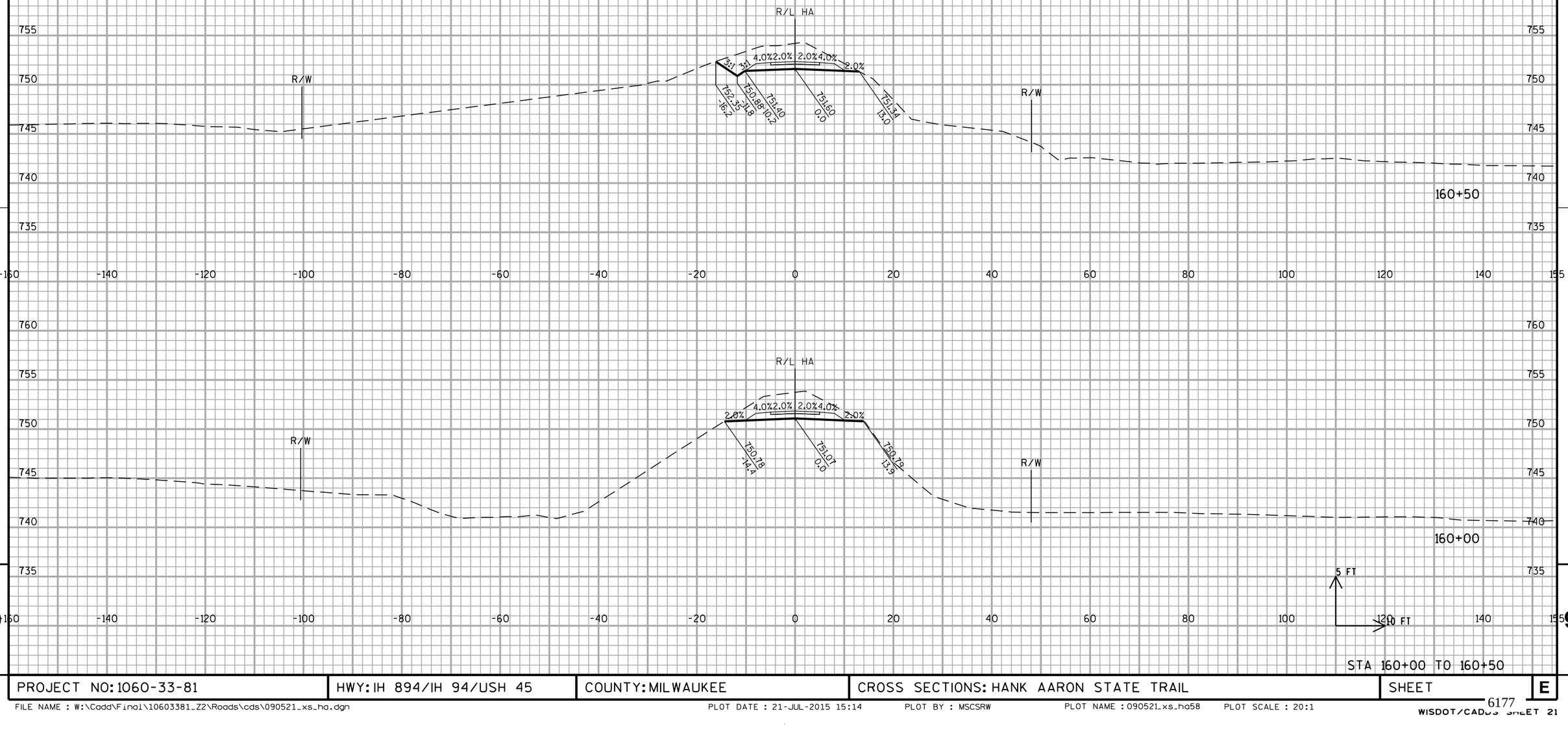
STA 159+00 TO 159+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha57 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



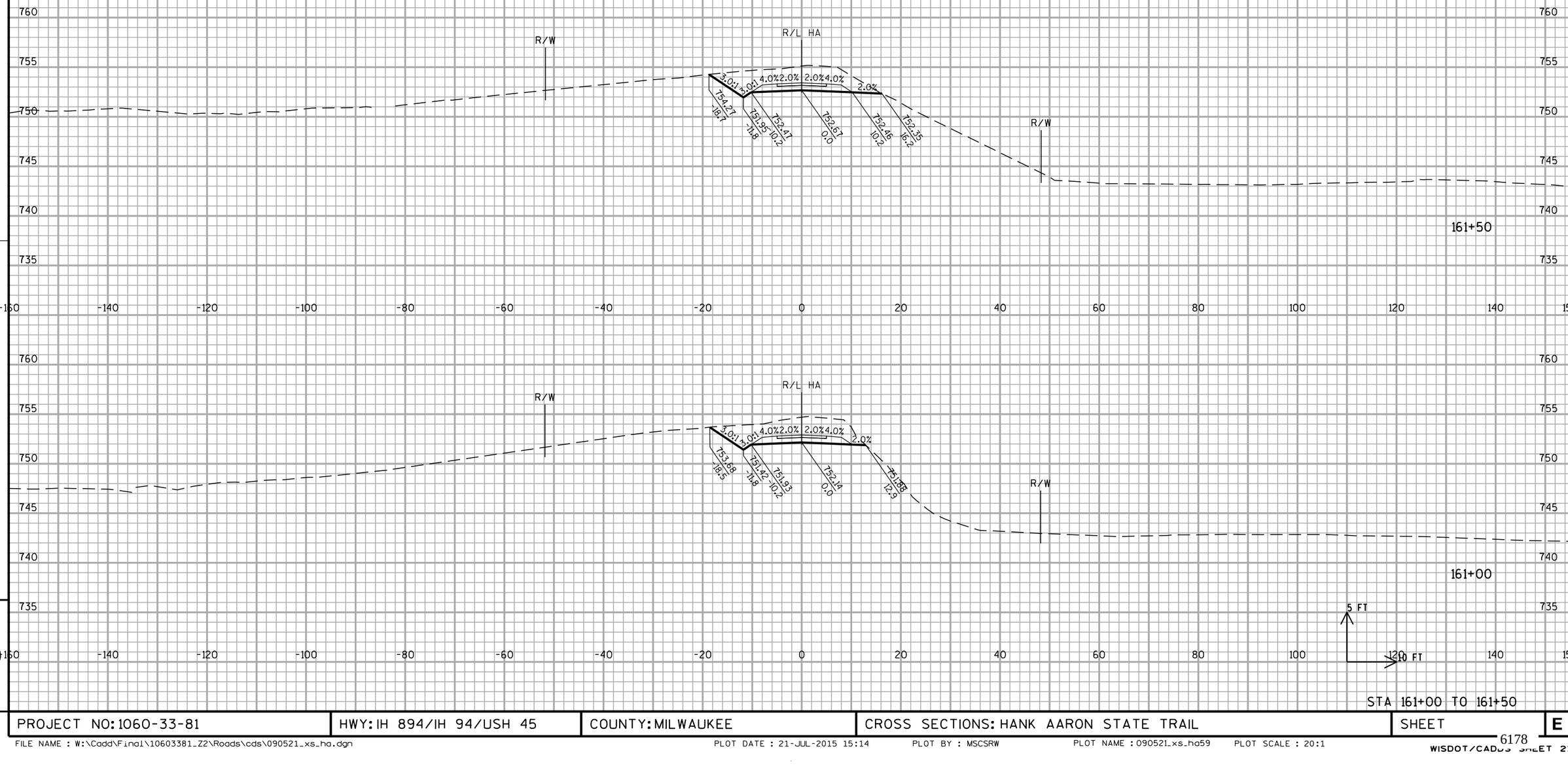
9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha58 PLOT SCALE : 20:1

ALL WORK STAGE 8



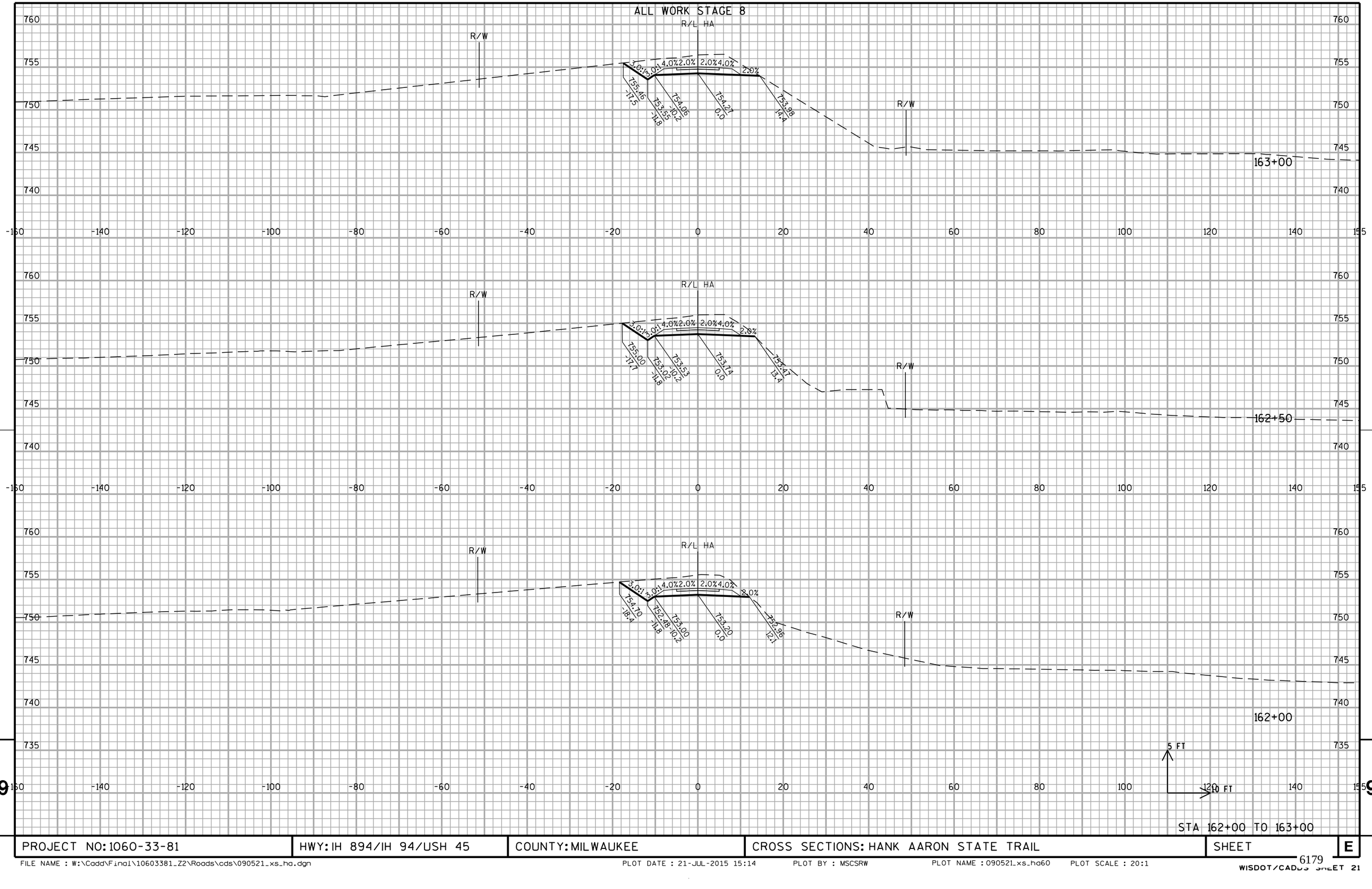
STA 161+00 TO 161+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha59 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



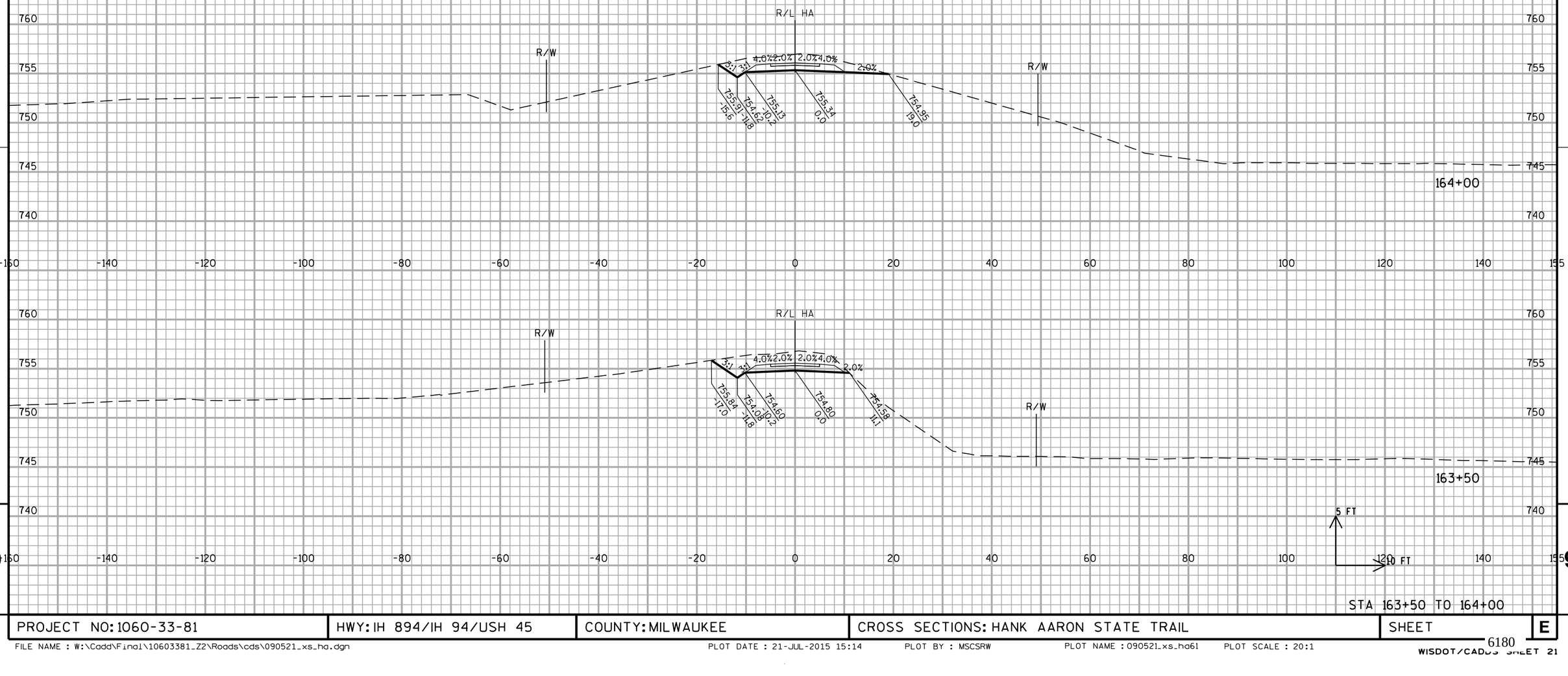
STA 162+00 TO 163+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha60 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



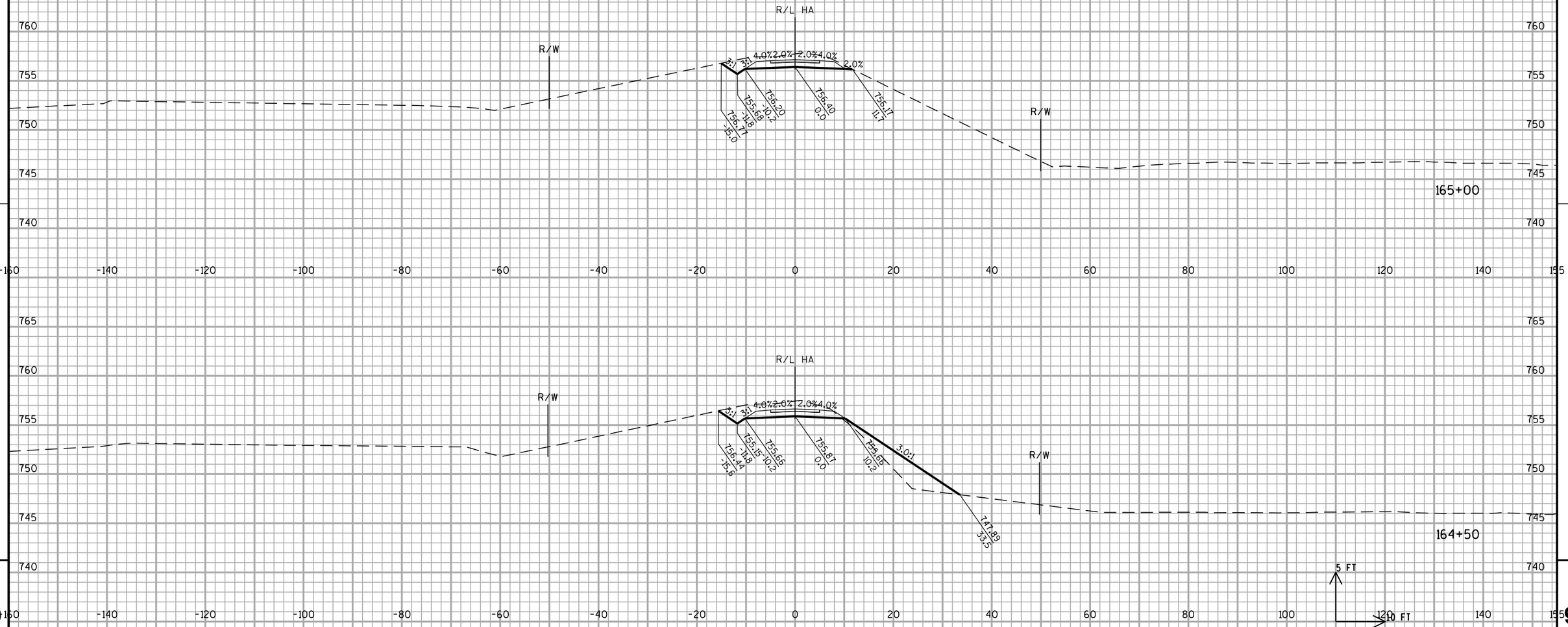
STA 163+50 TO 164+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha61 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

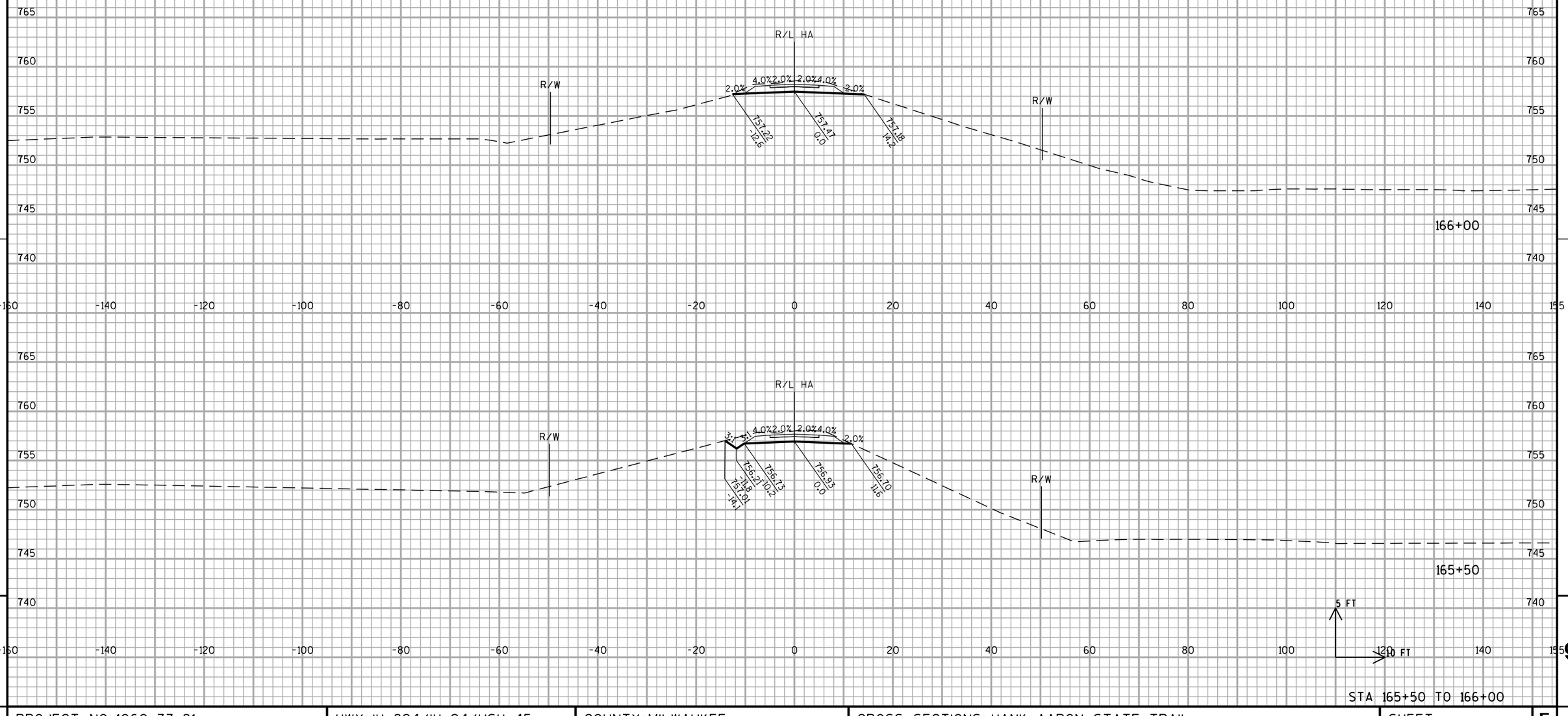


STA 164+50 TO 165+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha62 PLOT SCALE : 20:1

ALL WORK STAGE 8

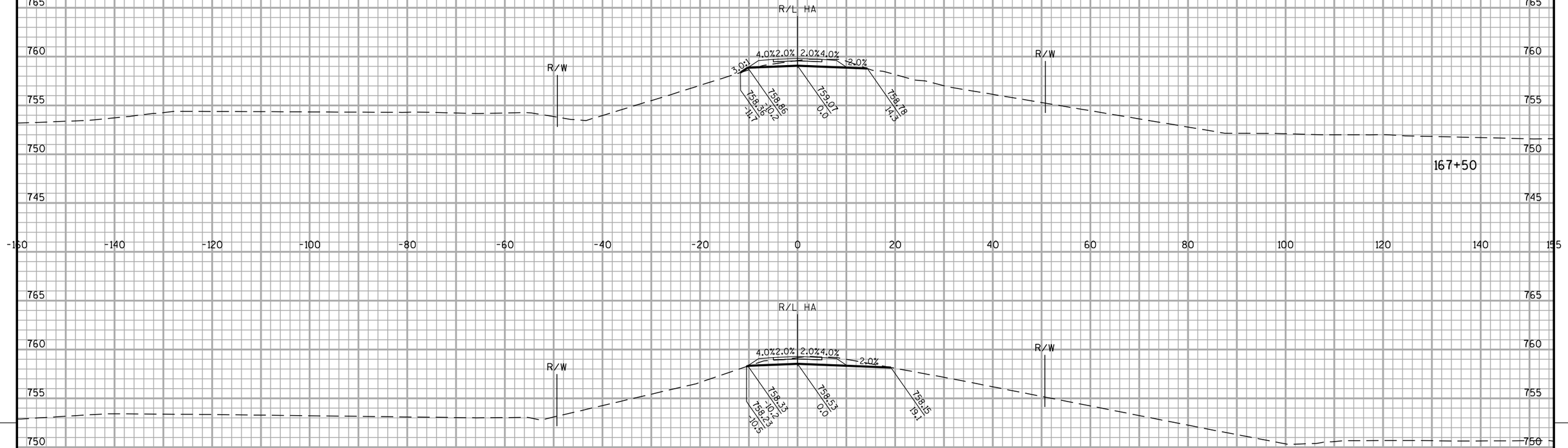


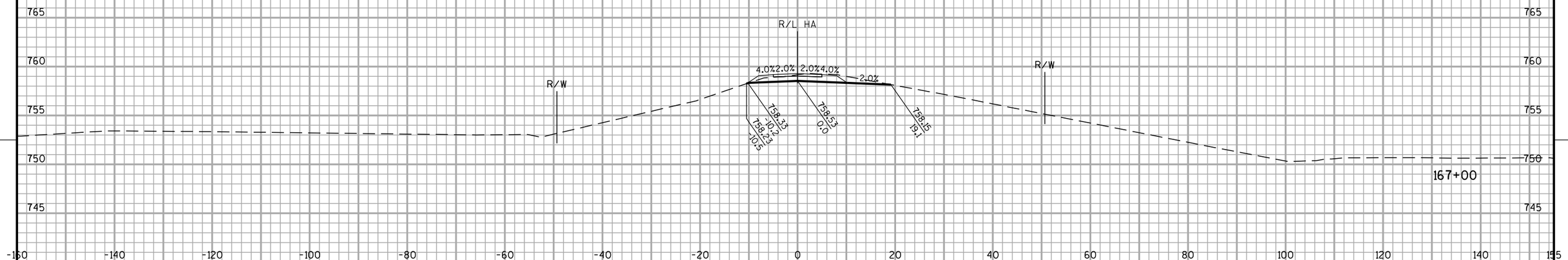
STA 165+50 TO 166+00

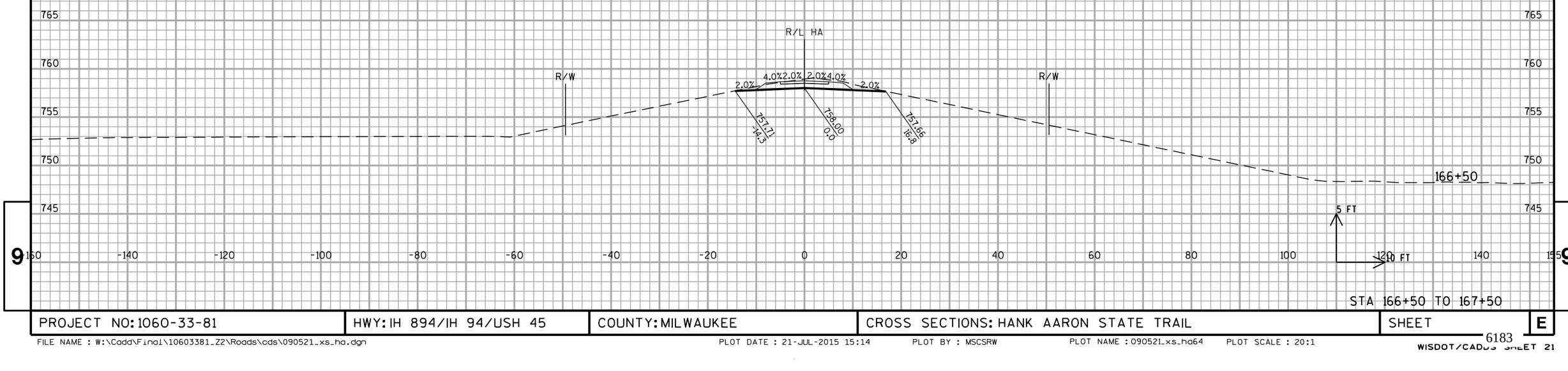
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha63 PLOT SCALE : 20:1

ALL WORK STAGE 8







STA 166+50 TO 167+50

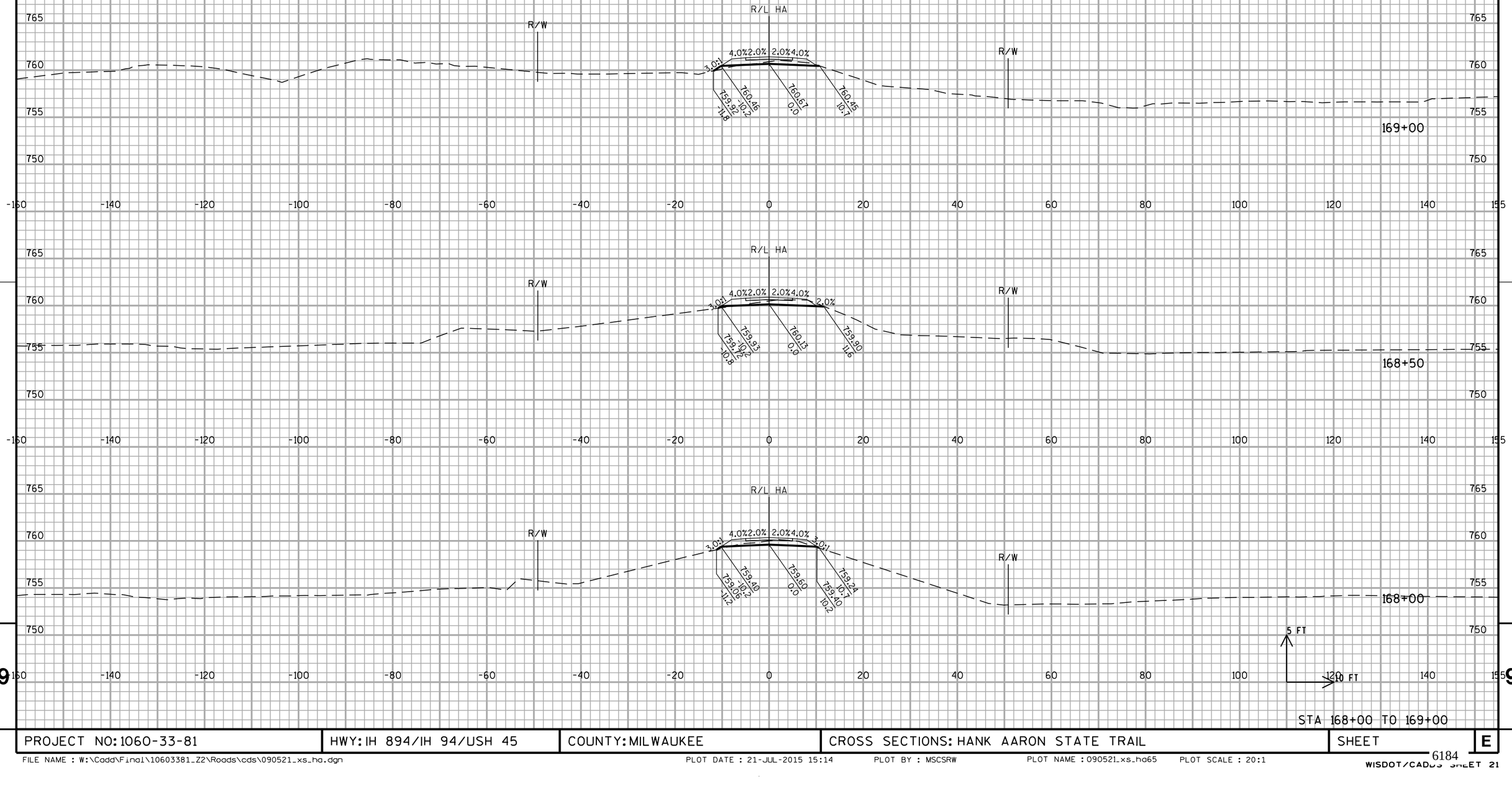
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha64 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



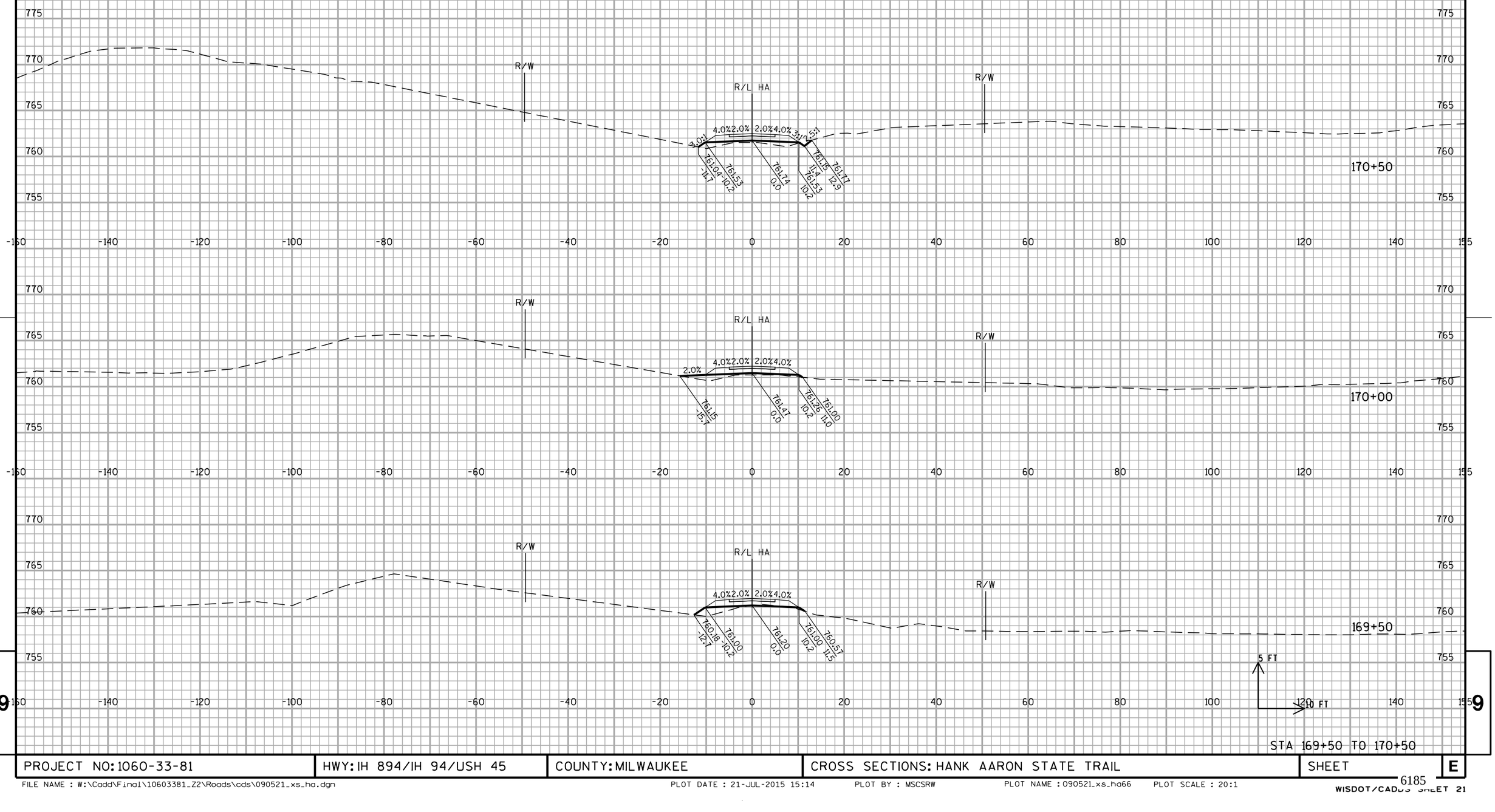
STA 168+00 TO 169+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha65 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



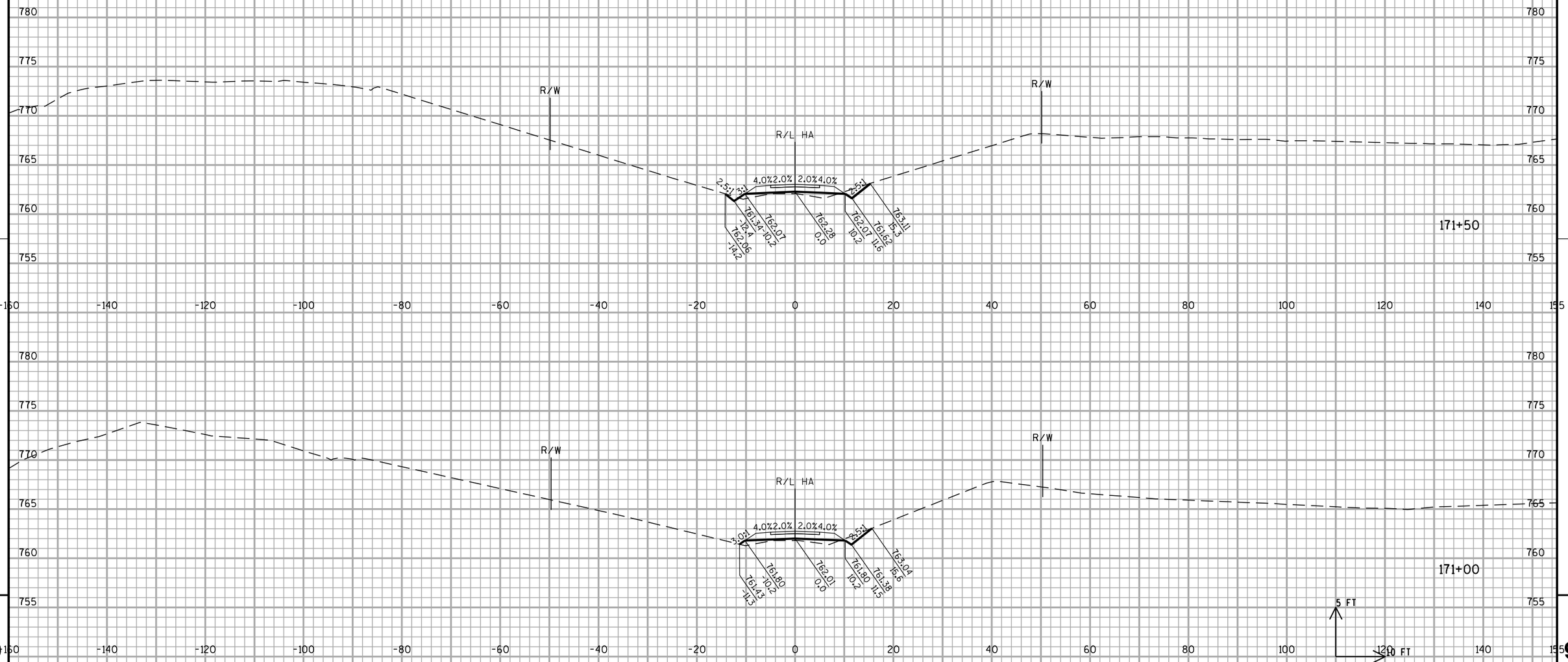
STA 169+50 TO 170+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha66 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

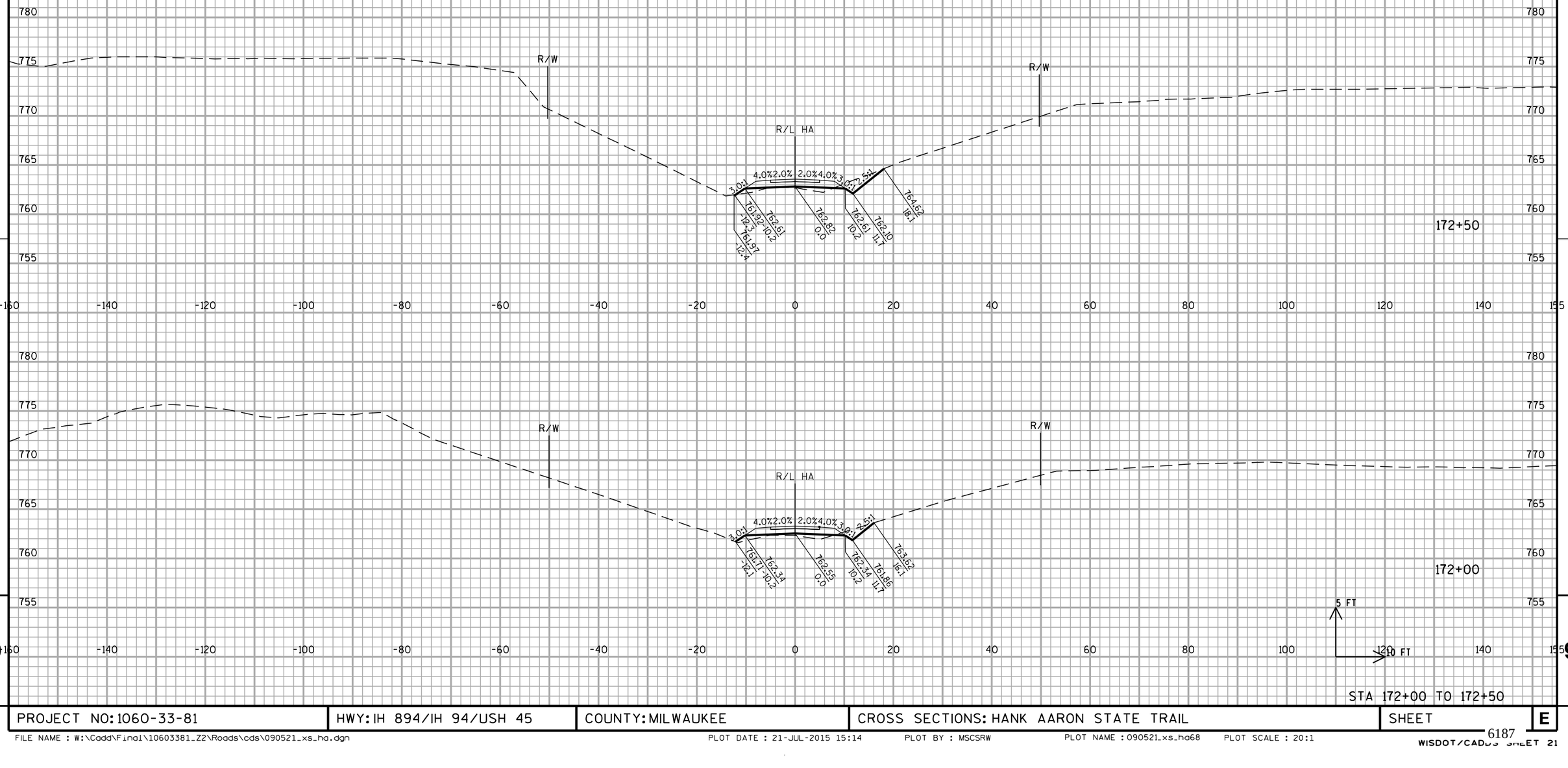


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha67 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

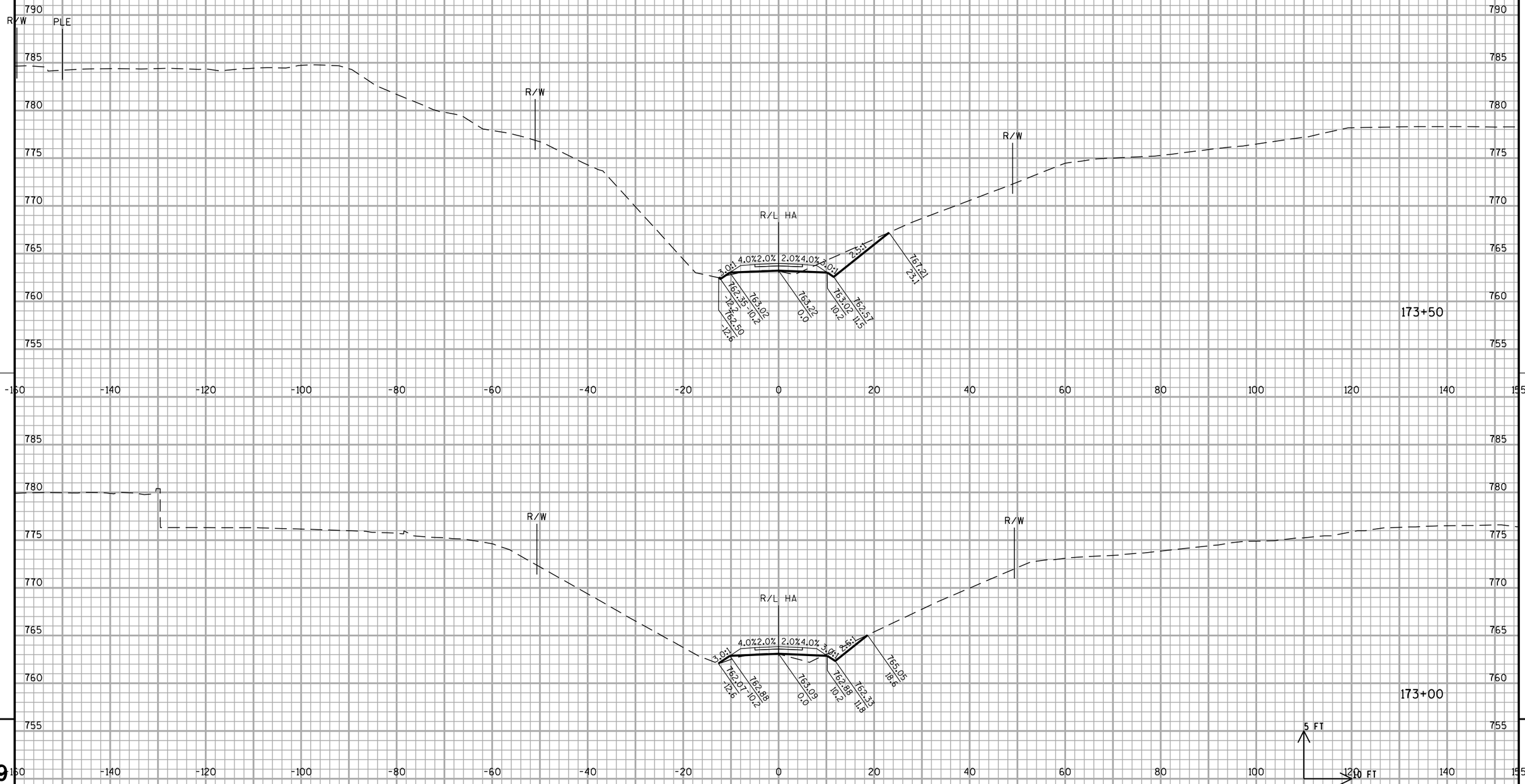


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha68 PLOT SCALE : 20:1

ALL WORK STAGE 8

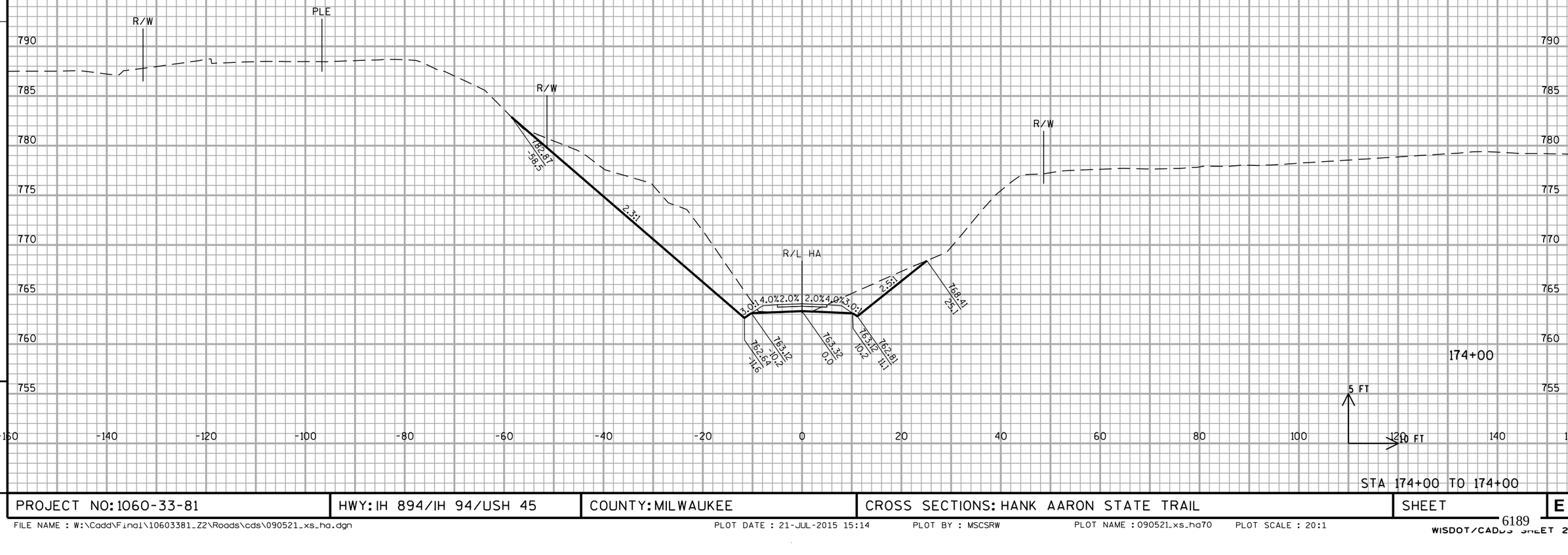


STA 173+00 TO 173+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha69 PLOT SCALE : 20:1

ALL WORK STAGE 8



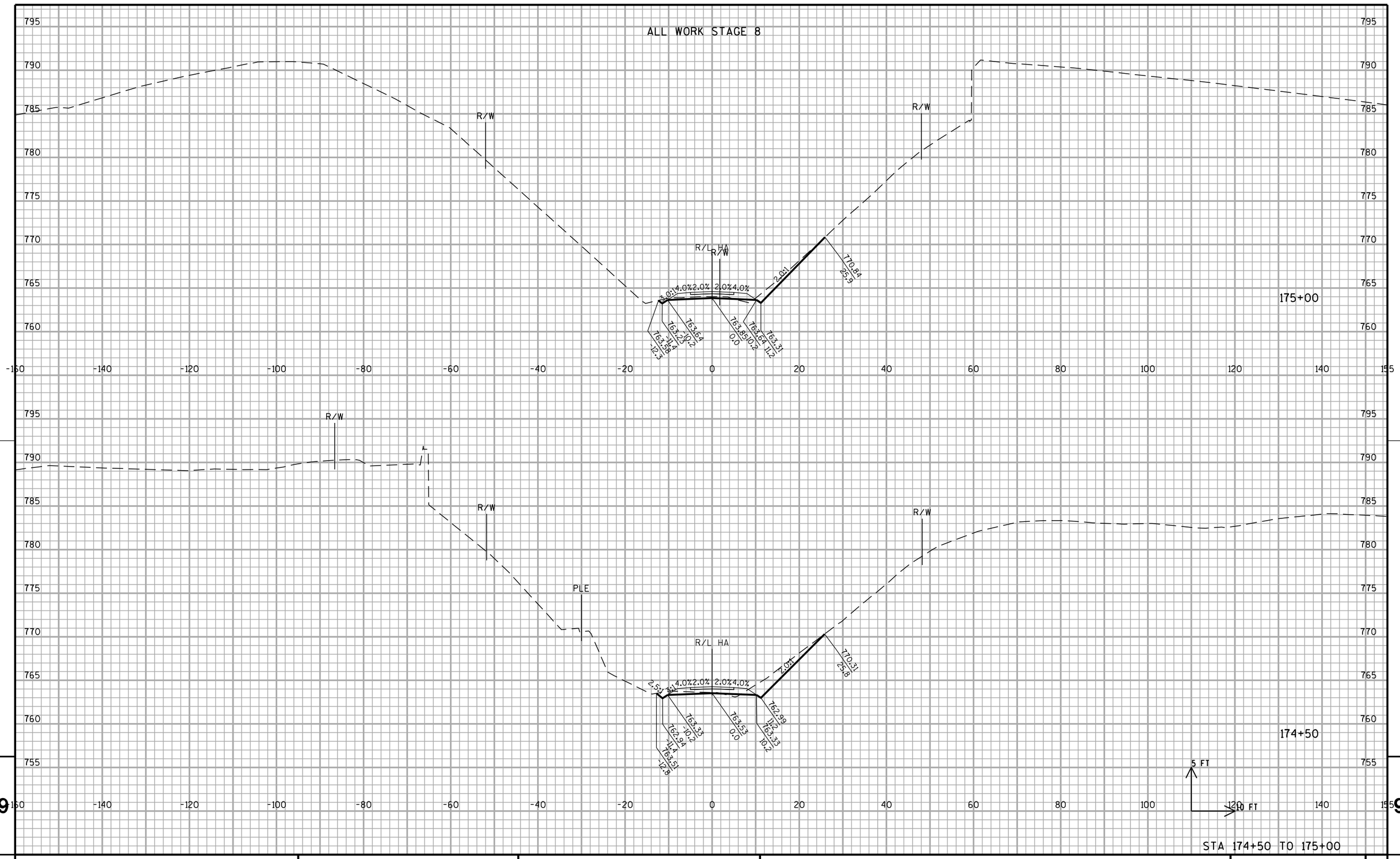
STA 174+00 TO 174+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha70 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



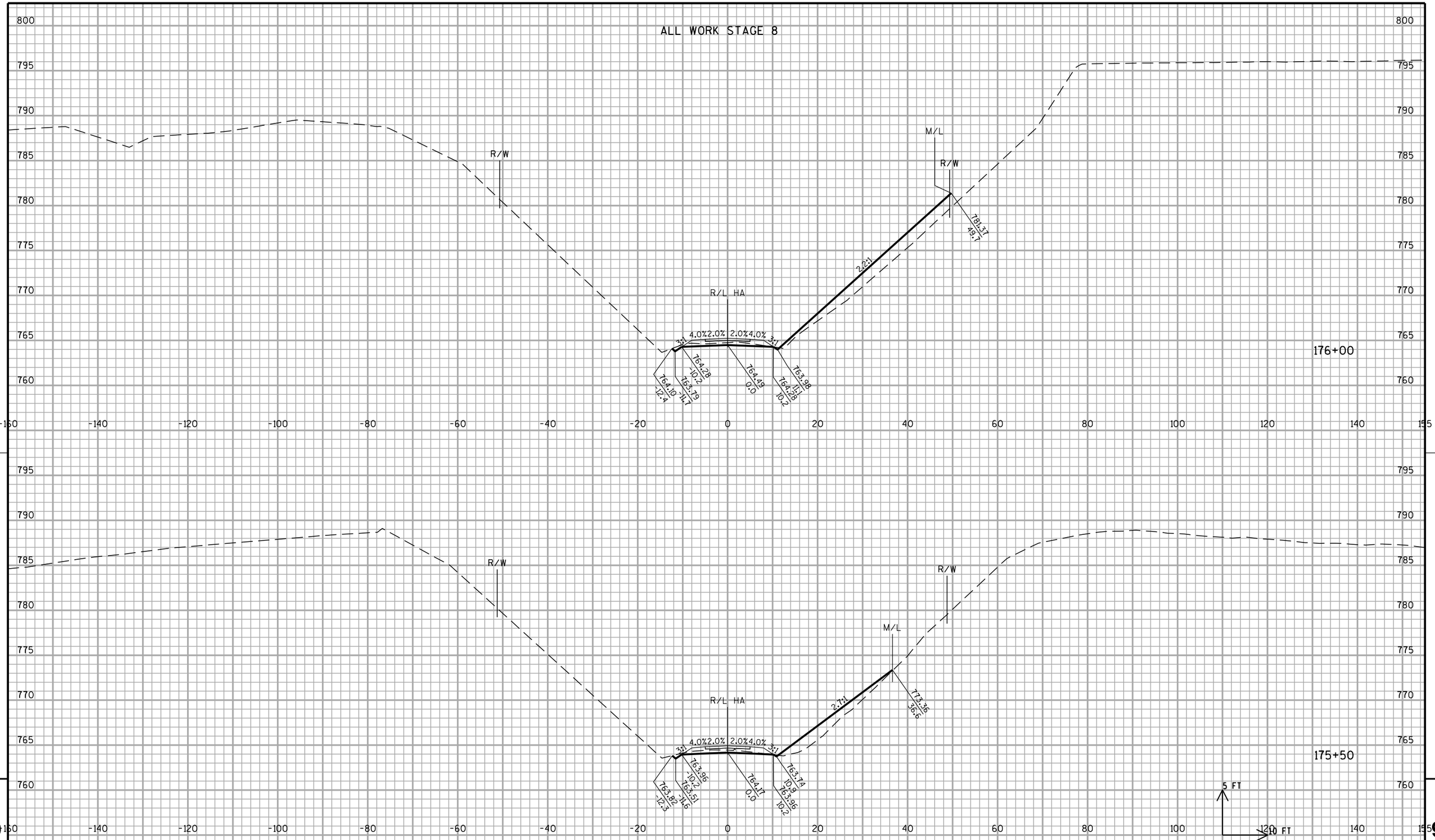
STA 174+50 TO 175+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha71 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



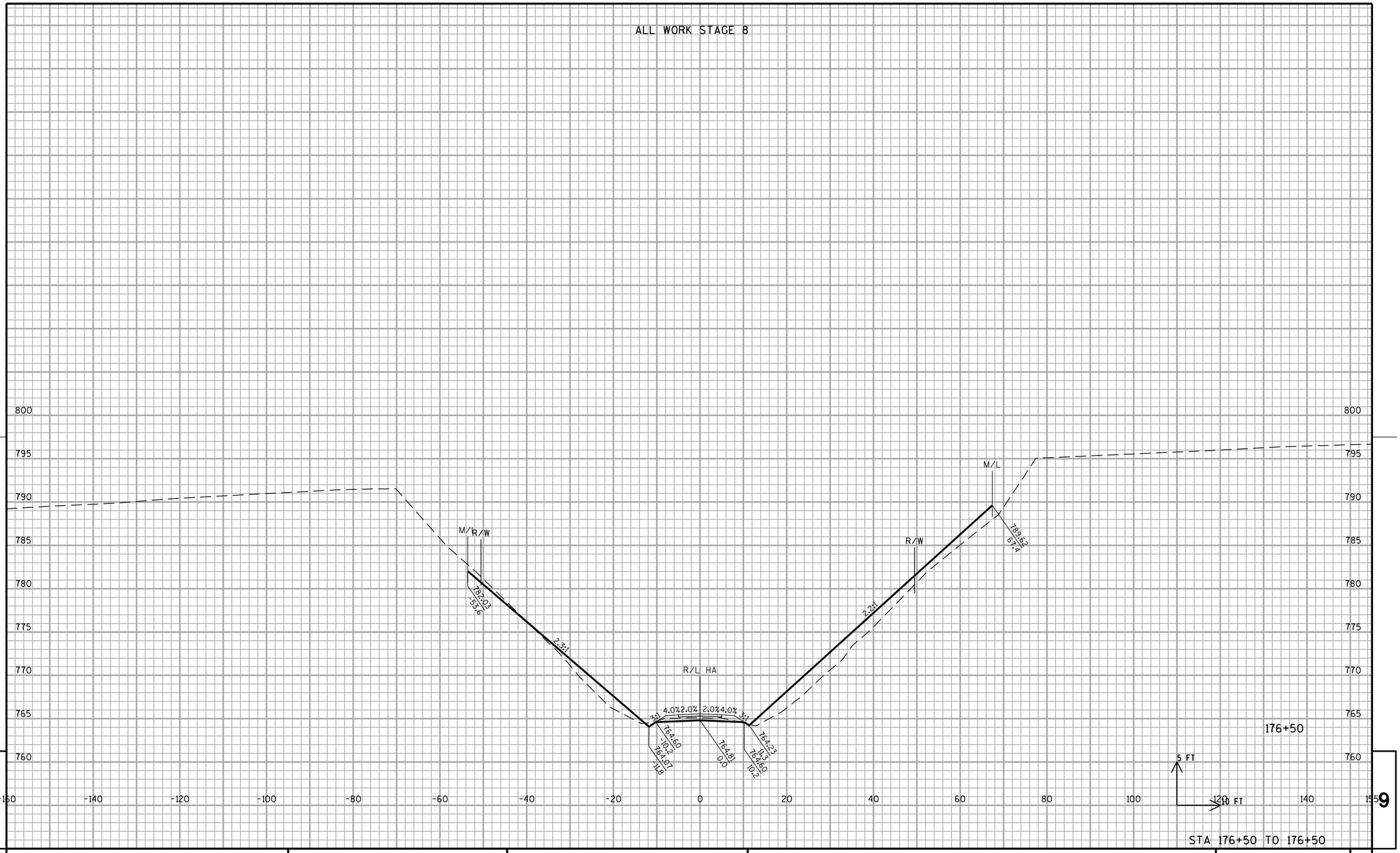
STA 175+50 TO 176+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha72 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



9

9

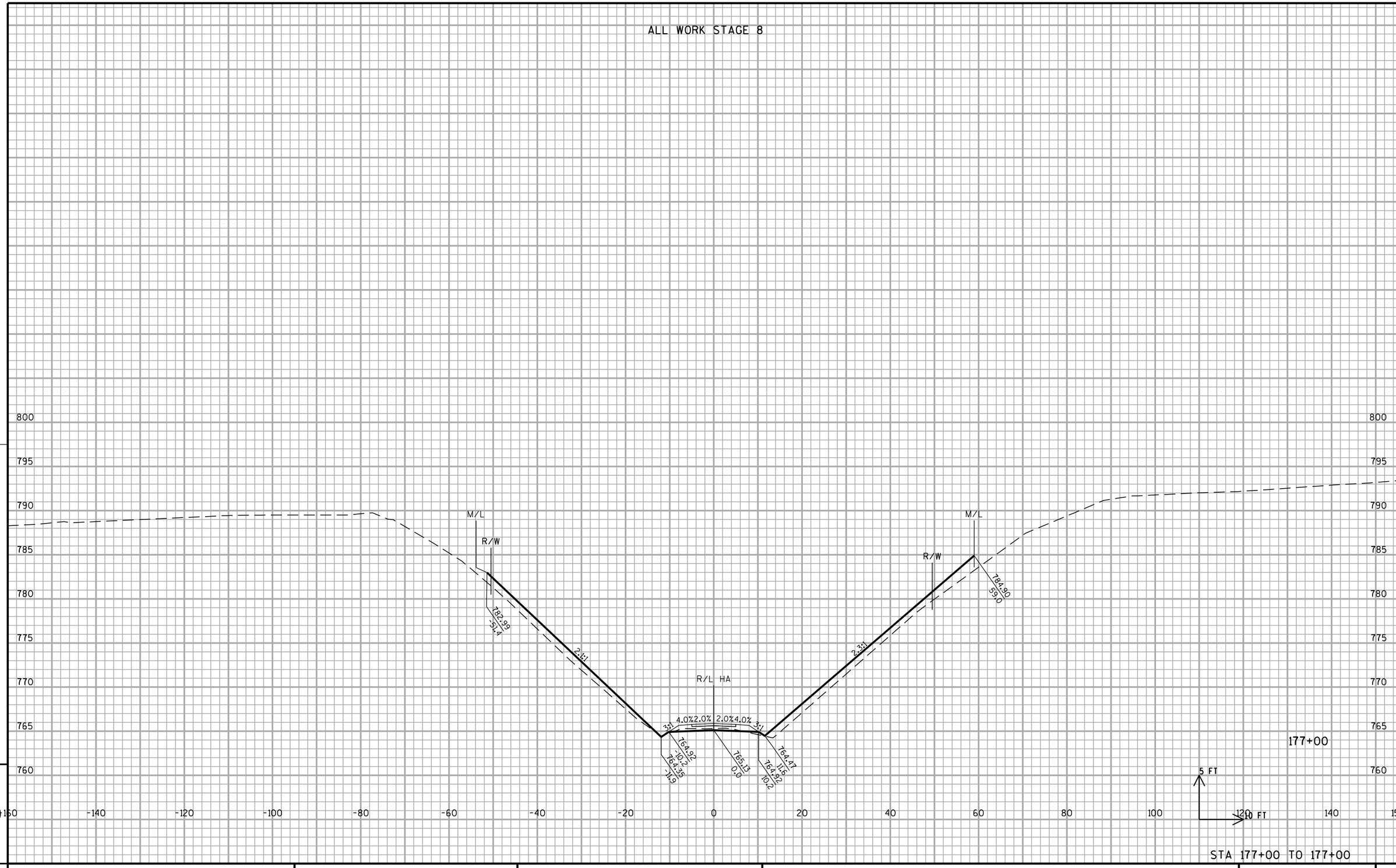
STA 176+50 TO 176+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha73 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



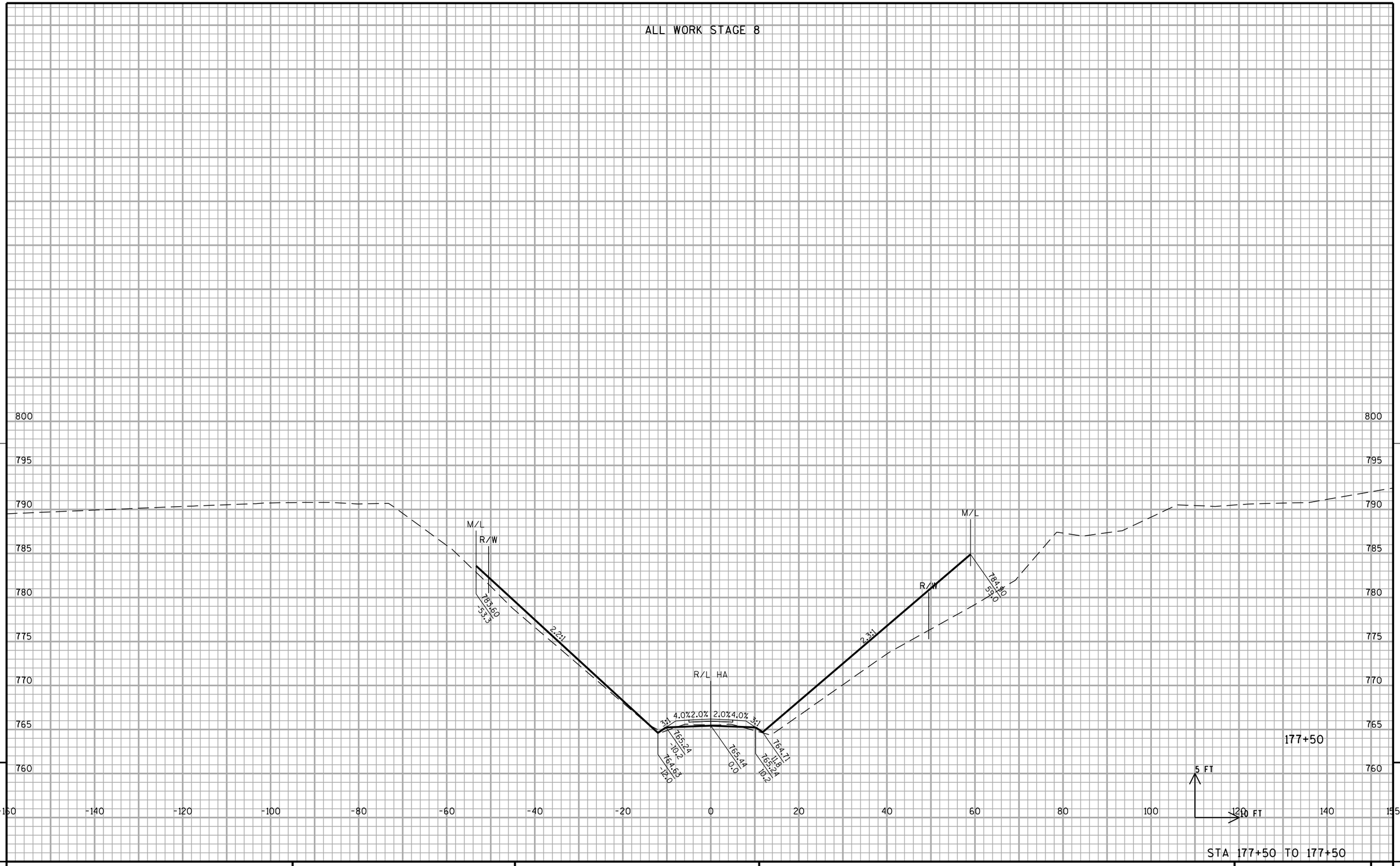
STA 177+00 TO 177+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha74 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



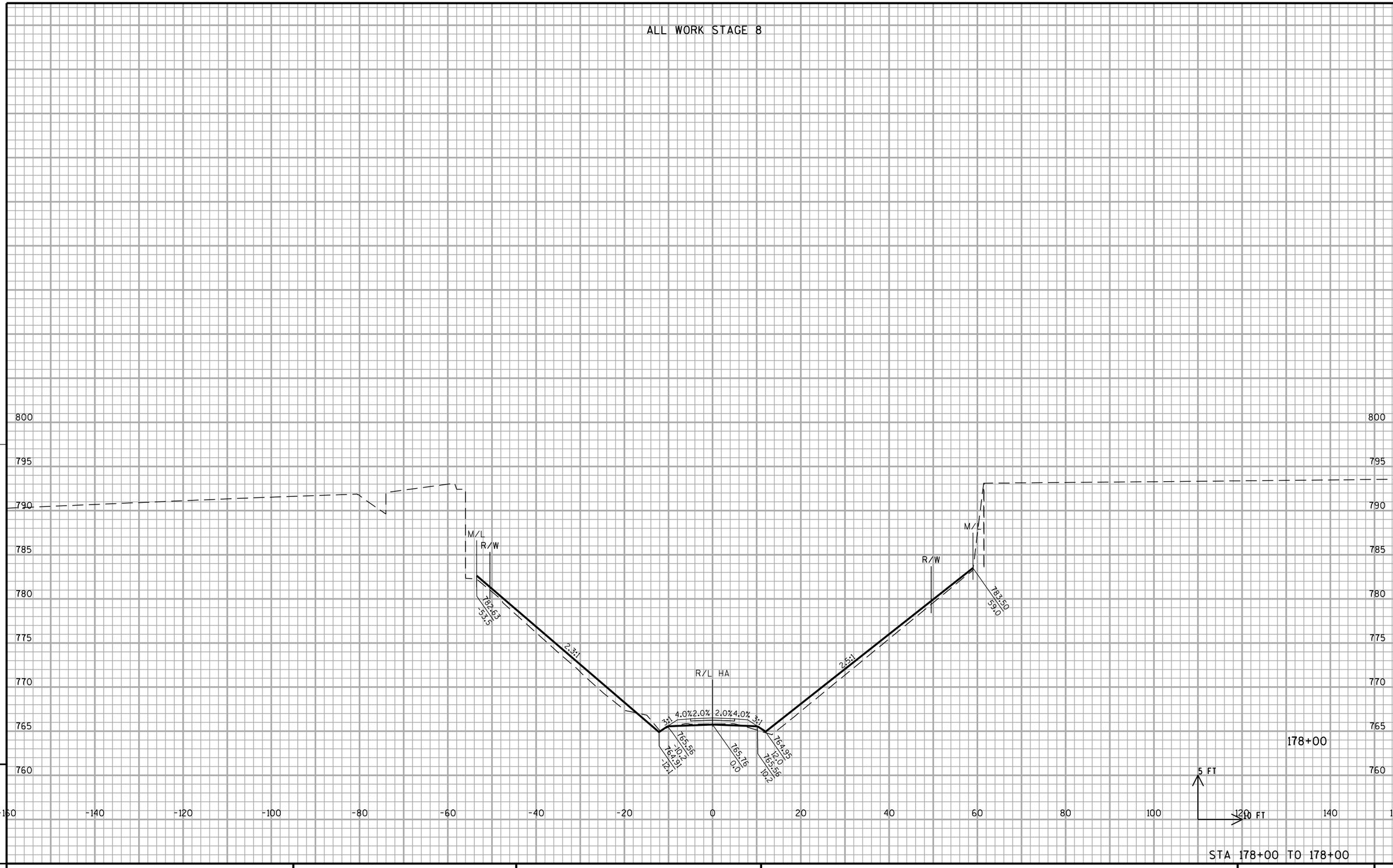
STA 177+50 TO 177+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha75 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

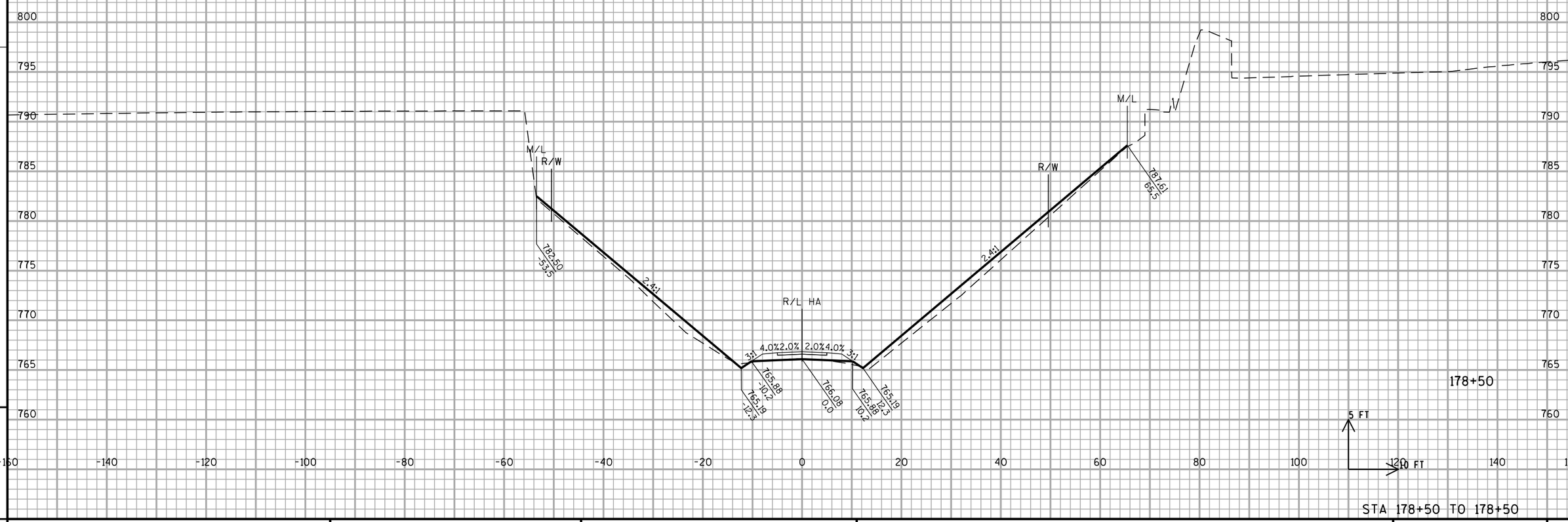


STA 178+00 TO 178+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha76 PLOT SCALE : 20:1

ALL WORK STAGE 8



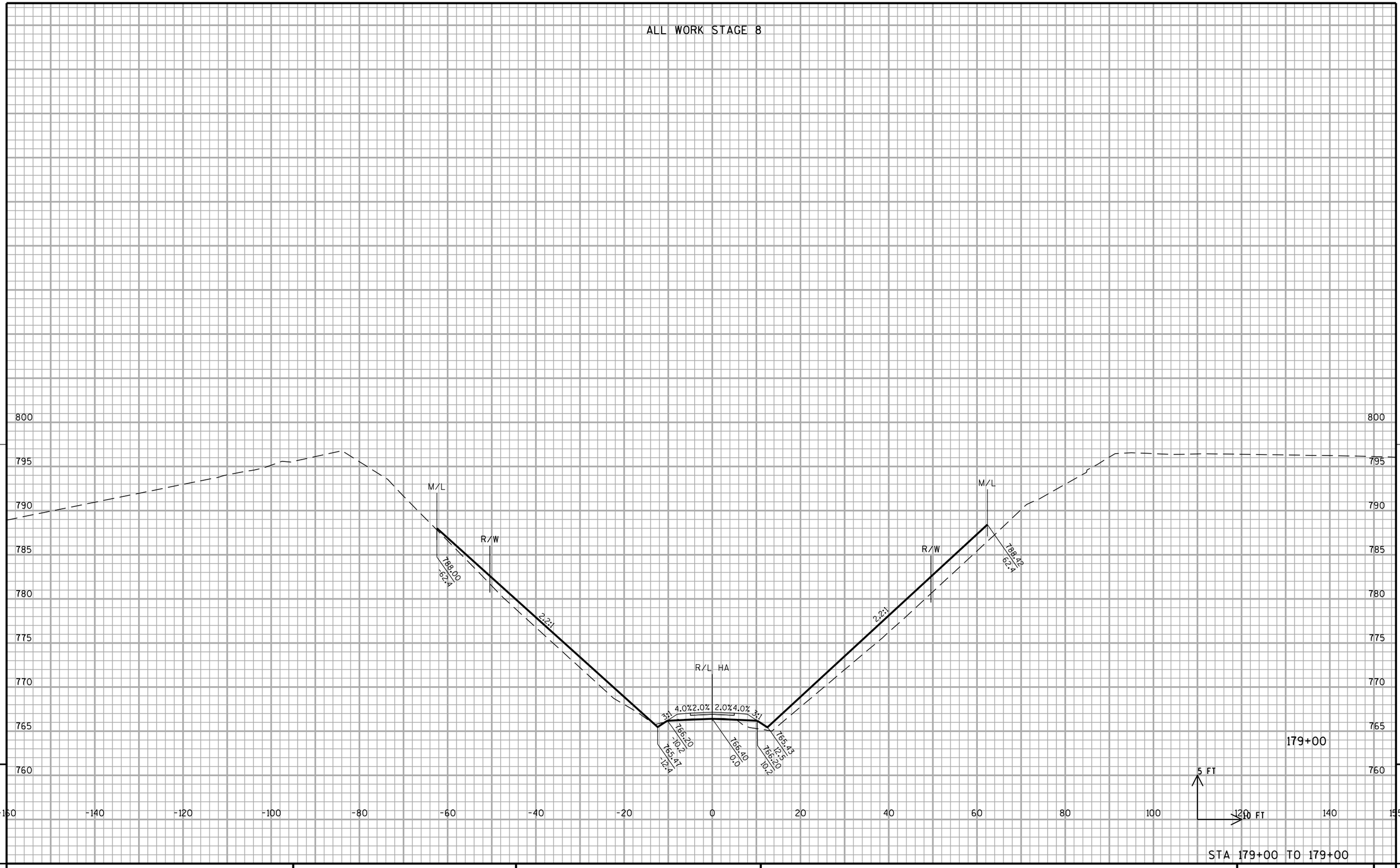
STA 178+50 TO 178+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha77 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



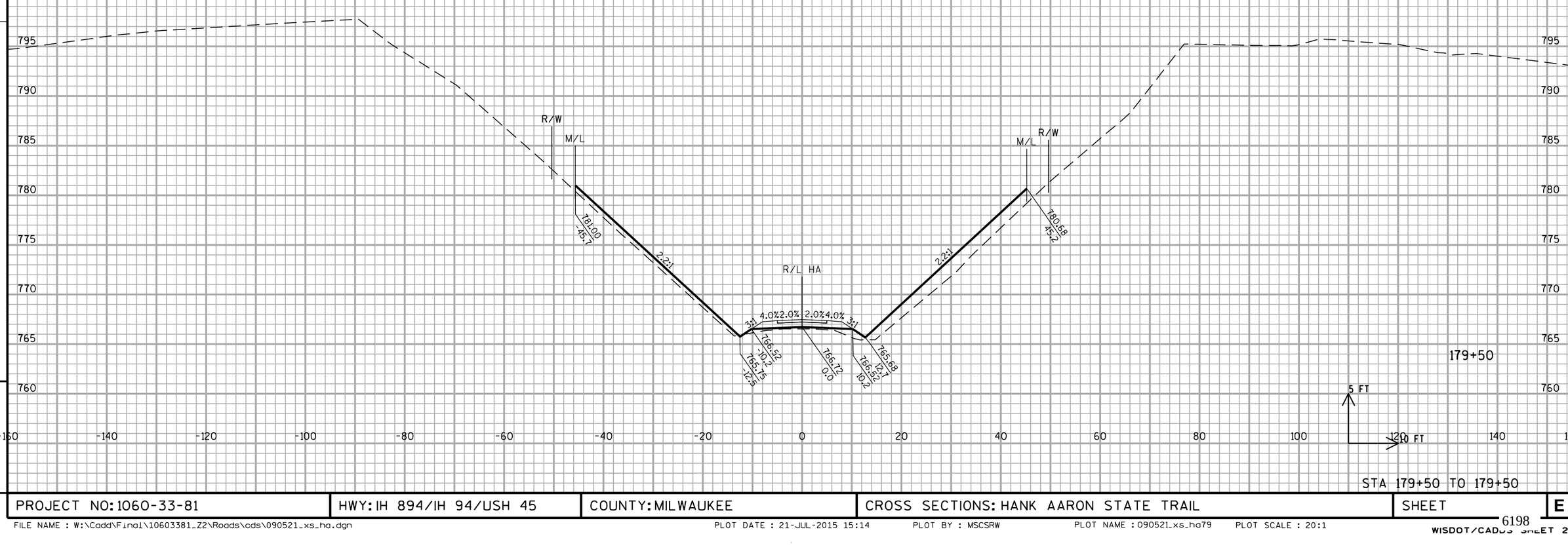
STA 179+00 TO 179+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 15:14 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha78 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

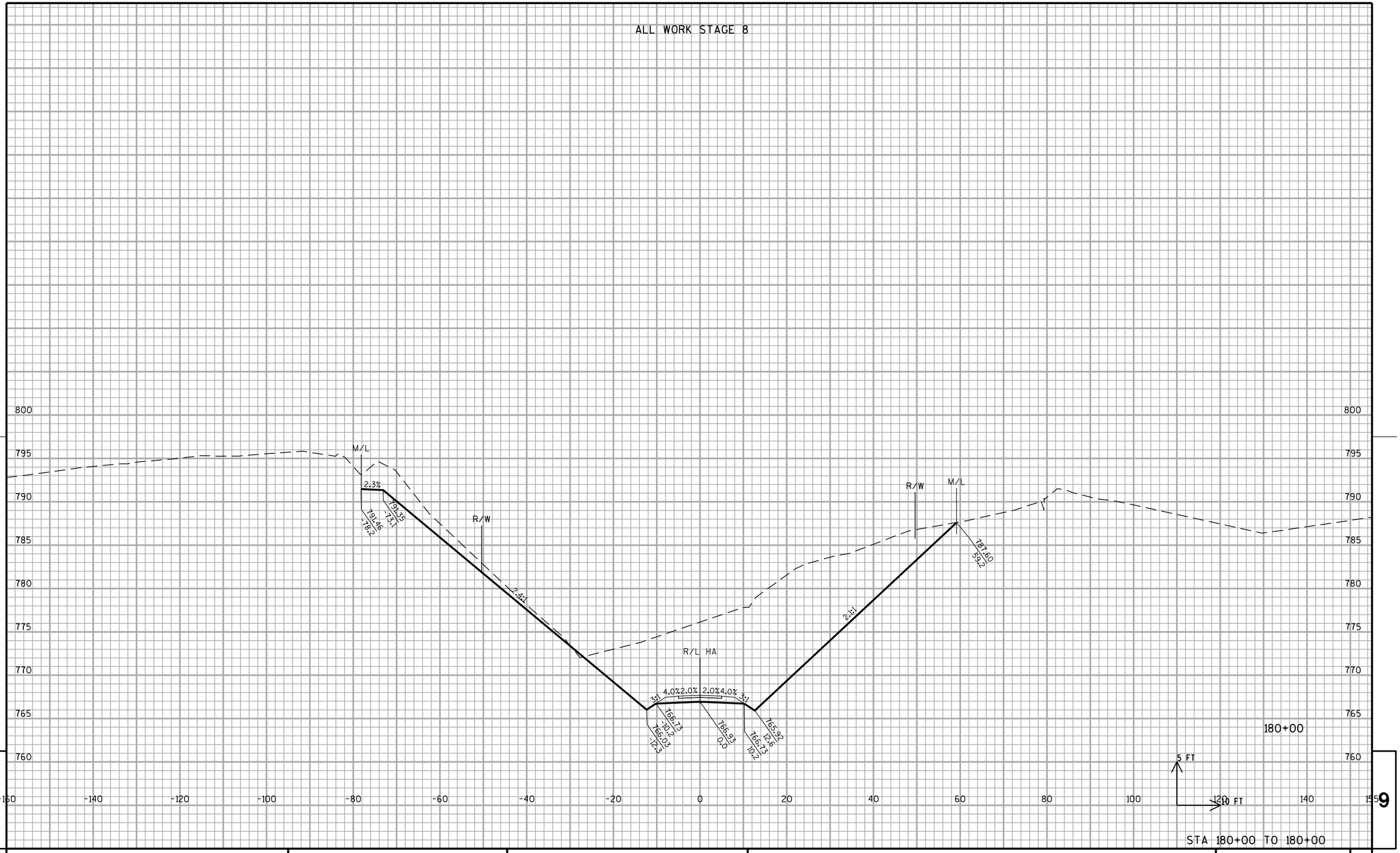
ALL WORK STAGE 8



STA 179+50 TO 179+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

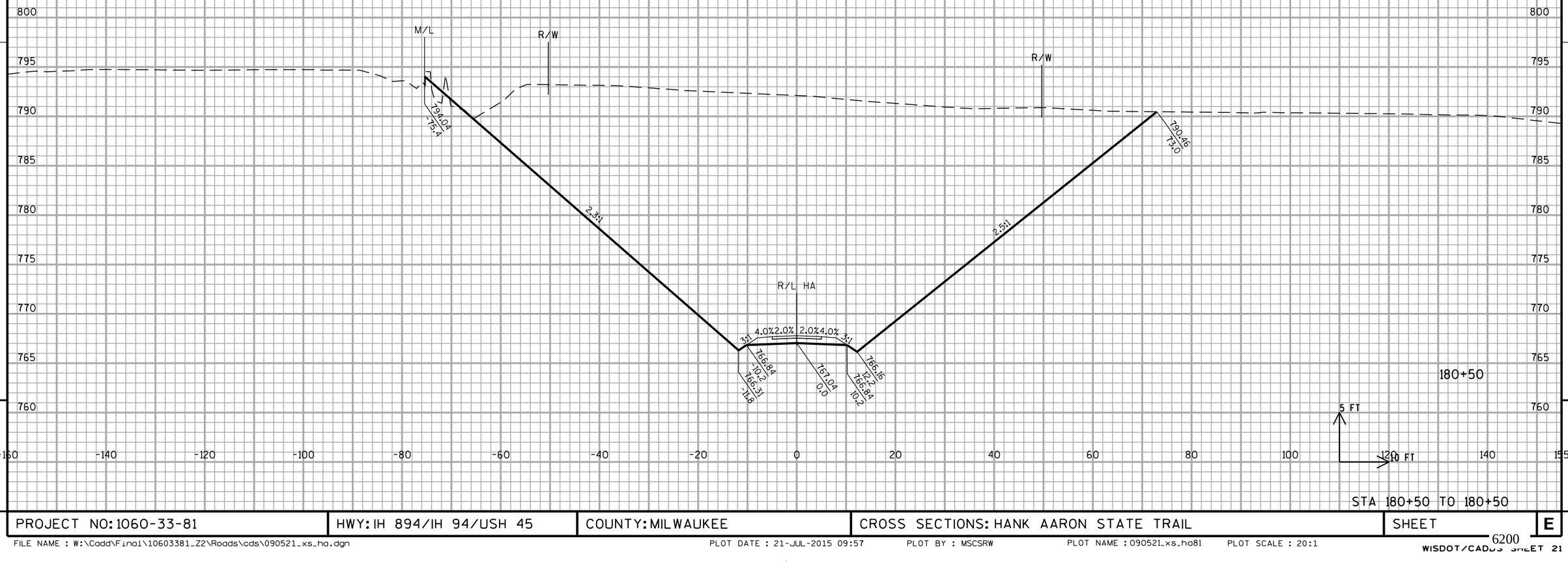
ALL WORK STAGE 8



STA 180+00 TO 180+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



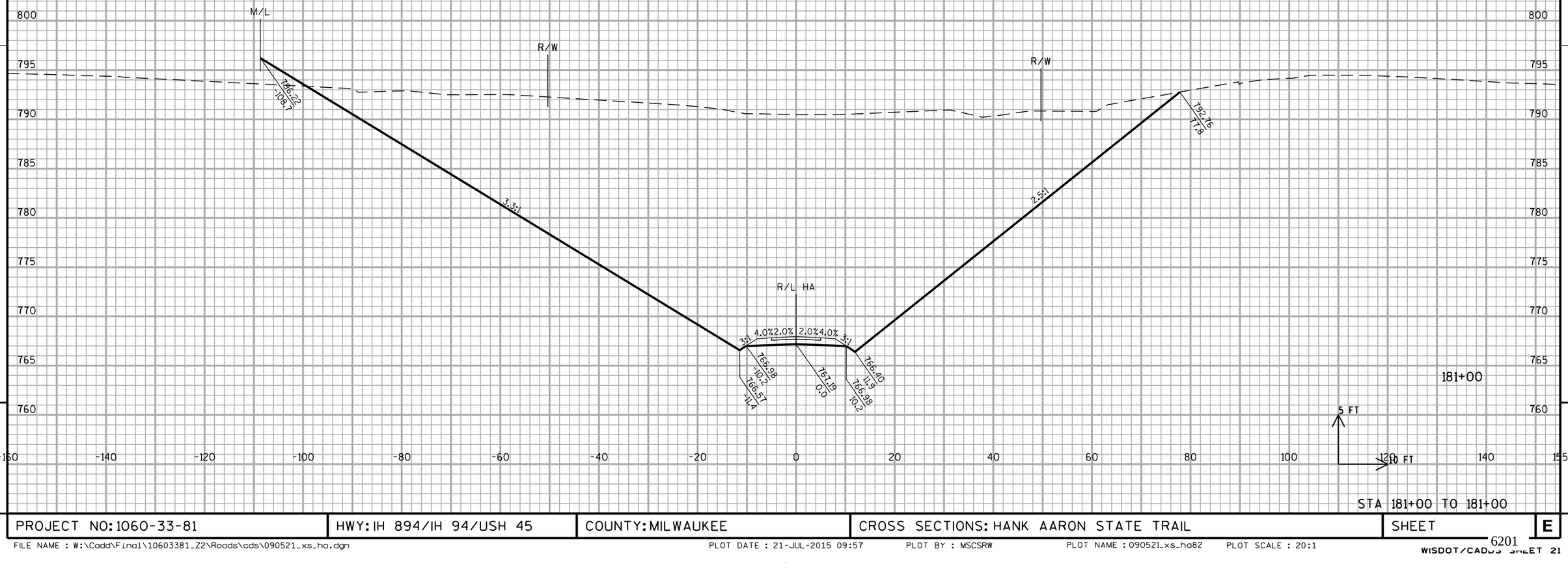
STA 180+50 TO 180+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha81 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8



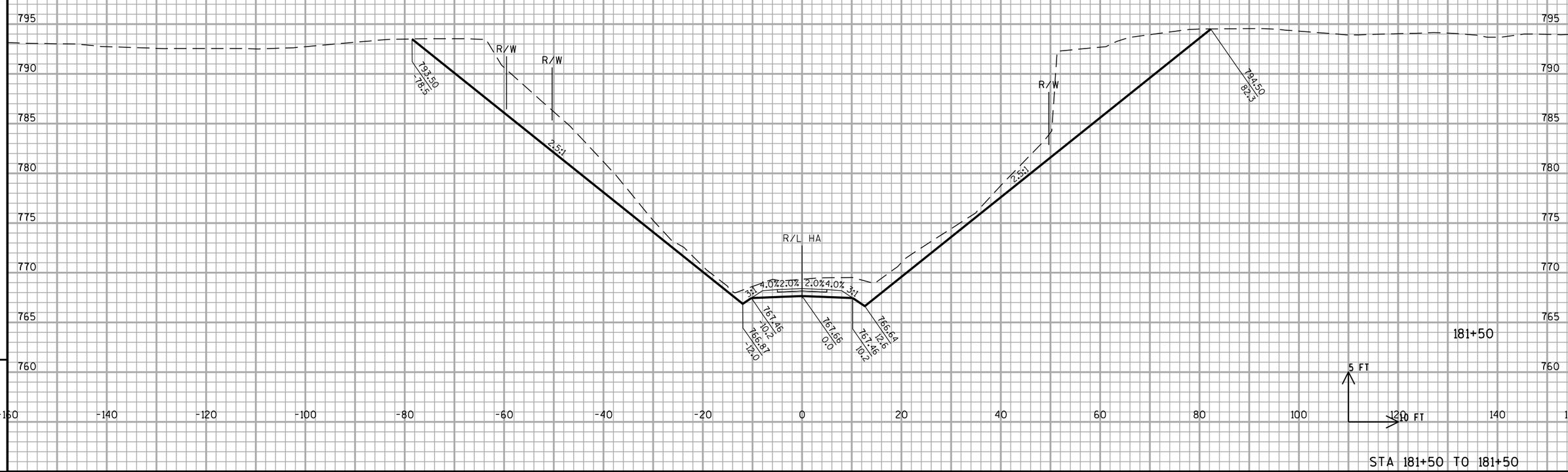
STA 181+00 TO 181+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha82 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

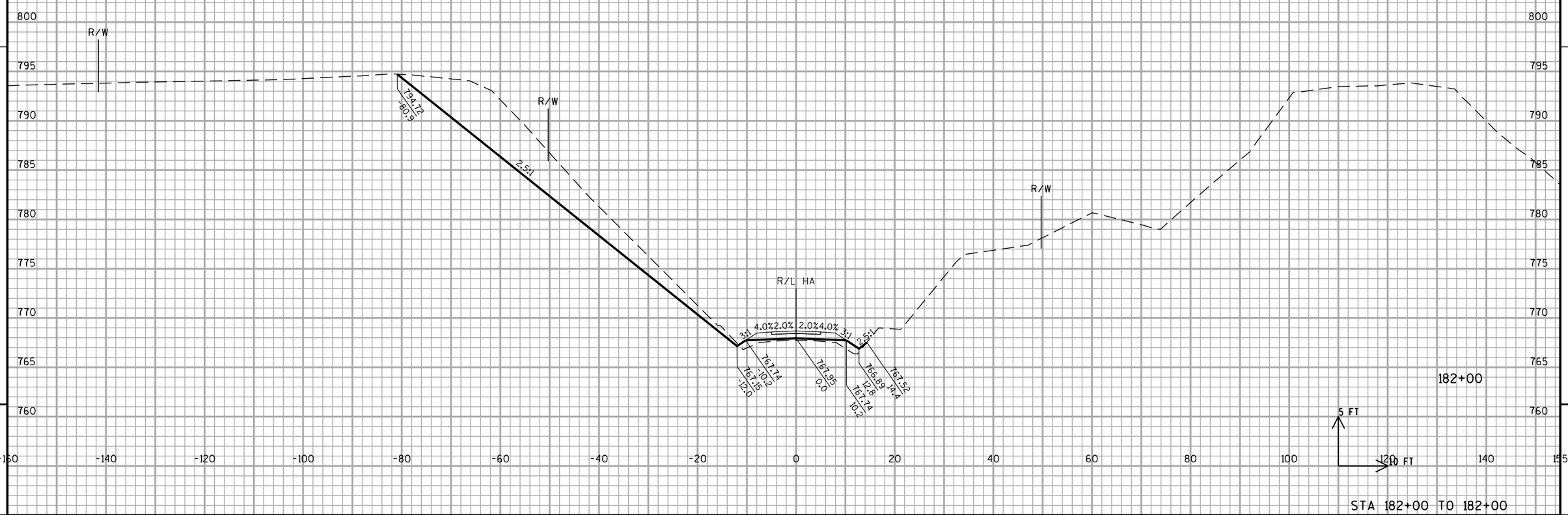


STA 181+50 TO 181+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha83 PLOT SCALE : 20:1

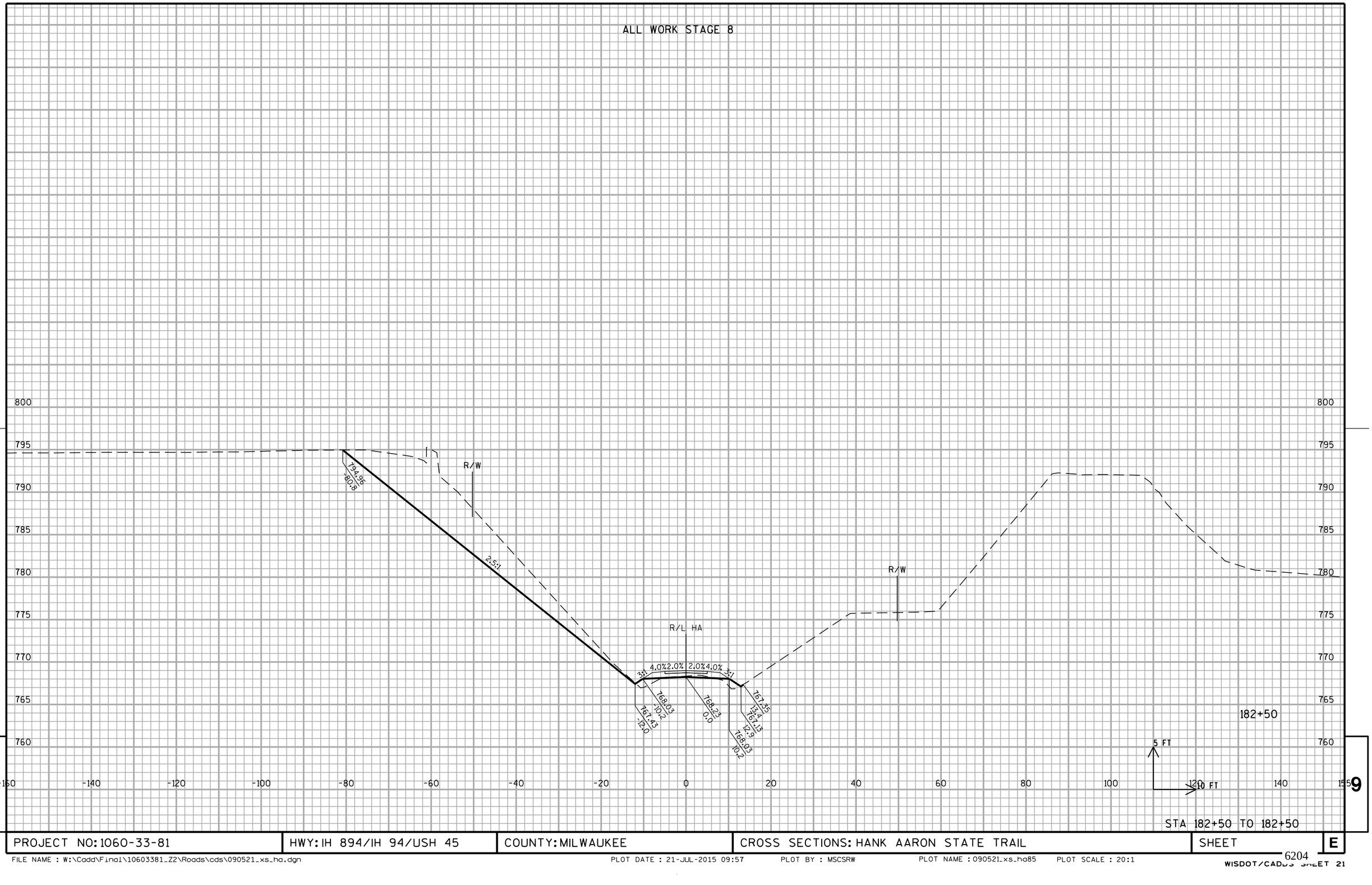
ALL WORK STAGE 8



STA 182+00 TO 182+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

ALL WORK STAGE 8



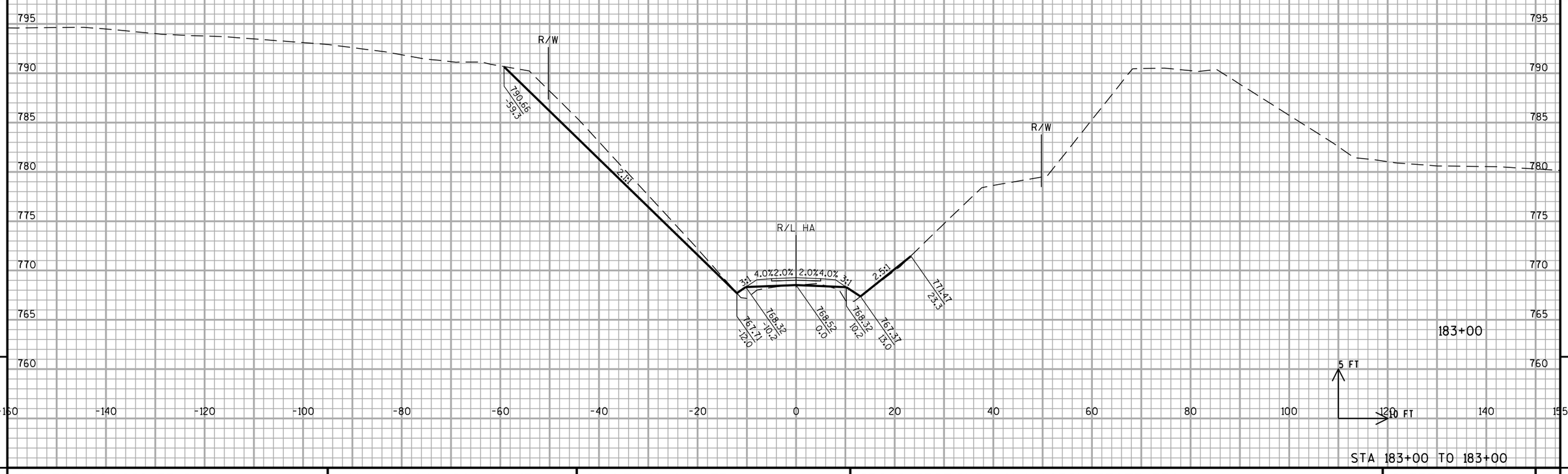
STA 182+50 TO 182+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha85 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

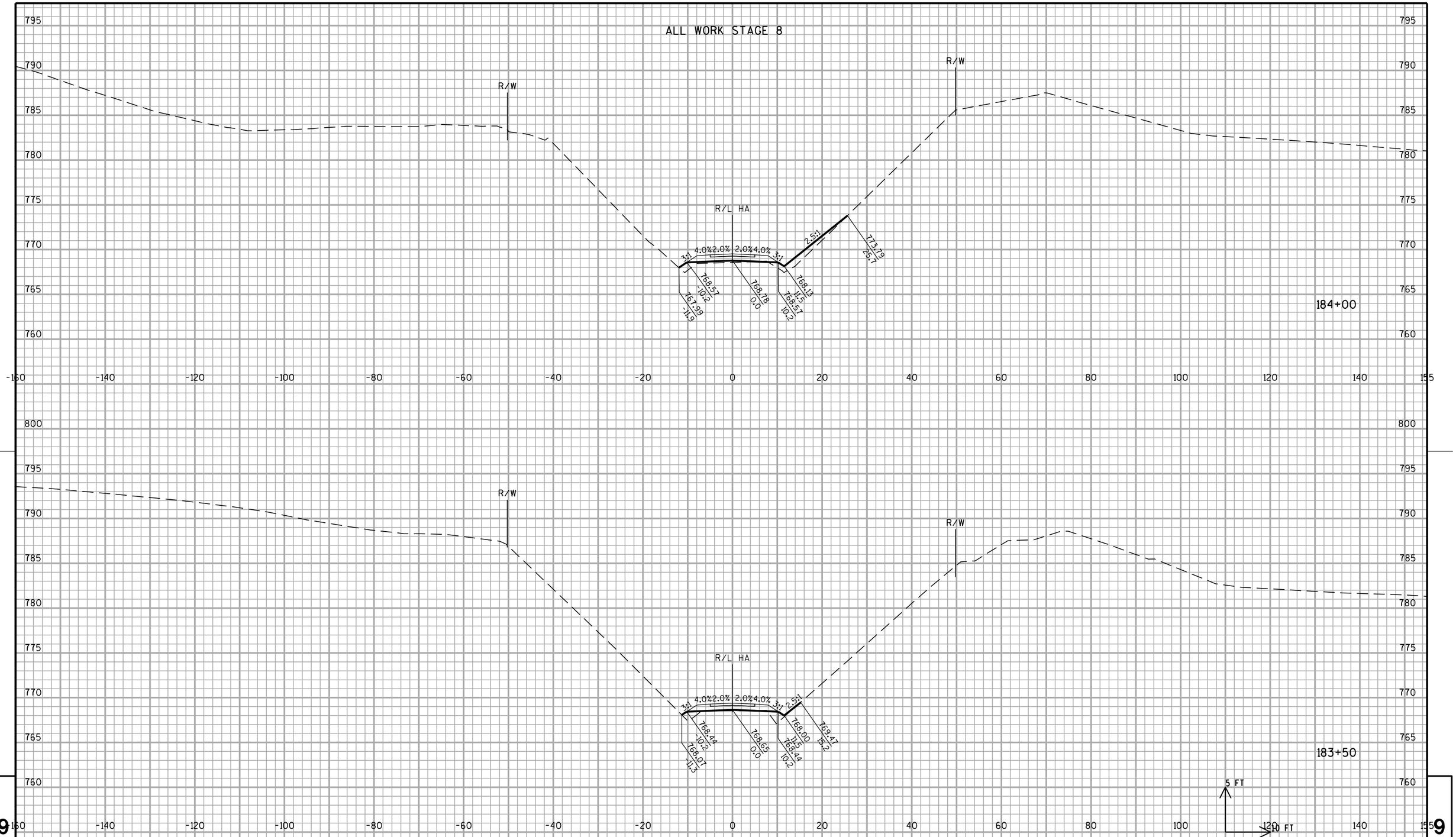


STA 183+00 TO 183+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha86 PLOT SCALE : 20:1

ALL WORK STAGE 8

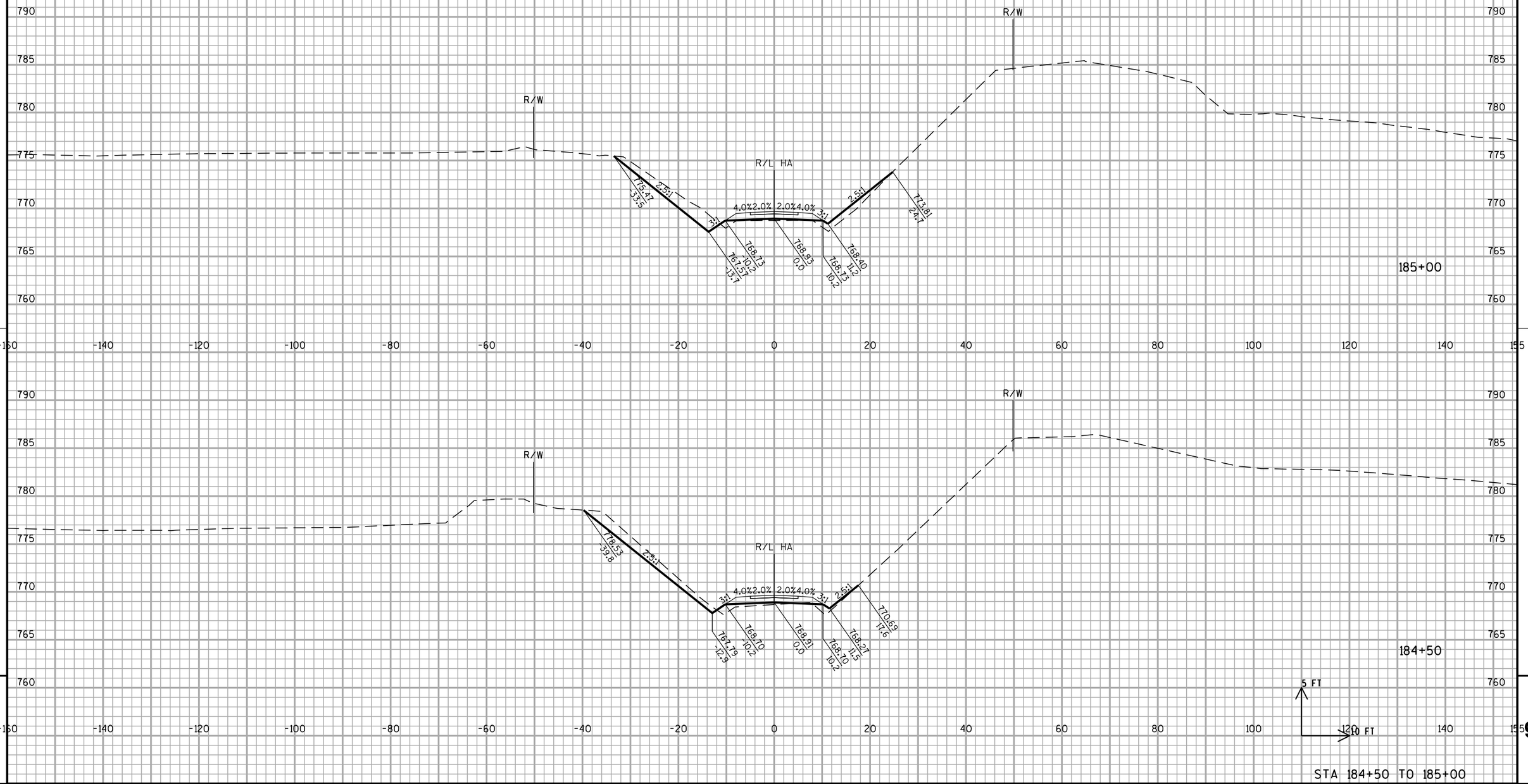


STA 183+50 TO 184+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha87 PLOT SCALE : 20:1

ALL WORK STAGE 8



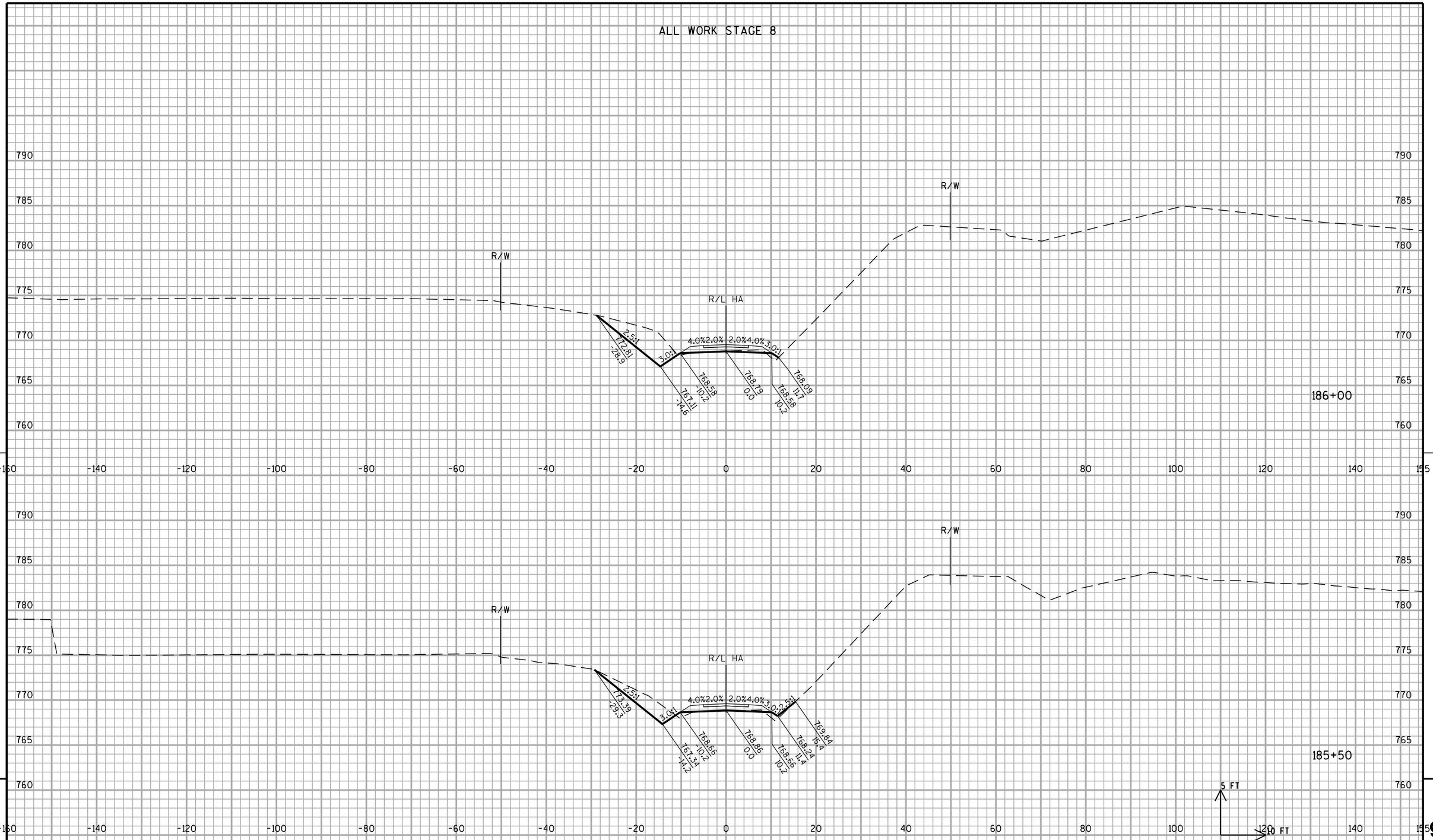
STA 184+50 TO 185+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha88 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

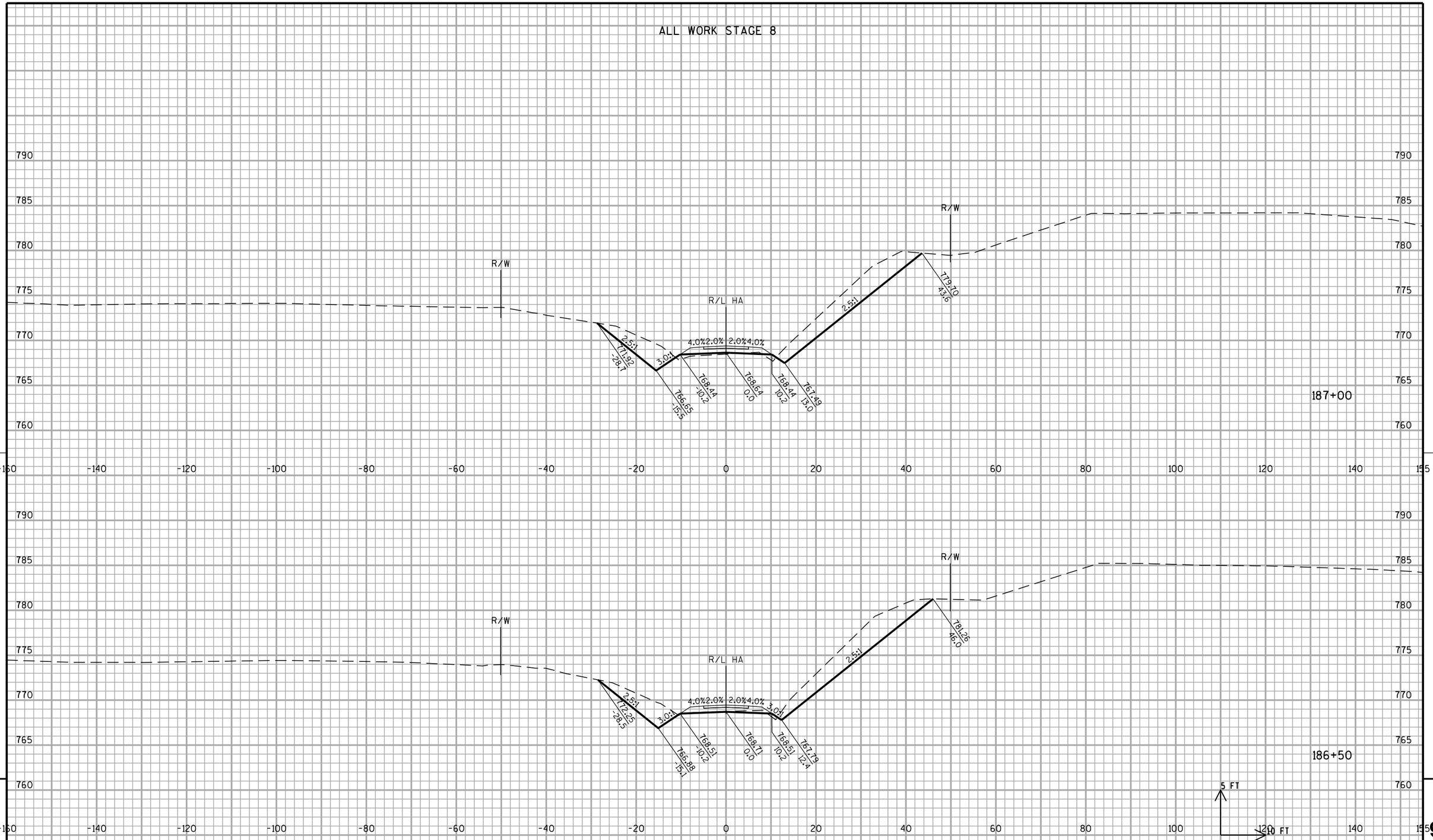


STA 185+50 TO 186+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha89 PLOT SCALE : 20:1

ALL WORK STAGE 8

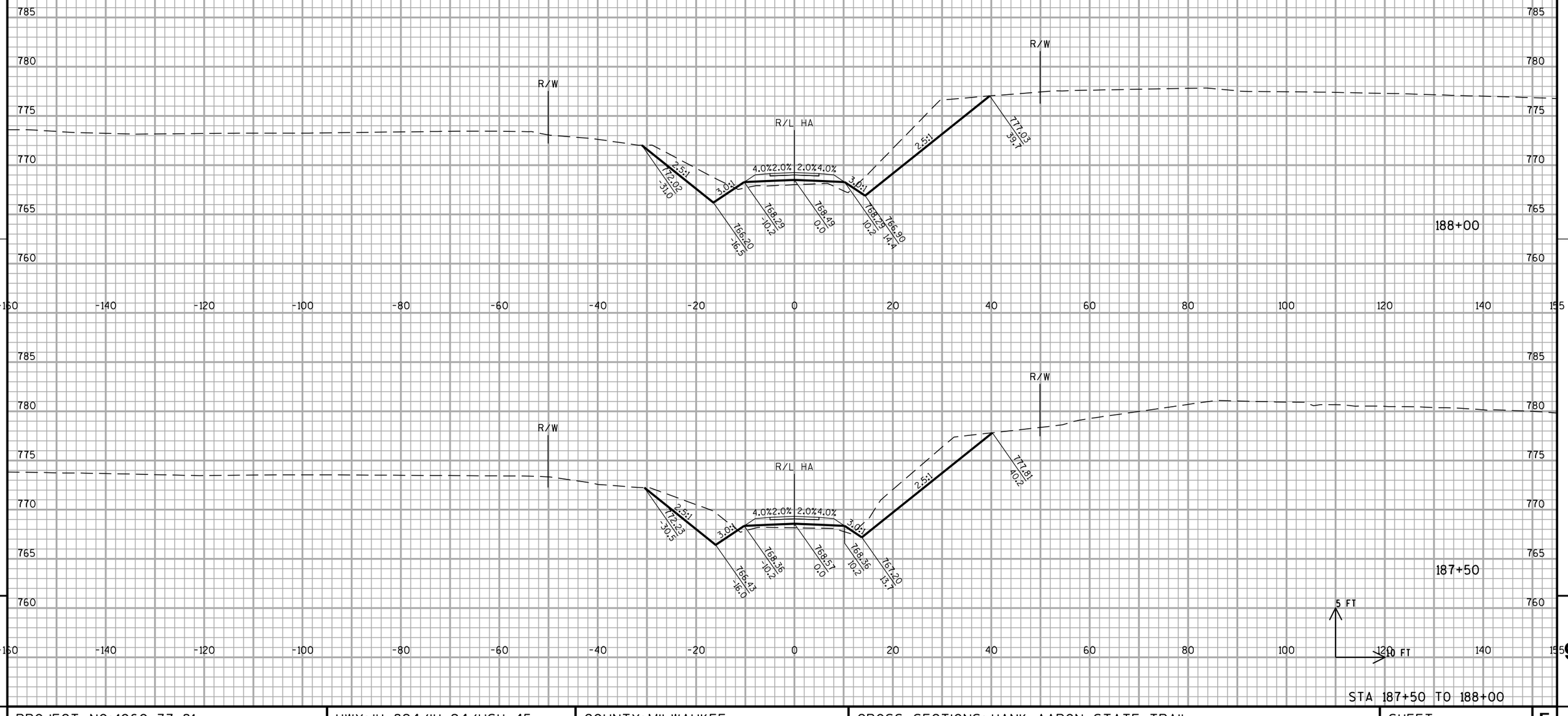


STA 186+50 TO 187+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha90 PLOT SCALE : 20:1

ALL WORK STAGE 8

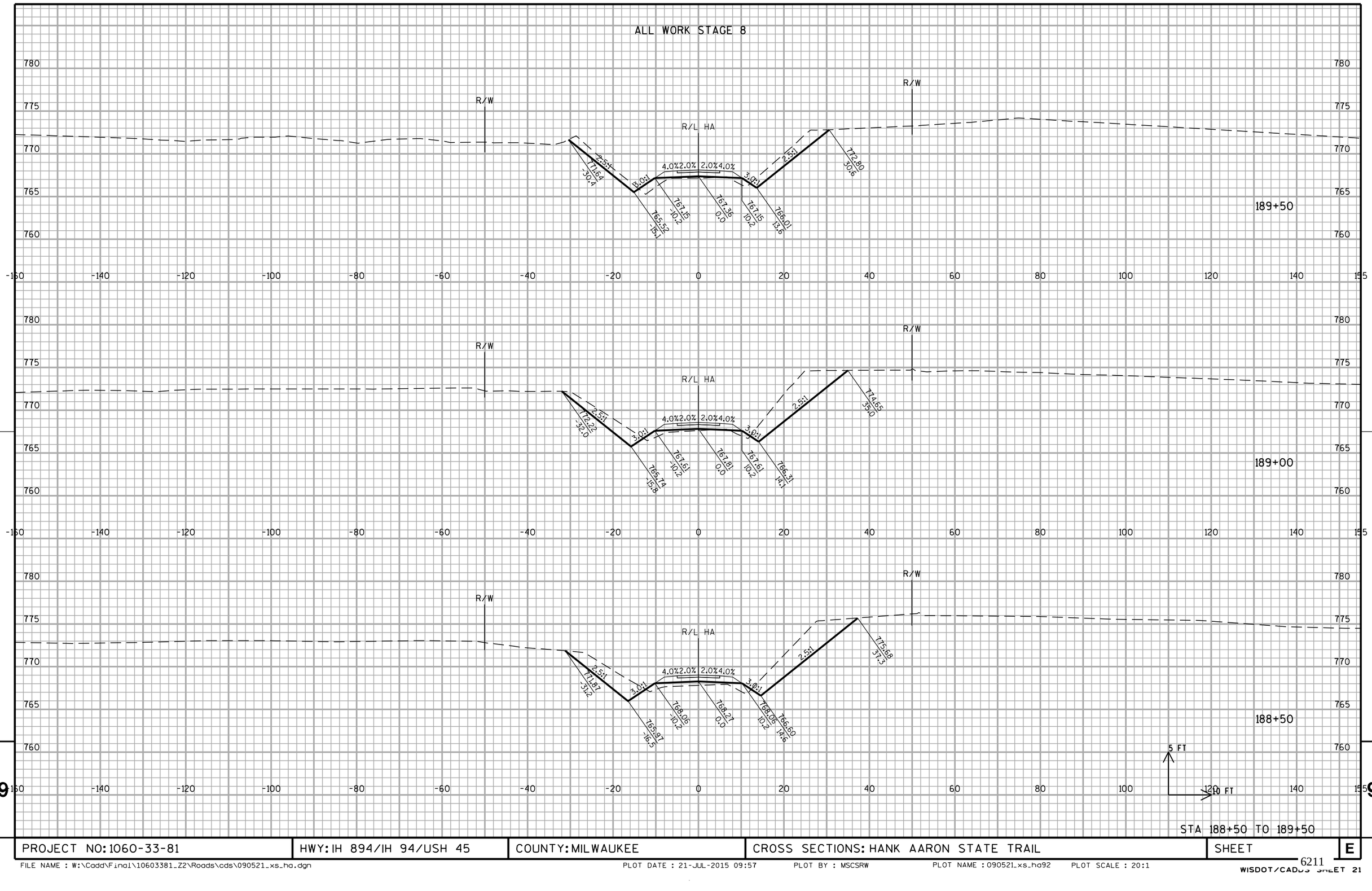


STA 187+50 TO 188+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha91 PLOT SCALE : 20:1

ALL WORK STAGE 8



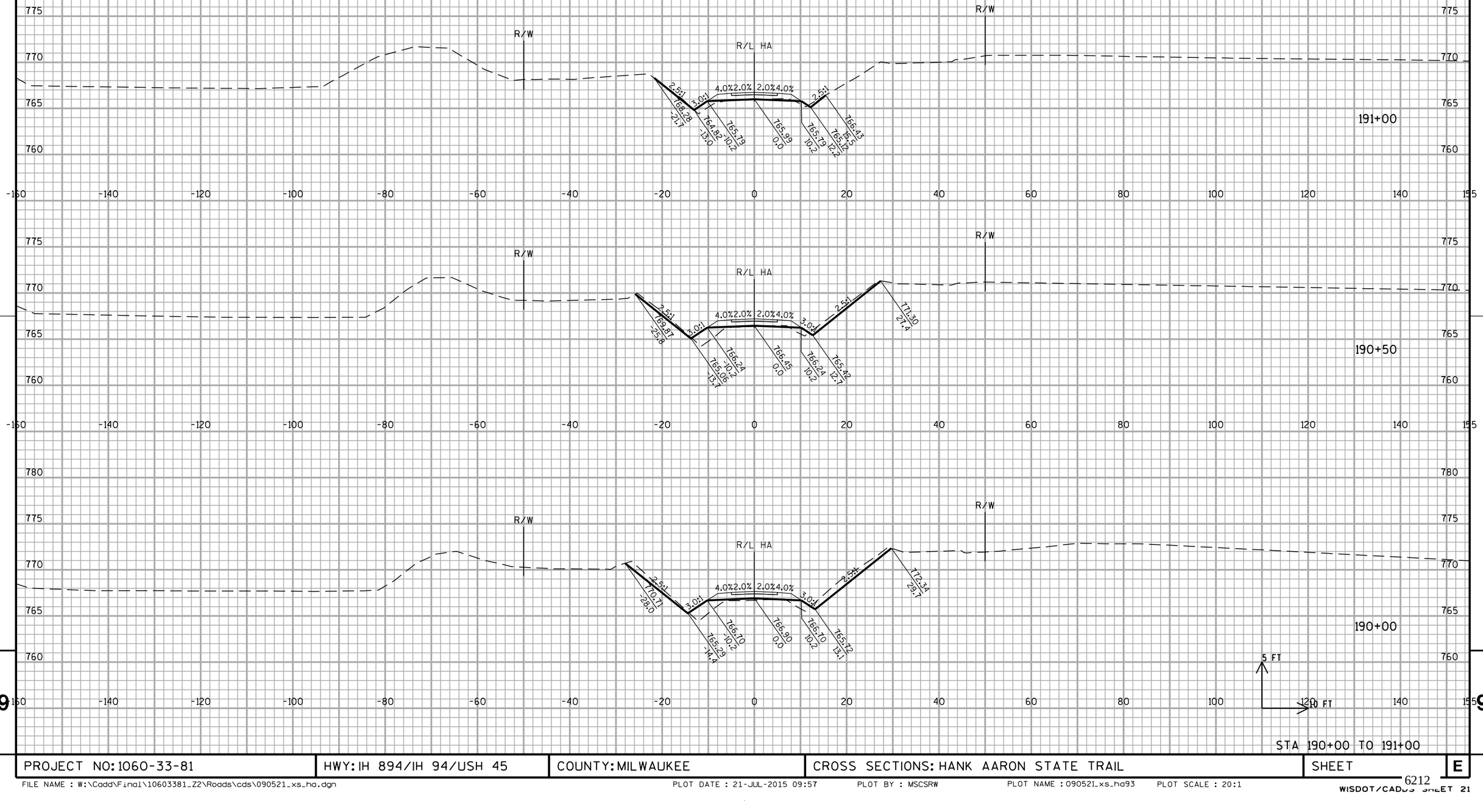
STA 188+50 TO 189+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha92 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

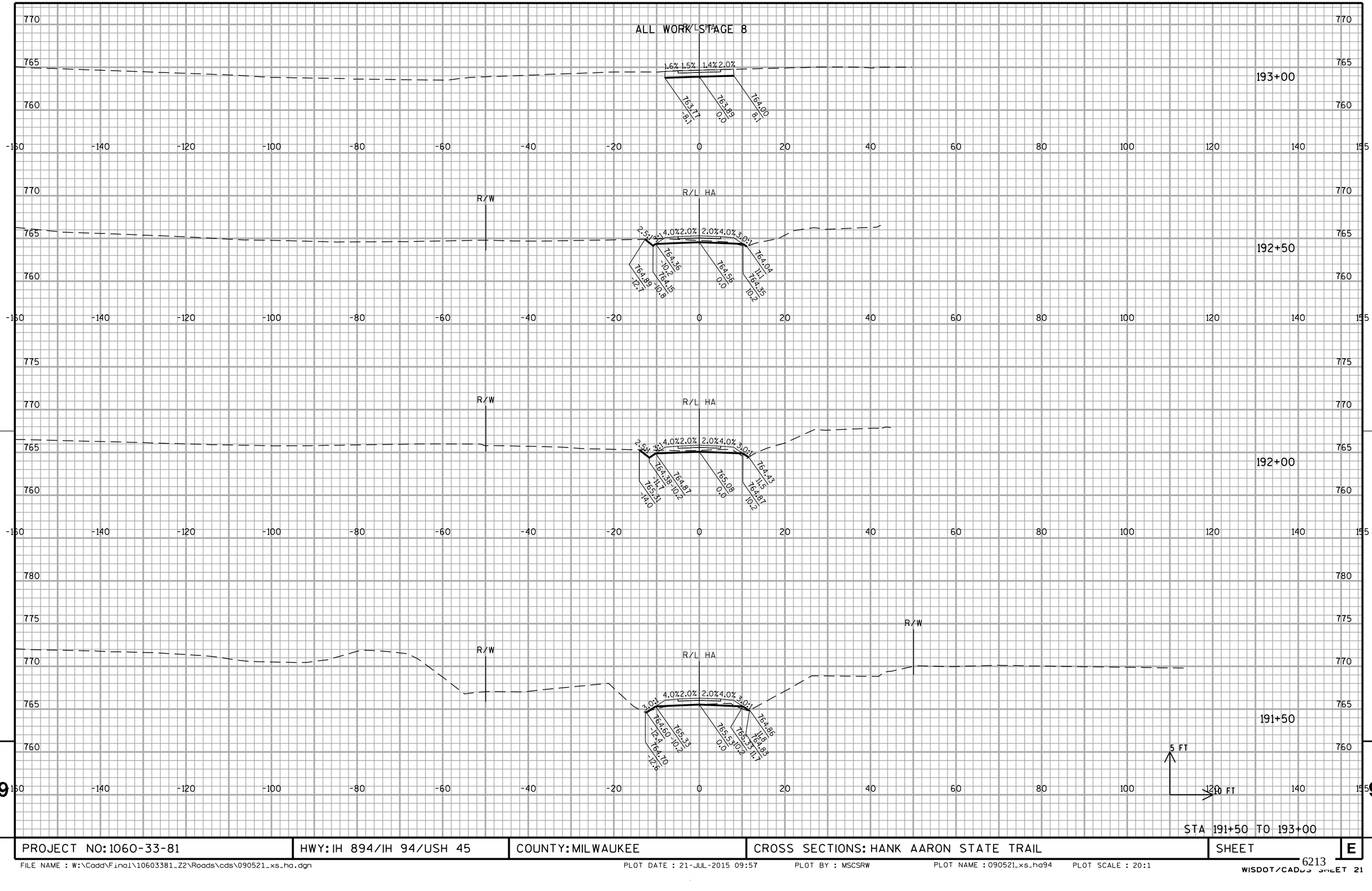


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

9

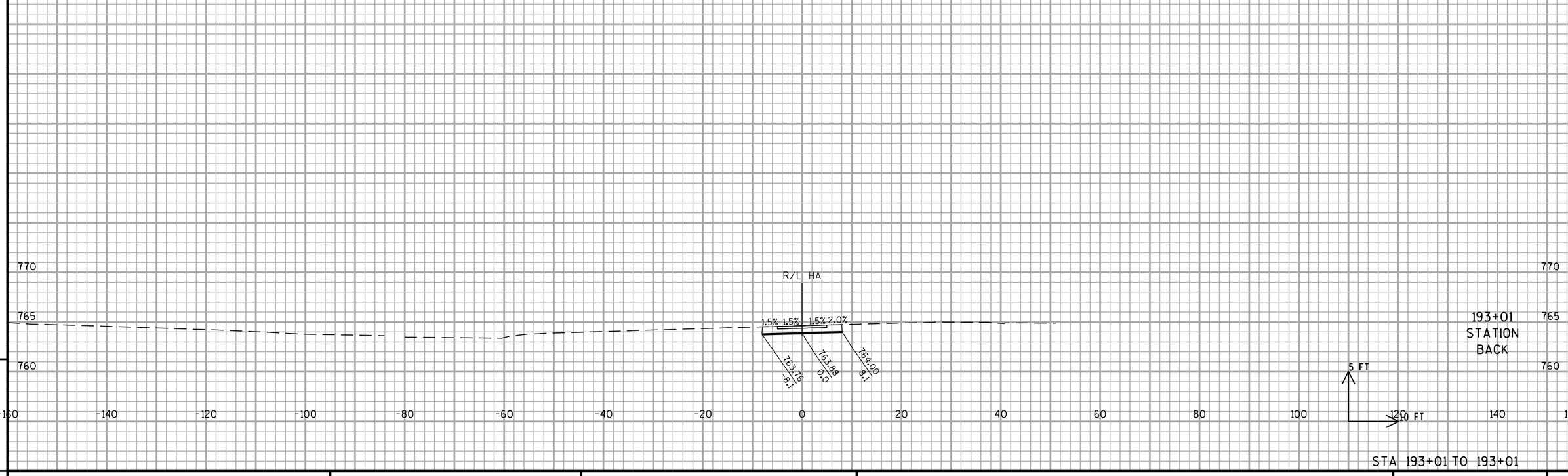
ALL WORK STAGE 8



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha94 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 8

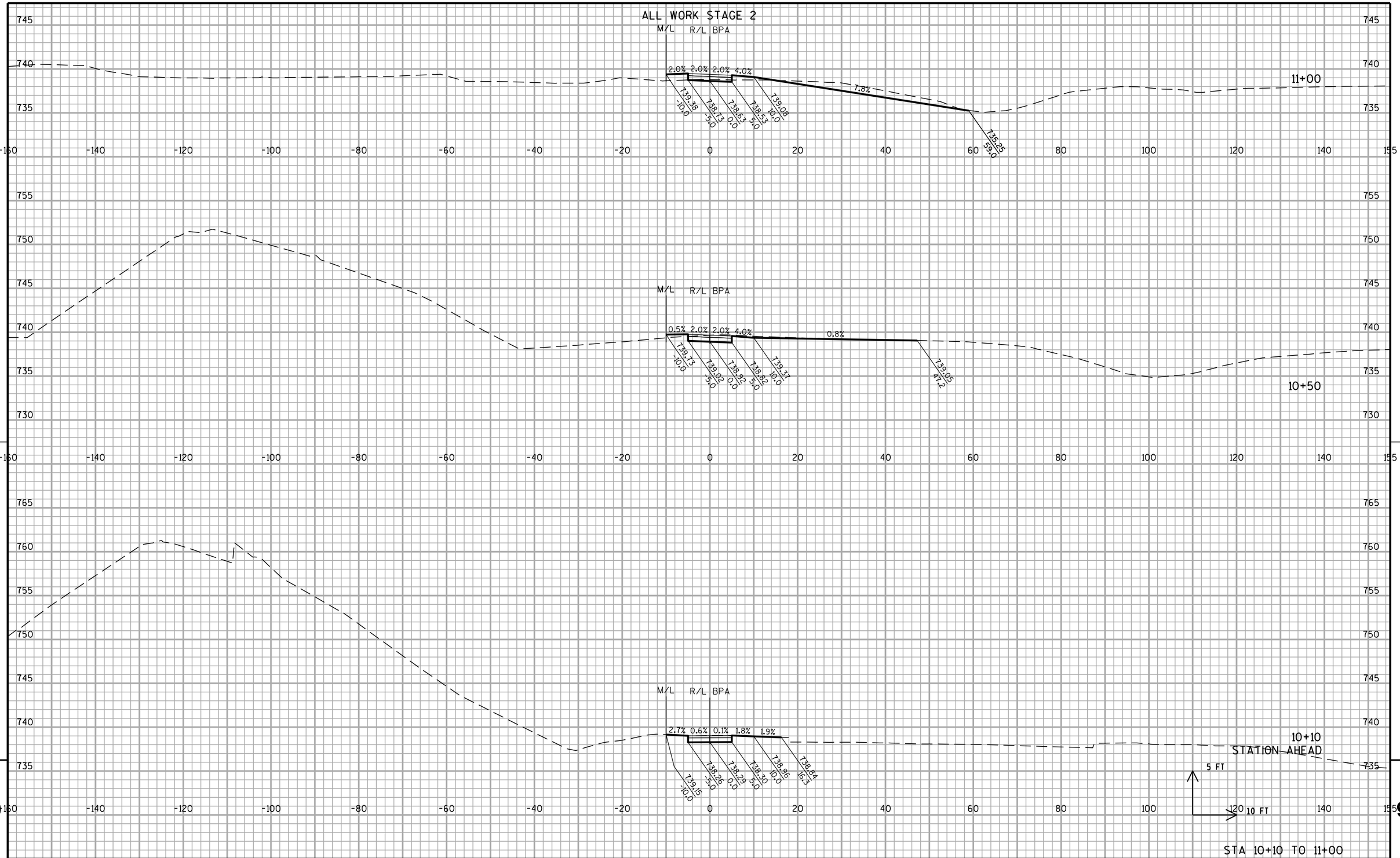


STA 193+01 TO 193+01

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: HANK AARON STATE TRAIL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090521_xs_ha.dgn PLOT DATE : 21-JUL-2015 09:57 PLOT BY : MSCSRW PLOT NAME : 090521_xs_ha95 PLOT SCALE : 20:1

ALL WORK STAGE 2



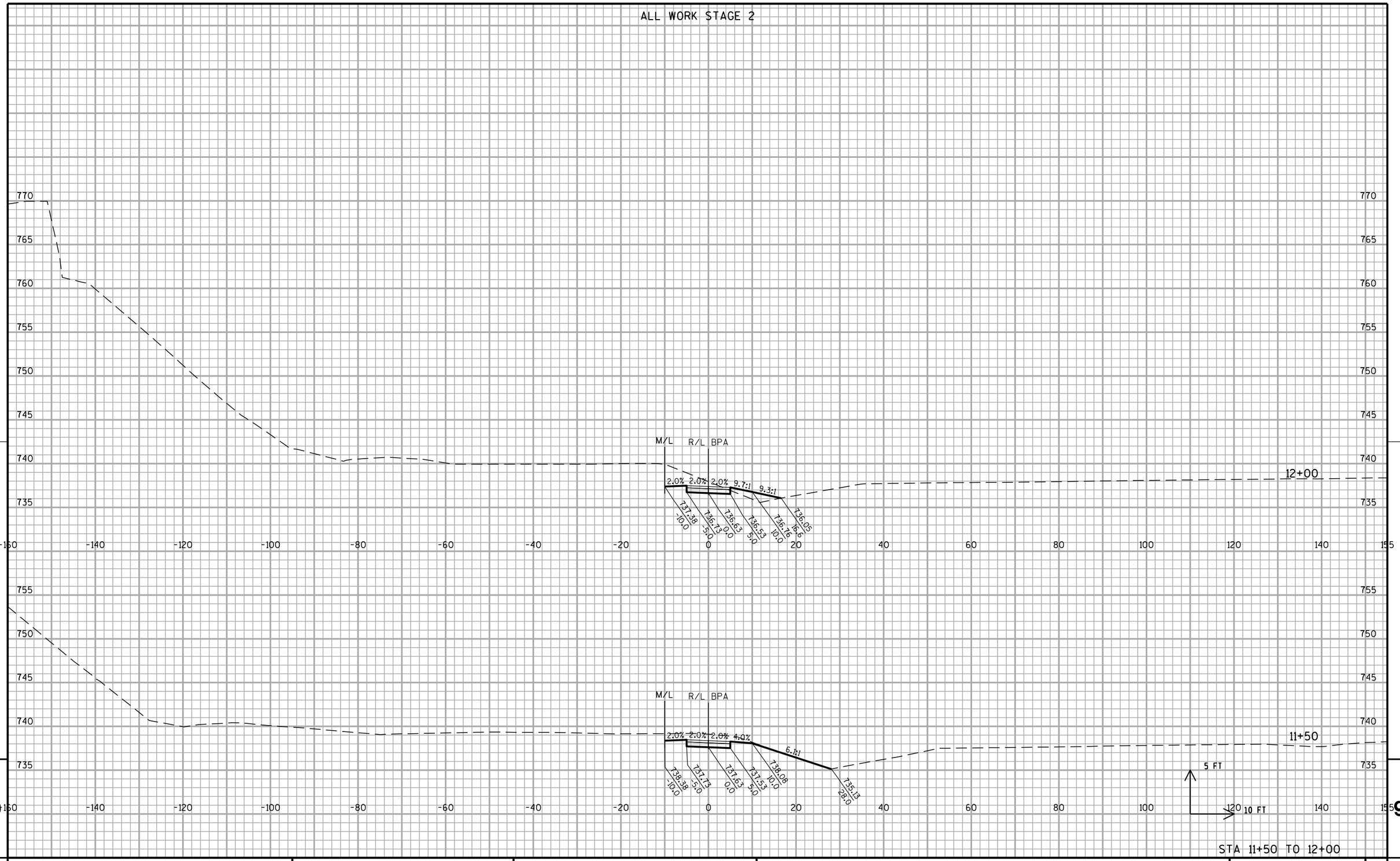
STA 10+10 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH A	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090522_xs_bpa.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090522_xs_bpa PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

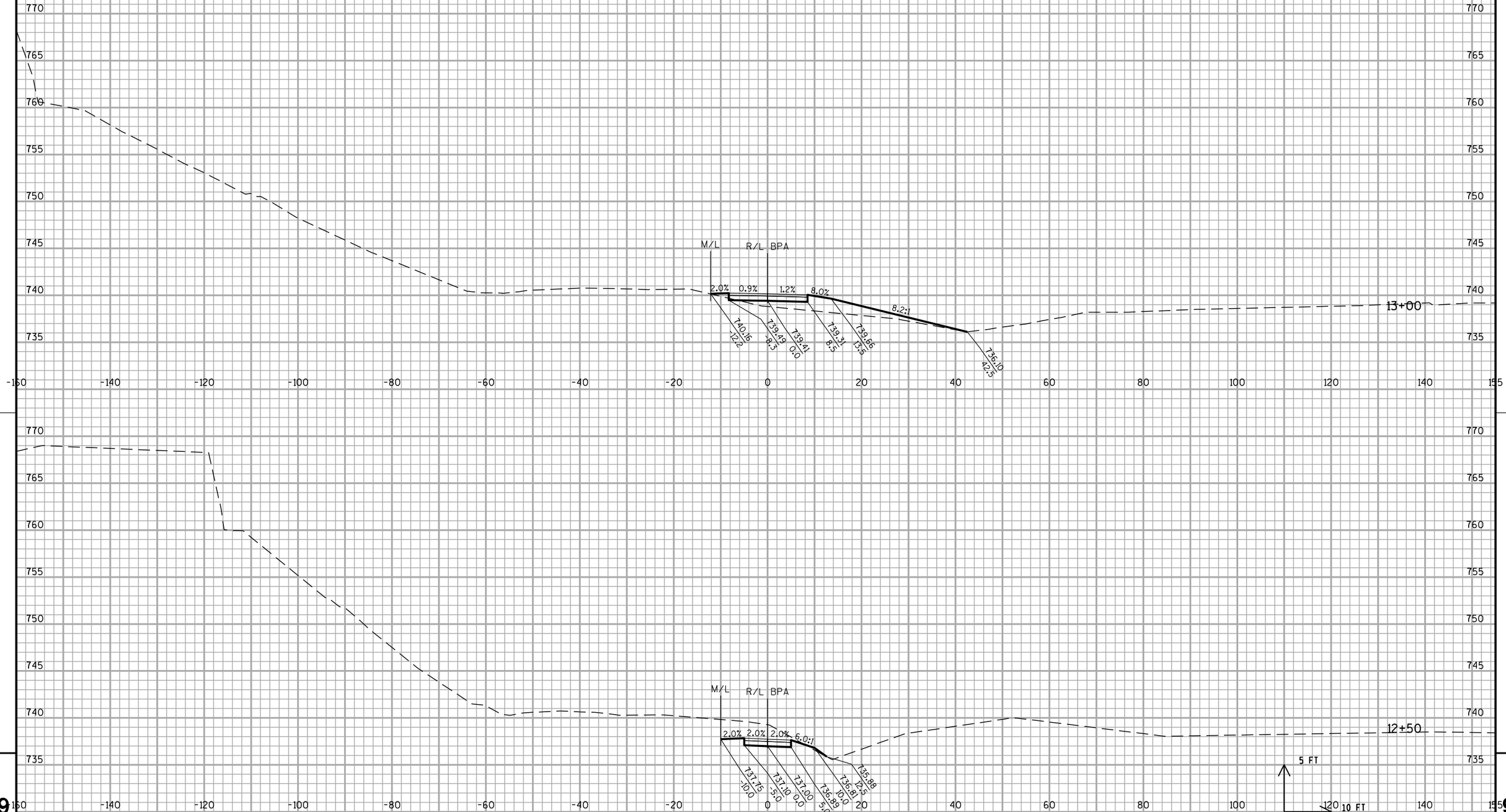


STA 11+50 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH A	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090522_xs_bpa.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090522_xs_bpal PLOT SCALE : 20:1

ALL WORK STAGE 2



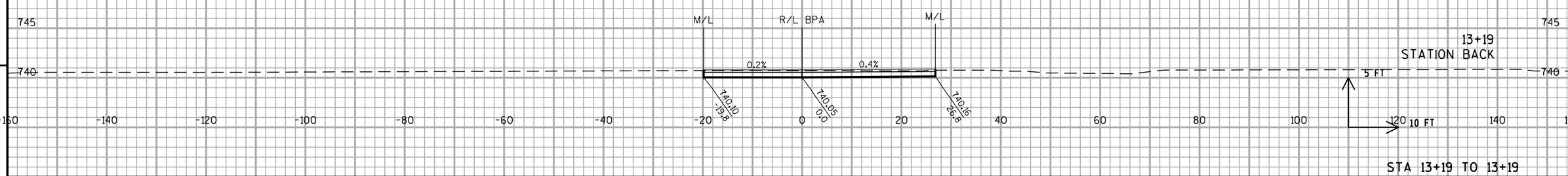
STA 12+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH A	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090522_xs_bpa.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090522_xs_bpa2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

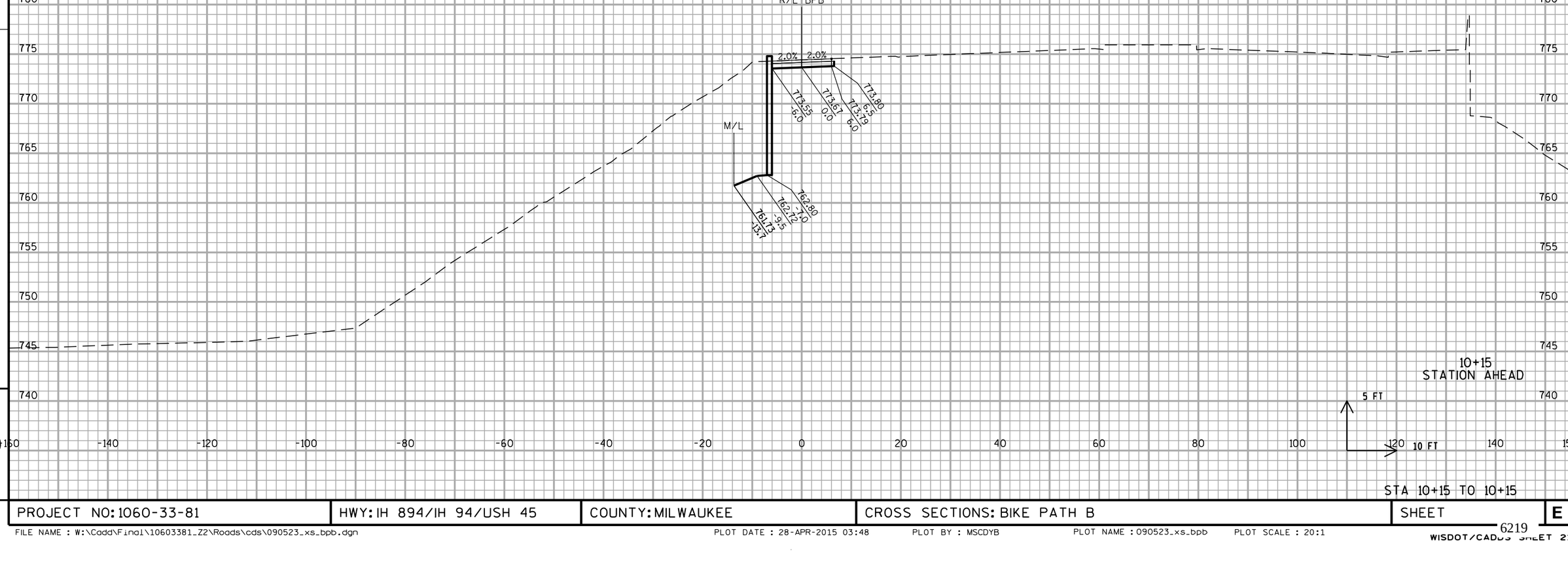
ALL WORK STAGE 2



STA 13+19 TO 13+19

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH A	SHEET	E

ALL WORK STAGE 2



STA 10+15 TO 10+15

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

R/L BPB

M/L

2.0% 2.0% 2.0% 2.0%

4.4:1

772.96 9.0

772.90 6.0

772.78 6.0

772.66 6.0

772.59 9.0

772.35 -11.5

770.01 10.3

2.5:1

766.05 -39.4

763.27 27.2

11+00

R/L BPB

2.0% 2.0%

774.20 8.6

773.94 9.0

773.88 9.5

773.97 6.0

773.85 0.0

773.73 -5.0

M/L

5.3:1

763.97 -1.9

763.89 9.0

762.85 -14.0

10+50

5 FT

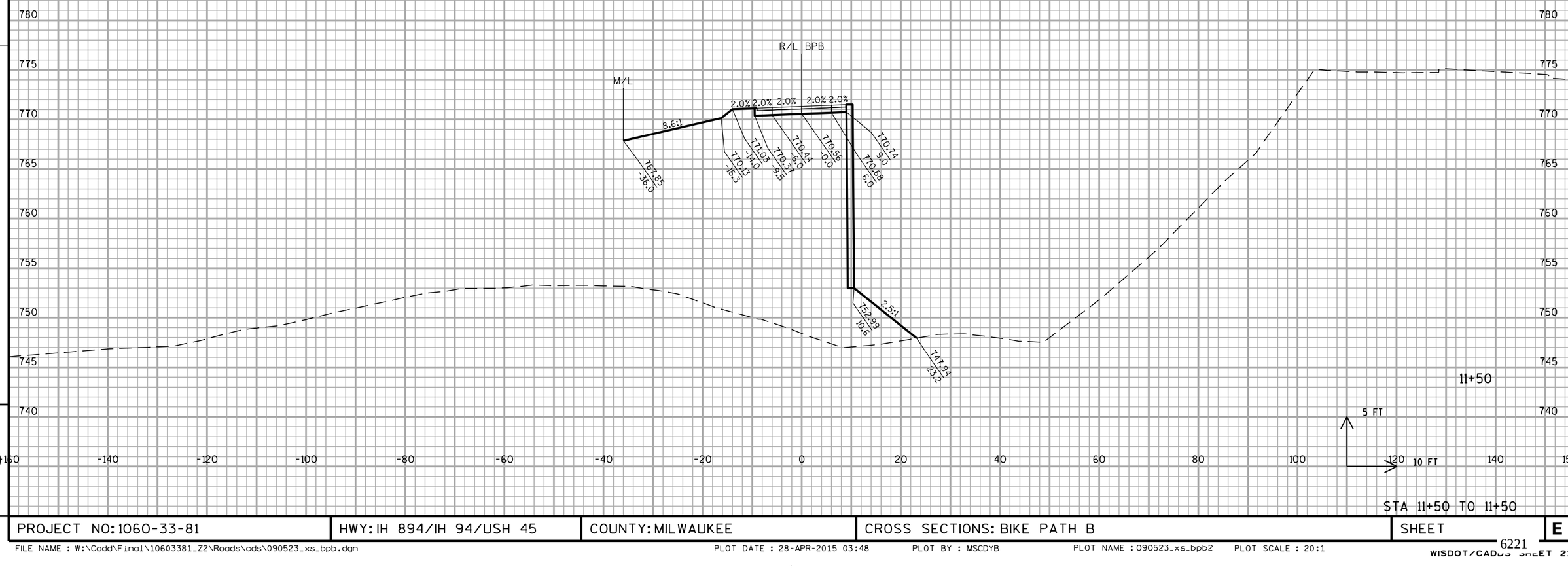
10 FT

STA 10+50 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb1 PLOT SCALE : 20:1

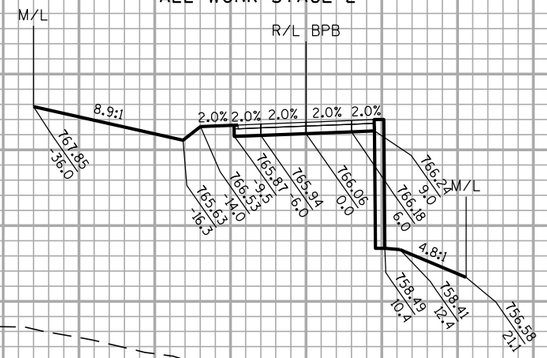
ALL WORK STAGE 2



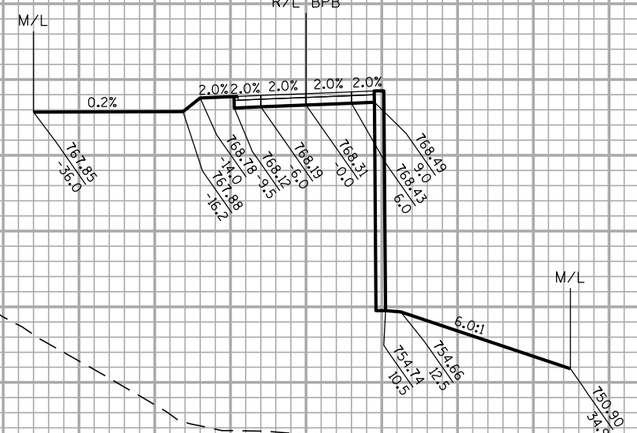
STA 11+50 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

ALL WORK STAGE 2



12+50



12+00

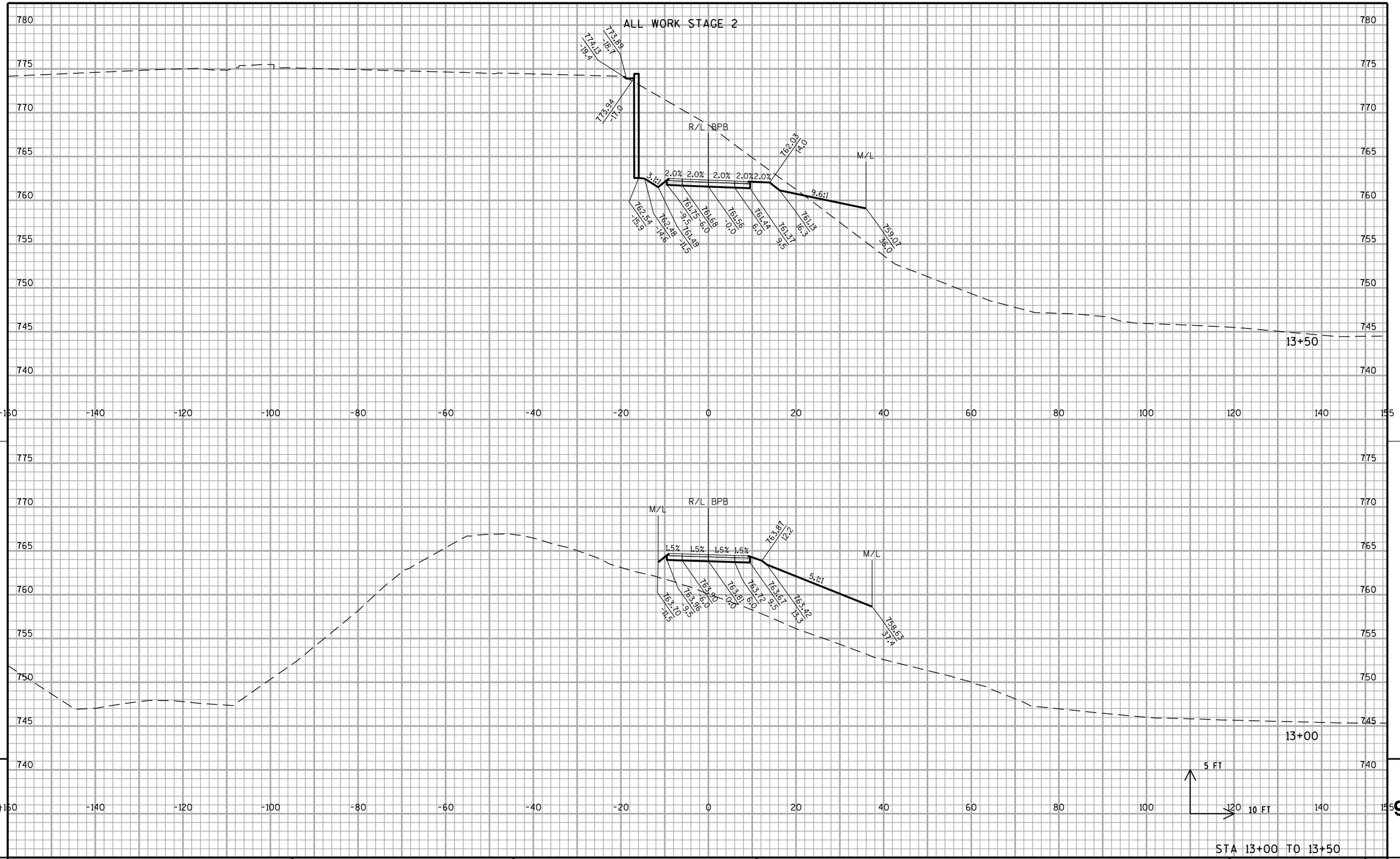
5 FT
10 FT

STA 12+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

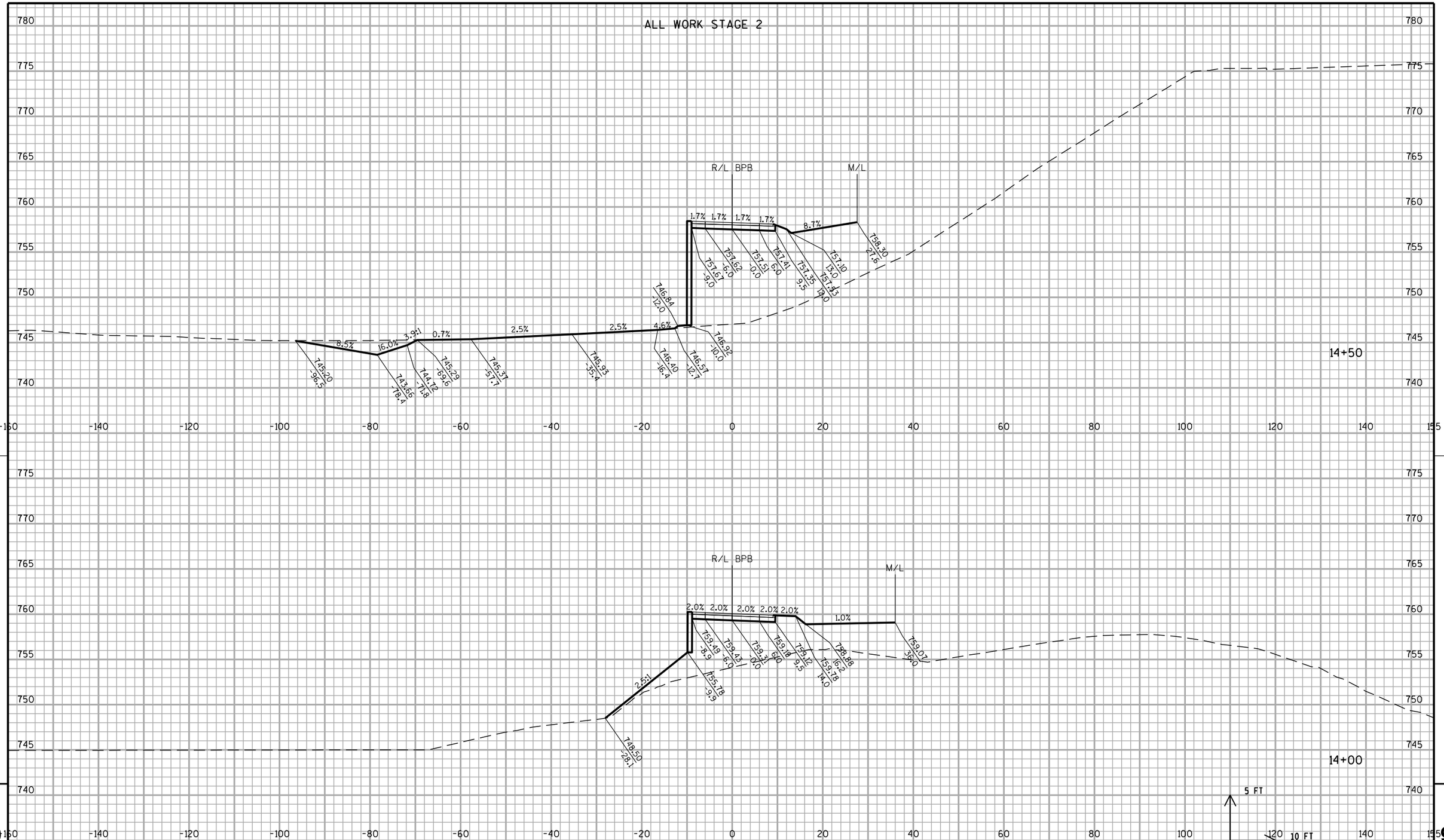
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

ALL WORK STAGE 2

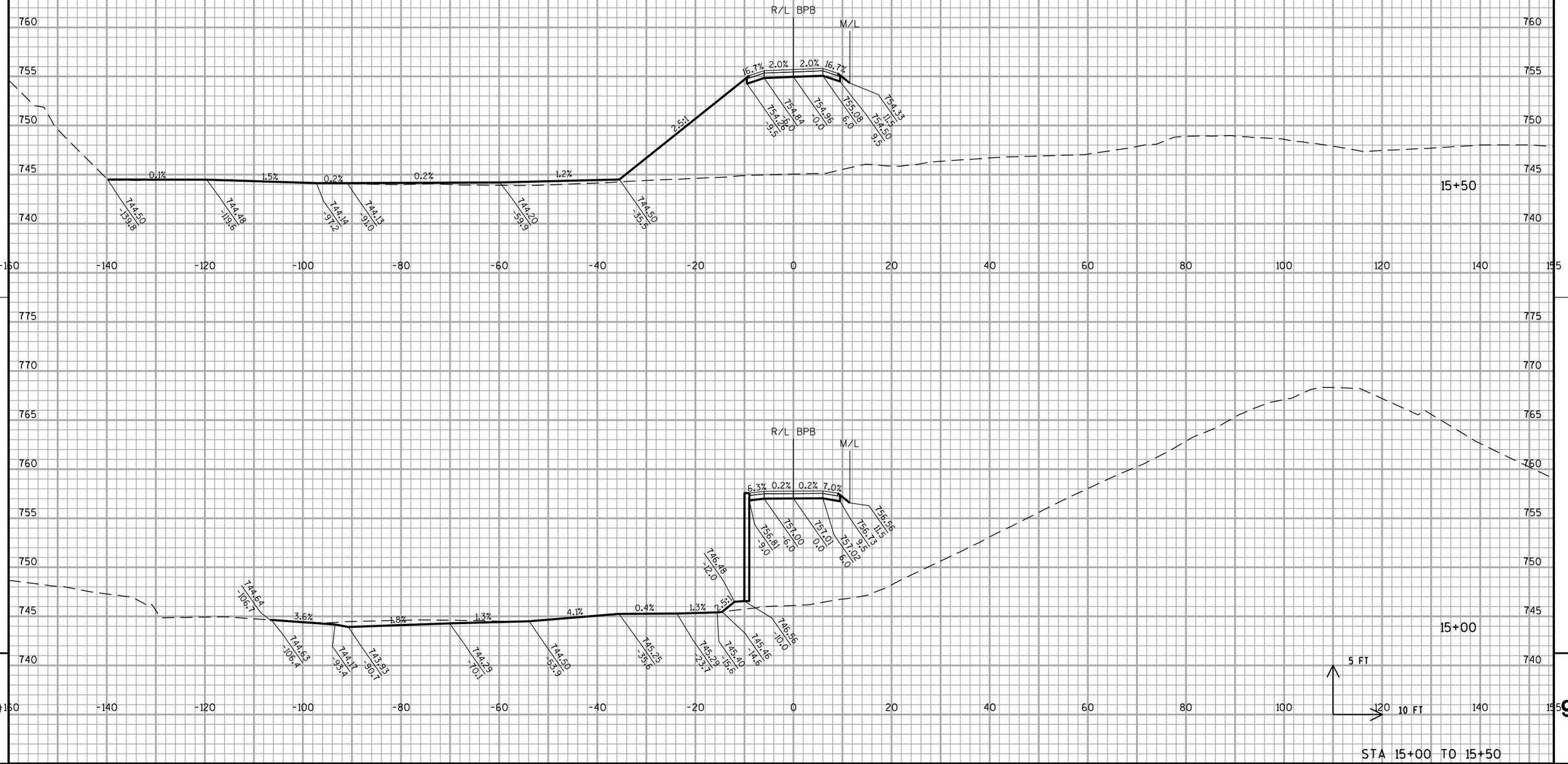


STA 14+00 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb5 PLOT SCALE : 20:1

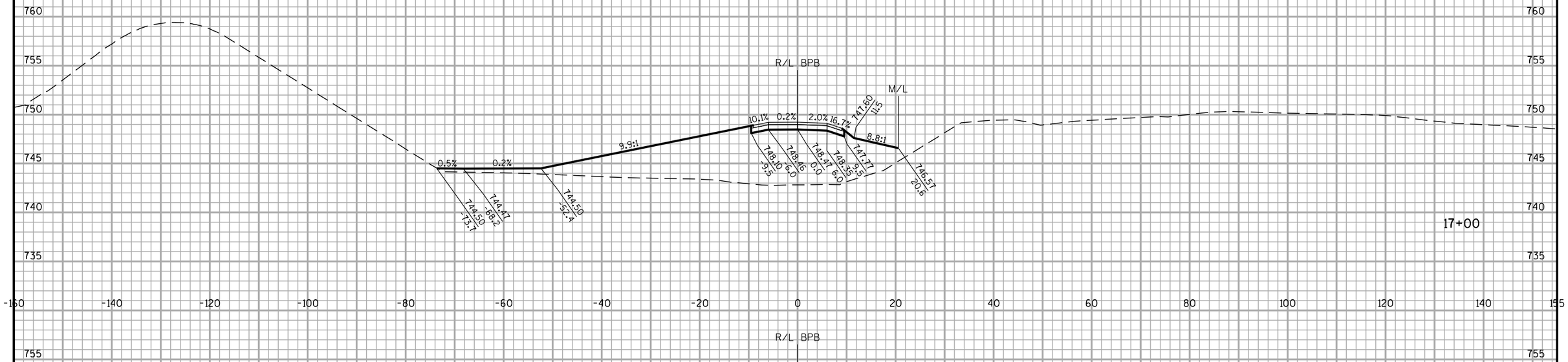
ALL WORK STAGE 2

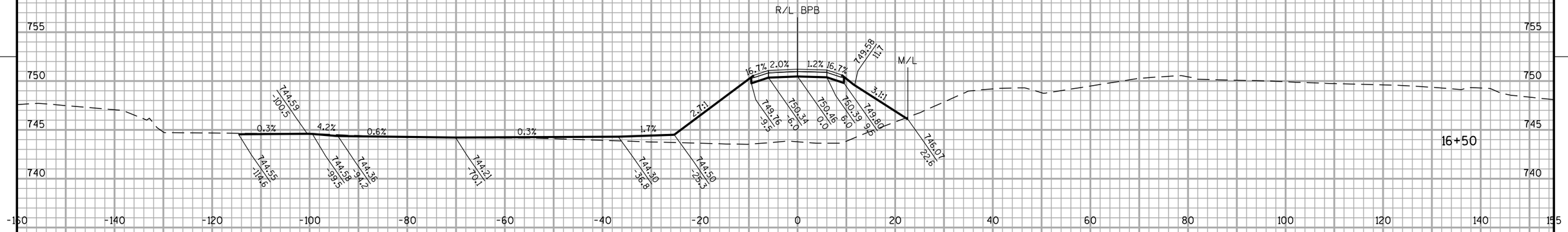


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb6 PLOT SCALE : 20:1

ALL WORK STAGE 2



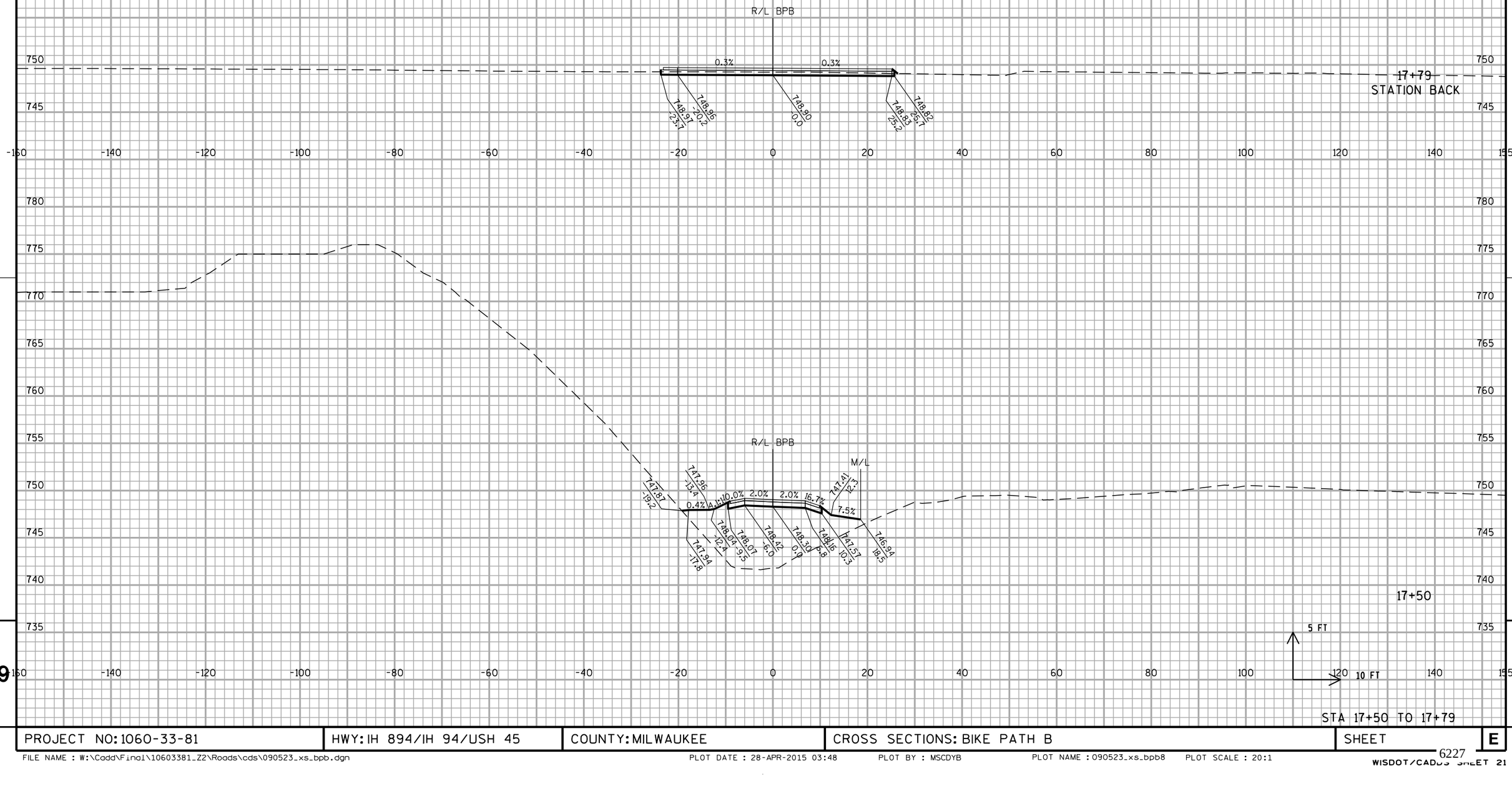


STA 16+00 TO 17+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb7 PLOT SCALE : 20:1

ALL WORK STAGE 2

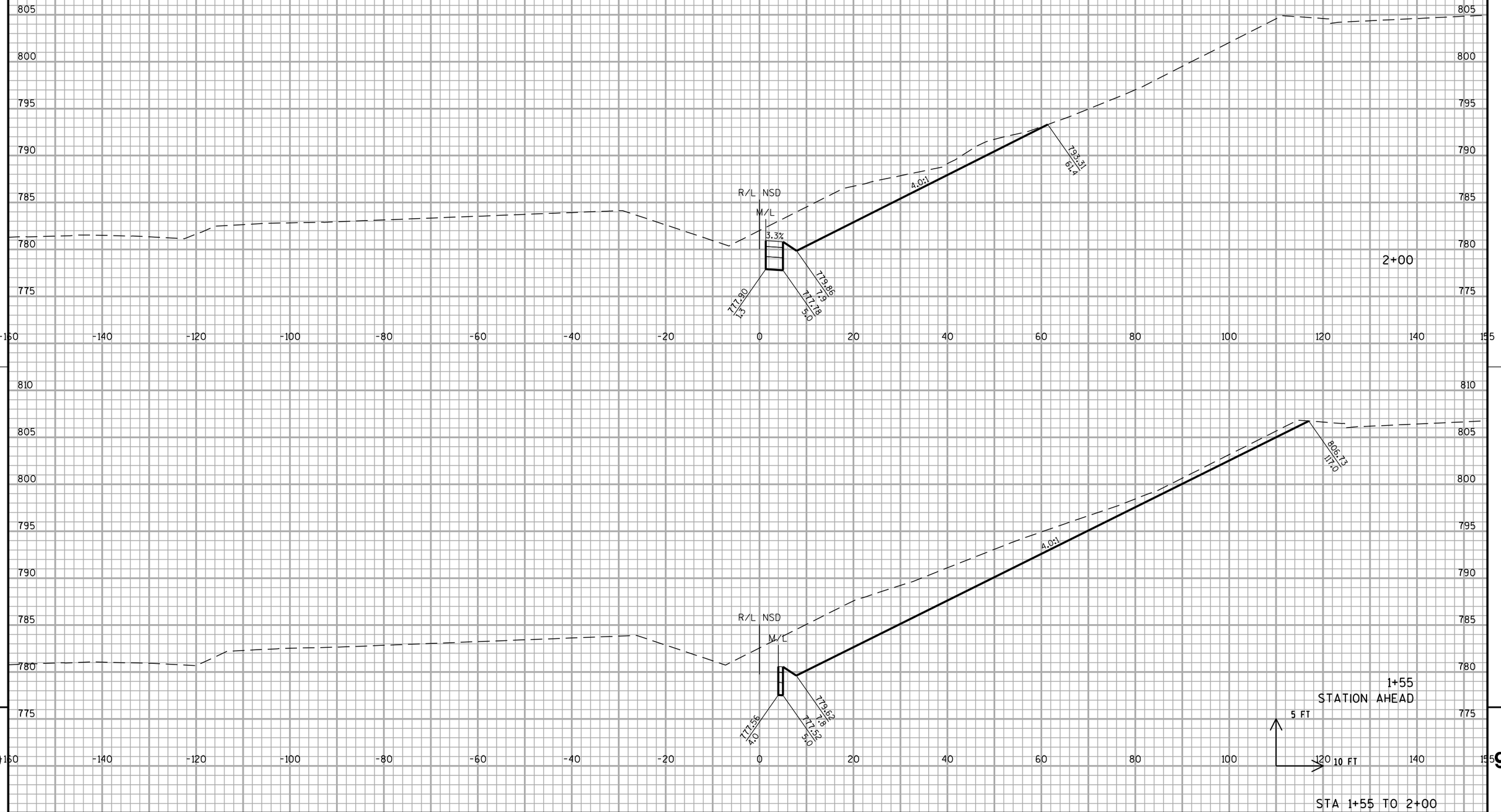


STA 17+50 TO 17+79

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BIKE PATH B	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090523_xs_bpb.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090523_xs_bpb8 PLOT SCALE : 20:1

ALL WORK STAGE 2

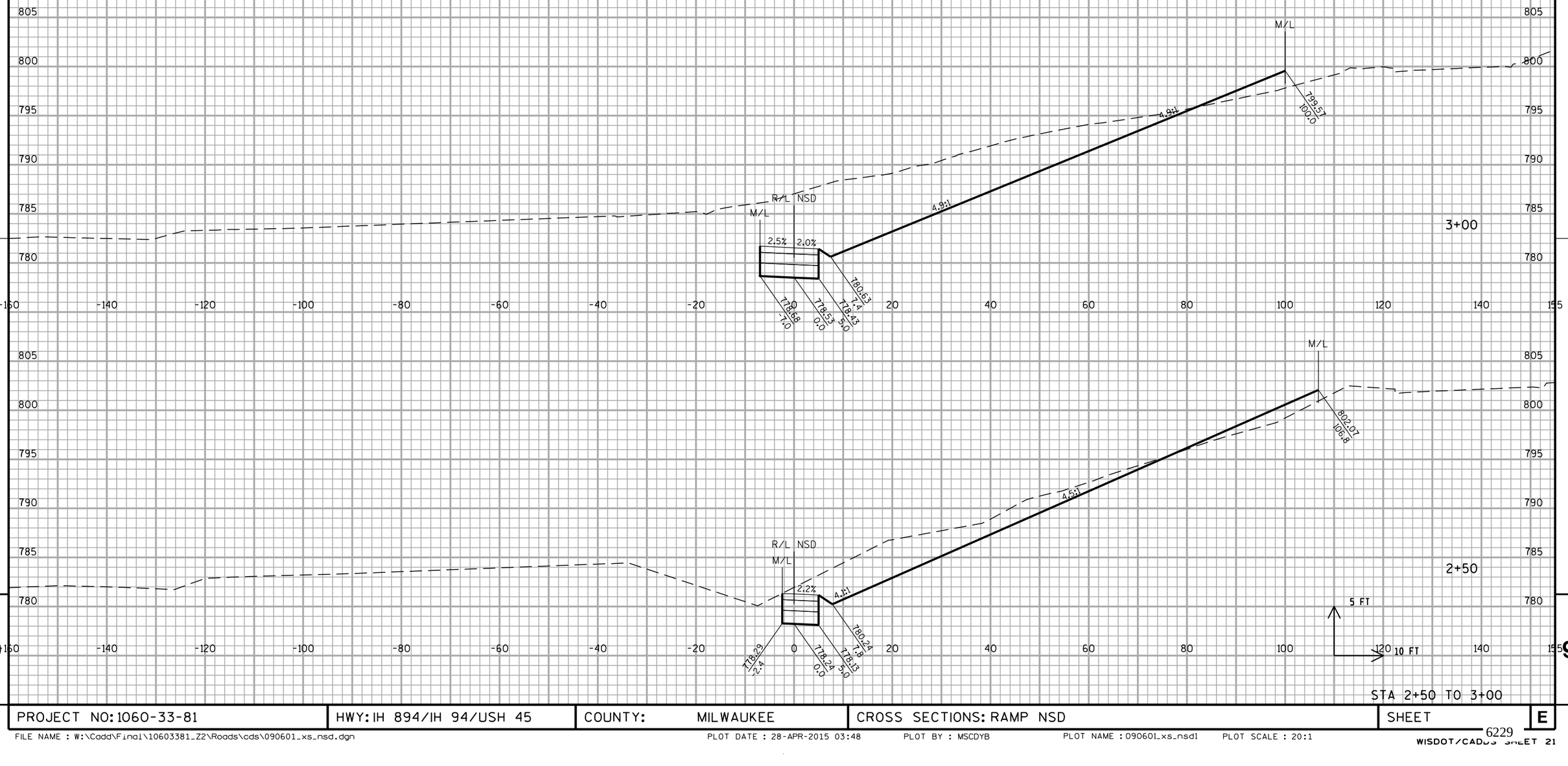


STA 1+55 TO 2+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd PLOT SCALE : 20:1

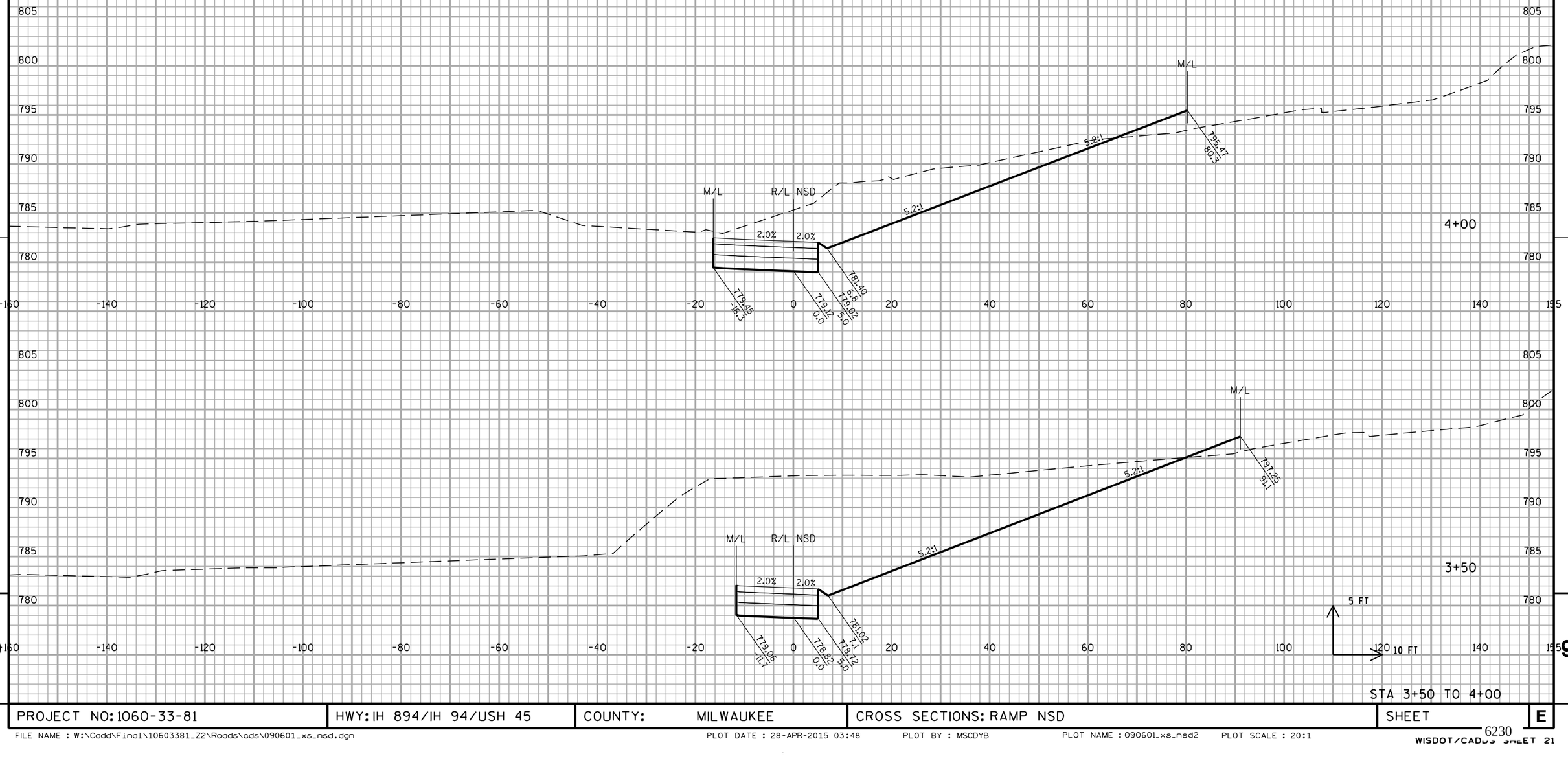
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd1 PLOT SCALE : 20:1

ALL WORK STAGE 2



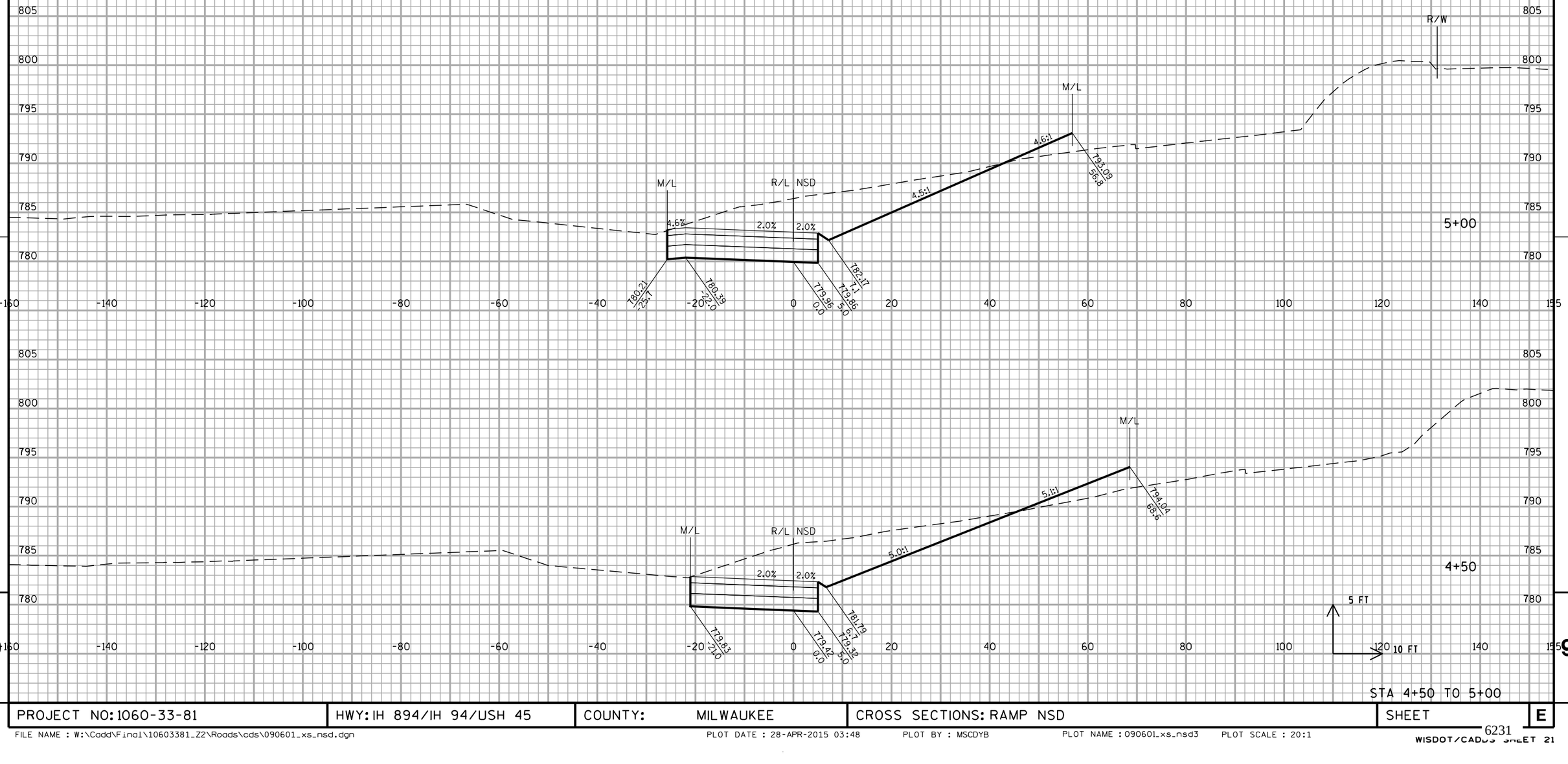
STA 3+50 TO 4+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

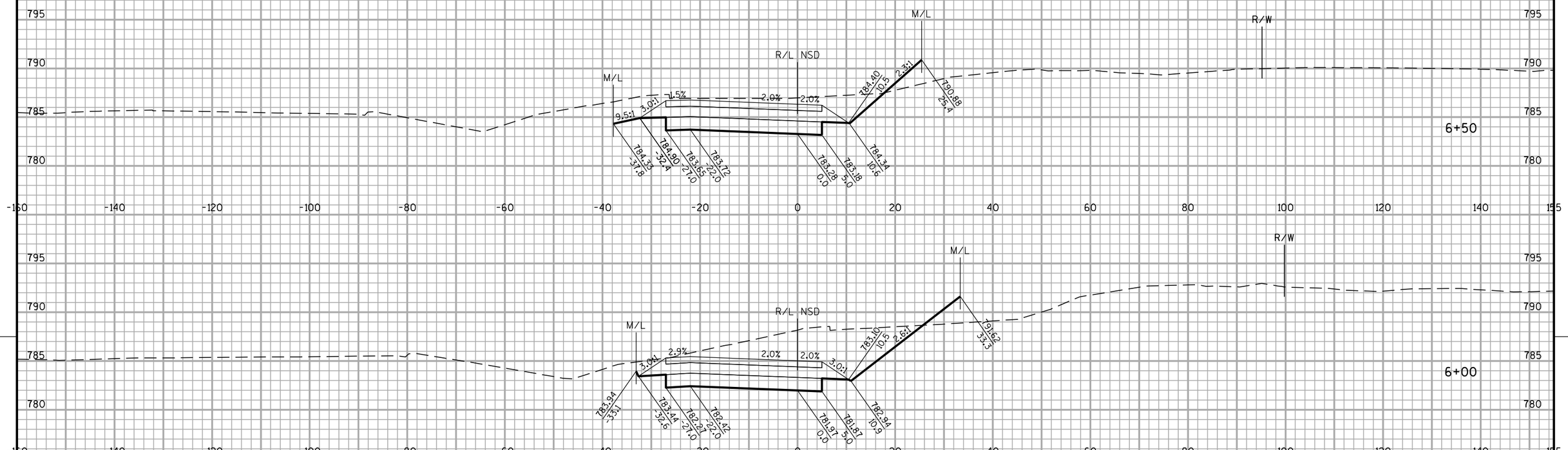


STA 4+50 TO 5+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd3 PLOT SCALE : 20:1

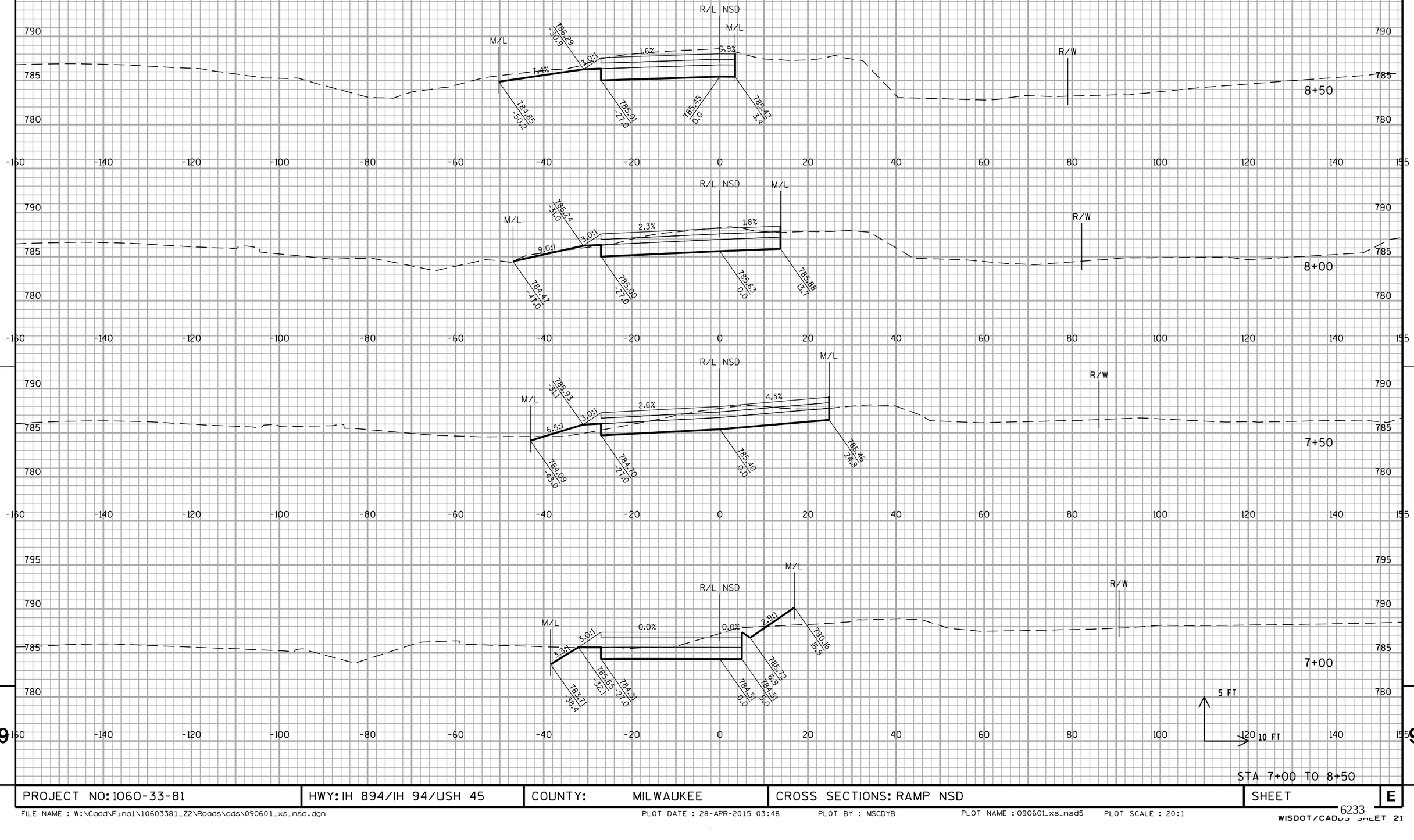
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd4 PLOT SCALE : 20:1

ALL WORK STAGE 2



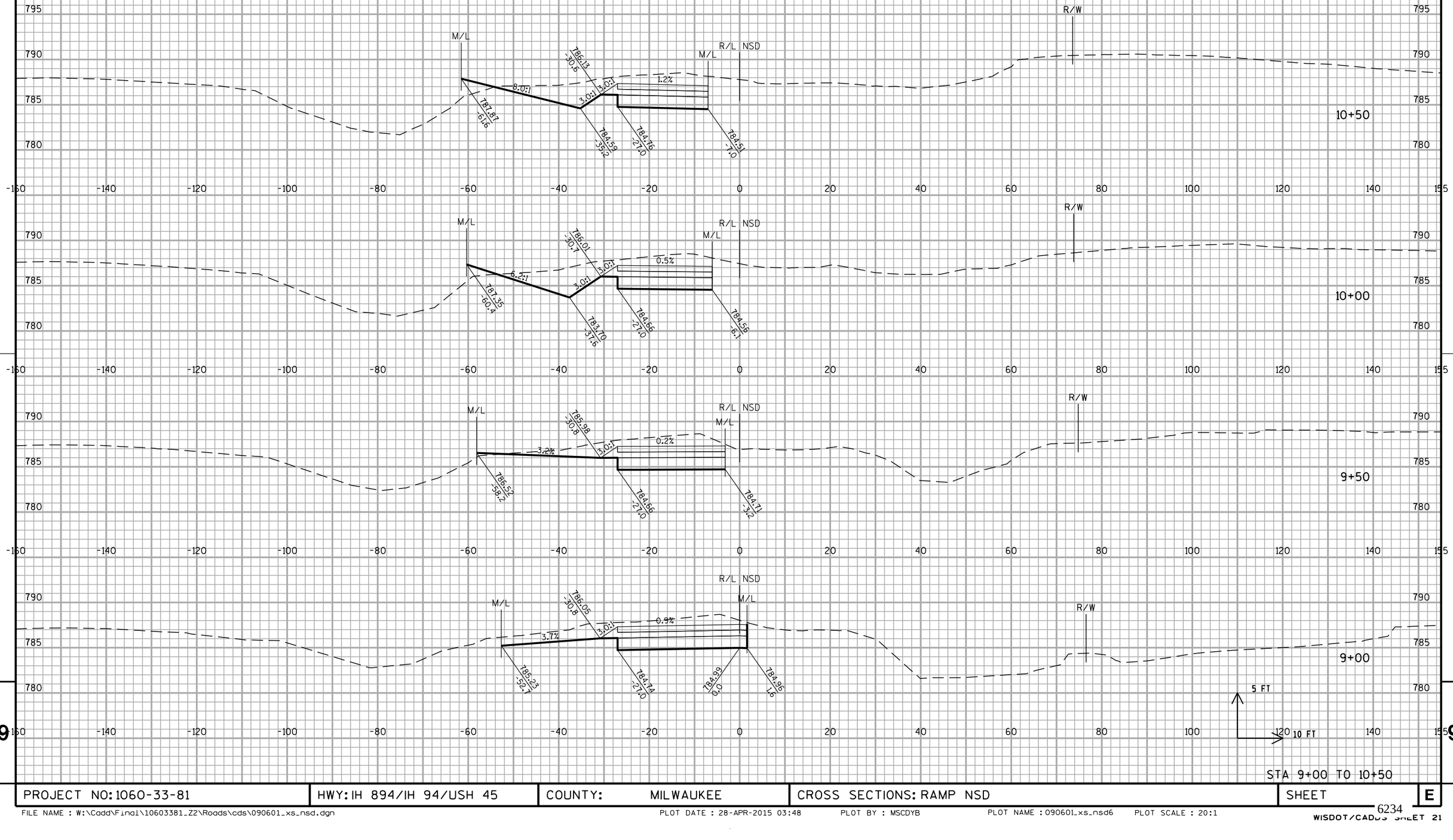
STA 7+00 TO 8+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

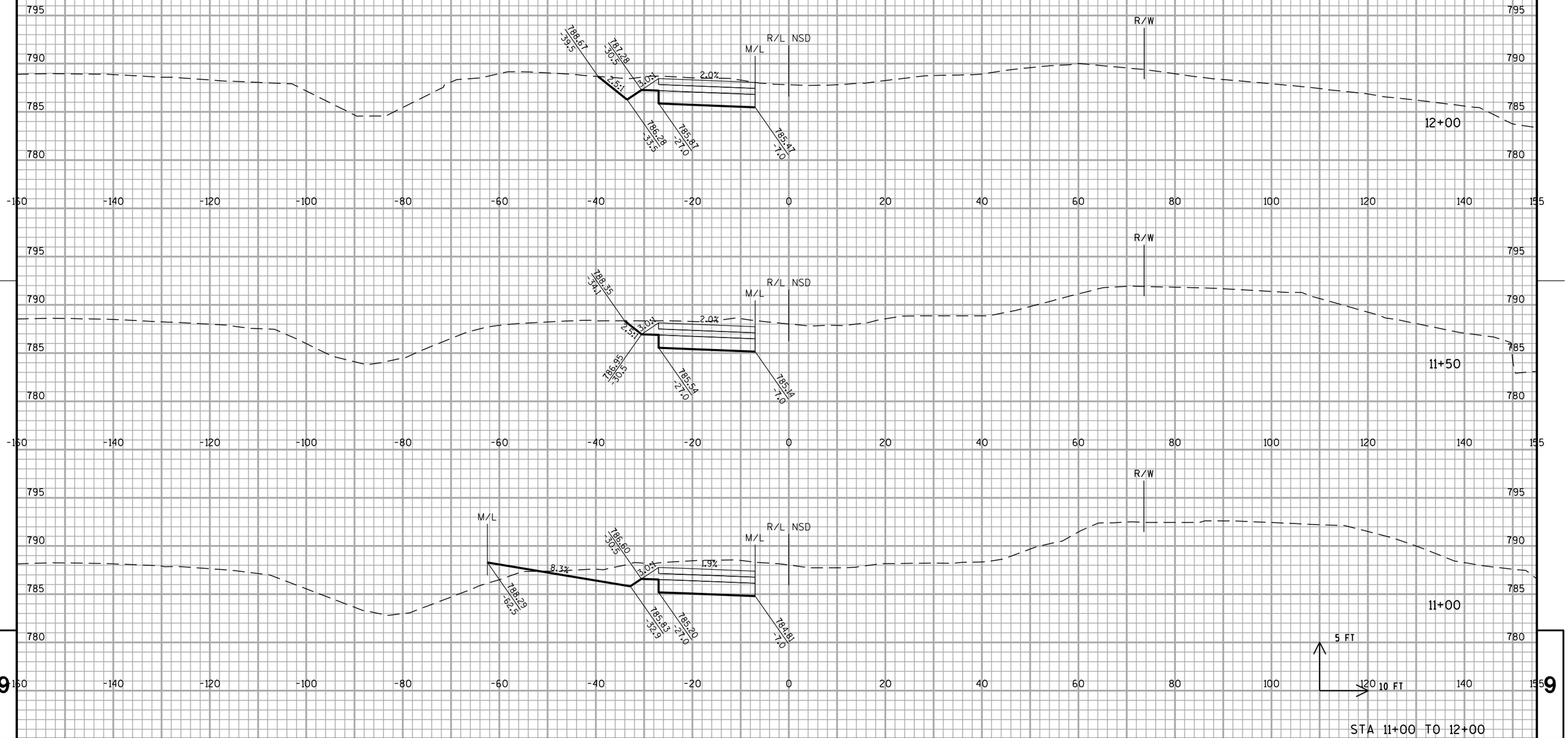


STA 9+00 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd6 PLOT SCALE : 20:1

ALL WORK STAGE 2



STA 11+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd7 PLOT SCALE : 20:1

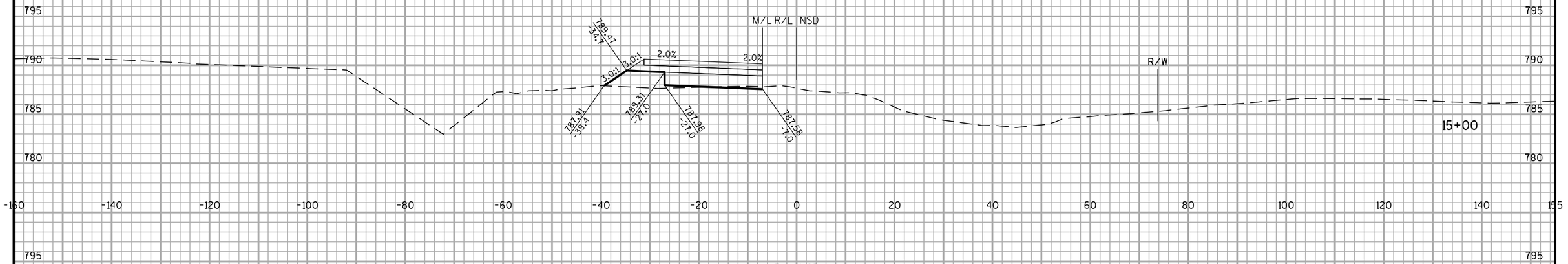
ALL WORK STAGE 2

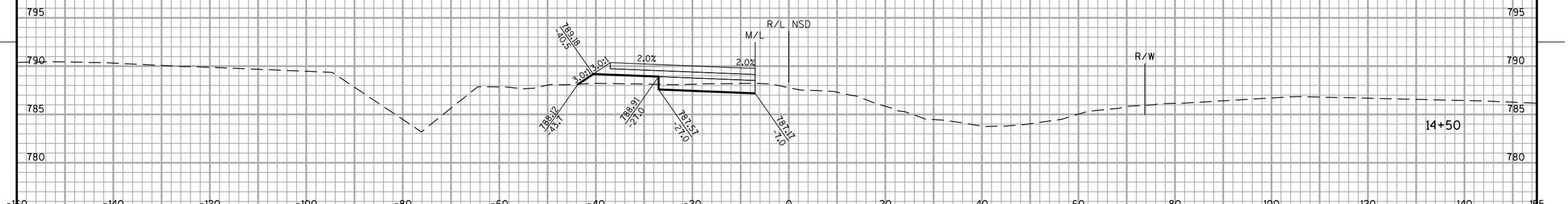
STA 12+50 TO 13+50

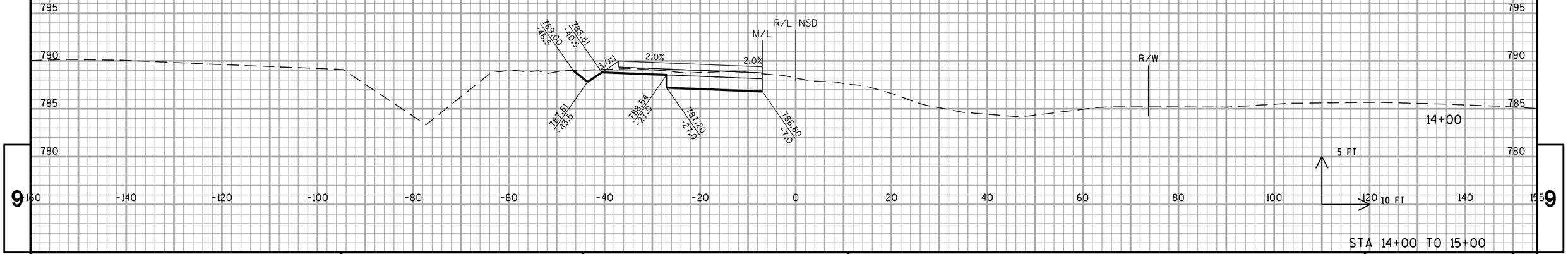
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd8 PLOT SCALE : 20:1

ALL WORK STAGE 2





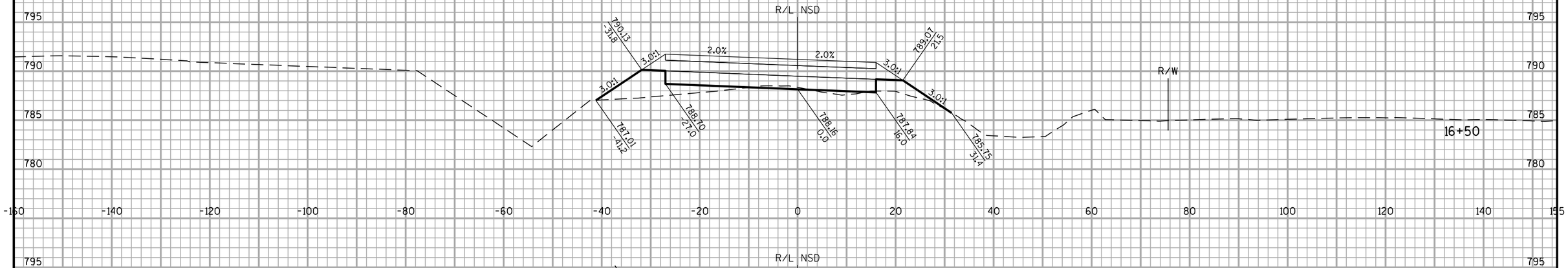


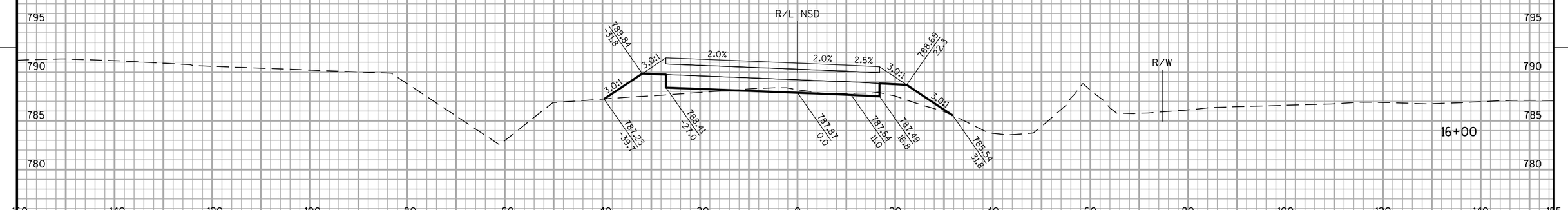
STA 14+00 TO 15+00

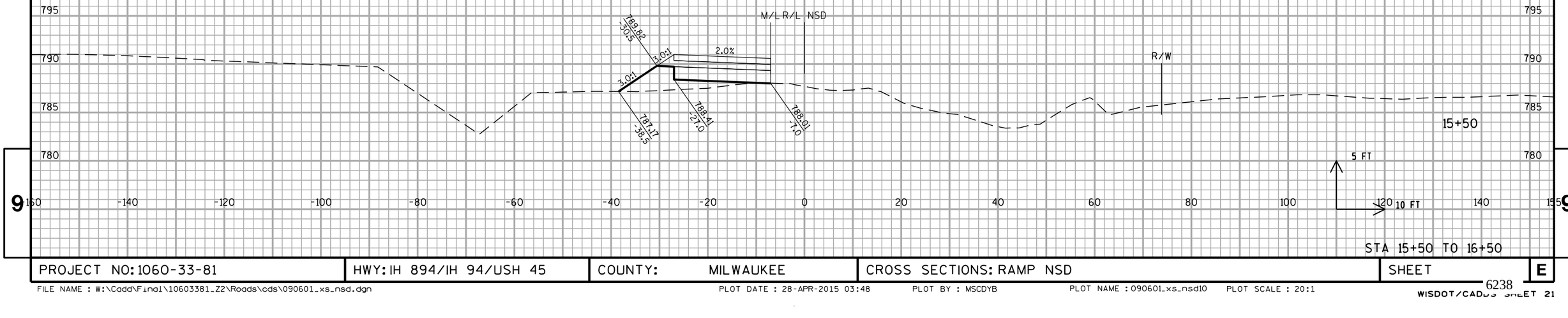
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd9 PLOT SCALE : 20:1

ALL WORK STAGE 2



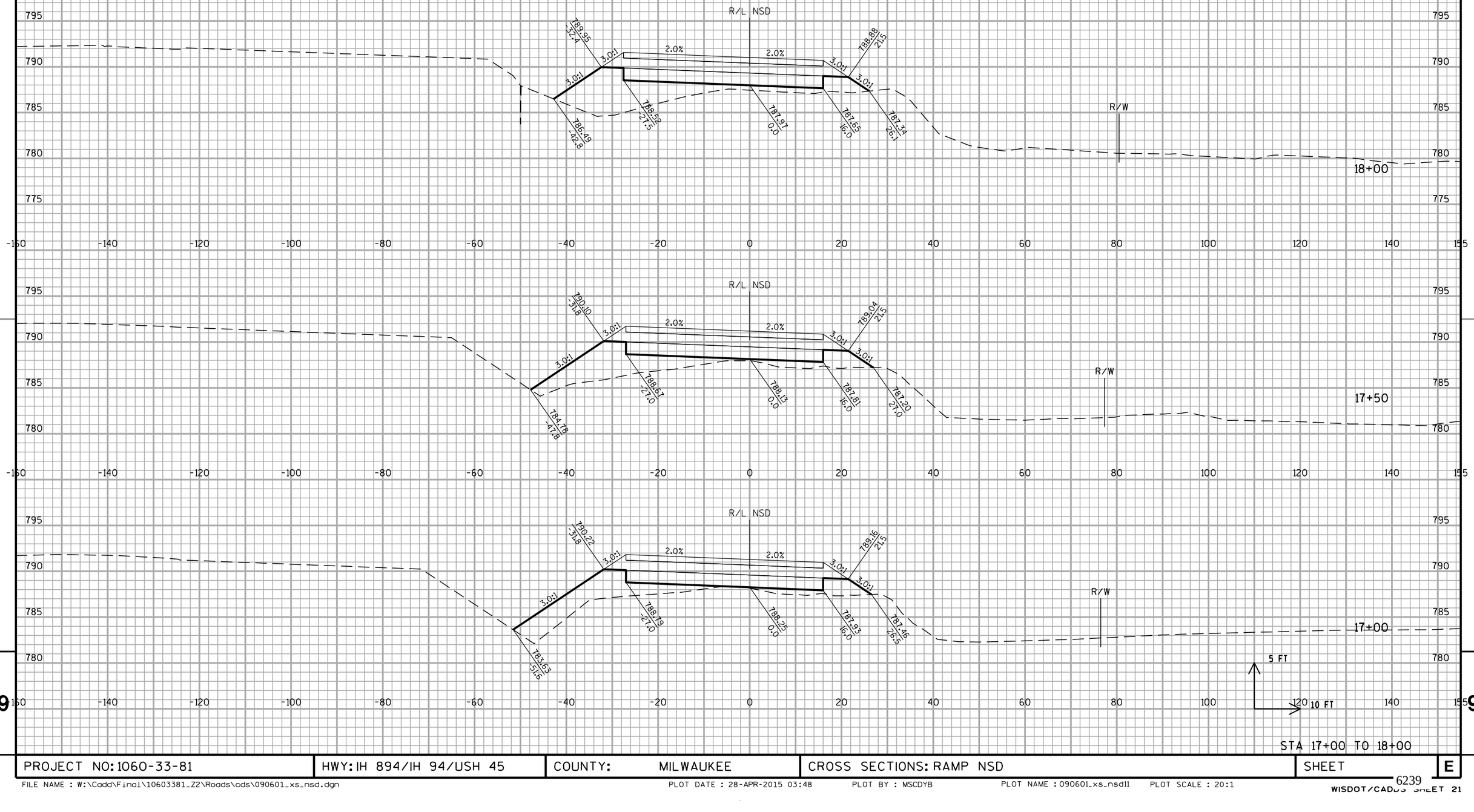




STA 15+50 TO 16+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

ALL WORK STAGE 2

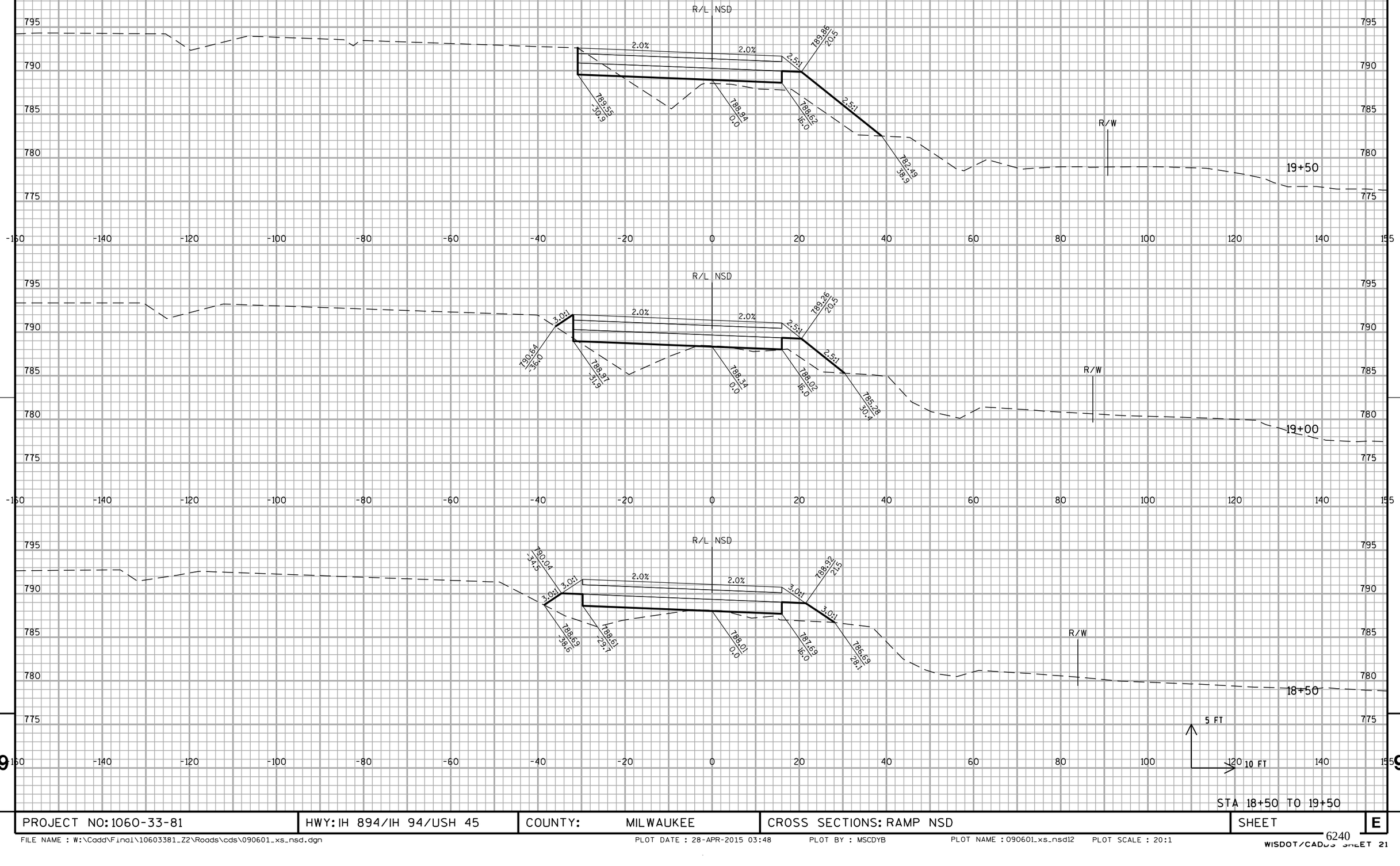


STA 17+00 TO 18+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd11 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

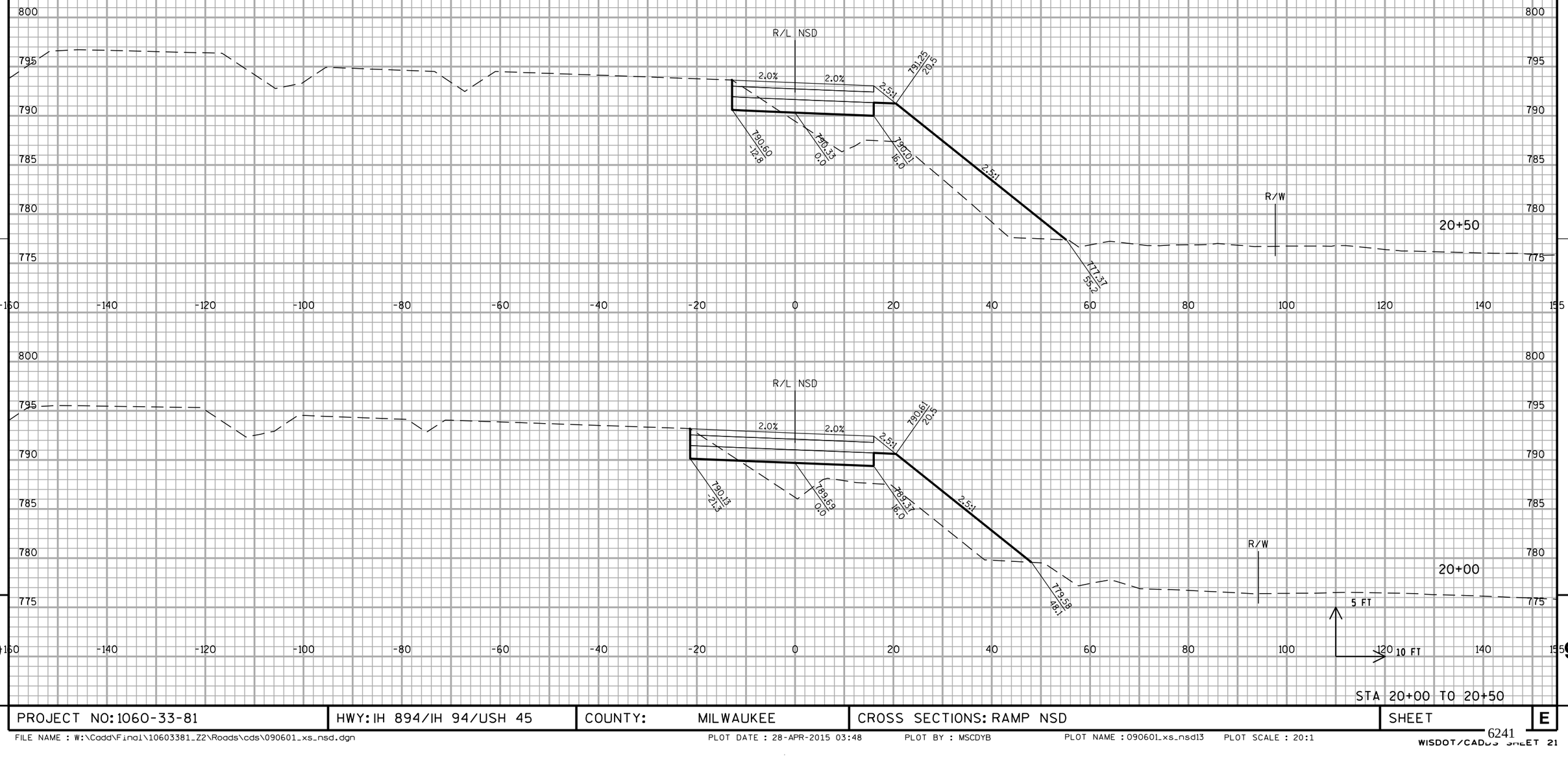
9

STA 18+50 TO 19+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd12 PLOT SCALE : 20:1

ALL WORK STAGE 2

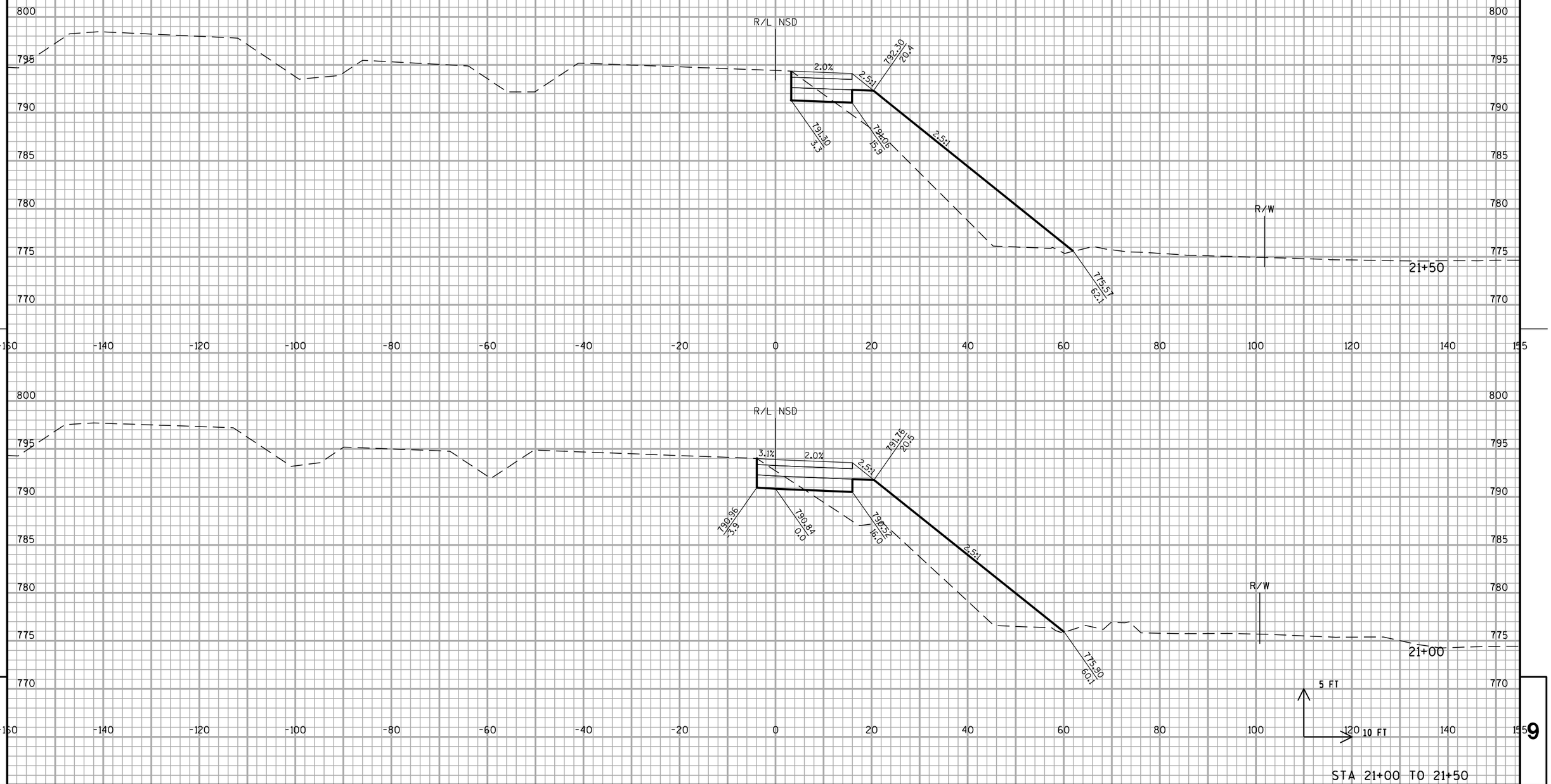


STA 20+00 TO 20+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd13 PLOT SCALE : 20:1

ALL WORK STAGE 2

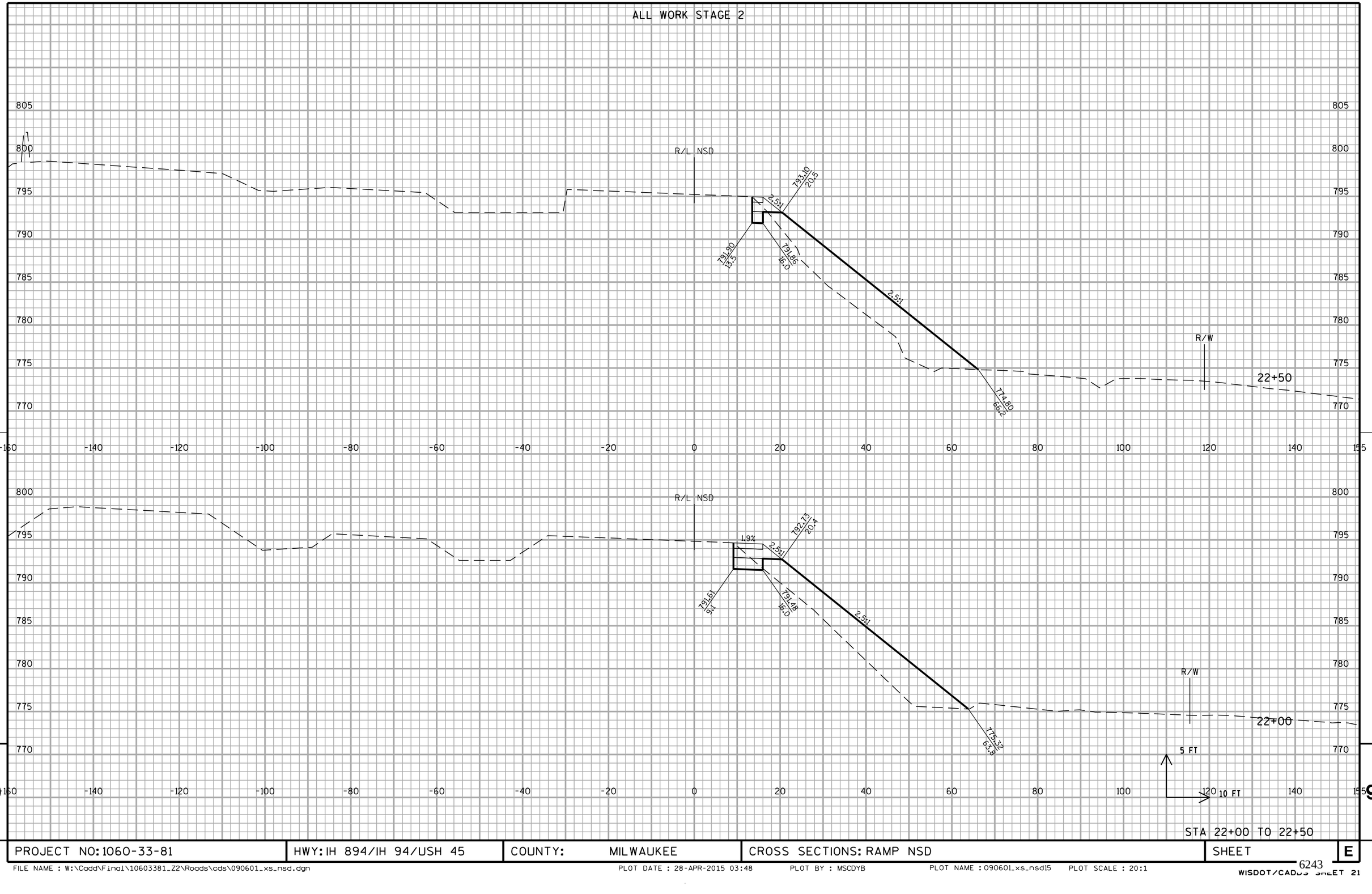


STA 21+00 TO 21+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd14 PLOT SCALE : 20:1

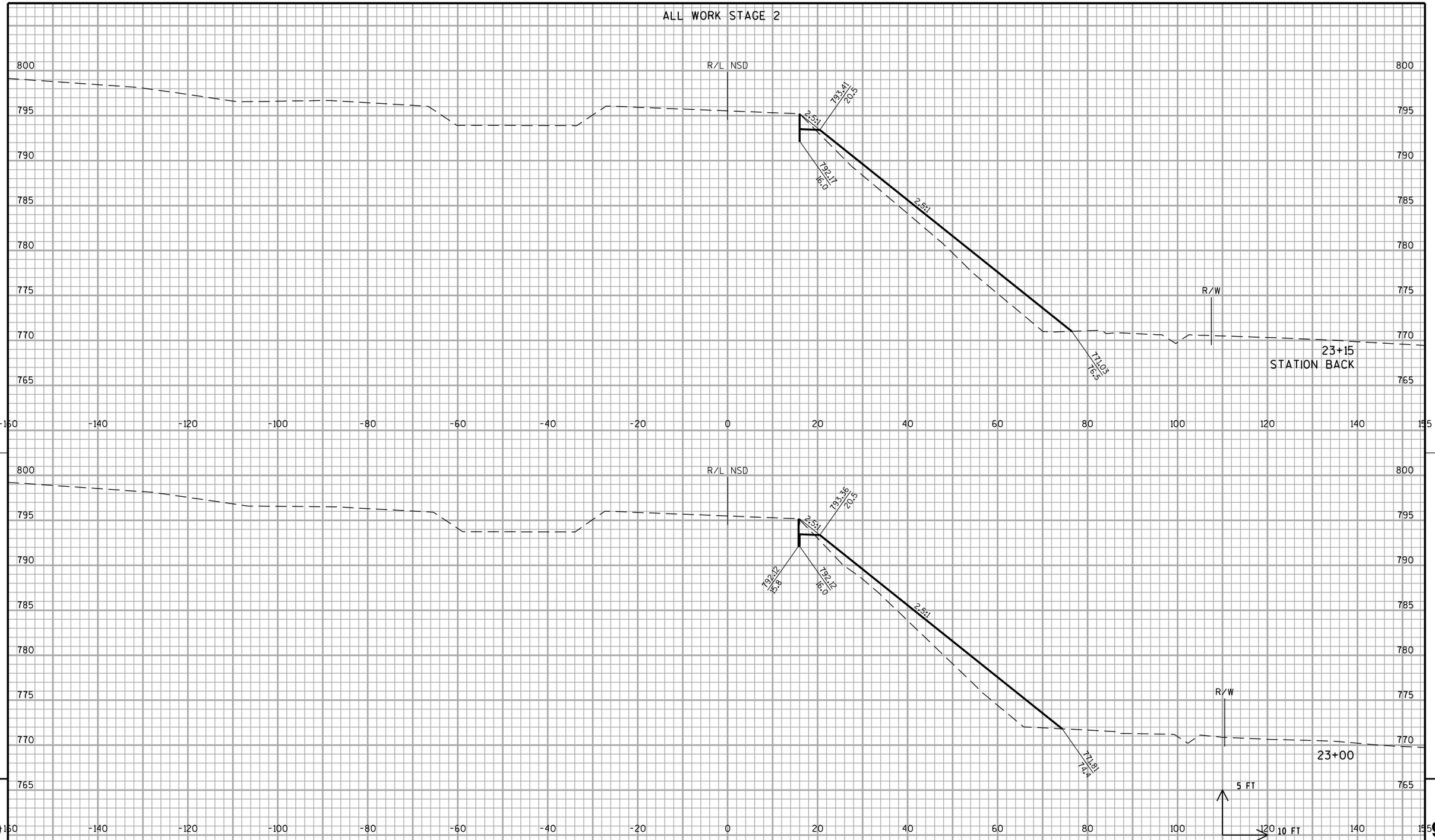
ALL WORK STAGE 2



STA 22+00 TO 22+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET E

ALL WORK STAGE 2

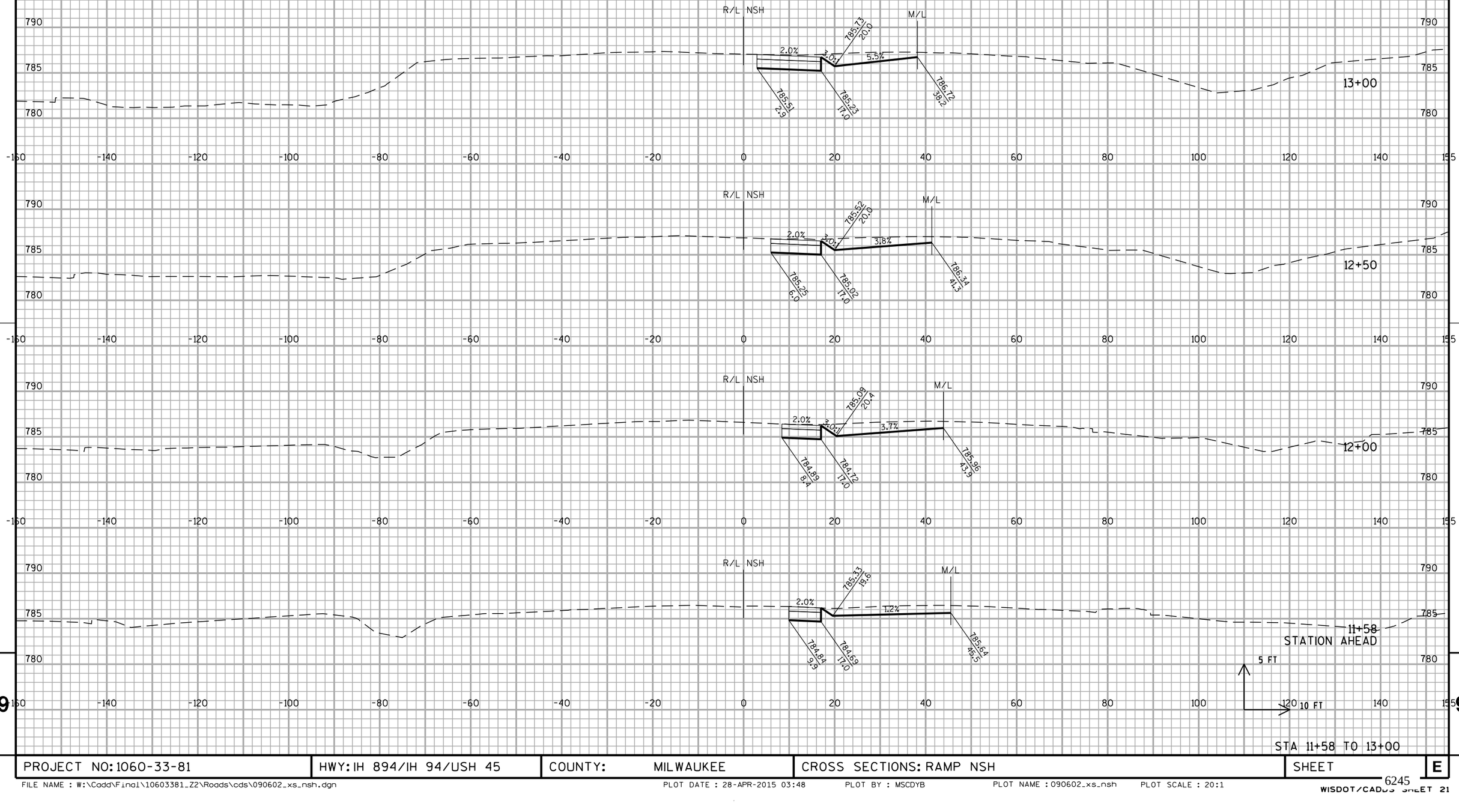


STA 23+00 TO 23+15

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090601_xs_nsd.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090601_xs_nsd16 PLOT SCALE : 20:1

ALL WORK STAGE 3



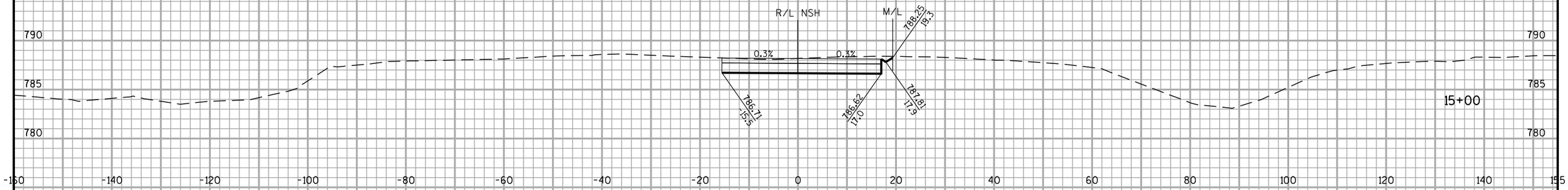
STA 11+58 TO 13+00

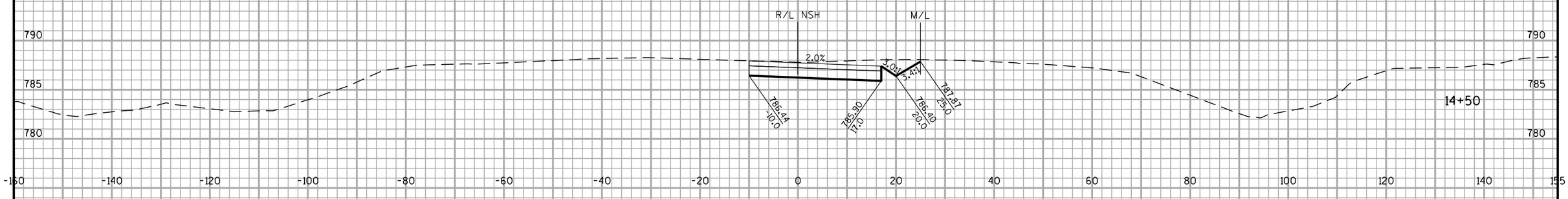
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090602_xs_nsh.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090602_xs_nsh PLOT SCALE : 20:1

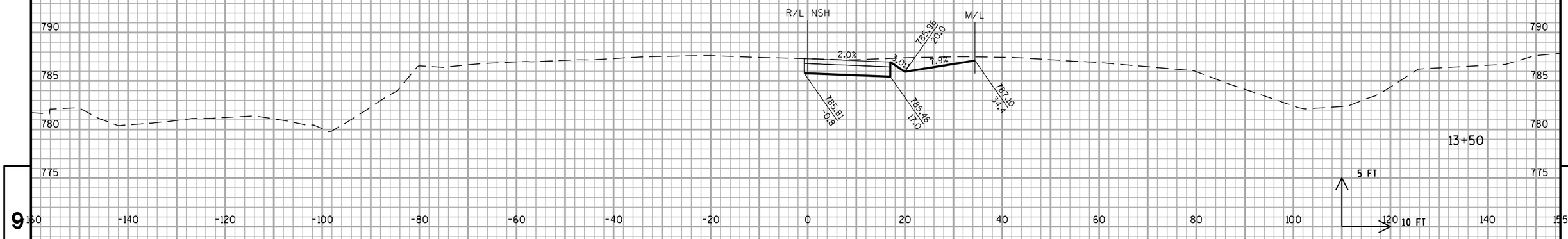
WISDOT/CADDS SHEET 21

ALL WORK STAGE 3







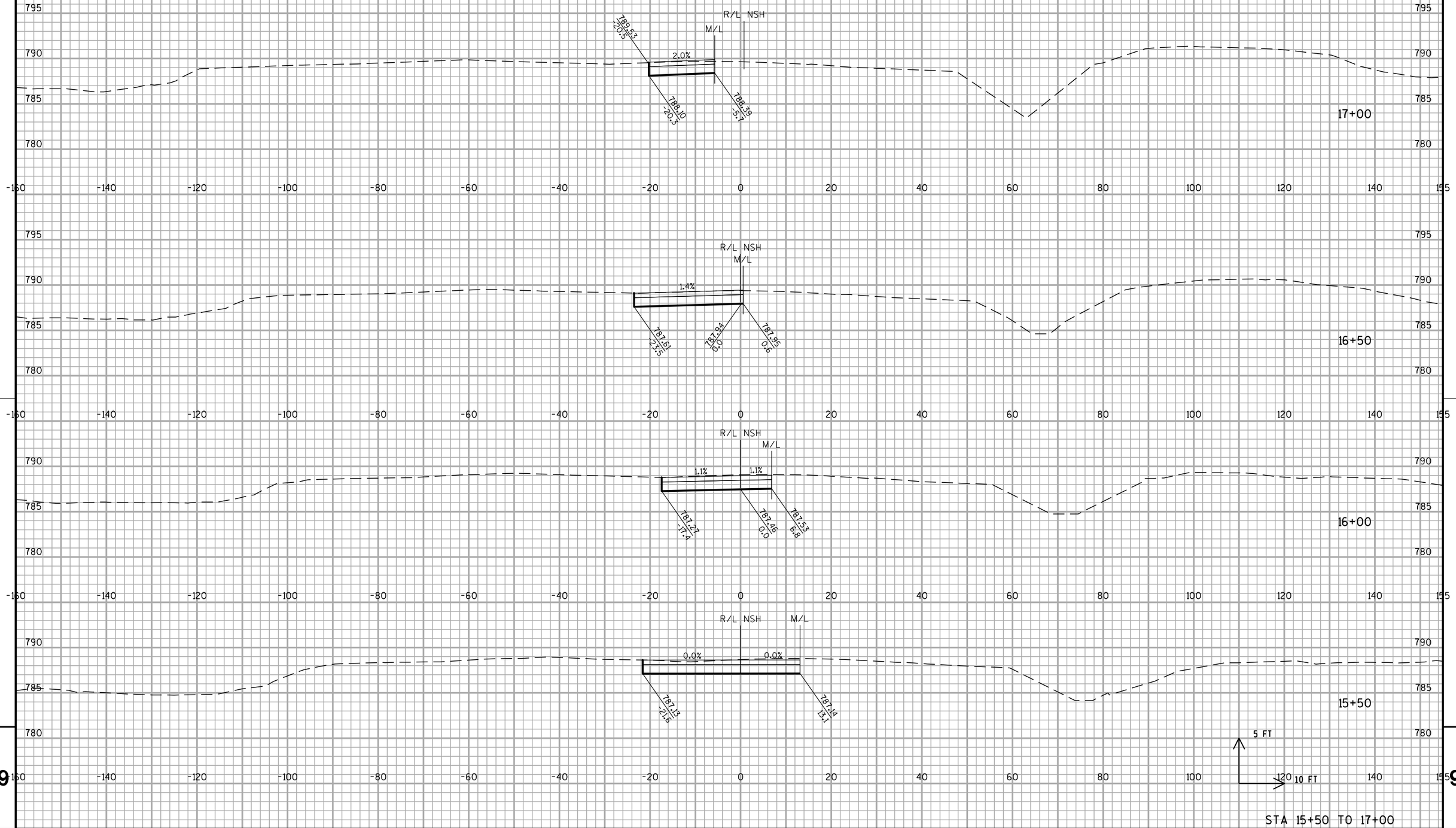


STA 13+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSH	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090602_xs_nsh.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090602_xs_nsh1 PLOT SCALE : 20:1

ALL WORK STAGE 3

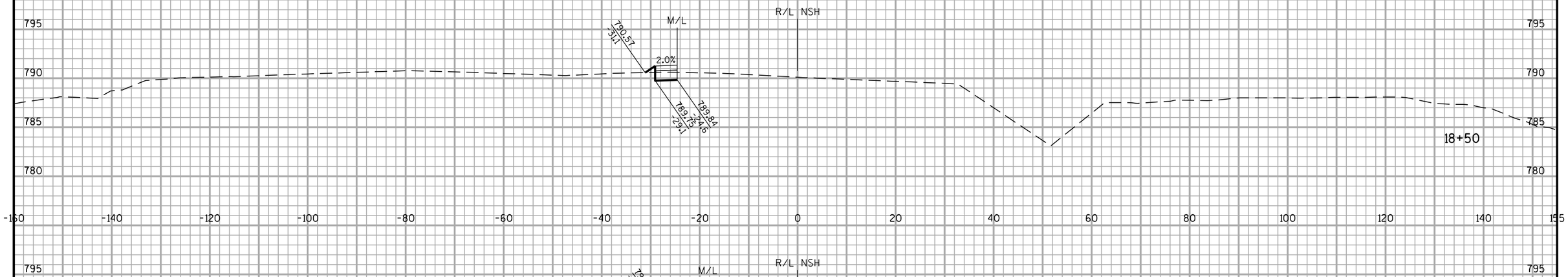


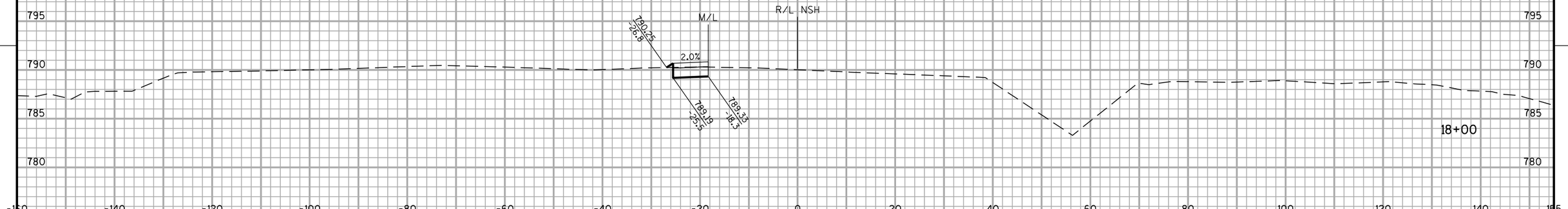
STA 15+50 TO 17+00

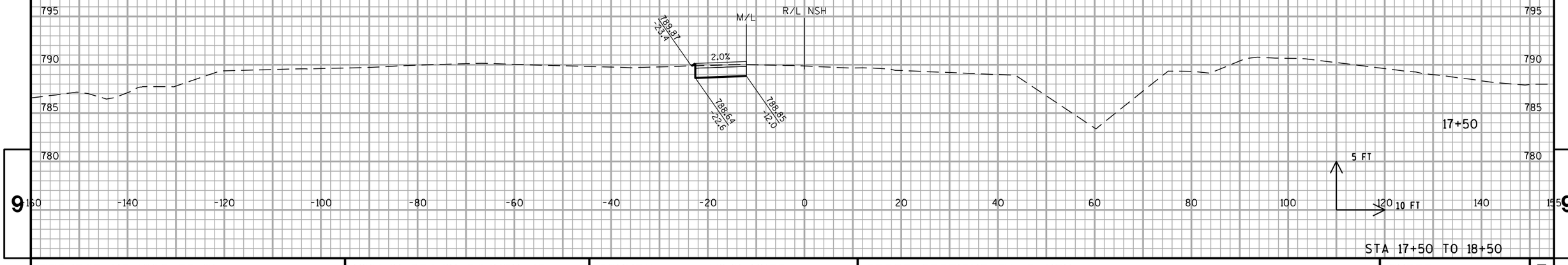
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090602_xs_nsh.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090602_xs_nsh2 PLOT SCALE : 20:1

ALL WORK STAGE 3





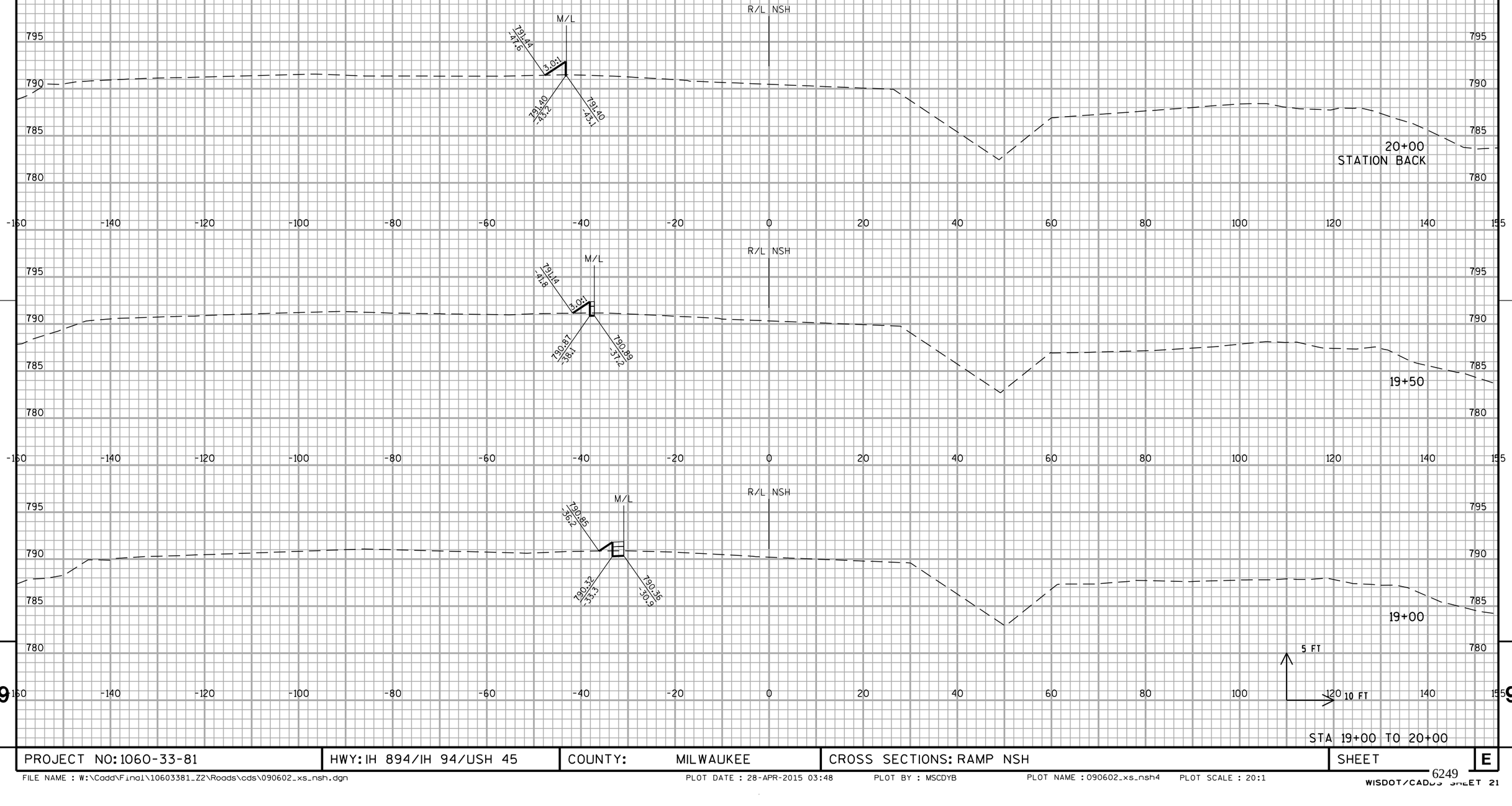


STA 17+50 TO 18+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090602_xs_nsh.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090602_xs_nsh3 PLOT SCALE : 20:1

ALL WORK STAGE 3



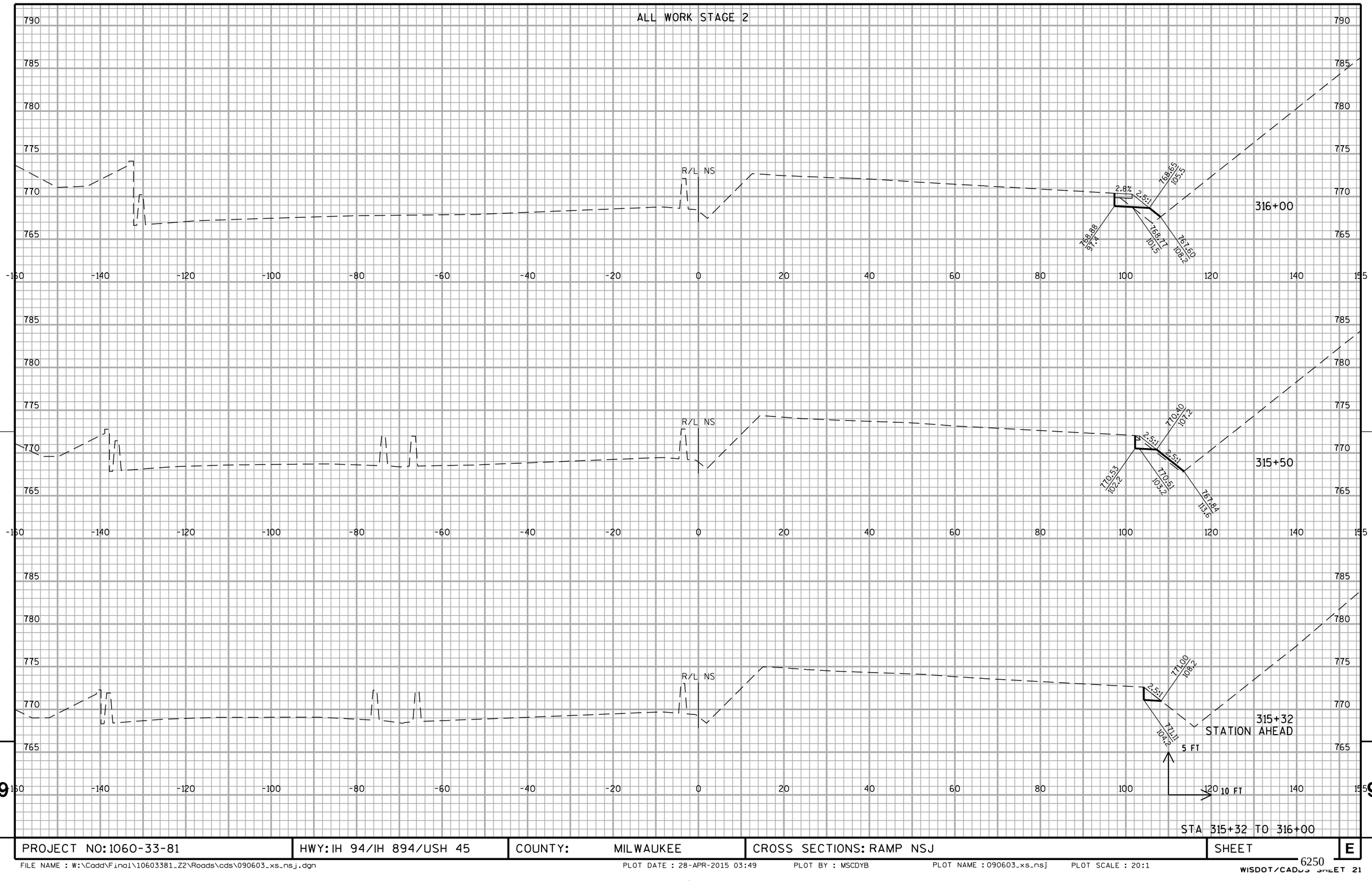
STA 19+00 TO 20+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSH	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090602_xs_nsh.dgn PLOT DATE : 28-APR-2015 03:48 PLOT BY : MSCDYB PLOT NAME : 090602_xs_nsh4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

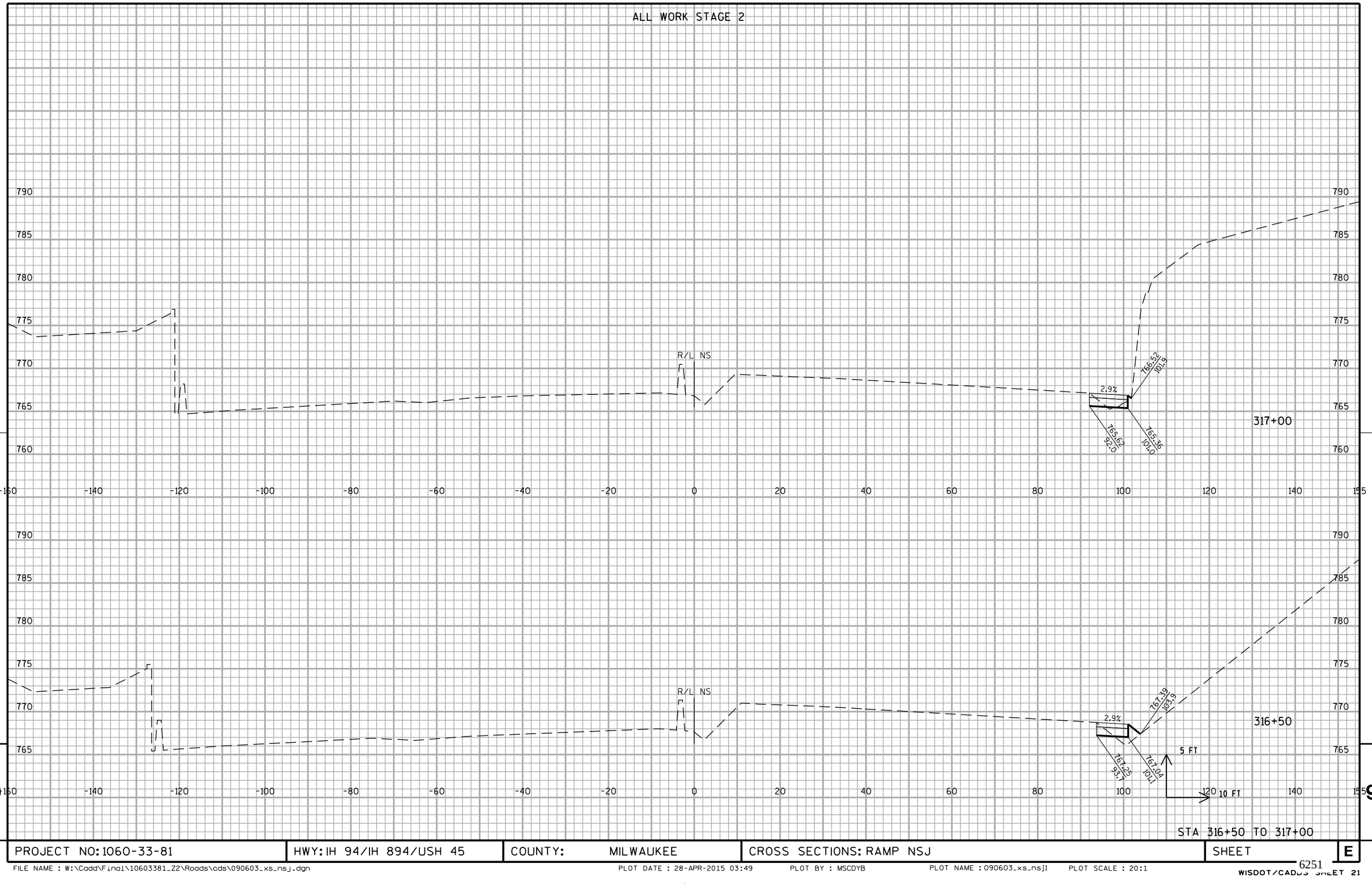


STA 315+32 TO 316+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj PLOT SCALE : 20:1

ALL WORK STAGE 2

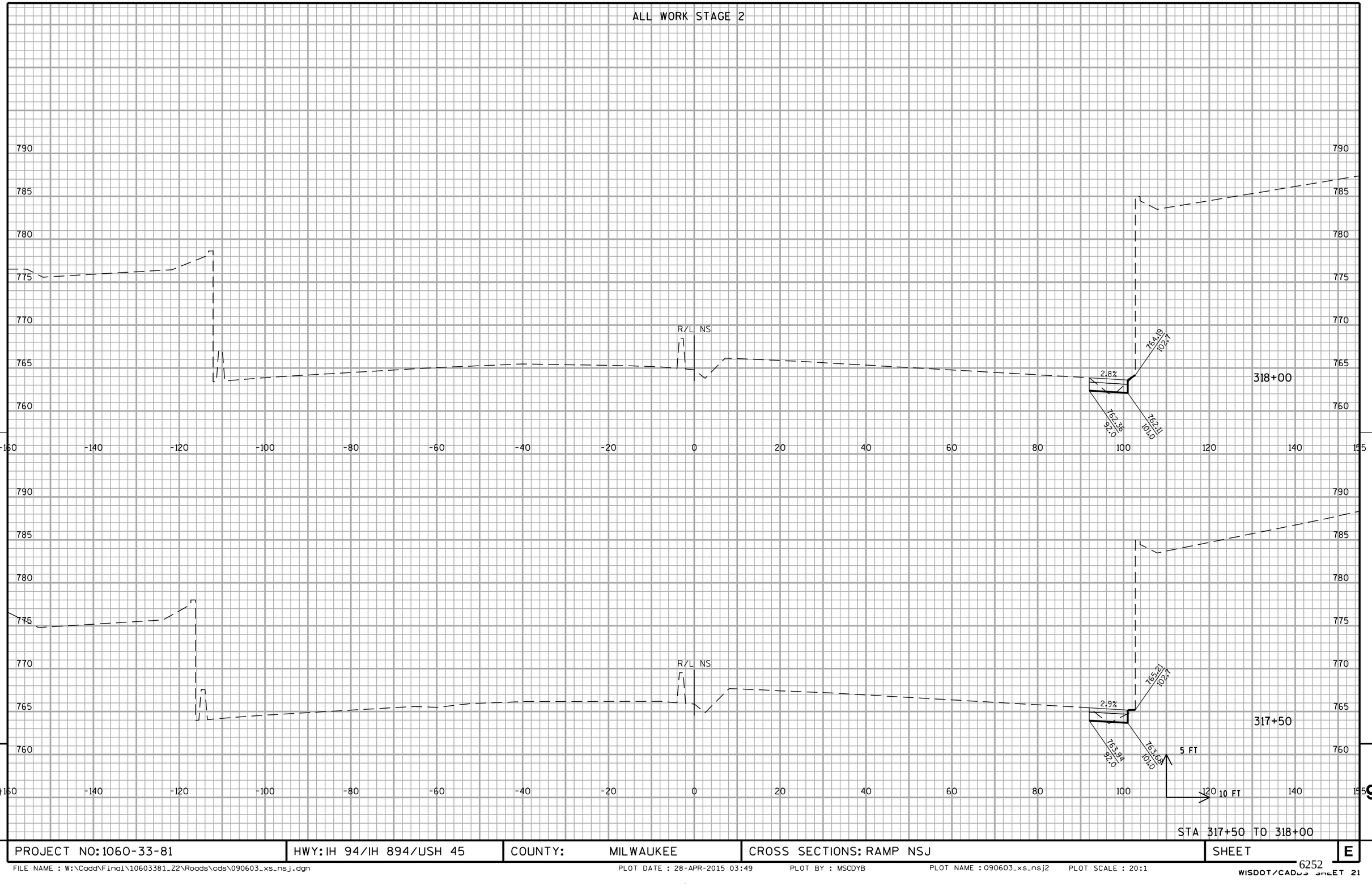


STA 316+50 TO 317+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj1 PLOT SCALE : 20:1

ALL WORK STAGE 2

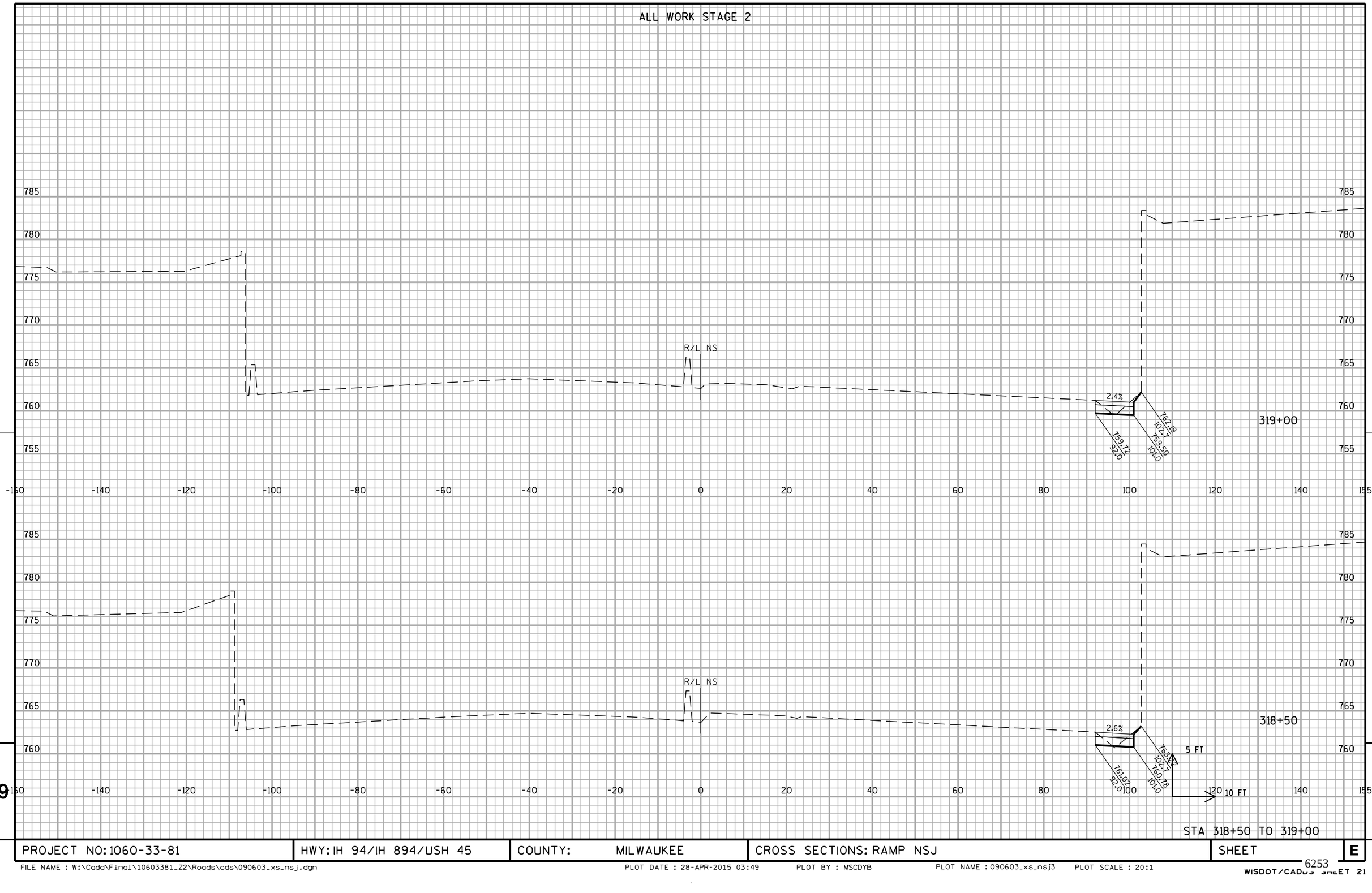


STA 317+50 TO 318+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj2 PLOT SCALE : 20:1

ALL WORK STAGE 2

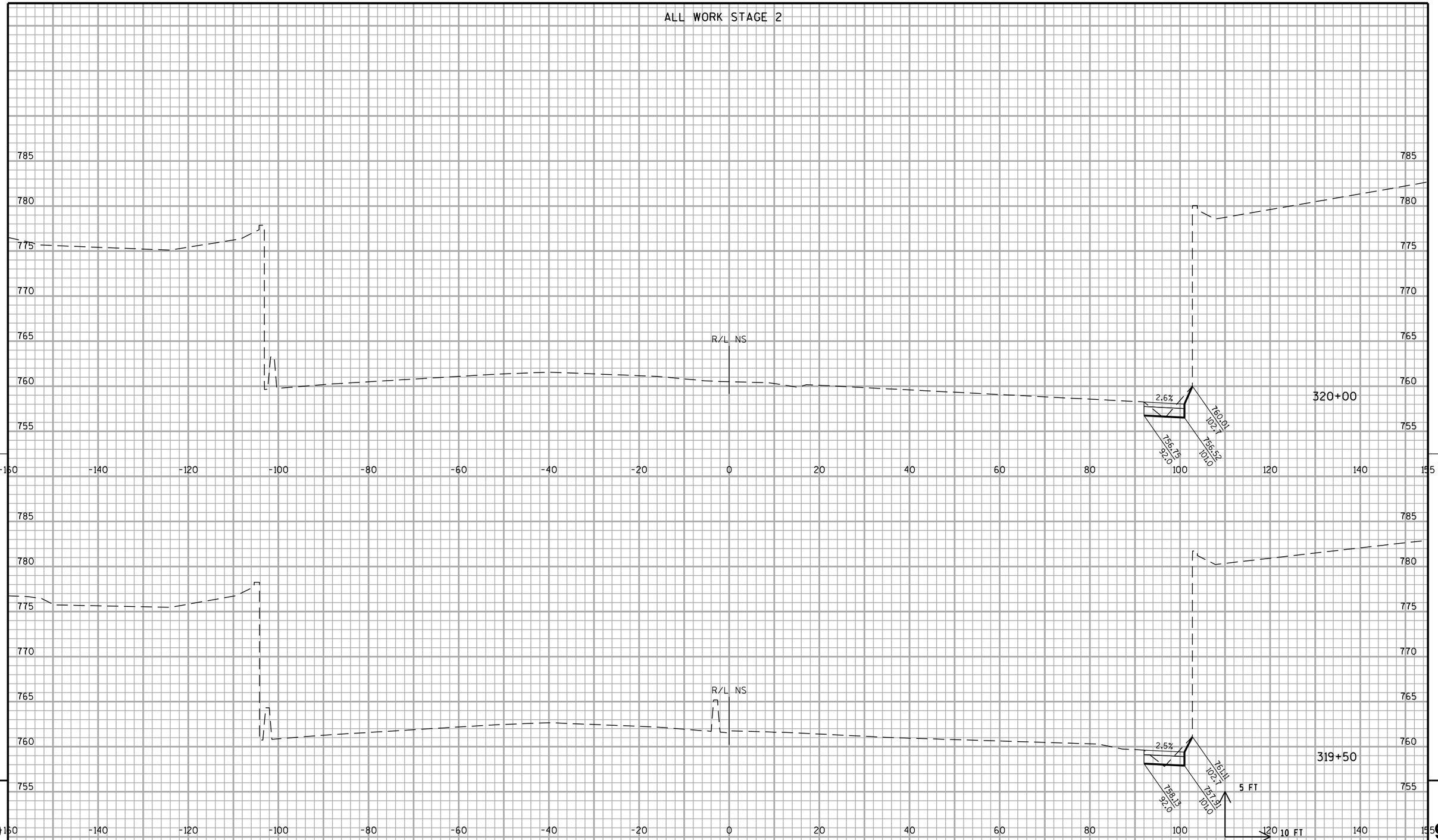


STA 318+50 TO 319+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj3 PLOT SCALE : 20:1

ALL WORK STAGE 2

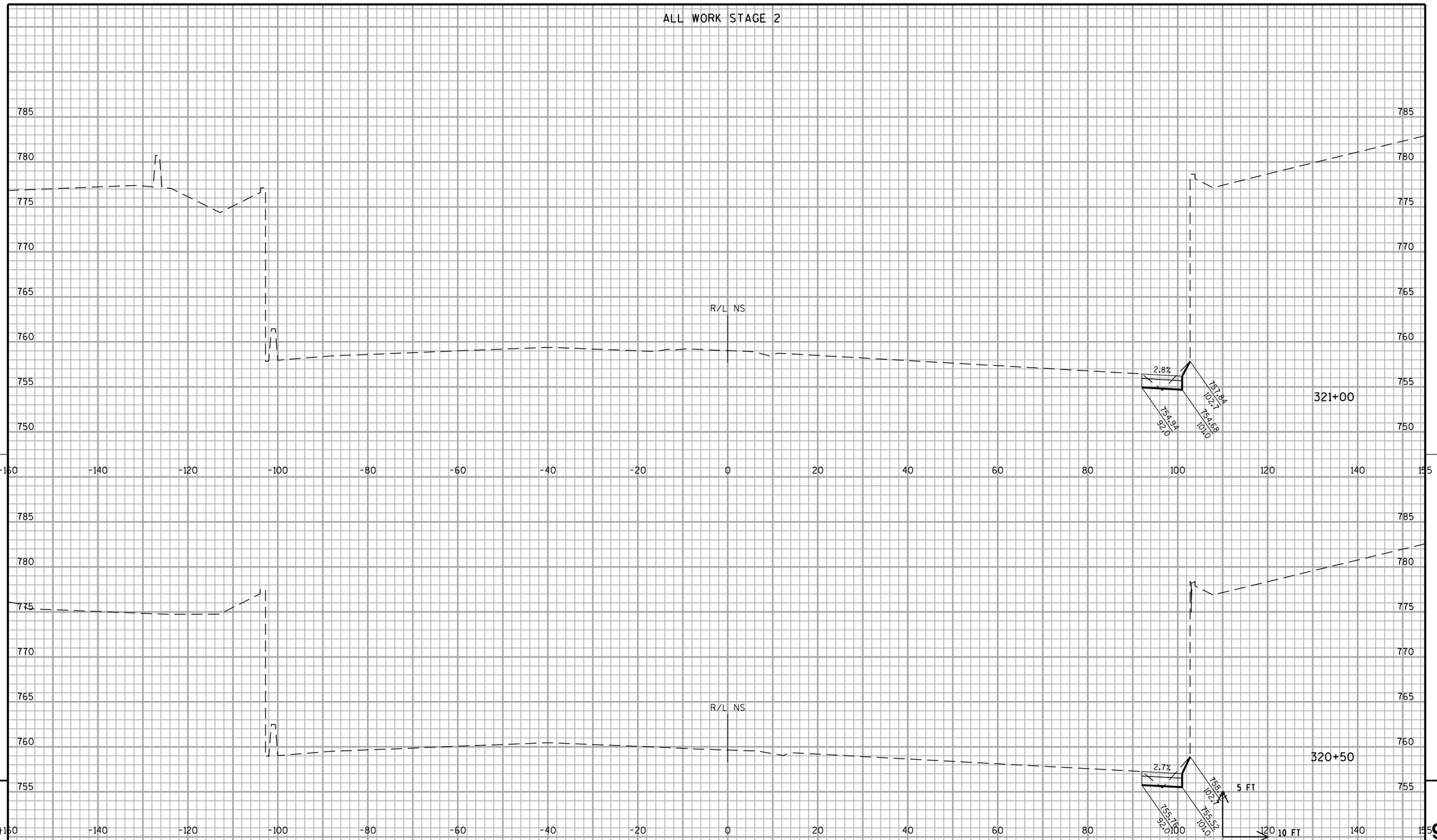


STA 319+50 TO 320+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj4 PLOT SCALE : 20:1

ALL WORK STAGE 2

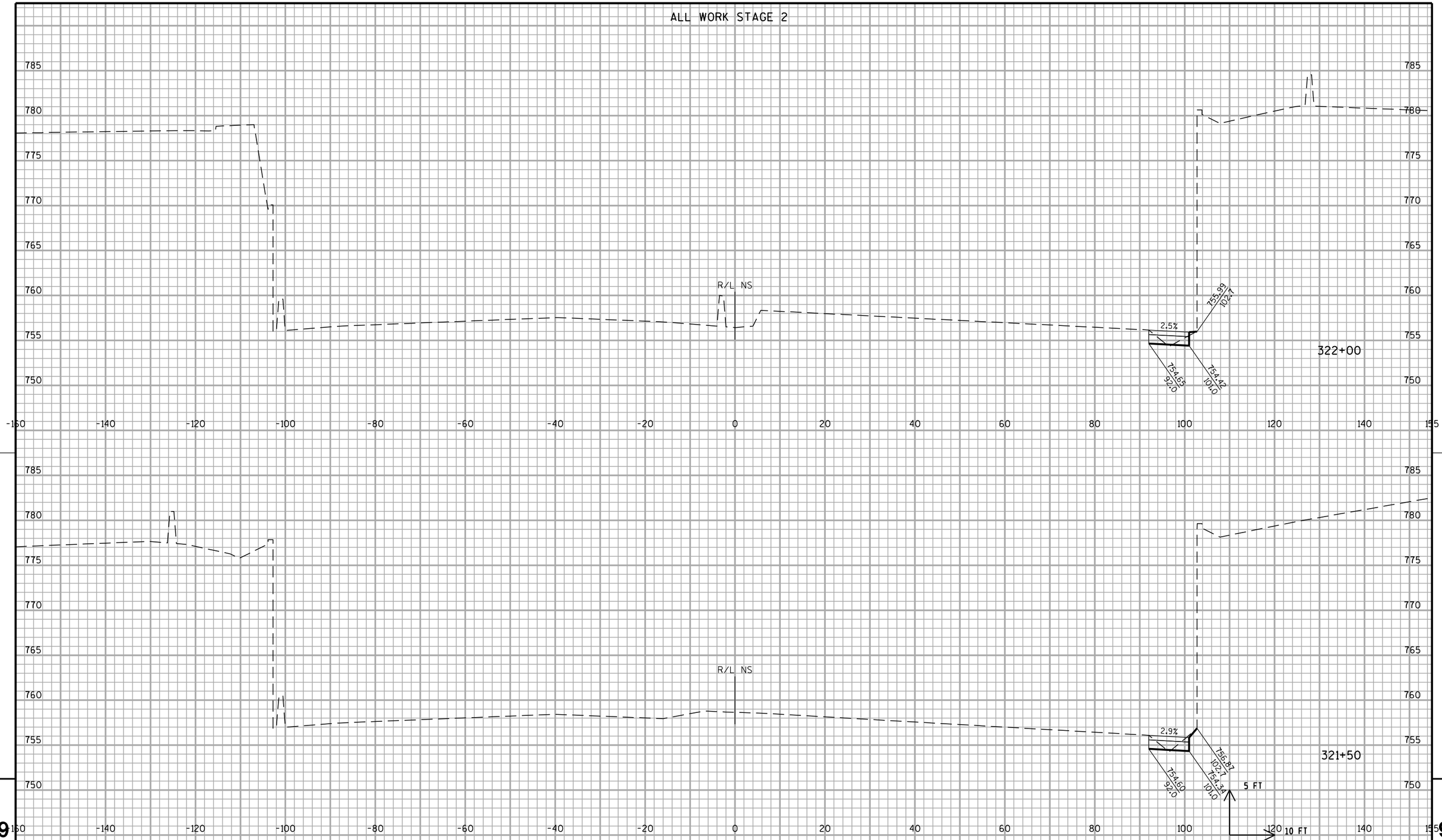


STA 320+50 TO 321+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj5 PLOT SCALE : 20:1

ALL WORK STAGE 2



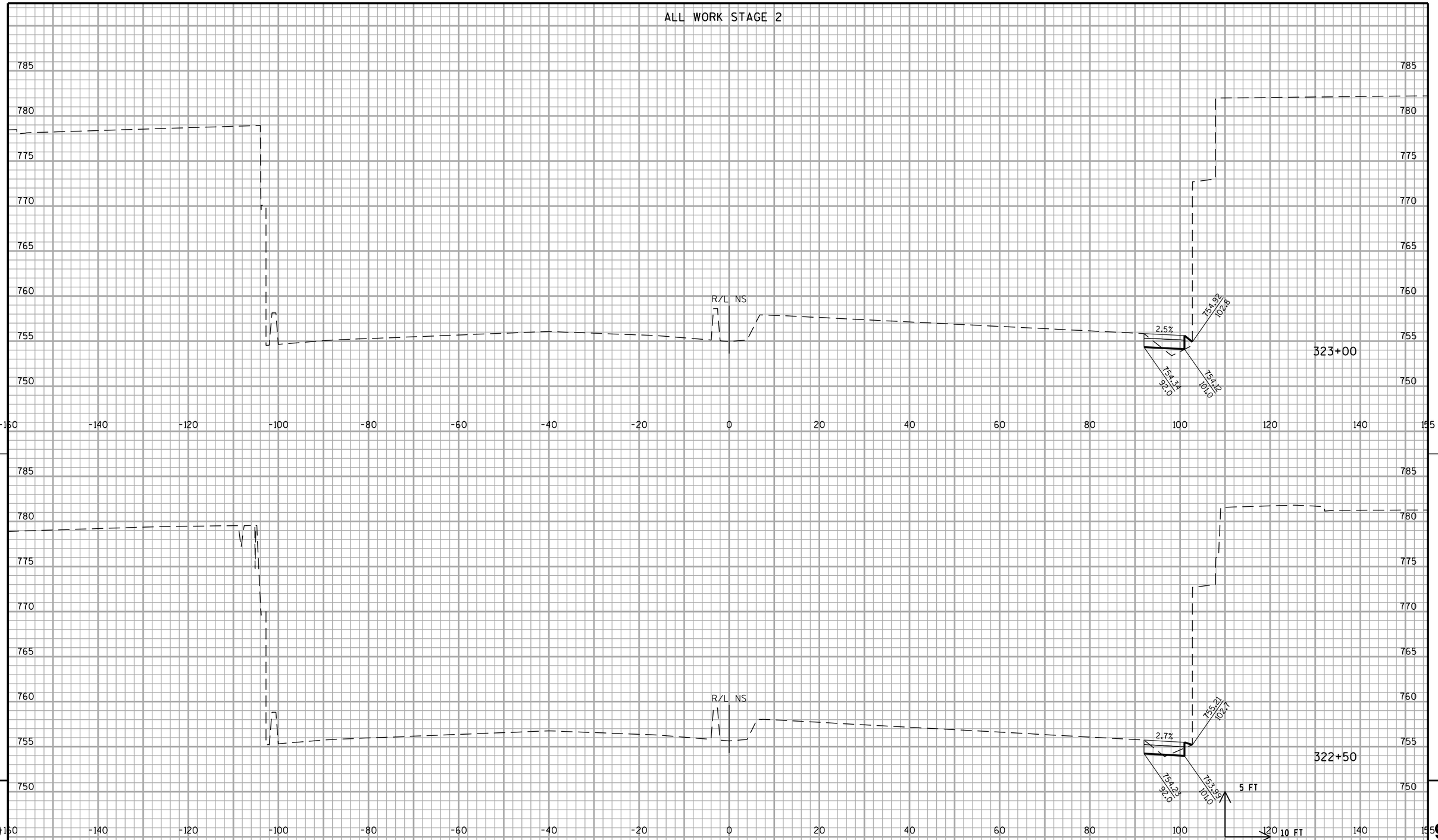
STA 321+50 TO 322+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

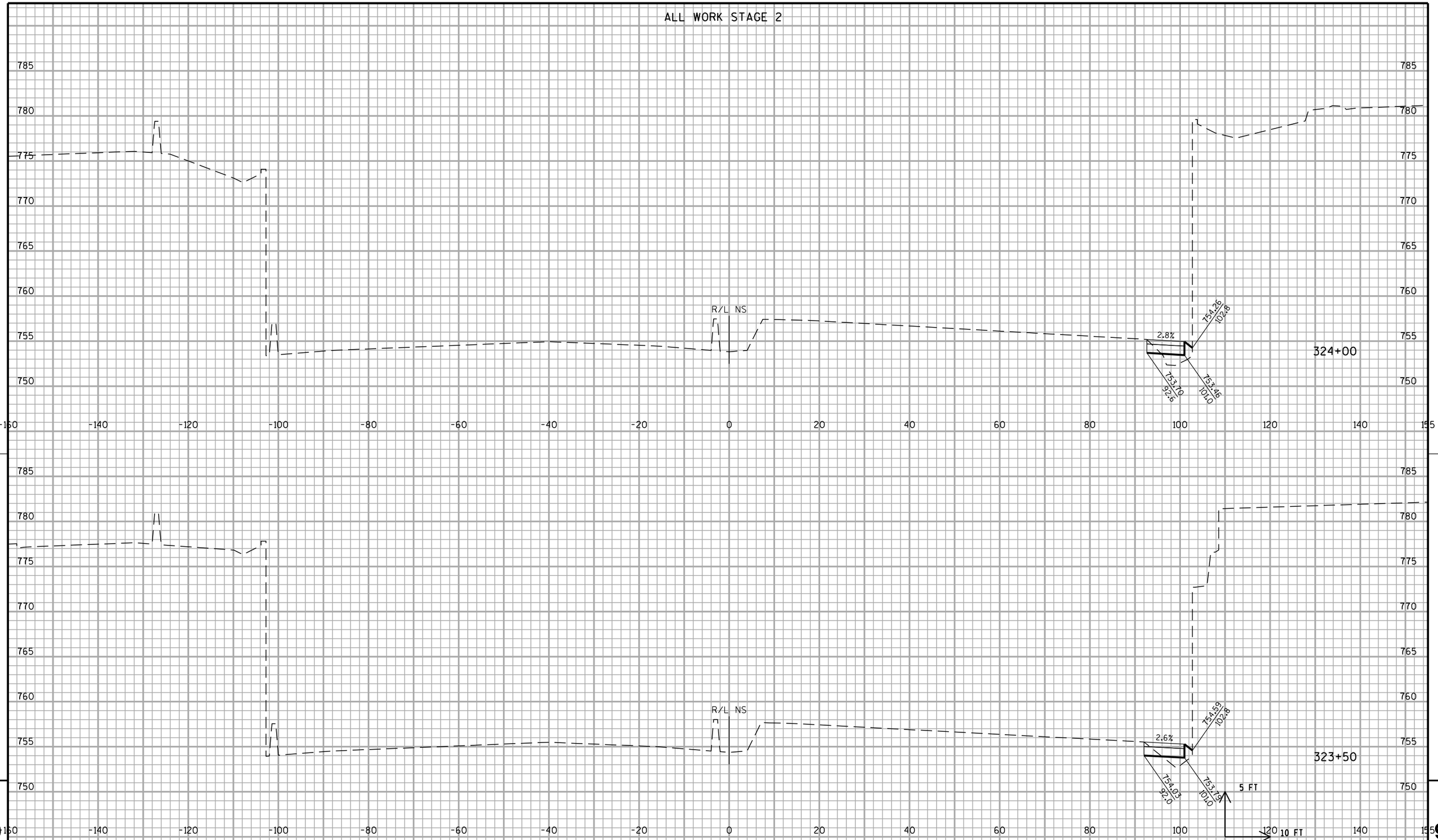


STA 322+50 TO 323+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj7 PLOT SCALE : 20:1

ALL WORK STAGE 2

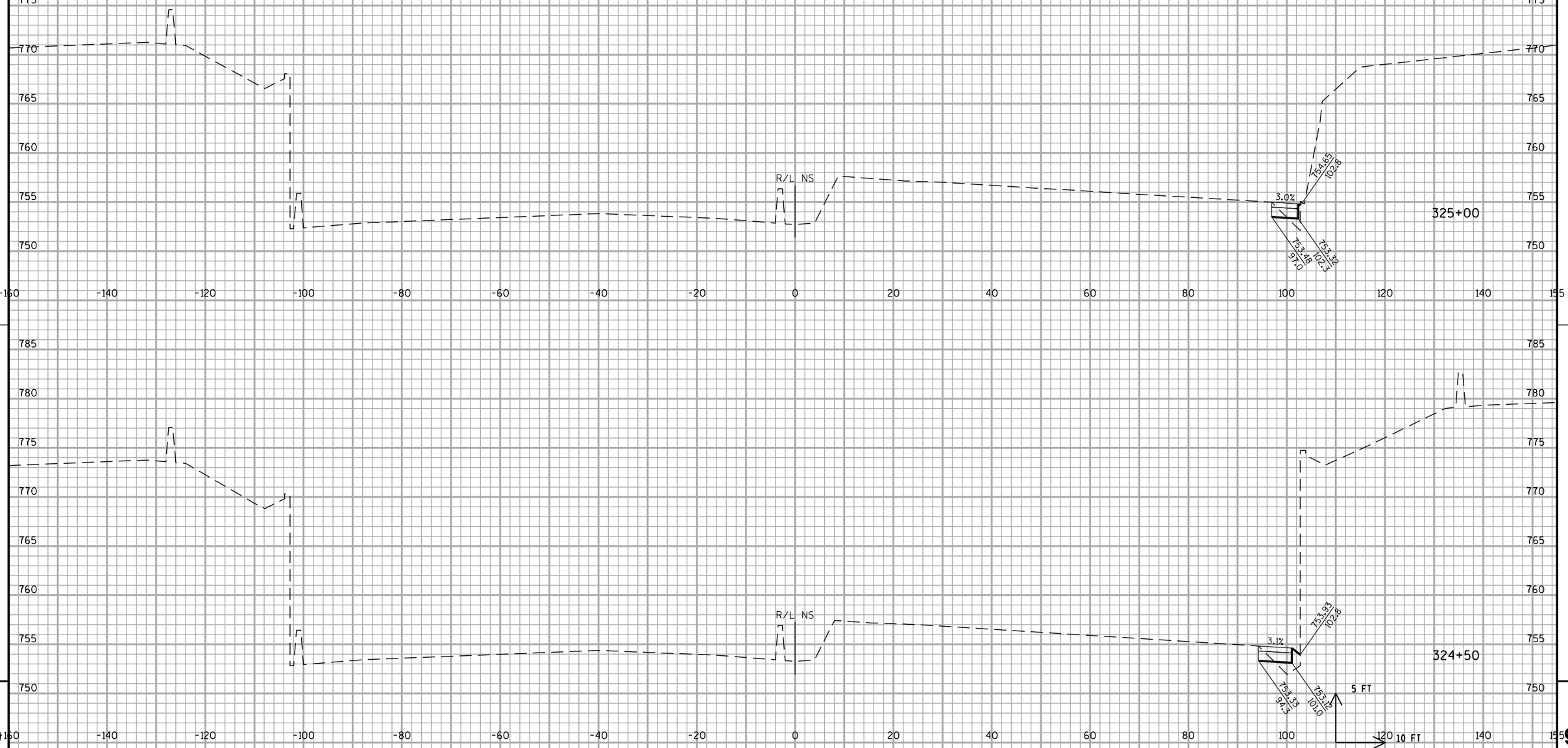


STA 323+50 TO 324+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj8 PLOT SCALE : 20:1

ALL WORK STAGE 2

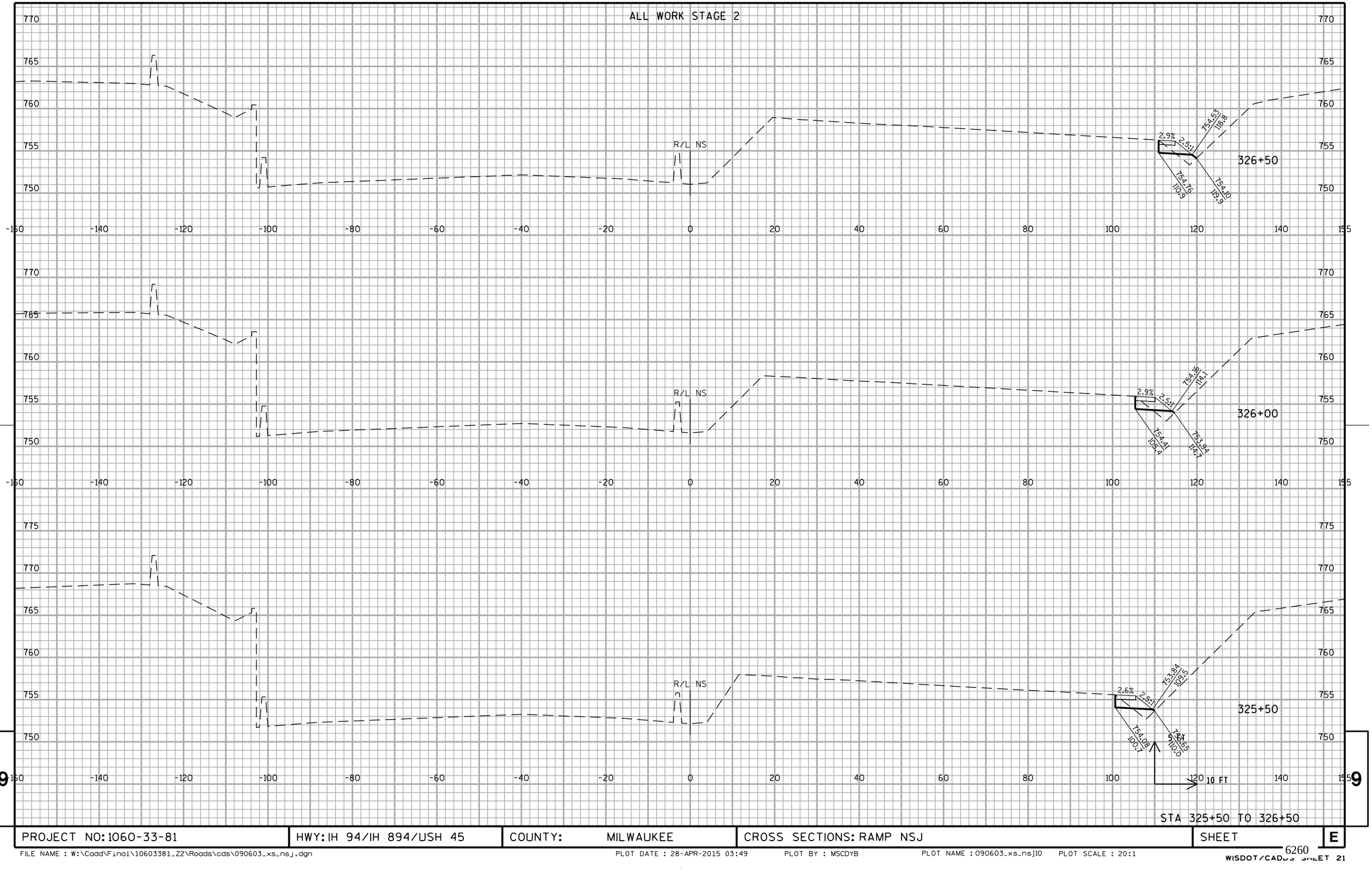


STA 324+50 TO 325+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj9 PLOT SCALE : 20:1

ALL WORK STAGE 2

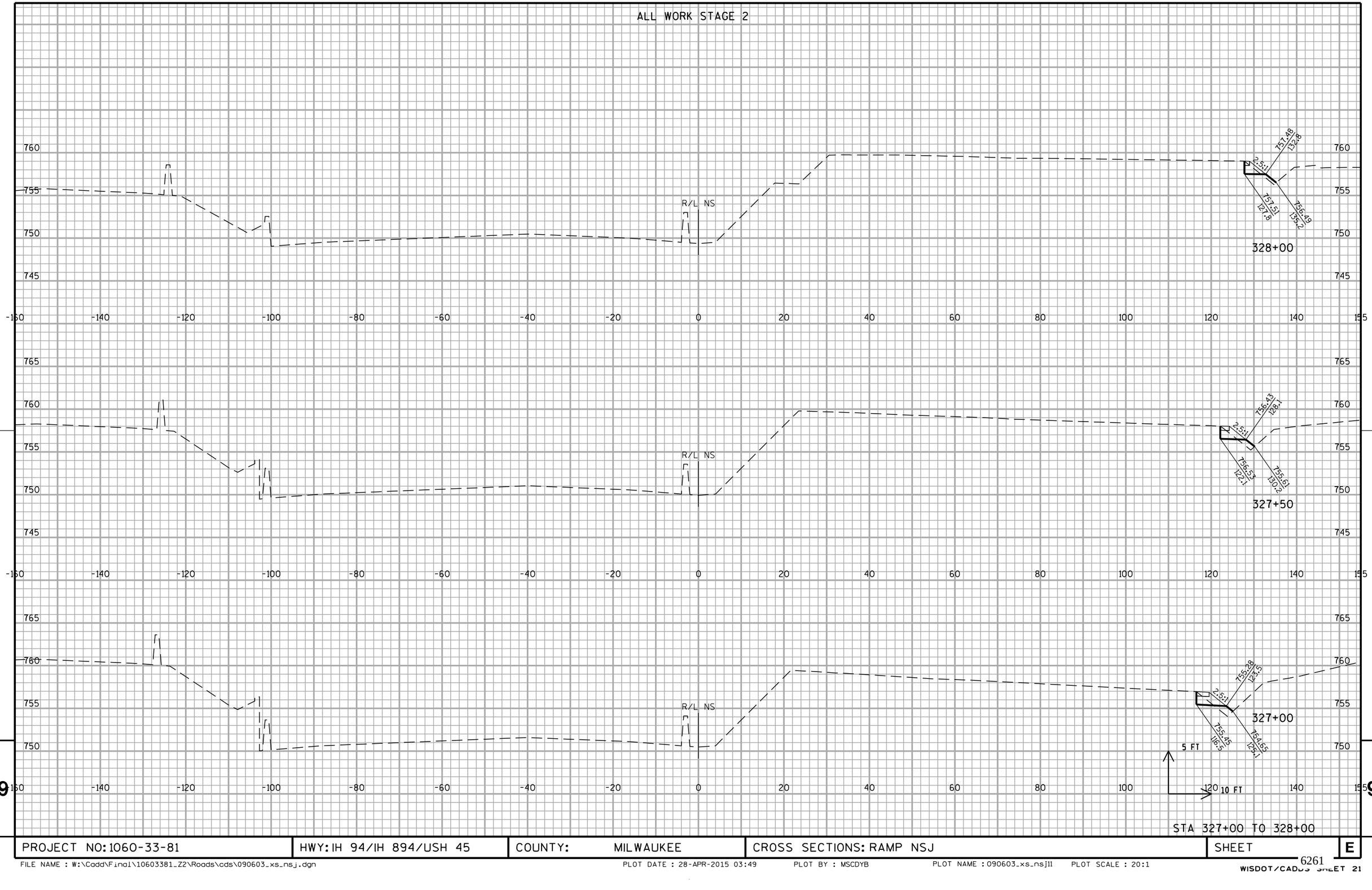


STA 325+50 TO 326+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj10 PLOT SCALE : 20:1

ALL WORK STAGE 2

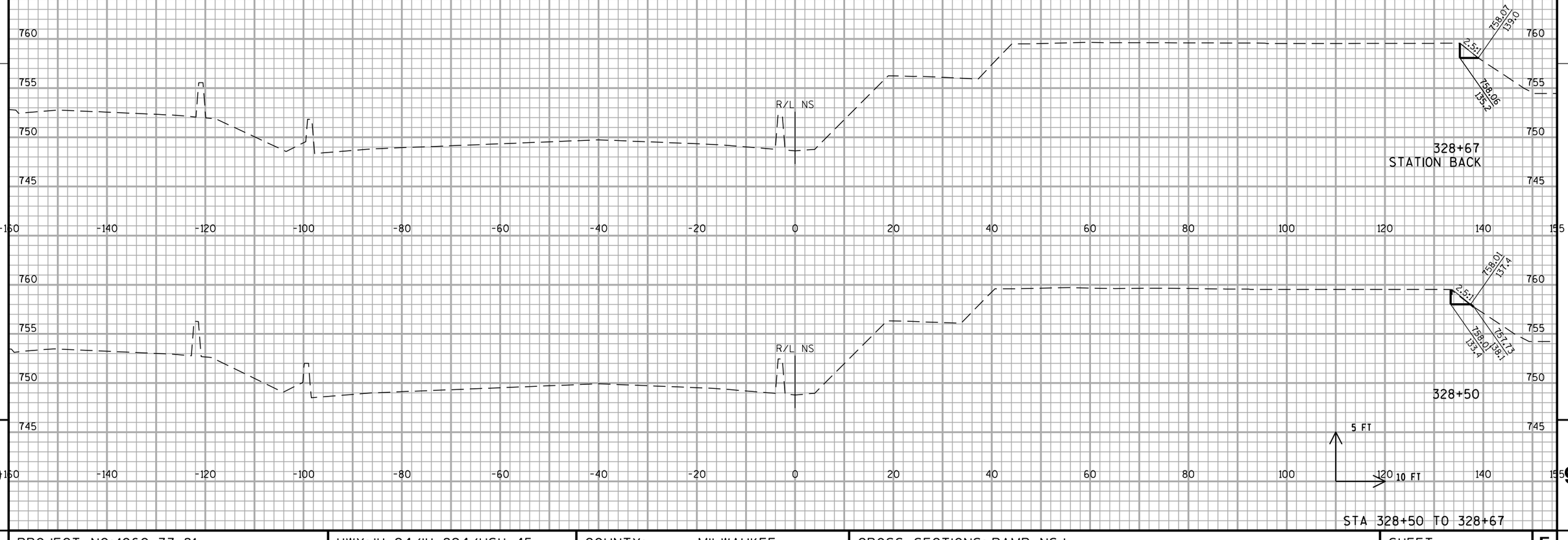


STA 327+00 TO 328+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj11 PLOT SCALE : 20:1

ALL WORK STAGE 2



STA 328+50 TO 328+67

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSJ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090603_xs_nsj.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090603_xs_nsj12 PLOT SCALE : 20:1

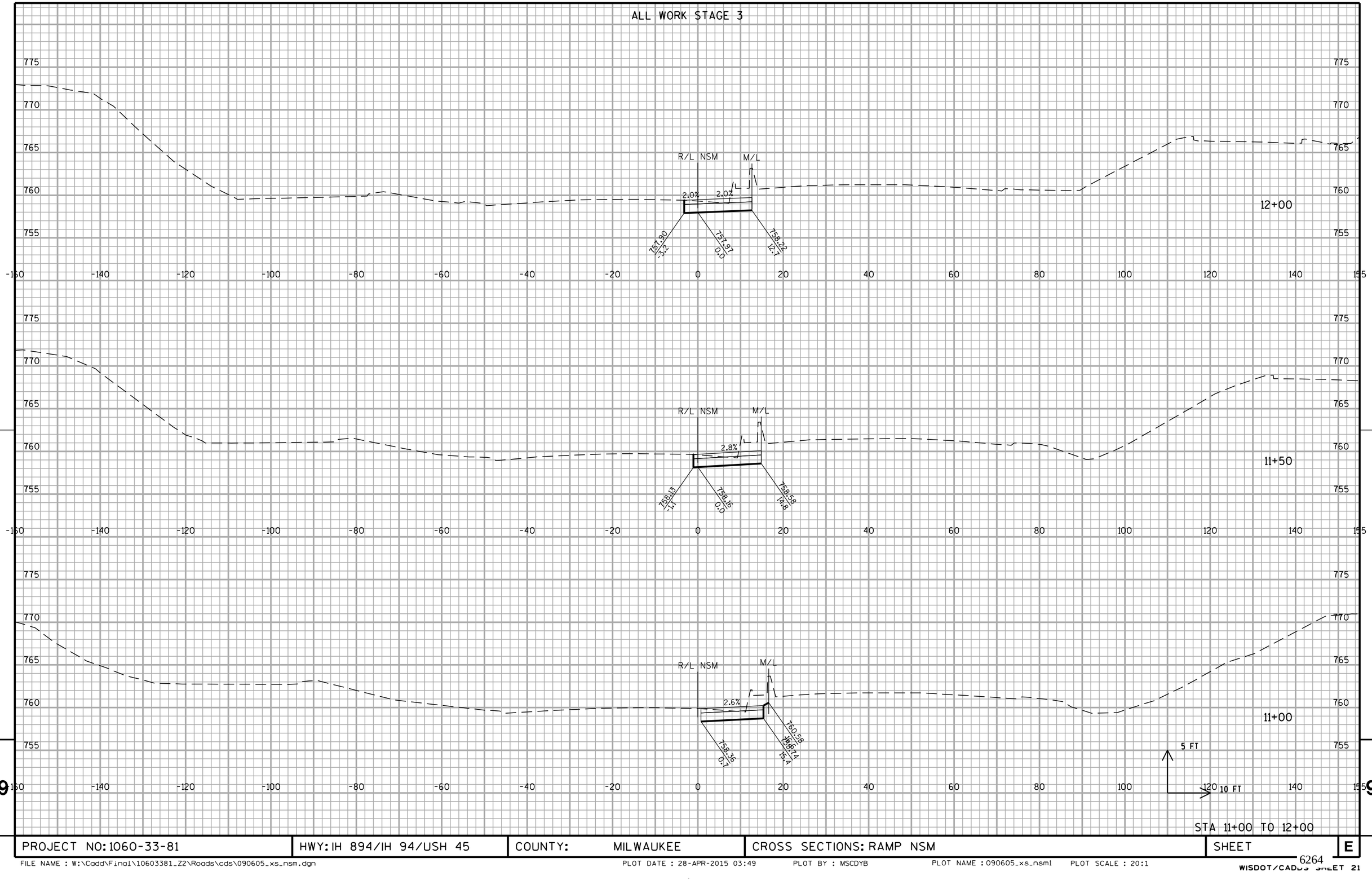
ALL WORK STAGE 3

STA 9+58 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

9 9

ALL WORK STAGE 3



STA 11+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm1 PLOT SCALE : 20:1

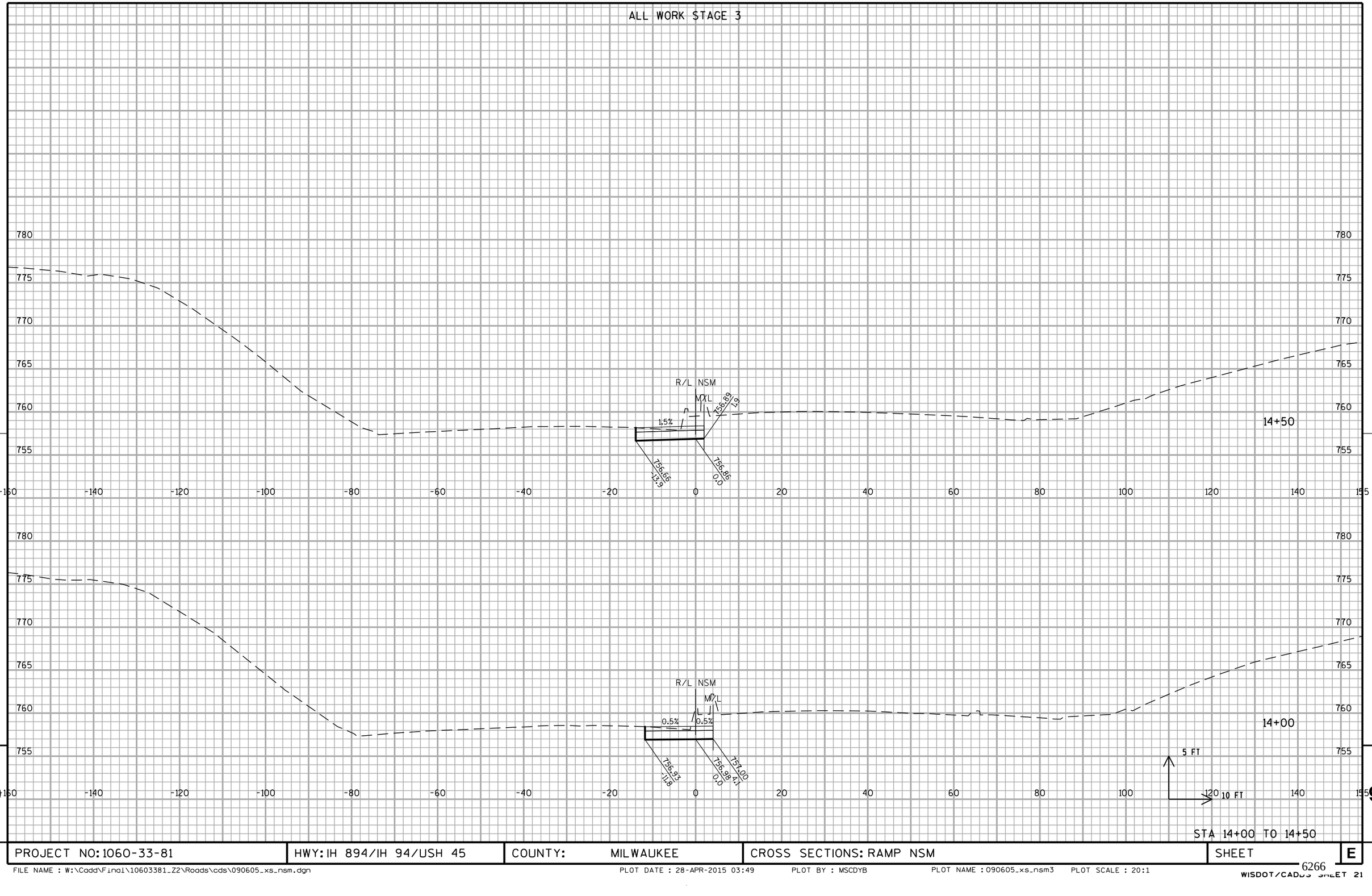
ALL WORK STAGE 3

STA 12+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm2 PLOT SCALE : 20:1

ALL WORK STAGE 3

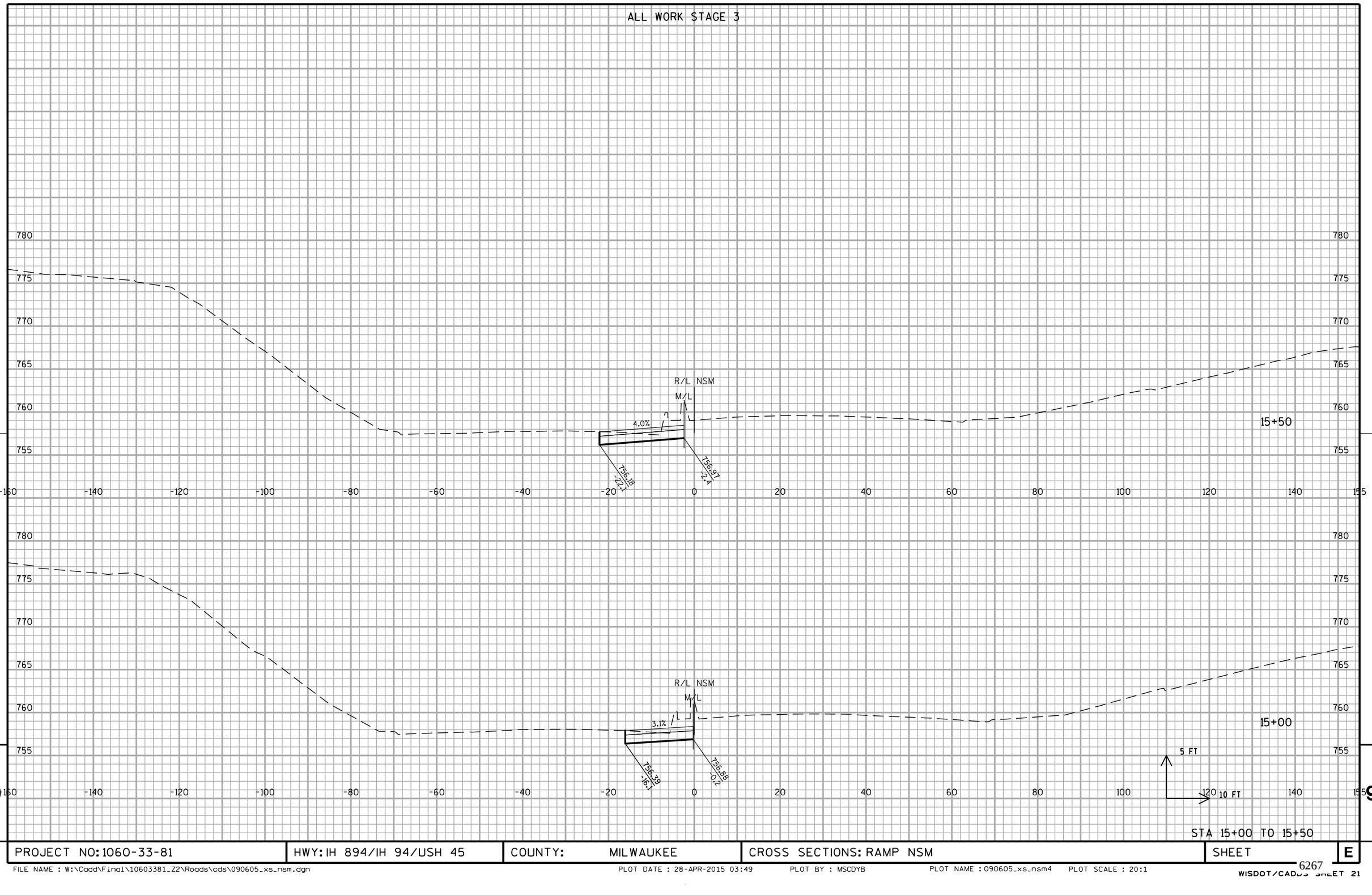


STA 14+00 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm3 PLOT SCALE : 20:1

ALL WORK STAGE 3

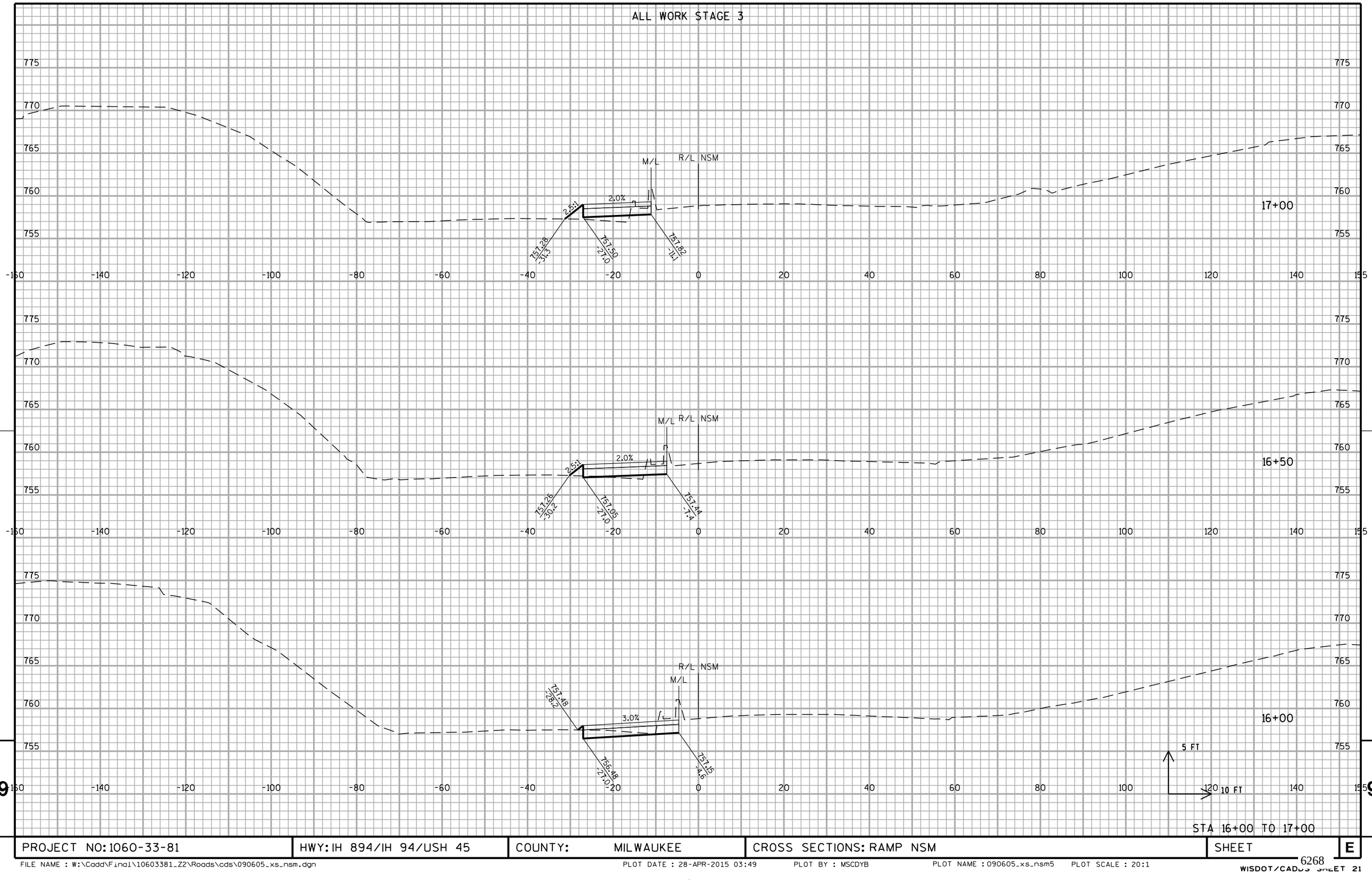


STA 15+00 TO 15+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm4 PLOT SCALE : 20:1

ALL WORK STAGE 3

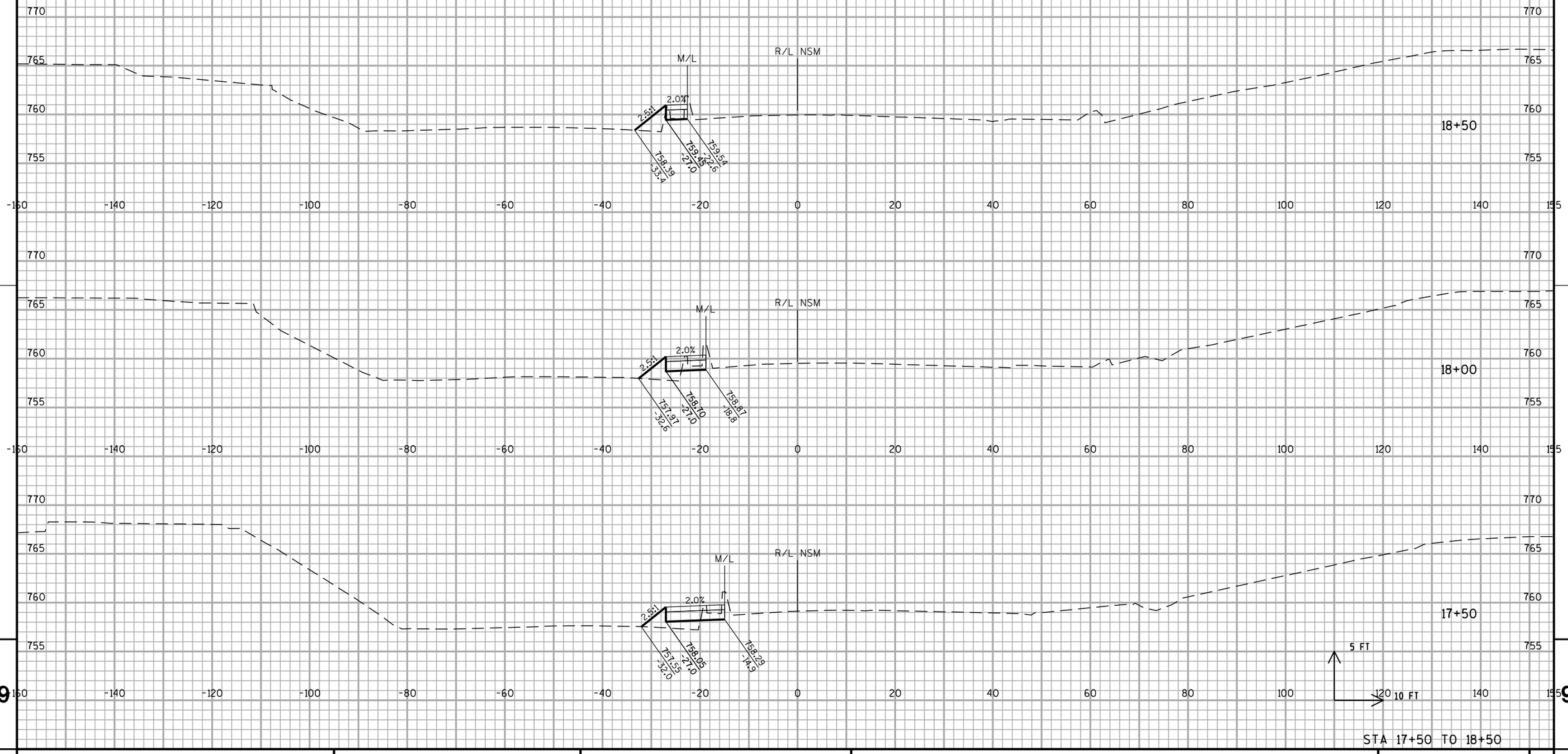


STA 16+00 TO 17+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm5 PLOT SCALE : 20:1

ALL WORK STAGE 3

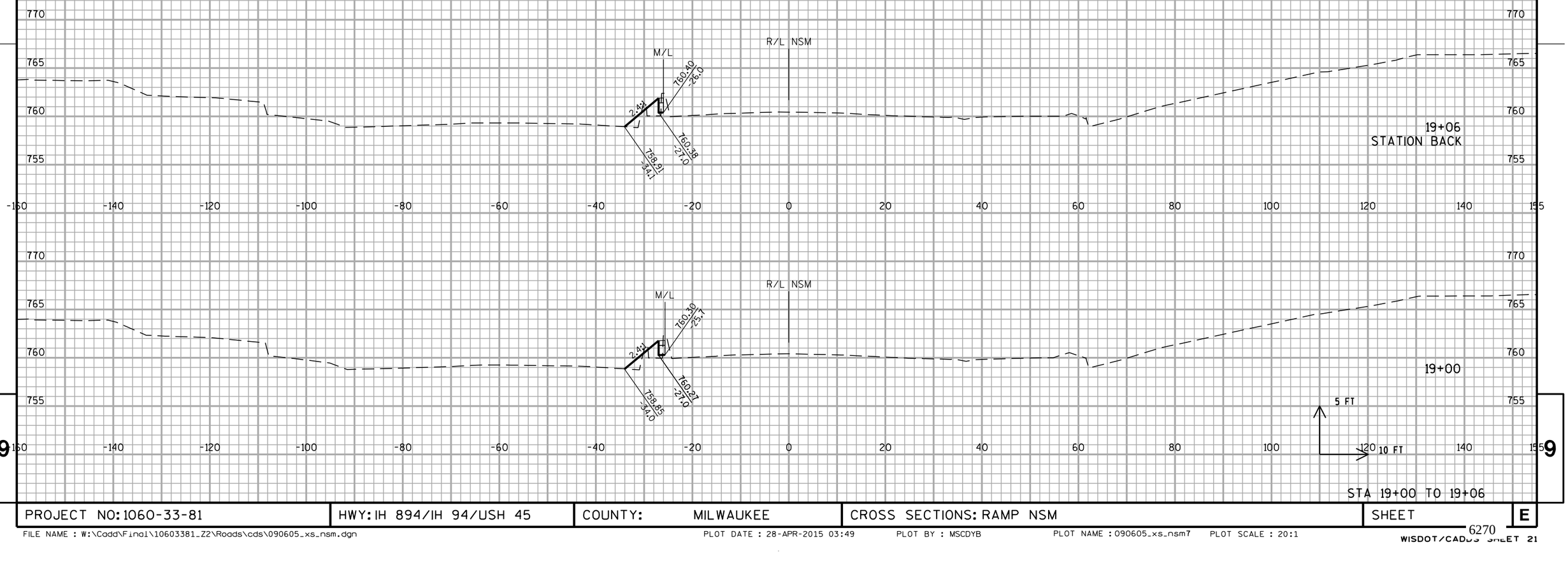


STA 17+50 TO 18+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm6 PLOT SCALE : 20:1

ALL WORK STAGE 3

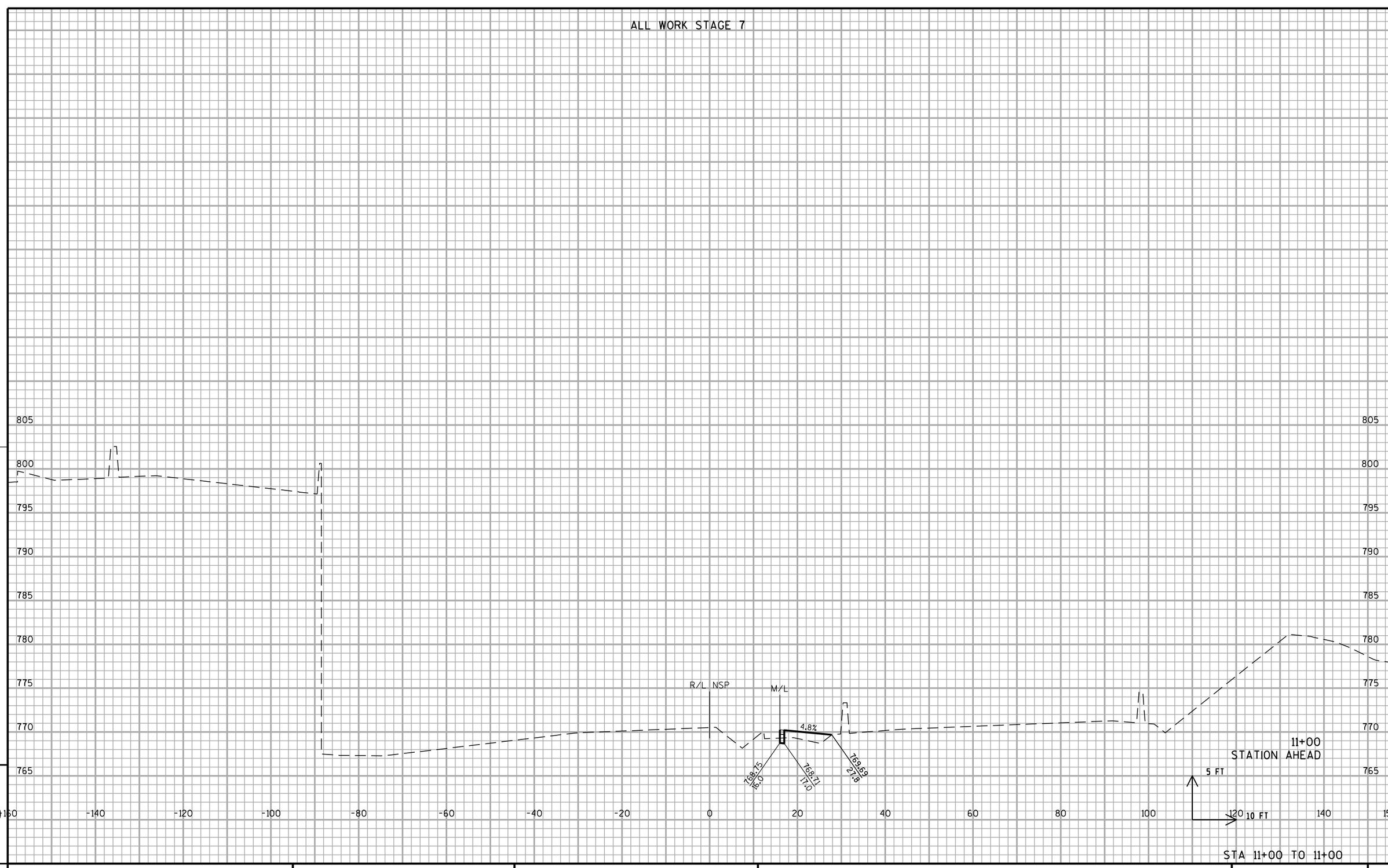


STA 19+00 TO 19+06

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSM	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090605_xs_nsm.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090605_xs_nsm7 PLOT SCALE : 20:1

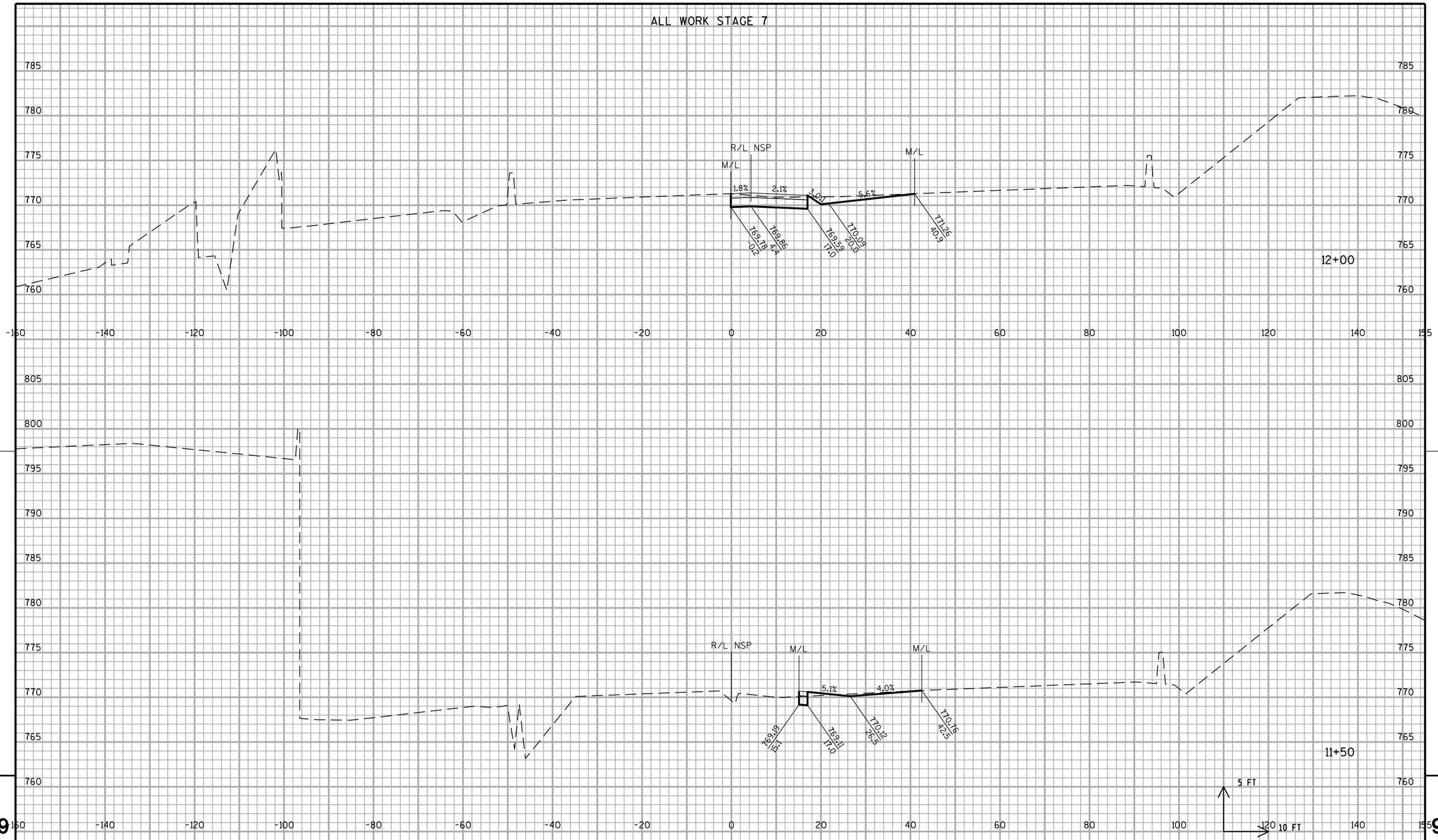
ALL WORK STAGE 7



STA 11+00 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

ALL WORK STAGE 7



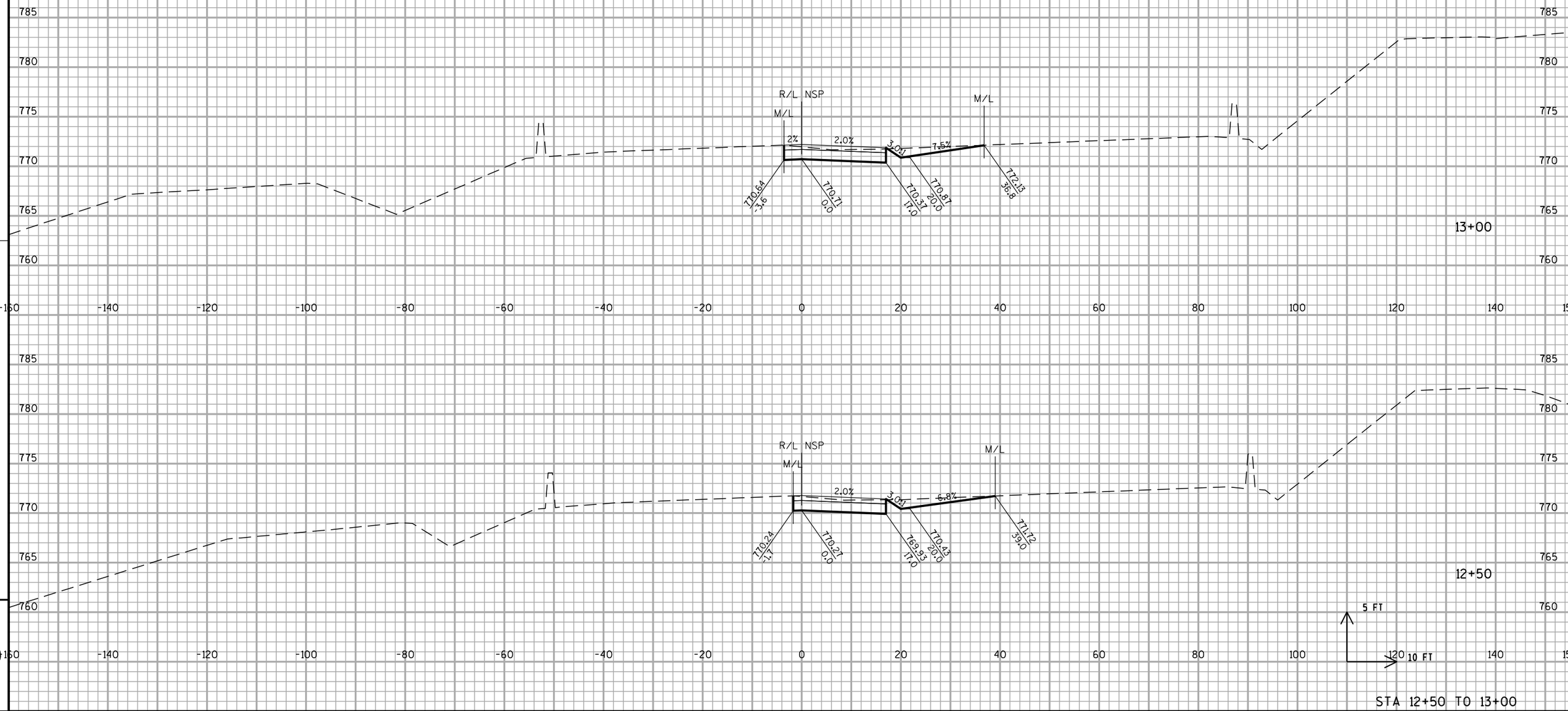
STA 11+50 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 7

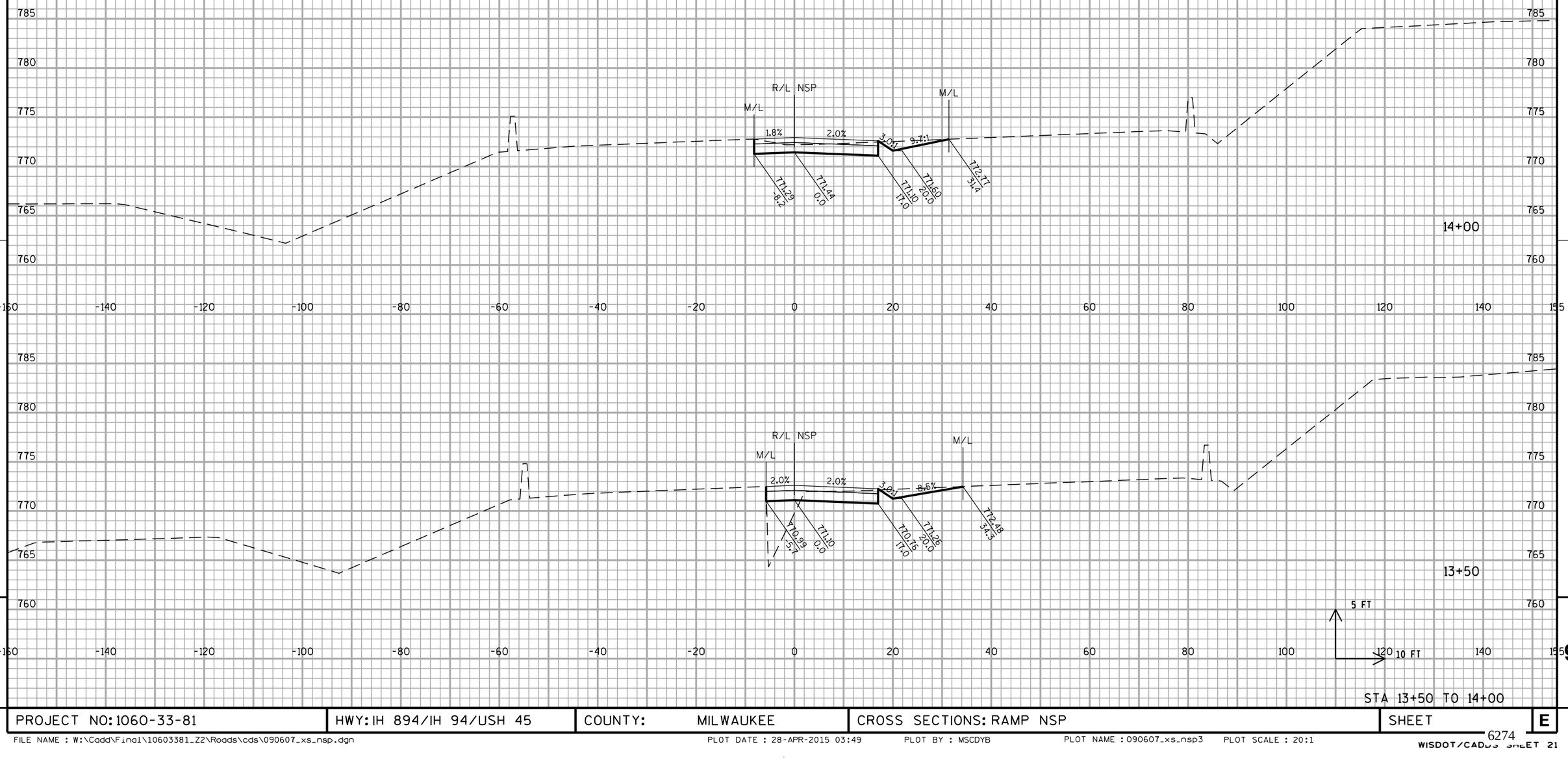


STA 12+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp2 PLOT SCALE : 20:1

ALL WORK STAGE 7

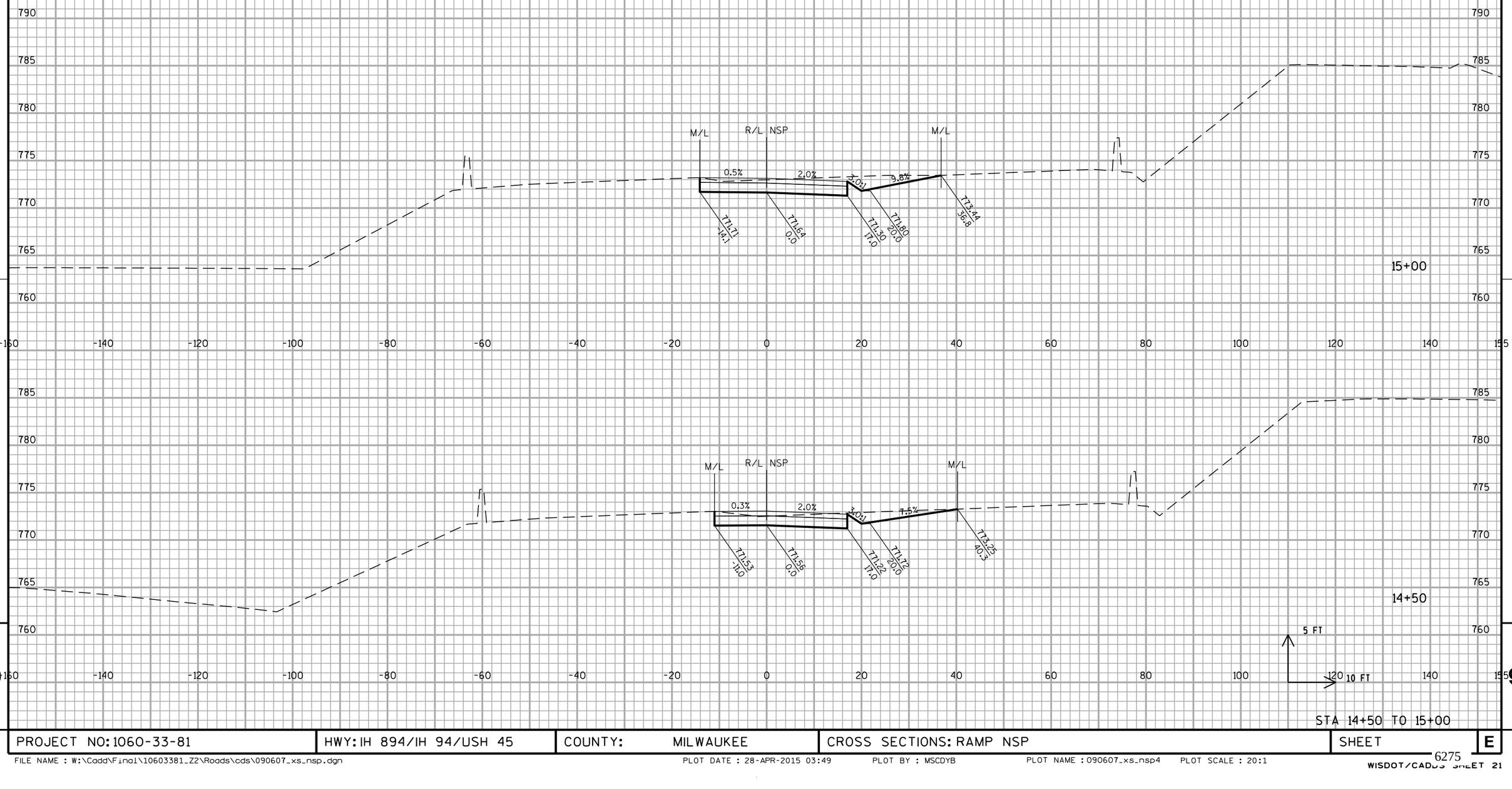


STA 13+50 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp3 PLOT SCALE : 20:1

ALL WORK STAGE 7

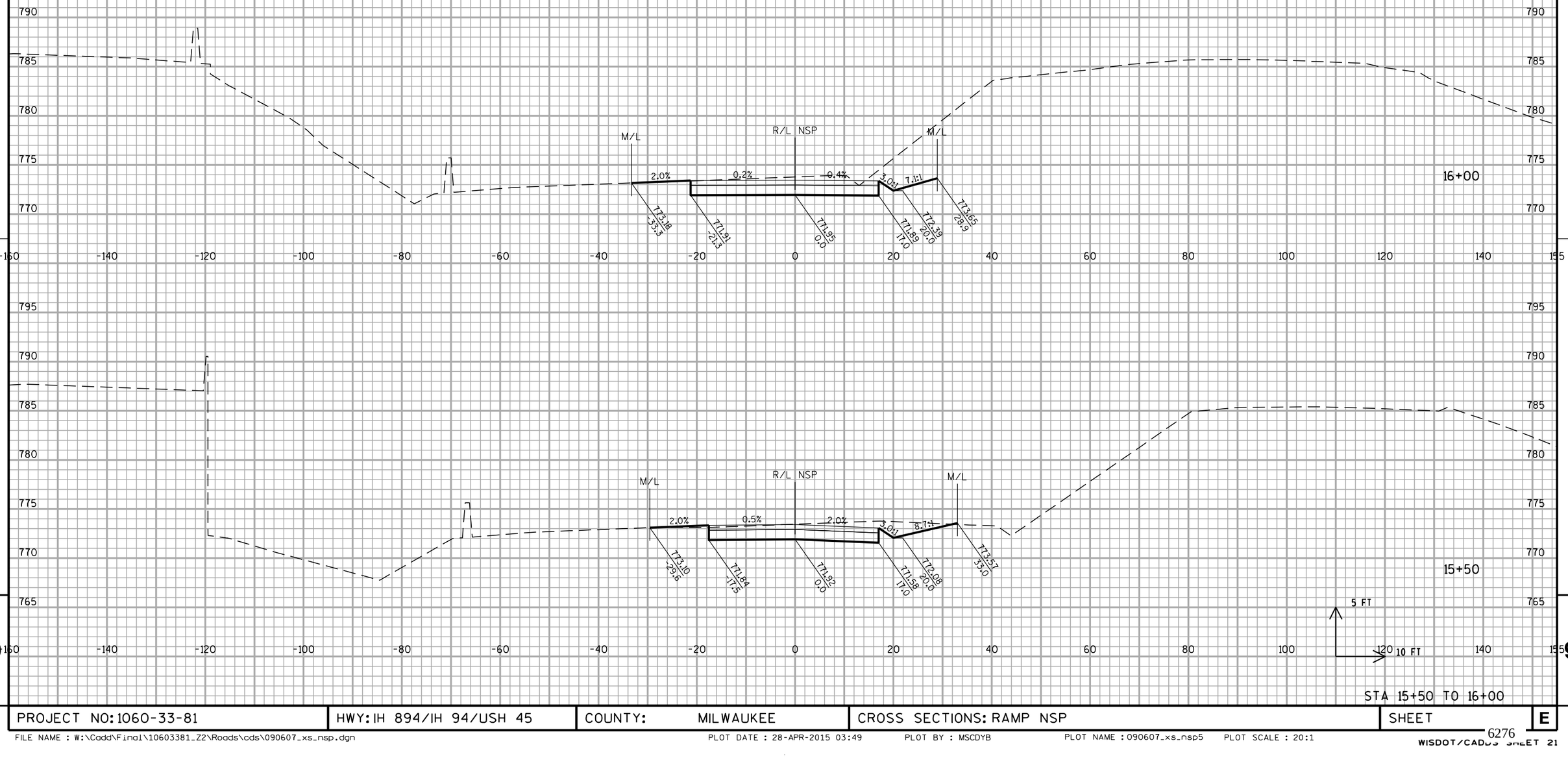


STA 14+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp4 PLOT SCALE : 20:1

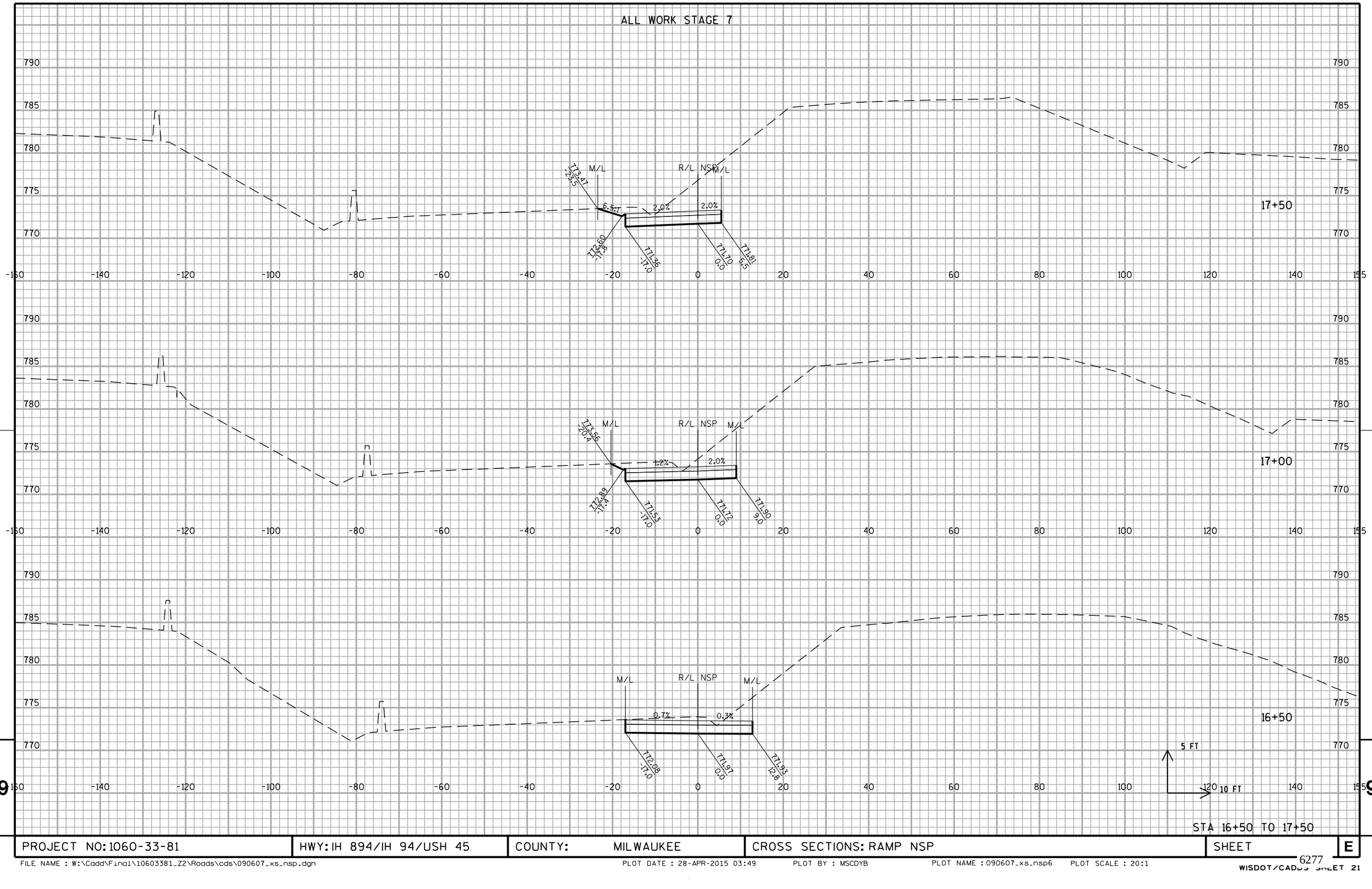
ALL WORK STAGE 7



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp5 PLOT SCALE : 20:1

ALL WORK STAGE 7

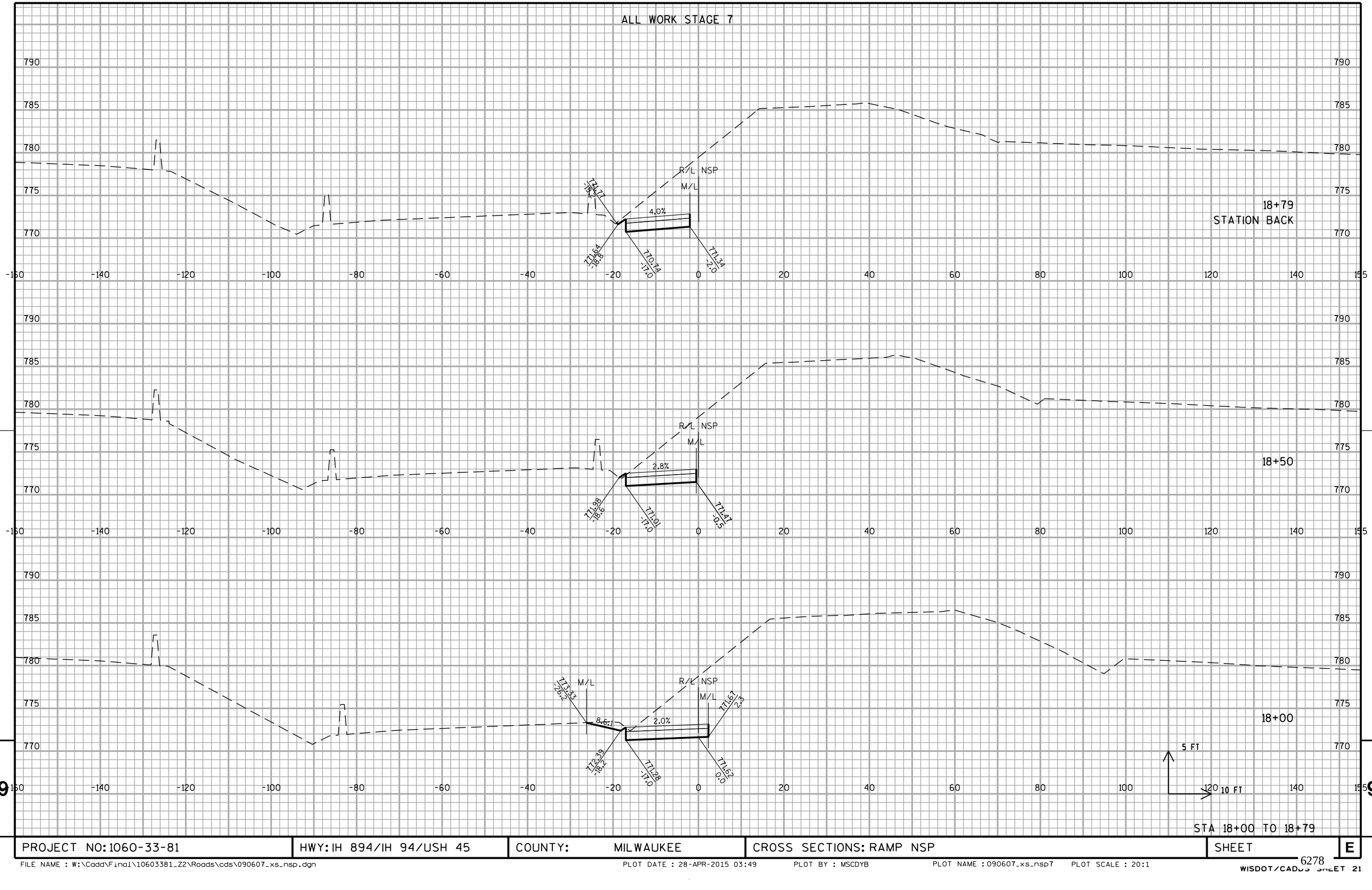


STA 16+50 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp6 PLOT SCALE : 20:1

ALL WORK STAGE 7

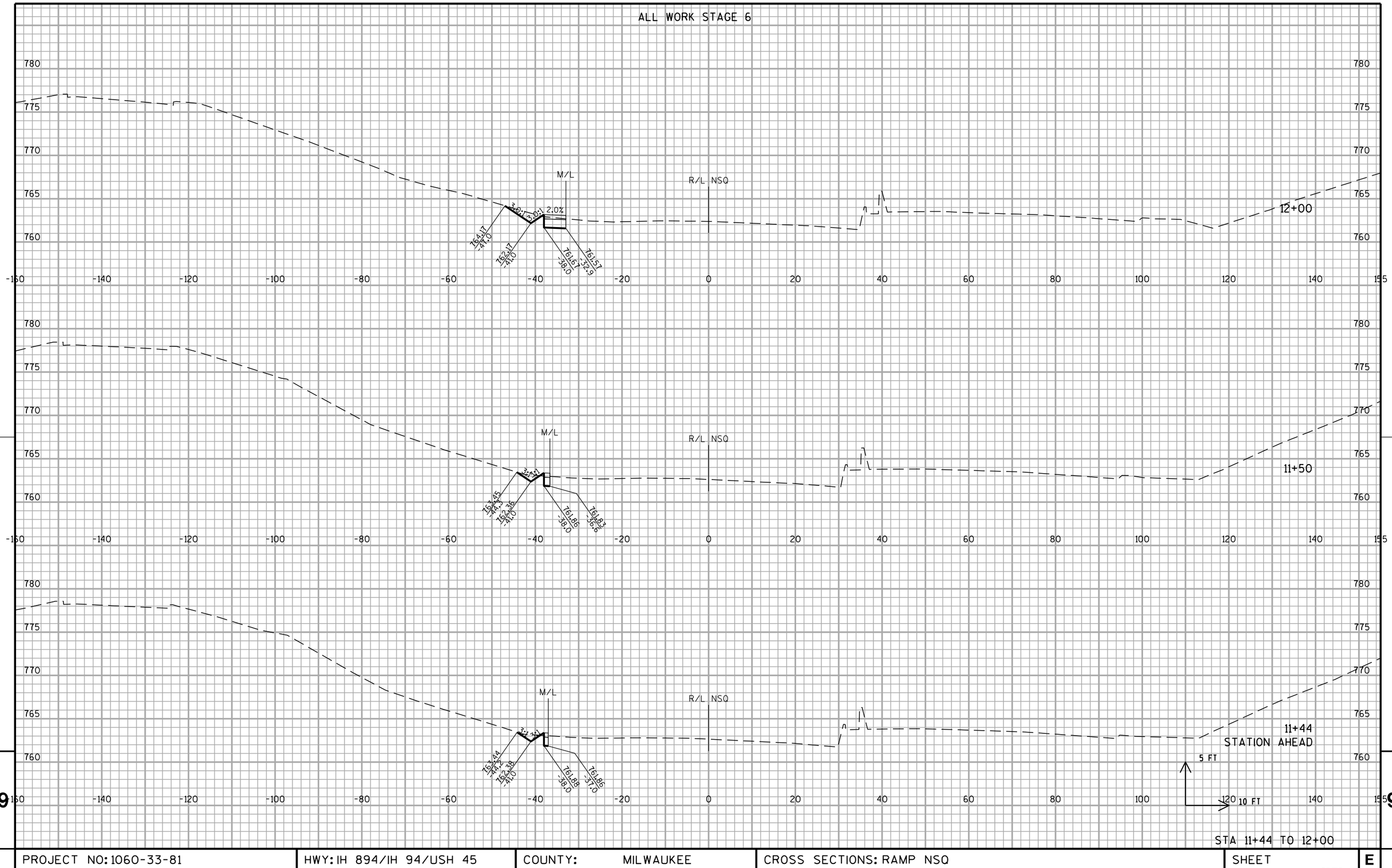


STA 18+00 TO 18+79

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090607_xs_nsp.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090607_xs_nsp7 PLOT SCALE : 20:1

ALL WORK STAGE 6

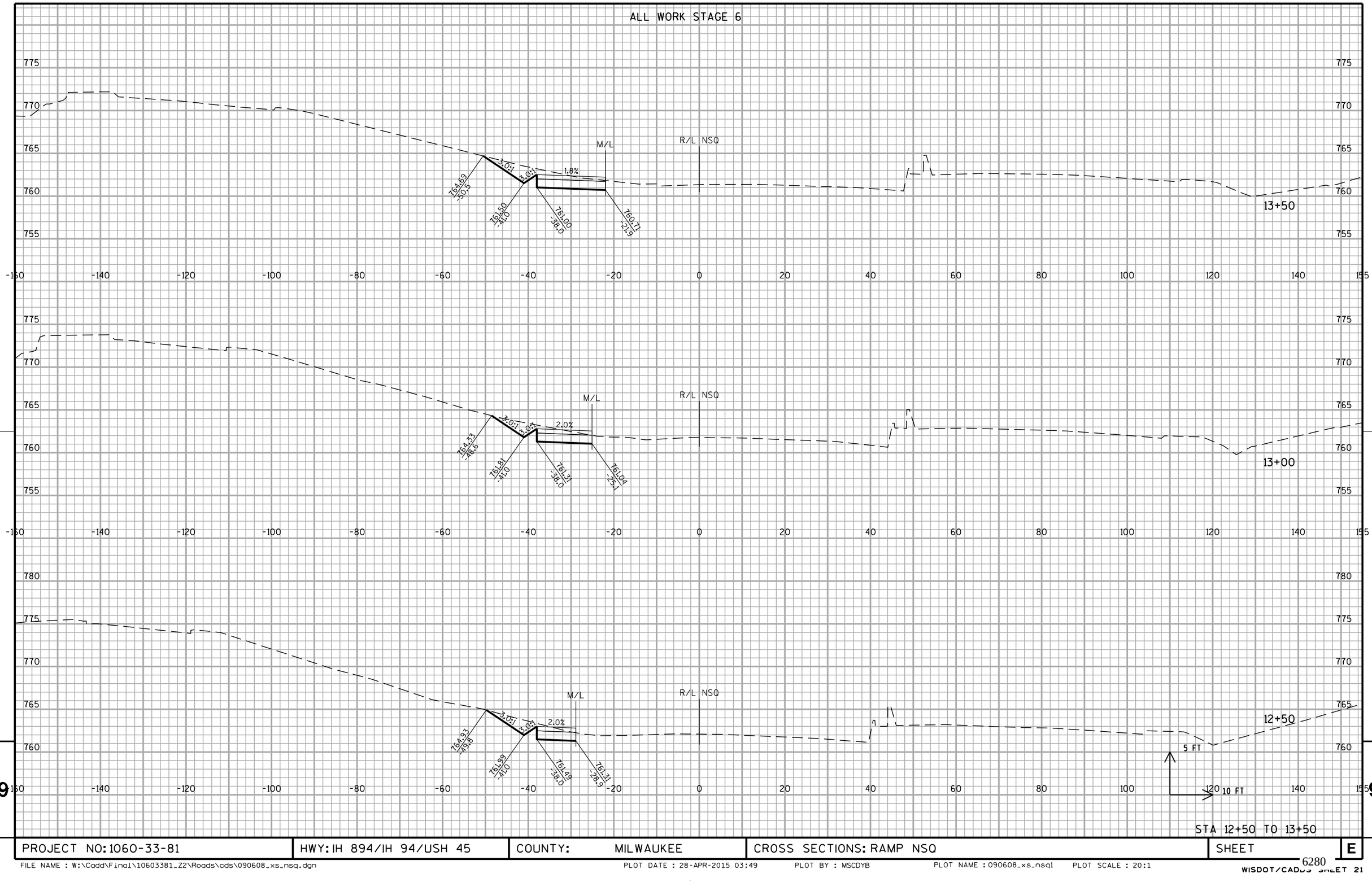


STA 11+44 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq PLOT SCALE : 20:1

ALL WORK STAGE 6

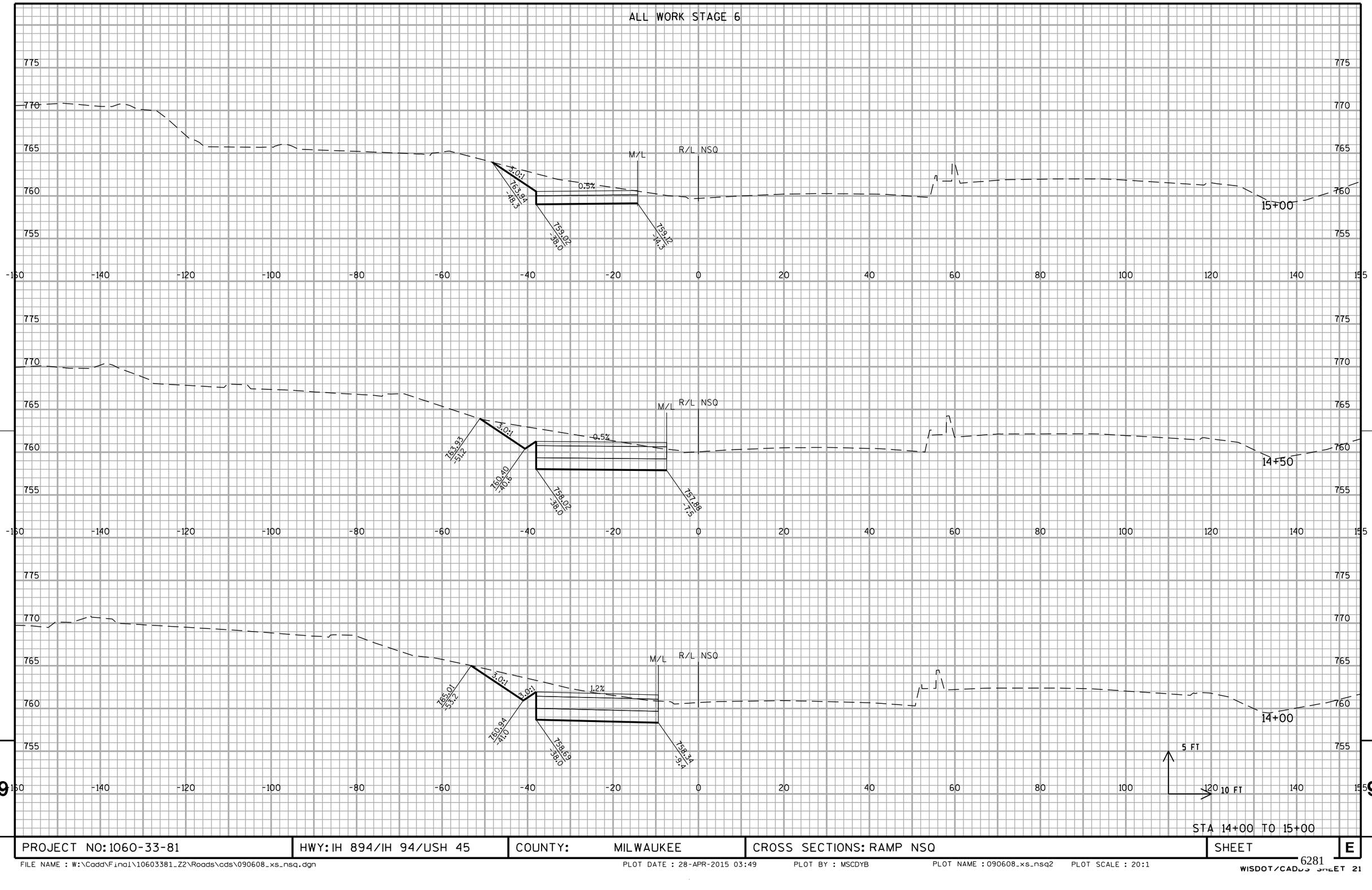


STA 12+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq1 PLOT SCALE : 20:1

ALL WORK STAGE 6

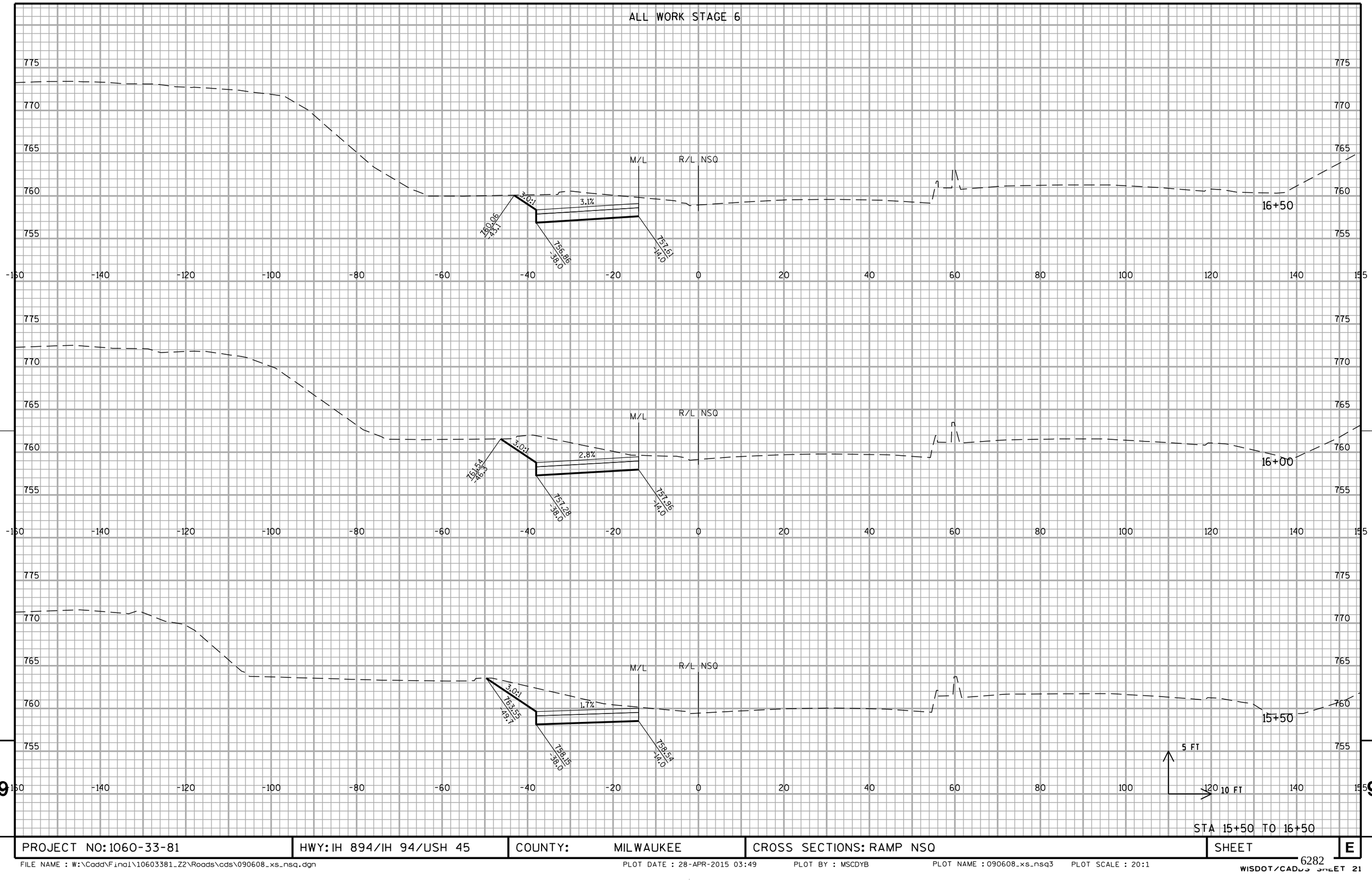


STA 14+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq2 PLOT SCALE : 20:1

ALL WORK STAGE 6

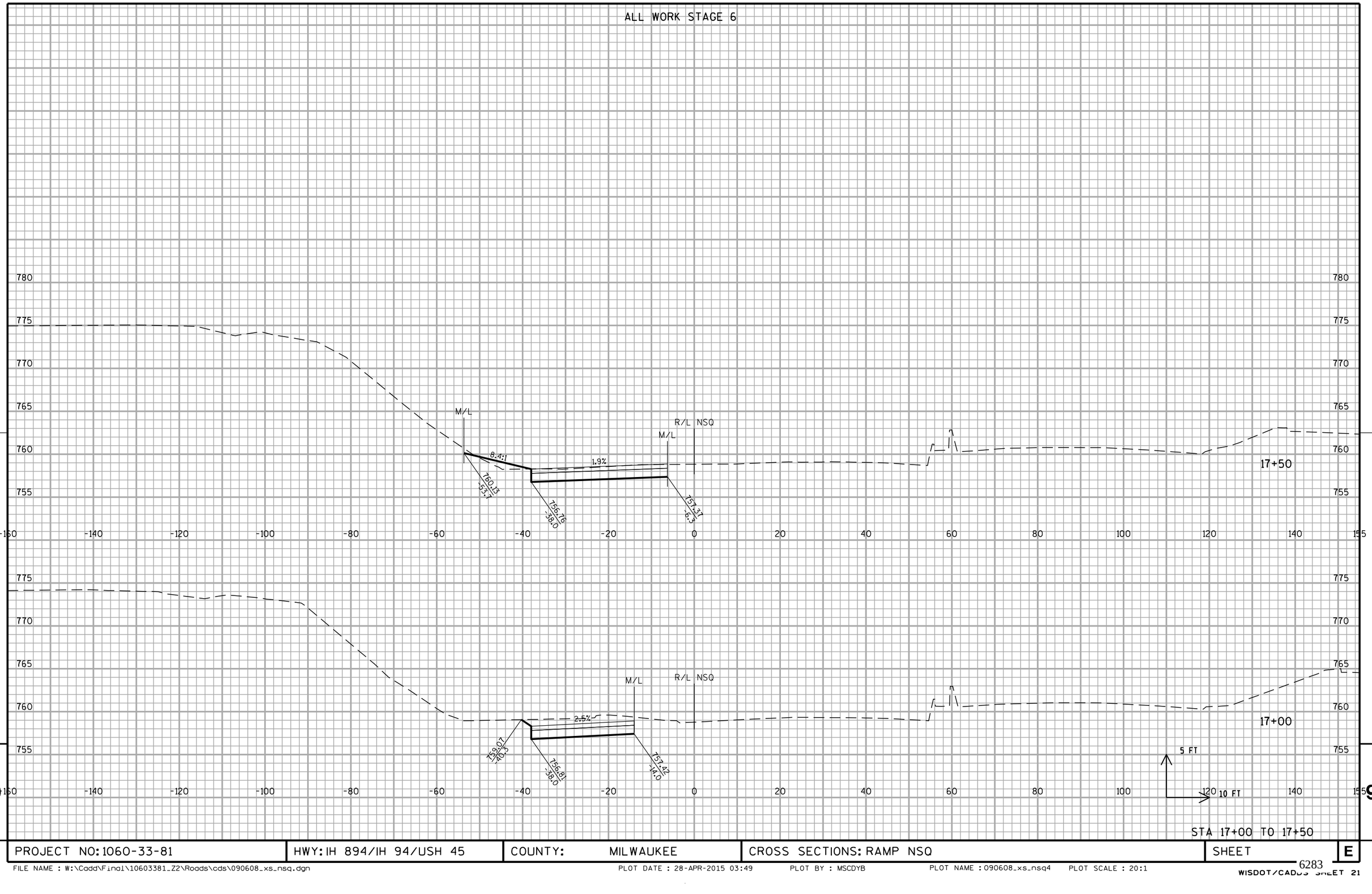


STA 15+50 TO 16+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq3 PLOT SCALE : 20:1

ALL WORK STAGE 6

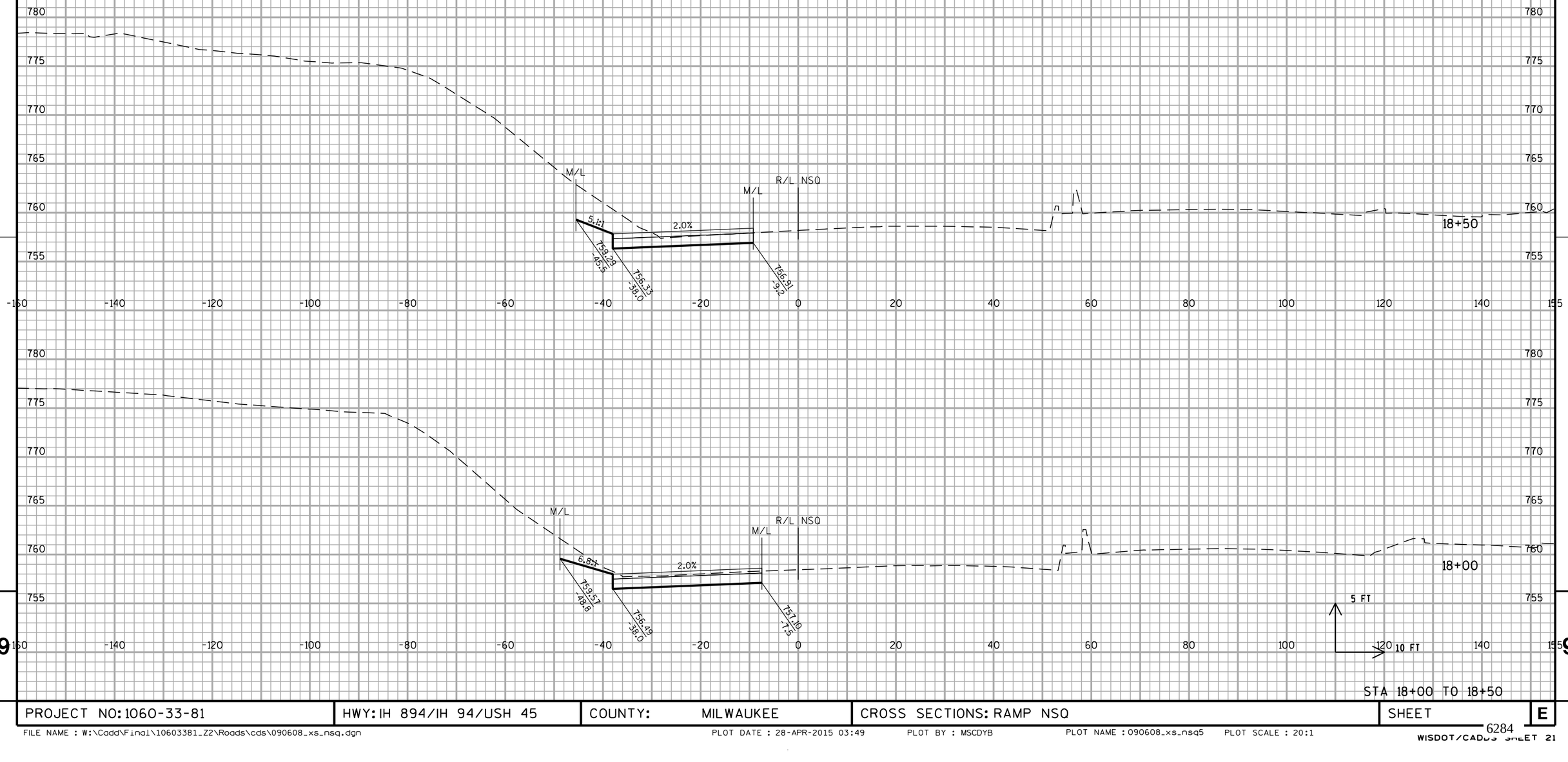


STA 17+00 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq4 PLOT SCALE : 20:1

ALL WORK STAGE 6

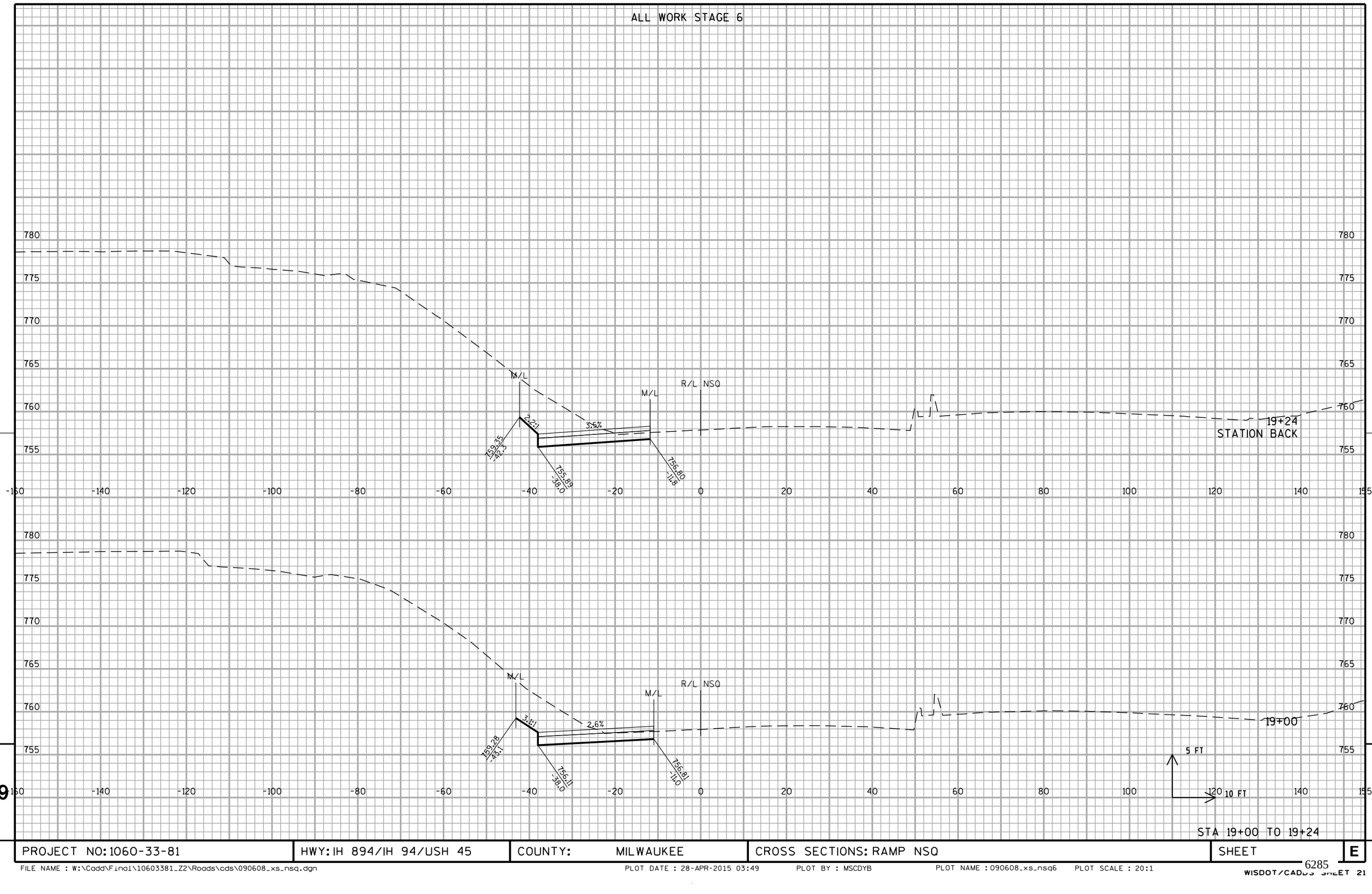


STA 18+00 TO 18+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq5 PLOT SCALE : 20:1

ALL WORK STAGE 6

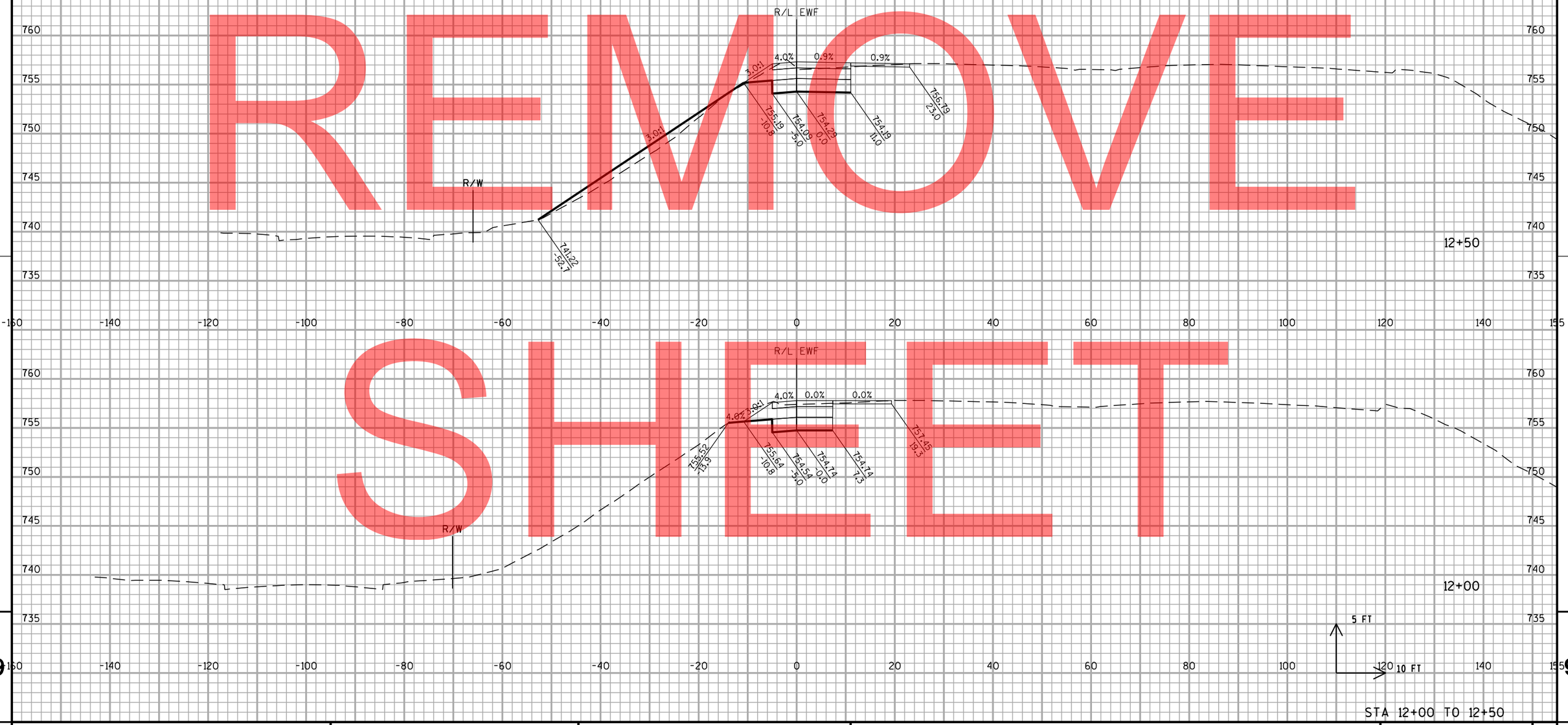


STA 19+00 TO 19+24

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP NSQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090608_xs_nsq.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090608_xs_nsq6 PLOT SCALE : 20:1

ALL WORK STAGE 1



REMOVE SHEET

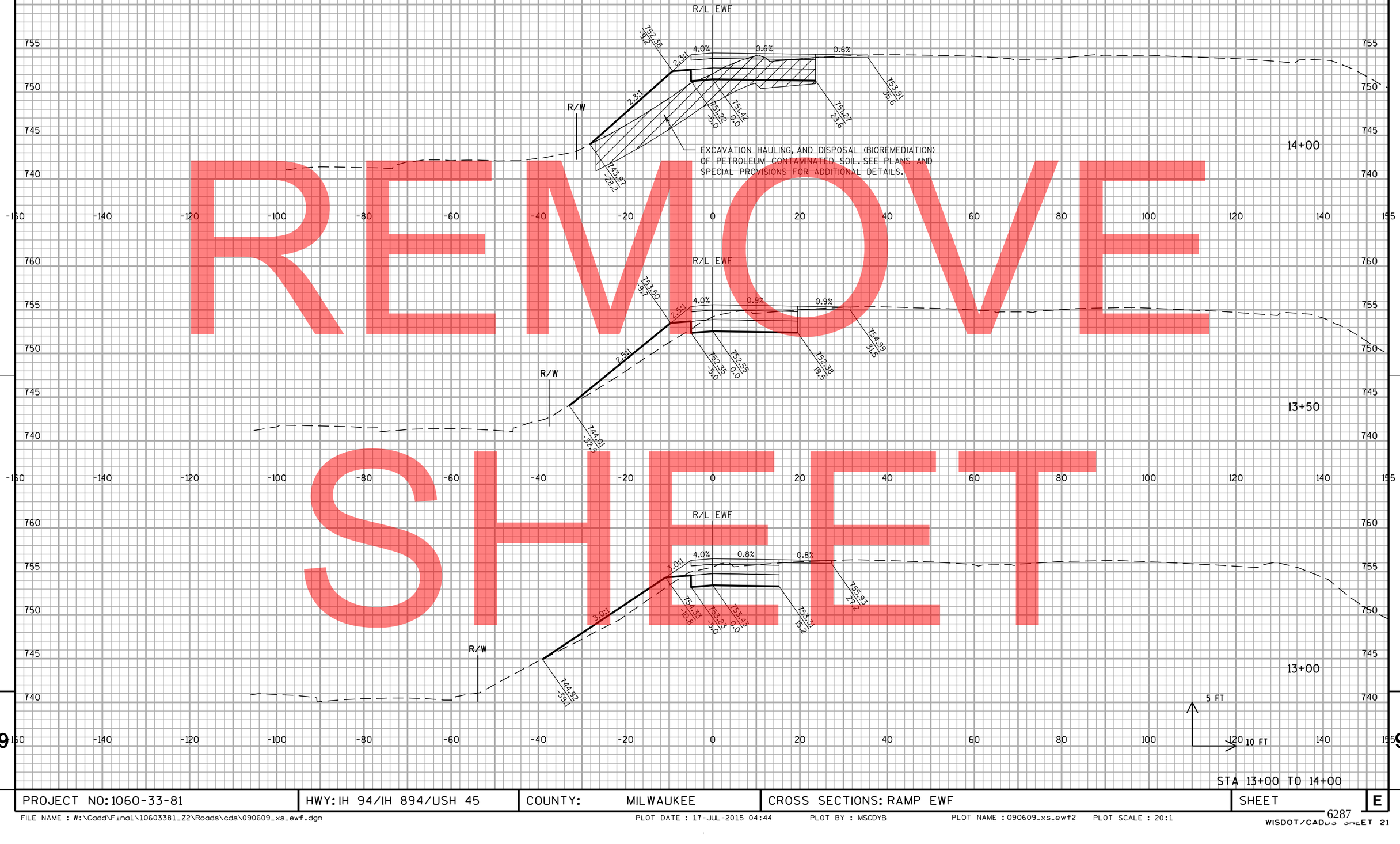
STA 12+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

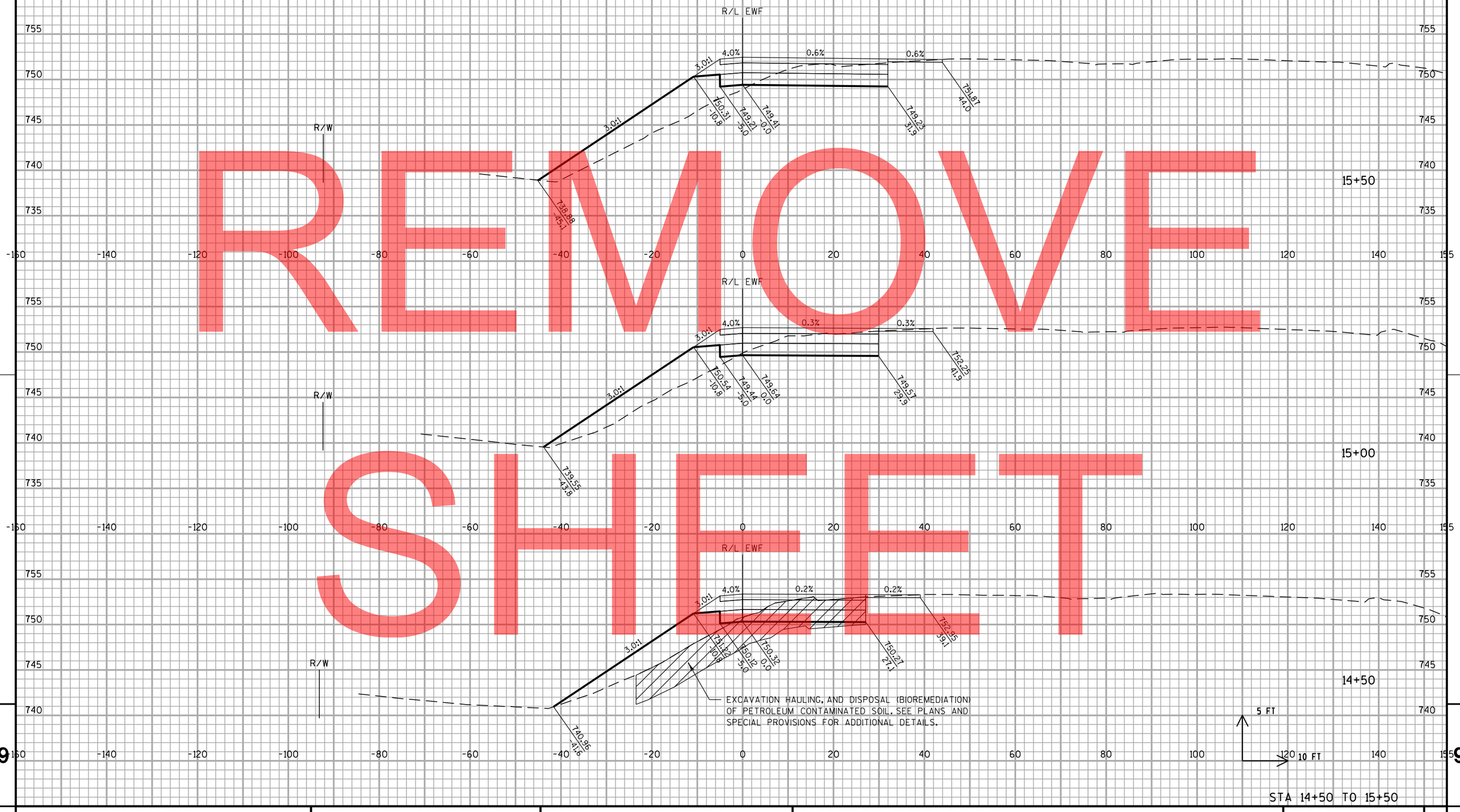
ALL WORK STAGE 1



REMOVE SHEET

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

ALL WORK STAGE 1

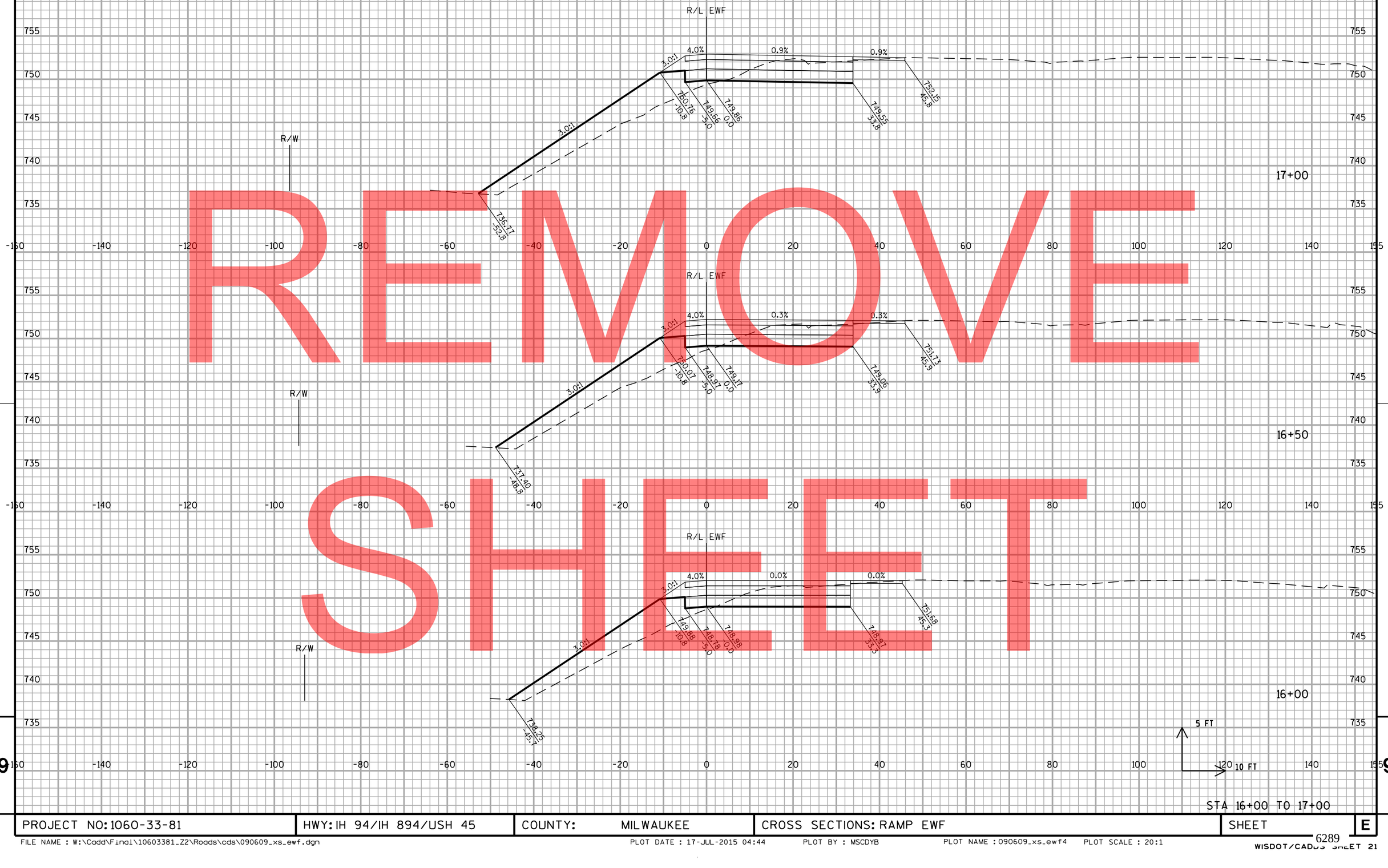


REMOVE SHEET

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf3 PLOT SCALE : 20:1

ALL WORK STAGE 1



REMOVE SHEET

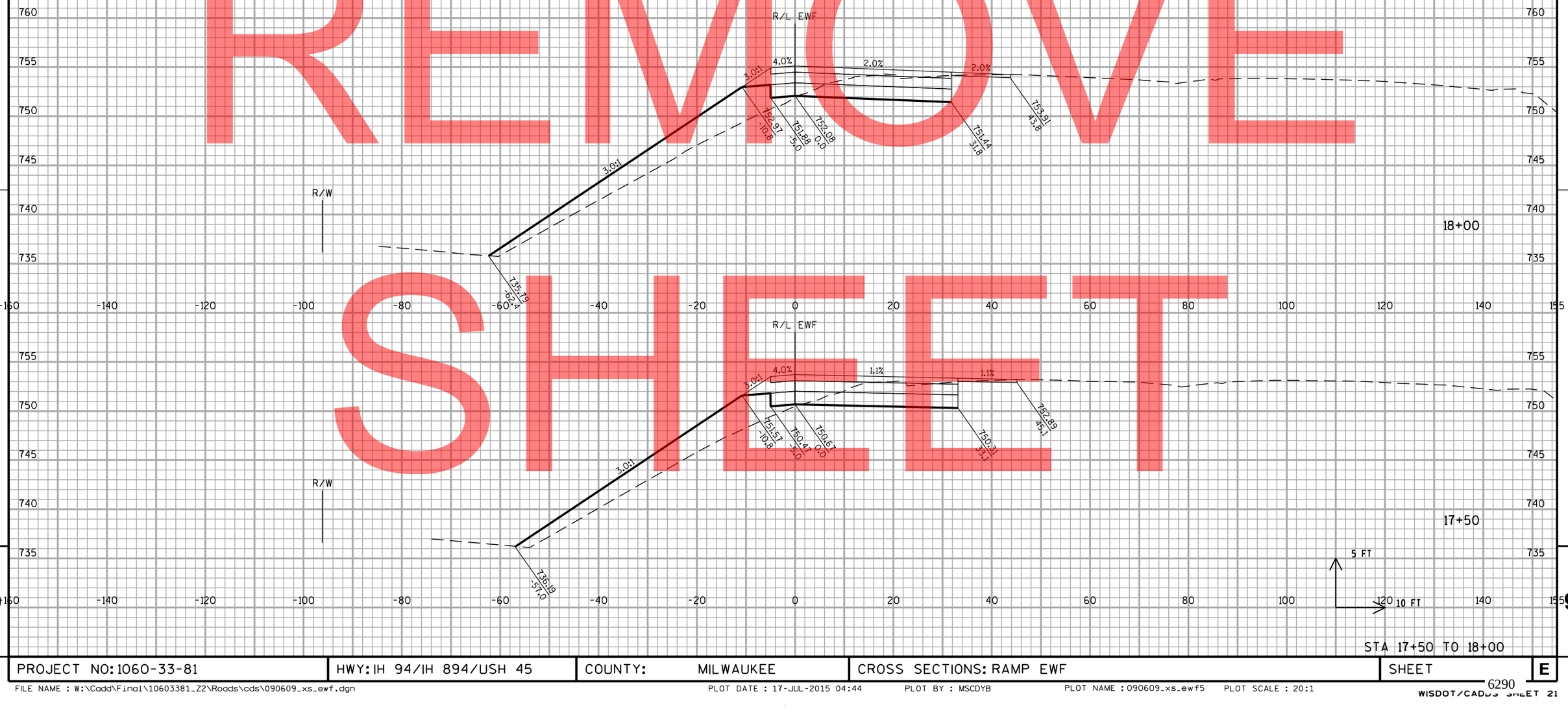
STA 16+00 TO 17+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf4 PLOT SCALE : 20:1

ALL WORK STAGE 1

REMOVE SHEET



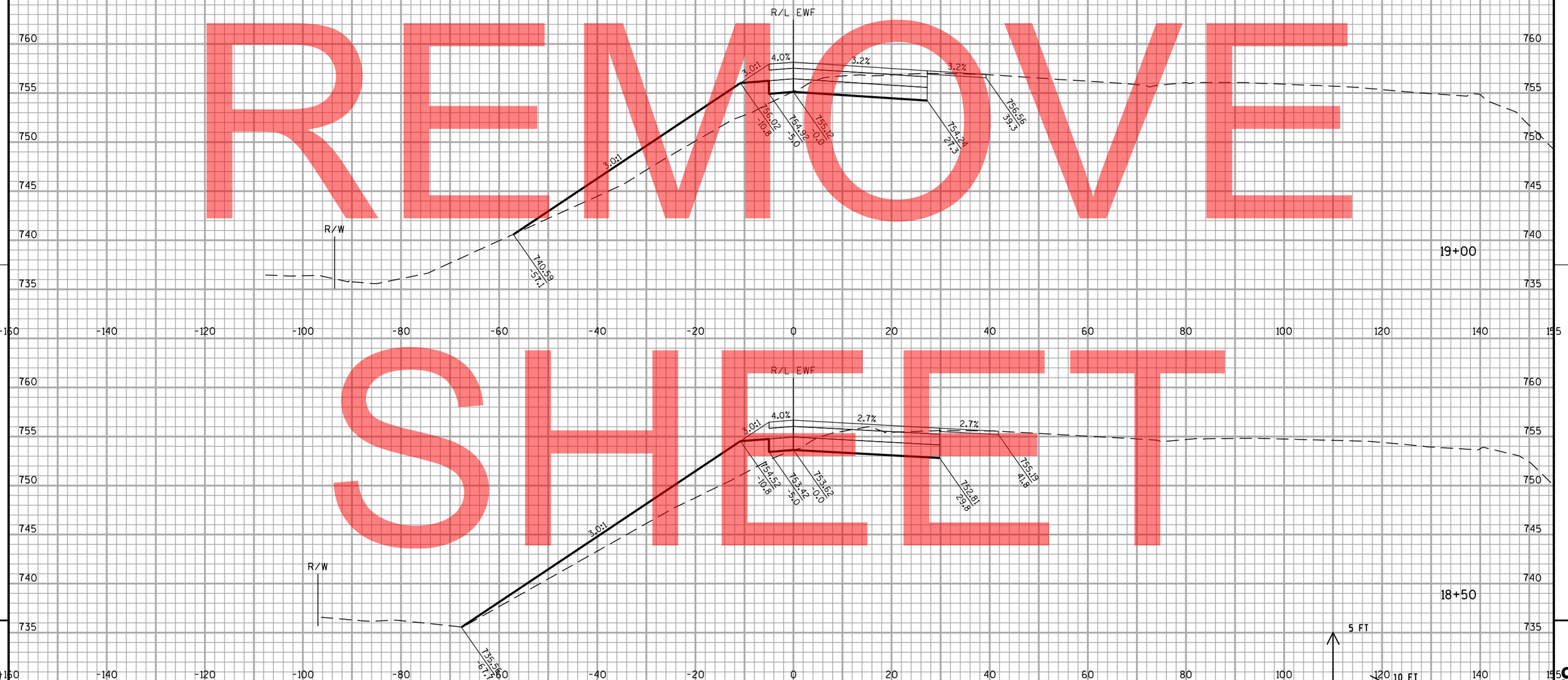
STA 17+50 TO 18+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf5 PLOT SCALE : 20:1

ALL WORK STAGE 1

REMOVE SHEET

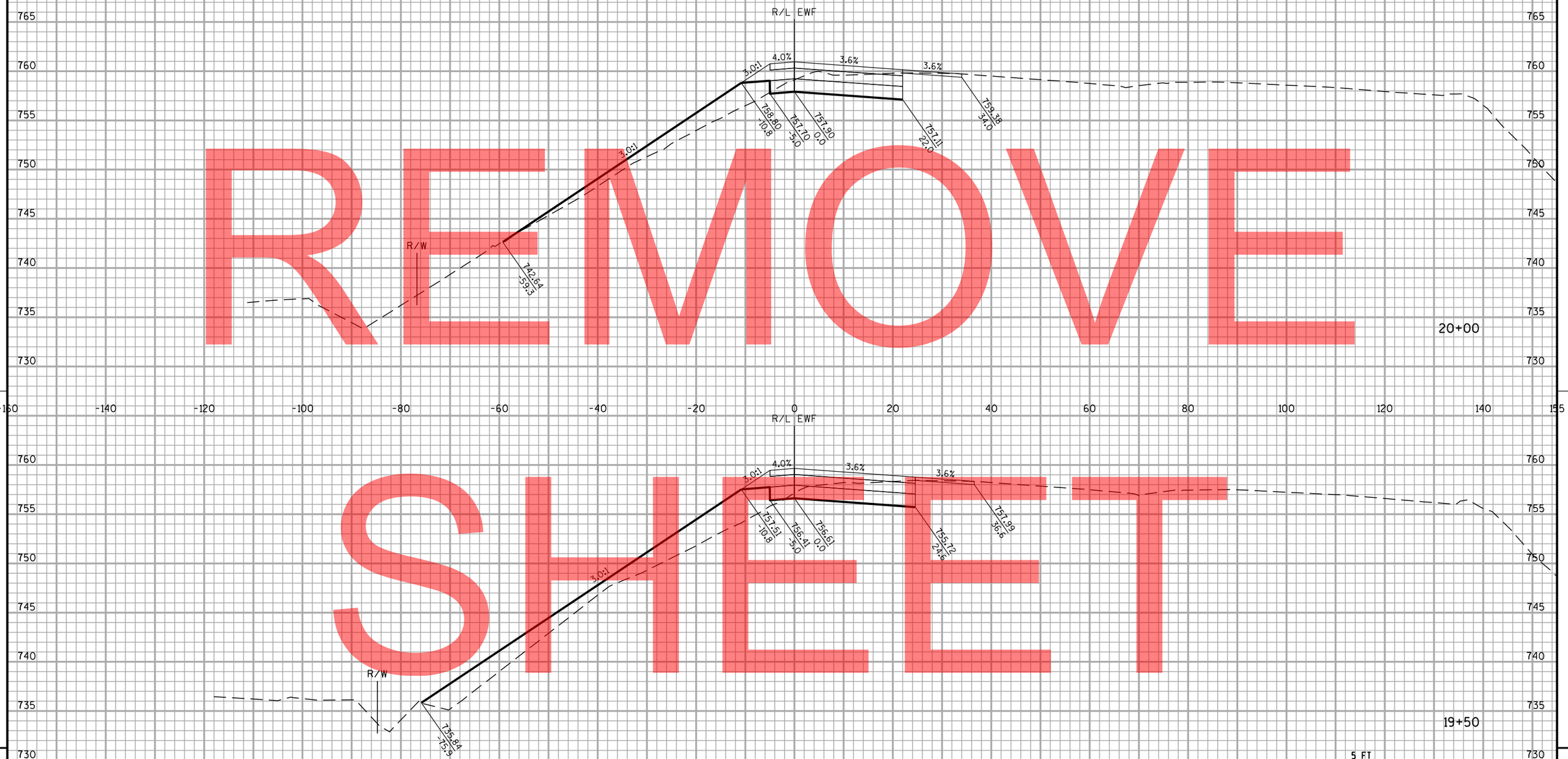


STA 18+50 TO 19+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf6 PLOT SCALE : 20:1

ALL WORK STAGE 1



REMOVE SHEET

9

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

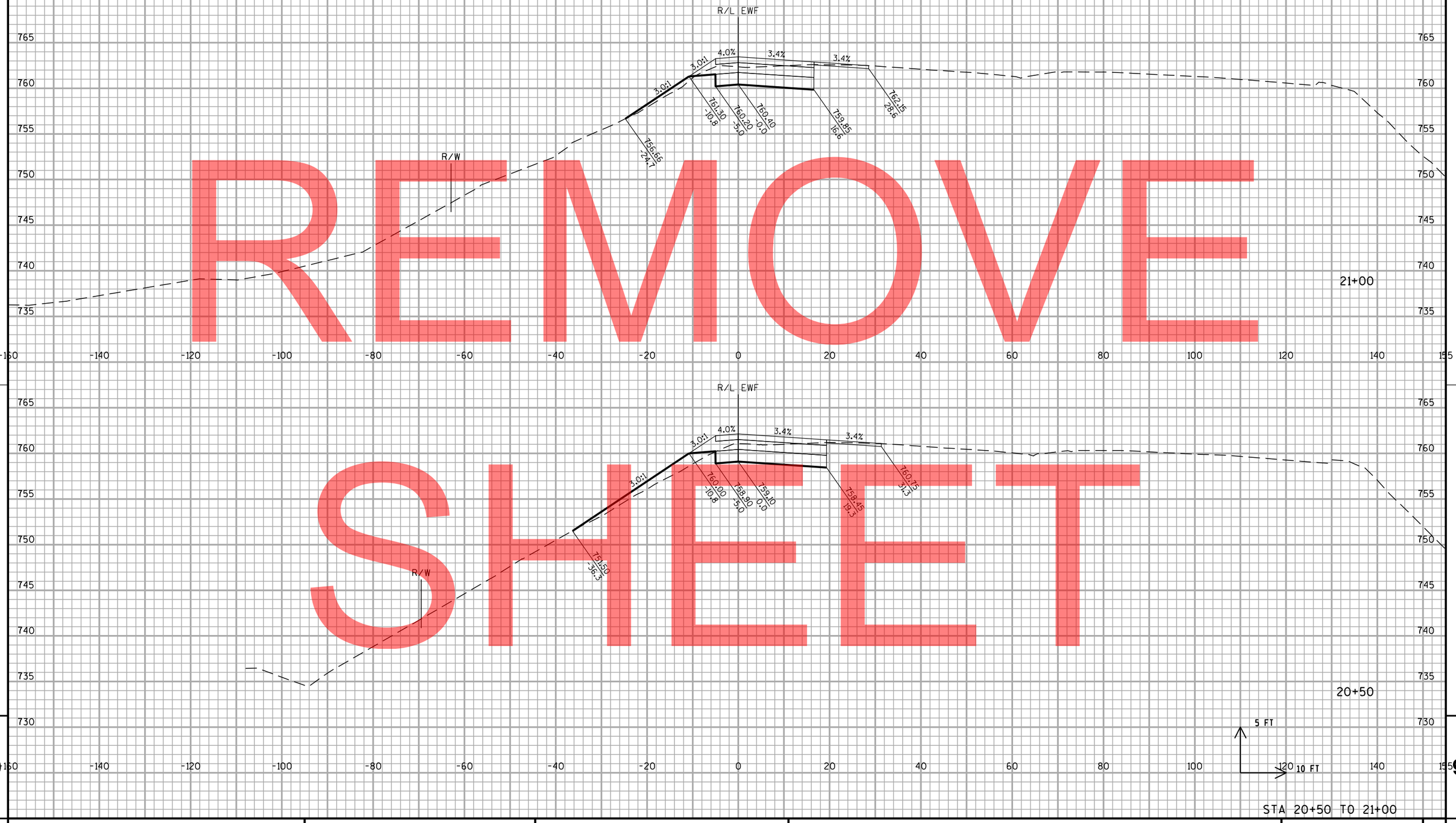
STA 19+50 TO 20+00

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



REMOVE SHEET

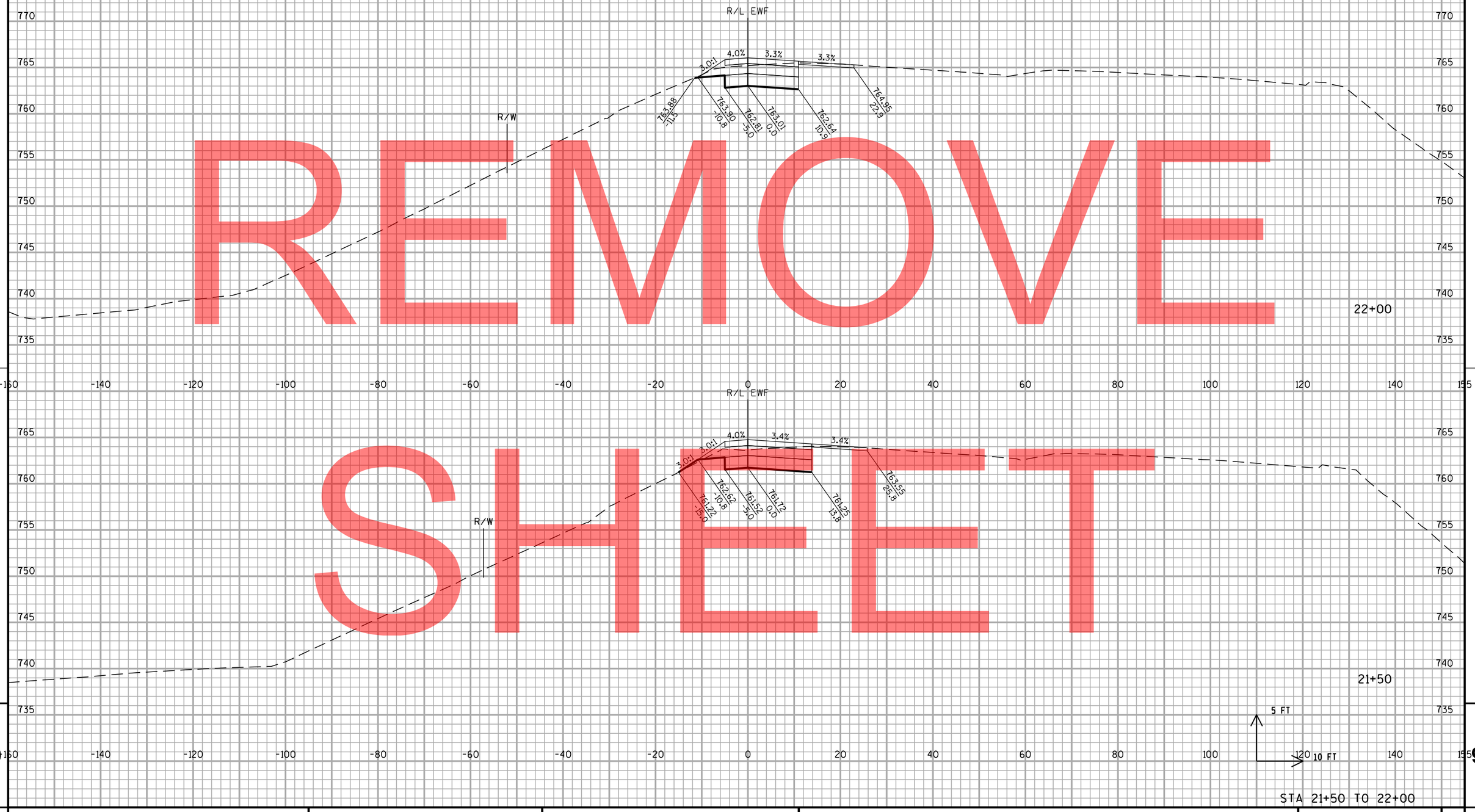
STA 20+50 TO 21+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



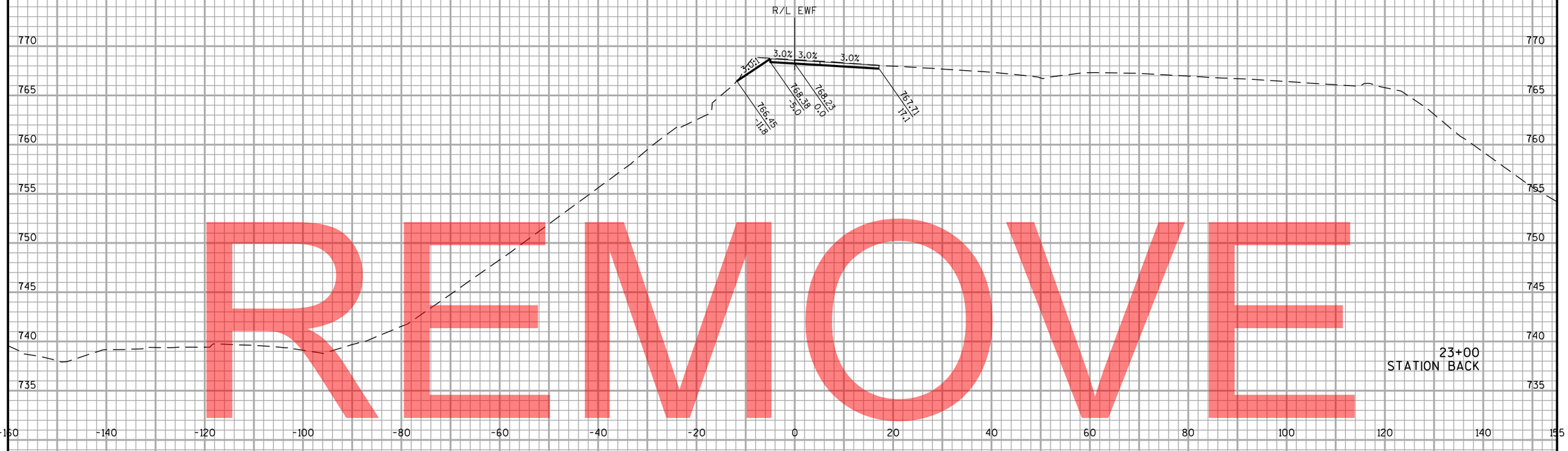
REMOVE SHEET

STA 21+50 TO 22+00

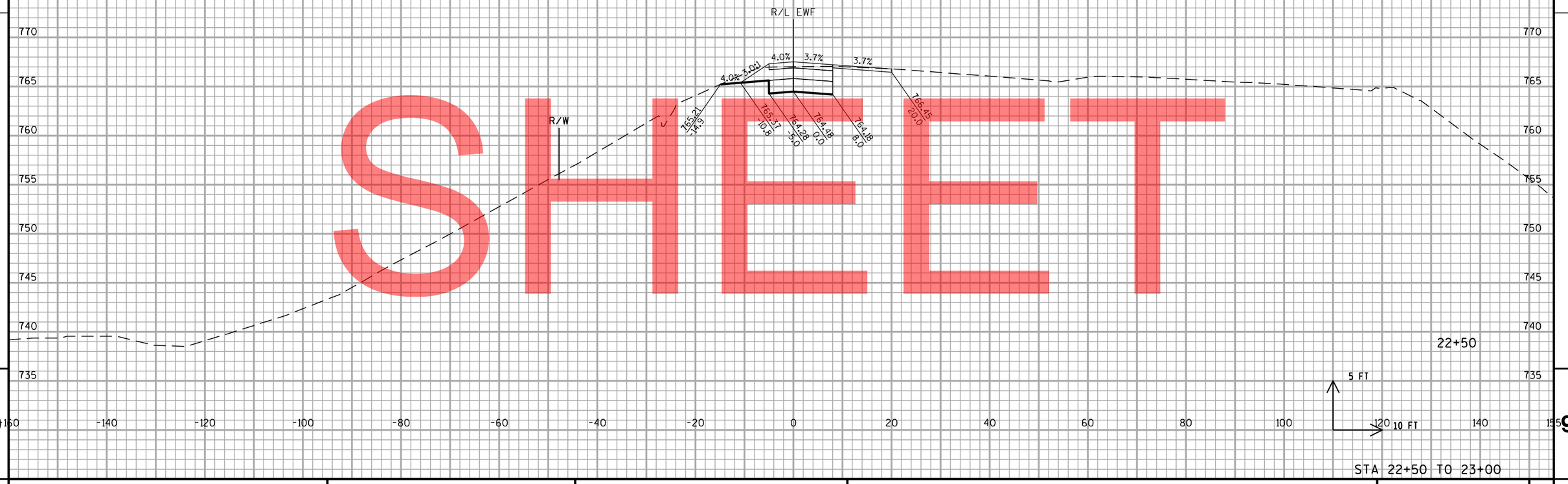
PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf9 PLOT SCALE : 20:1

ALL WORK STAGE 1



REMOVE



SHEET

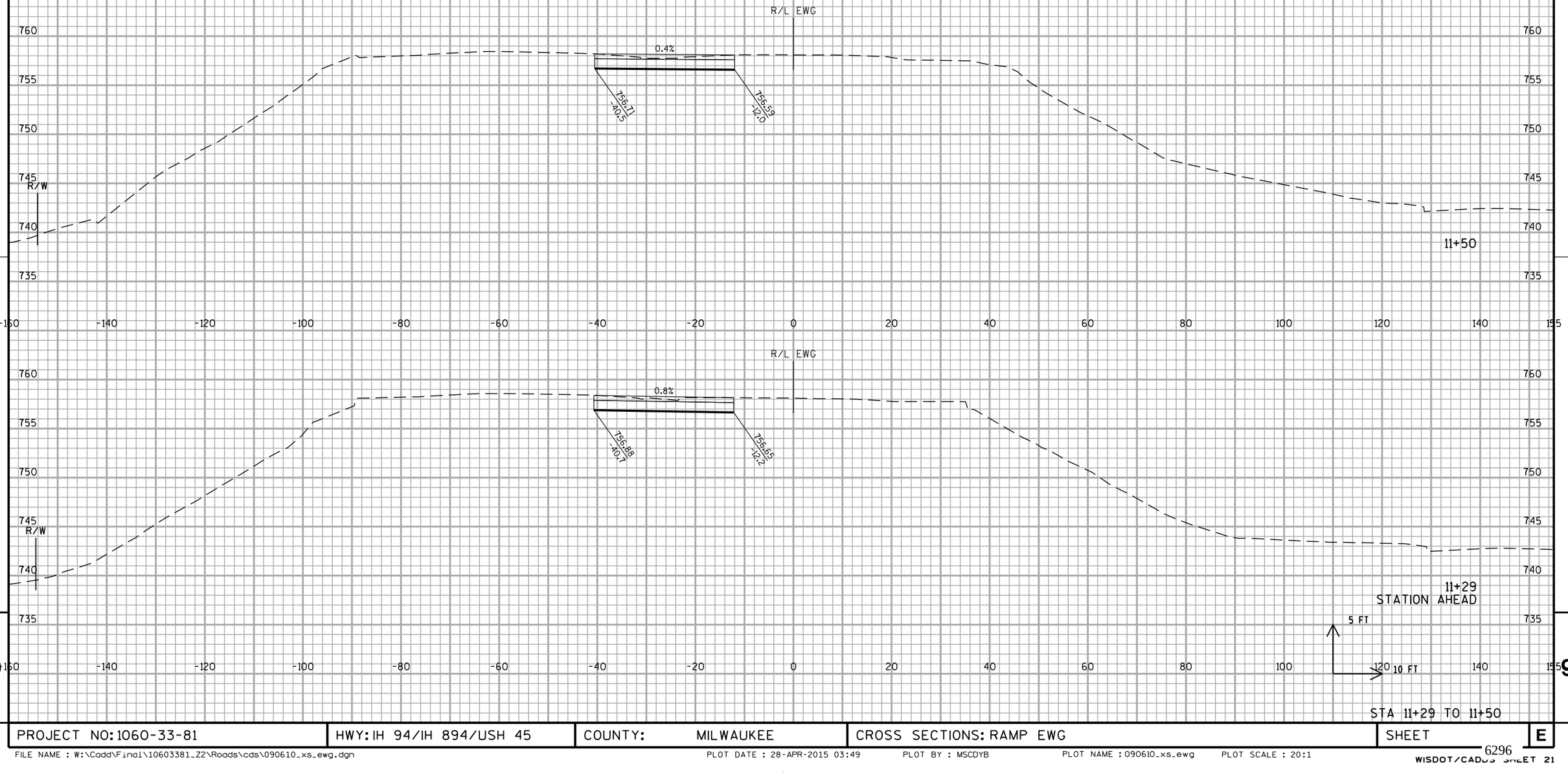
STA 22+50 TO 23+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWF	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090609_xs_ewf.dgn PLOT DATE : 17-JUL-2015 04:44 PLOT BY : MSCDYB PLOT NAME : 090609_xs_ewf10 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

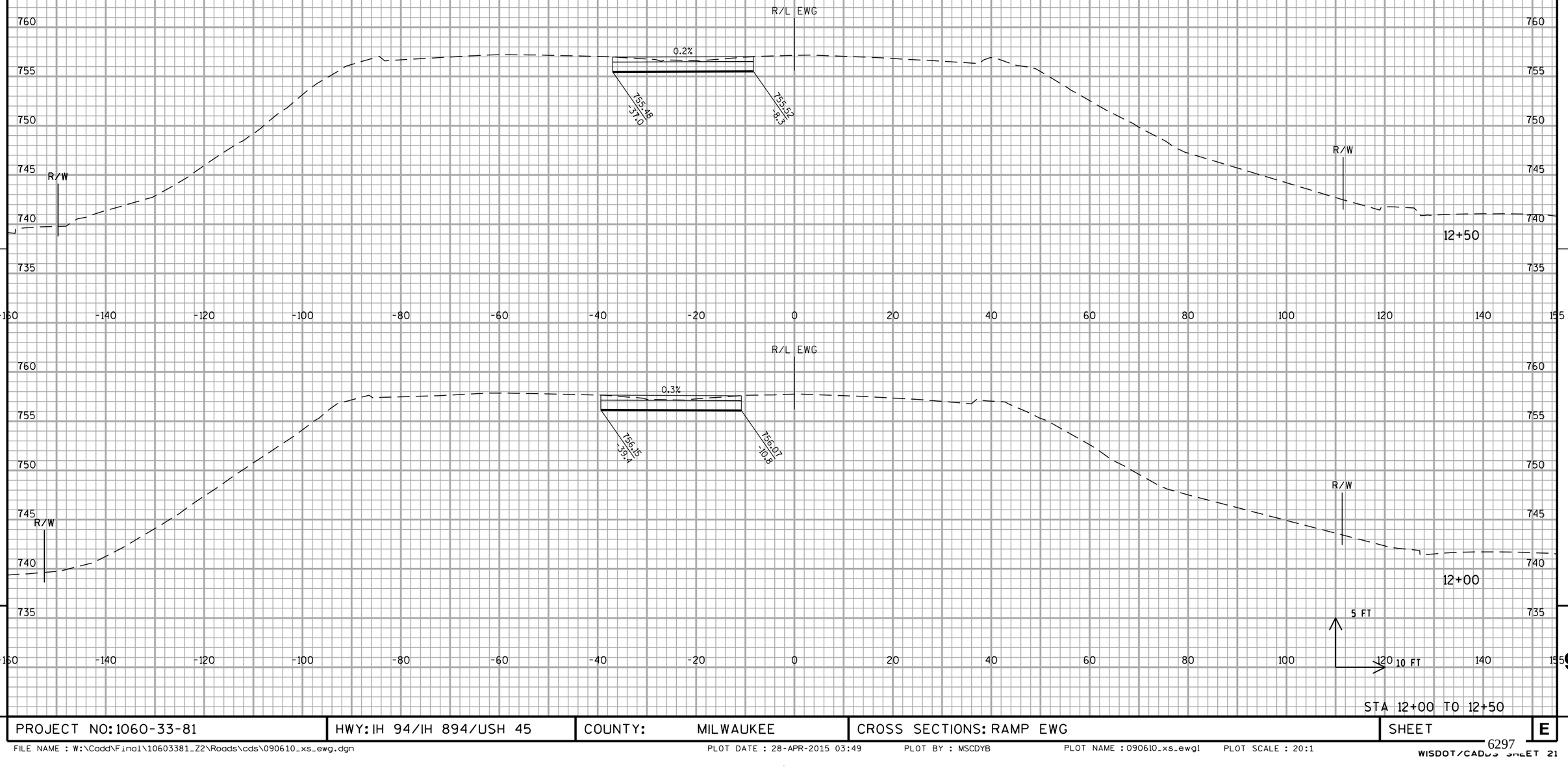


STA 11+29 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg PLOT SCALE : 20:1

ALL WORK STAGE 1



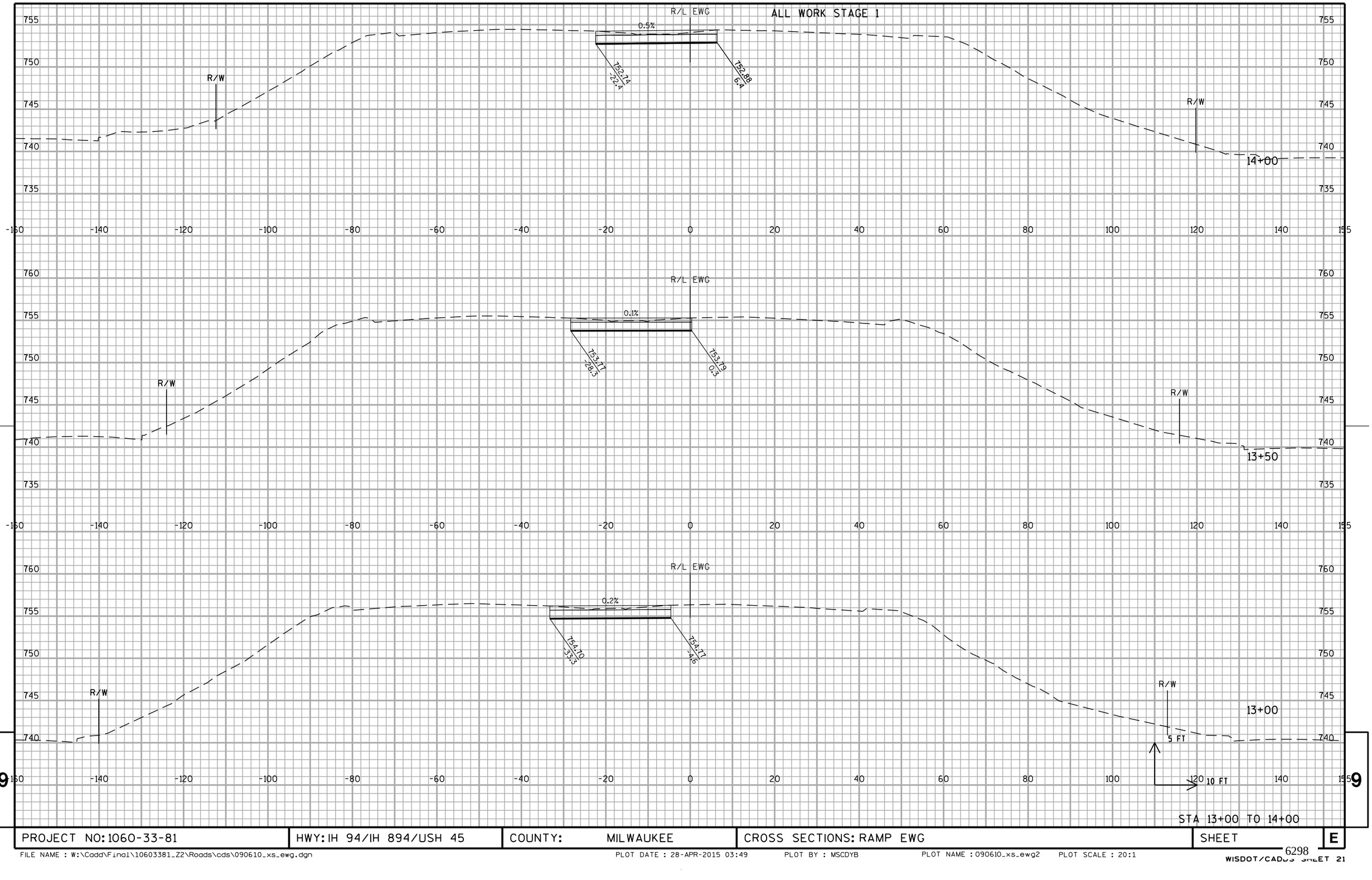
STA 12+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

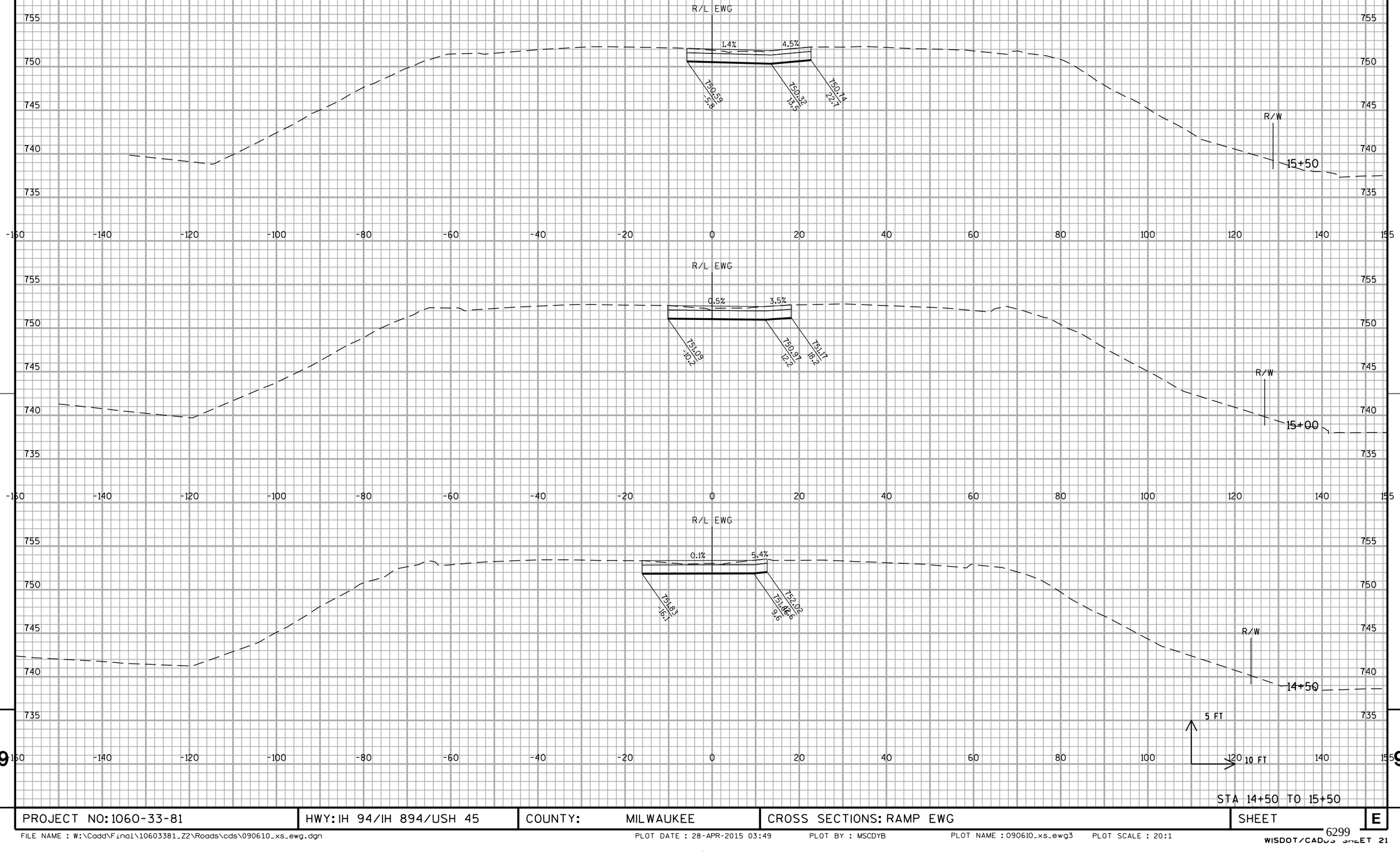
ALL WORK STAGE 1



STA 13+00 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

ALL WORK STAGE 1



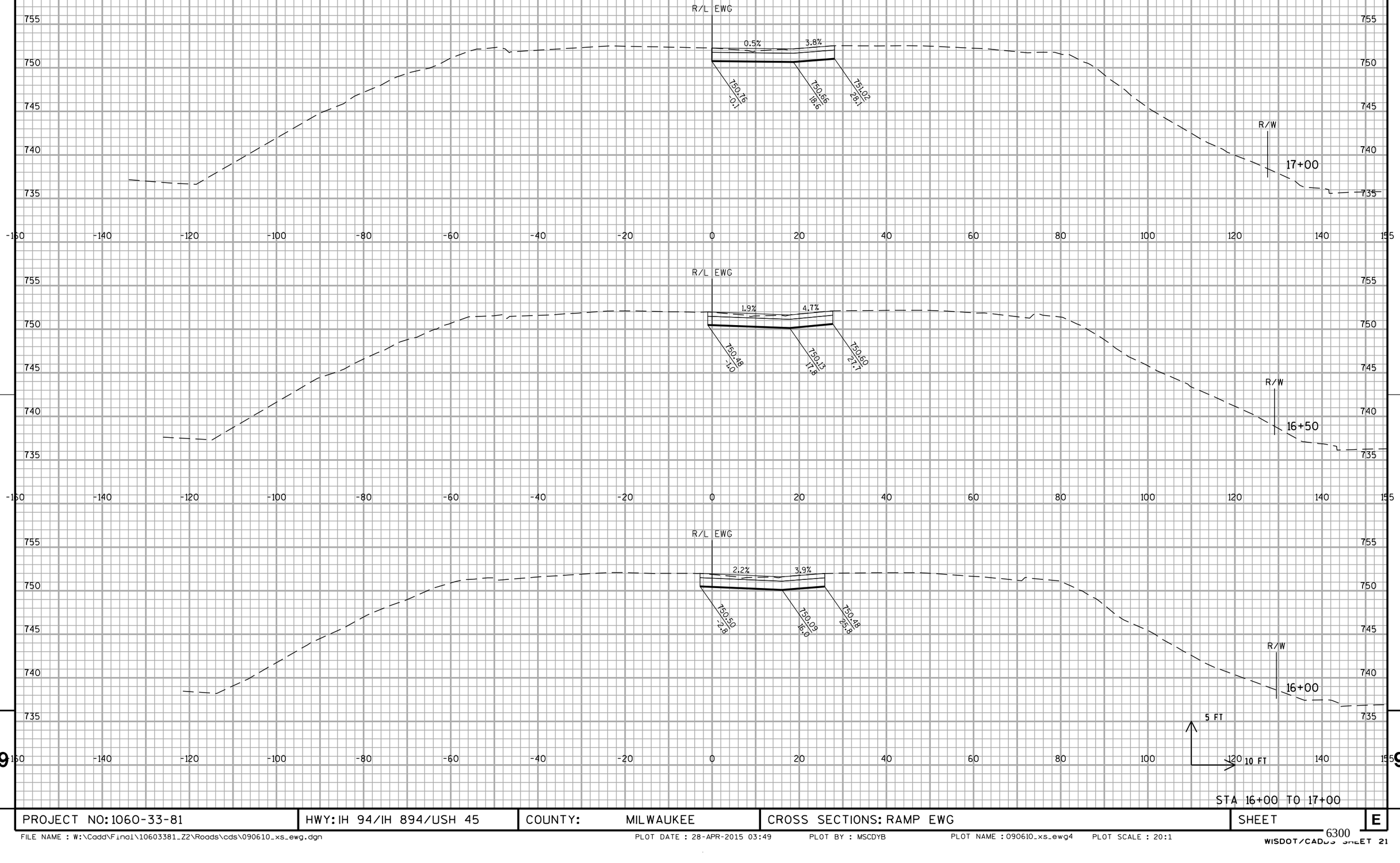
STA 14+50 TO 15+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1

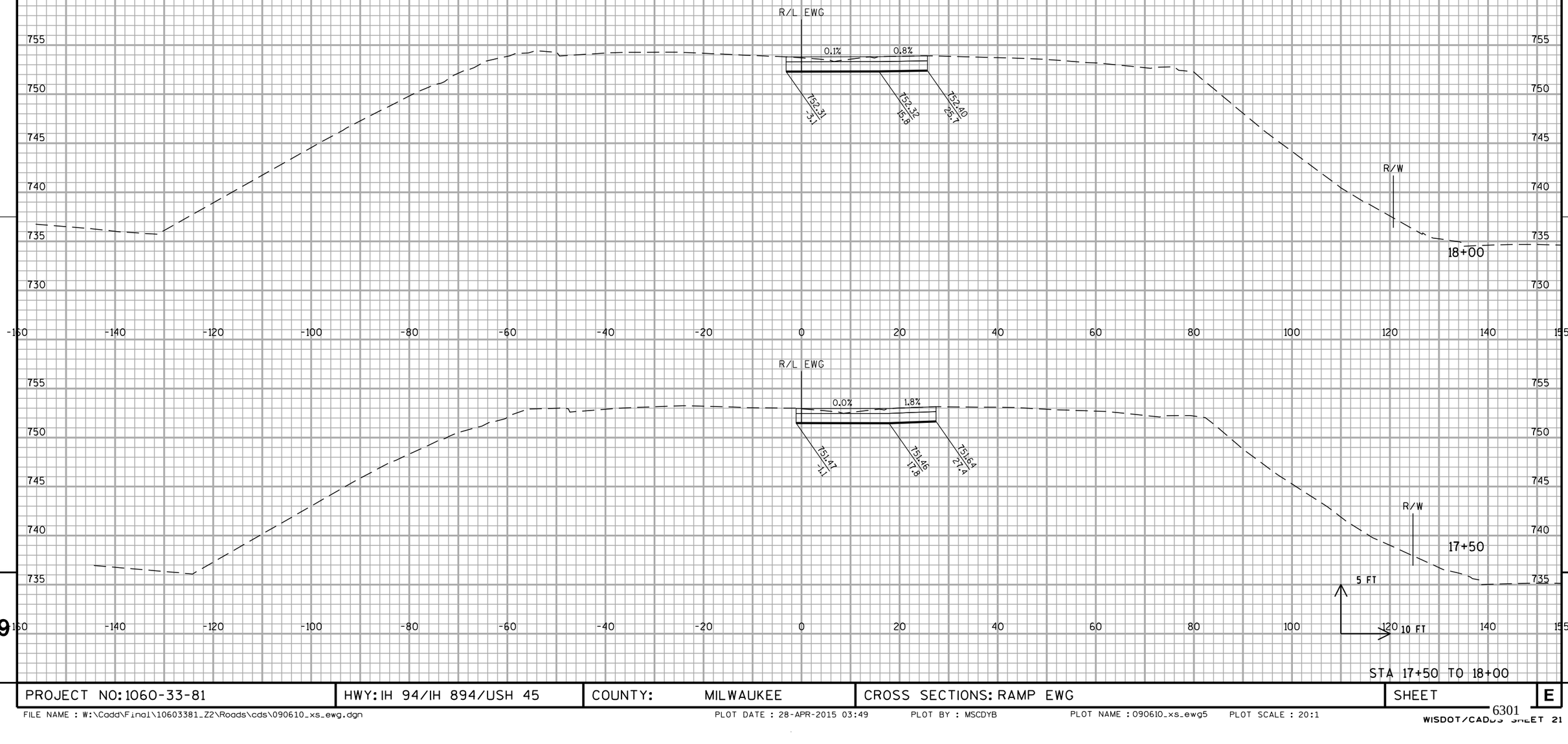


STA 16+00 TO 17+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg4 PLOT SCALE : 20:1

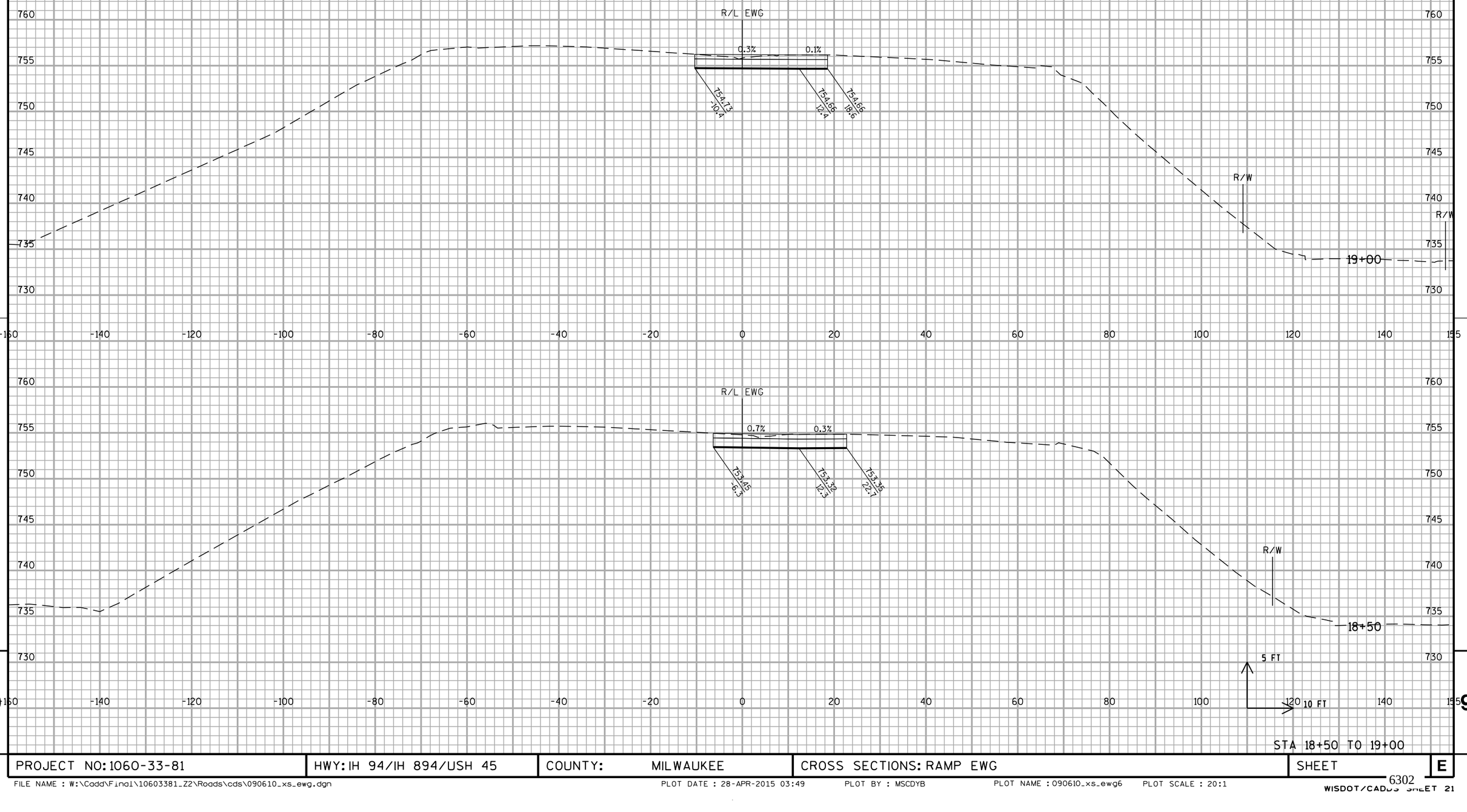
ALL WORK STAGE 1



STA 17+50 TO 18+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

ALL WORK STAGE 1

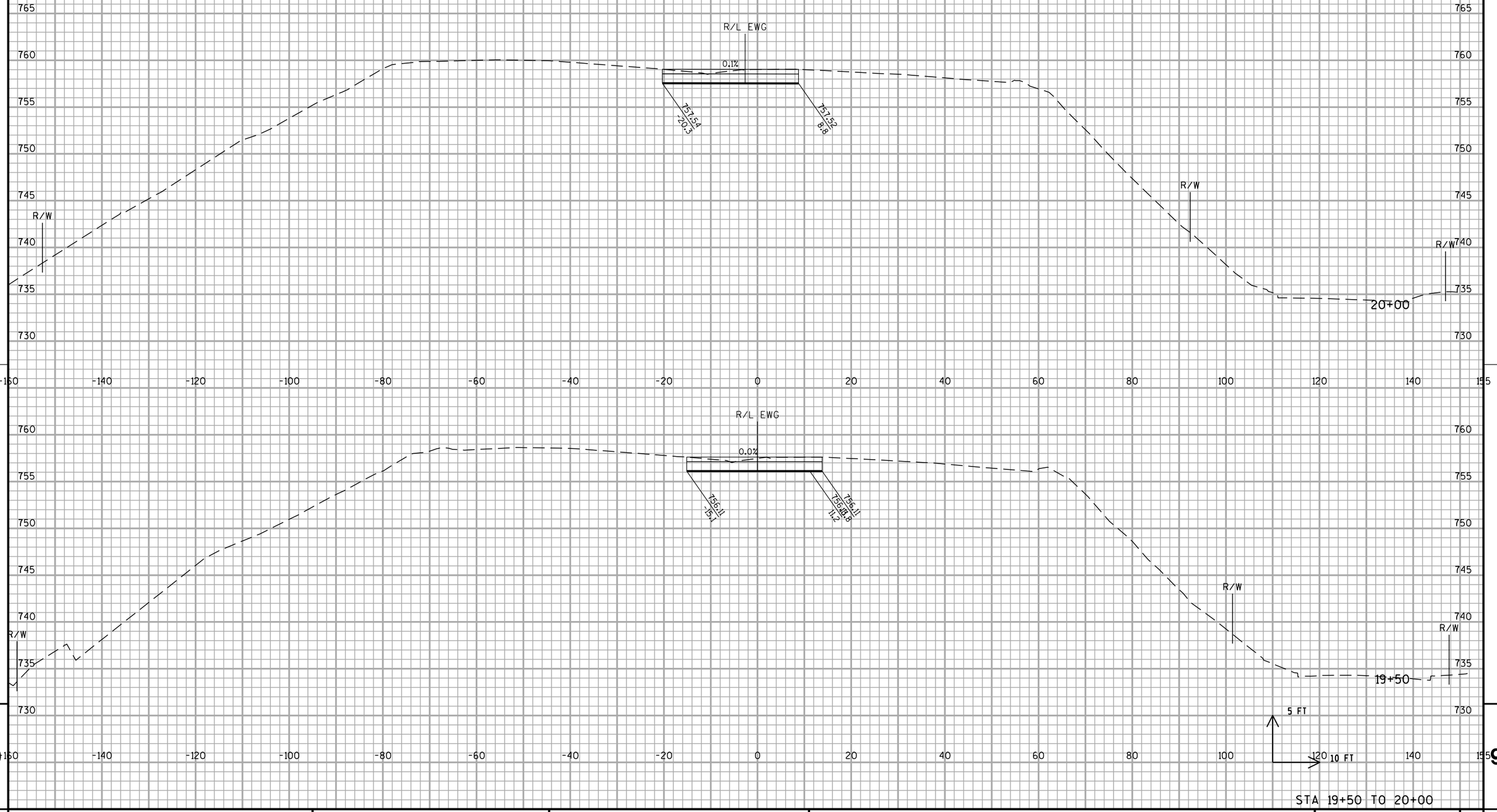


STA 18+50 TO 19+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg6 PLOT SCALE : 20:1

ALL WORK STAGE 1

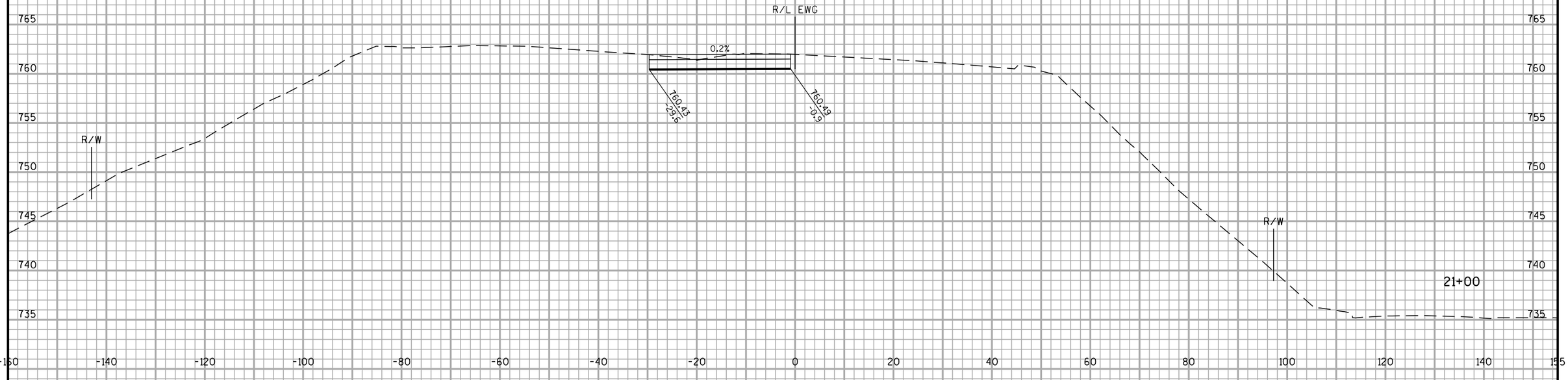


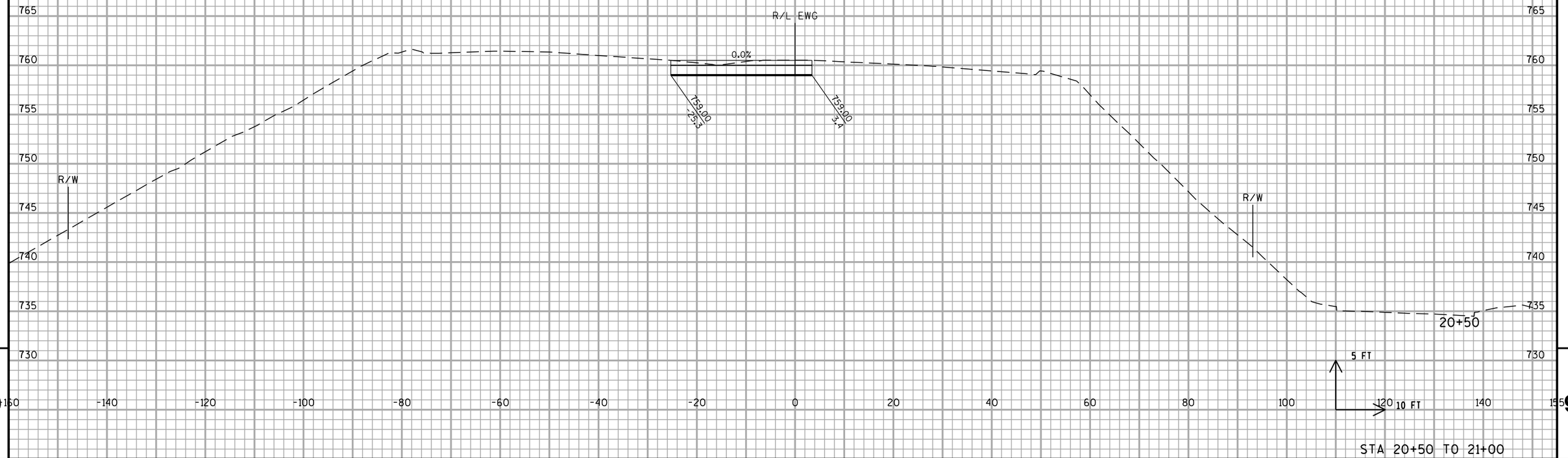
STA 19+50 TO 20+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg7 PLOT SCALE : 20:1

ALL WORK STAGE 1





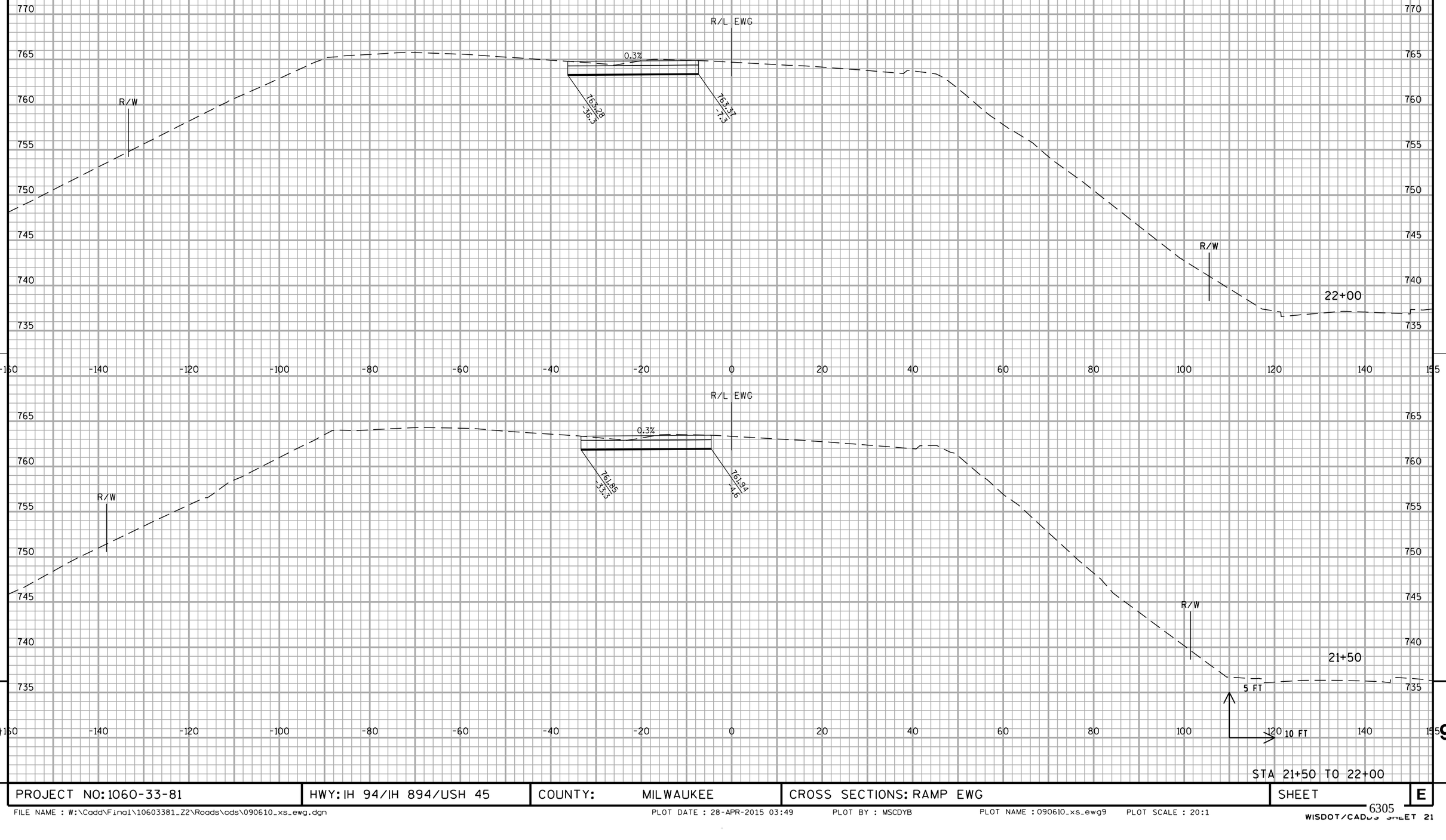
STA 20+50 TO 21+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



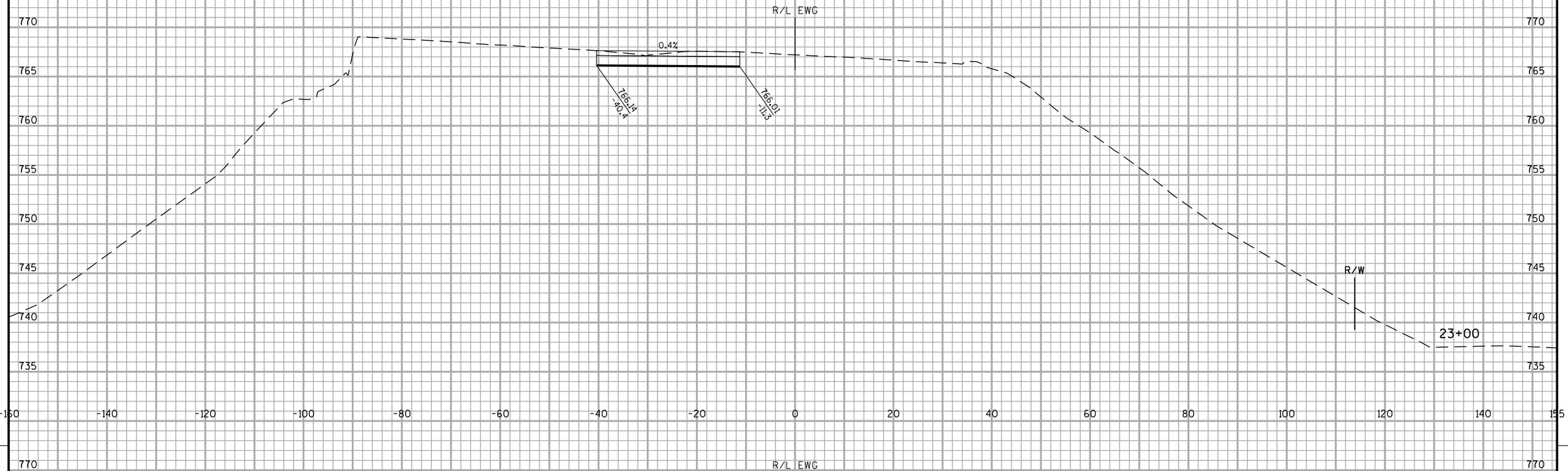
STA 21+50 TO 22+00

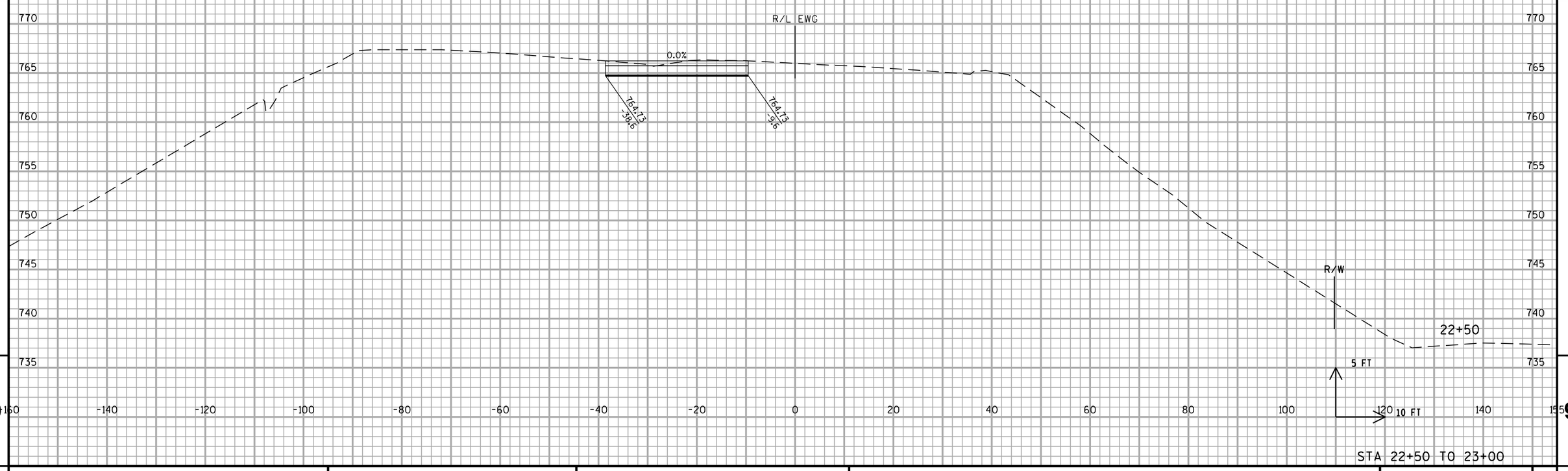
PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 1



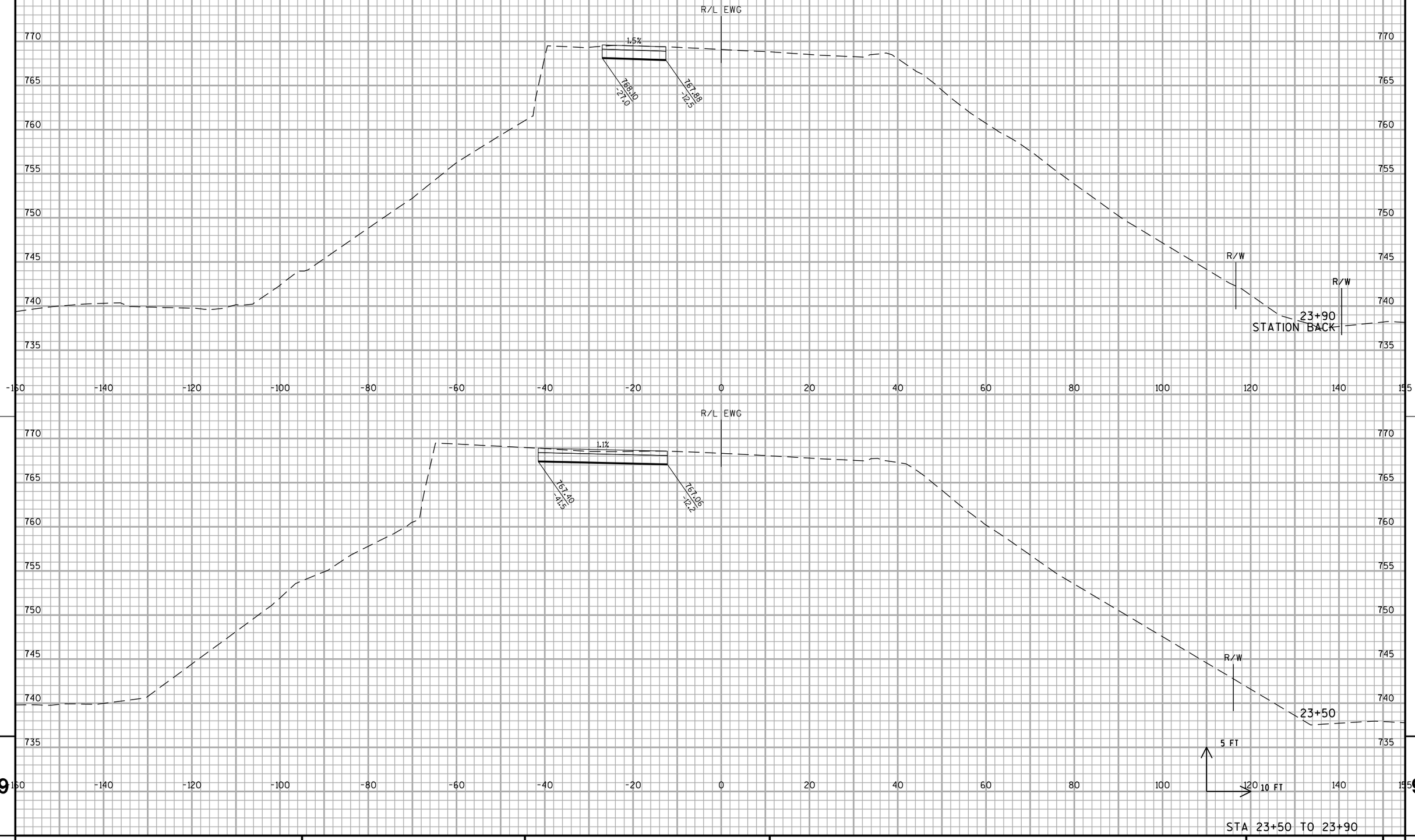


STA 22+50 TO 23+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg10 PLOT SCALE : 20:1

ALL WORK STAGE 1

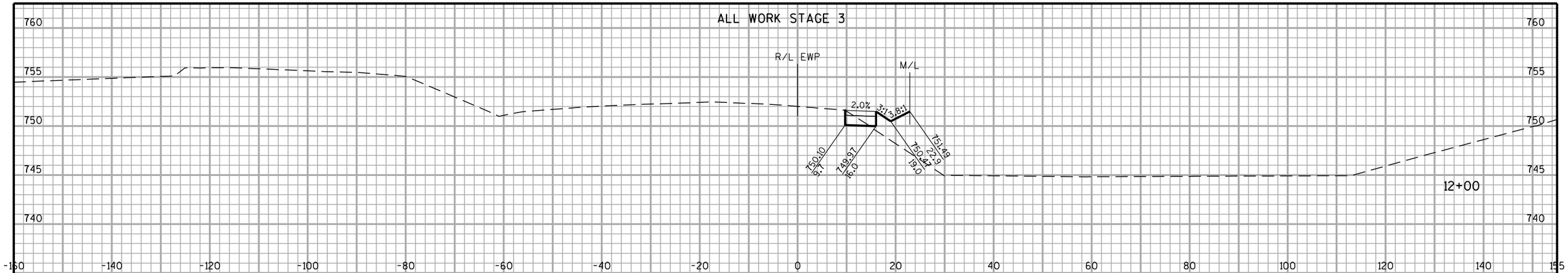


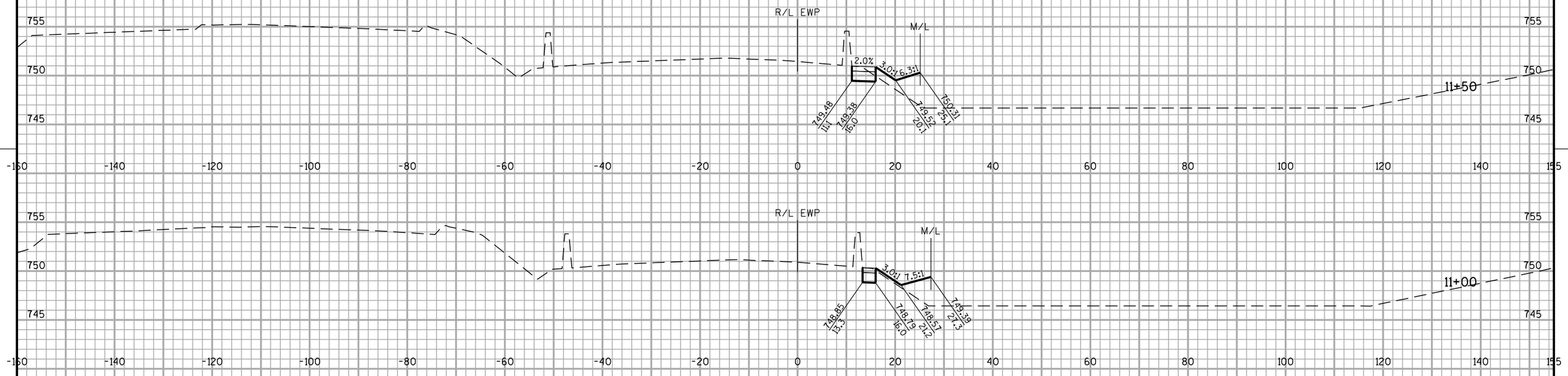
STA 23+50 TO 23+90

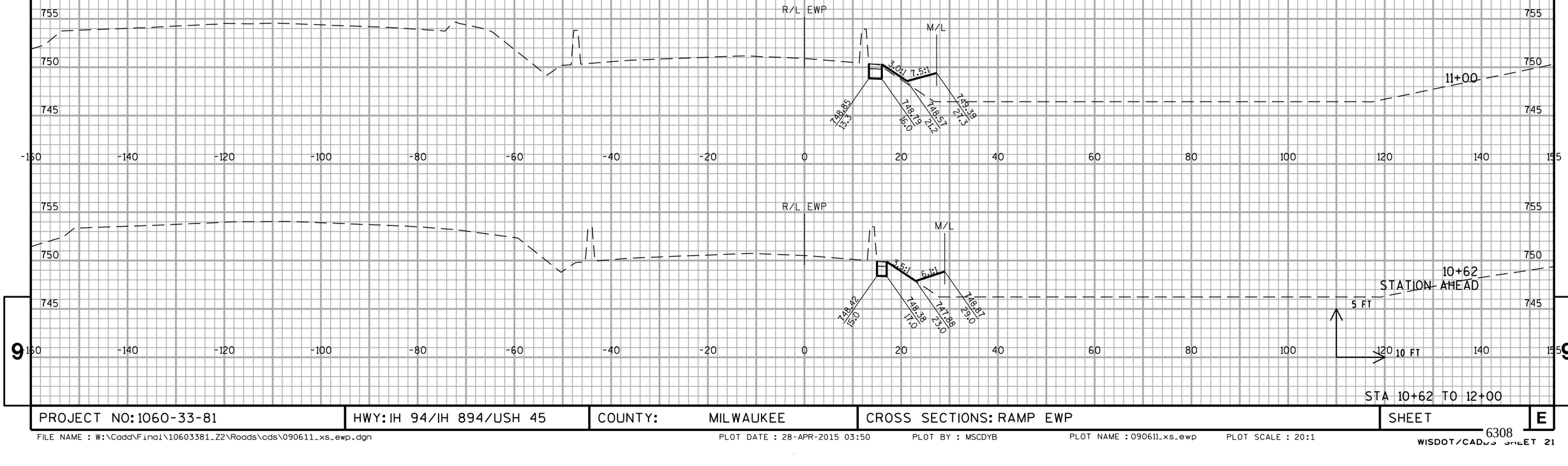
PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWG	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090610_xs_ewg.dgn PLOT DATE : 28-APR-2015 03:49 PLOT BY : MSCDYB PLOT NAME : 090610_xs_ewg11 PLOT SCALE : 20:1

ALL WORK STAGE 3





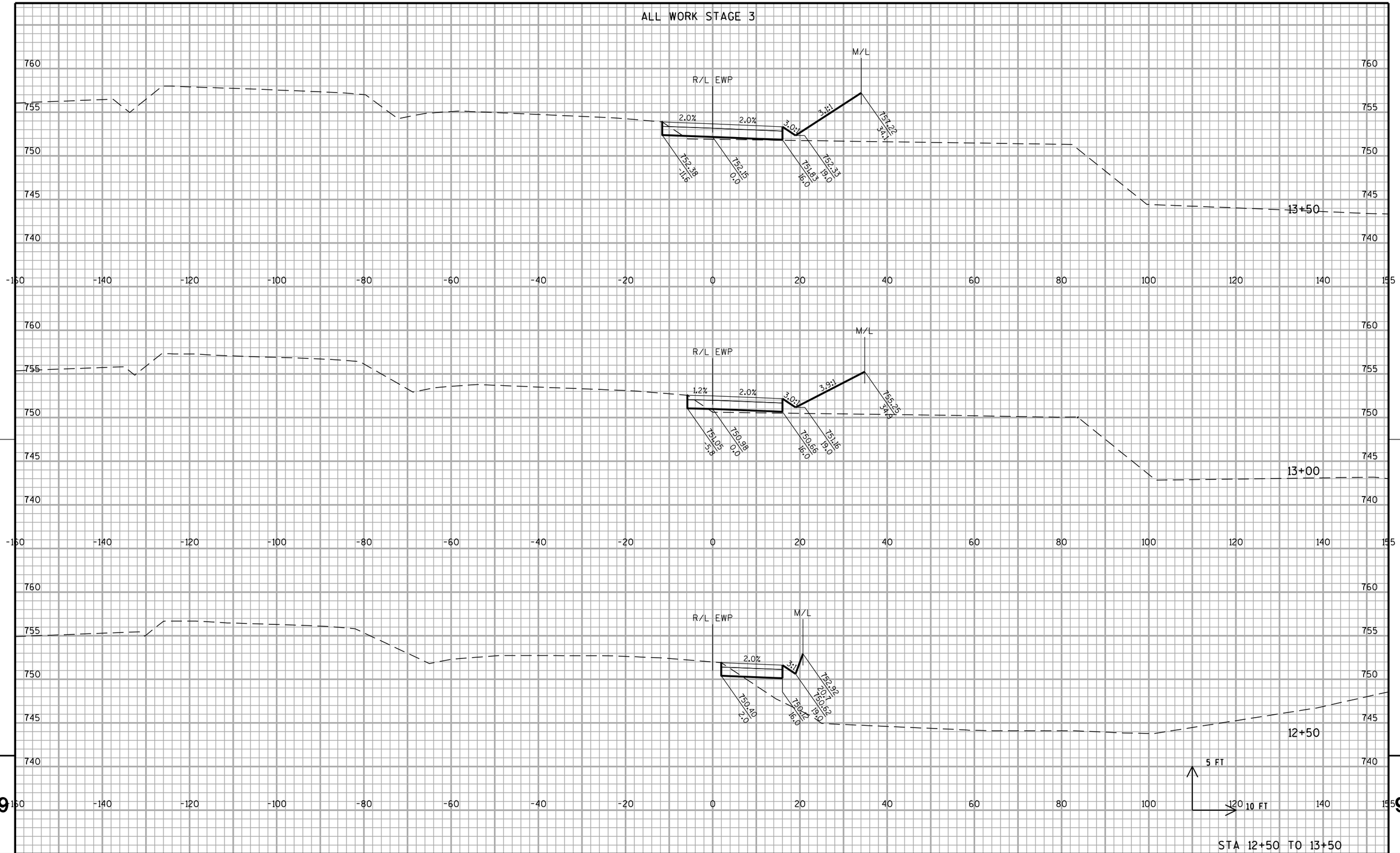


STA 10+62 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp PLOT SCALE : 20:1

ALL WORK STAGE 3

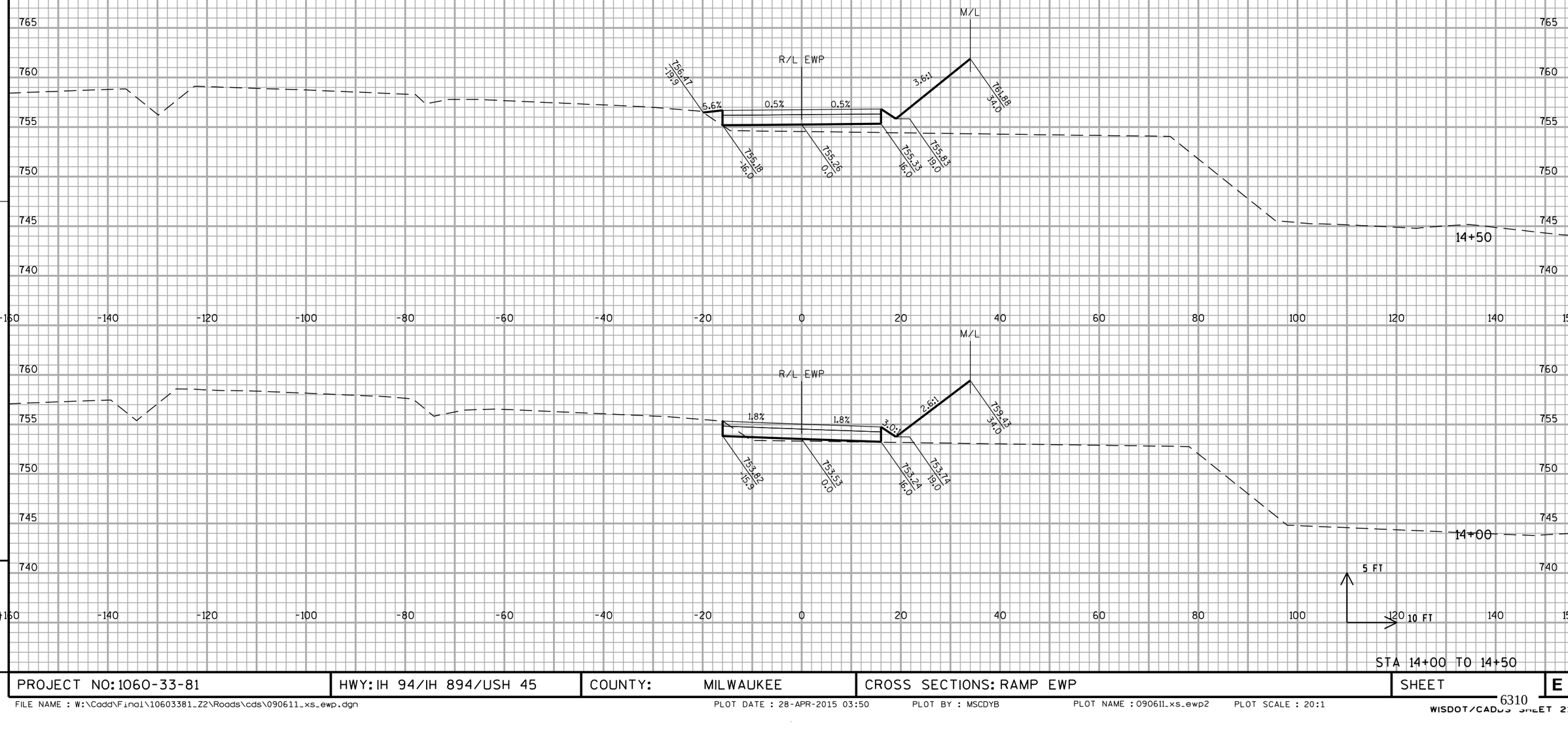


STA 12+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp1 PLOT SCALE : 20:1

ALL WORK STAGE 3

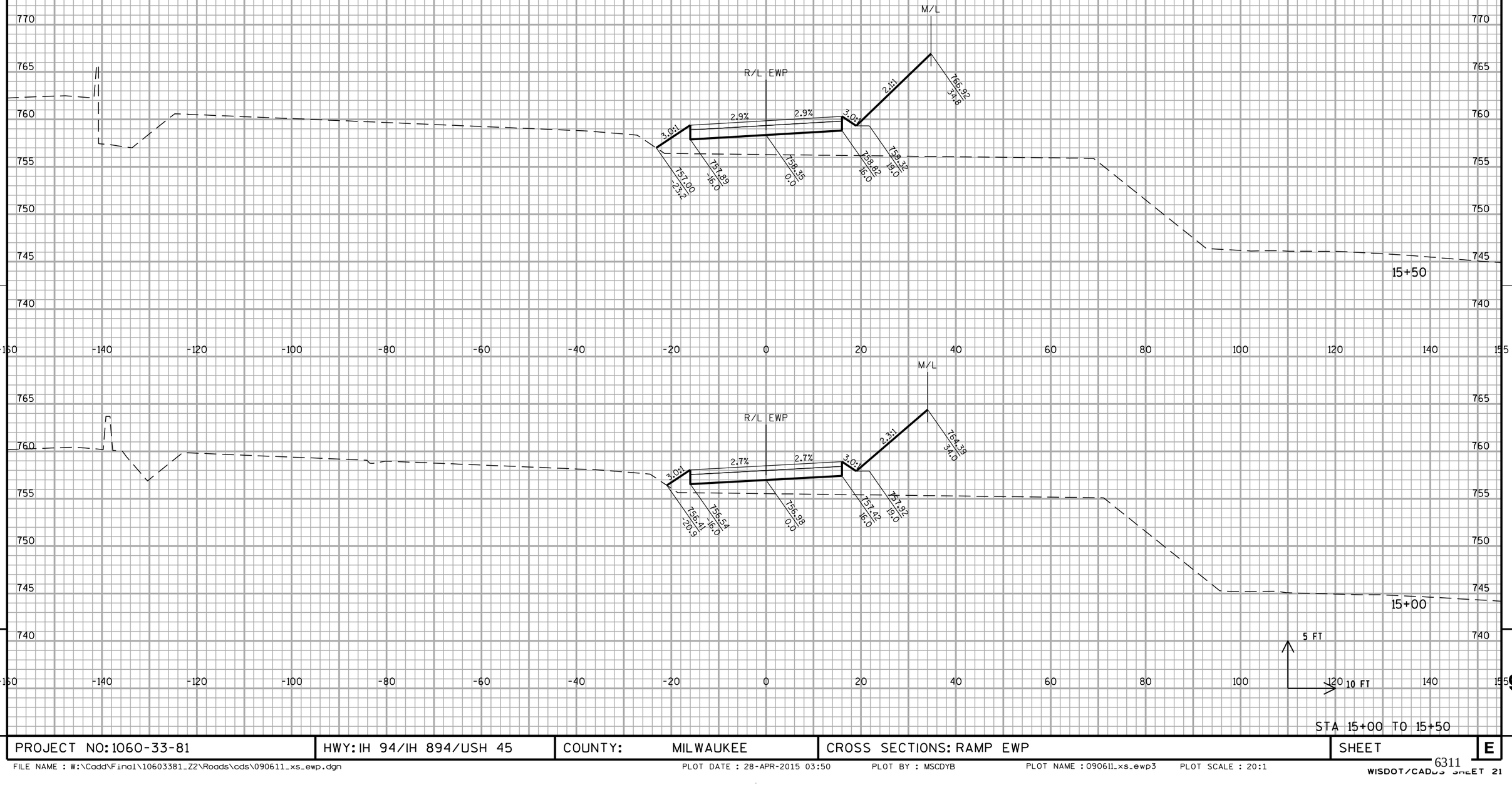


STA 14+00 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp2 PLOT SCALE : 20:1

ALL WORK STAGE 3

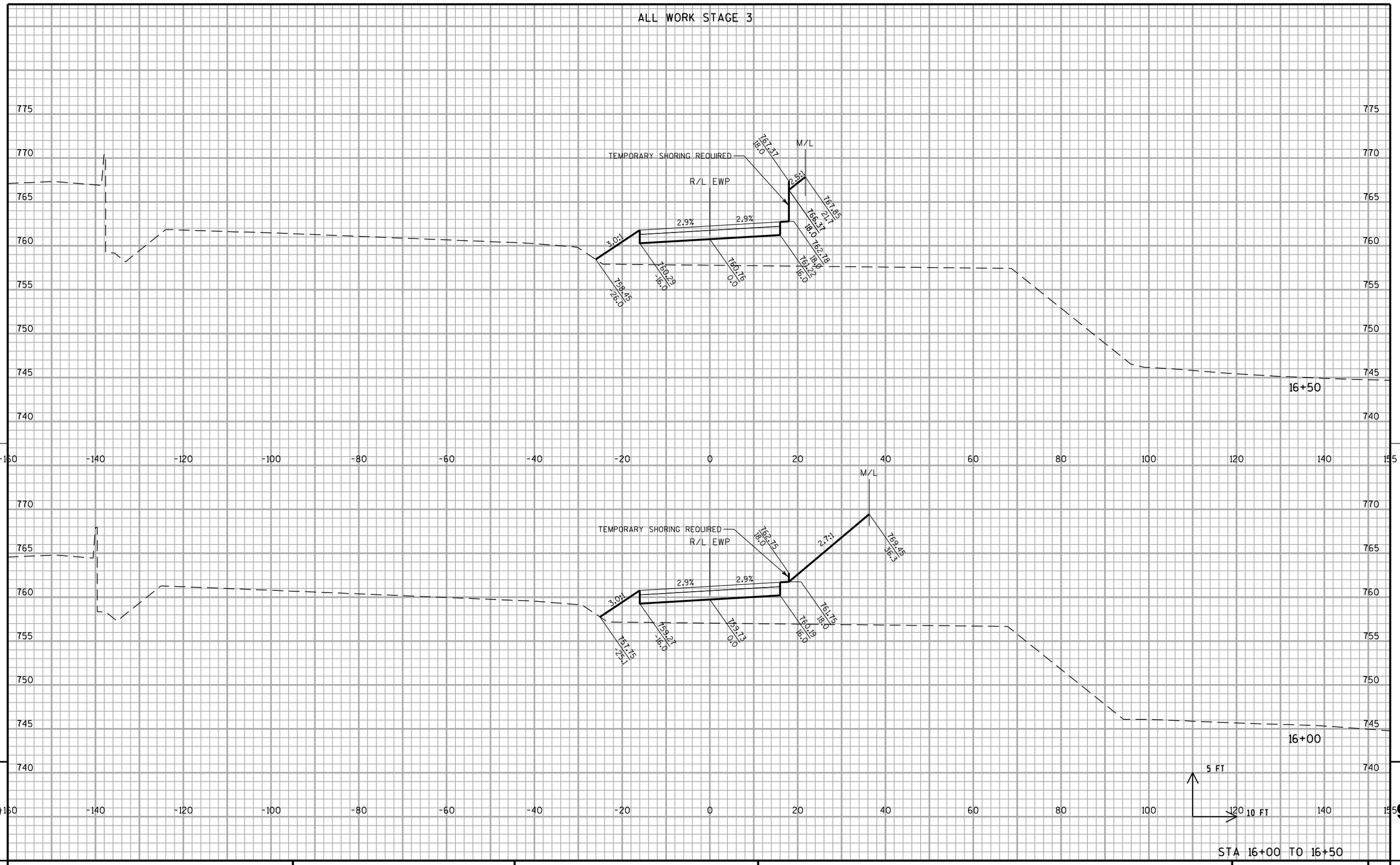


STA 15+00 TO 15+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp3 PLOT SCALE : 20:1

ALL WORK STAGE 3



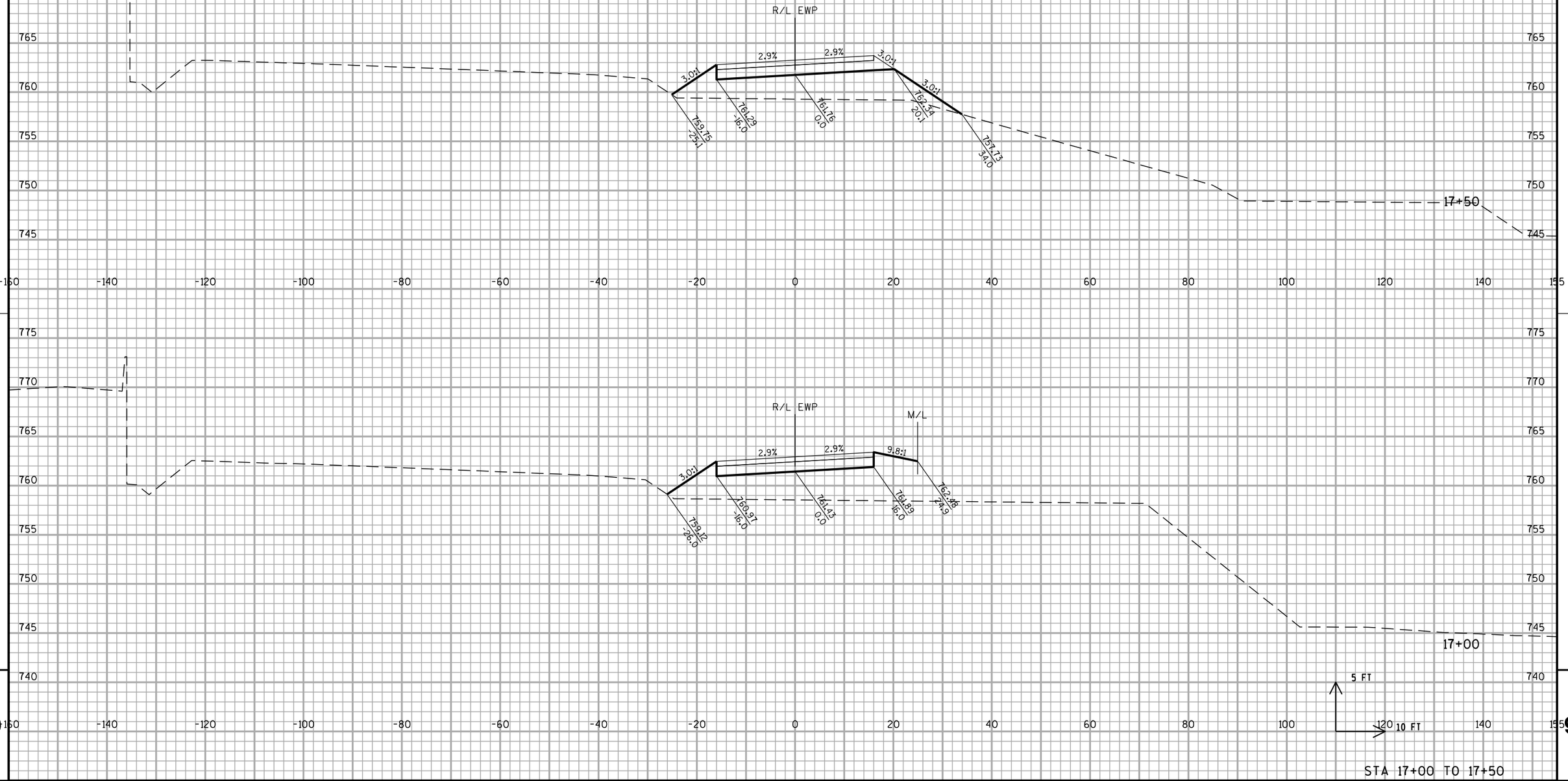
STA 16+00 TO 16+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

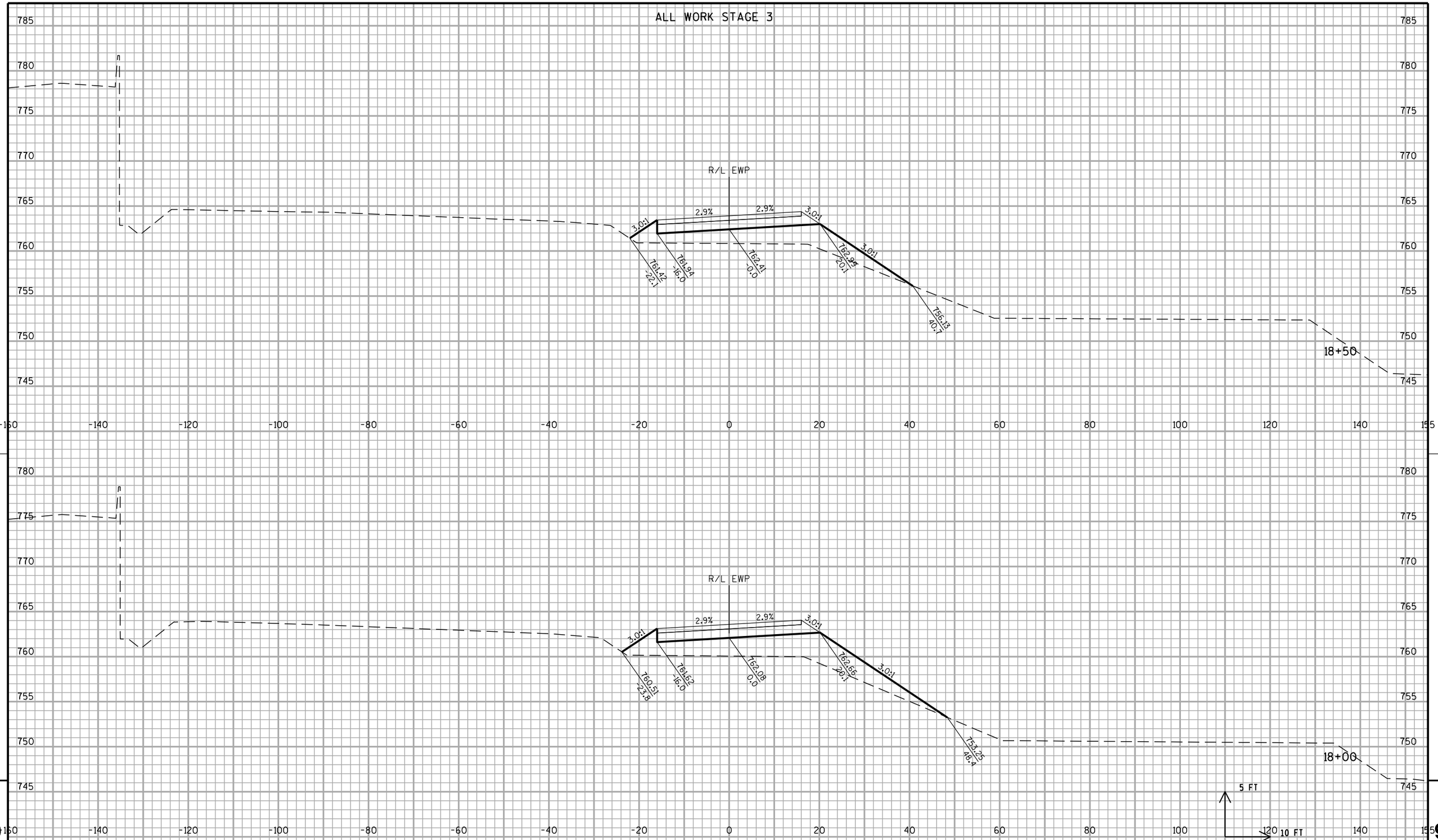


STA 17+00 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp5 PLOT SCALE : 20:1

ALL WORK STAGE 3

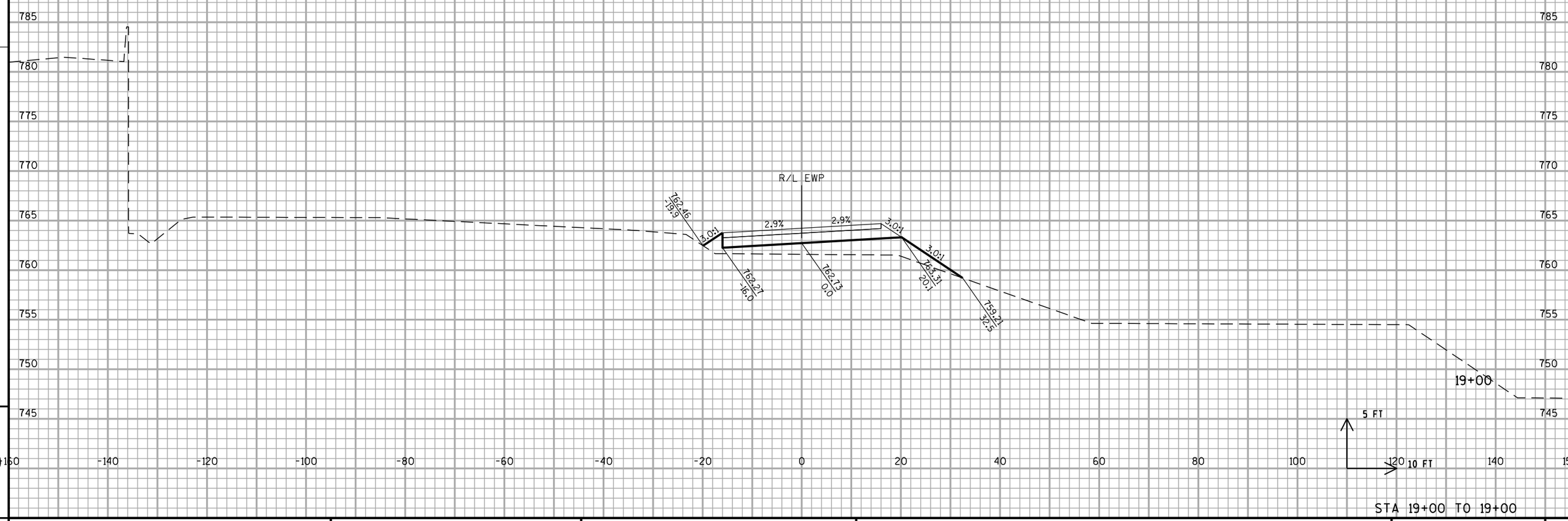


STA 18+00 TO 18+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp6 PLOT SCALE : 20:1

ALL WORK STAGE 3

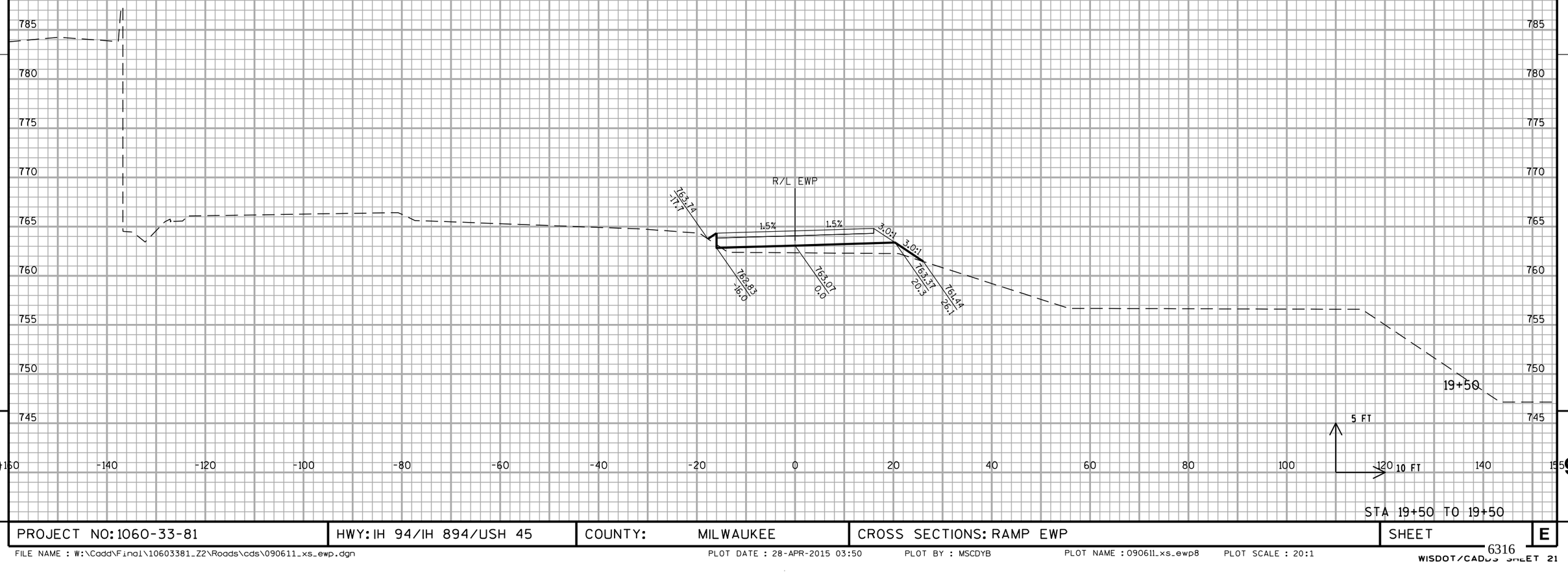


STA 19+00 TO 19+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp7 PLOT SCALE : 20:1

ALL WORK STAGE 3



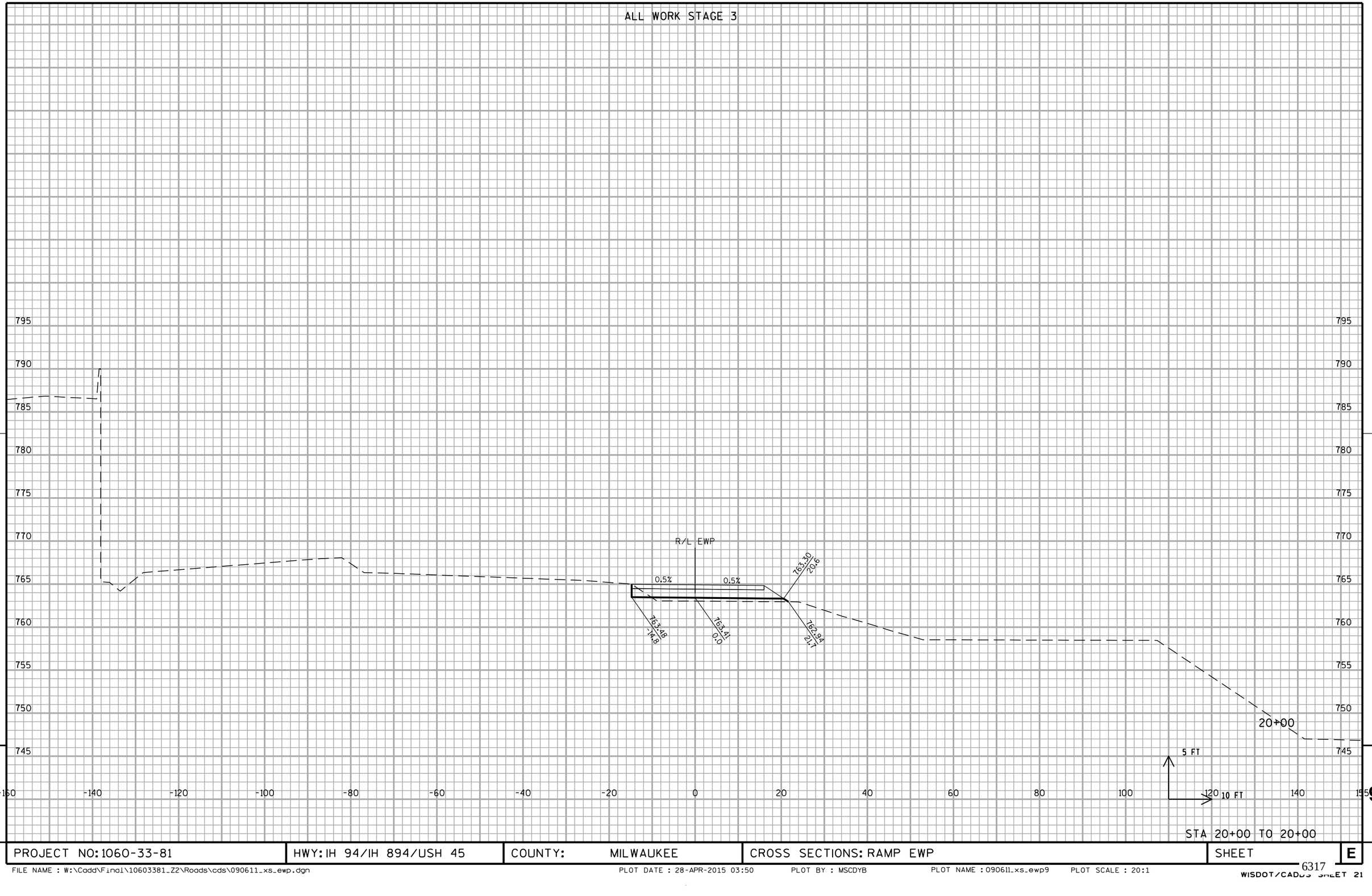
STA 19+50 TO 19+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



STA 20+00 TO 20+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

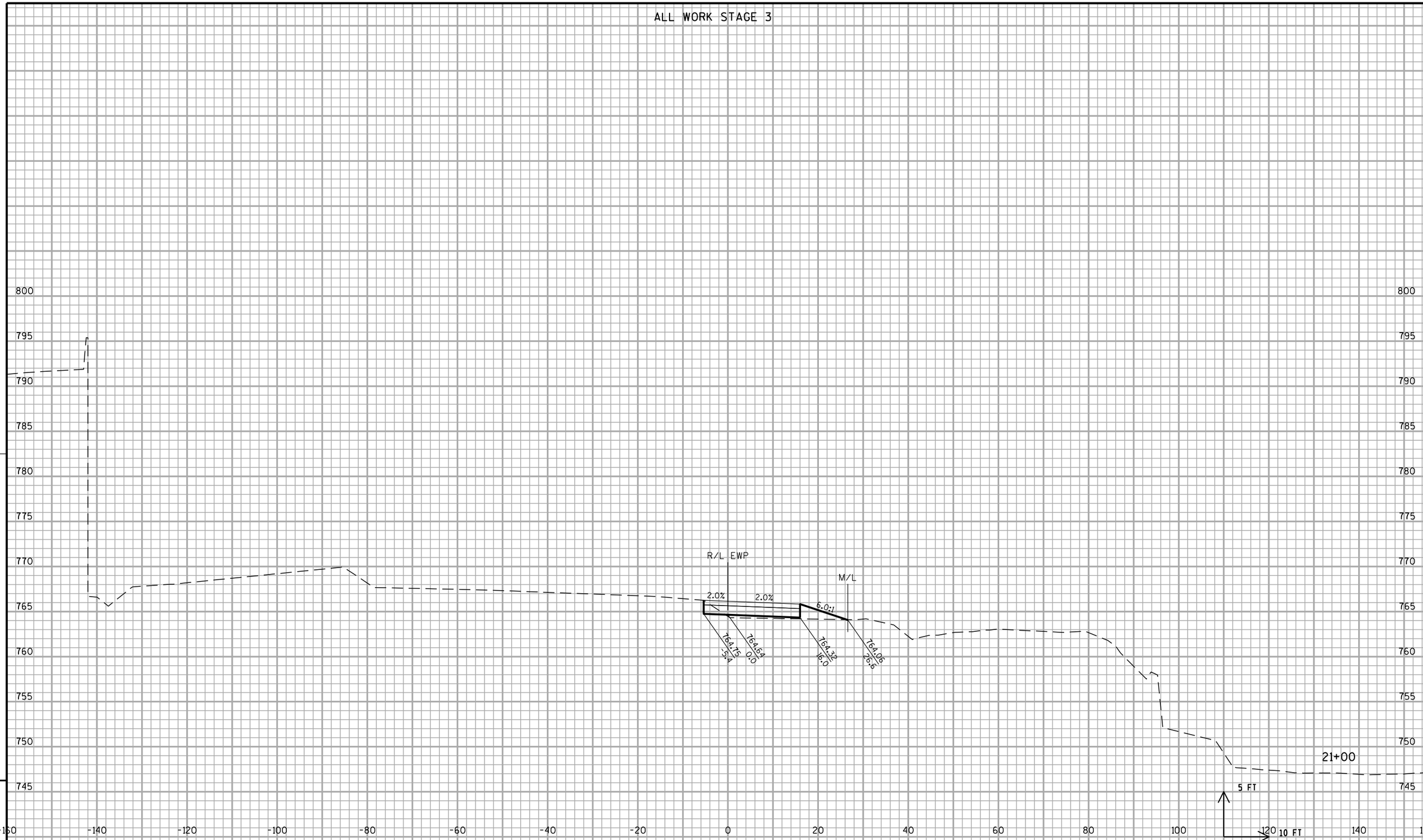


STA 20+50 TO 20+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp10 PLOT SCALE : 20:1

ALL WORK STAGE 3



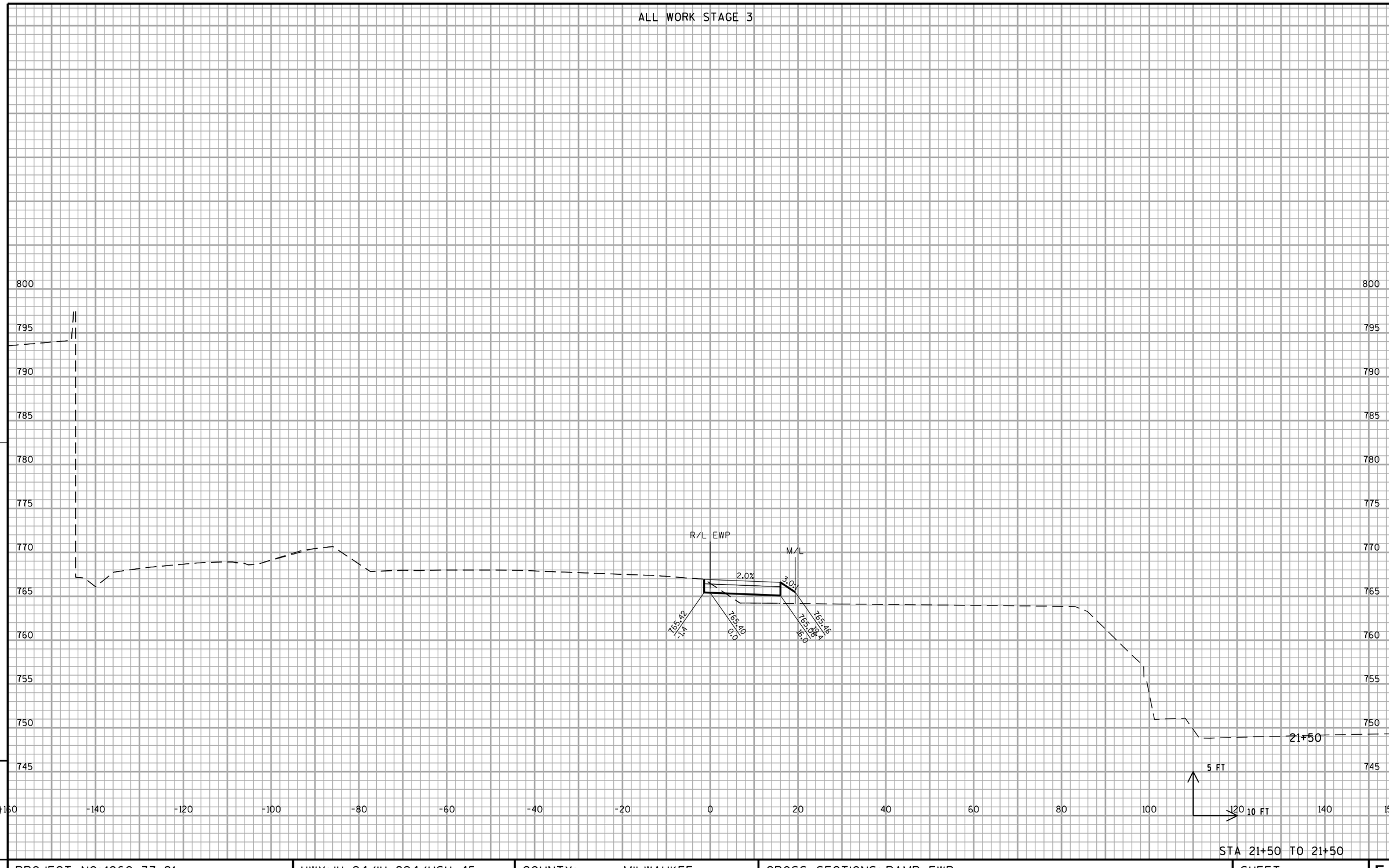
STA 21+00 TO 21+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

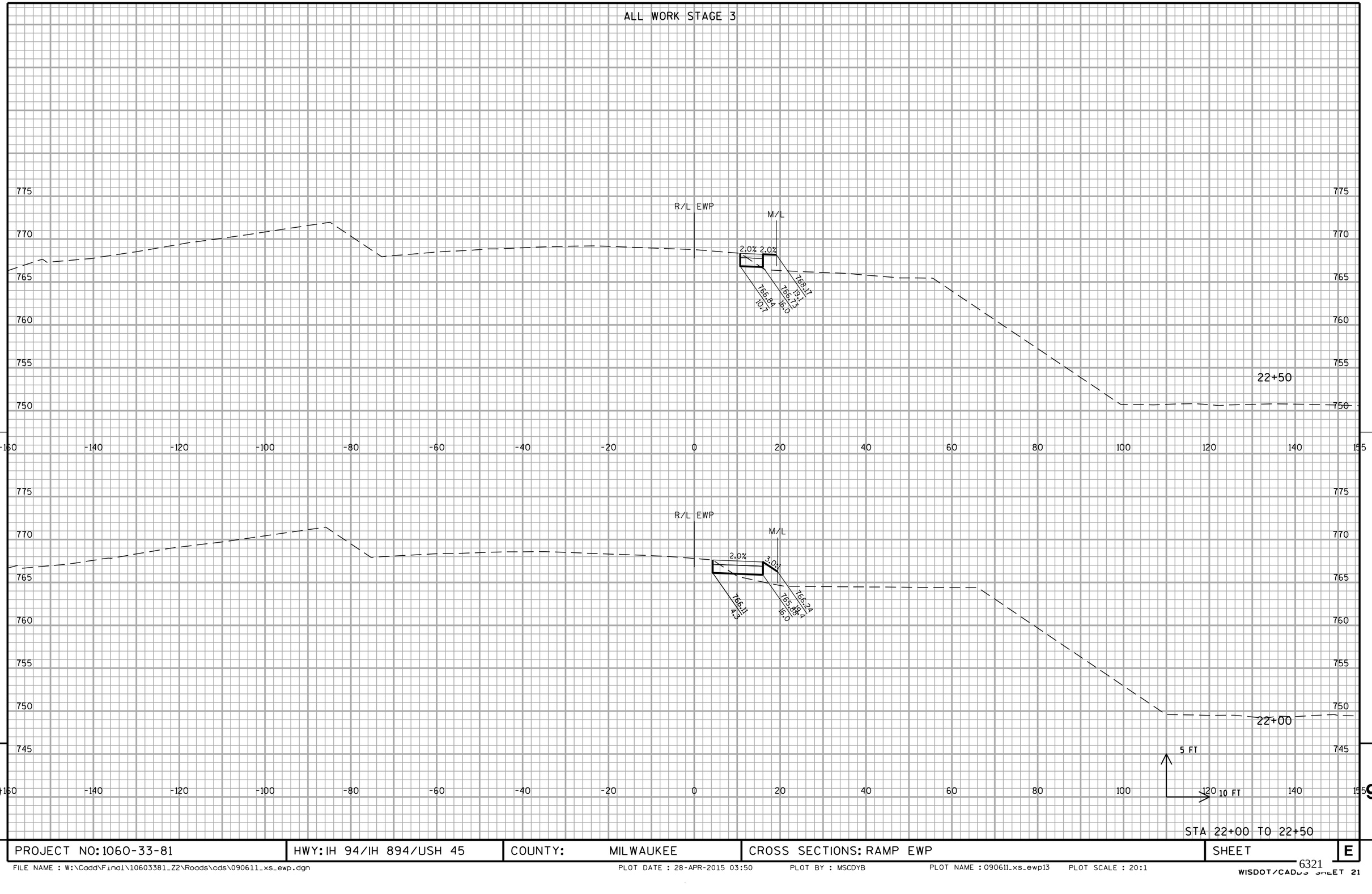


STA 21+50 TO 21+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp12 PLOT SCALE : 20:1

ALL WORK STAGE 3

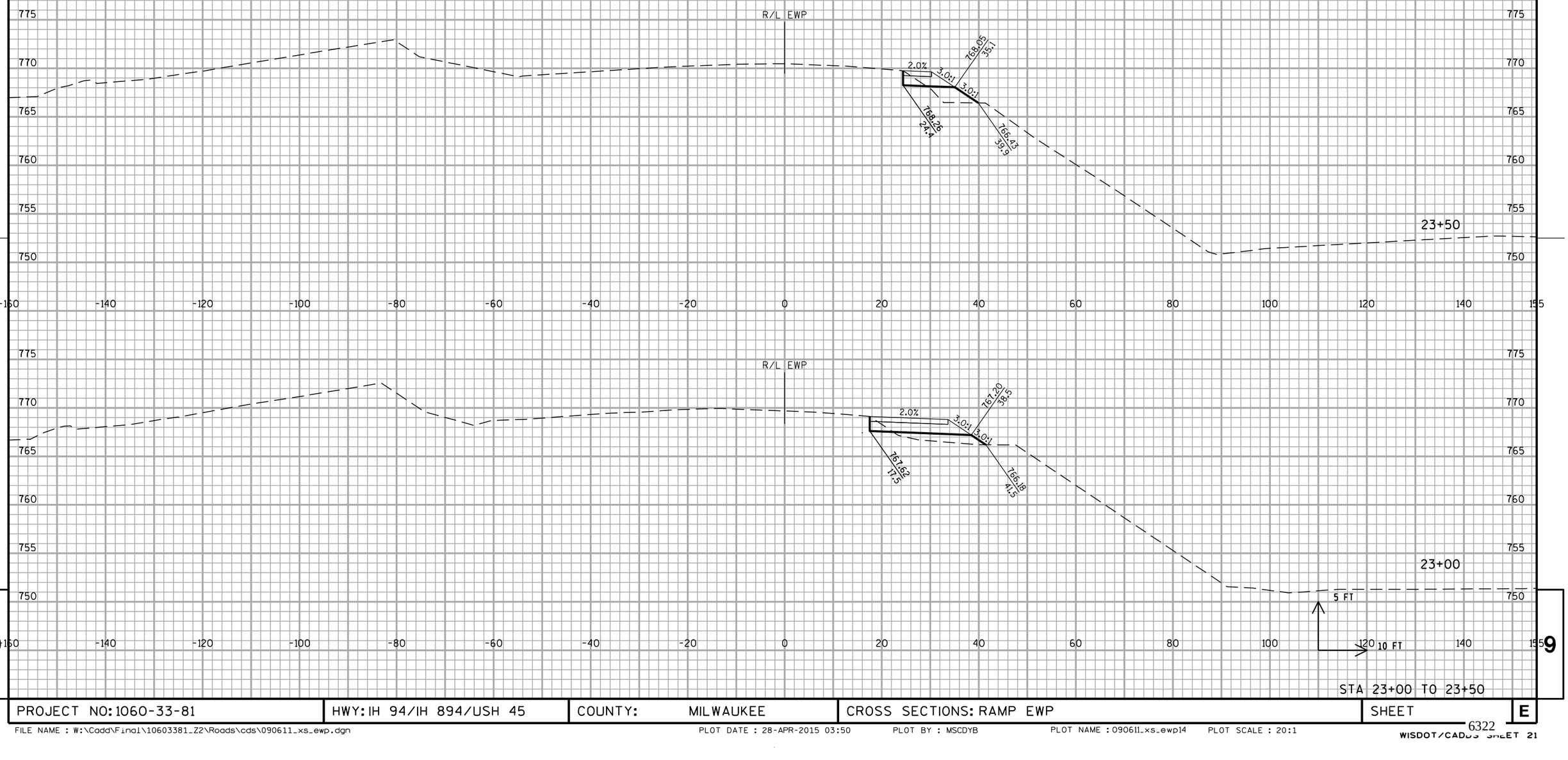


STA 22+00 TO 22+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp13 PLOT SCALE : 20:1

ALL WORK STAGE 3

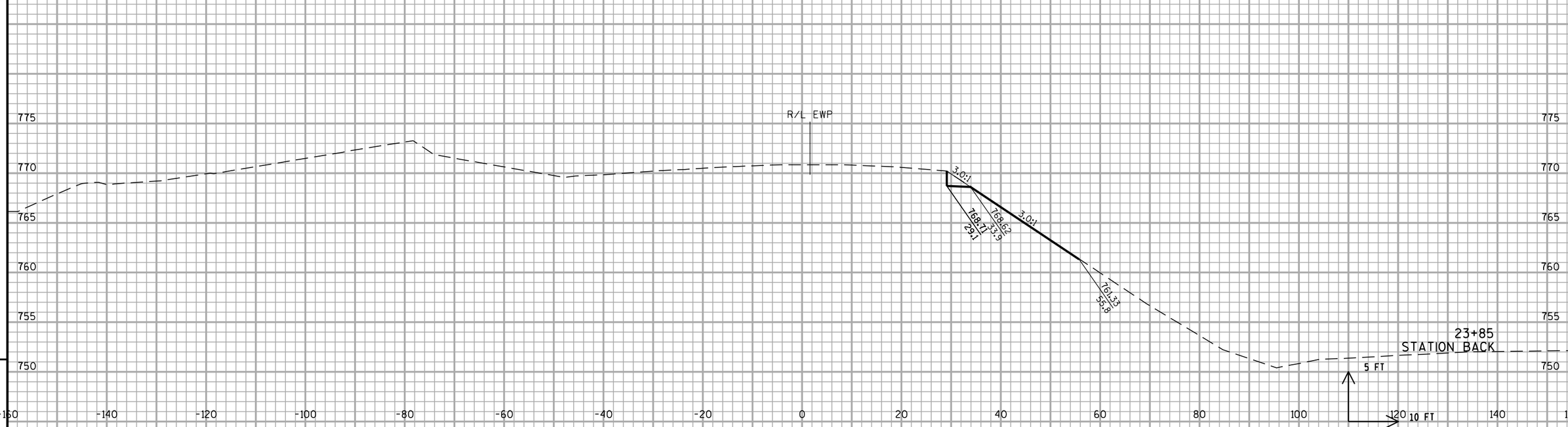


STA 23+00 TO 23+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090611_xs_ewp.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090611_xs_ewp14 PLOT SCALE : 20:1

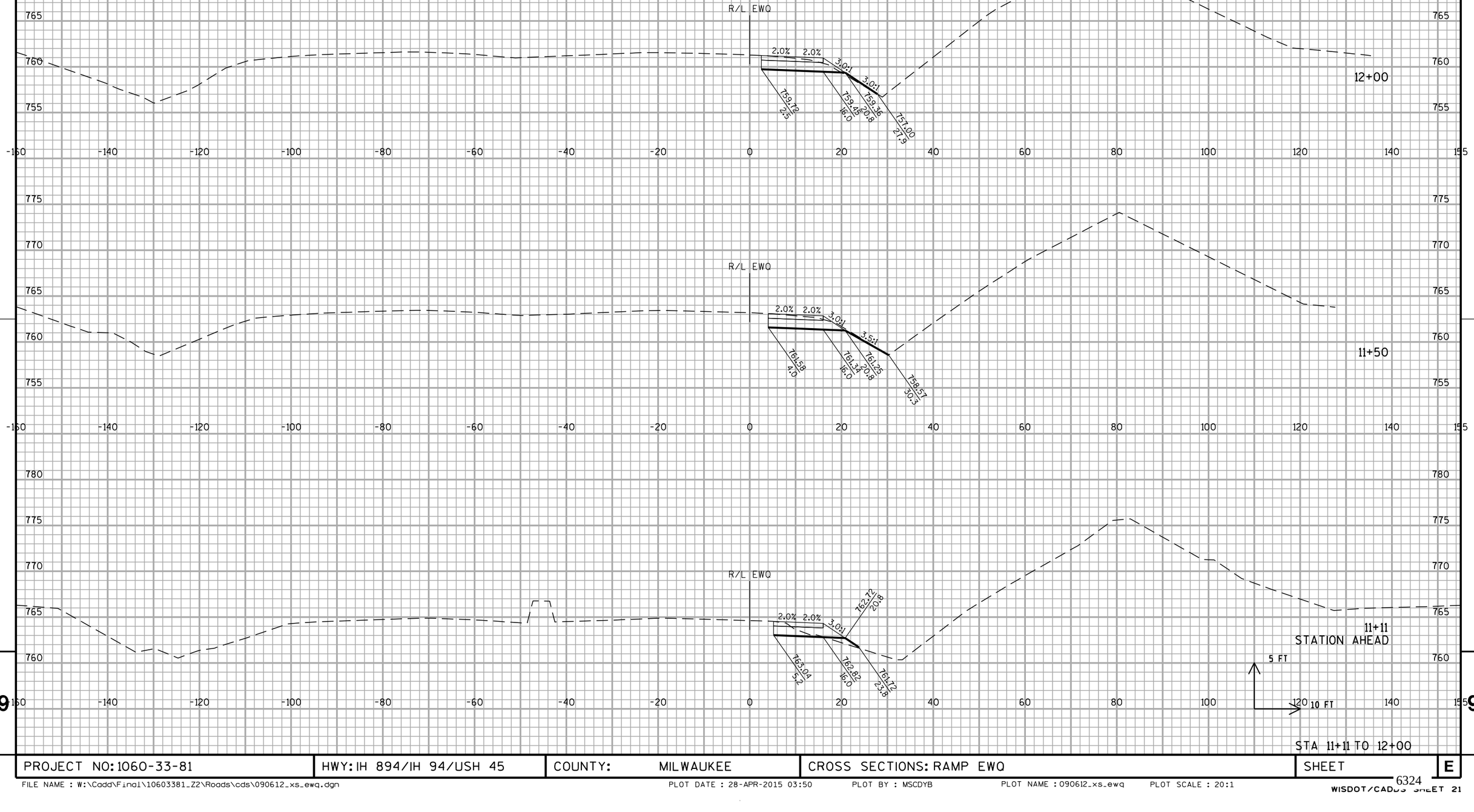
ALL WORK STAGE 3



STA 23+85 TO 23+85

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWP	SHEET	E

ALL WORK STAGE 2



STA 11+11 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090612_xs_ewq.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090612_xs_ewq PLOT SCALE : 20:1

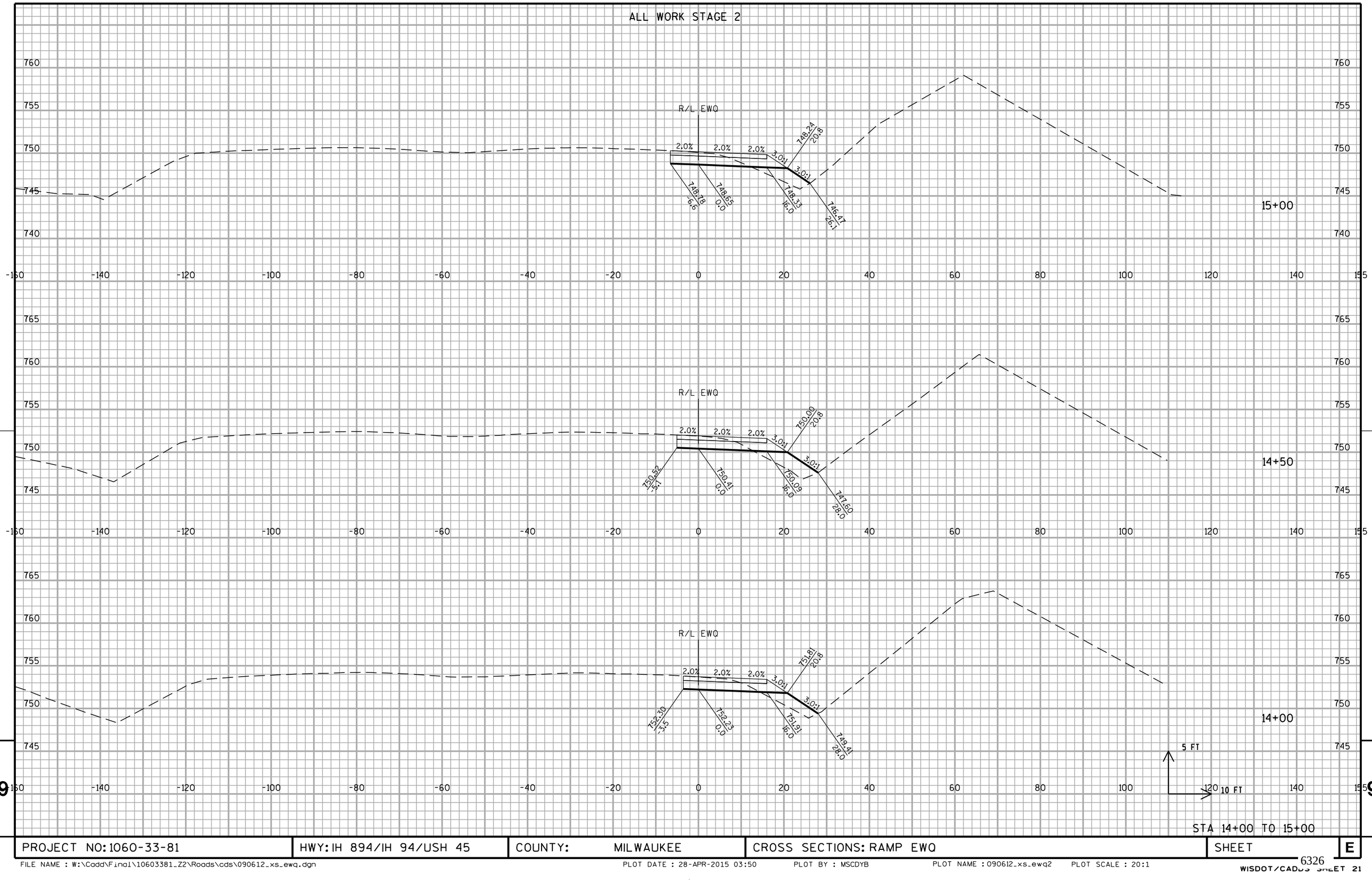
ALL WORK STAGE 2

STA 12+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090612_xs_ewq.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090612_xs_ewq1 PLOT SCALE : 20:1

ALL WORK STAGE 2

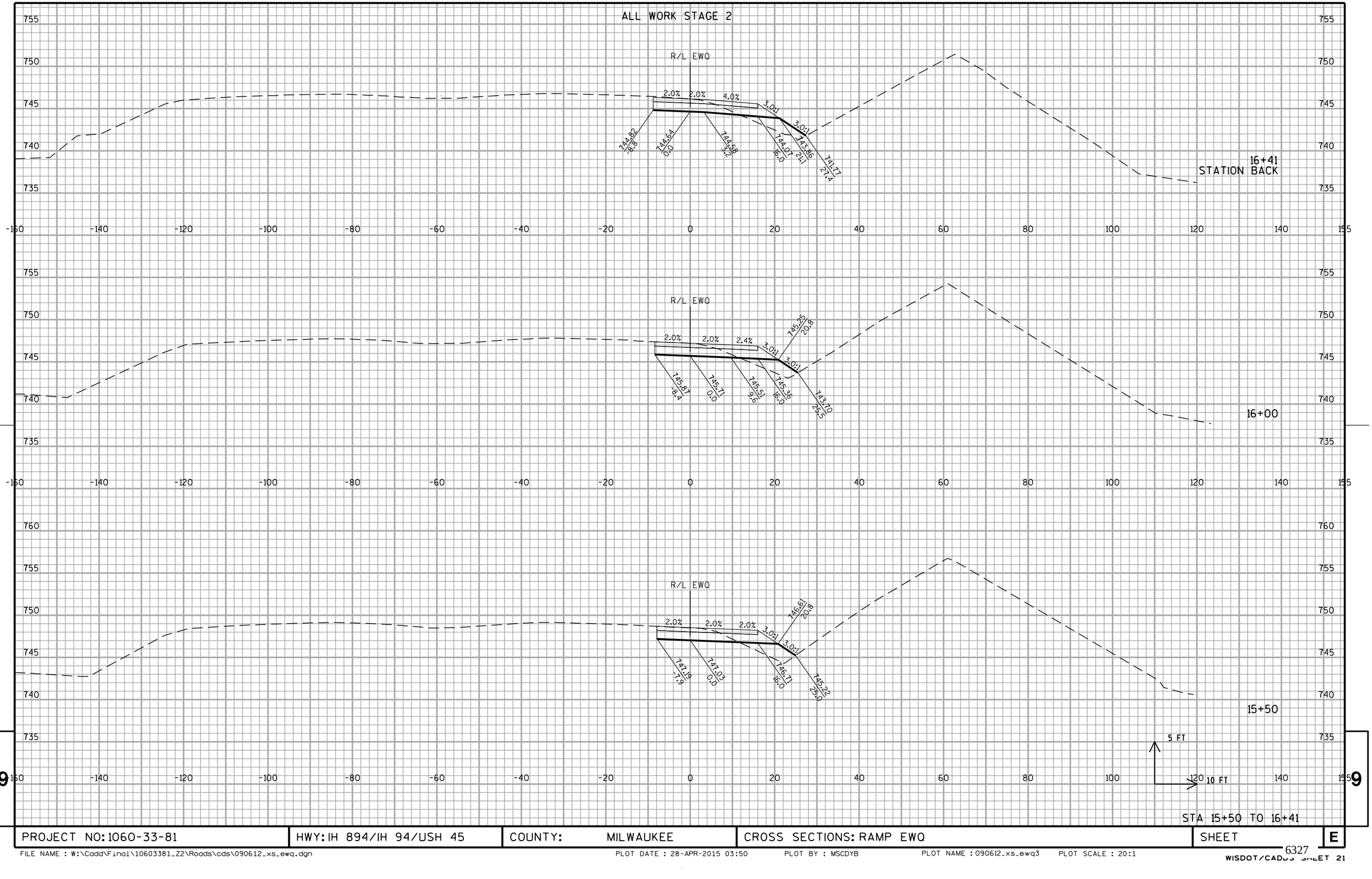


STA 14+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090612_xs_ewq.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090612_xs_ewq2 PLOT SCALE : 20:1

ALL WORK STAGE 2

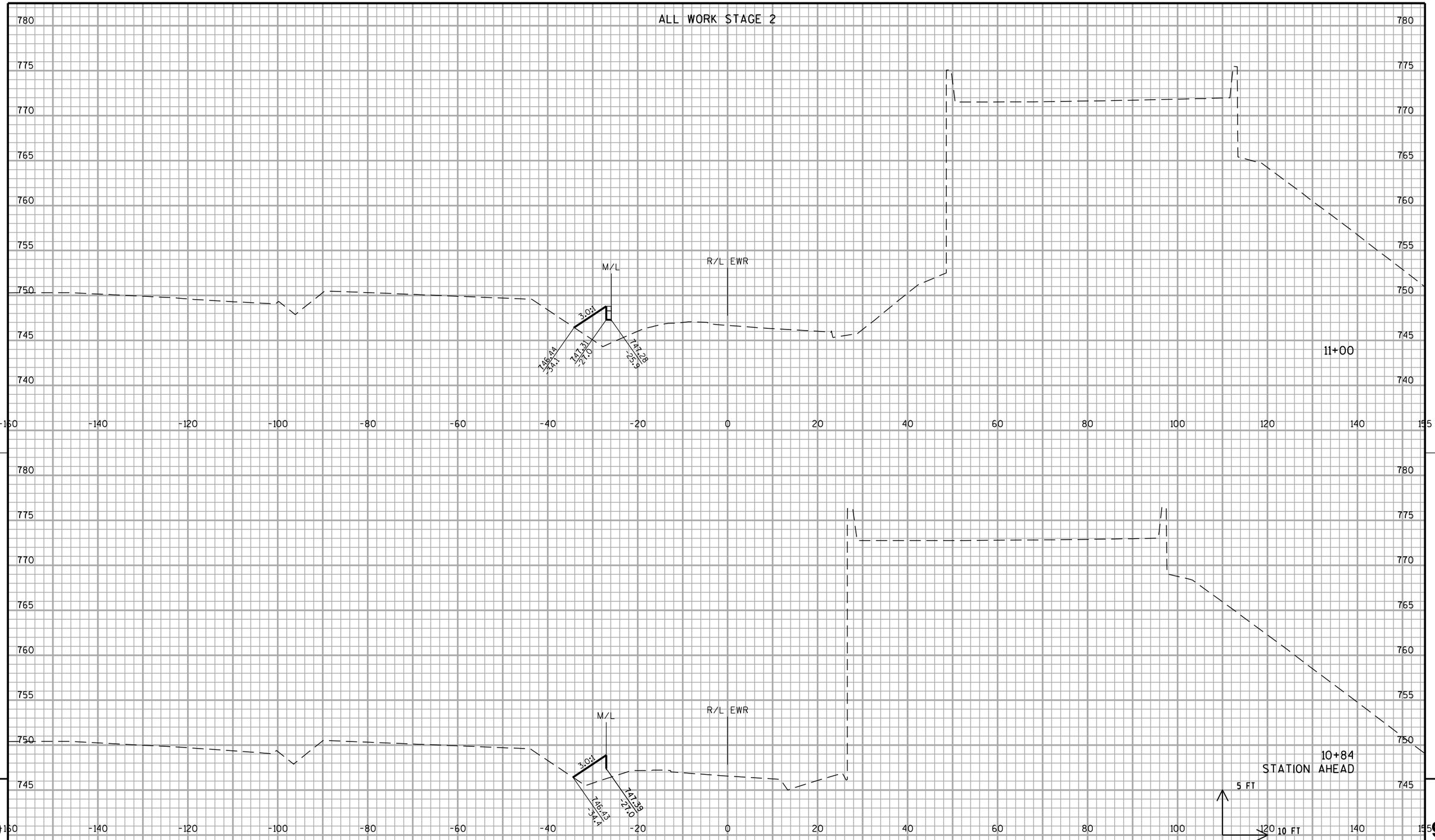


STA 15+50 TO 16+41

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWQ	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090612_xs_ewq.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090612_xs_ewq3 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

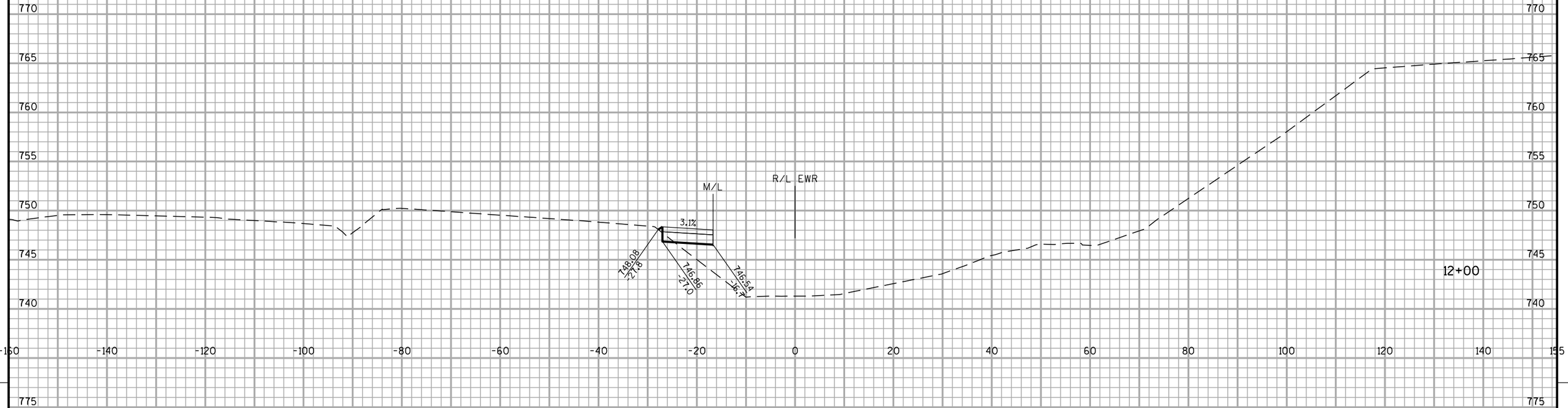
9

STA 10+84 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWR	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090613_xs_ewr.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090613_xs_ewr PLOT SCALE : 20:1

ALL WORK STAGE 2





9

9

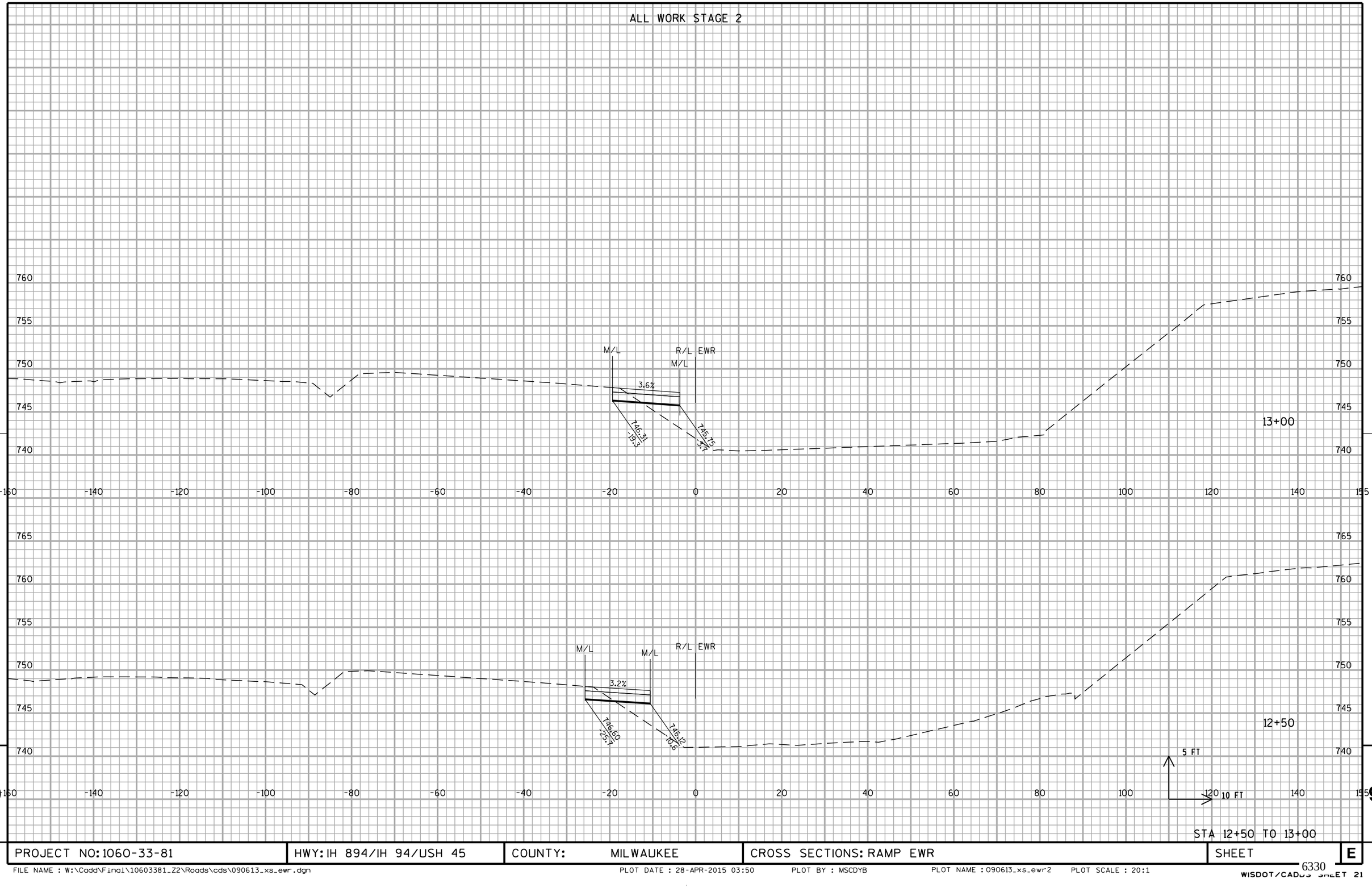
STA 11+50 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWR	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090613_xs_ewr.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090613_xs_ewr1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

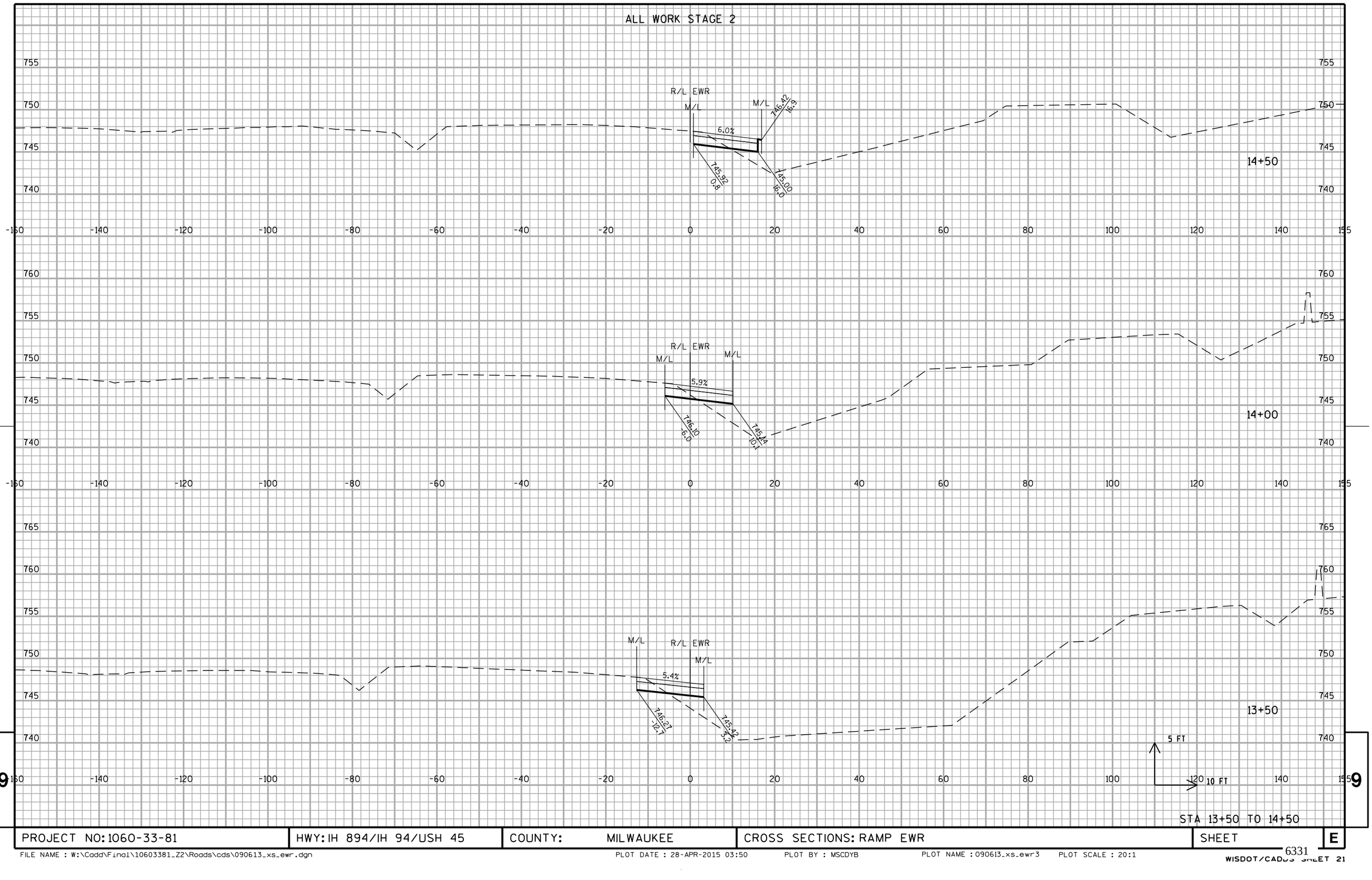


STA 12+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWR	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090613_xs_ewr.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090613_xs_ewr2 PLOT SCALE : 20:1

ALL WORK STAGE 2

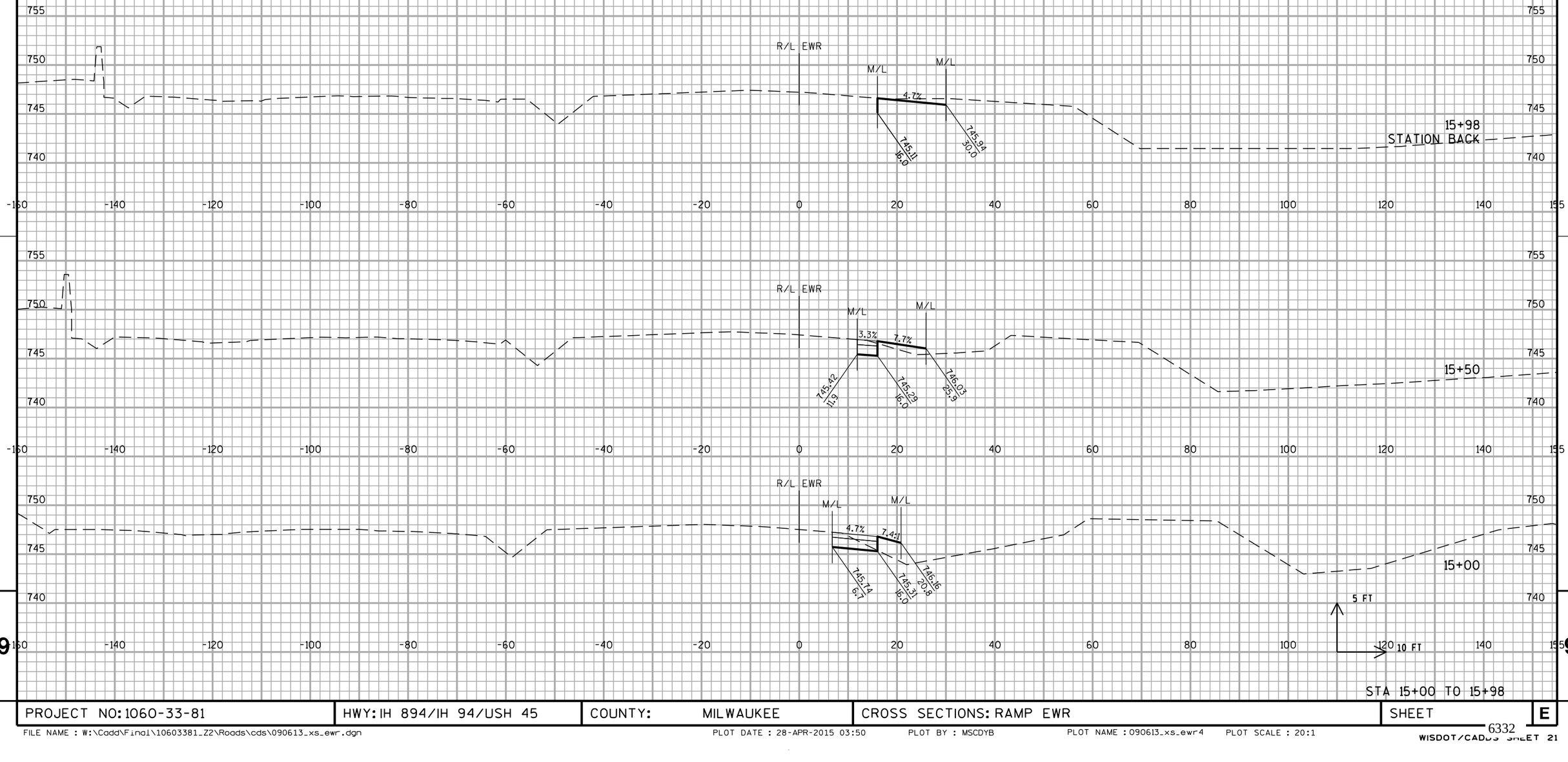


STA 13+50 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWR	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090613_xs_ewr.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090613_xs_ewr3 PLOT SCALE : 20:1

ALL WORK STAGE 2

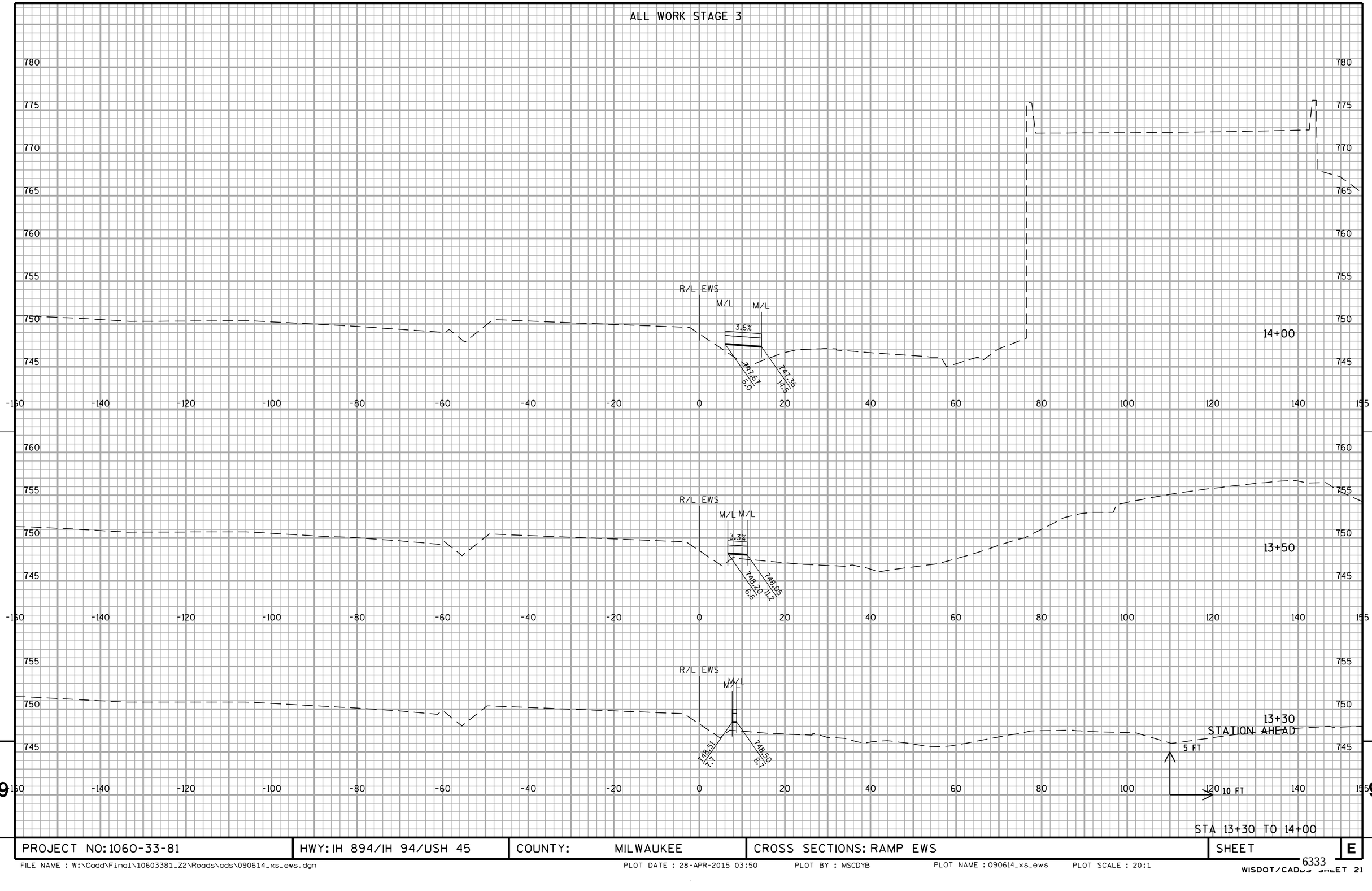


STA 15+00 TO 15+98

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWR	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090613_xs_ewr.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090613_xs_ewr4 PLOT SCALE : 20:1

ALL WORK STAGE 3

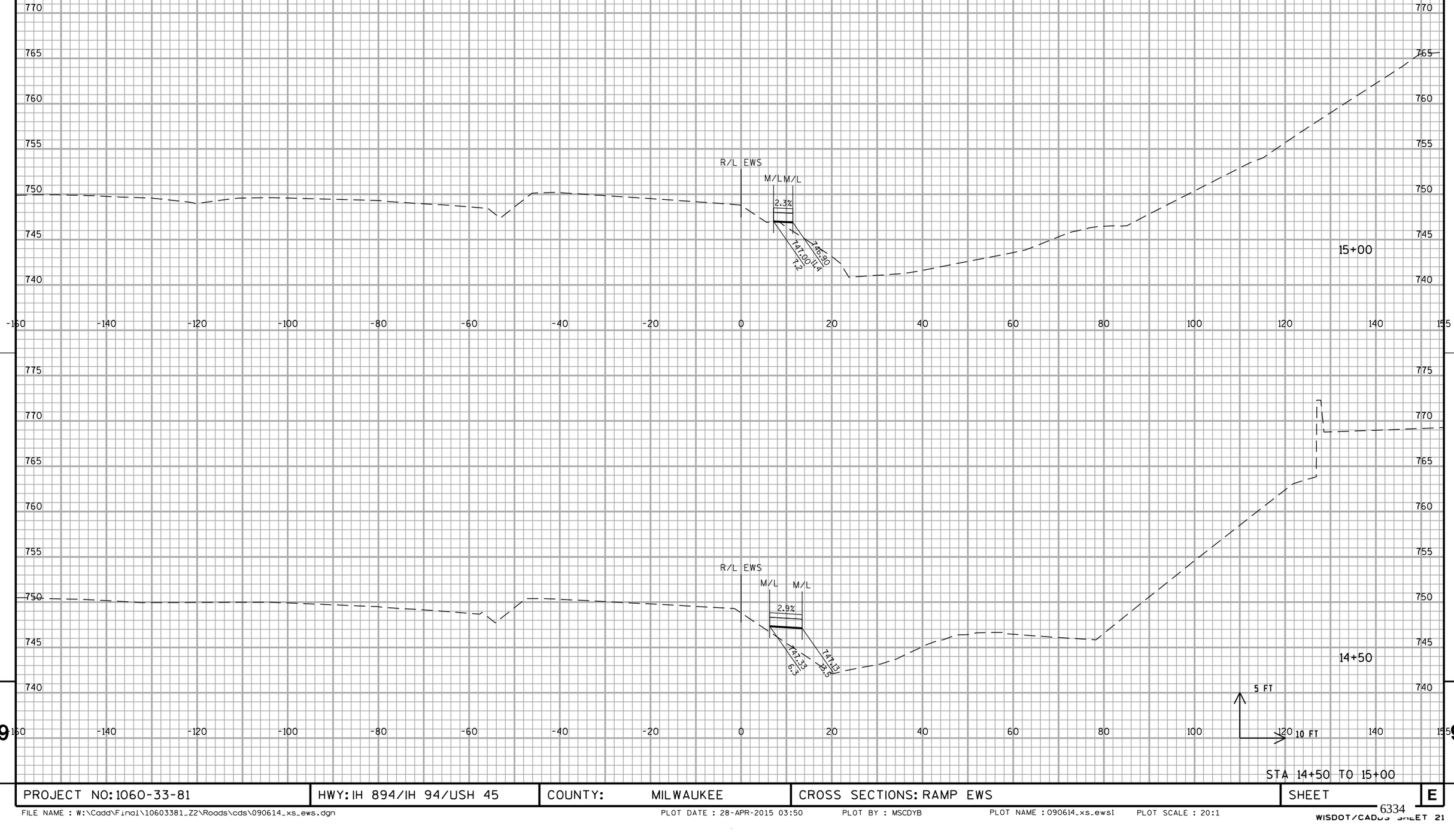


STA 13+30 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090614_xs_ews.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090614_xs_ews PLOT SCALE : 20:1

ALL WORK STAGE 3

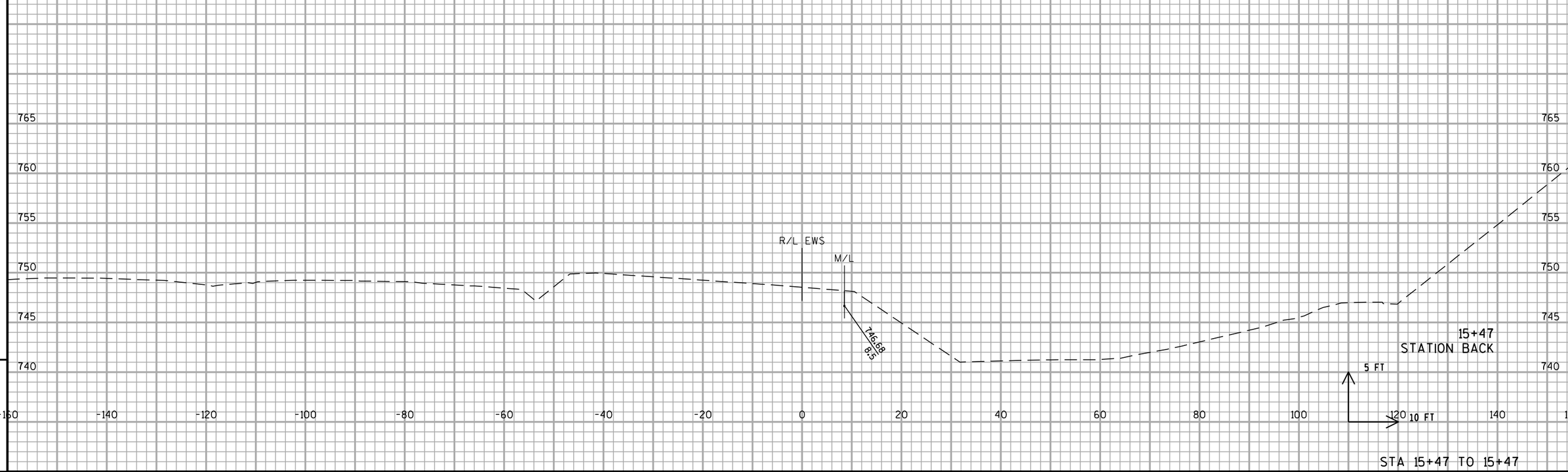


STA 14+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090614_xs_ews.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090614_xs_ews1 PLOT SCALE : 20:1

ALL WORK STAGE 3

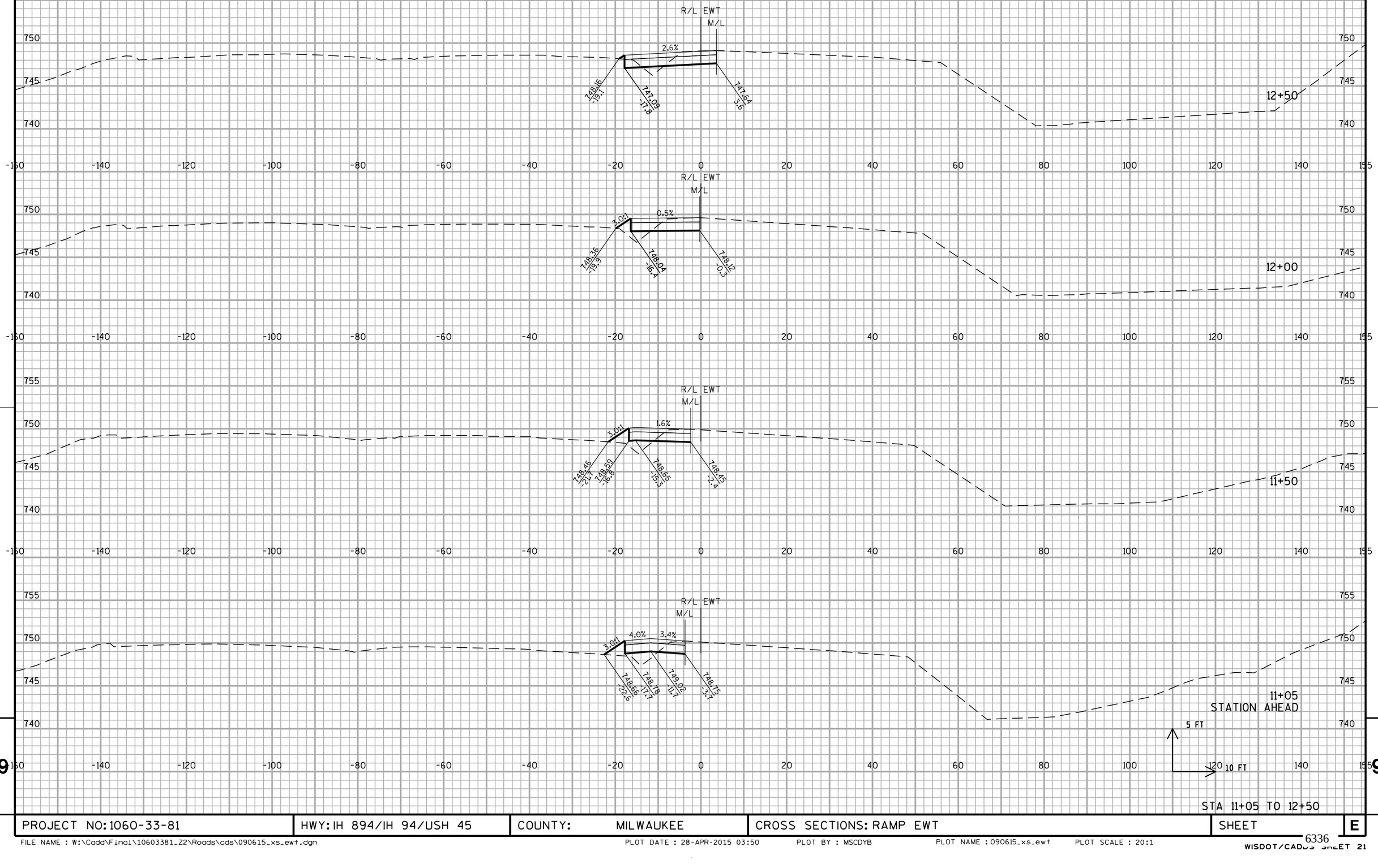


STA 15+47 TO 15+47

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWS	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090614_xs_ews.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090614_xs_ews2 PLOT SCALE : 20:1

ALL WORK STAGE 3



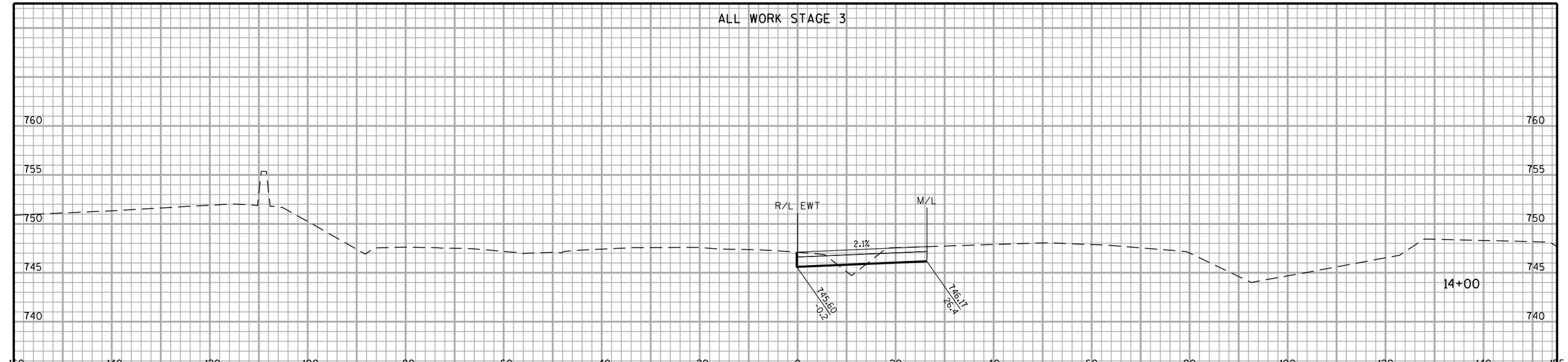
STA 11+05 TO 12+50

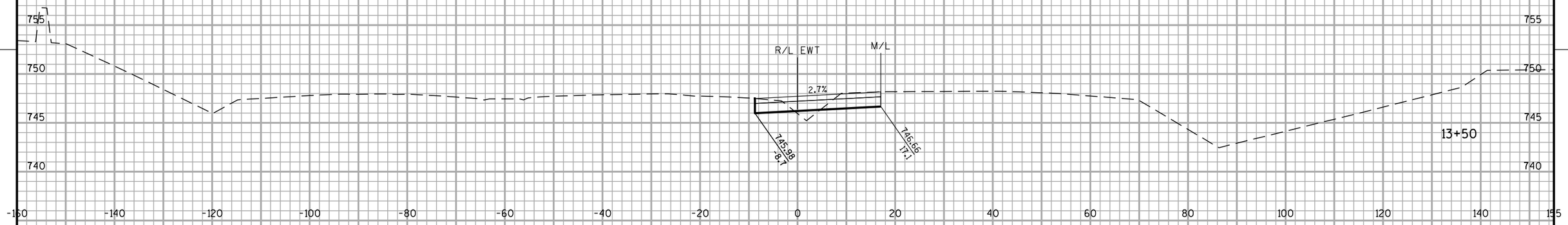
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWT	SHEET	E

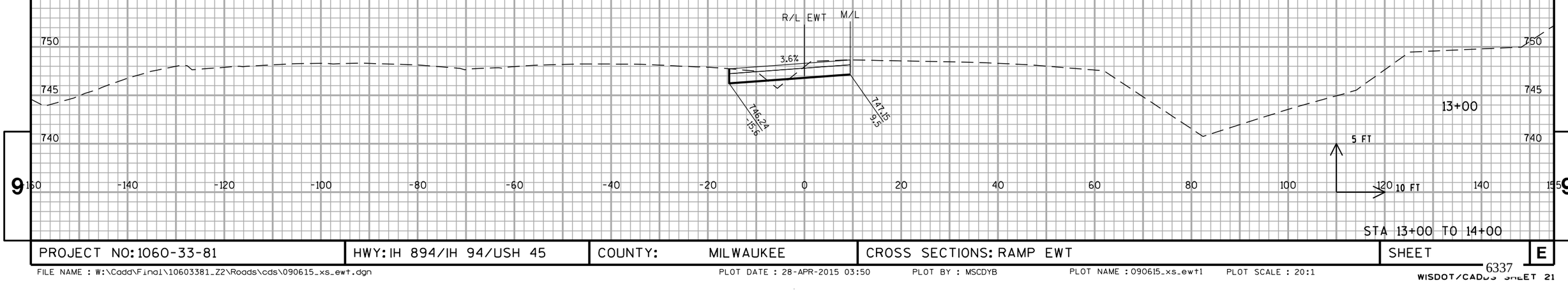
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090615_xs_ewt.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090615_xs_ewt PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3







STA 13+00 TO 14+00

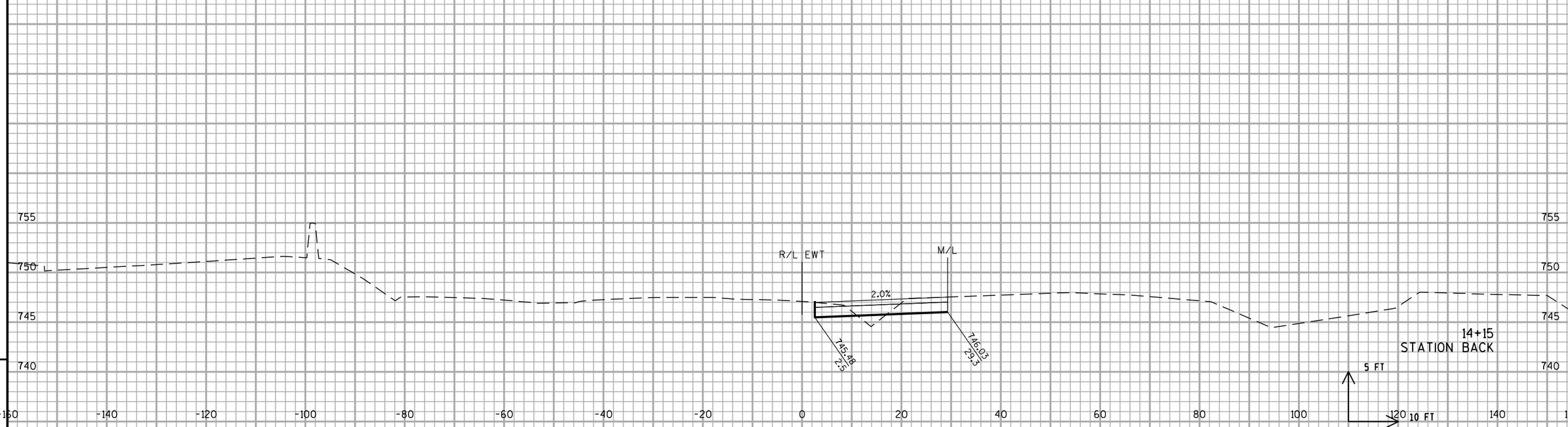
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWT	SHEET E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090615_xs_ewt.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090615_xs_ewt1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

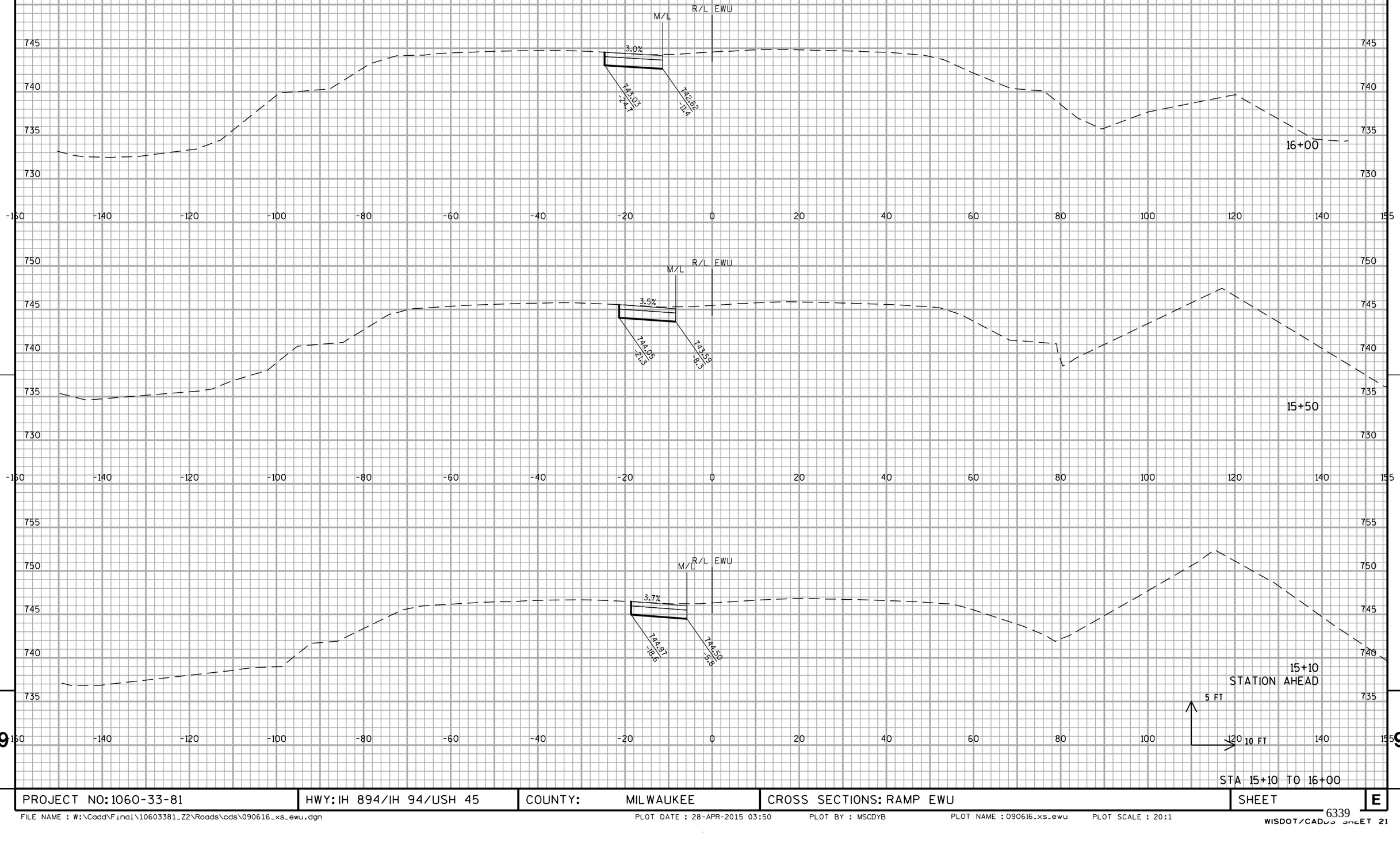


STA 14+15 TO 14+15

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWT	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090615_xs_ewt.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090615_xs_ewt2 PLOT SCALE : 20:1

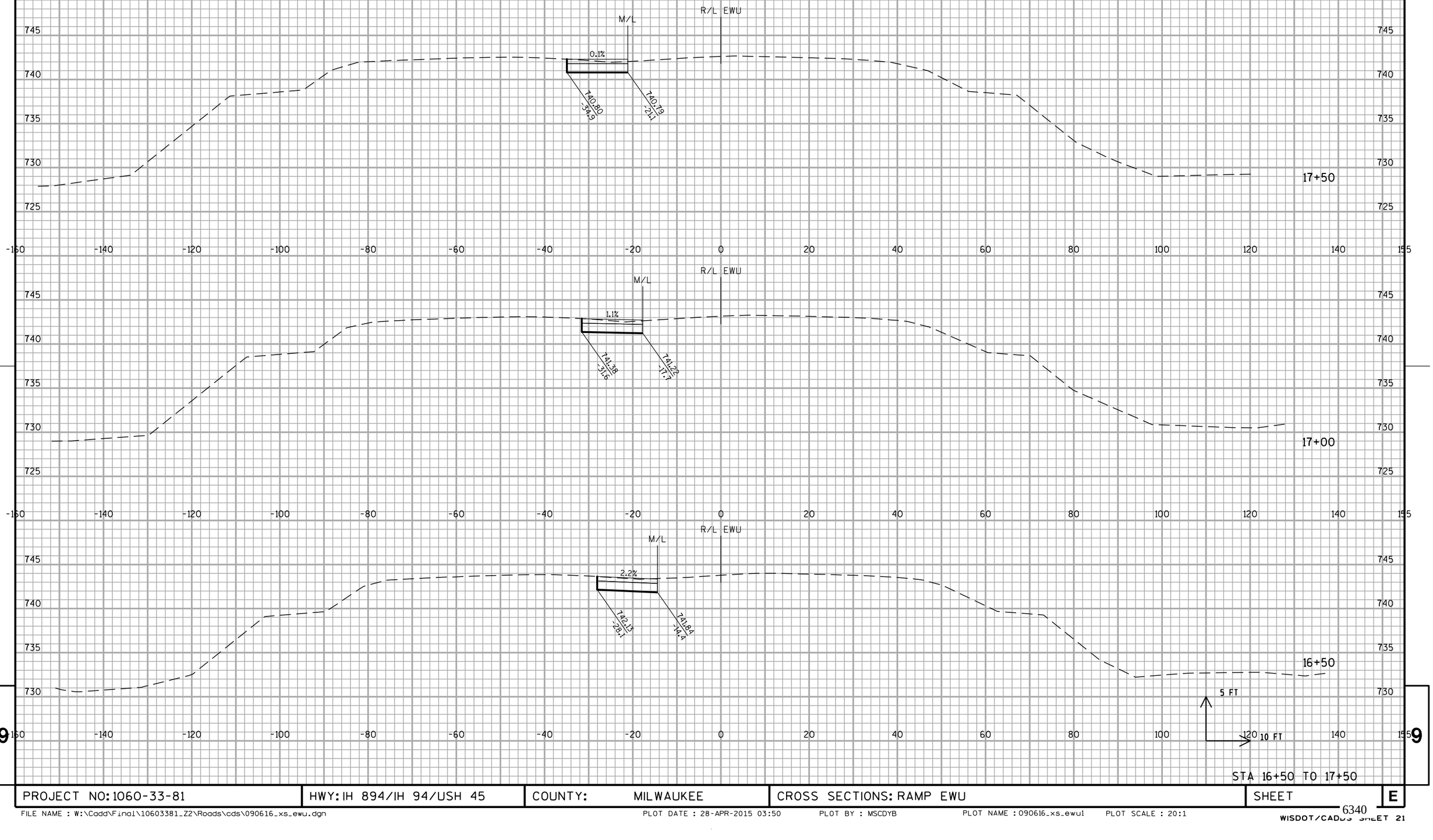
ALL WORK STAGE 5



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu PLOT SCALE : 20:1

ALL WORK STAGE 5

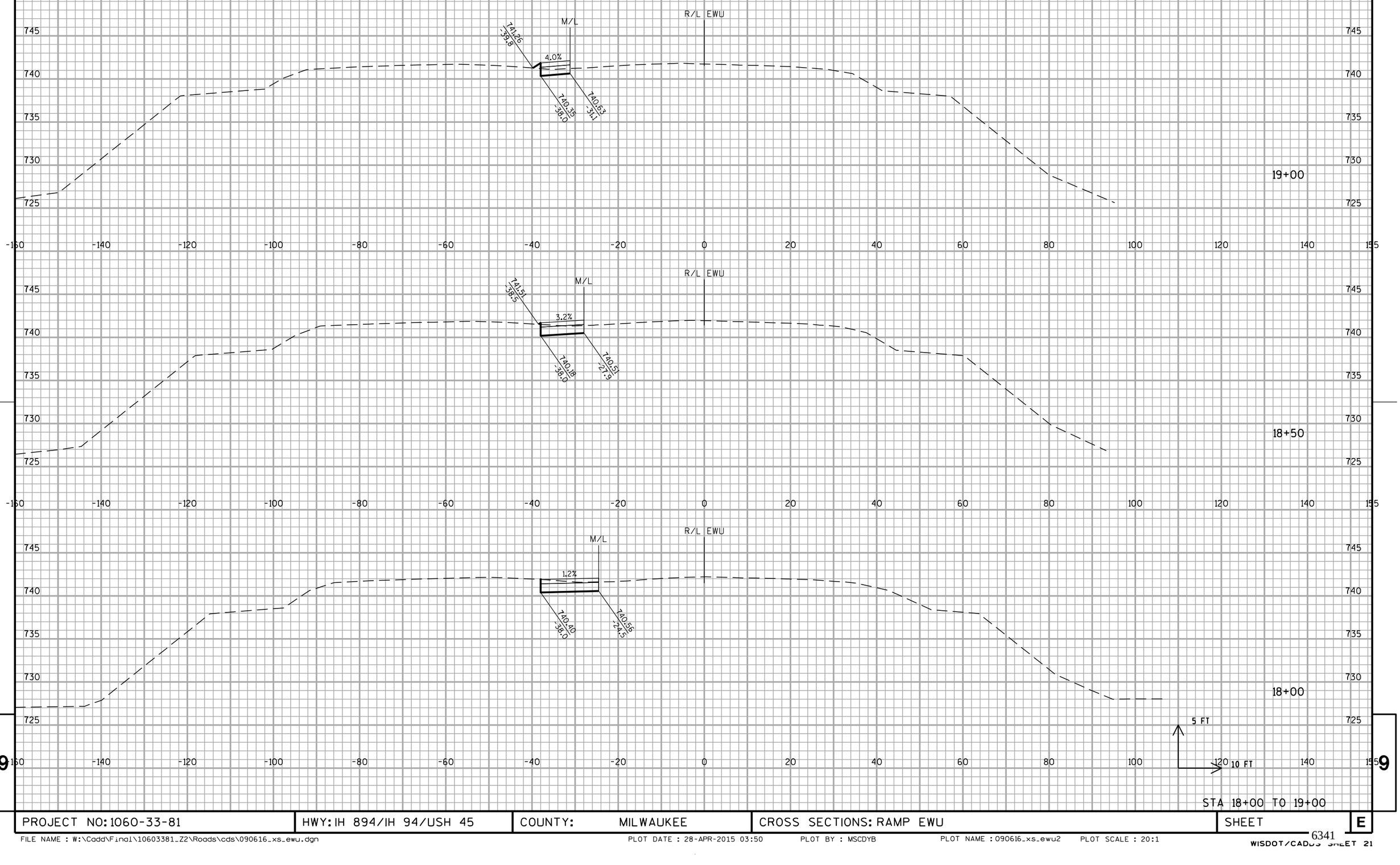


STA 16+50 TO 17+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu1 PLOT SCALE : 20:1

ALL WORK STAGE 5

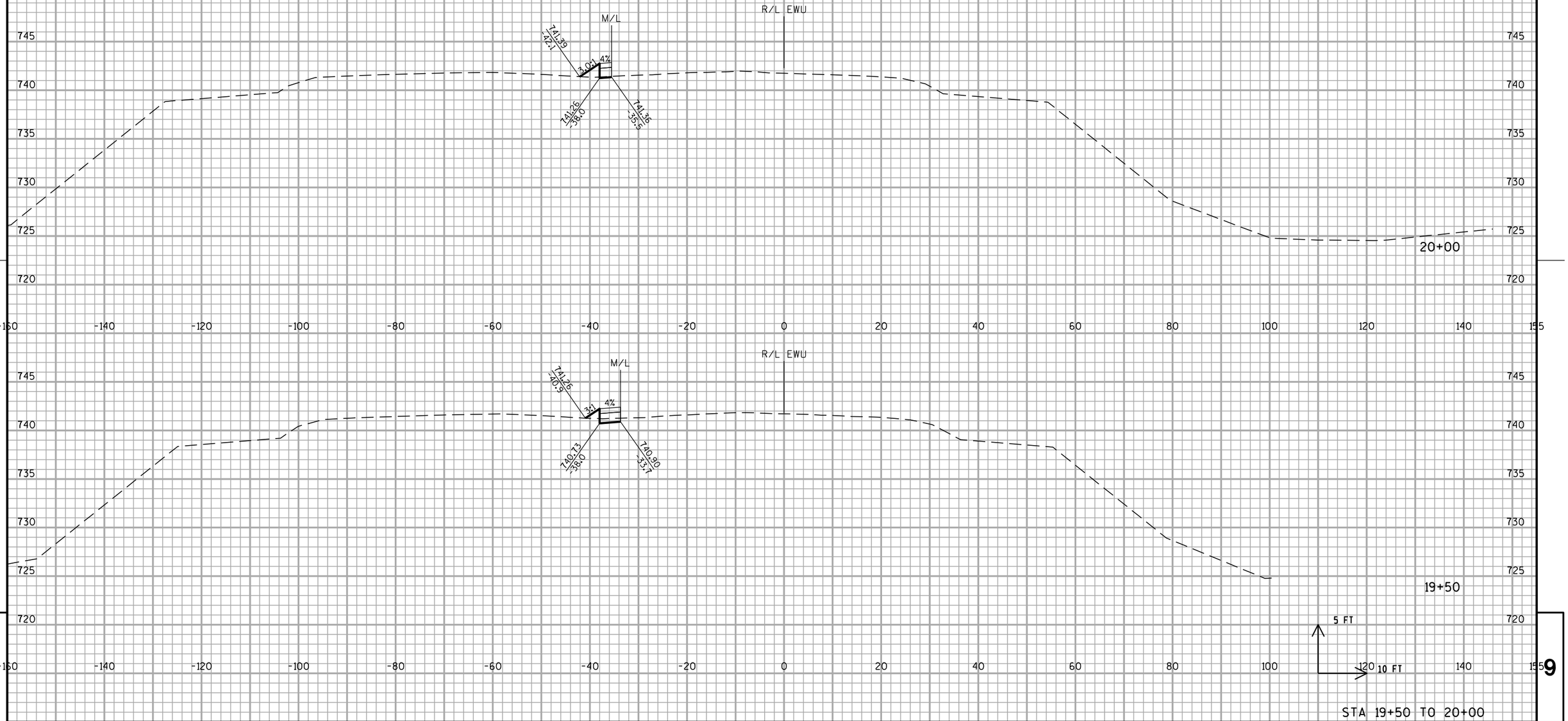


STA 18+00 TO 19+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu2 PLOT SCALE : 20:1

ALL WORK STAGE 5

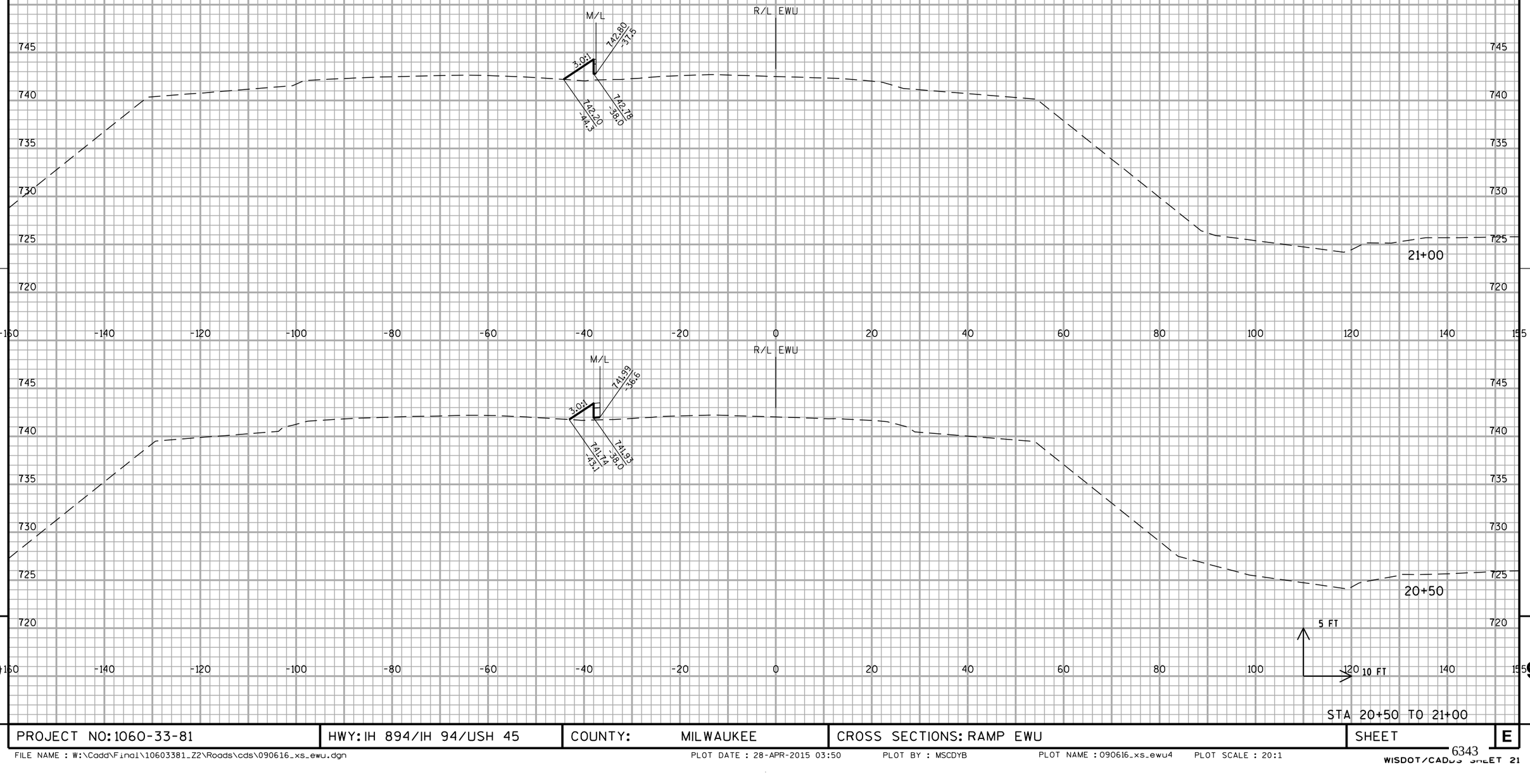


STA 19+50 TO 20+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu3 PLOT SCALE : 20:1

ALL WORK STAGE 5

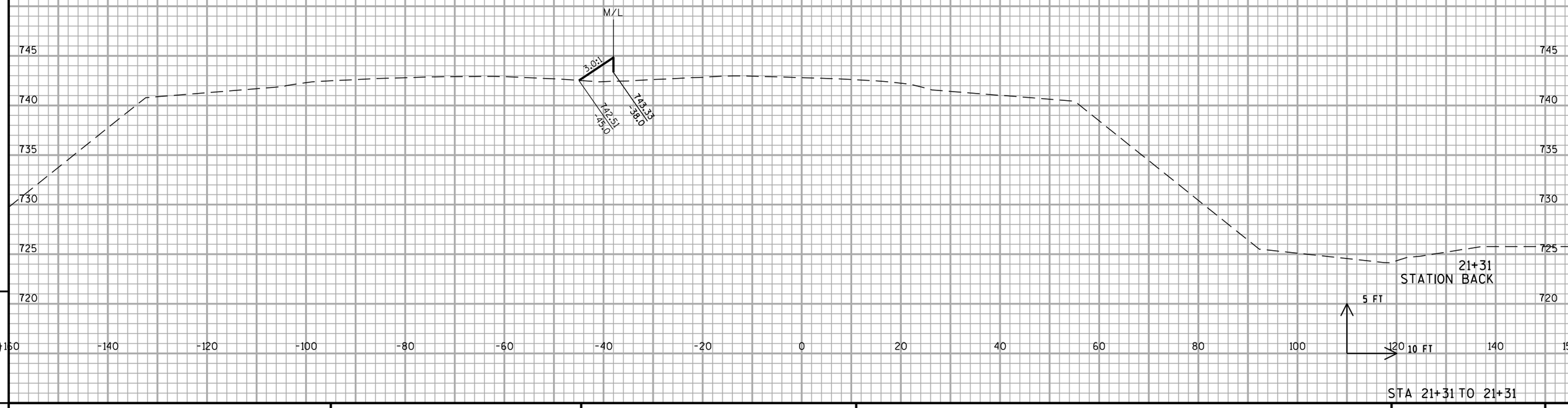


STA 20+50 TO 21+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu4 PLOT SCALE : 20:1

ALL WORK STAGE 5



STA 21+31 TO 21+31

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWU	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090616_xs_ewu.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090616_xs_ewu5 PLOT SCALE : 20:1

ALL WORK STAGE 5

780 775 770 765 760 755

R/L EWV

M/L M/L

3.5%

755.53
-16.0

754.04
-16.60

754.09
-14.5

11+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

780 775 770 765 760 755

1

R/L EWV

M/L M/L

4%

754.69
-16.0

754.73
-15.0

11+00
STATION AHEAD

5 FT

10 FT

STA 11+00 TO 11+50

9

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv PLOT SCALE : 20:1

ALL WORK STAGE 5

775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L EWV

753.27
-18.1
M/L
M/L
2.6%
752.68
-16.0
752.83
-10.5

12+50

775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L EWV

754.55
-16.9
M/L
M/L
3.1%
753.35
-16.0
753.44
-13.0

12+00

5 FT
10 FT

STA 12+00 TO 12+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv1 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

780
775
770
765
760
755
750
745

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160



13+00

5 FT
10 FT

STA 13+00 TO 13+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv2 PLOT SCALE : 20:1

ALL WORK STAGE 5

790
785
780
775
770
765
760
755
750
745

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155



13+50

5 FT
10 FT

STA 13+50 TO 13+50

9 9

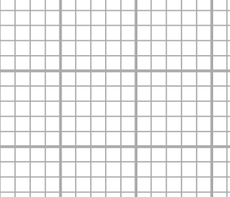
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv3 PLOT SCALE : 20:1

ALL WORK STAGE 5

790
785
780
775
770
765
760
755
750
745

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155



14+00

5 FT
10 FT

STA 14+00 TO 14+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET E

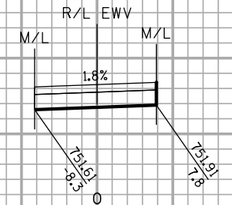
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

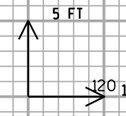
ALL WORK STAGE 5

790 785 780 775 770 765 760 755 750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 150



14+50



STA 14+50 TO 14+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

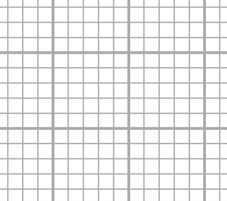
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

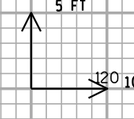
ALL WORK STAGE 5

795
790
785
780
775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155



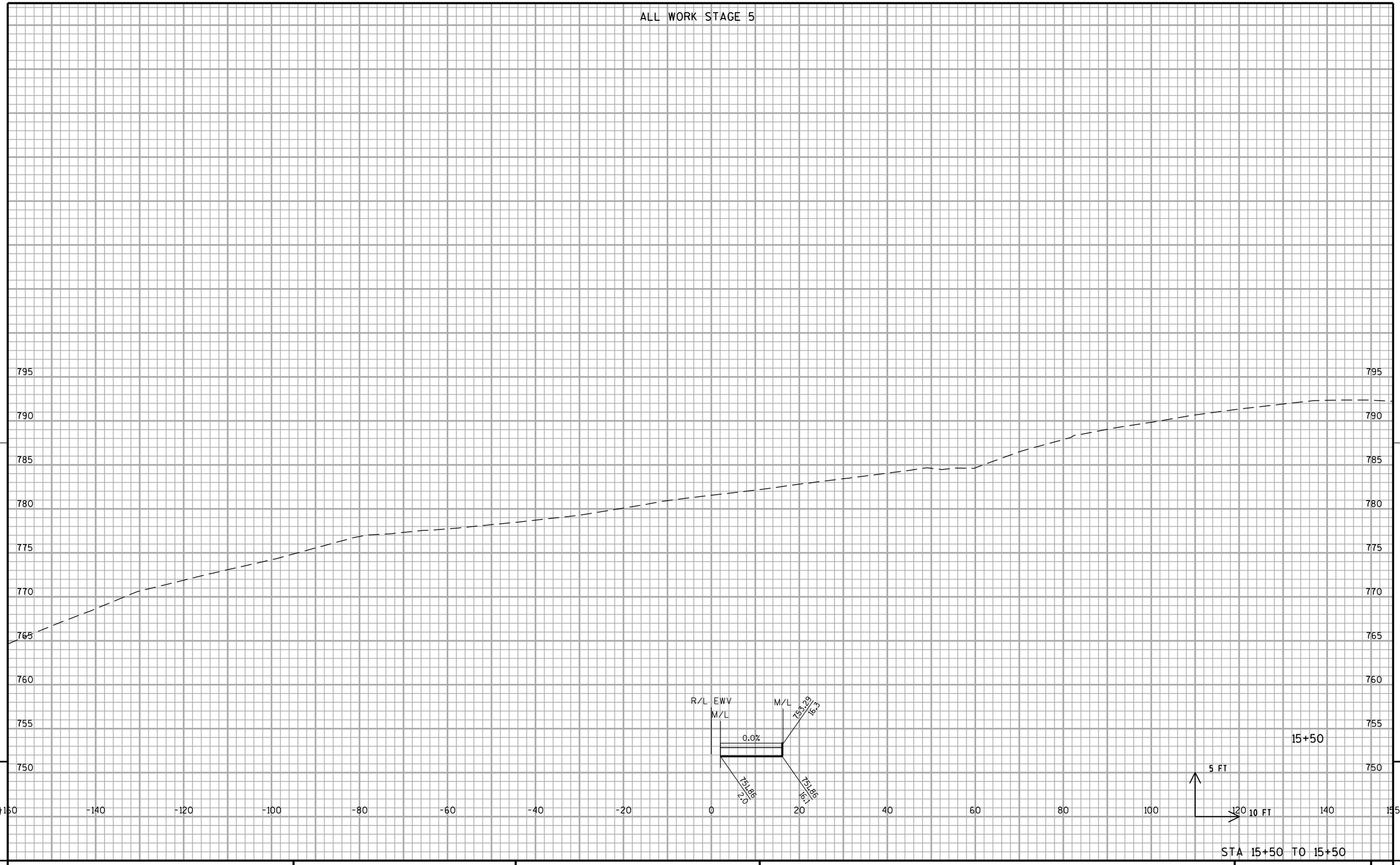
15+00



STA 15+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

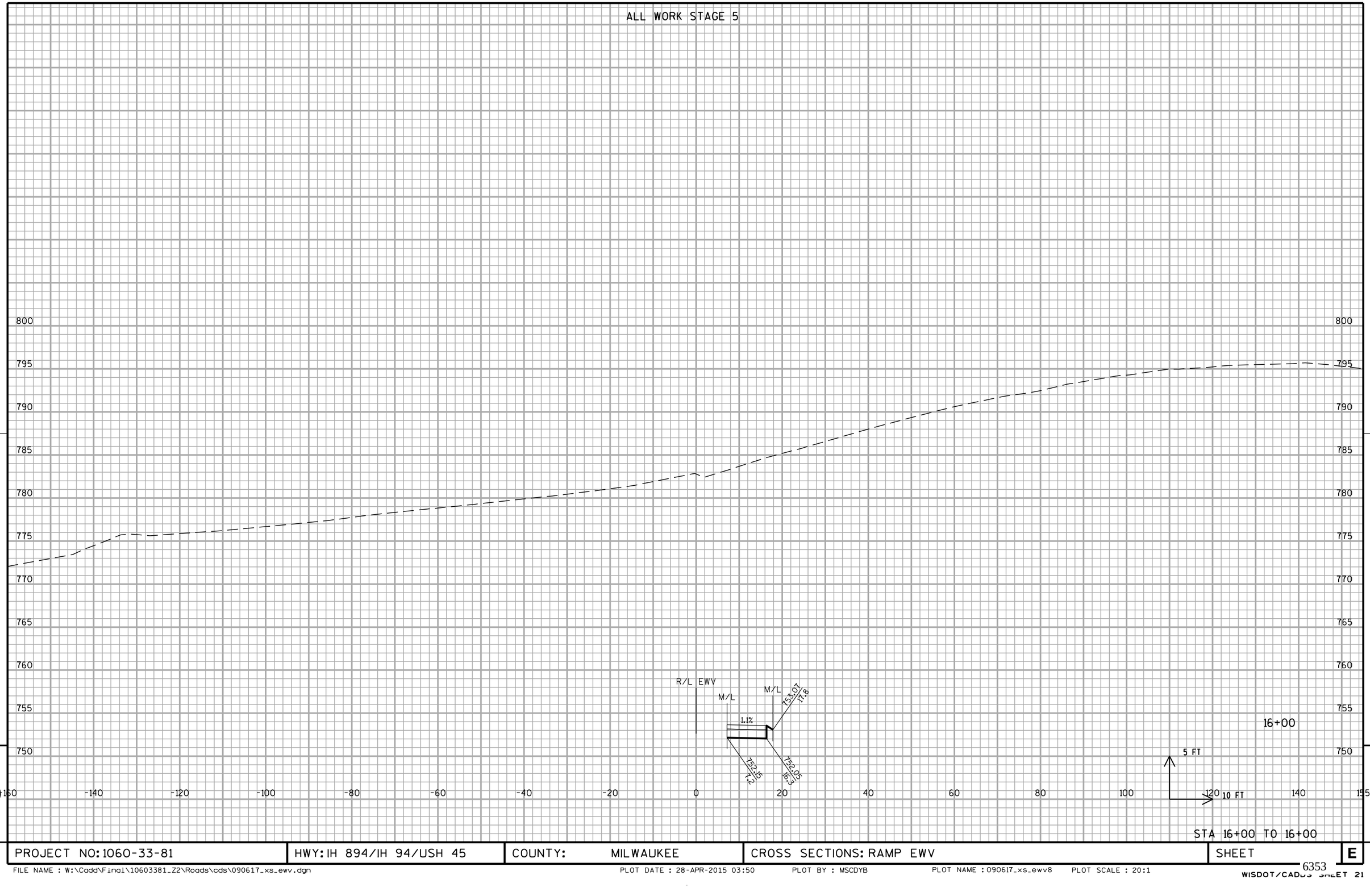
ALL WORK STAGE 5



STA 15+50 TO 15+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

ALL WORK STAGE 5



STA 16+00 TO 16+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

805
800
795
790
785
780
775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L EWV

M/L M/L

753.08
19.0

2.2%

752.49
11.4

752.37
16.6

16+50

5 FT

10 FT

STA 16+50 TO 16+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

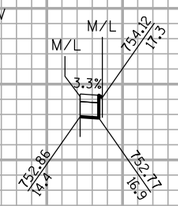
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv9 PLOT SCALE : 20:1

ALL WORK STAGE 5

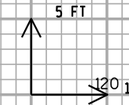
805
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795
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785
780
775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160

R/L EWV



17+00



STA 17+00 TO 17+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv10 PLOT SCALE : 20:1

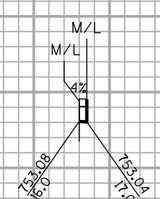
WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

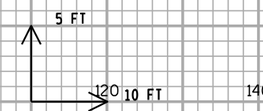
805
800
795
790
785
780
775
770
765
760
755
750

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

R/L EWV



17+29
STATION BACK



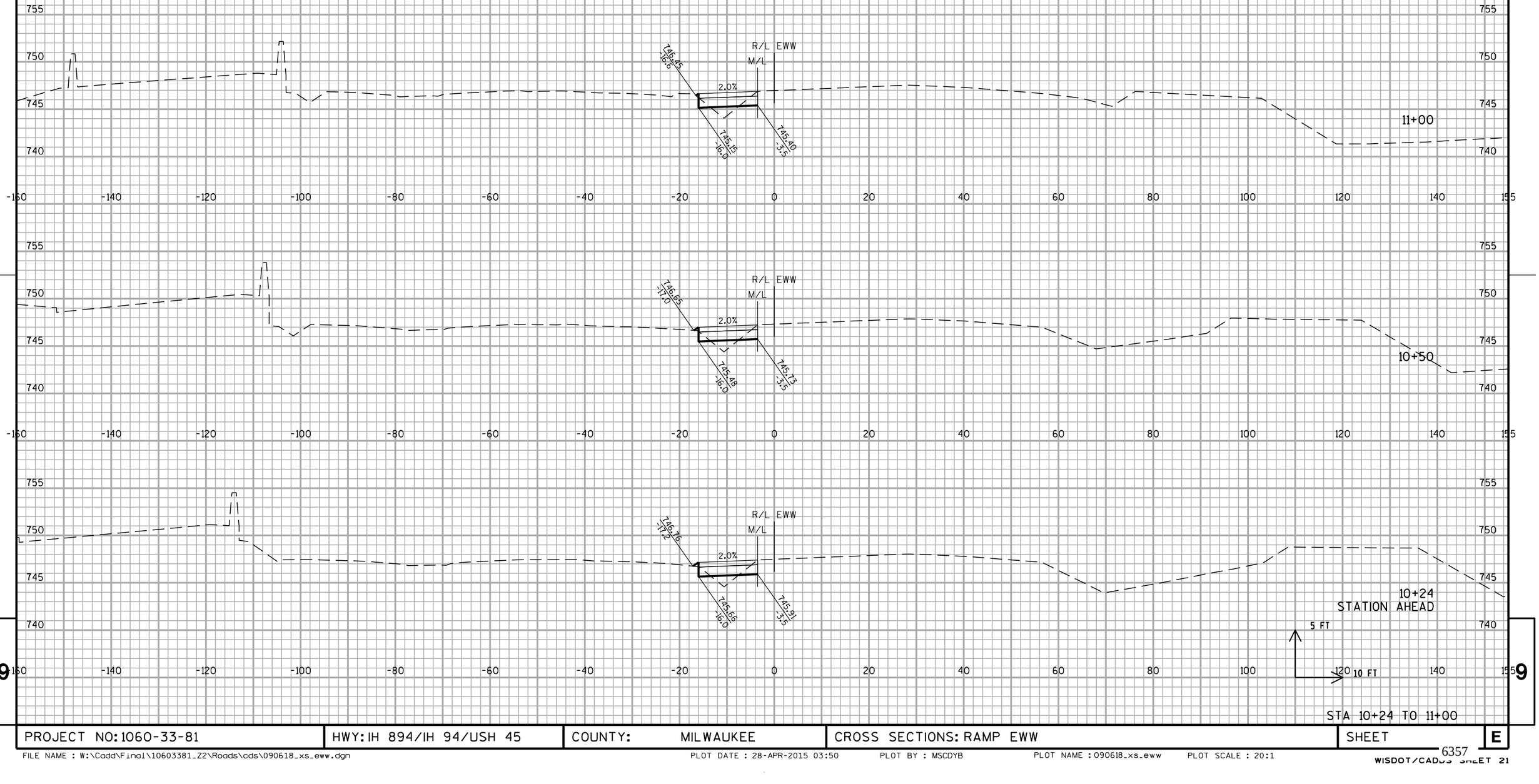
STA 17+29 TO 17+29

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWV	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090617_xs_ewv.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090617_xs_ewv11 PLOT SCALE : 20:1

ALL WORK STAGE 6

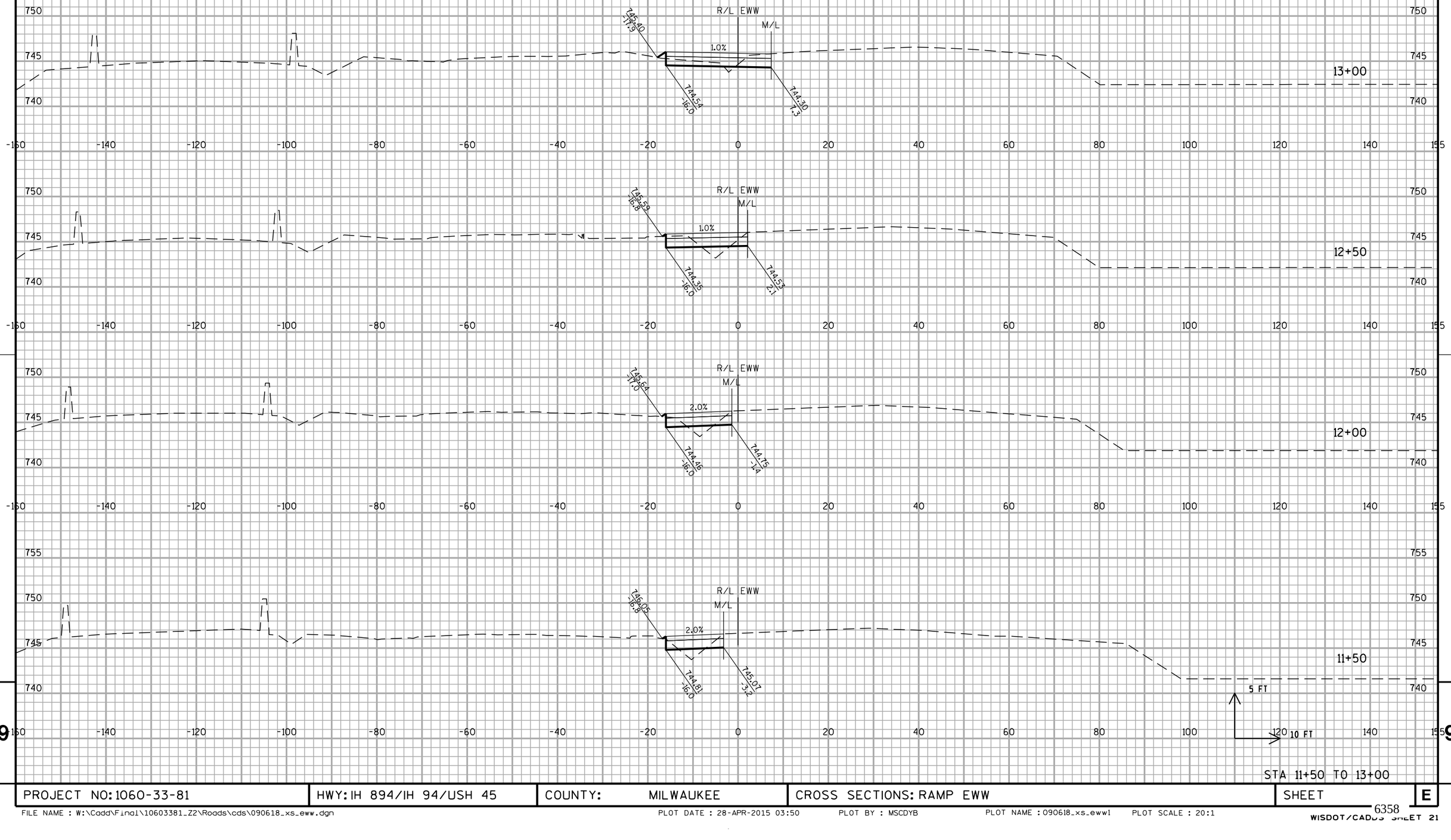


STA 10+24 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWW	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090618_xs_eww.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090618_xs_eww PLOT SCALE : 20:1

ALL WORK STAGE 6

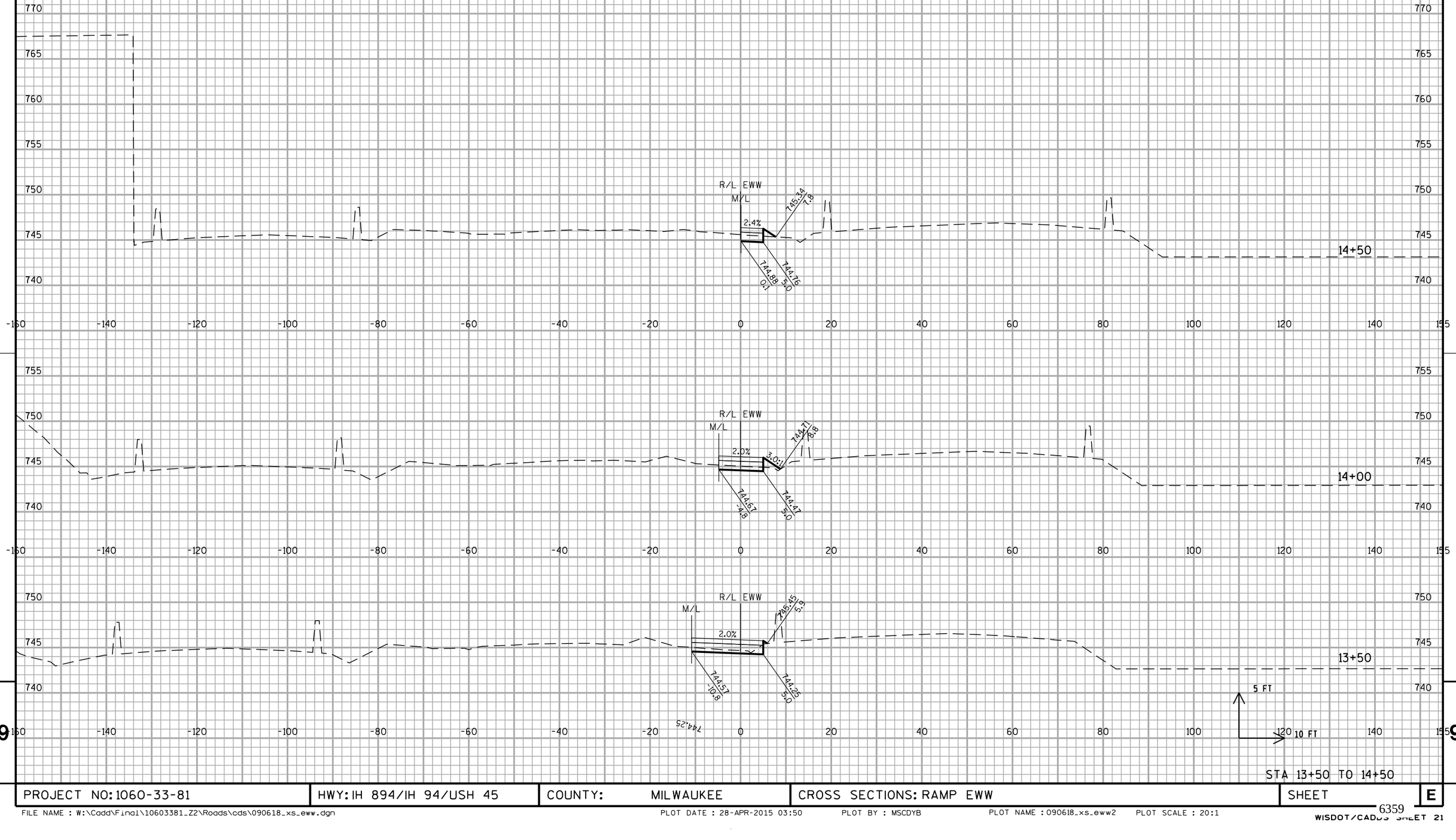


STA 11+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090618_xs_eww.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090618_xs_eww1 PLOT SCALE : 20:1

ALL WORK STAGE 6

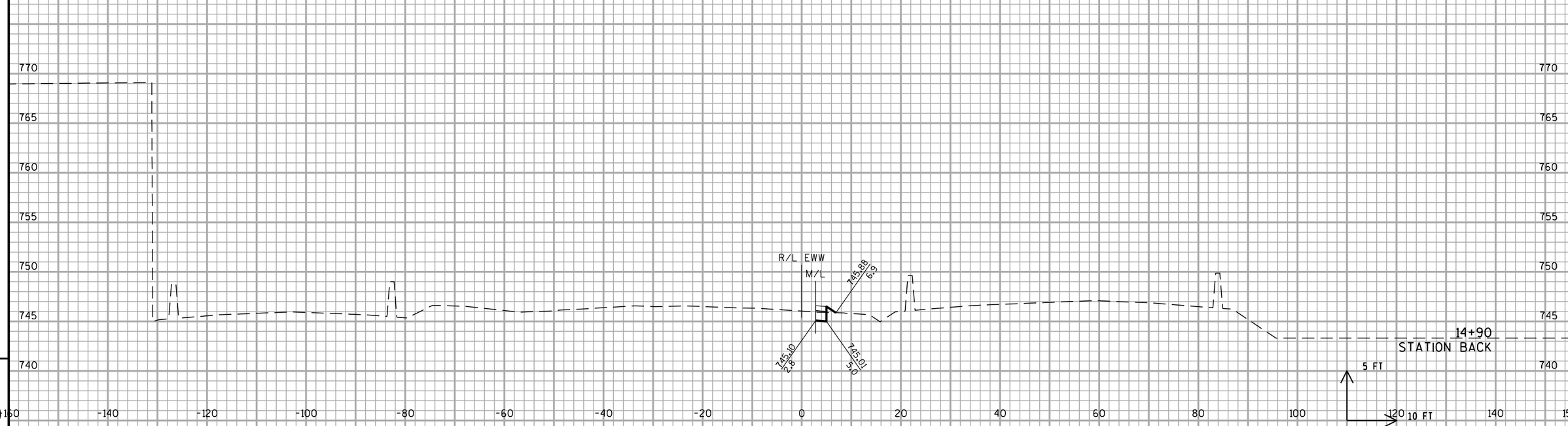


STA 13+50 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090618_xs_eww.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090618_xs_eww2 PLOT SCALE : 20:1

ALL WORK STAGE 6



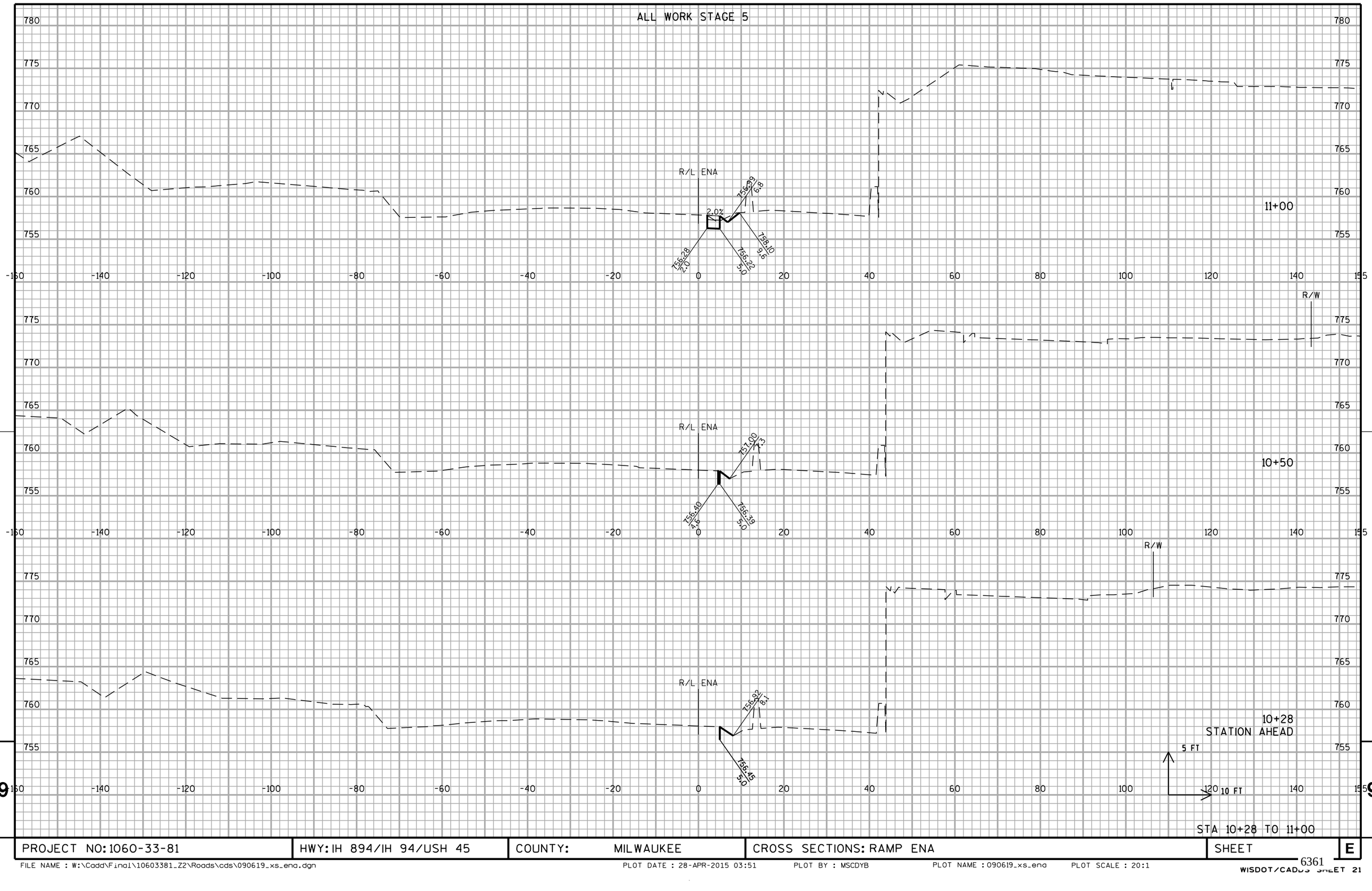
STA 14+90 TO 14+90

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP EWW	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090618_xs_eww.dgn PLOT DATE : 28-APR-2015 03:50 PLOT BY : MSCDYB PLOT NAME : 090618_xs_eww3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

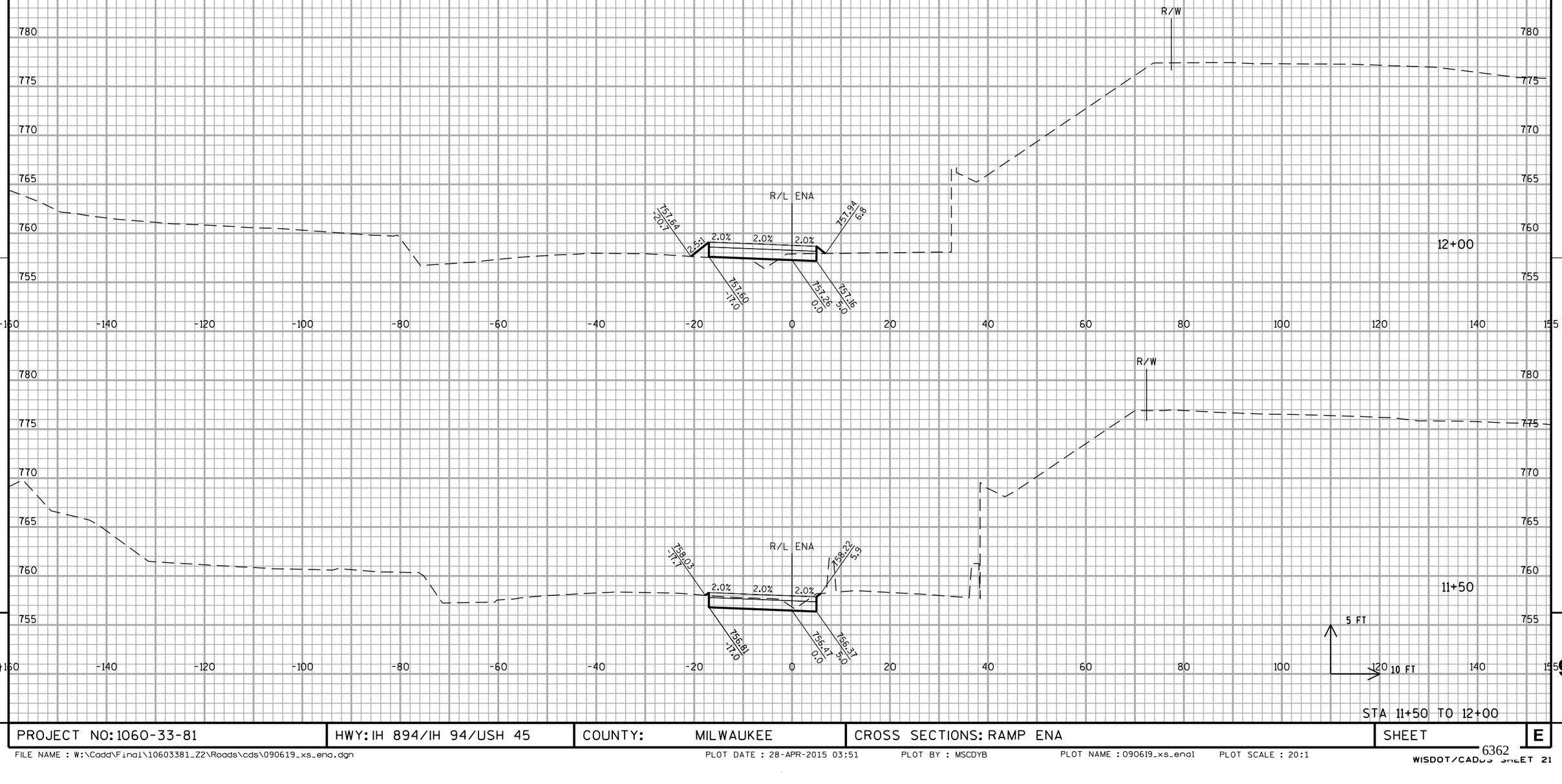


STA 10+28 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena PLOT SCALE : 20:1

ALL WORK STAGE 5



STA 11+50 TO 12+00

9

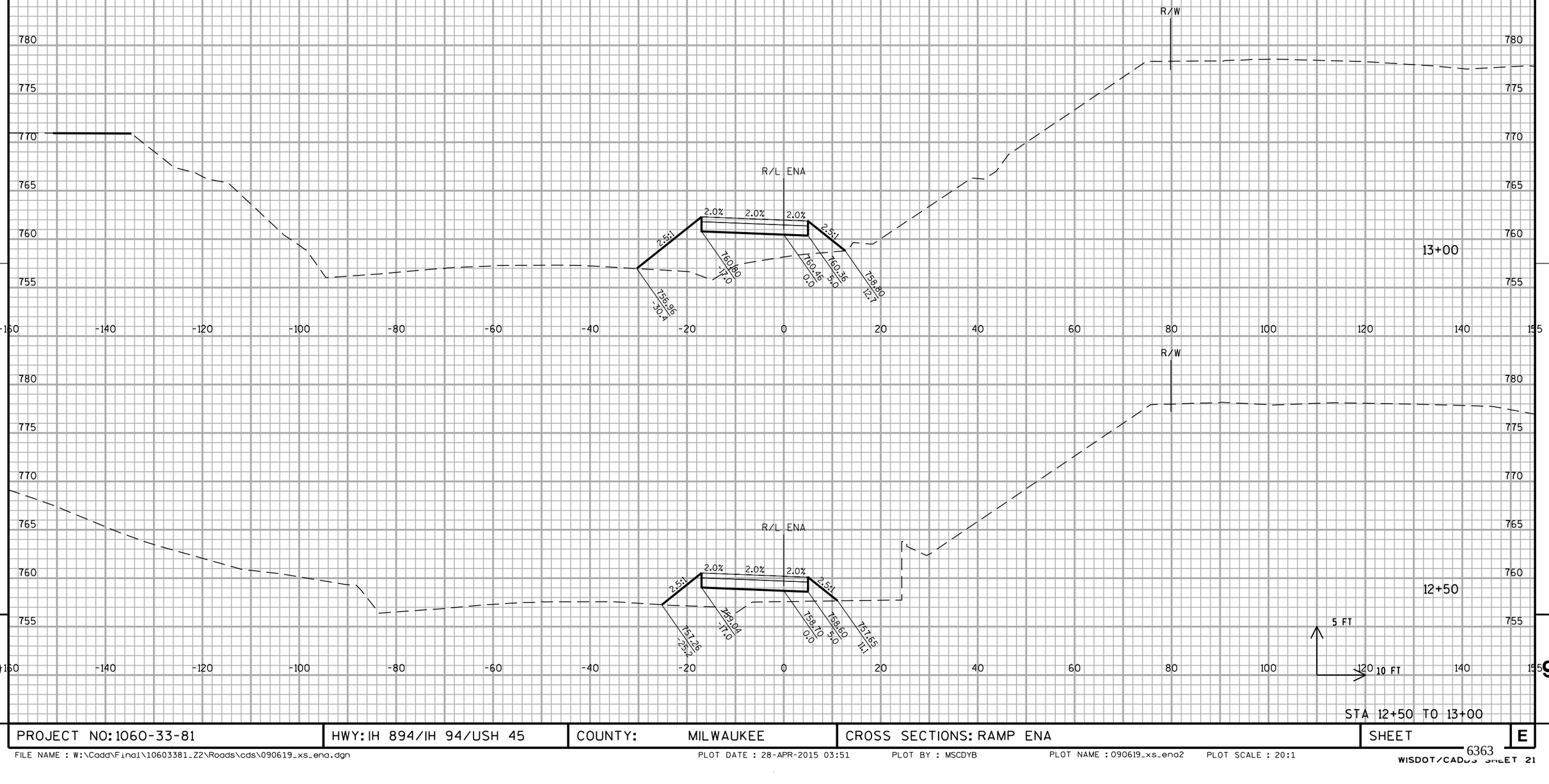
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 5

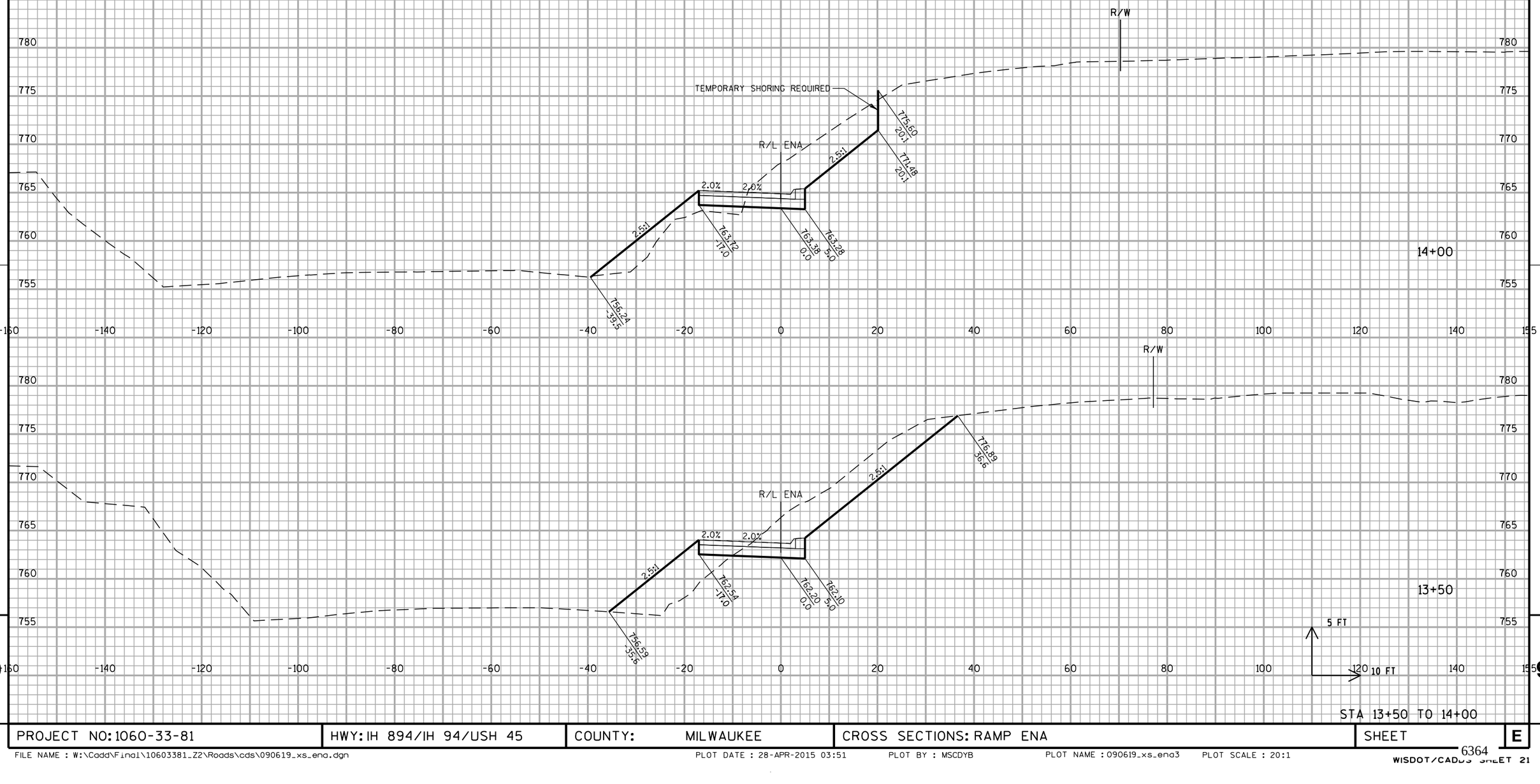


STA 12+50 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena2 PLOT SCALE : 20:1

ALL WORK STAGE 5



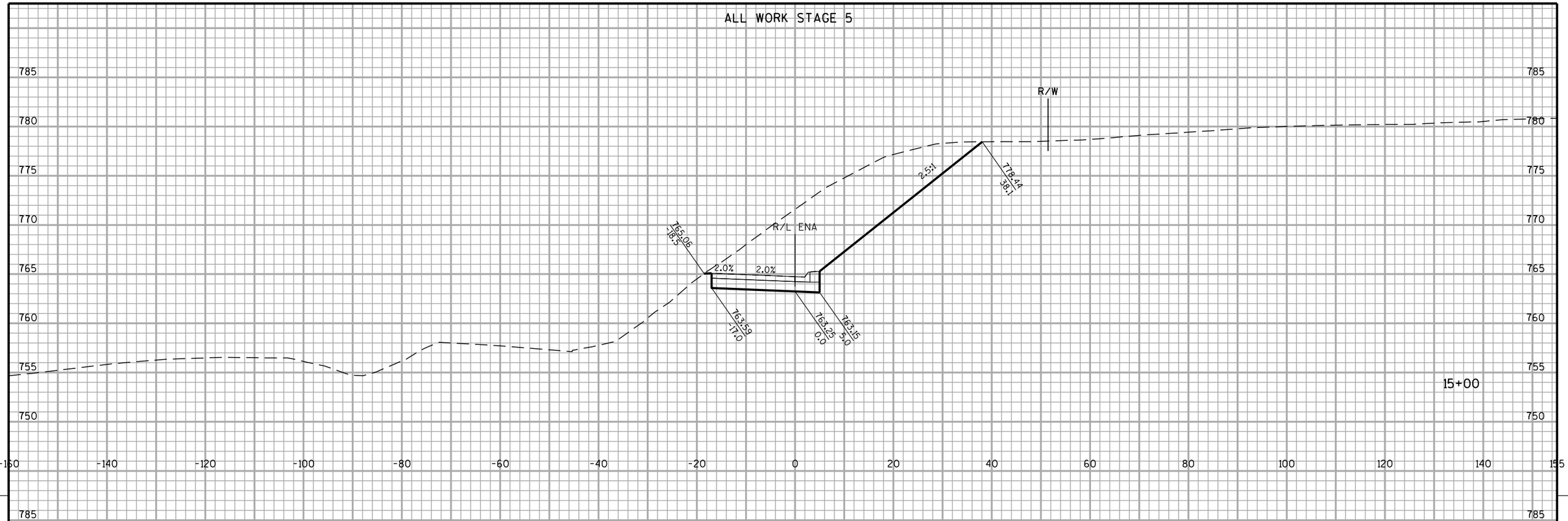
STA 13+50 TO 14+00

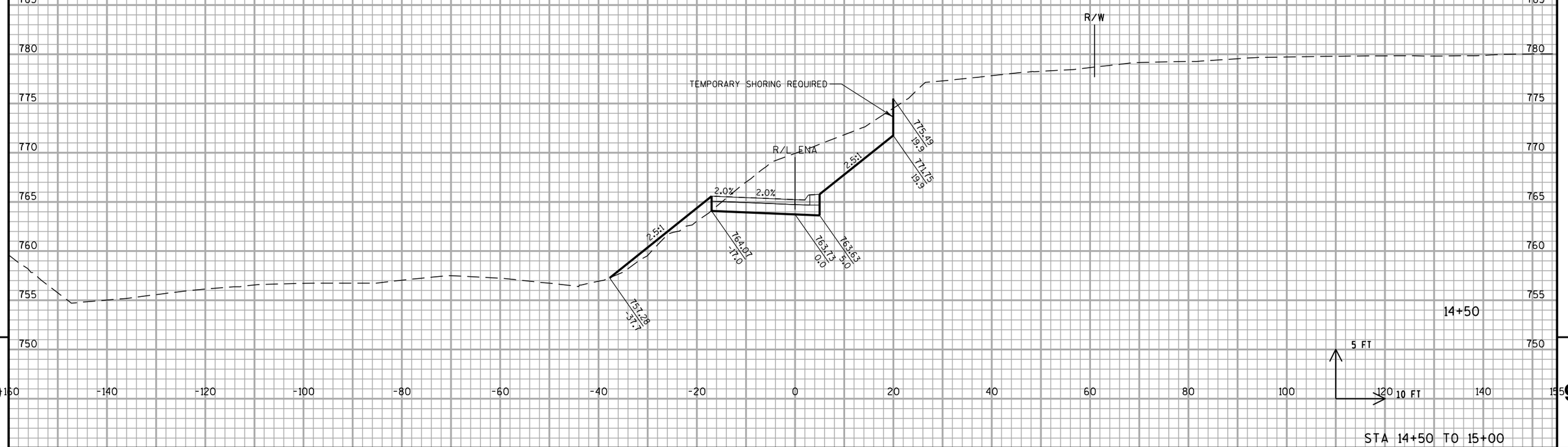
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 5



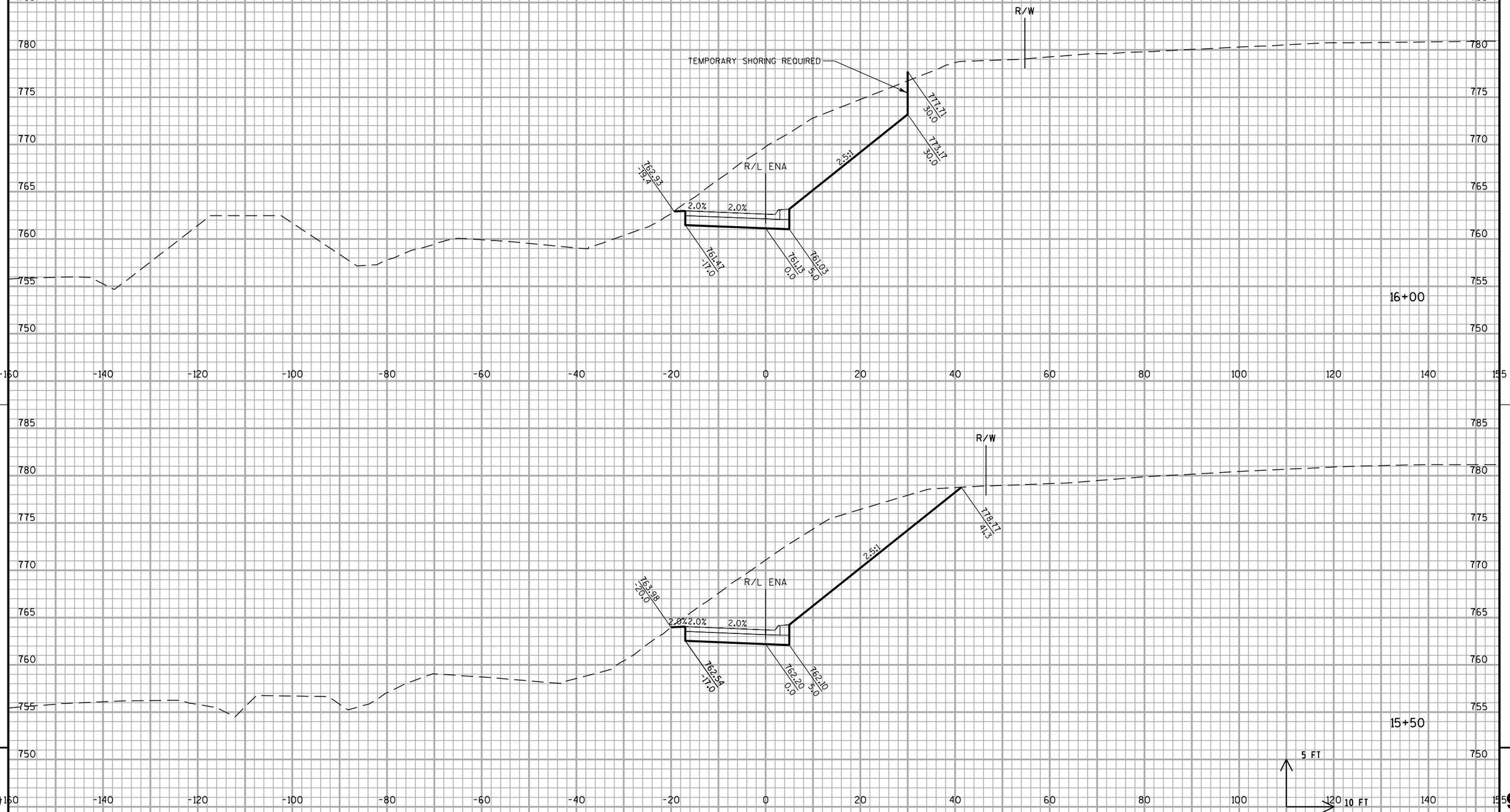


STA 14+50 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena4 PLOT SCALE : 20:1

ALL WORK STAGE 5

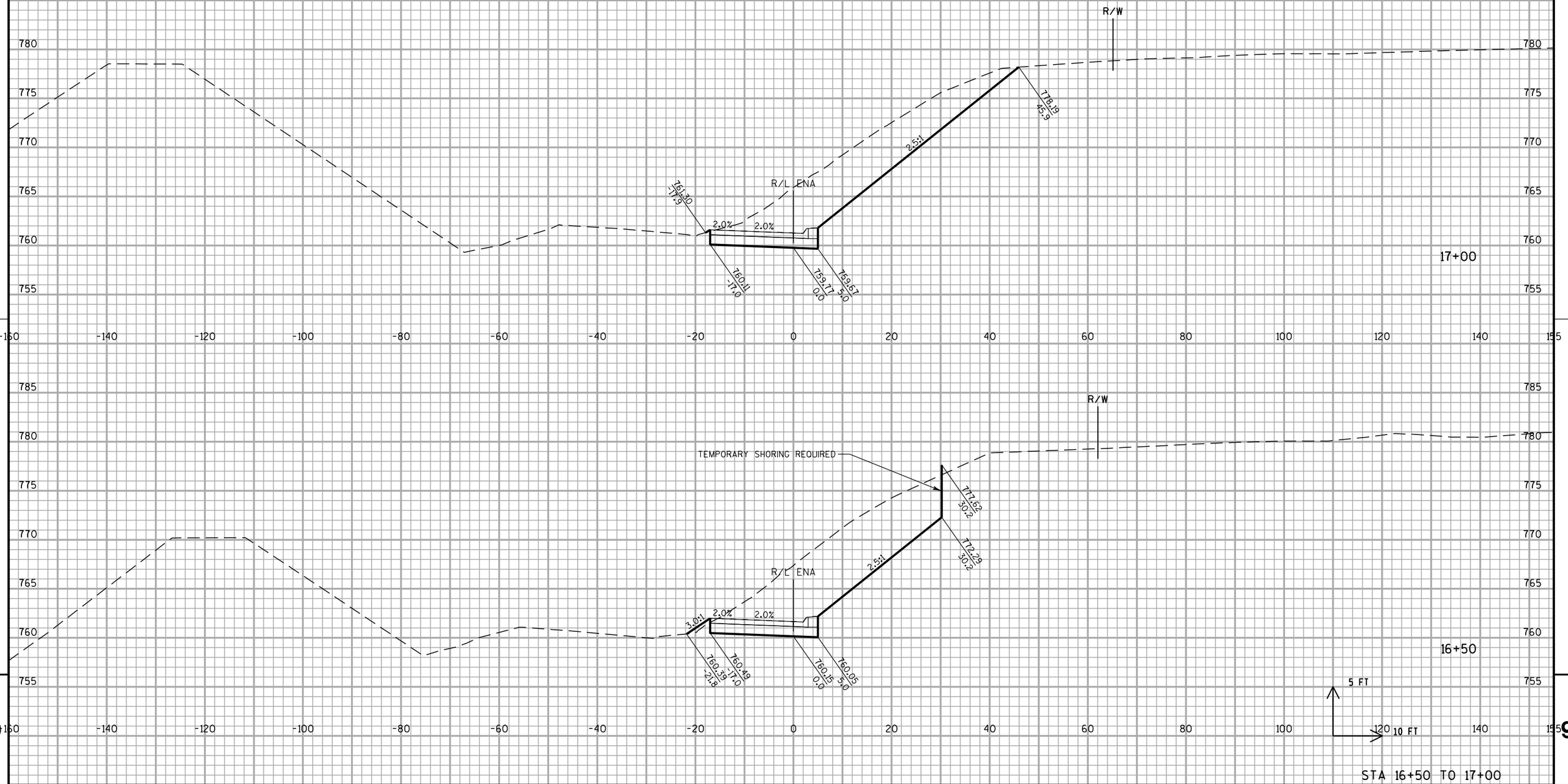


STA 15+50 TO 16+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena5 PLOT SCALE : 20:1

ALL WORK STAGE 5

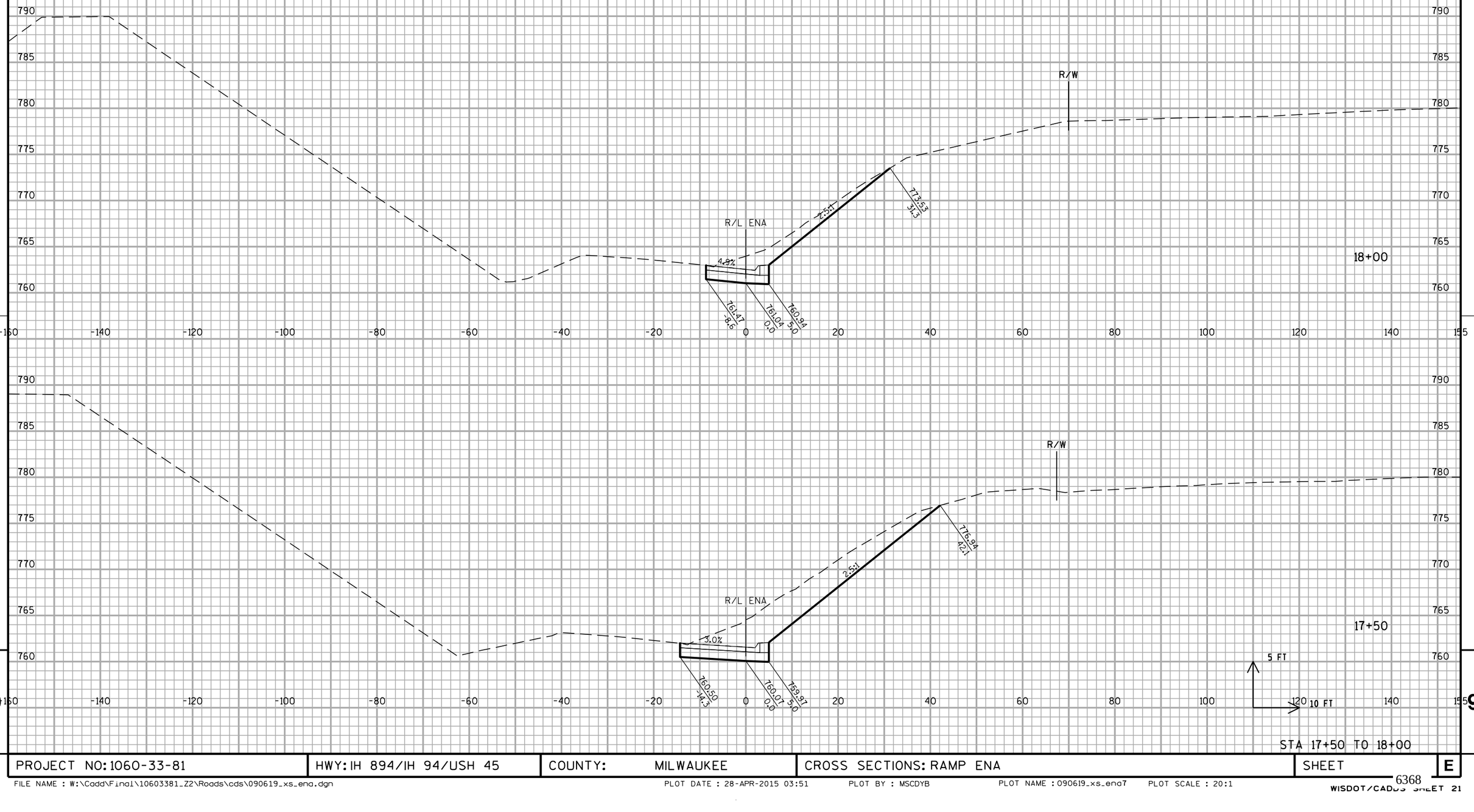


STA 16+50 TO 17+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena6 PLOT SCALE : 20:1

ALL WORK STAGE 5

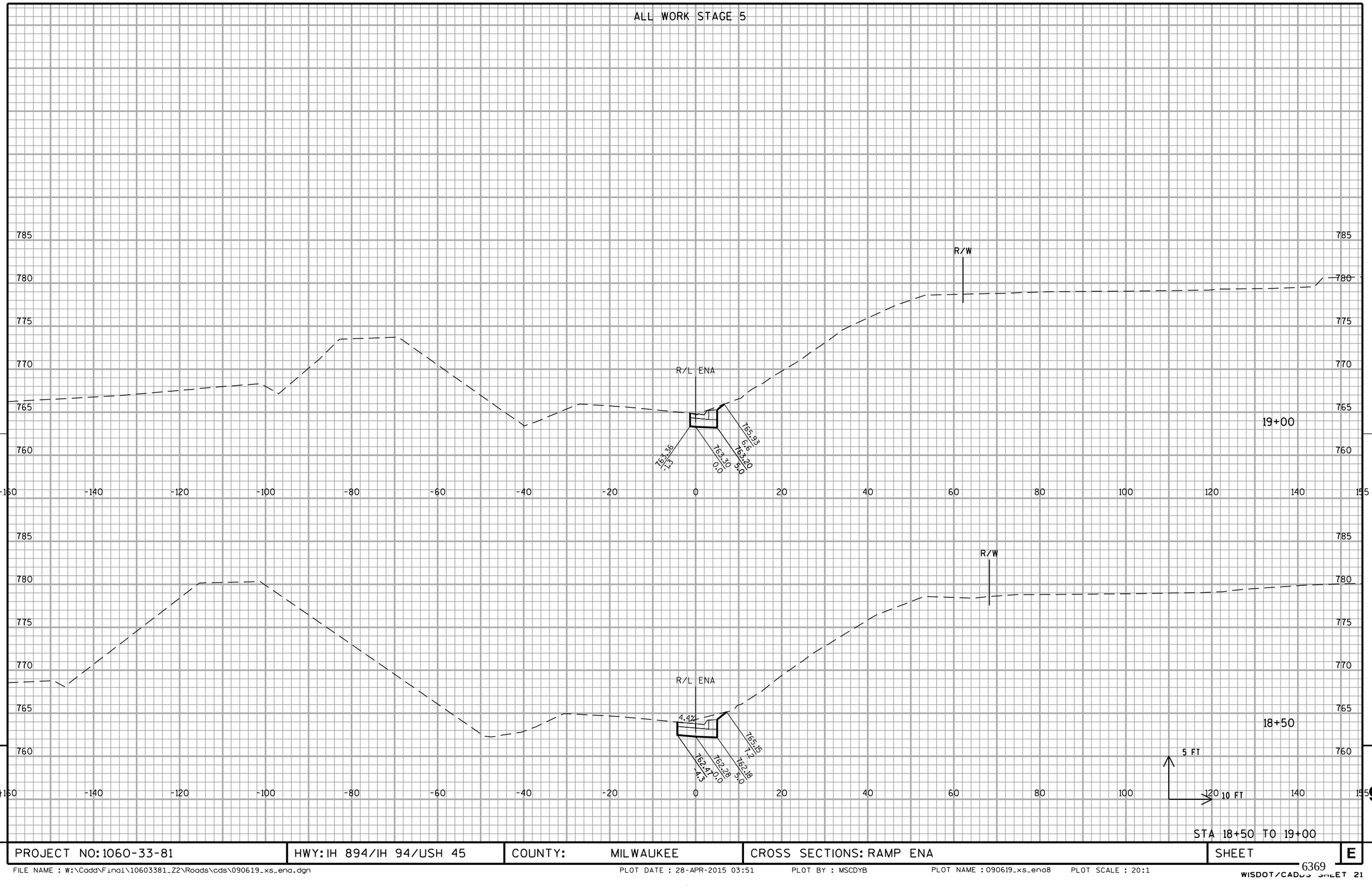


STA 17+50 TO 18+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena7 PLOT SCALE : 20:1

ALL WORK STAGE 5

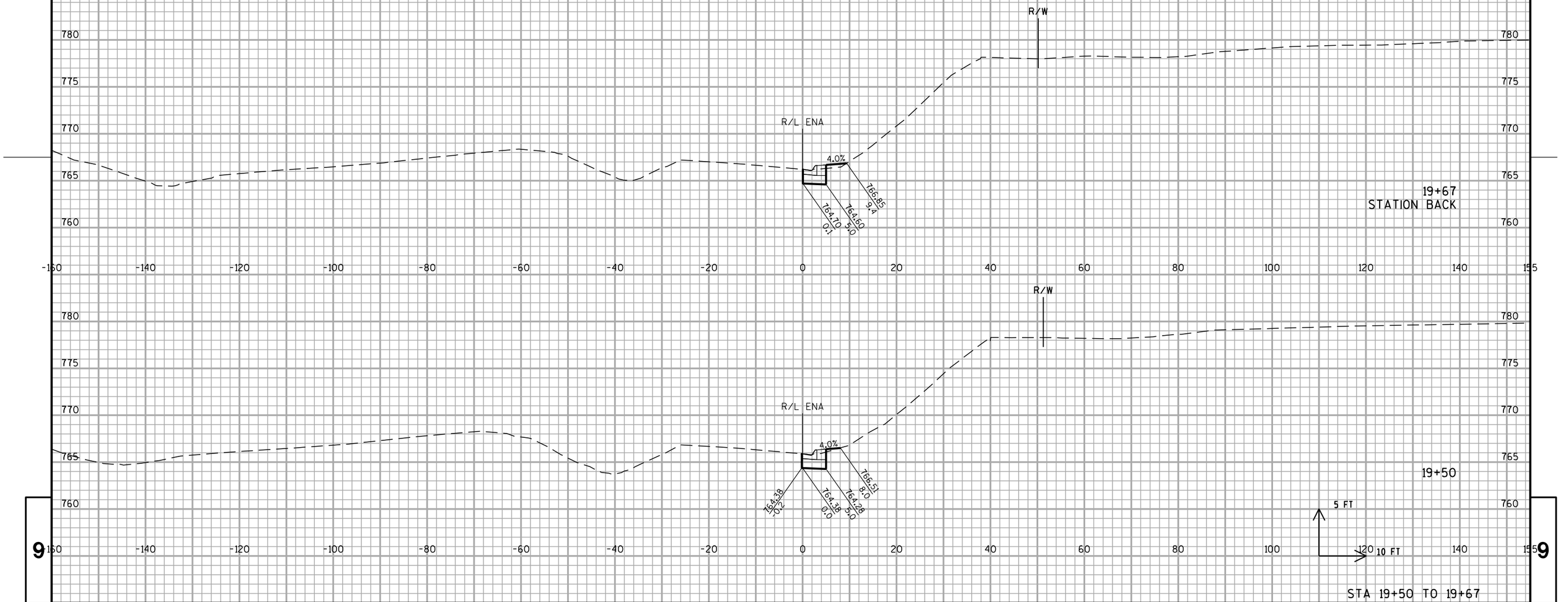


STA 18+50 TO 19+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena8 PLOT SCALE : 20:1

ALL WORK STAGE 5



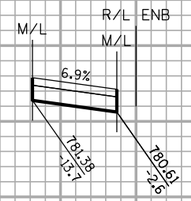
STA 19+50 TO 19+67

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090619_xs_ena.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090619_xs_ena9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

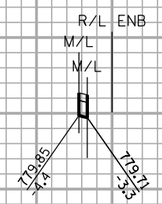
ALL WORK STAGE 6



785 780 775 770 765 760 755

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

12+50



785 780 775 770 765 760 755

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

12+28
STATION AHEAD

5 FT
10 FT

STA 12+28 TO 12+50

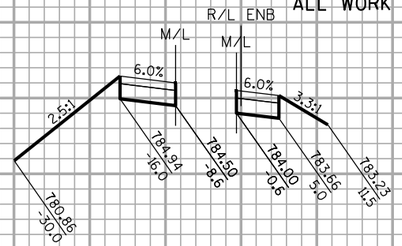
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090620_xs_enb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090620_xs_enb PLOT SCALE : 20:1

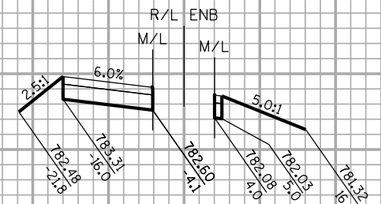
WISDOT/CADDS SHEET 21

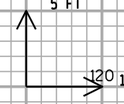
ALL WORK STAGE 6



13+50

13+00



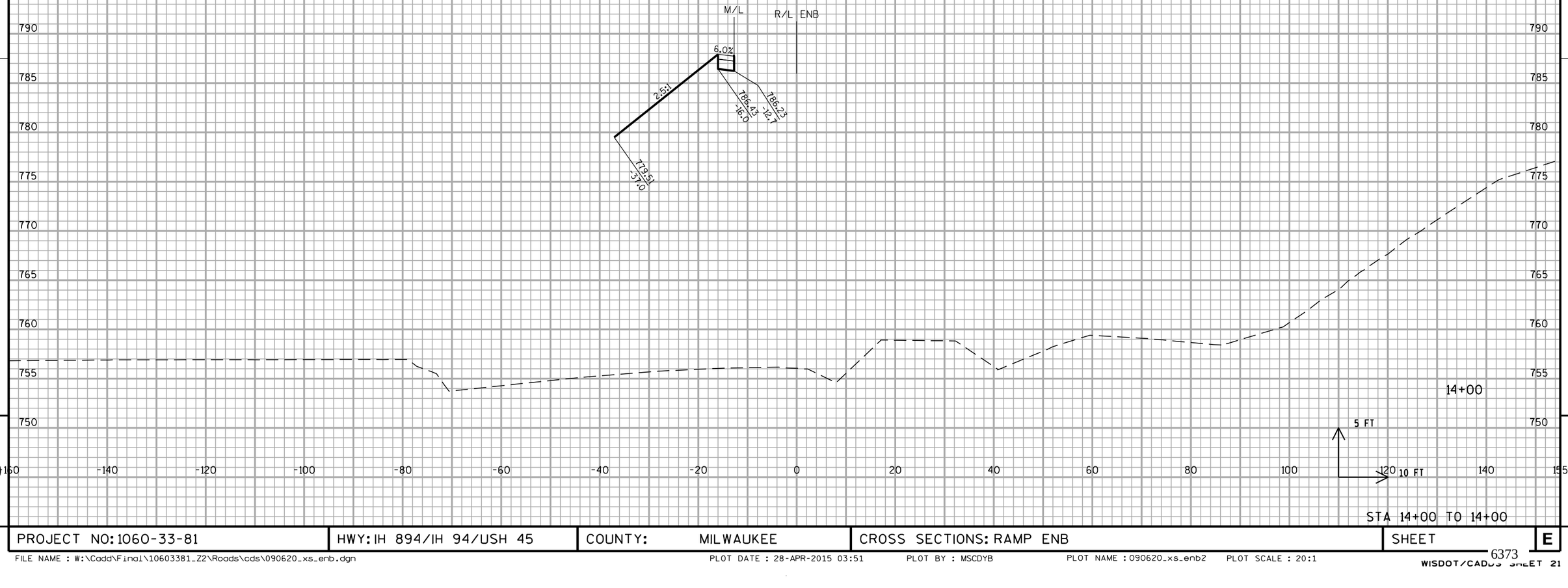


STA 13+00 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090620_xs_enb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090620_xs_enb1 PLOT SCALE : 20:1

ALL WORK STAGE 6

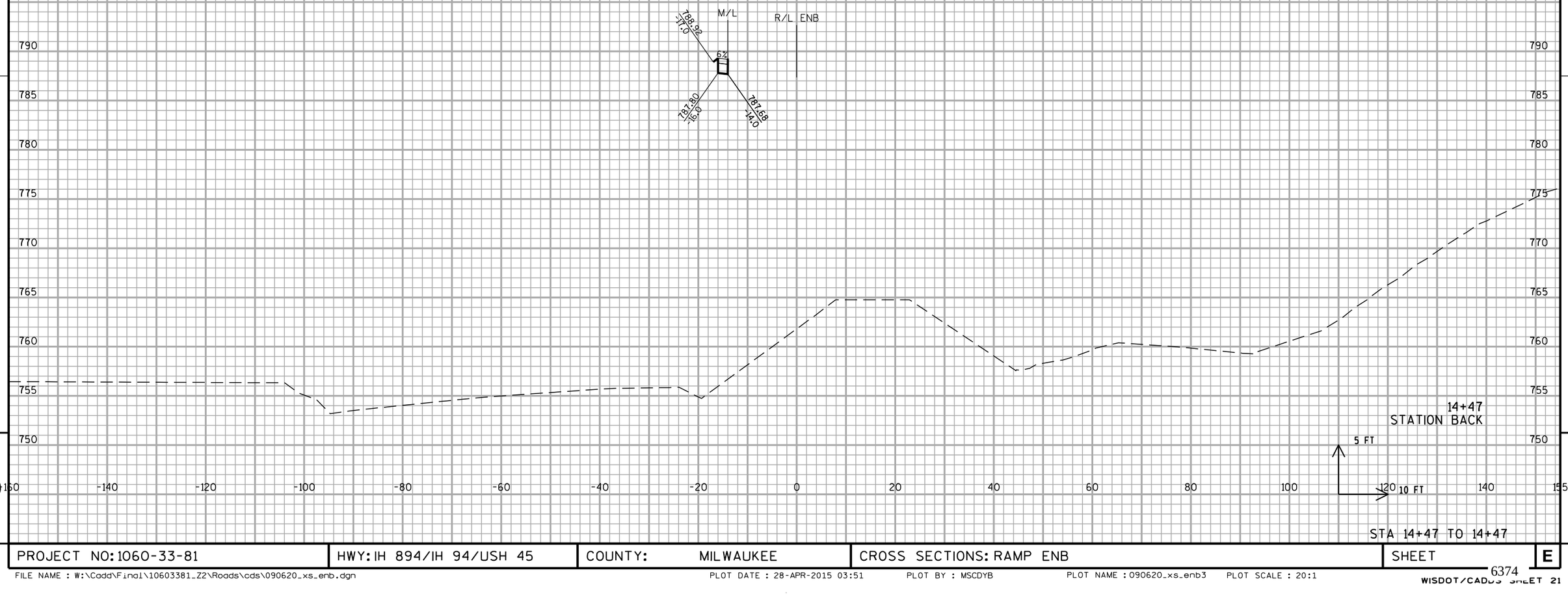


STA 14+00 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090620_xs_enb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090620_xs_enb2 PLOT SCALE : 20:1

ALL WORK STAGE 6

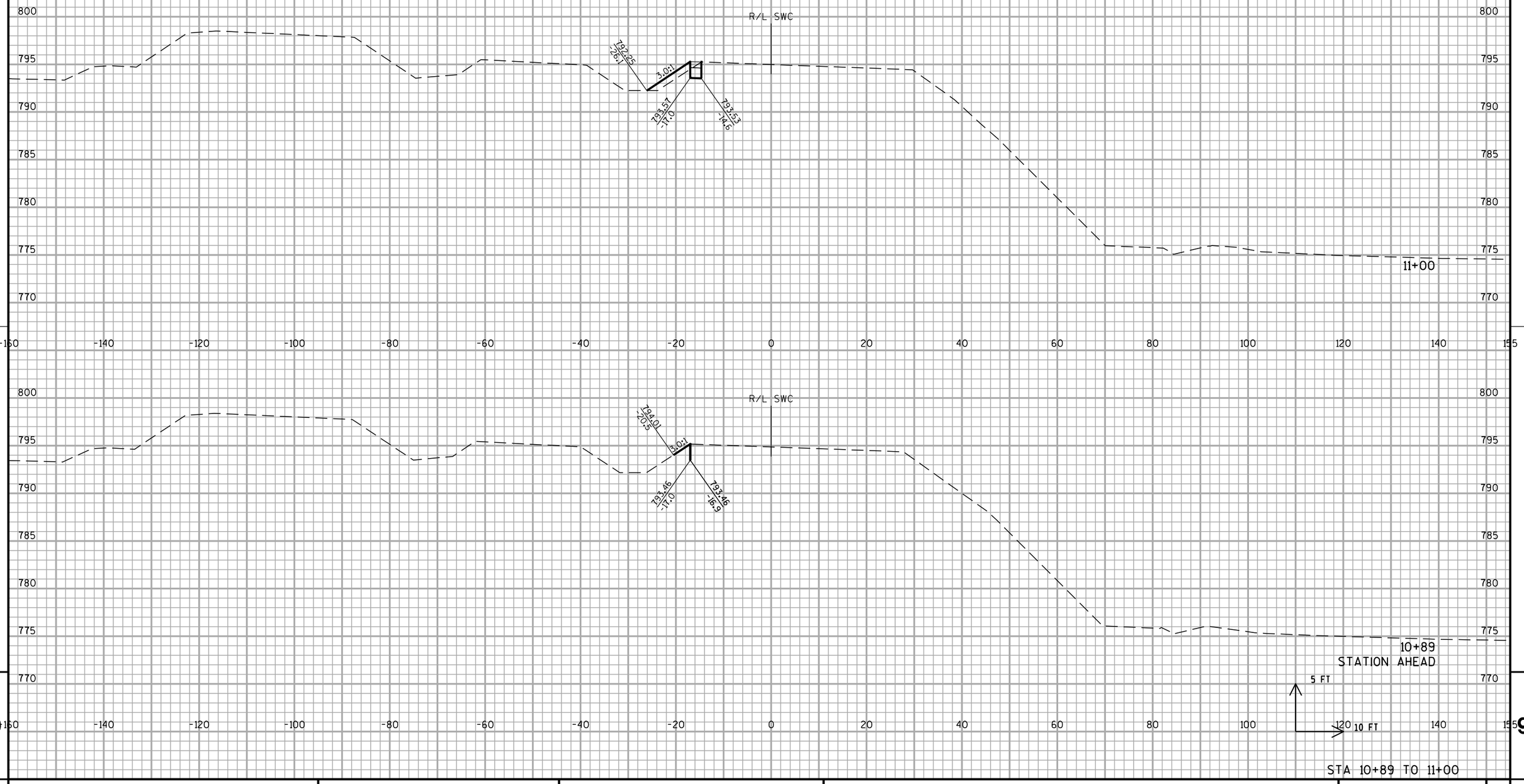


STA 14+47 TO 14+47

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP ENB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090620_xs_enb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090620_xs_enb3 PLOT SCALE : 20:1

ALL WORK STAGE 2

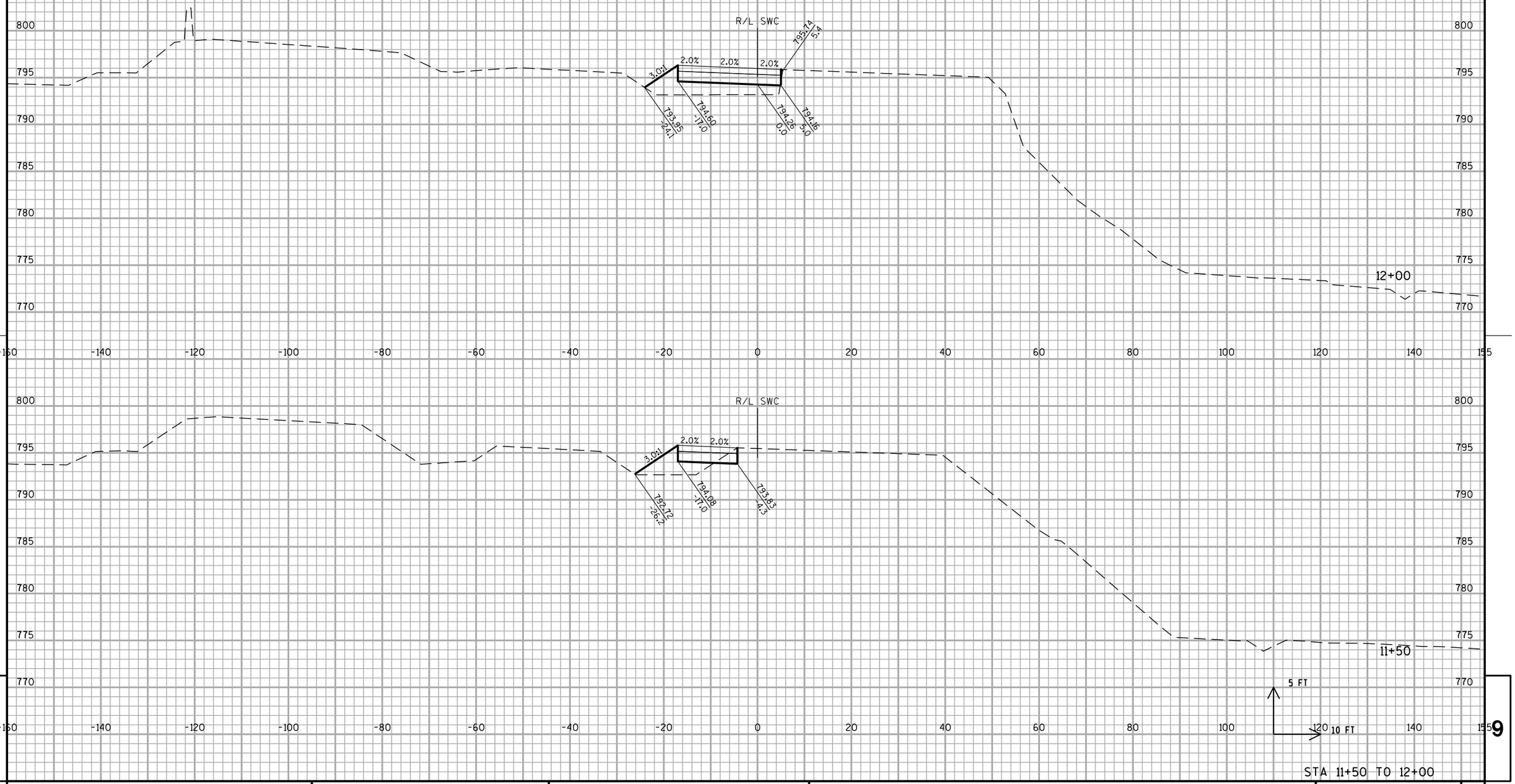


STA 10+89 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090621_xs_swc.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090621_xs_swc PLOT SCALE : 20:1

ALL WORK STAGE 2



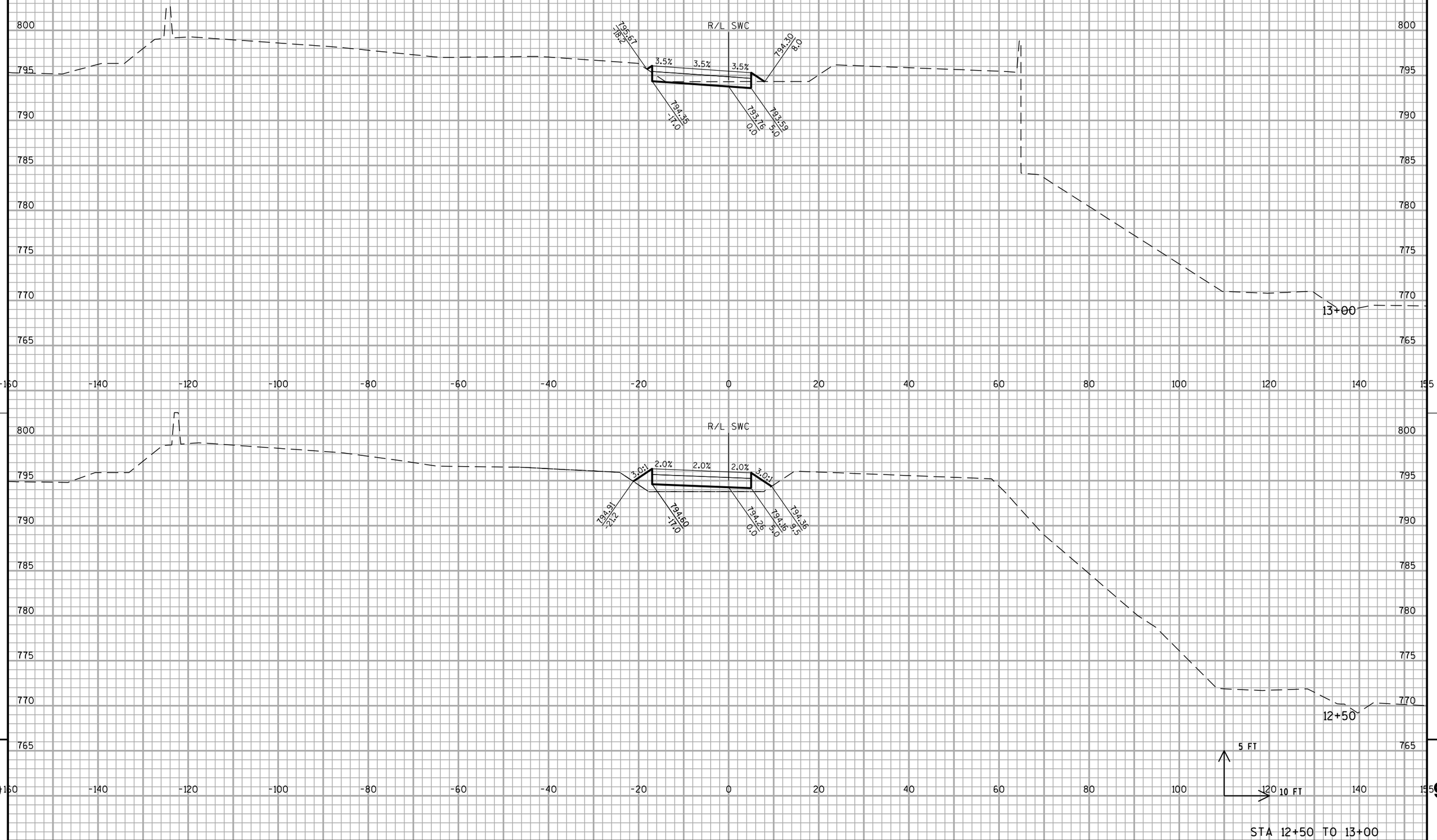
STA 11+50 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090621_xs_swc.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090621_xs_swc1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

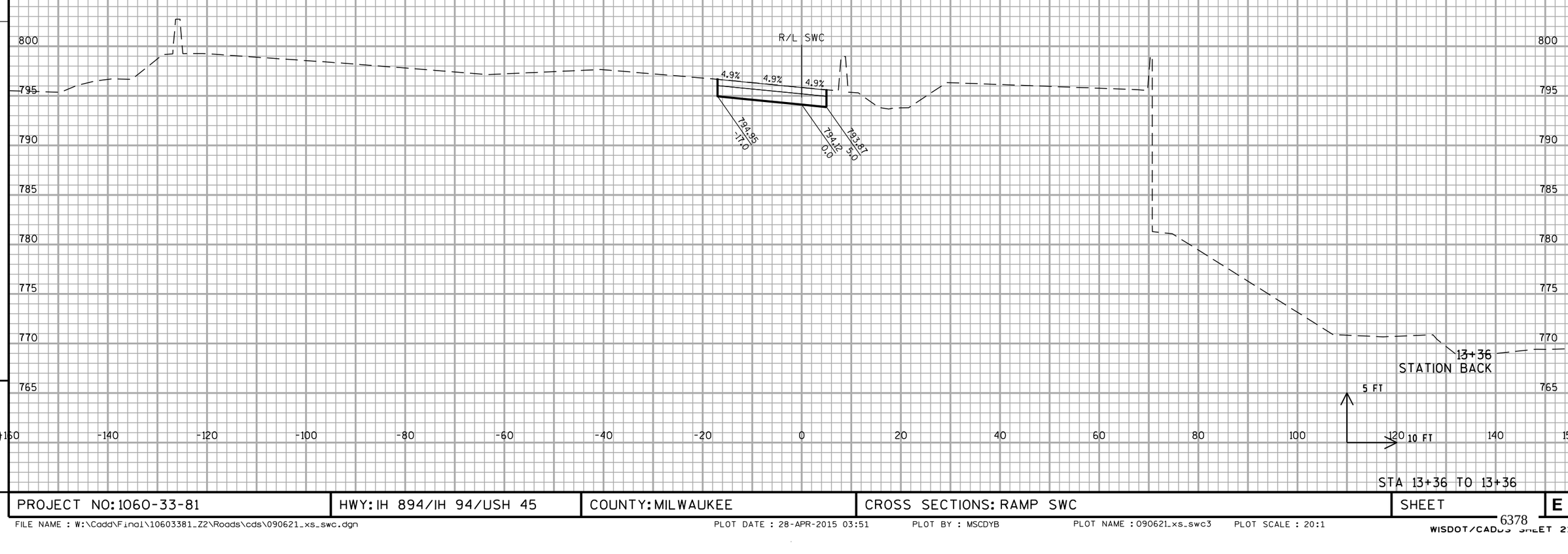


PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWC	SHEET	E

STA 12+50 TO 13+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090621_xs_swc.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090621_xs_swc2 PLOT SCALE : 20:1

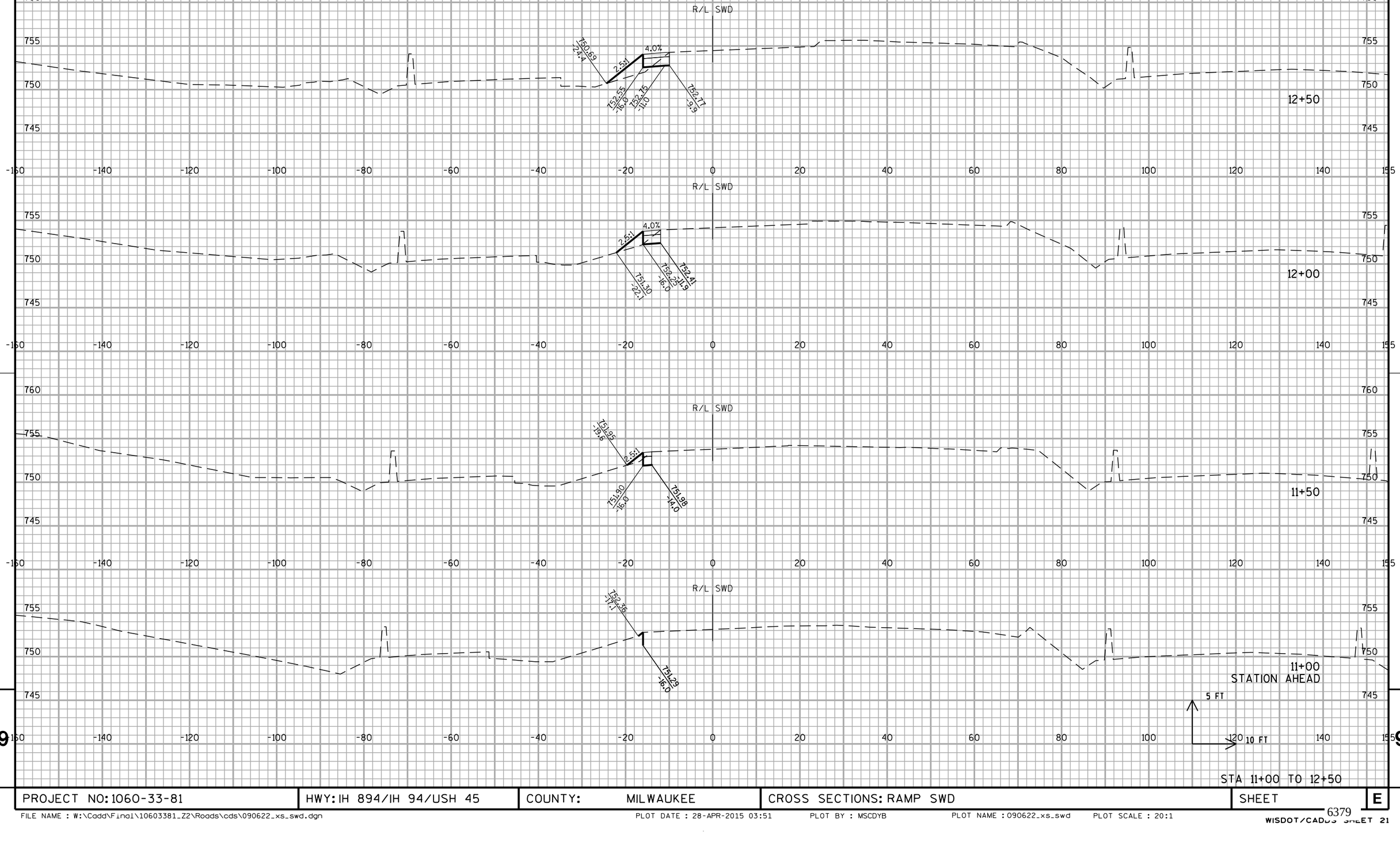
ALL WORK STAGE 2



STA 13+36 TO 13+36

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWC	SHEET	E

ALL WORK STAGE 5

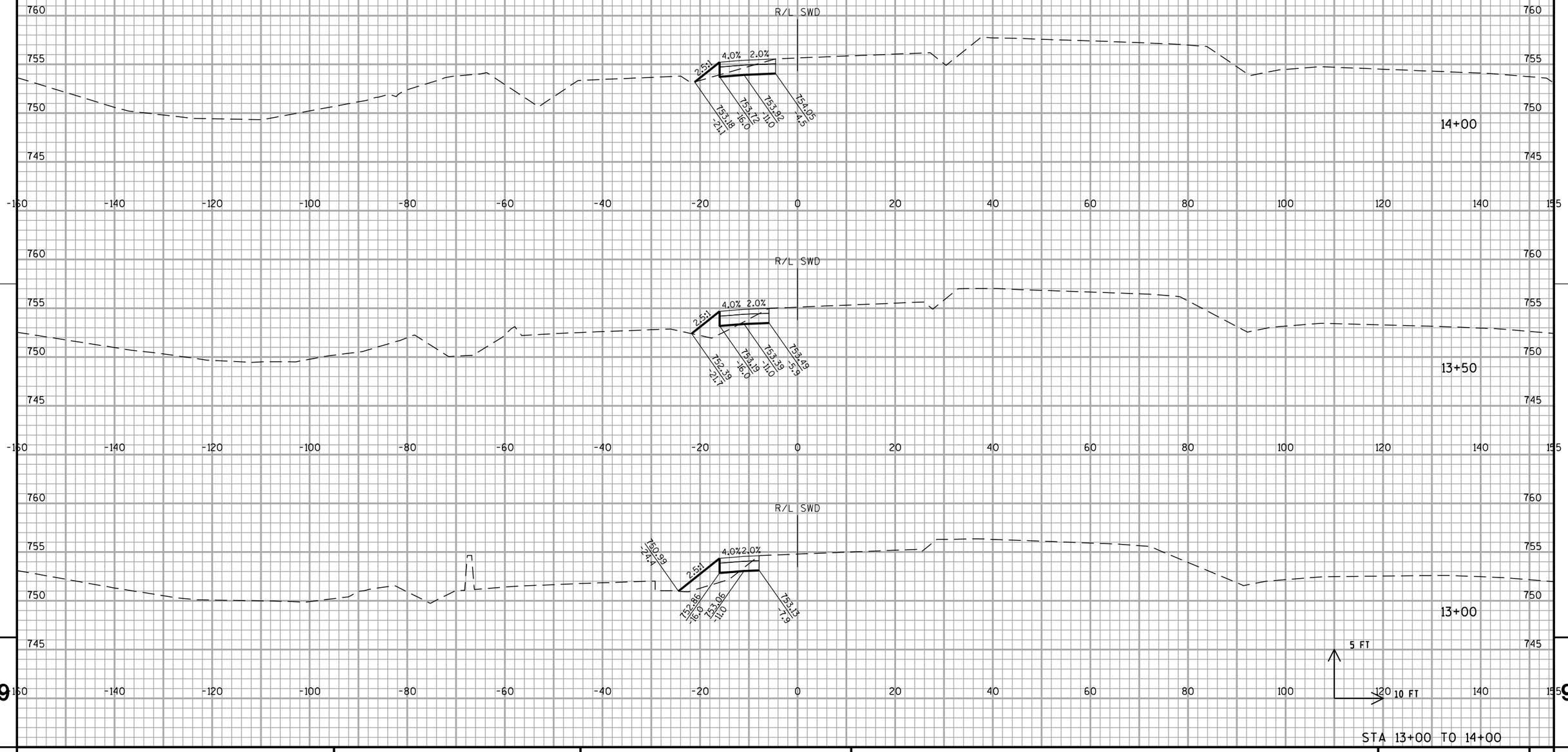


STA 11+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090622_xs_swd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090622_xs_swd PLOT SCALE : 20:1

ALL WORK STAGE 5

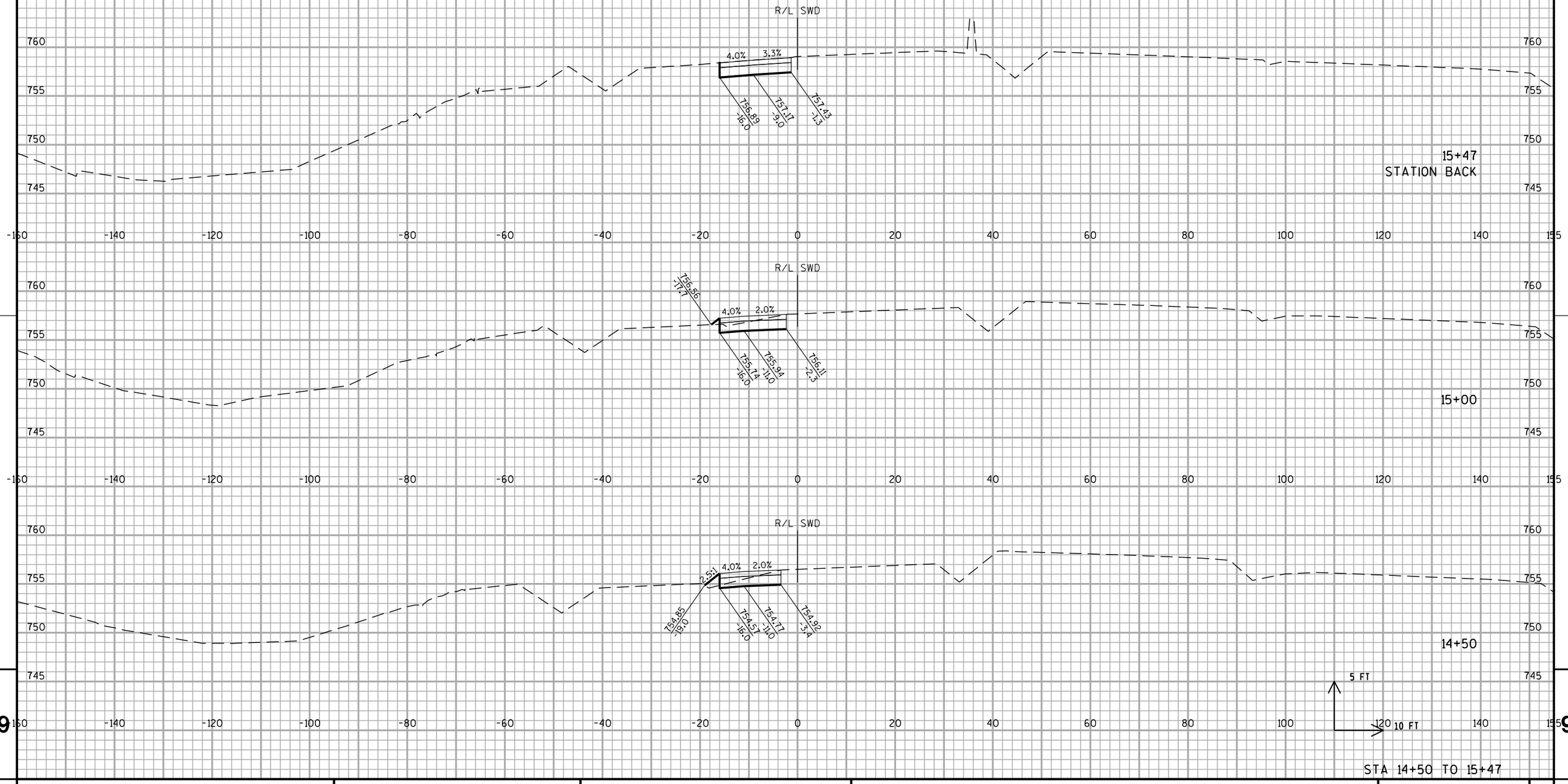


STA 13+00 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWD	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090622_xs_swd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090622_xs_swd1 PLOT SCALE : 20:1

ALL WORK STAGE 5



STA 14+50 TO 15+47

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SWD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090622_xs_swd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090622_xs_swd2 PLOT SCALE : 20:1

ALL WORK STAGE 3

9

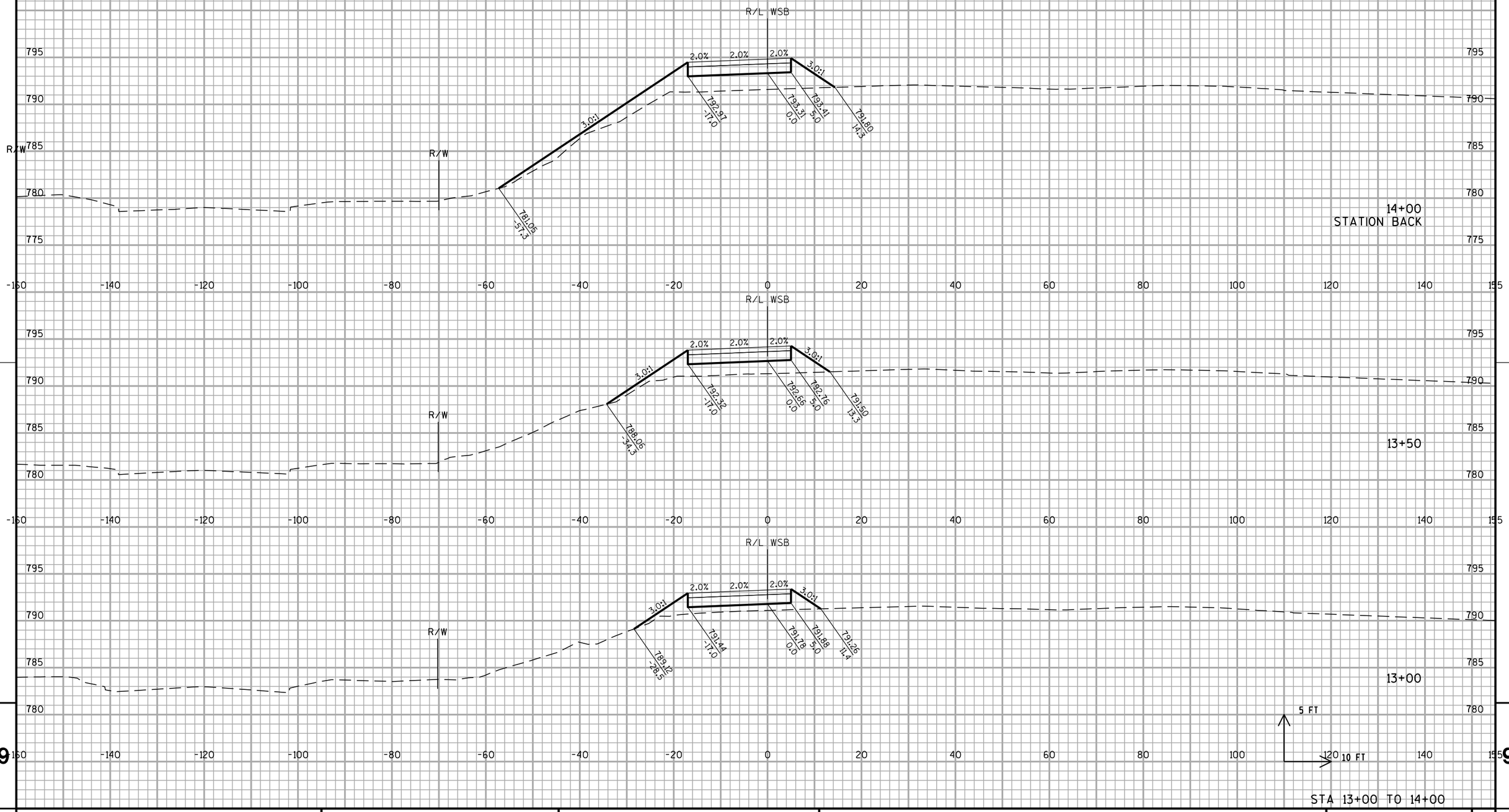
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSB	SHEET	E

STA 11+00 TO 12+50

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090623_xs_wsb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090623_xs_wsb PLOT SCALE : 20:1

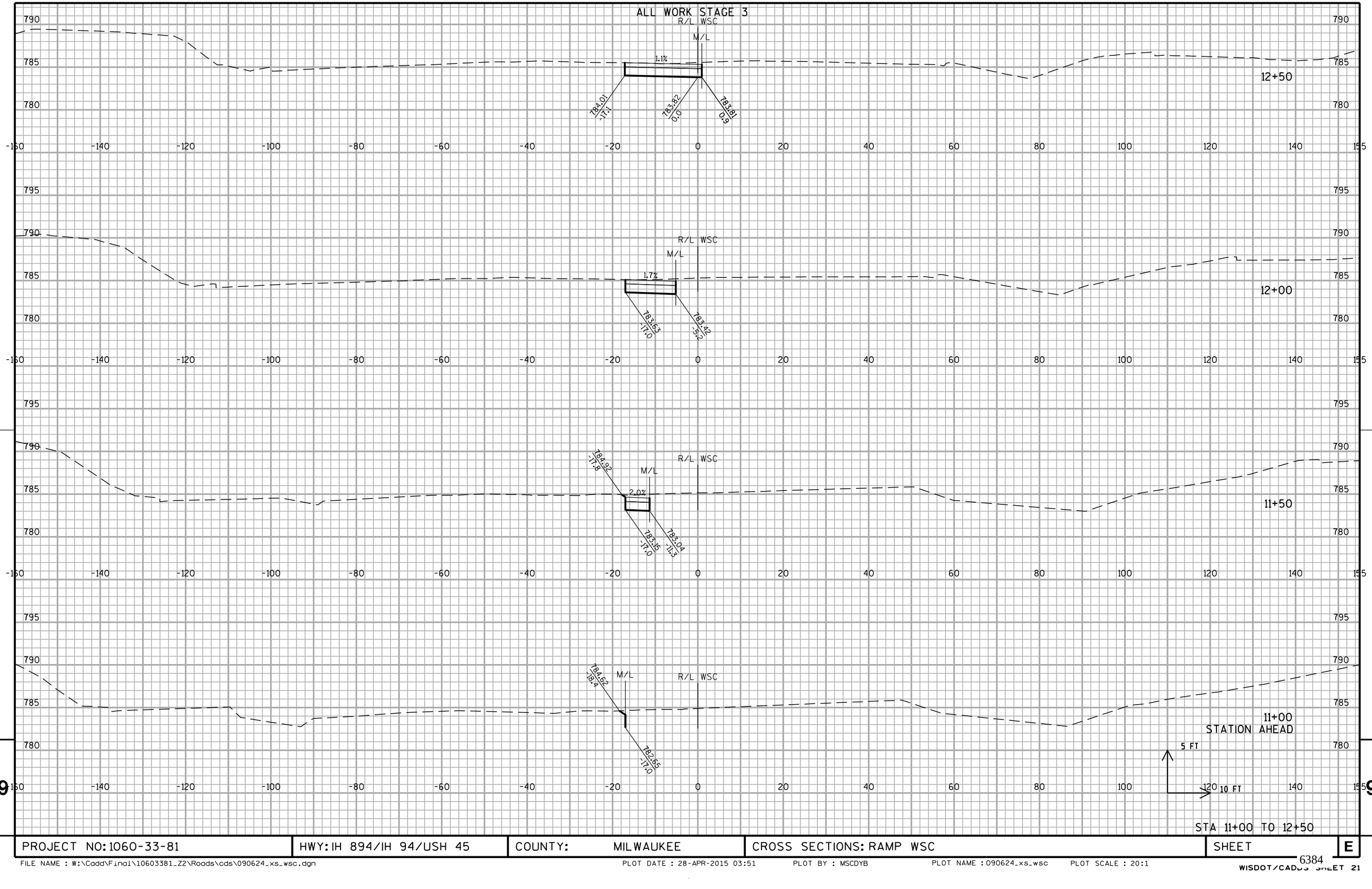
ALL WORK STAGE 3



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSB	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090623_xs_wsb.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090623_xs_wsb1 PLOT SCALE : 20:1

ALL WORK STAGE 3



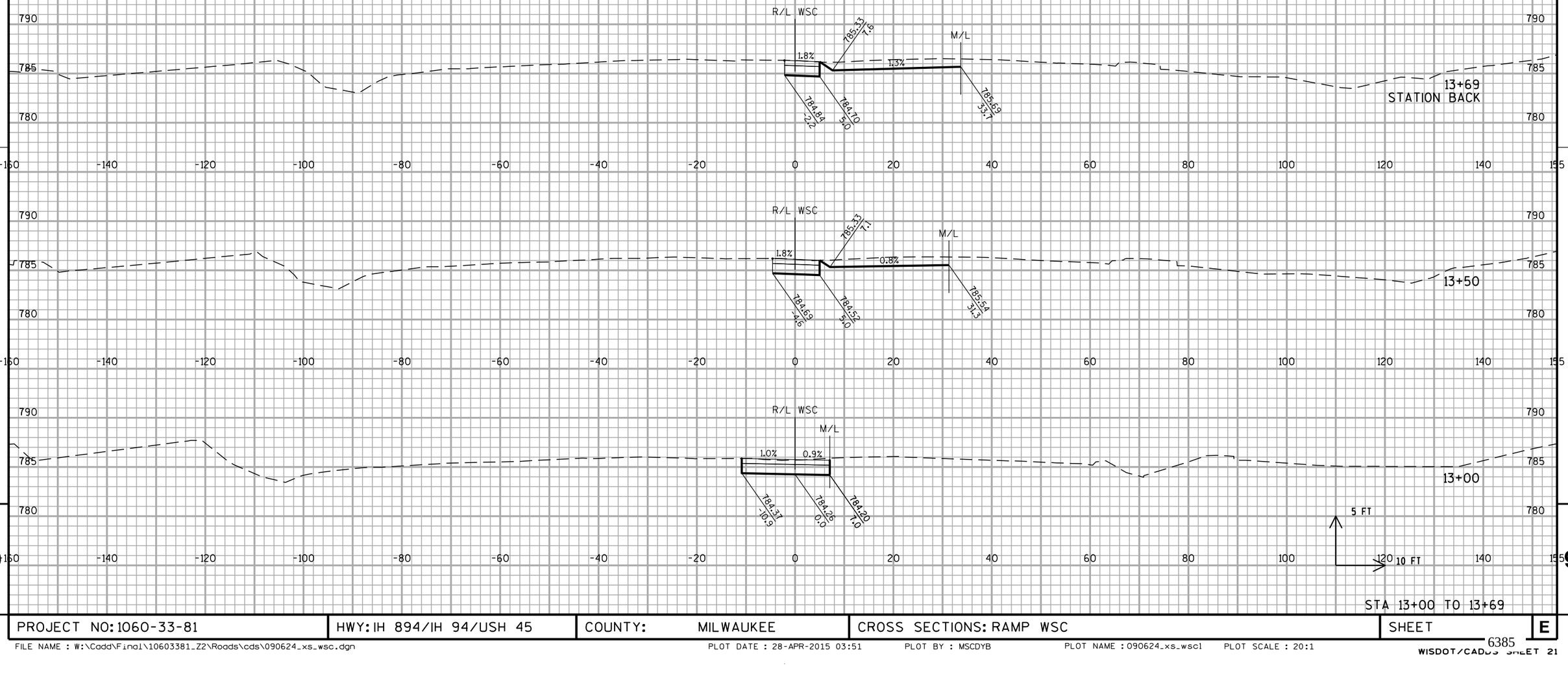
STA 11+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSC	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090624_xs_wsc.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090624_xs_wsc PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

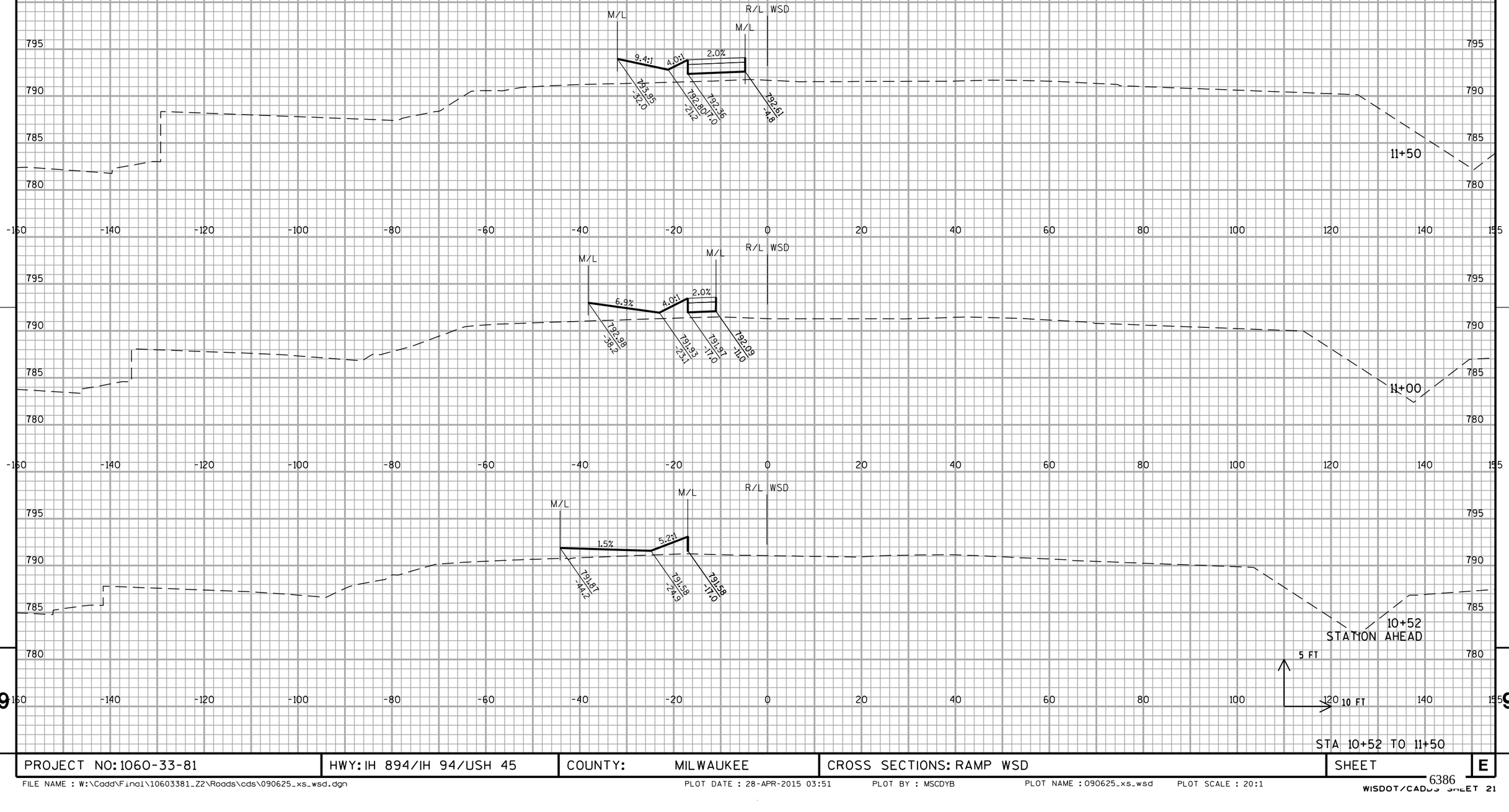


STA 13+00 TO 13+69

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090624_xs_wsc.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090624_xs_wsc1 PLOT SCALE : 20:1

ALL WORK STAGE 6

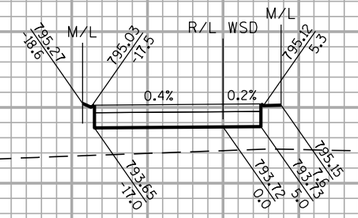


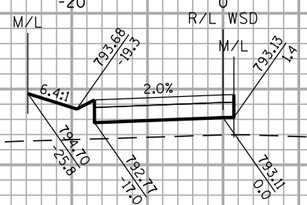
STA 10+52 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090625_xs_wsd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090625_xs_wsd PLOT SCALE : 20:1

ALL WORK STAGE 6





800 795 790 785 780 775

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

12+50

12+00

5 FT

10 FT

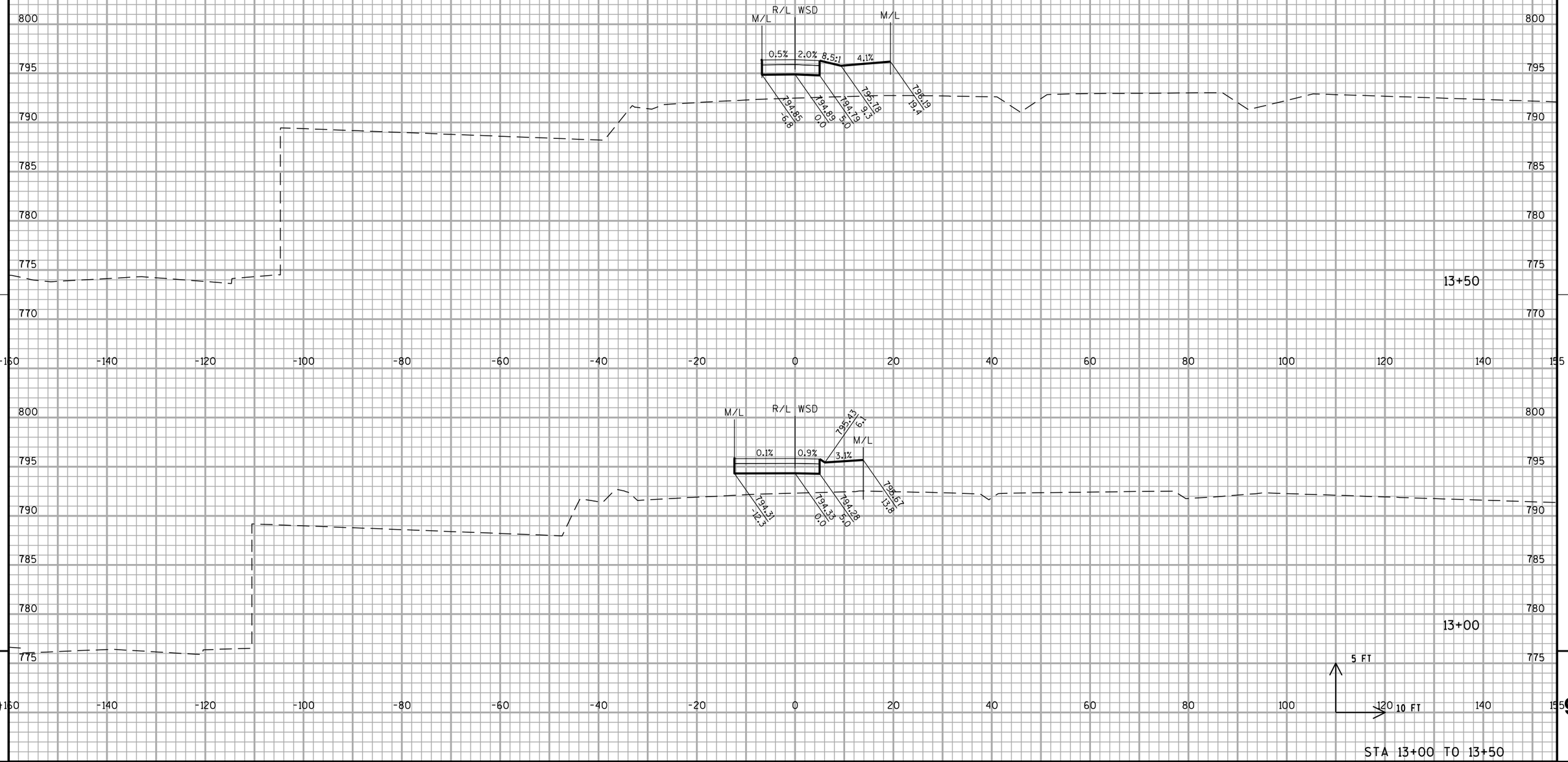
STA 12+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090625_xs_wsd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090625_xs_wsd1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

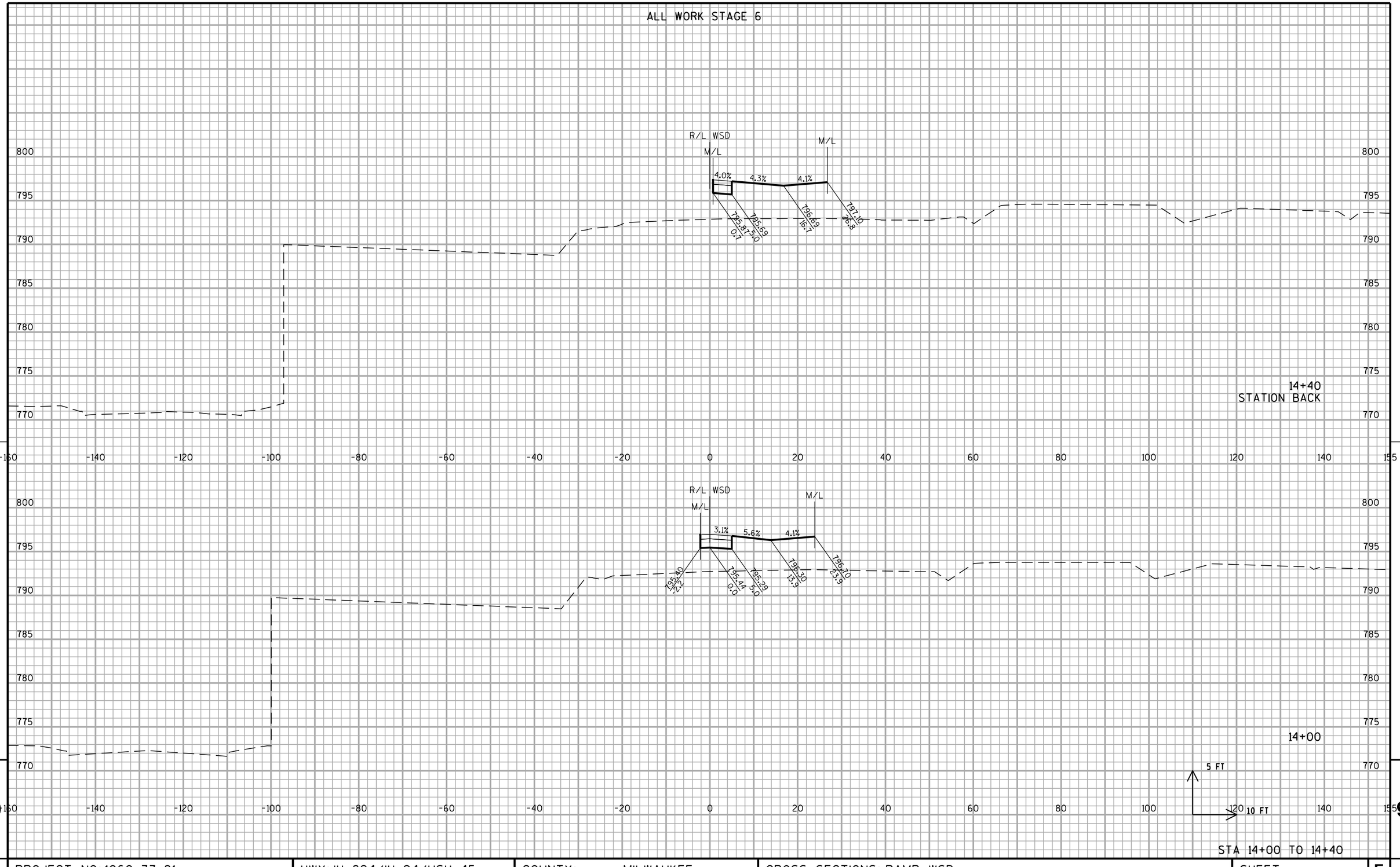


STA 13+00 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090625_xs_wsd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090625_xs_wsd2 PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 14+00 TO 14+40

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WSD	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090625_xs_wsd.dgn PLOT DATE : 28-APR-2015 03:51 PLOT BY : MSCDYB PLOT NAME : 090625_xs_wsd3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

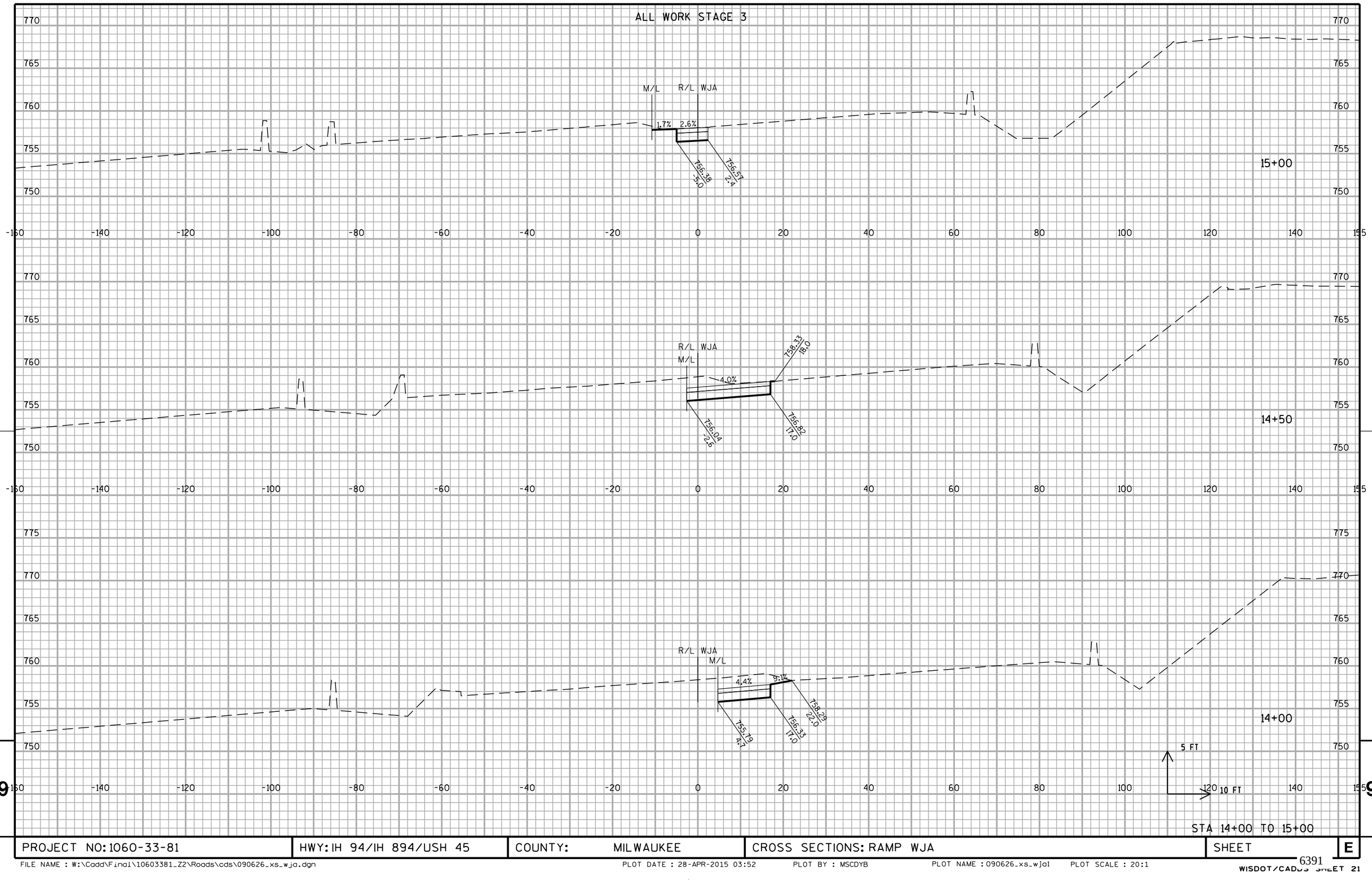
ALL WORK STAGE 3

STA 12+98 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090626_xs_wja.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090626_xs_wja PLOT SCALE : 20:1

ALL WORK STAGE 3

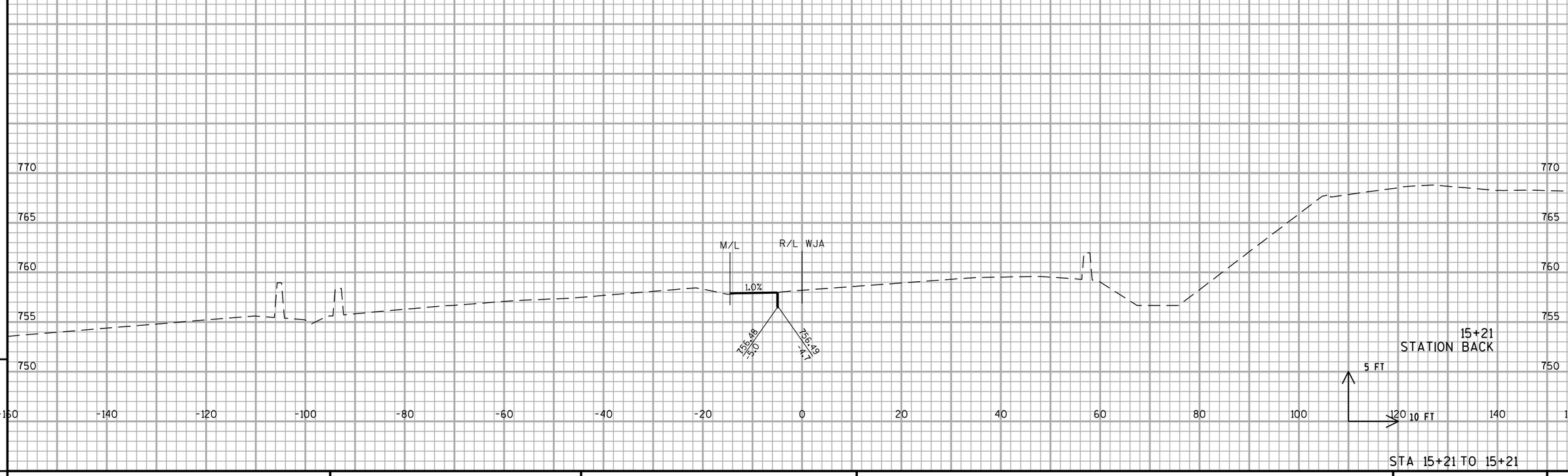


STA 14+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090626_xs_wja.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090626_xs_wja1 PLOT SCALE : 20:1

ALL WORK STAGE 3



STA 15+21 TO 15+21

9

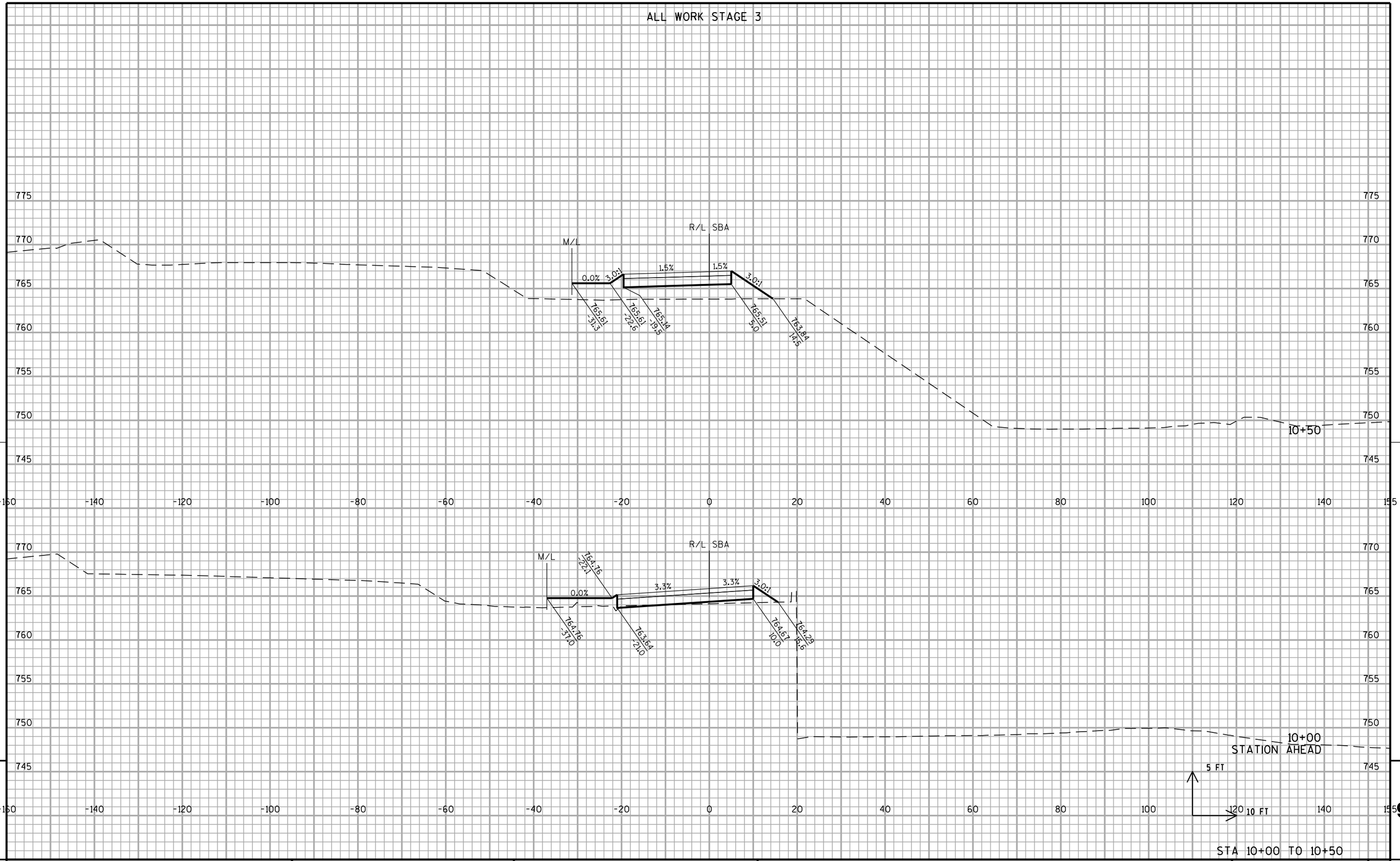
9

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP WJA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090626_xs_wja.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090626_xs_wja2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3

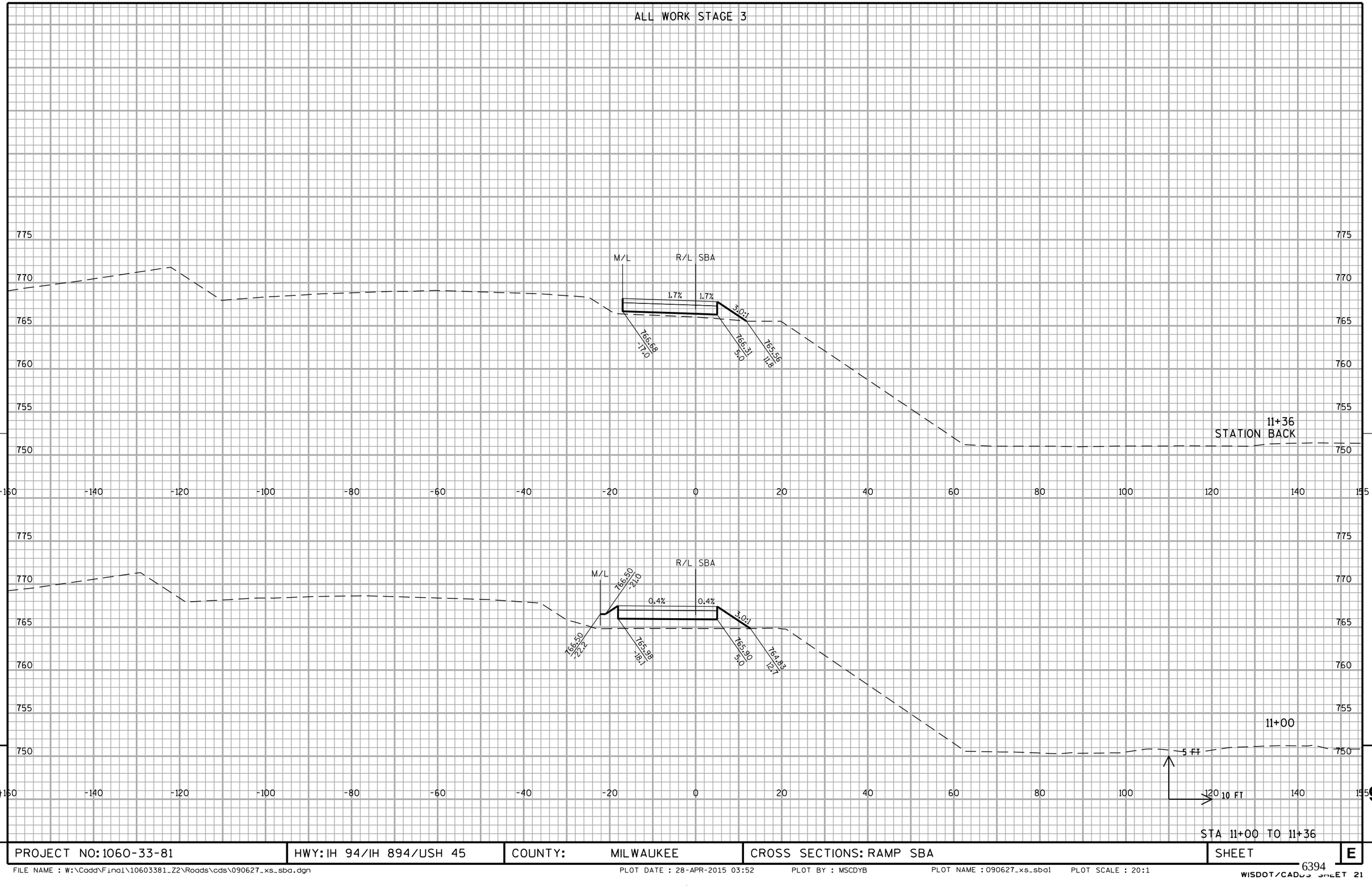


STA 10+00 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SBA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090627_xs_sba.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090627_xs_sba PLOT SCALE : 20:1

ALL WORK STAGE 3

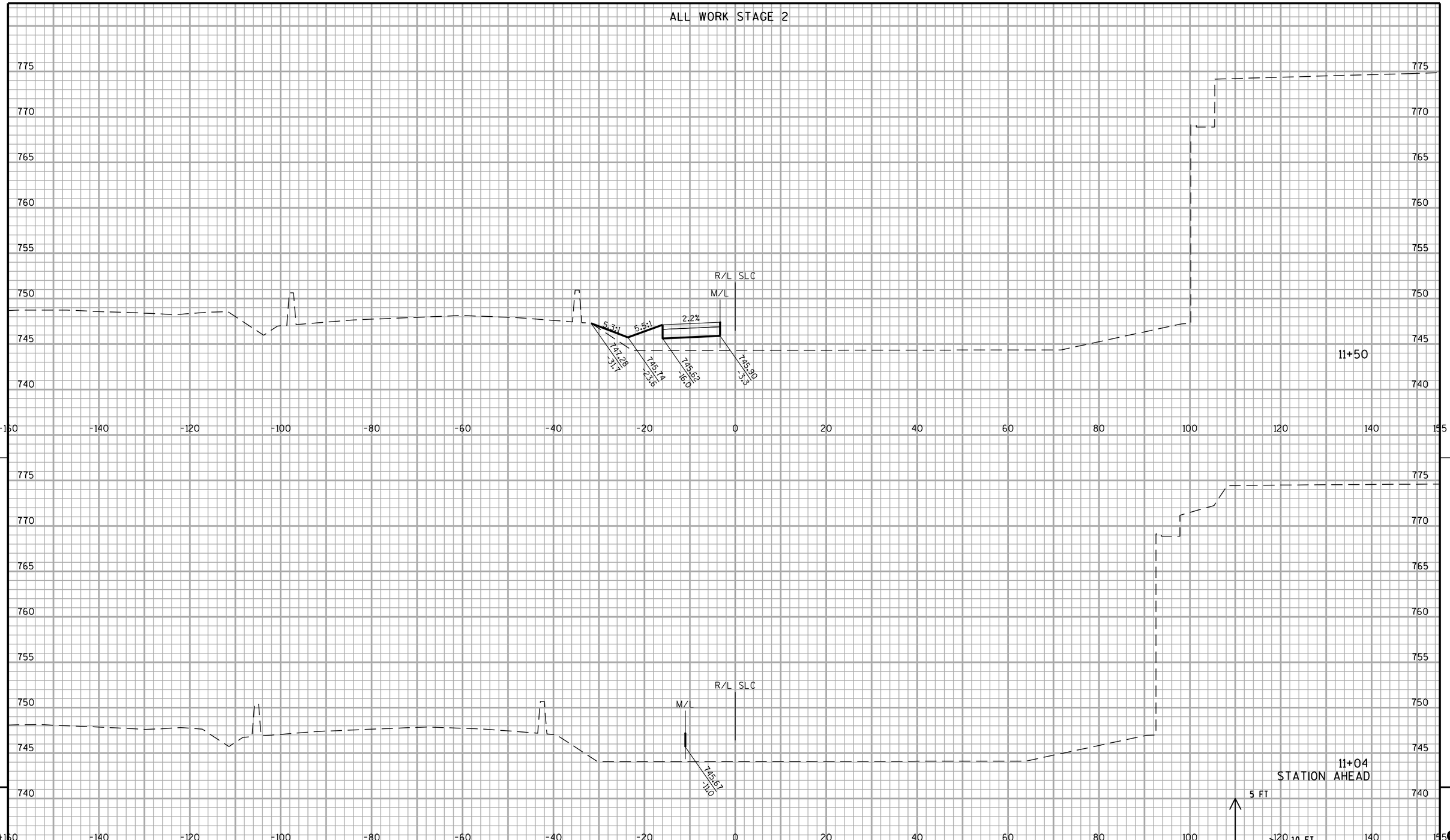


STA 11+00 TO 11+36

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SBA	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090627_xs_sba.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090627_xs_sba1 PLOT SCALE : 20:1

ALL WORK STAGE 2



9

9

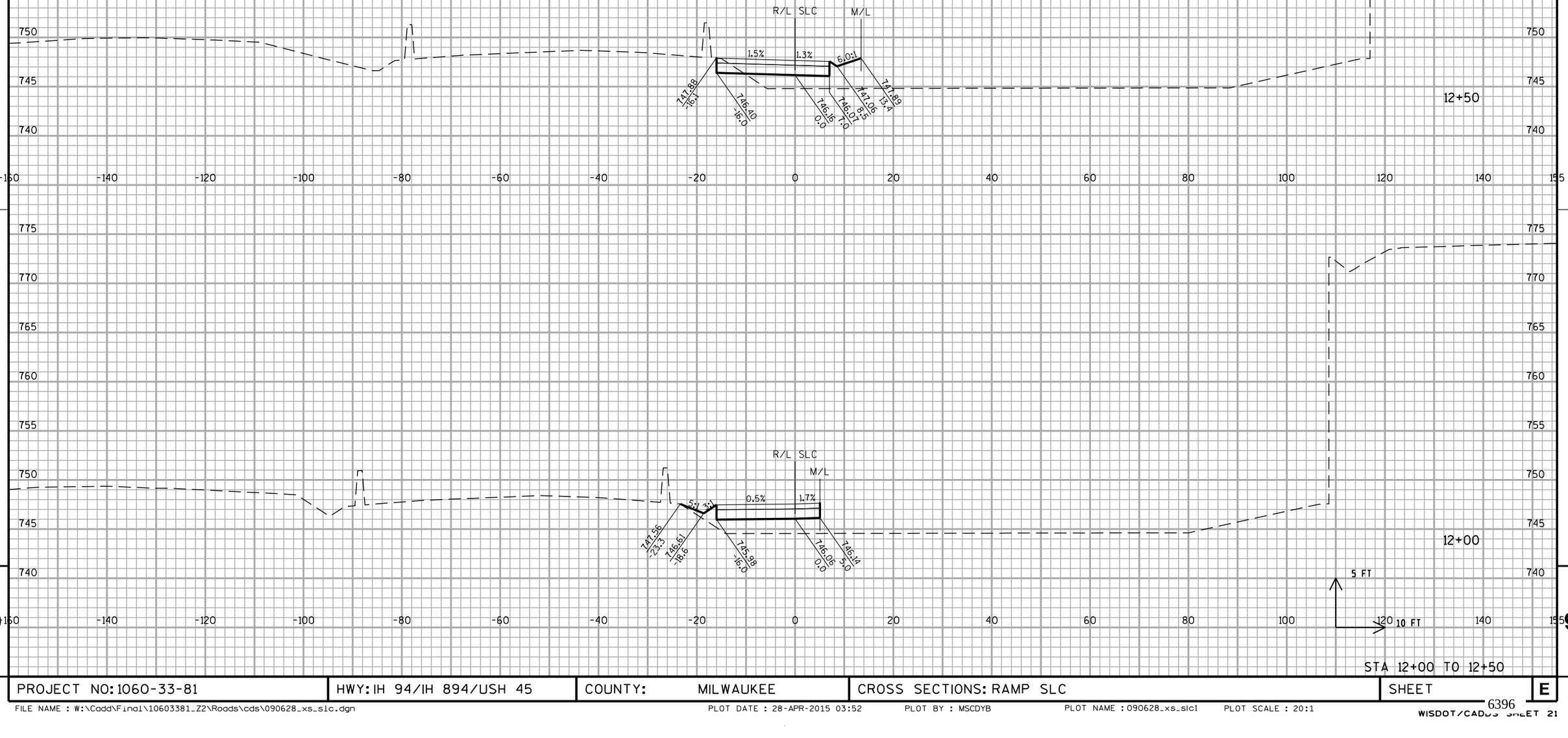
STA 11+04 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SLC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090628_xs_slc.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090628_xs_slc PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

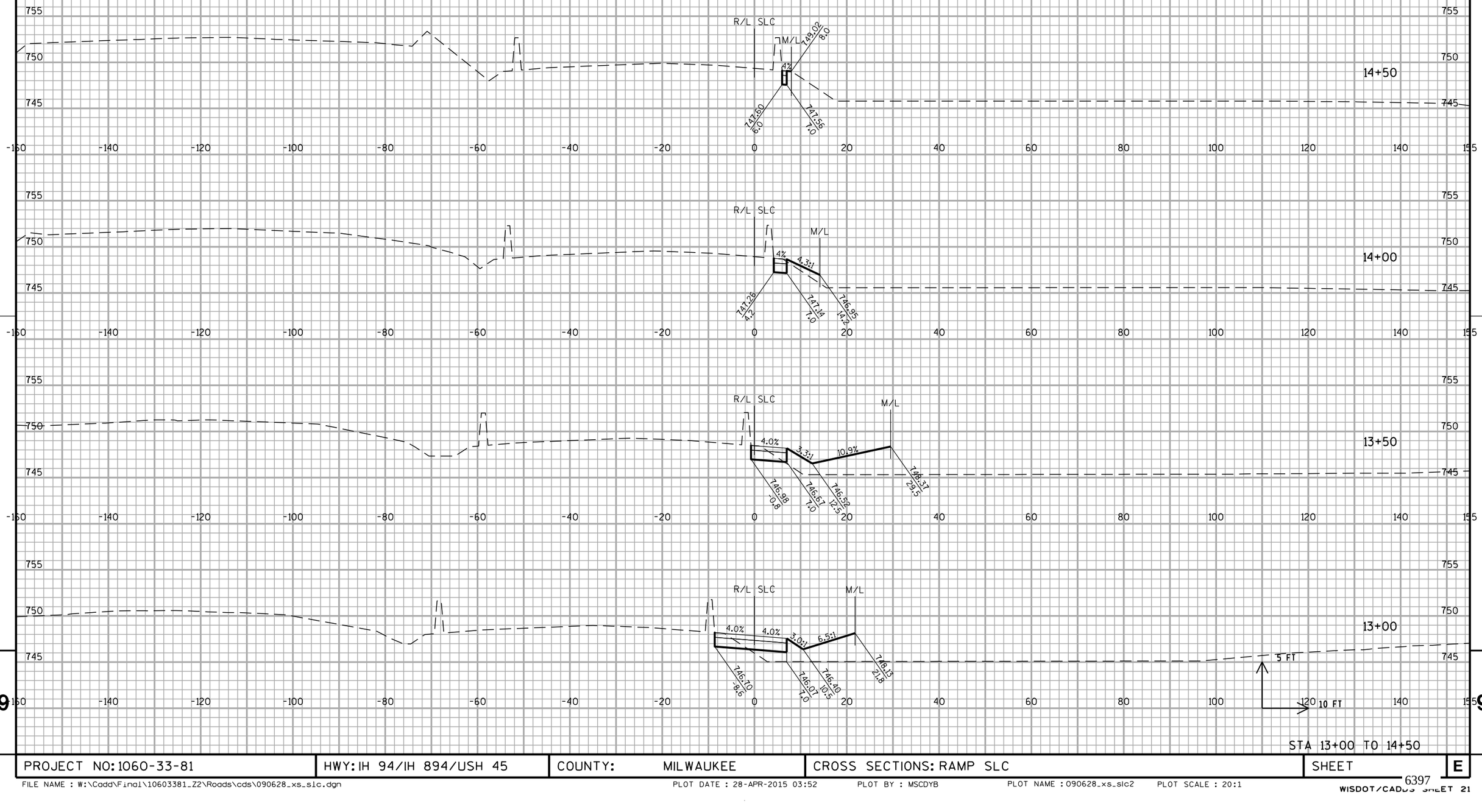


STA 12+00 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SLC	SHEET E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090628_xs_slc.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090628_xs_slc1 PLOT SCALE : 20:1

ALL WORK STAGE 2

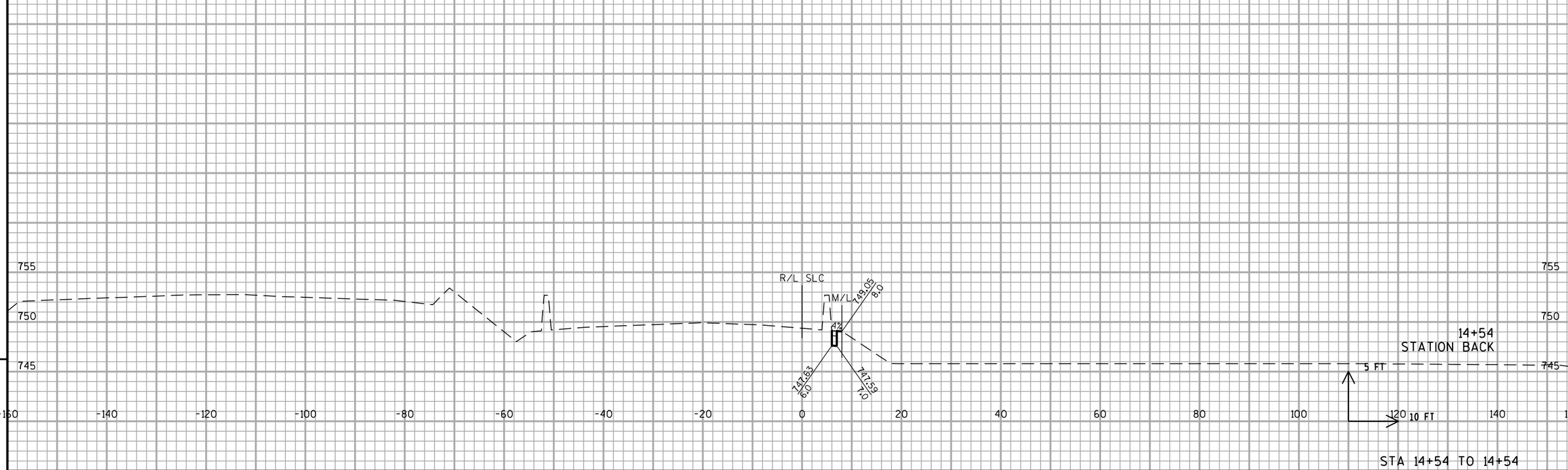


STA 13+00 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SLC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090628_xs_slc.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090628_xs_slc2 PLOT SCALE : 20:1

ALL WORK STAGE 2

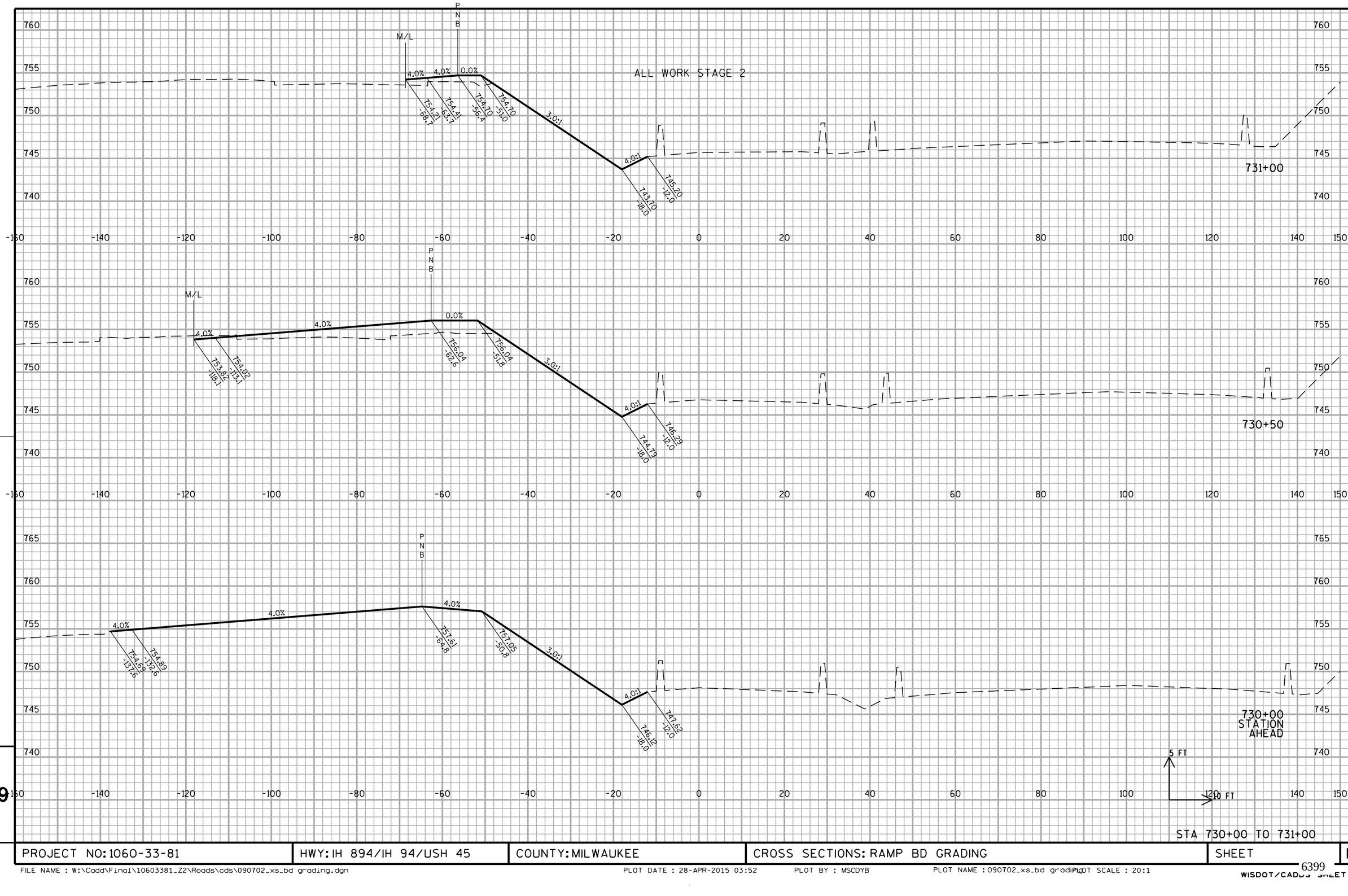


STA 14+54 TO 14+54

PROJECT NO: 1060-33-81	HWY: IH 94/IH 894/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP SLC	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090628_xs_slc.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090628_xs_slc3 PLOT SCALE : 20:1

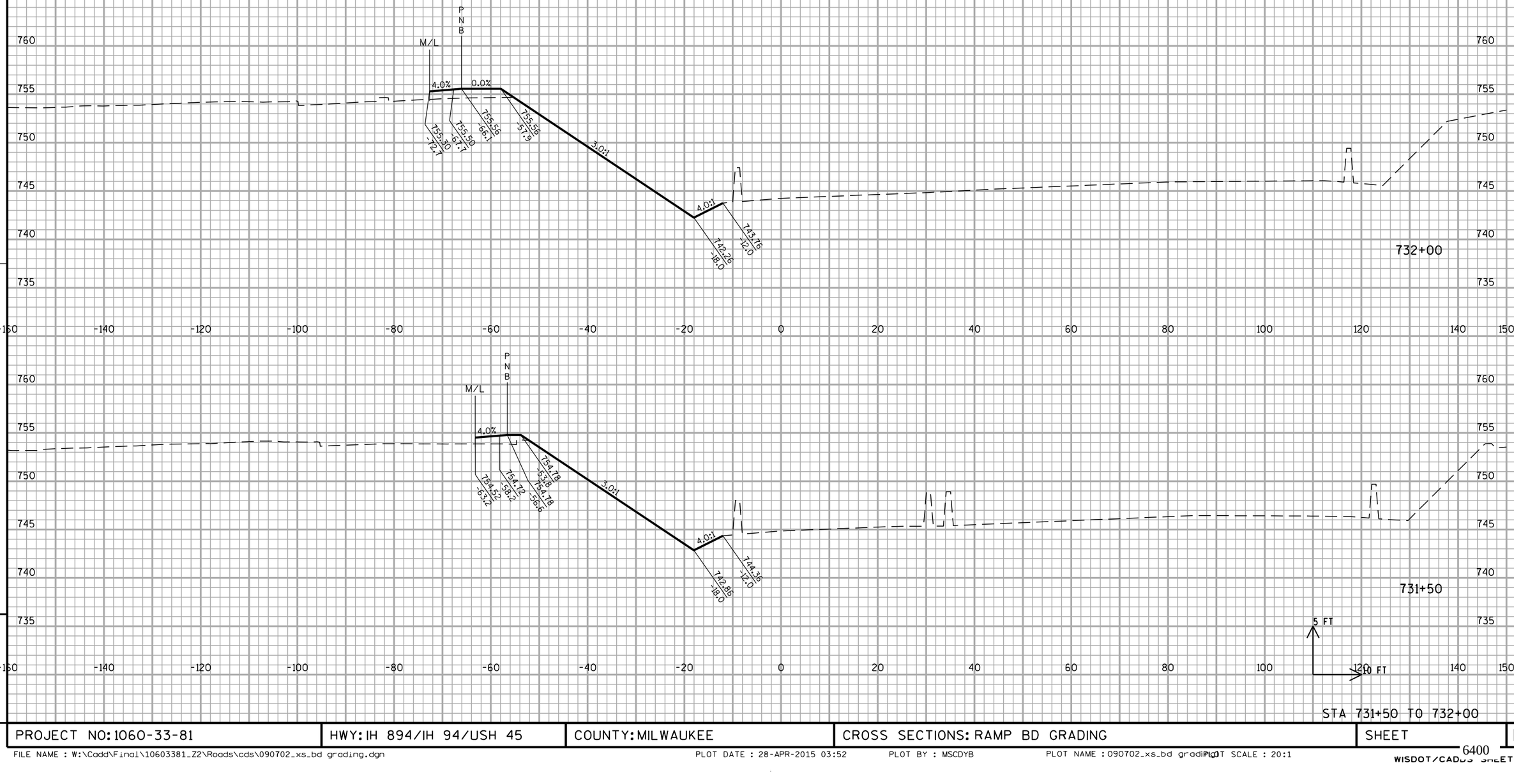
ALL WORK STAGE 2



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090702_xs_bd grading.dgn
PLOT DATE : 28-APR-2015 03:52
PLOT BY : MSCDYB
PLOT NAME : 090702_xs_bd grading.pl
PLOT SCALE : 20:1

ALL WORK STAGE 2



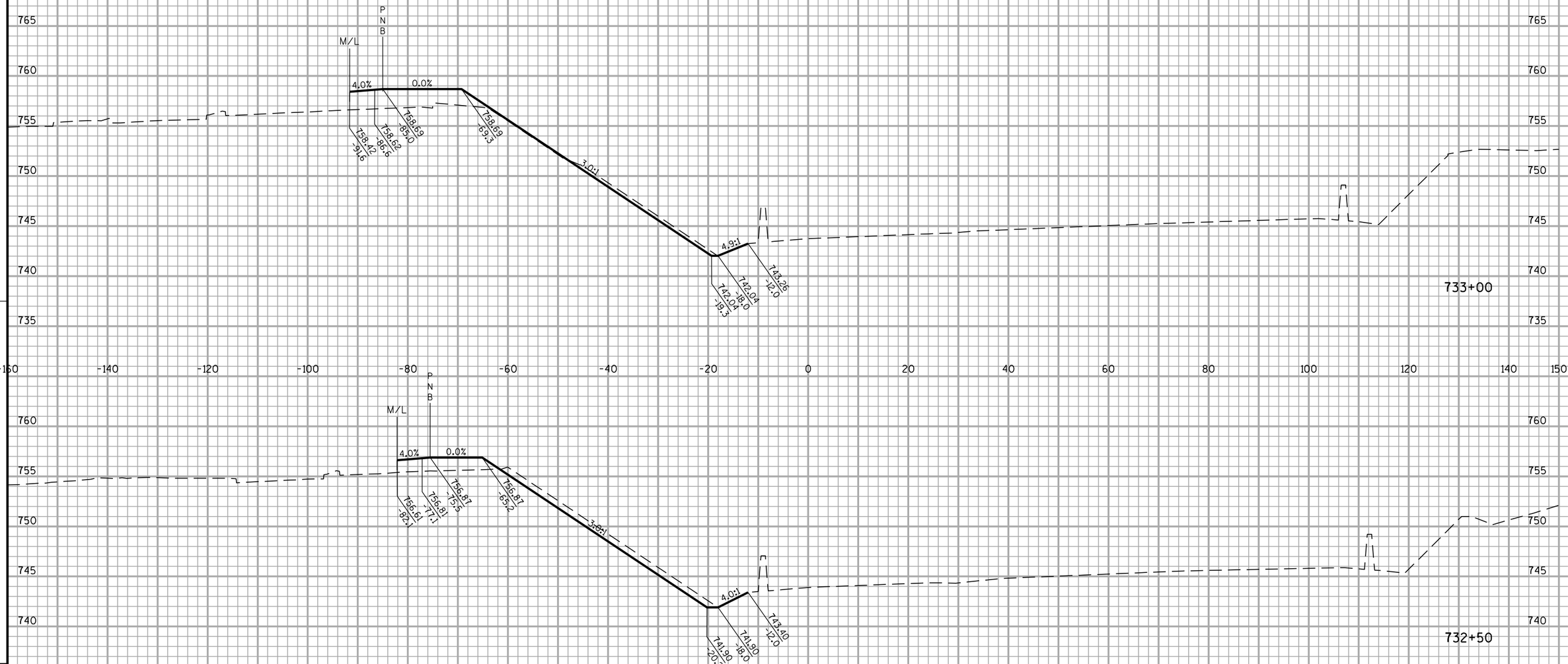
9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BD GRADING	SHEET	E

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090702_xs_bd grading.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090702_xs_bd grading.dgn PLOT SCALE : 20:1

ALL WORK STAGE 2



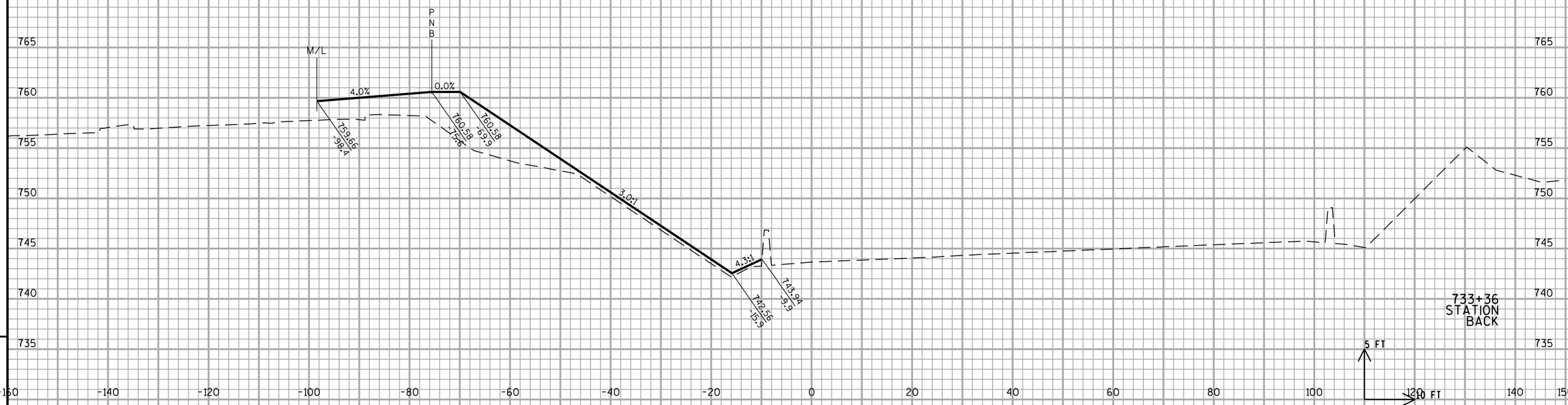
STA 732+50 TO 733+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090702_xs_bd grading.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090702_xs_bd grading.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

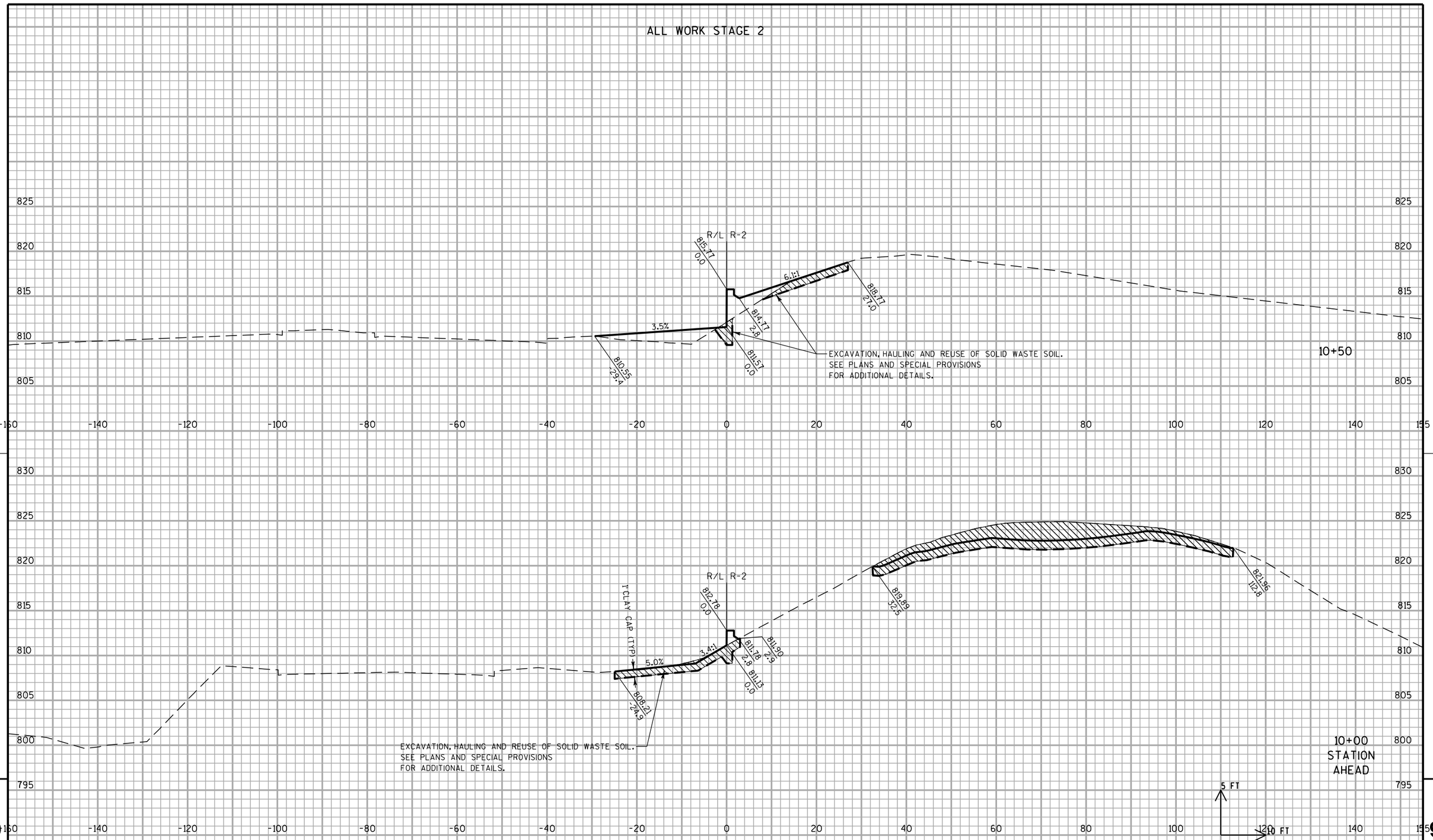


STA 733+36 TO 733+36

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090702_xs_bd grading.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090702_xs_bd grading.dgn PLOT SCALE : 20:1

ALL WORK STAGE 2



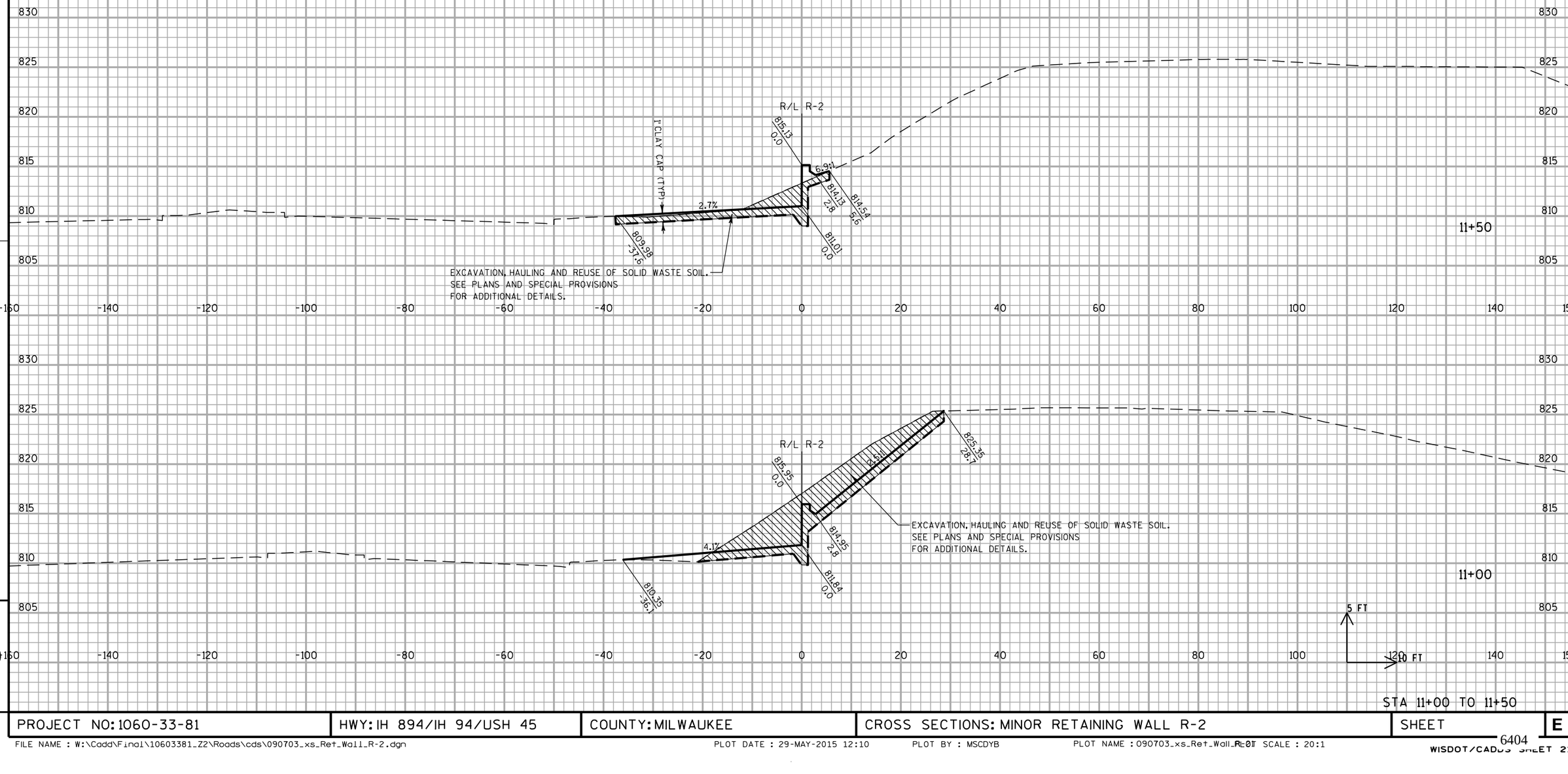
STA 10+00 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: MINOR RETAINING WALL R-2	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090703_xs_Ret_Wall_R-2.dgn PLOT DATE : 29-MAY-2015 12:10 PLOT BY : MSCDYB PLOT NAME : 090703_xs_Ret_Wall_R-2.PLT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

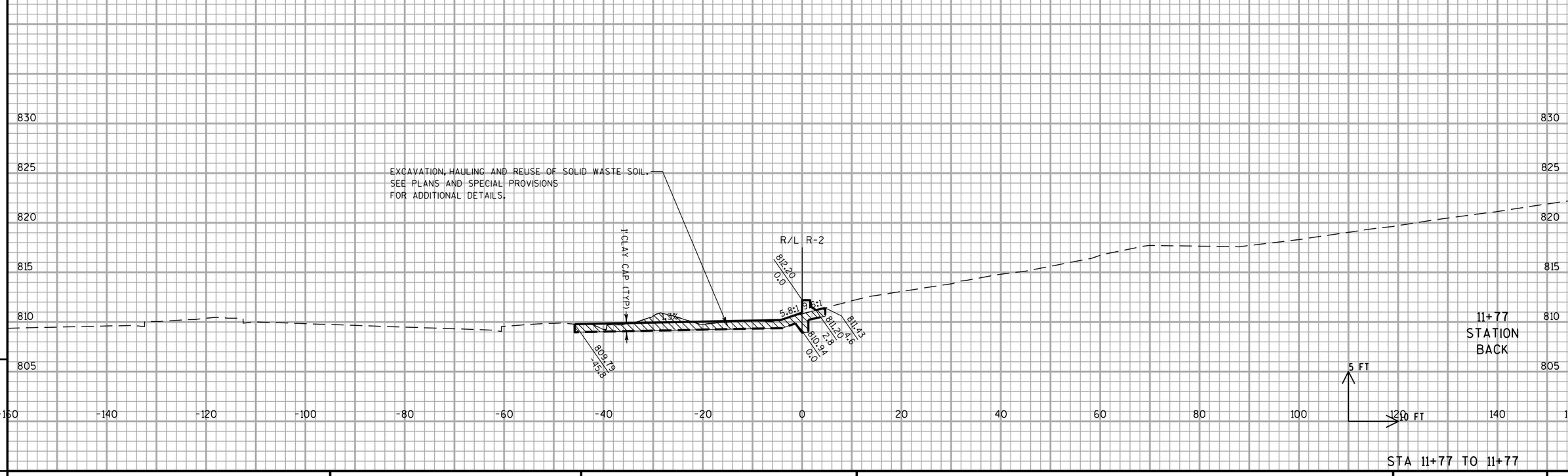


STA 11+00 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: MINOR RETAINING WALL R-2	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090703_xs_Ret_Wall_R-2.dgn PLOT DATE : 29-MAY-2015 12:10 PLOT BY : MSCDYB PLOT NAME : 090703_xs_Ret_Wall_R-2.PLT SCALE : 20:1
WISDOT/CADDS SHEET 21

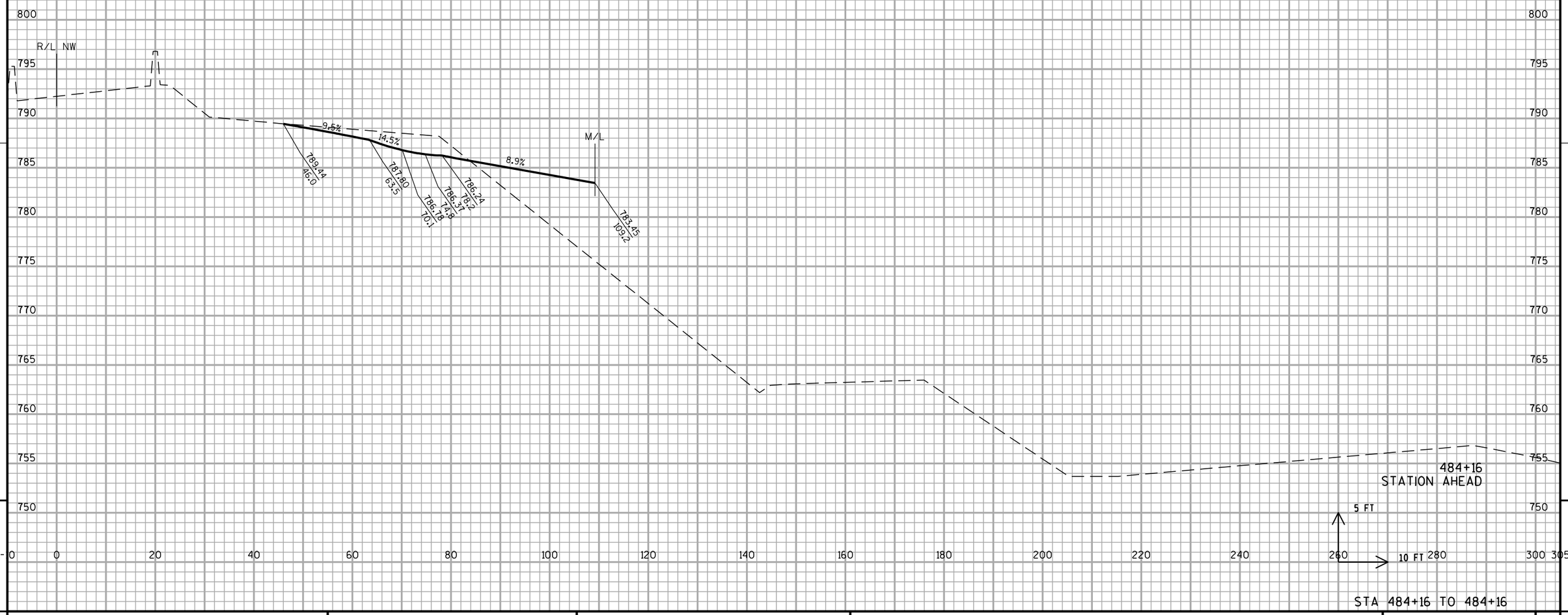
ALL WORK STAGE 2



STA 11+77 TO 11+77

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: MINOR RETAINING WALL R-2	SHEET	E

ALL WORK STAGE 6

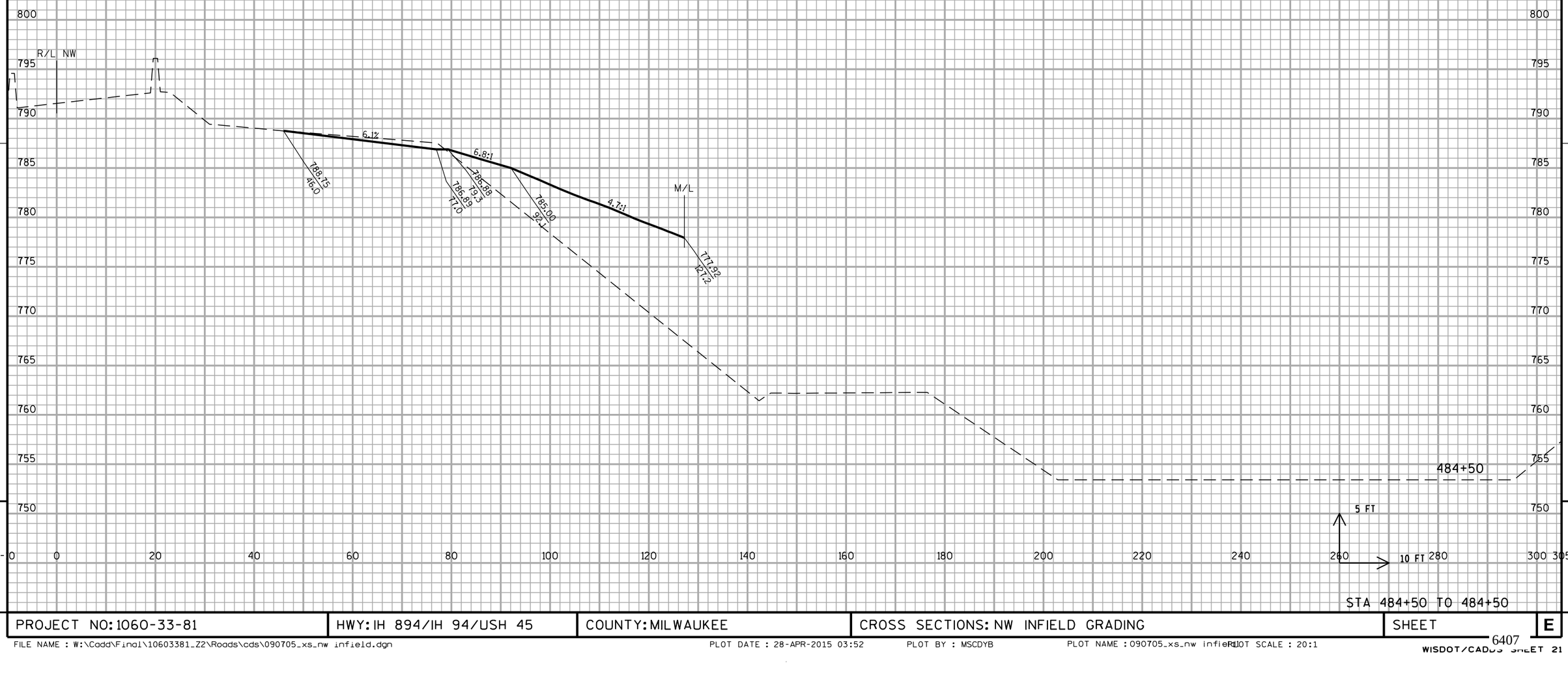


STA 484+16 TO 484+16

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield PLOT SCALE : 20:1

ALL WORK STAGE 6

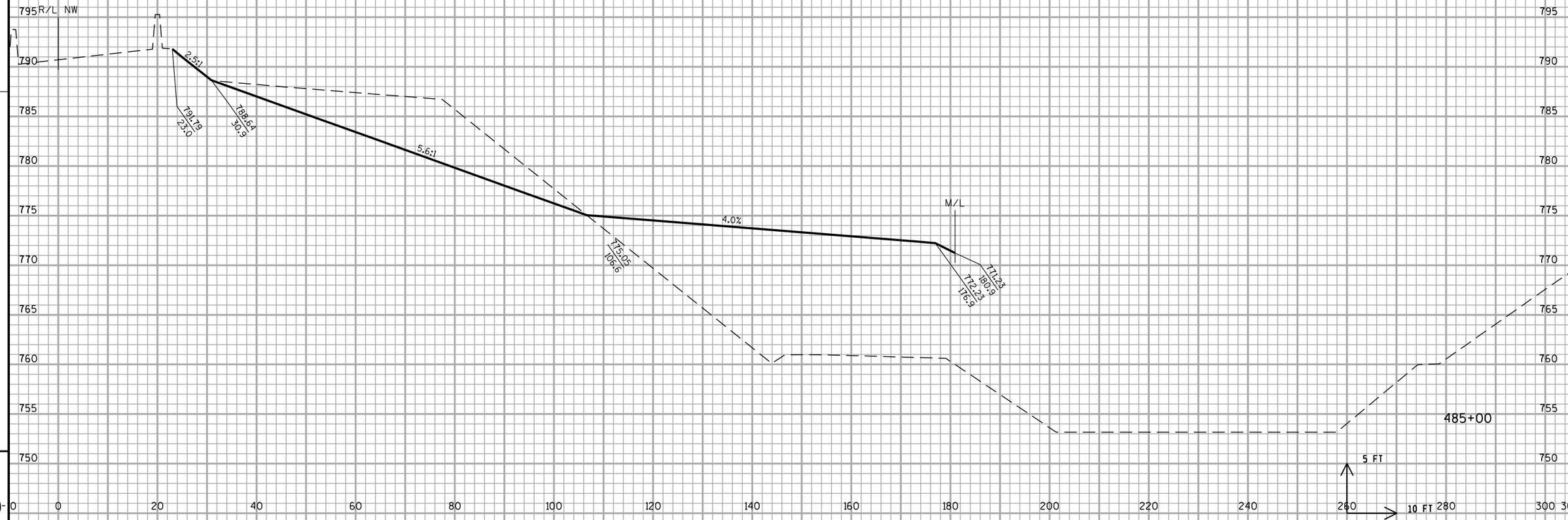


STA 484+50 TO 484+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield PLOT SCALE : 20:1

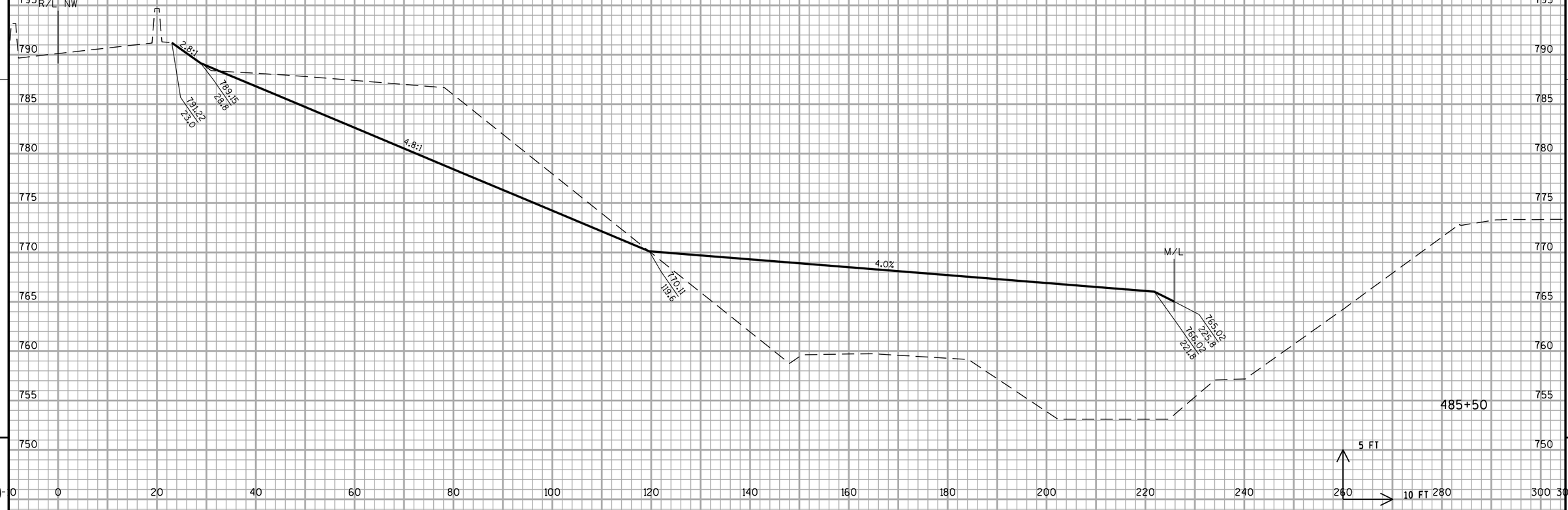
ALL WORK STAGE 6



STA 485+00 TO 485+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

ALL WORK STAGE 6

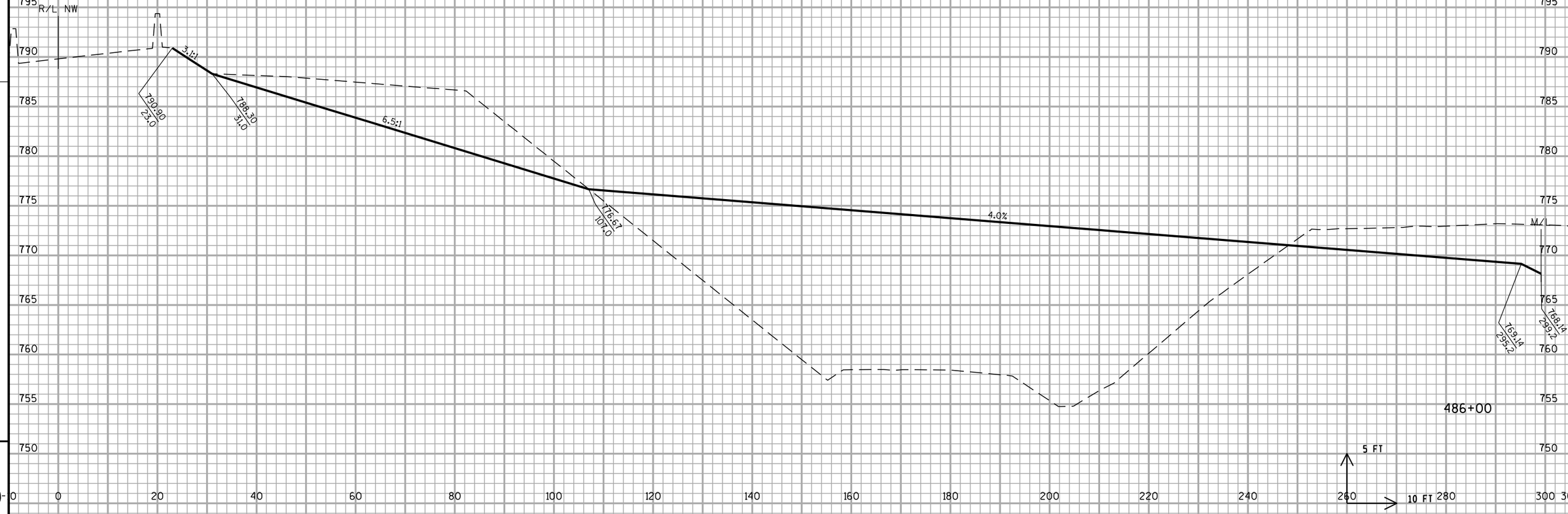


STA 485+50 TO 485+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 486+00 TO 486+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

ALL WORK STAGE 6

R/L NW

3:1

790.84
23.0

788.21
32.7

8.5%

782.36
101.5

4.0%

M/L

4.0:1

775.65
269.3

773.65
277.3

486+50

5 FT

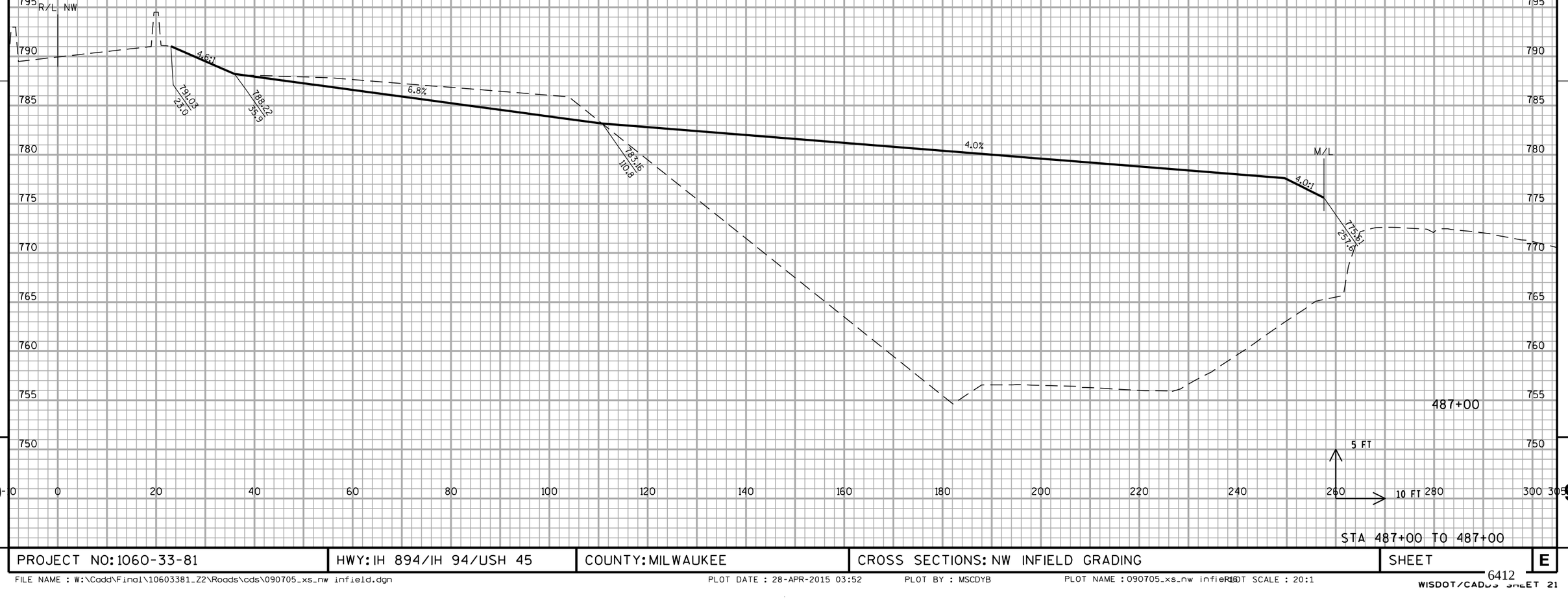
10 FT

STA 486+50 TO 486+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield PLOT SCALE : 20:1

ALL WORK STAGE 6

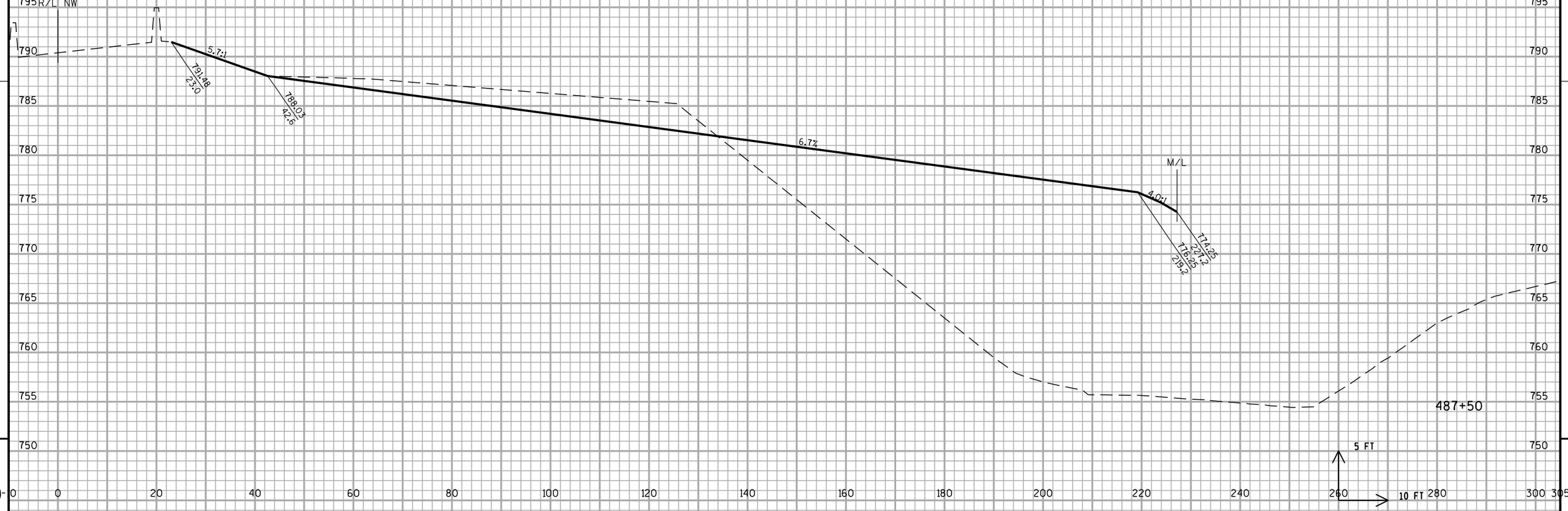


STA 487+00 TO 487+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield PLOT SCALE : 20:1

ALL WORK STAGE 6



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 488+00 TO 488+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



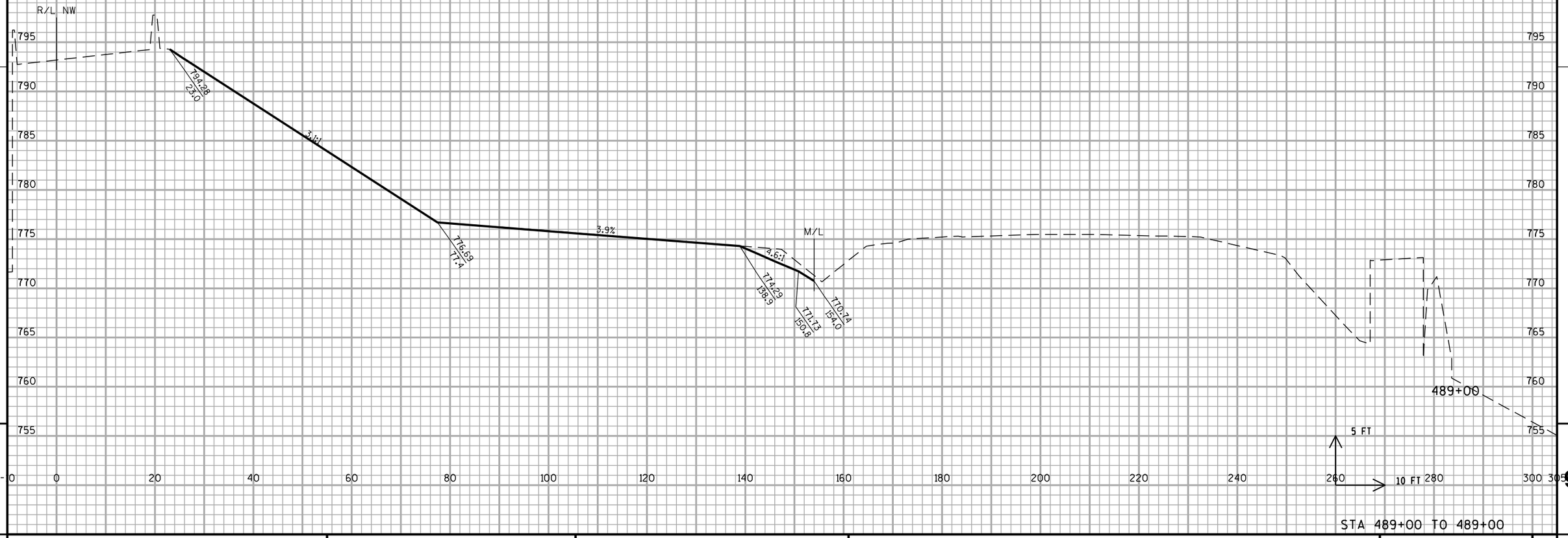
STA 488+50 TO 488+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_NW infield.dgn PLOT DATE : 27-MAY-2015 12:02 PLOT BY : MSCNRS PLOT NAME : 090705_xs_NW infield PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

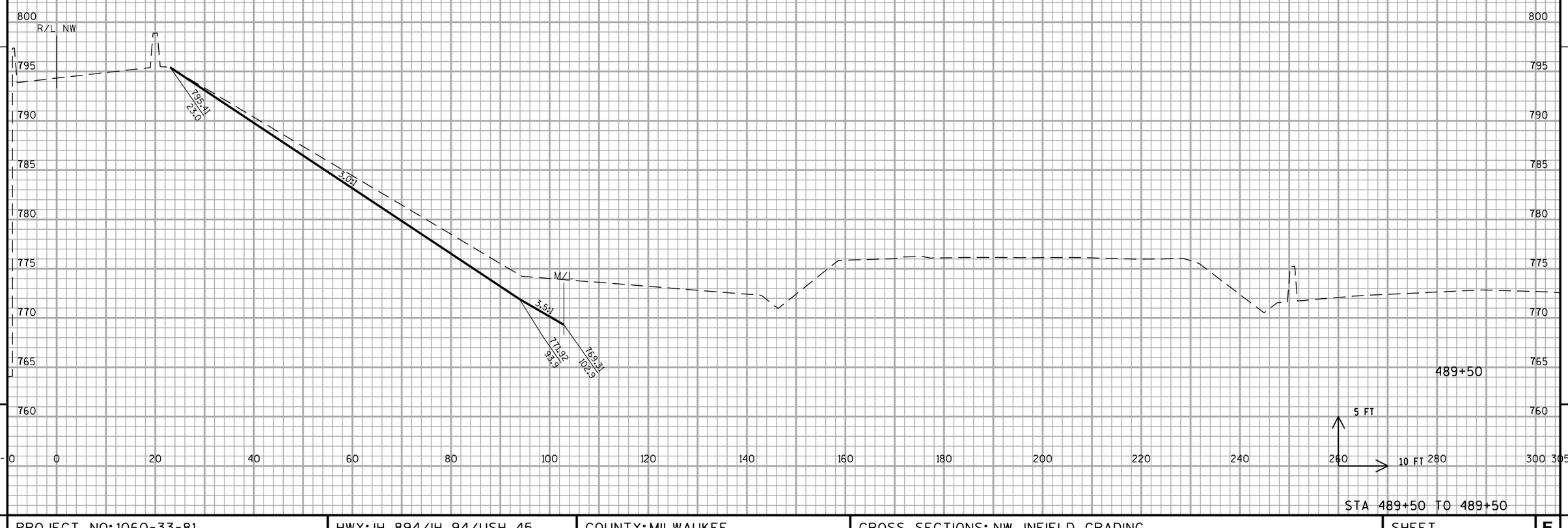


STA 489+00 TO 489+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn
PLOT DATE : 28-APR-2015 03:52
PLOT BY : MSCDYB
PLOT NAME : 090705_xs_nw infield
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

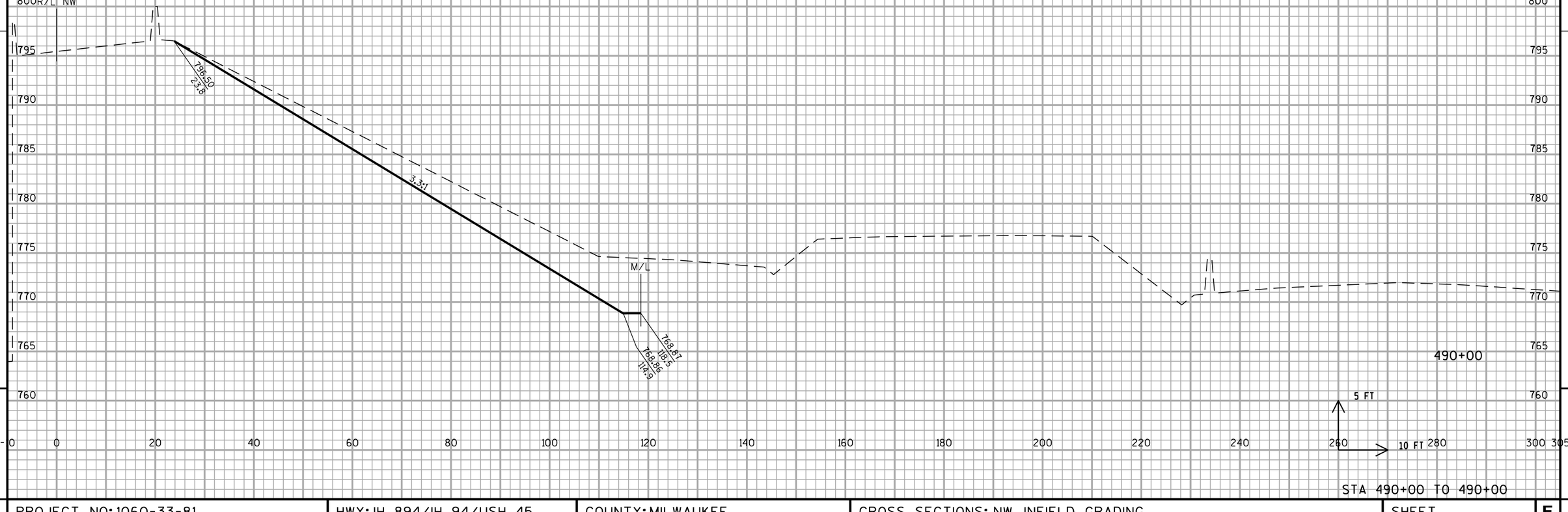


STA 489+50 TO 489+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn
PLOT DATE : 28-APR-2015 03:52
PLOT BY : MSCDYB
PLOT NAME : 090705_xs_nw infield
PLOT SCALE : 20:1

ALL WORK STAGE 6



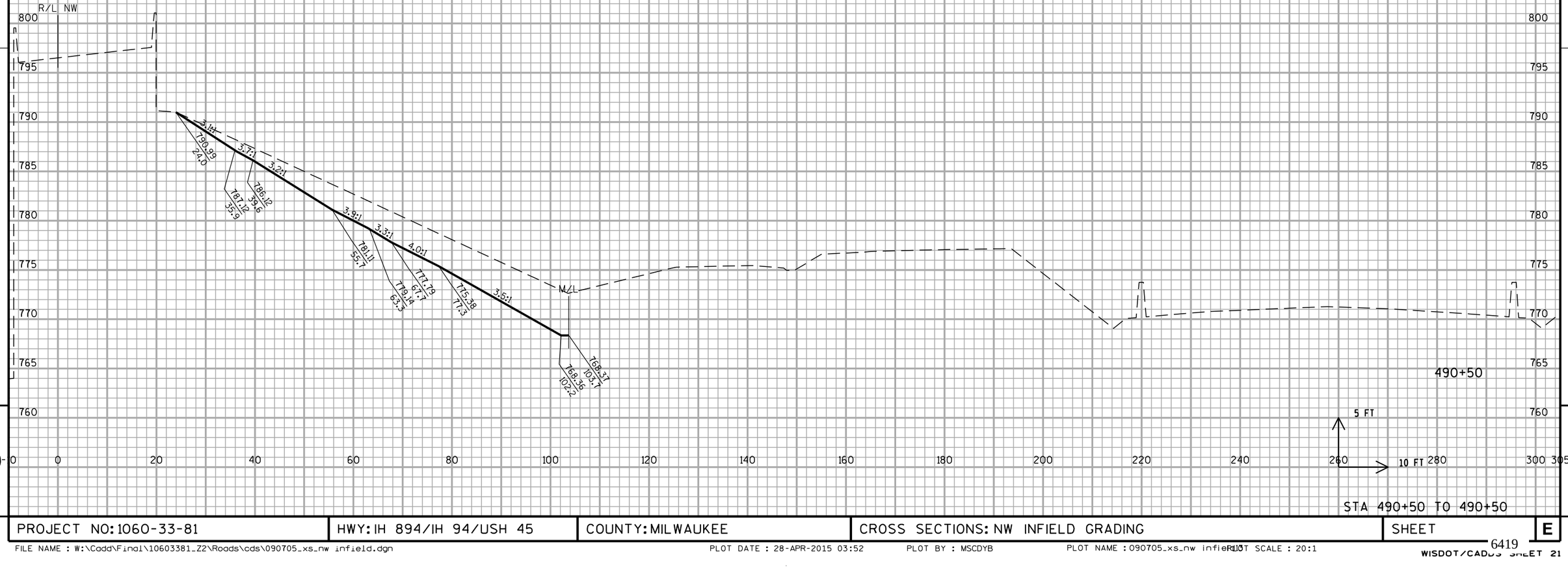
STA 490+00 TO 490+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

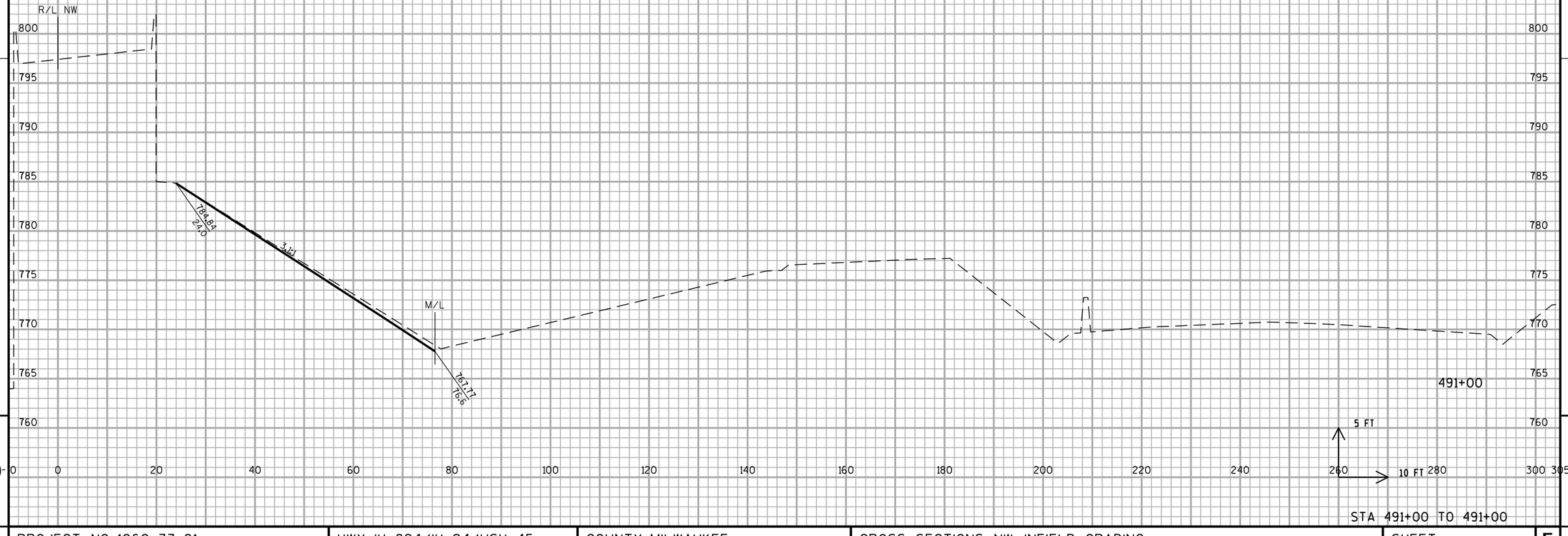


STA 490+50 TO 490+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

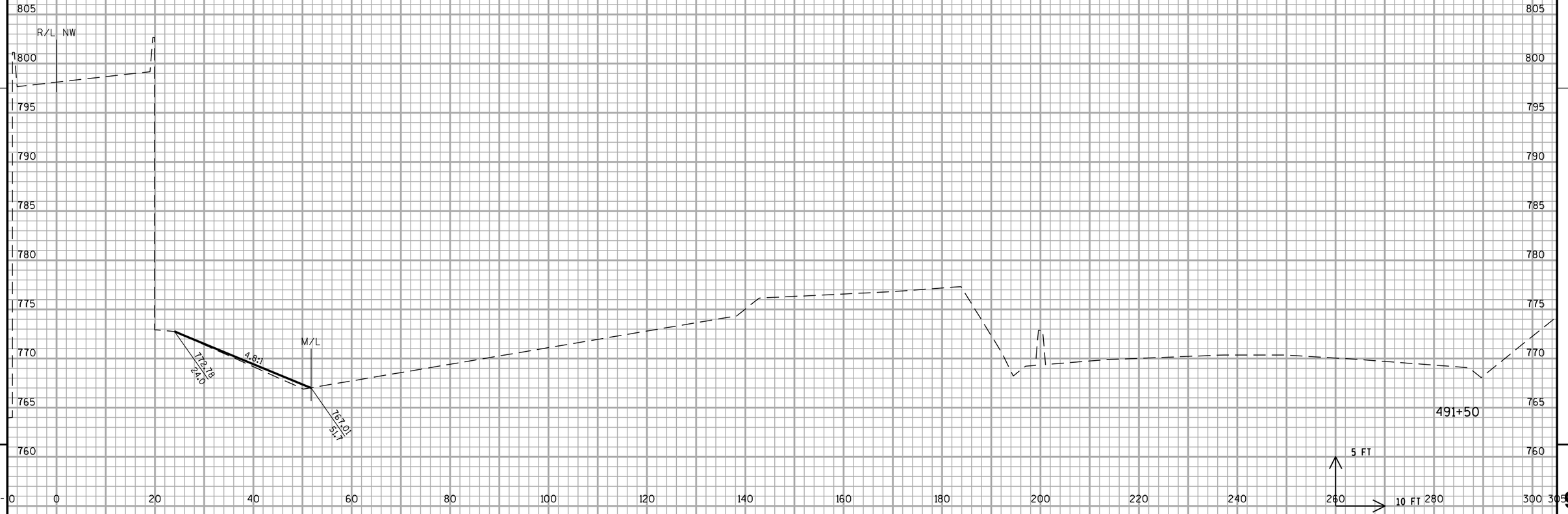


STA 491+00 TO 491+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

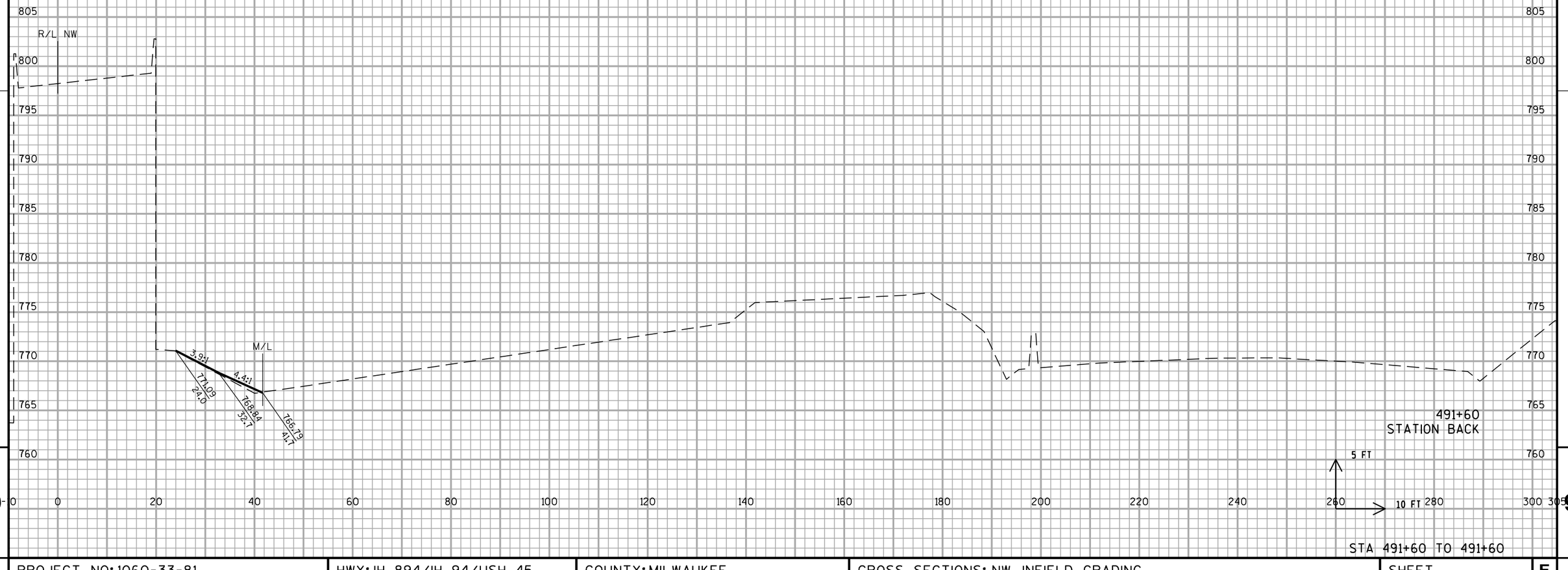


STA 491+50 TO 491+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

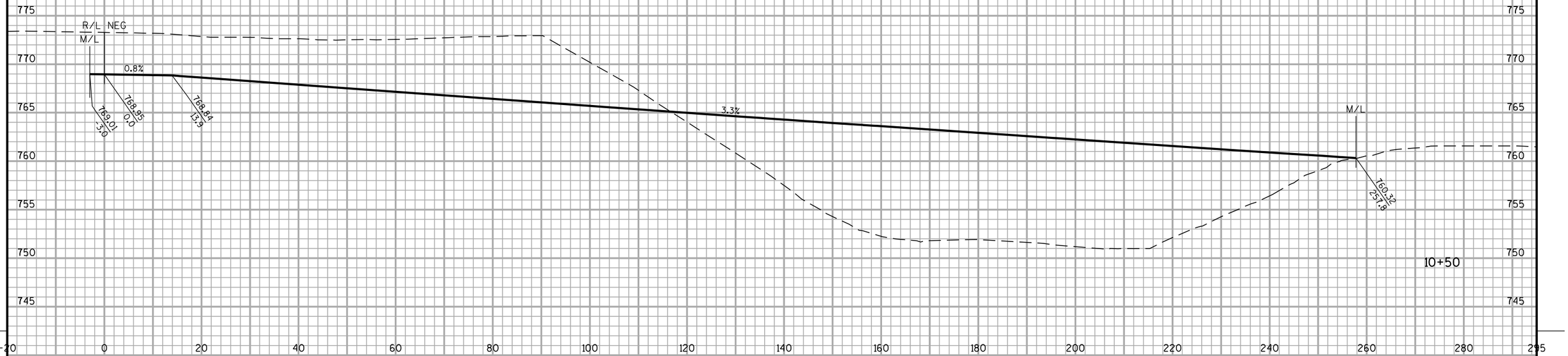


STA 491+60 TO 491+60

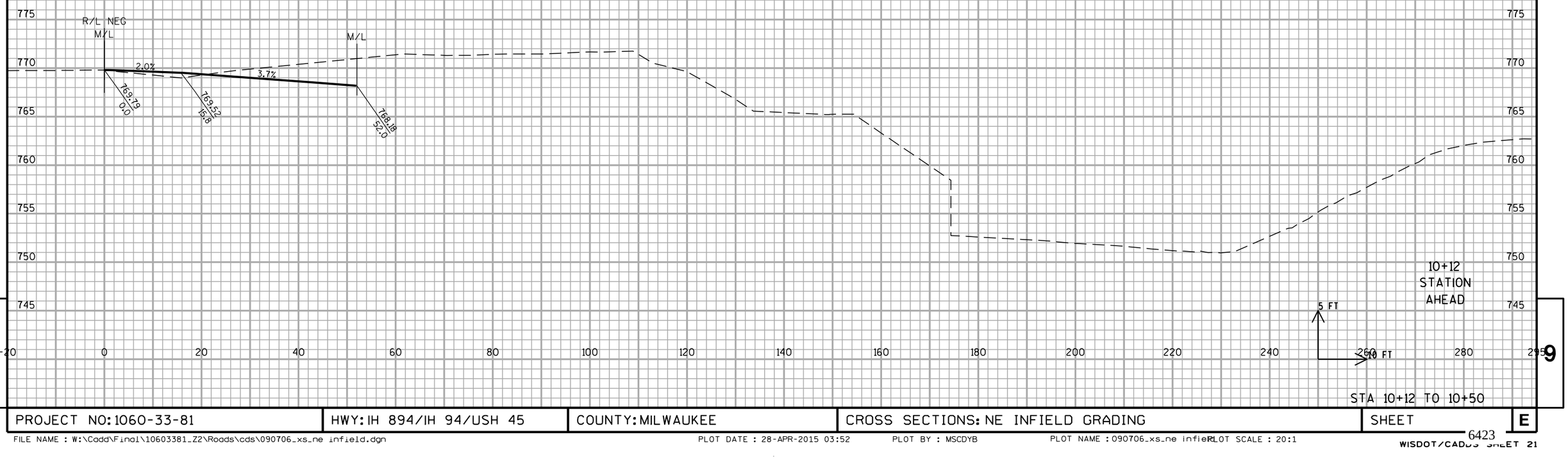
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NW INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090705_xs_nw infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090705_xs_nw infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



10+50



10+12
STATION
AHEAD

5 FT
5 FT

STA 10+12 TO 10+50

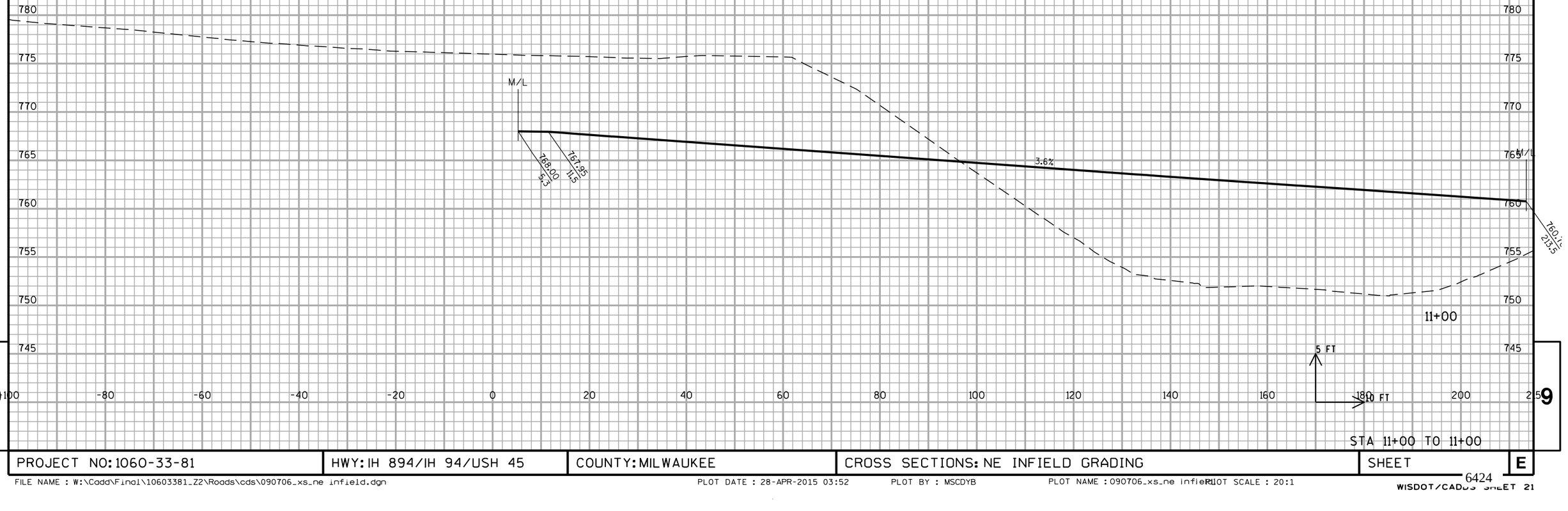
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

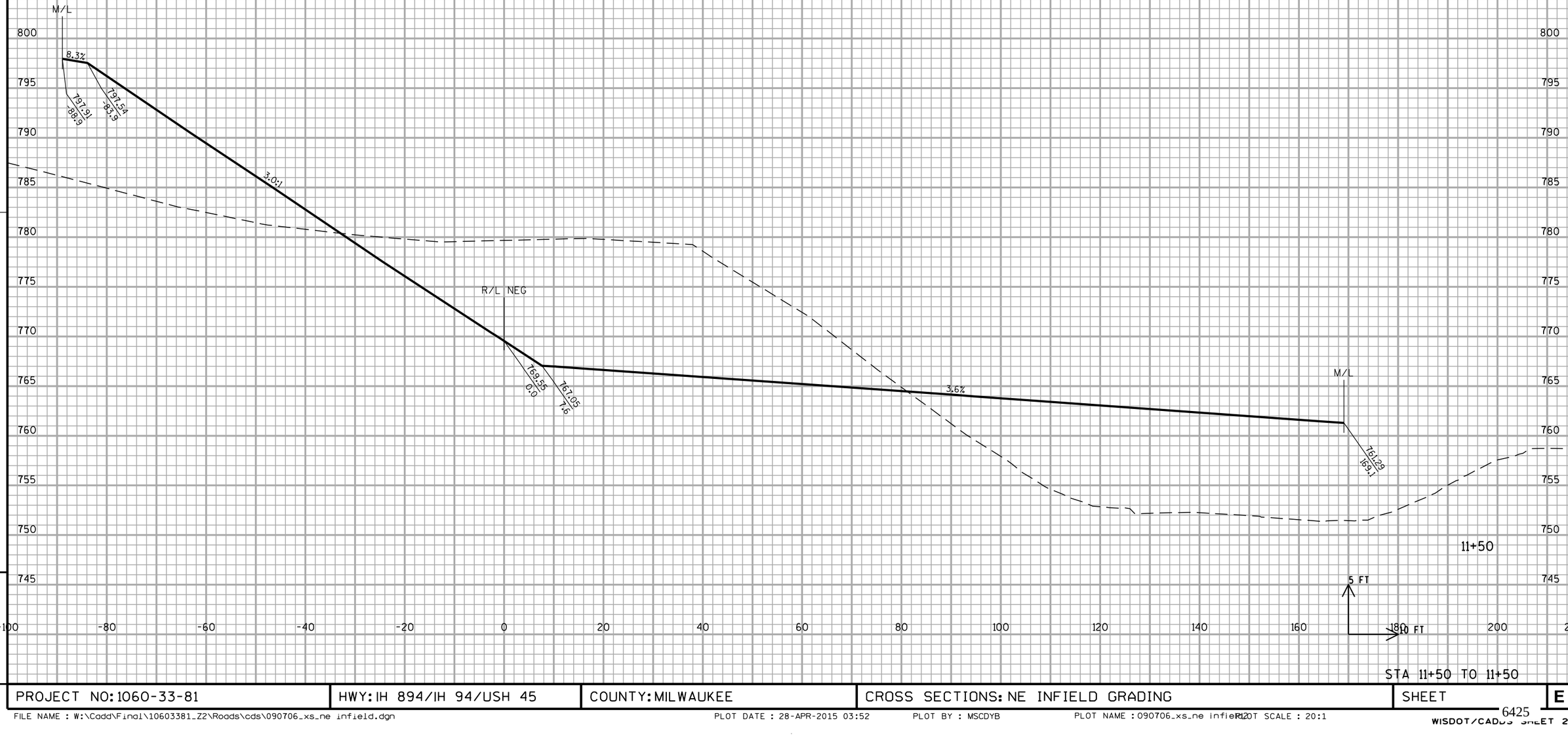


STA 11+00 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield PLOT SCALE : 20:1

ALL WORK STAGE 6

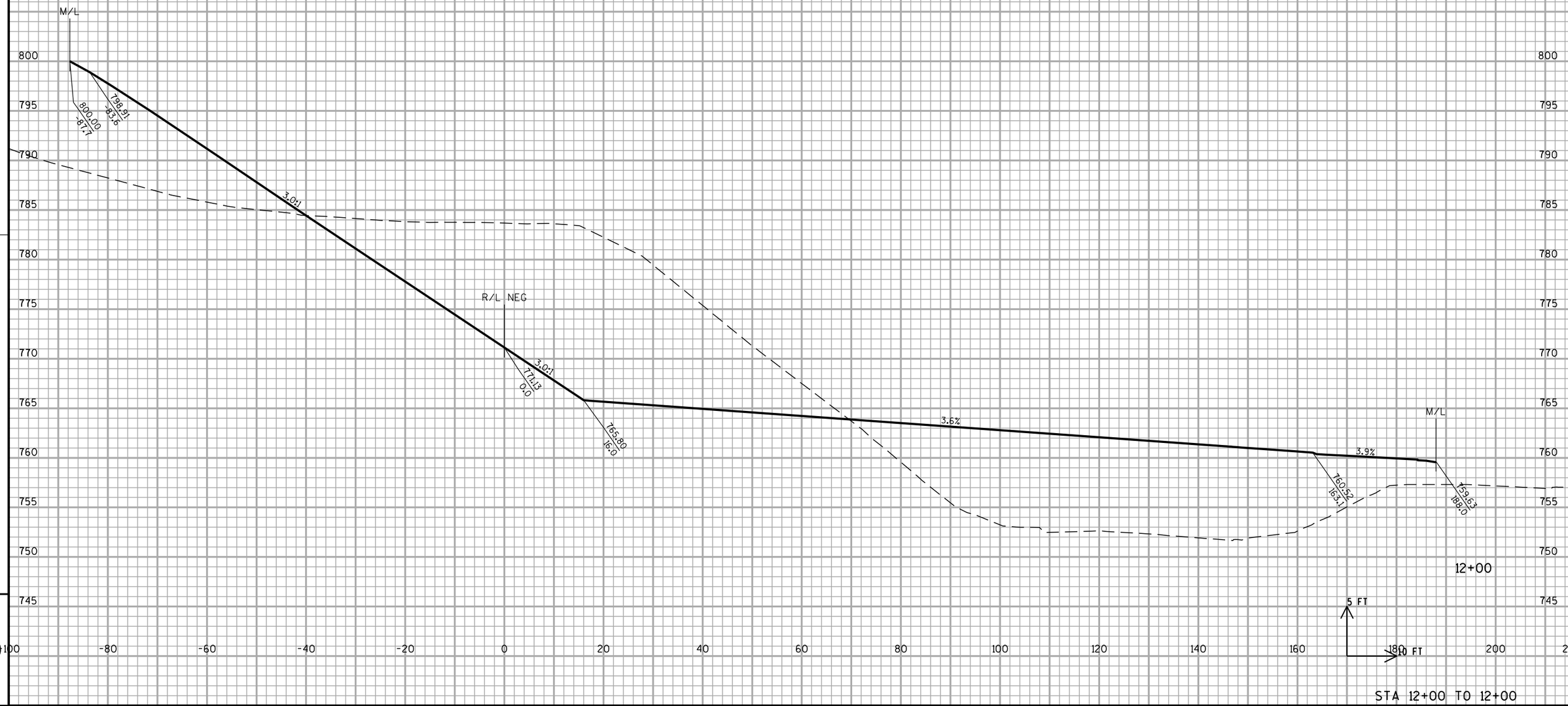


STA 11+50 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield.PLOT SCALE : 20:1

ALL WORK STAGE 6

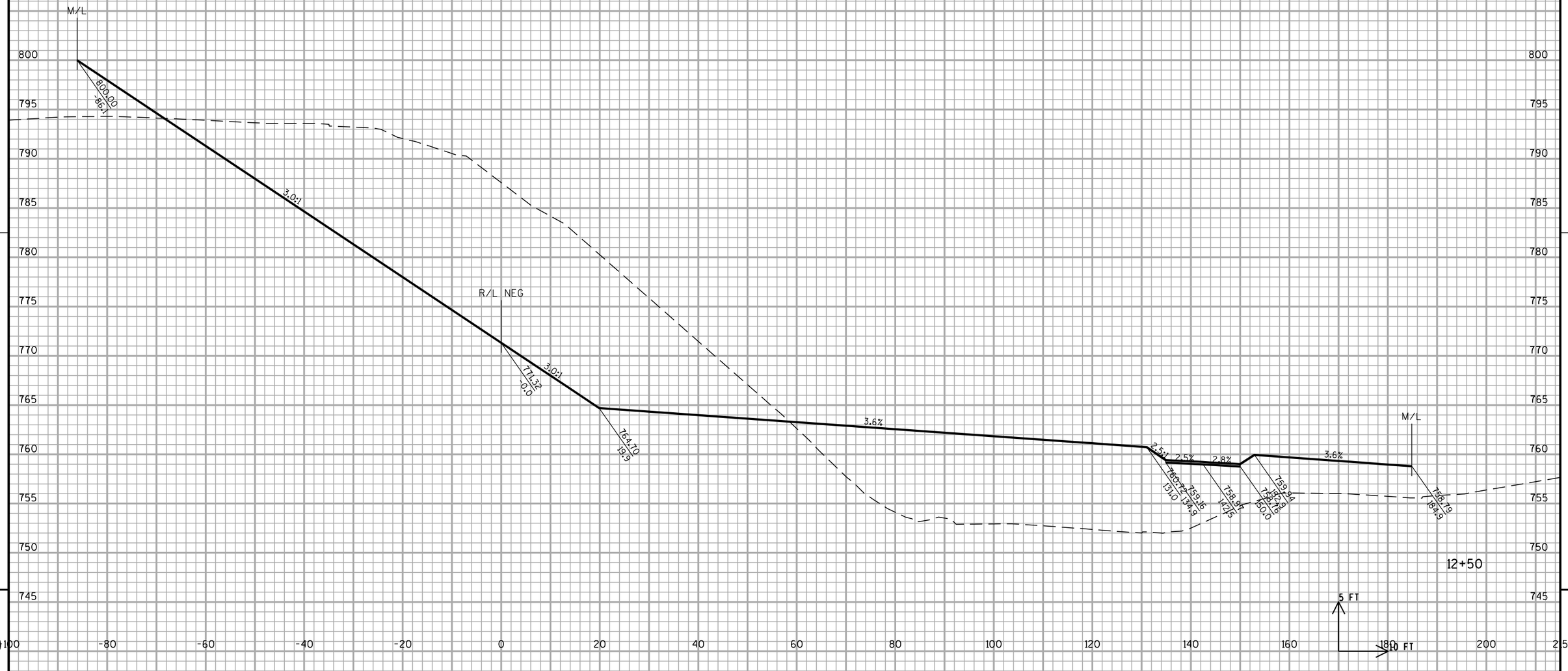


STA 12+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:52 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield.PLOT SCALE : 20:1

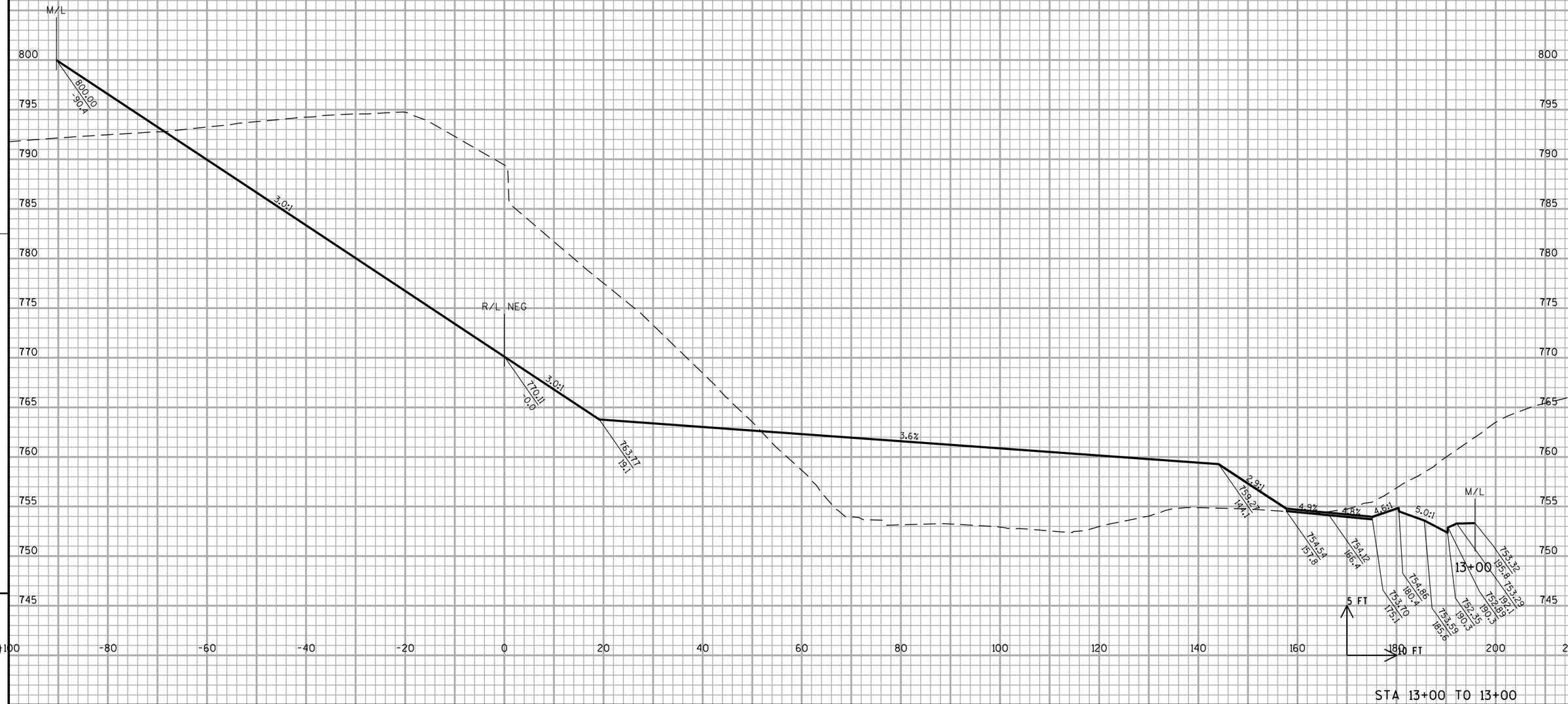
ALL WORK STAGE 6



STA 12+50 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

ALL WORK STAGE 6

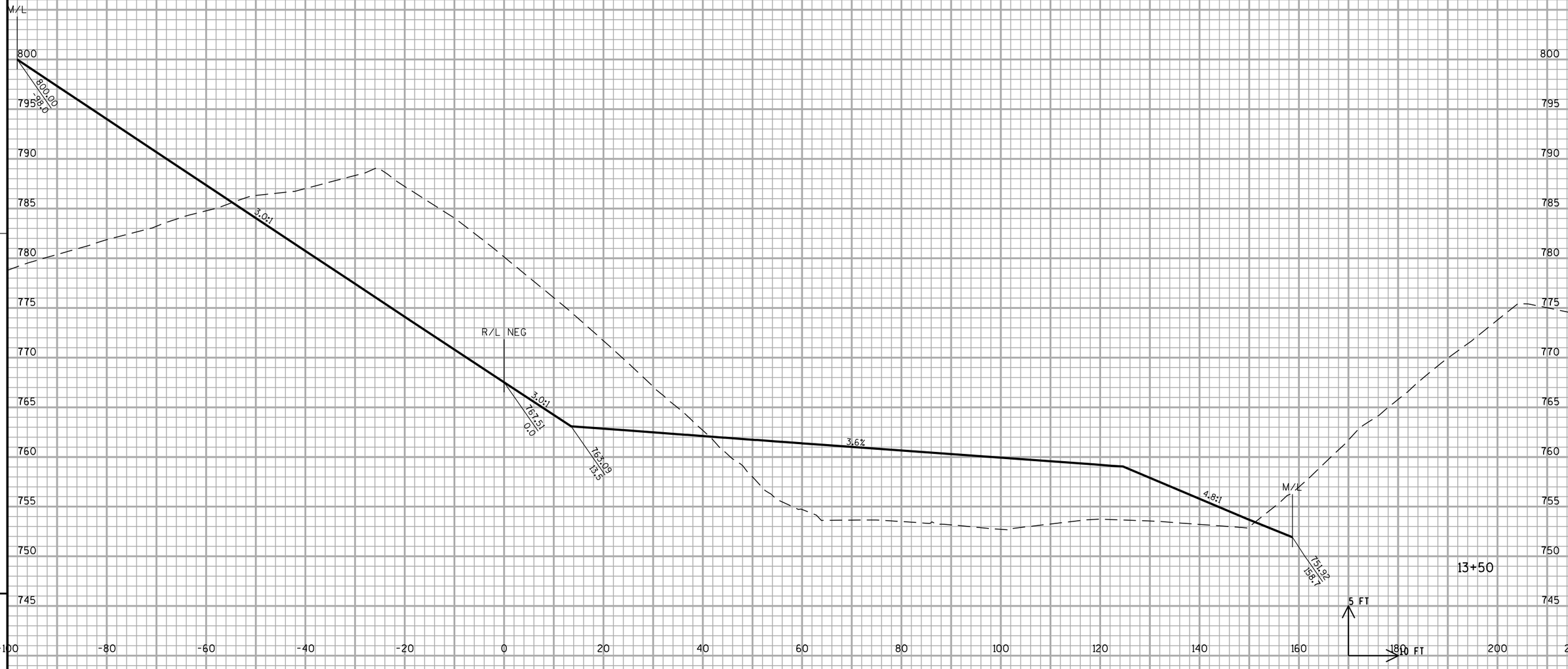


STA 13+00 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn
PLOT DATE : 28-APR-2015 03:53
PLOT BY : MSCDYB
PLOT NAME : 090706_xs_ne infield
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

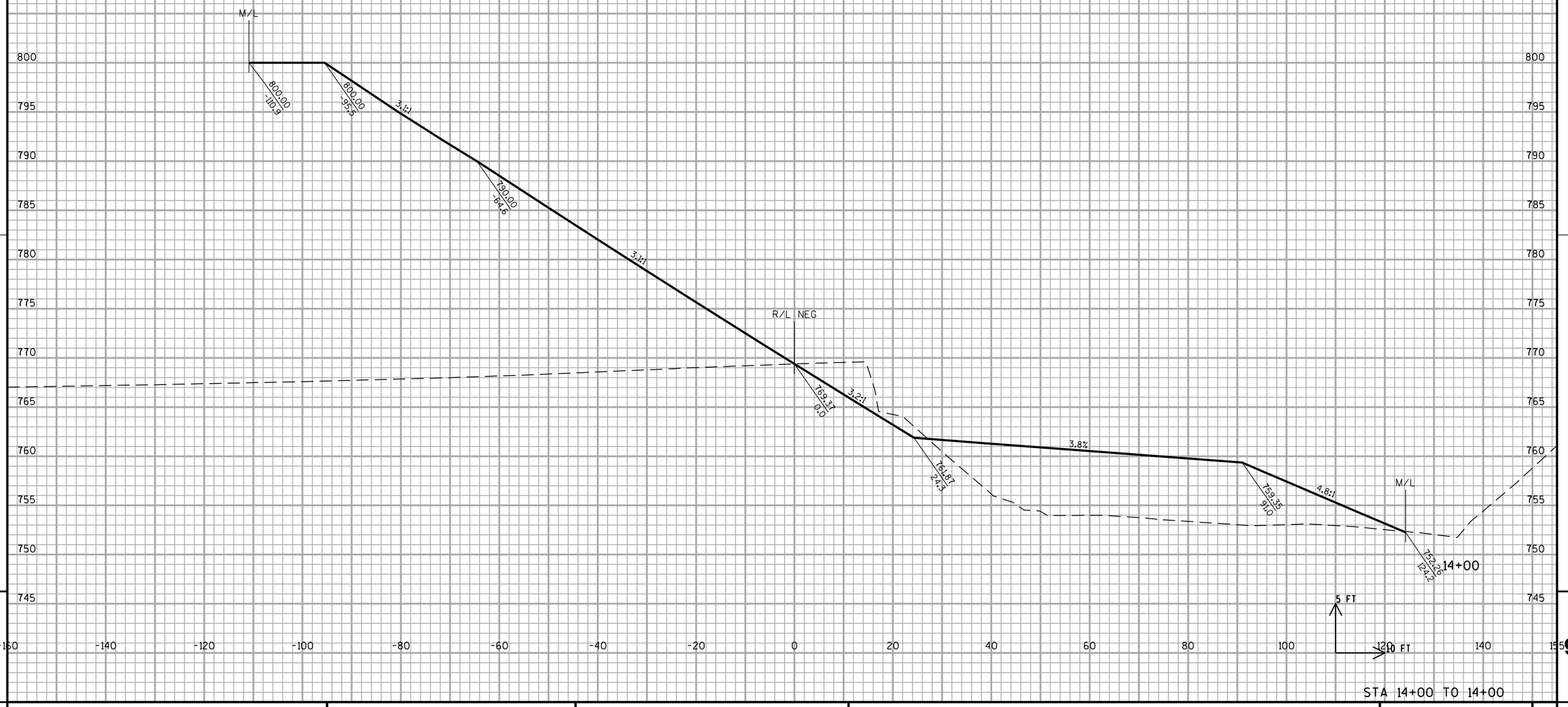


STA 13+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

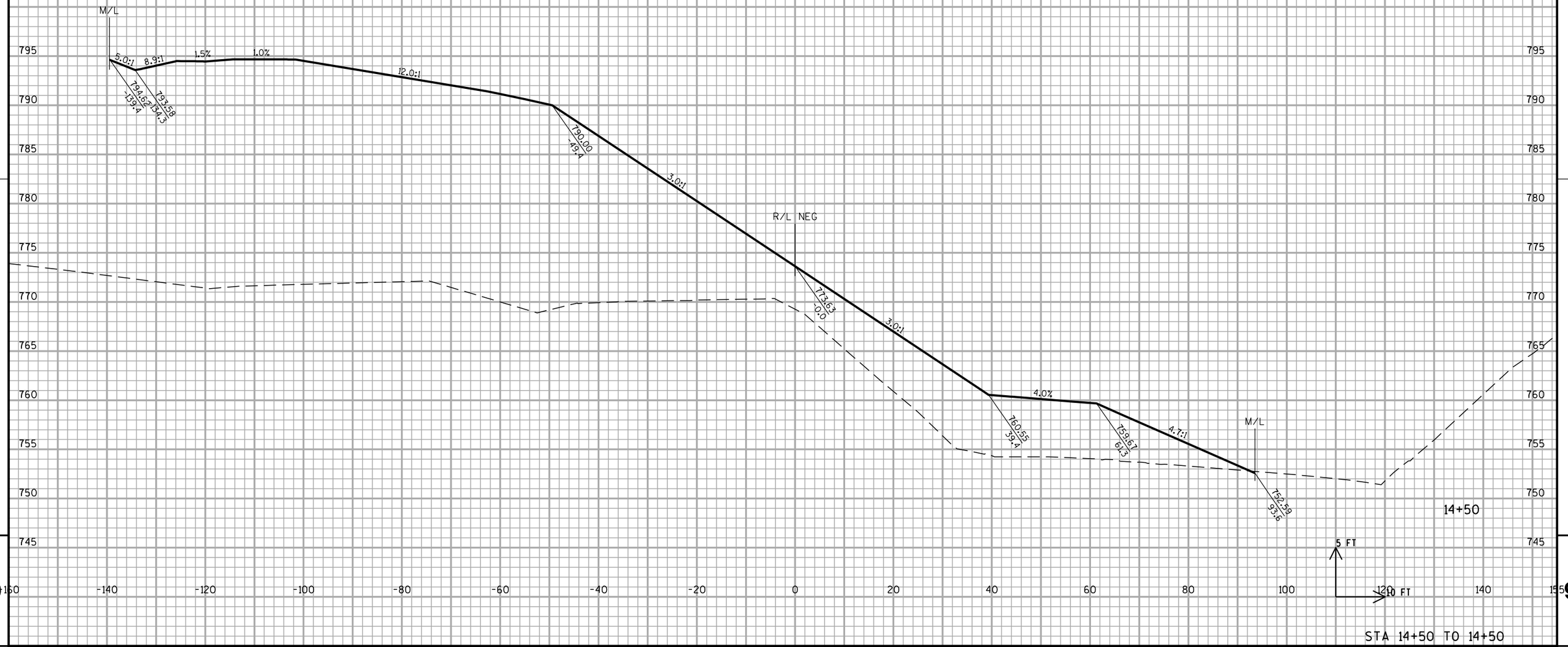


STA 14+00 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



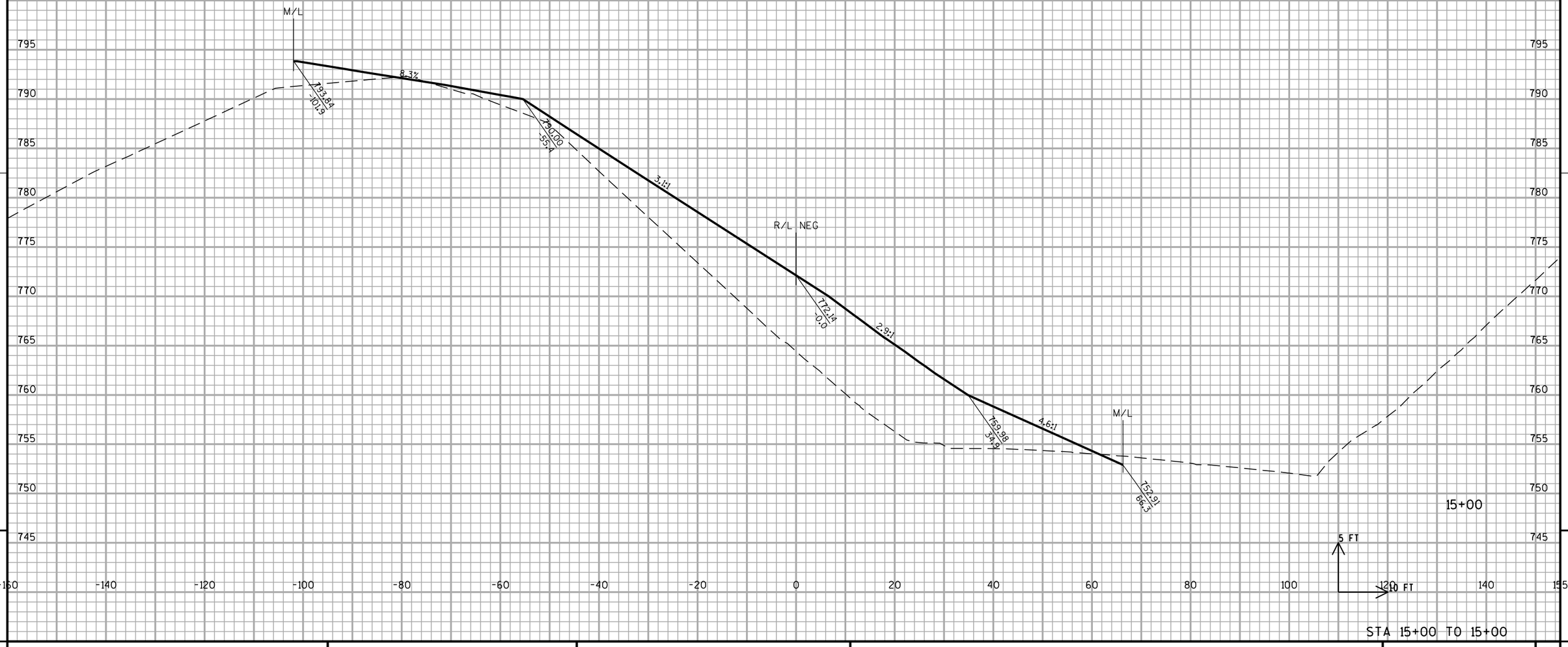
STA 14+50 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 15+00 TO 15+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

9 9

ALL WORK STAGE 6

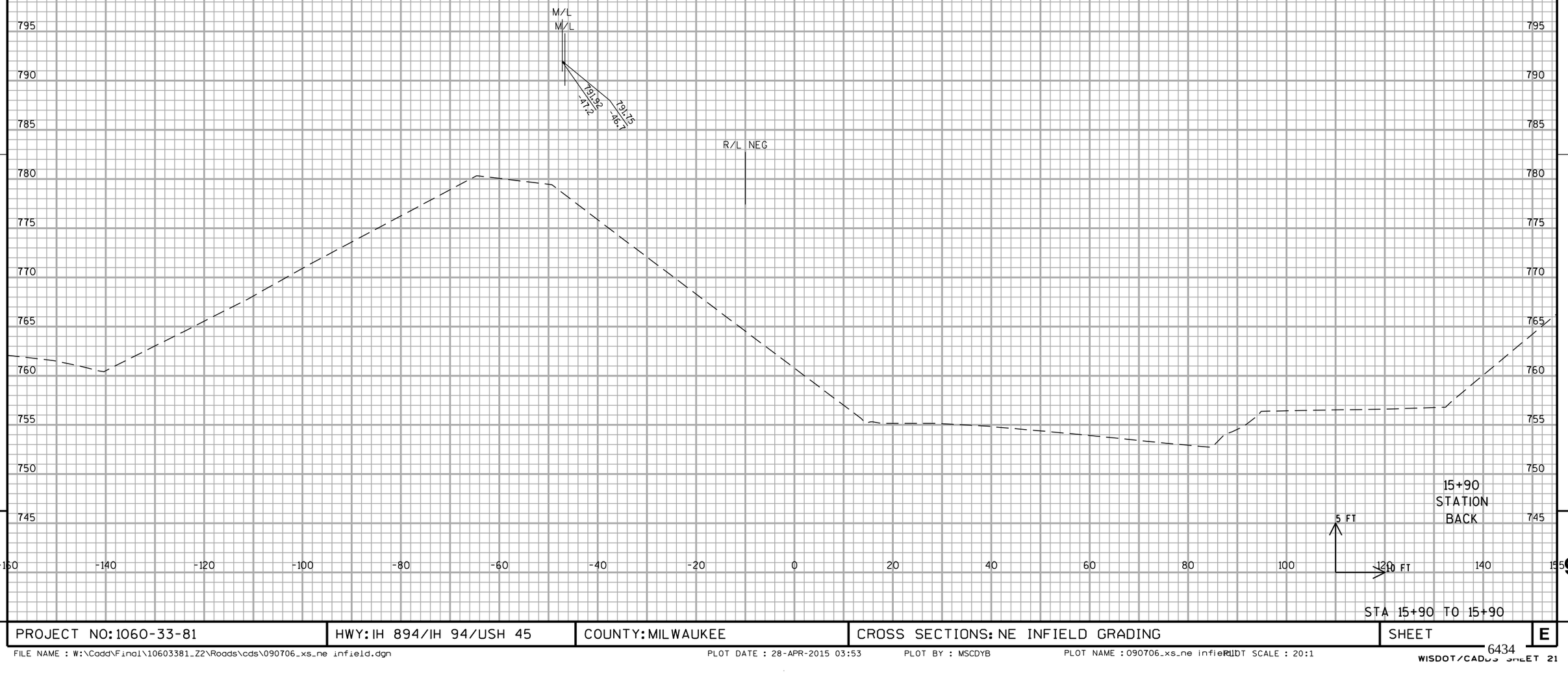


STA 15+50 TO 15+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090706_xs_ne infield PLOT SCALE : 20:1

ALL WORK STAGE 6



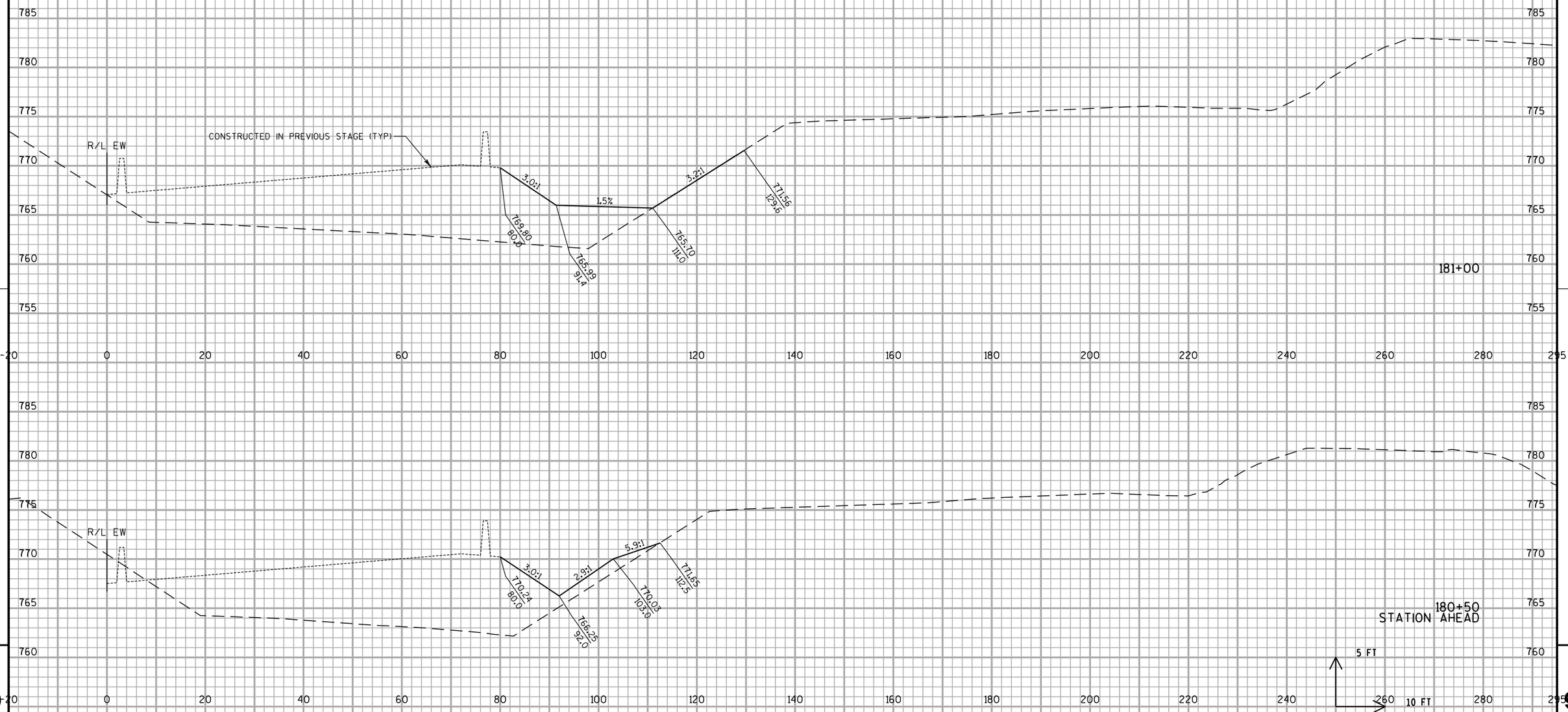
STA 15+90 TO 15+90

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: NE INFIELD GRADING	SHEET	E

9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090706_xs_ne infield.dgn
PLOT DATE : 28-APR-2015 03:53
PLOT BY : MSCDYB
PLOT NAME : 090706_xs_ne infield.dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 4

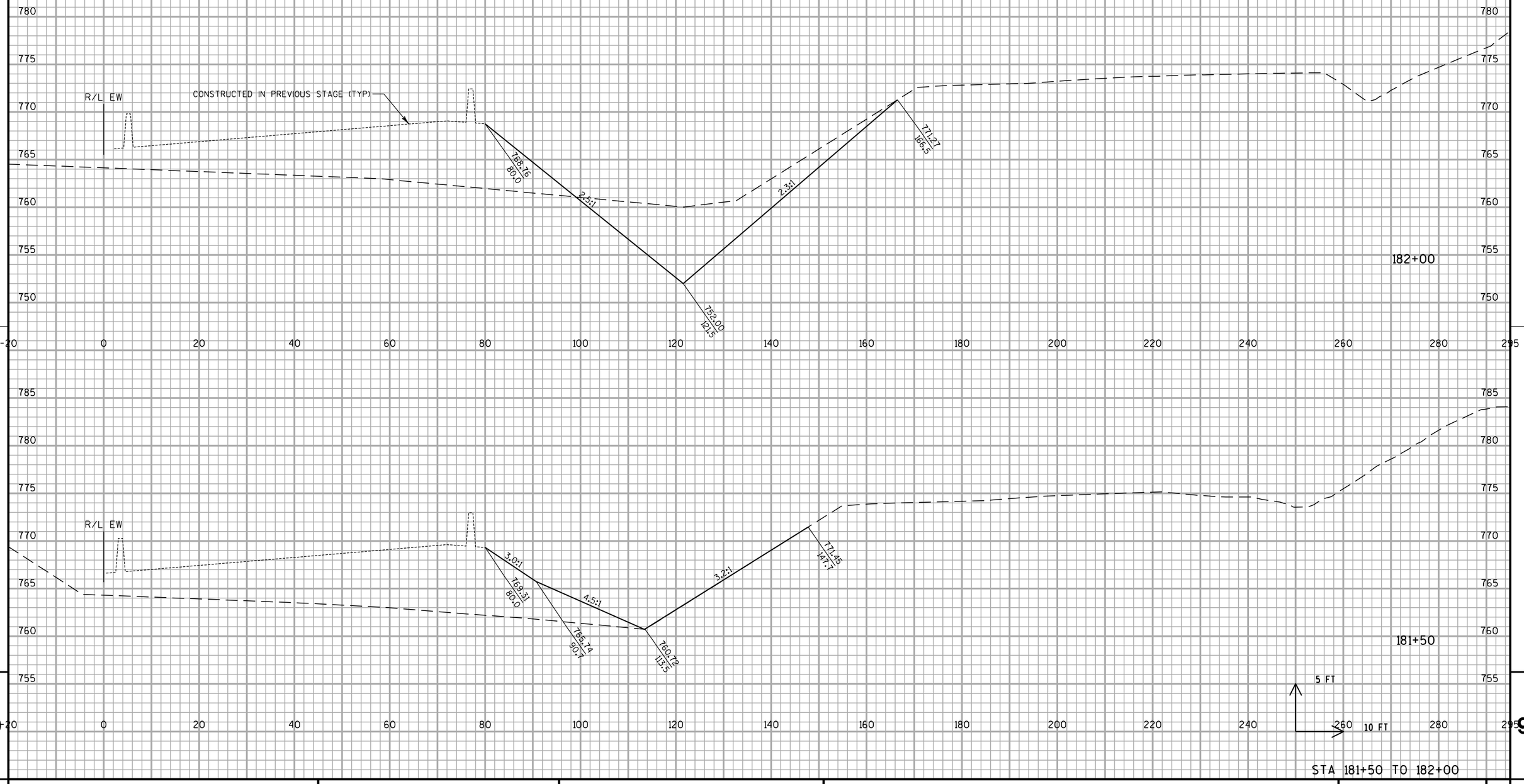


9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

9

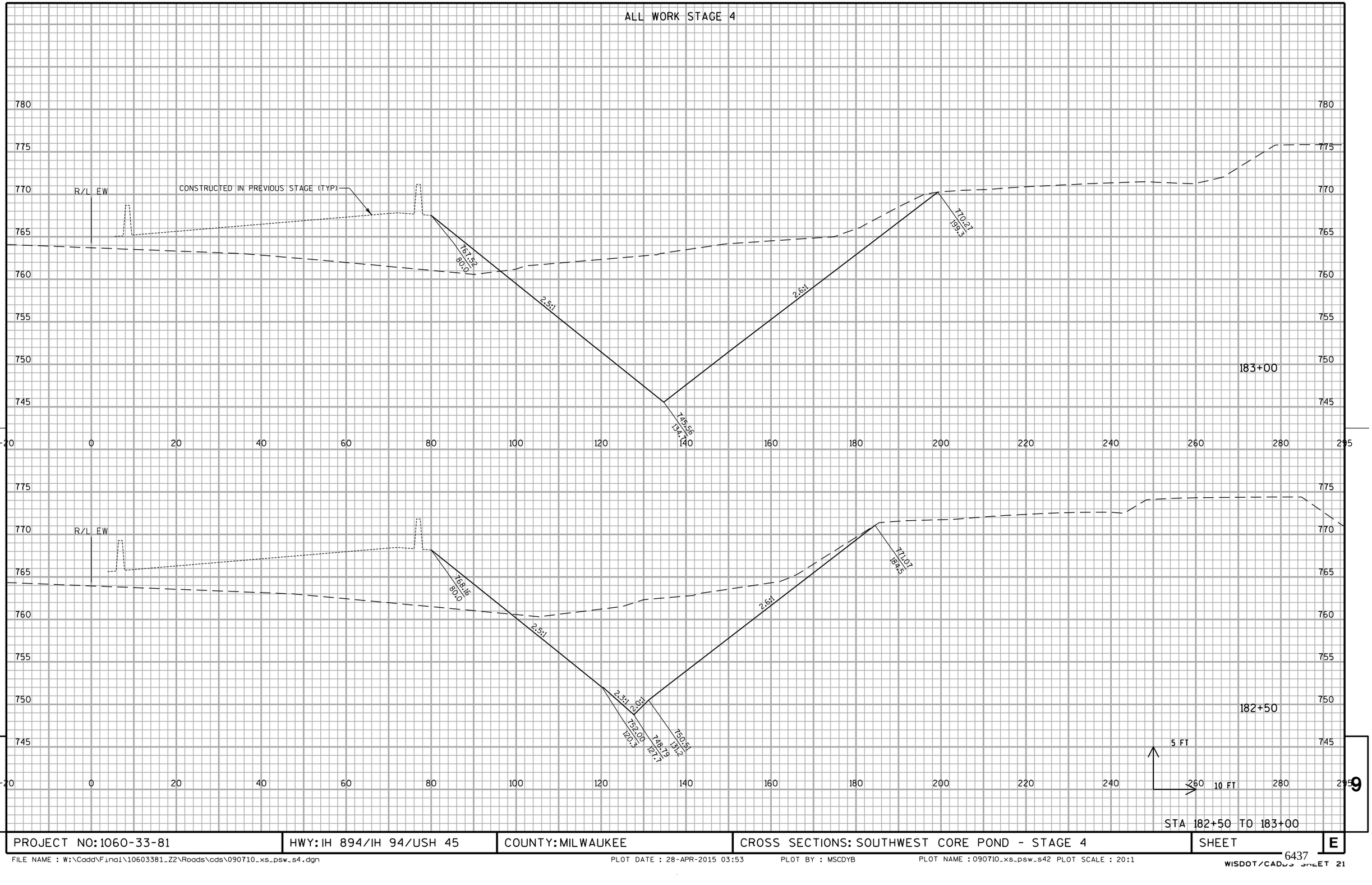
ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090710_xs_psw_s4.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090710_xs_psw_s41 PLOT SCALE : 20:1

ALL WORK STAGE 4

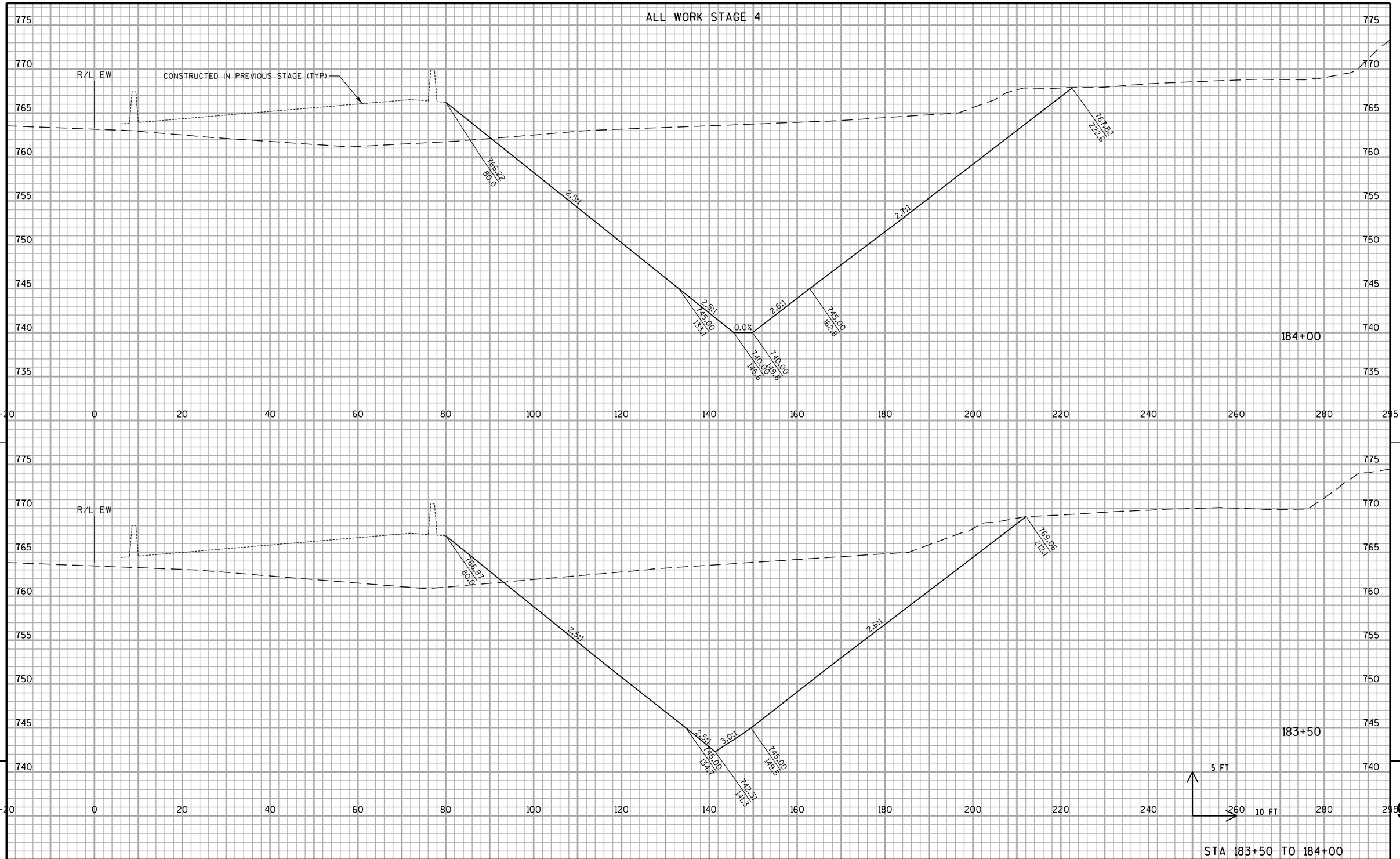


STA 182+50 TO 183+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

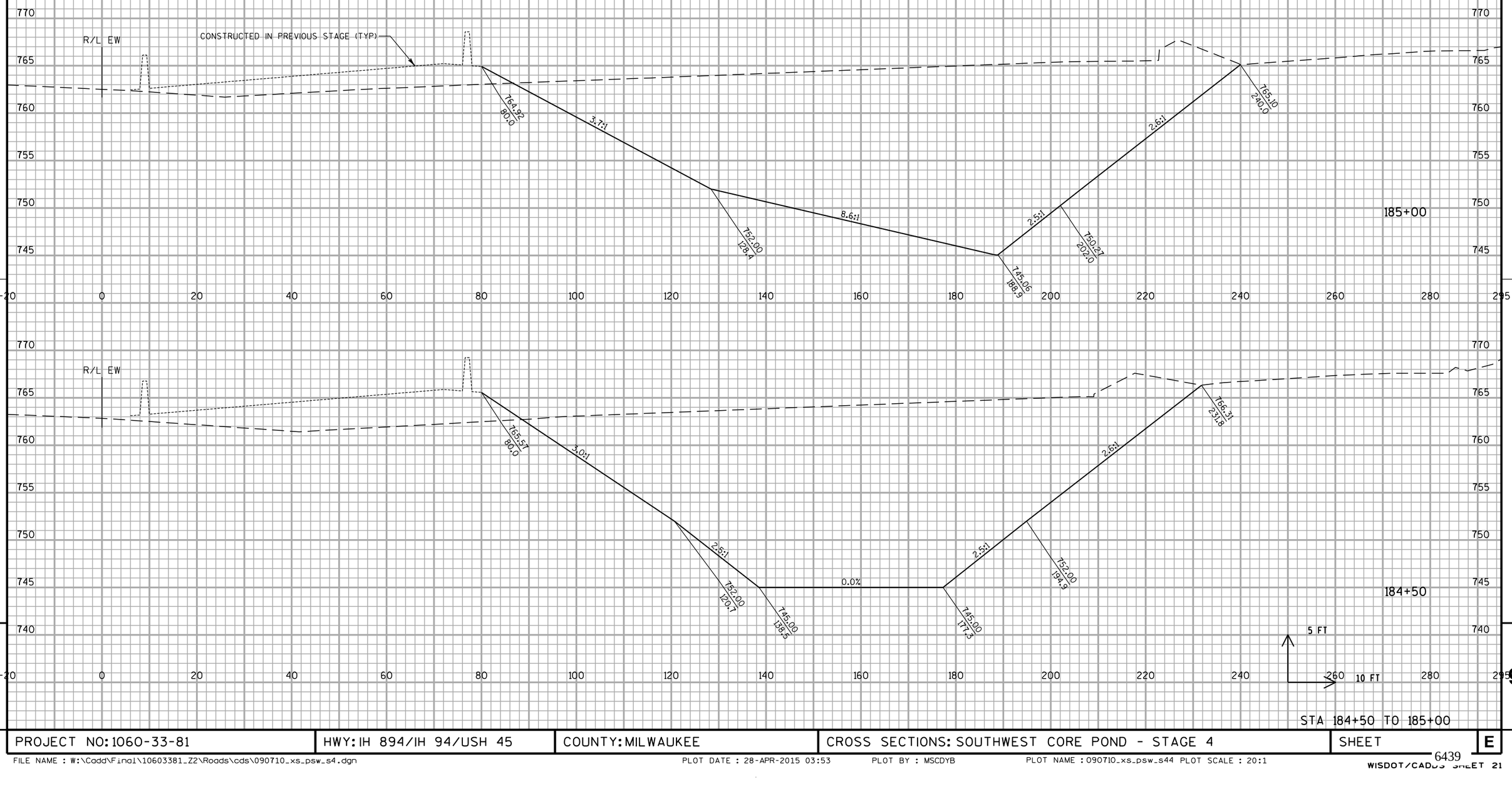
FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090710_xs_psw_s4.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090710_xs_psw_s42 PLOT SCALE : 20:1

ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

ALL WORK STAGE 4

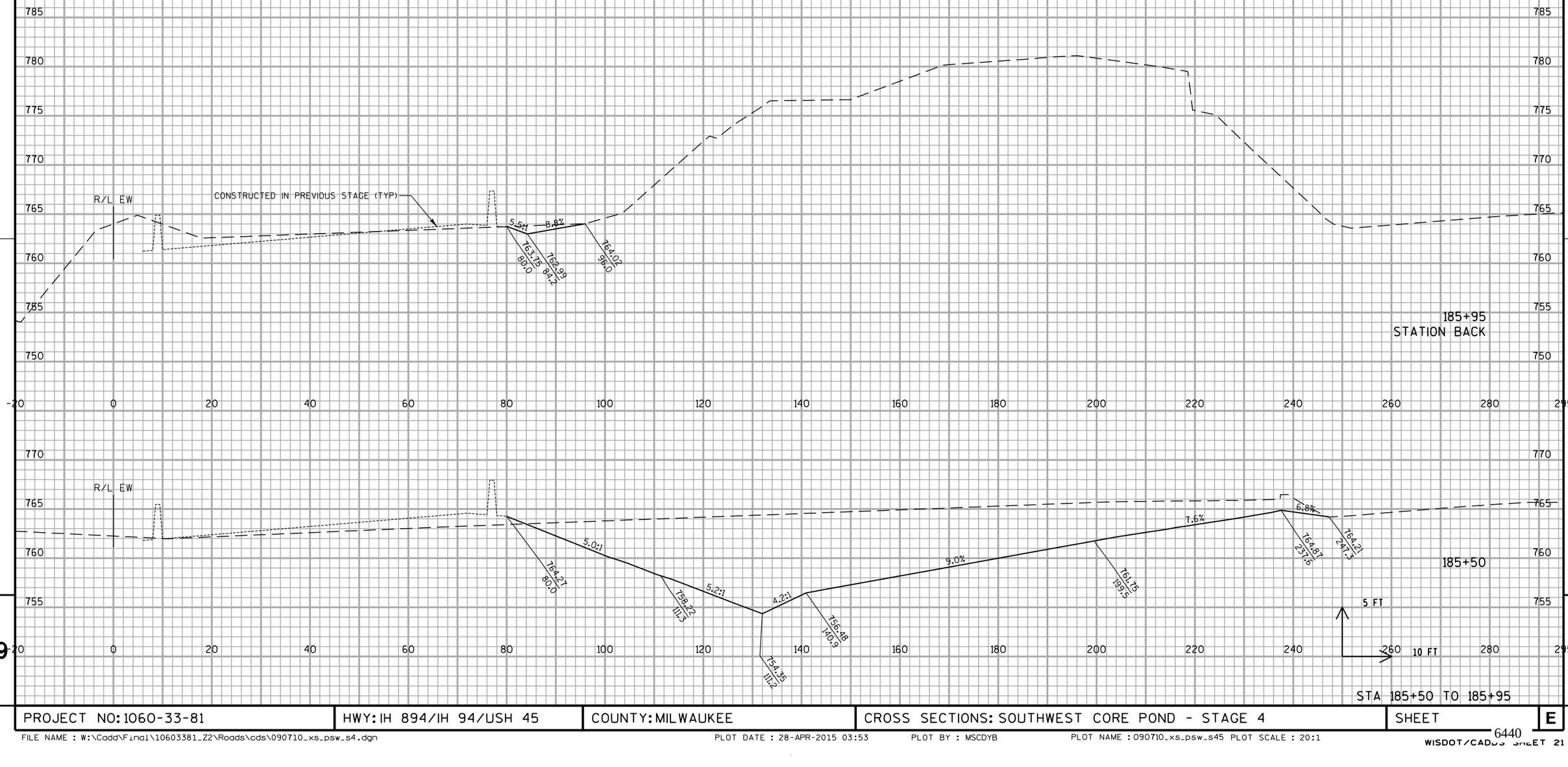


STA 184+50 TO 185+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090710_xs_psw_s4.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090710_xs_psw_s44 PLOT SCALE : 20:1

ALL WORK STAGE 4



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 4	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090710_xs_psw_s4.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090710_xs_psw_s45 PLOT SCALE : 20:1

ALL WORK STAGE 5

790
785
780
775
770
765
760
755

-200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 115

CONSTRUCTED IN PREVIOUS STAGE (TYP)

5.2:1
768.47
-93.8
766.51
-83.6
4.8:1
758.49
-45.3
9.0:1
756.00
-22.3
9.5%
R/L PSW
758.88
7.1
2.0:1
779.12
48.8
8.2:1
780.61
61.0
4.2:1
785.12
79.8
6.2%
785.42
84.7
2.6%
785.13
97.5

11+50

3.8%
772.98
-56.5
773.23
49.5

R/L PSW

4.2:1
782.12
44.2
6.2%
782.93
51.3
2.4%
784.20
66.2
784.64
78.5

11+15
STATION AHEAD

5 FT
10 FT

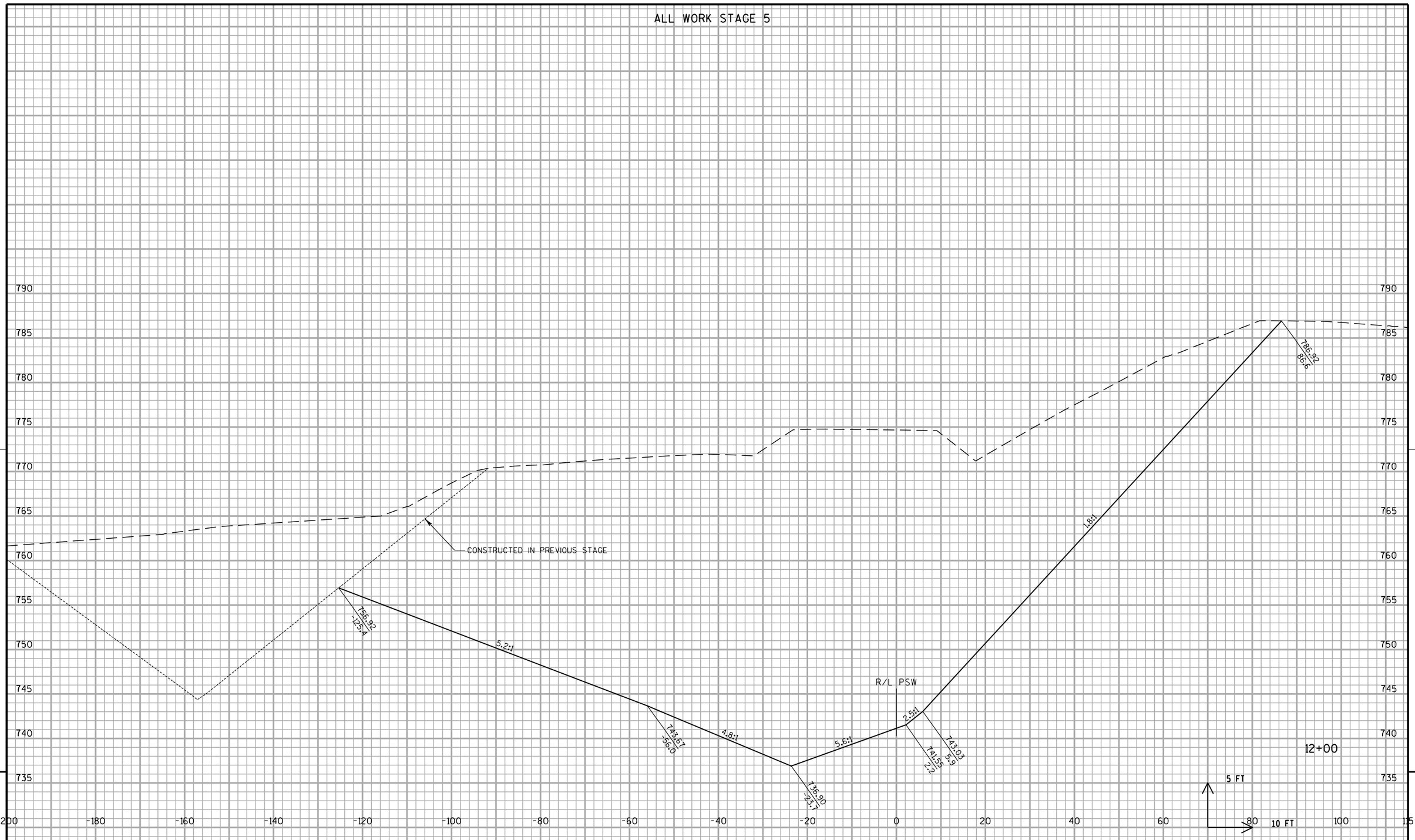
STA 11+15 TO 11+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 5	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090711_xs_psw_s5.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090711_xs_psw_s5 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

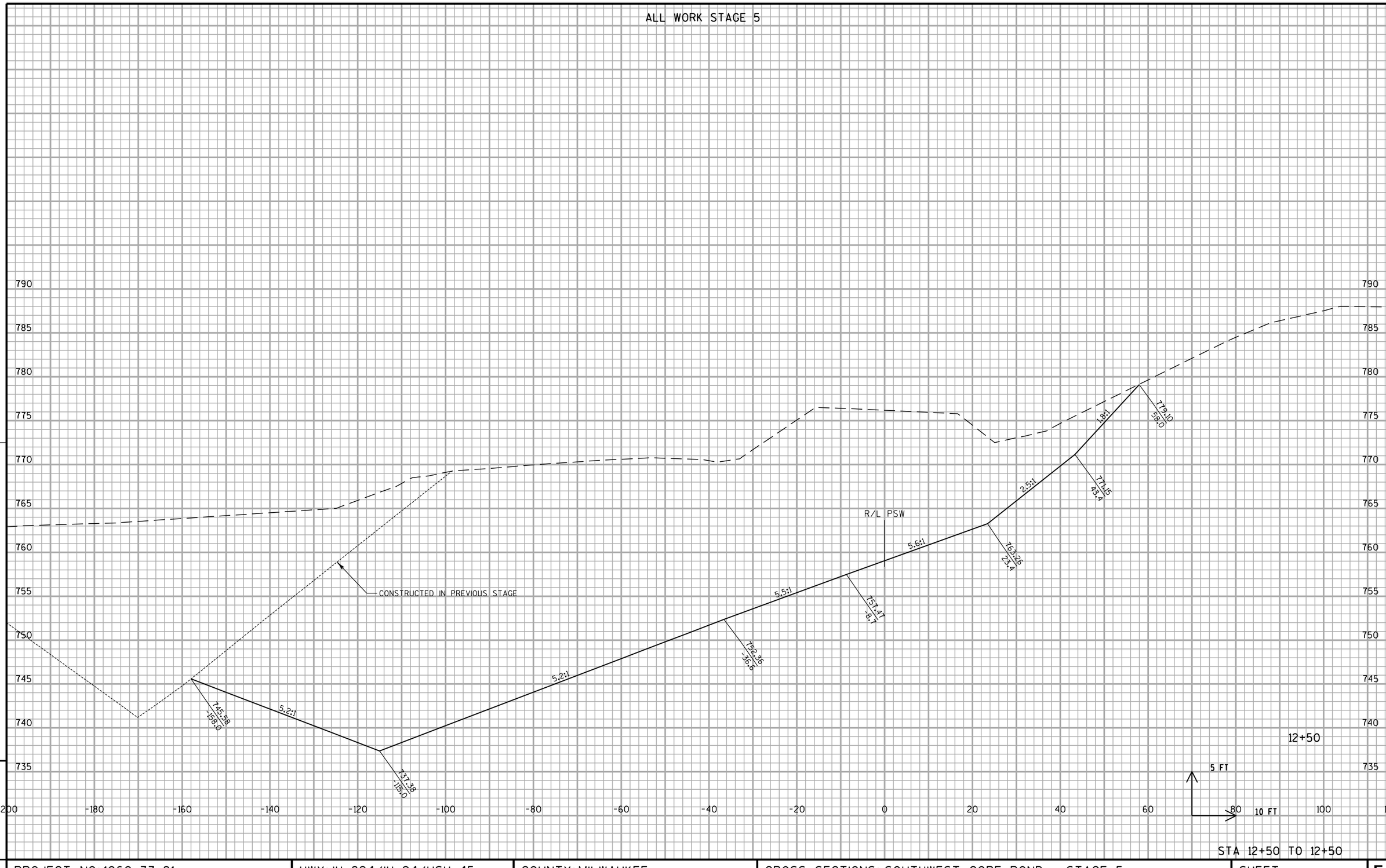
ALL WORK STAGE 5



STA 12+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 5	SHEET	E

ALL WORK STAGE 5

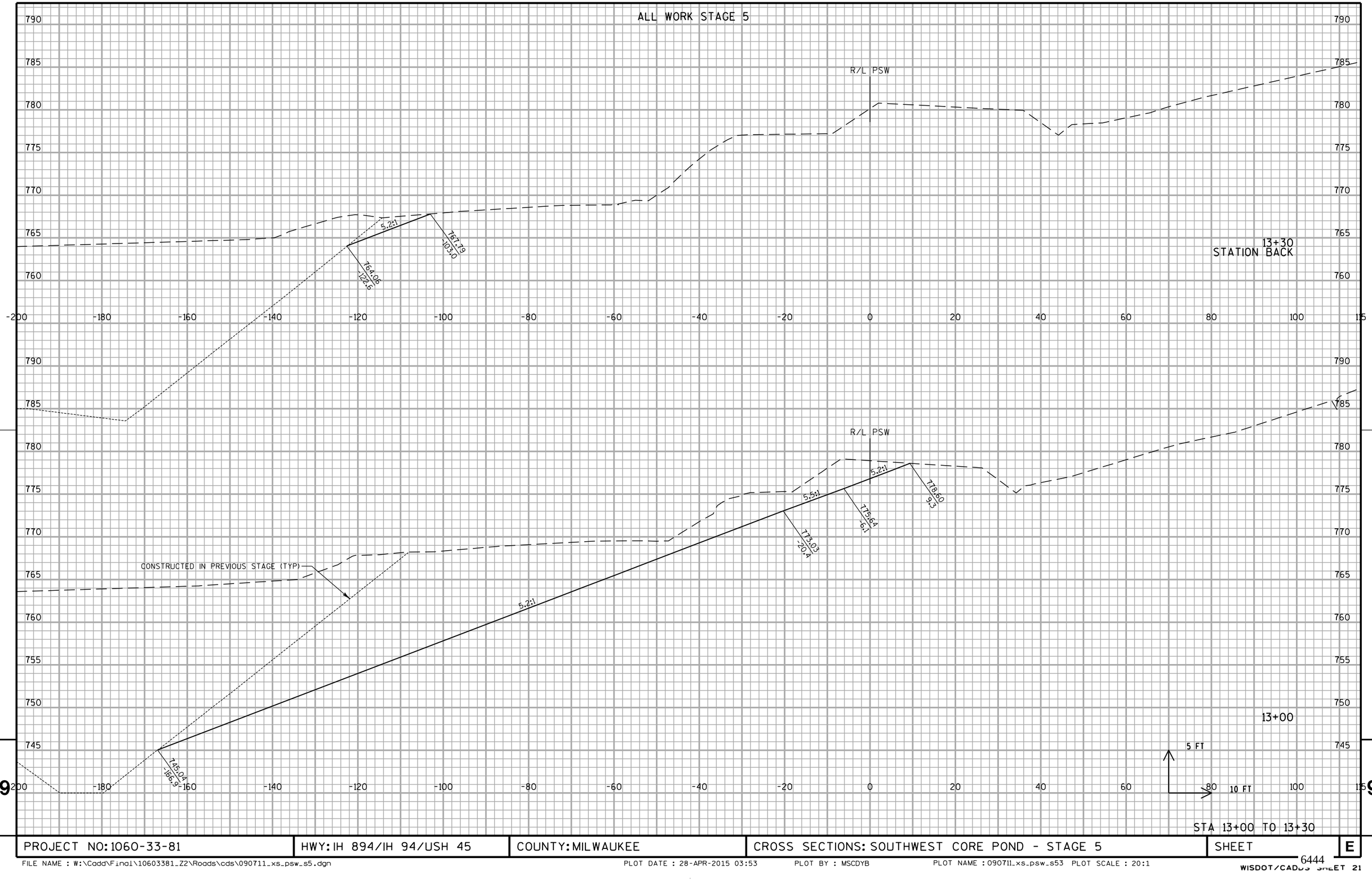


STA 12+50 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 5	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090711_xs_psw_s5.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090711_xs_psw_s52 PLOT SCALE : 20:1

ALL WORK STAGE 5



STA 13+00 TO 13+30

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 5	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090711_xs_psw_s5.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090711_xs_psw_s53 PLOT SCALE : 20:1

ALL WORK STAGE 6

780 775 770 765 760 755 750 745 740

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 15

CONSTRUCTED IN PREVIOUS STAGE

M/L M/L R/L PSW

764.56 764.64 765.05 765.26

39.7 21.9

10+01
STATION AHEAD

5 FT 10 FT

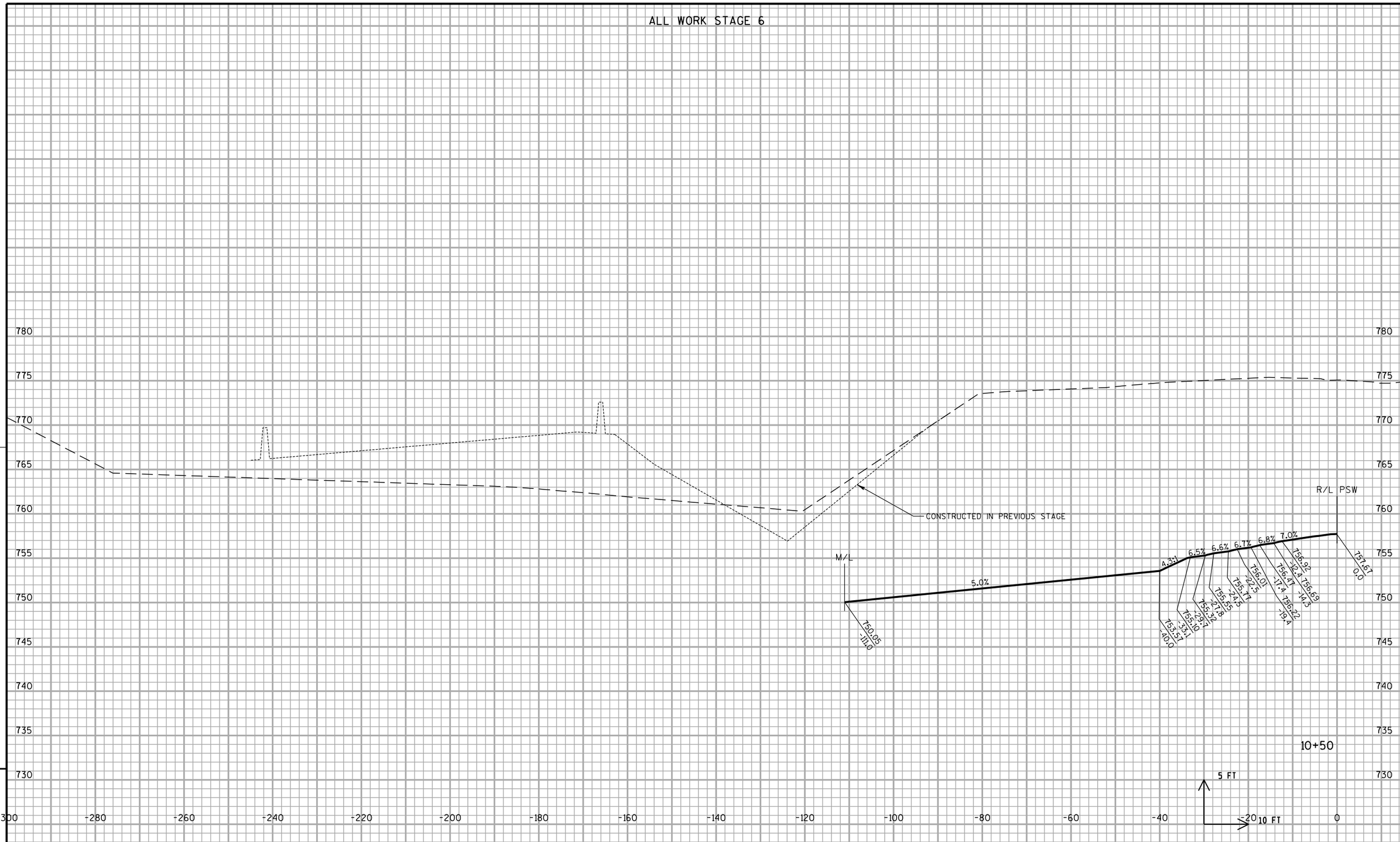
STA 10+01 TO 10+01

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090712_xs_psw_s6_left.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090712_xs_psw_s6_left PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

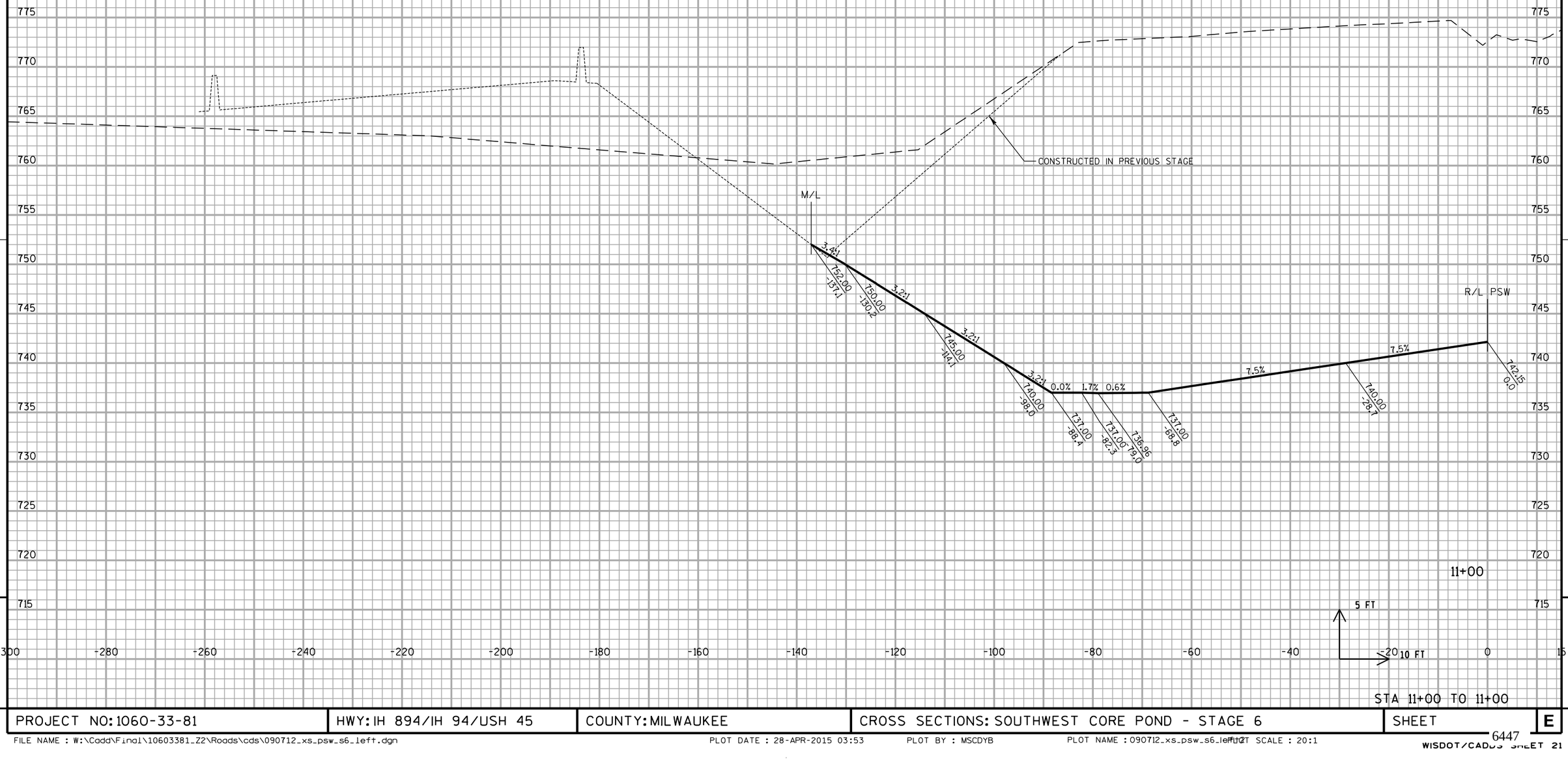
ALL WORK STAGE 6



STA 10+50 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

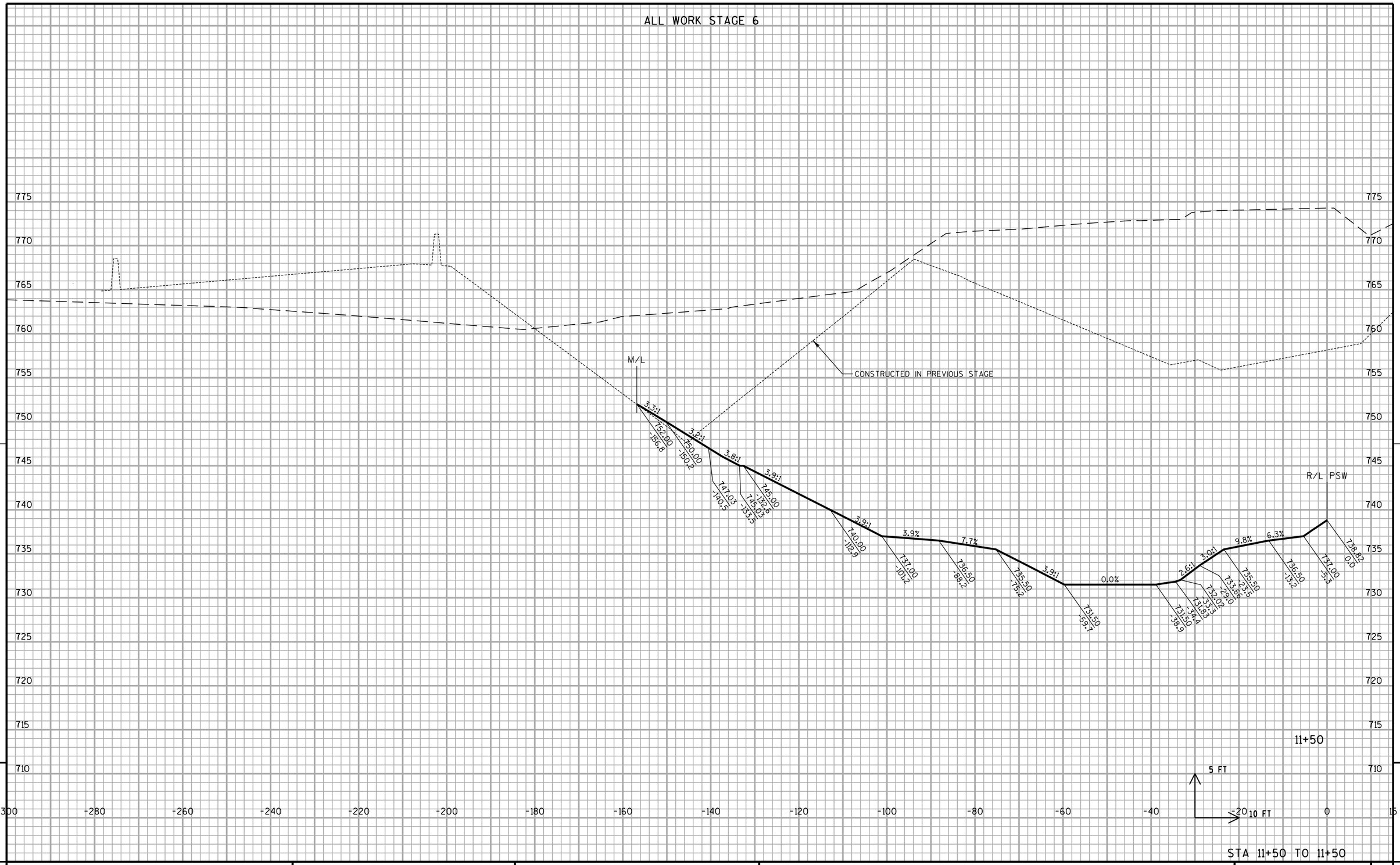
ALL WORK STAGE 6



STA 11+00 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

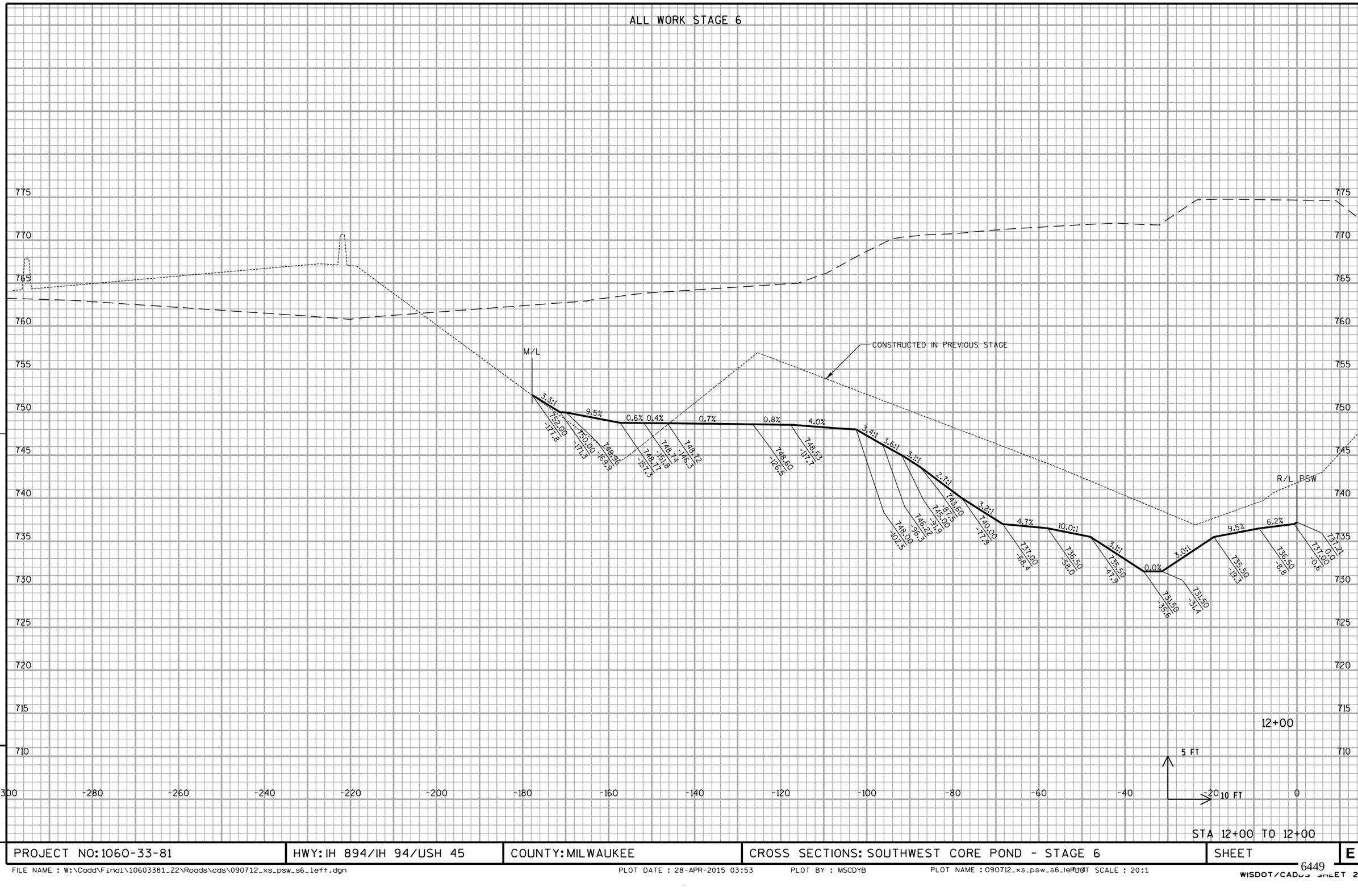
ALL WORK STAGE 6



STA 11+50 TO 11+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

ALL WORK STAGE 6



STA 12+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

ALL WORK STAGE 6

780
775
770
765
760
755
750
745
740
735
730
725
720
715
710

M/L

3.2:1
750.00
-199.9
750.00
-193.4
750.00
-193.3
3.3:1
4.4%
731.00
-150.1
736.79
-146.8
0.3%
1.5%
736.62
-97.2
4.0%
736.50
-89.6
736.38
-84.0
2.7%
736.17
-78.5
736.15
-75.7
4.8%
735.93
-69.0
735.98
-66.5
3.0:1
736.04
-63.8
735.50
-52.7
731.50
-40.6
0.0%
2.1:1
731.50
-19.8
9.4%
735.50
-7.2
R/L PSW
736.18
0.0

CONSTRUCTED IN PREVIOUS STAGE

780
775
770
765
760
755
750
745
740
735
730
725
720
715
710

12+50

5 FT
10 FT

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 15

STA 12+50 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090712_xs_psw_s6_left.dgn
PLOT DATE : 28-APR-2015 03:53
PLOT BY : MSCDYB
PLOT NAME : 090712_xs_psw_s6_left.pltPLOT SCALE : 20:1

ALL WORK STAGE 6

780
775
770
765
760
755
750
745
740
735
730
725
720
715
710

M/L

3.1:1
745.00
-196.6
2.6:1
742.20
-189.1
2.8:1
740.00
-183.0
3.3:1
739.00
-180.5
4.5%
737.00
-173.8
3.8%
736.71
-167.5
7.6%
736.50
-161.9
3.8:1
735.50
-148.5
4.0:1
733.43
-140.6
731.50
-132.8
0.0%
CONSTRUCTED IN PREVIOUS STAGE
3.4:1
731.50
-95.6
0.0%
3.4:1
735.50
-82.1
3.4:1
735.50
-70.8
0.0%
731.50
-57.3
3.1:1
731.50
-30.0
0.0%
3.1:1
735.50
-17.6
R/L PSW
3.1:1
735.50
-7.3
731.38
0.0
731.27
0.4

300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 15

13+00

5 FT
10 FT

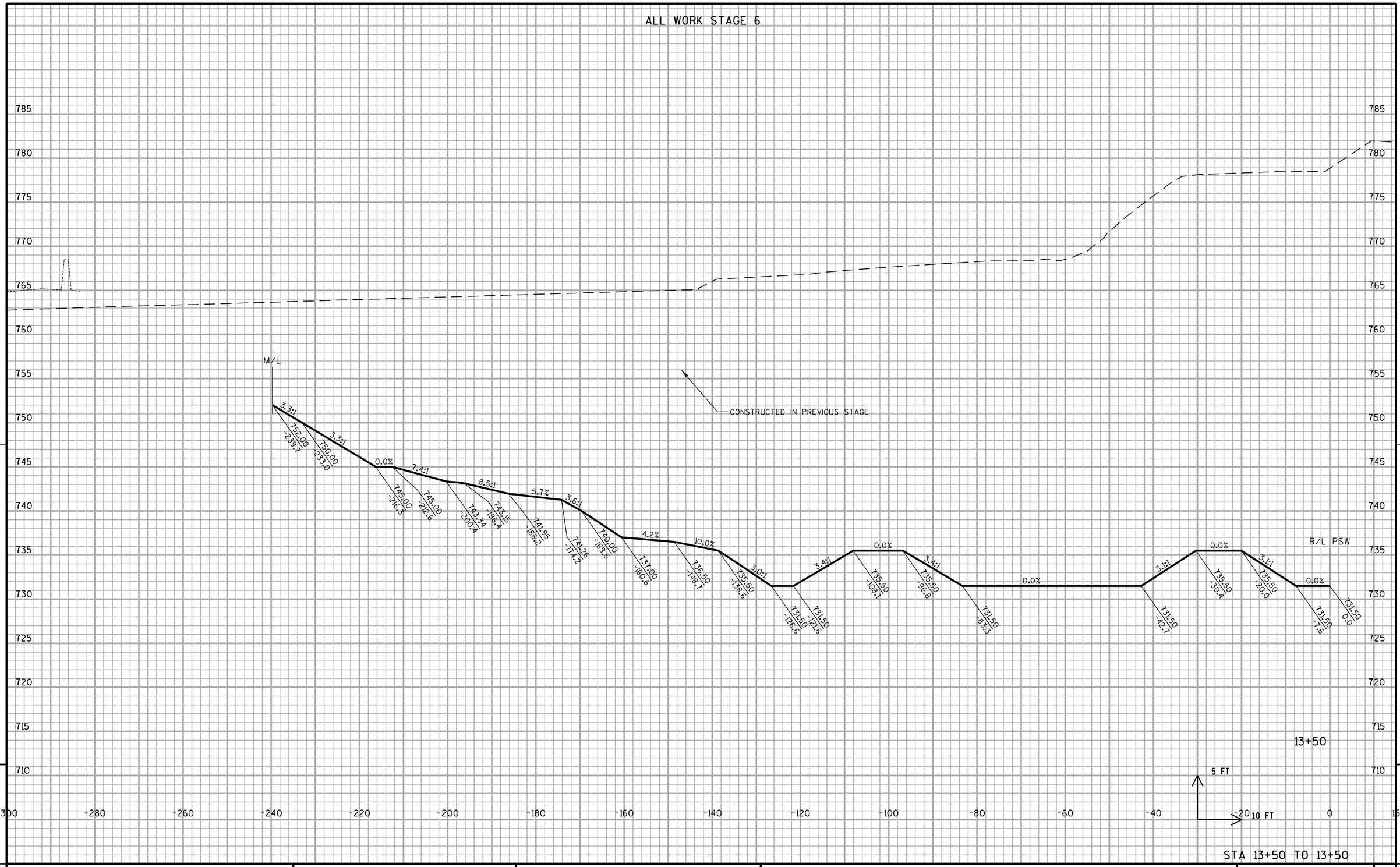
STA 13+00 TO 13+00

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090712_xs_psw_s6_left.dgn
PLOT DATE : 28-APR-2015 03:53
PLOT BY : MSCDYB
PLOT NAME : 090712_xs_psw_s6_left
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

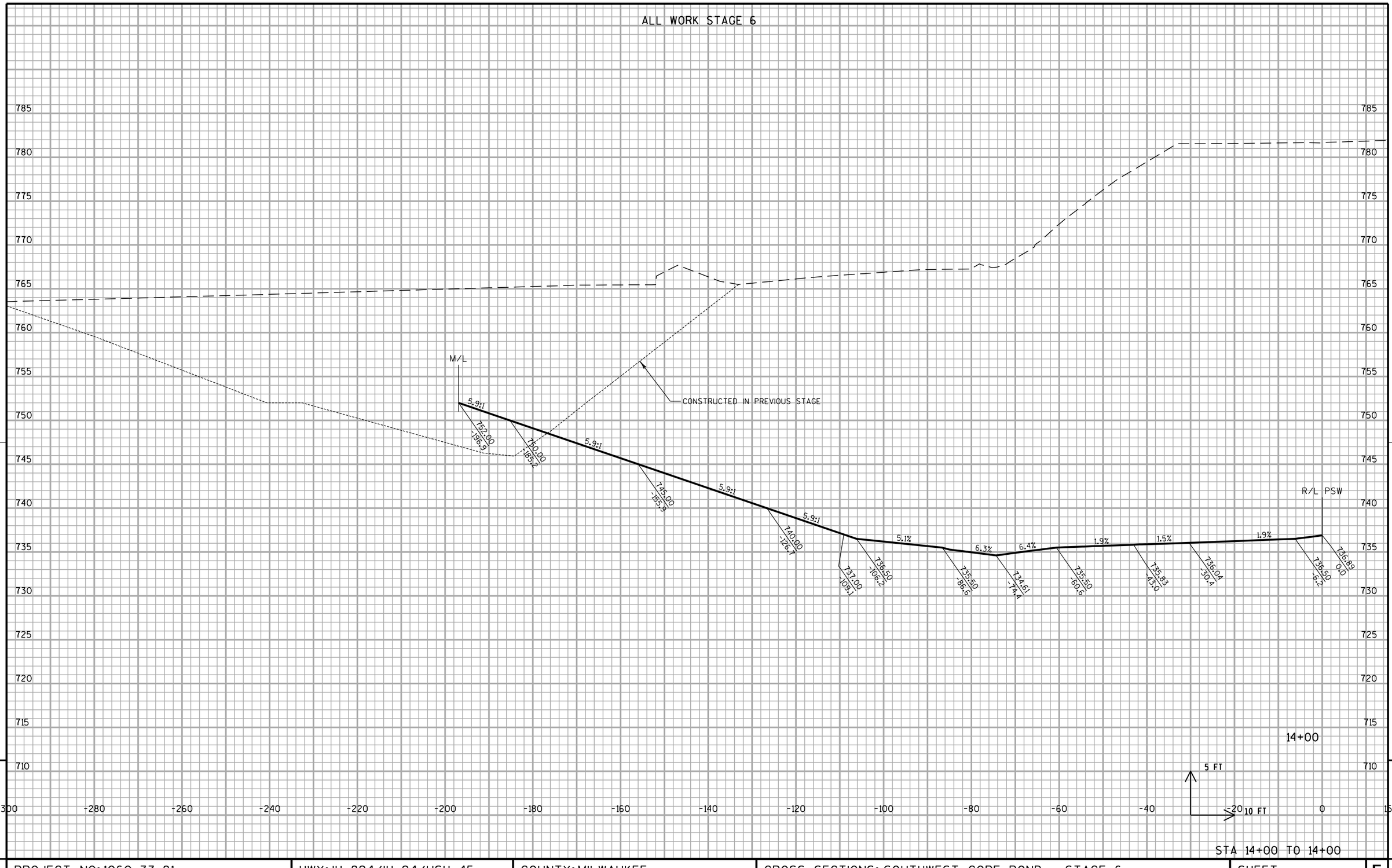


STA 13+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090712_xs_psw_s6_left.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090712_xs_psw_s6_left.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



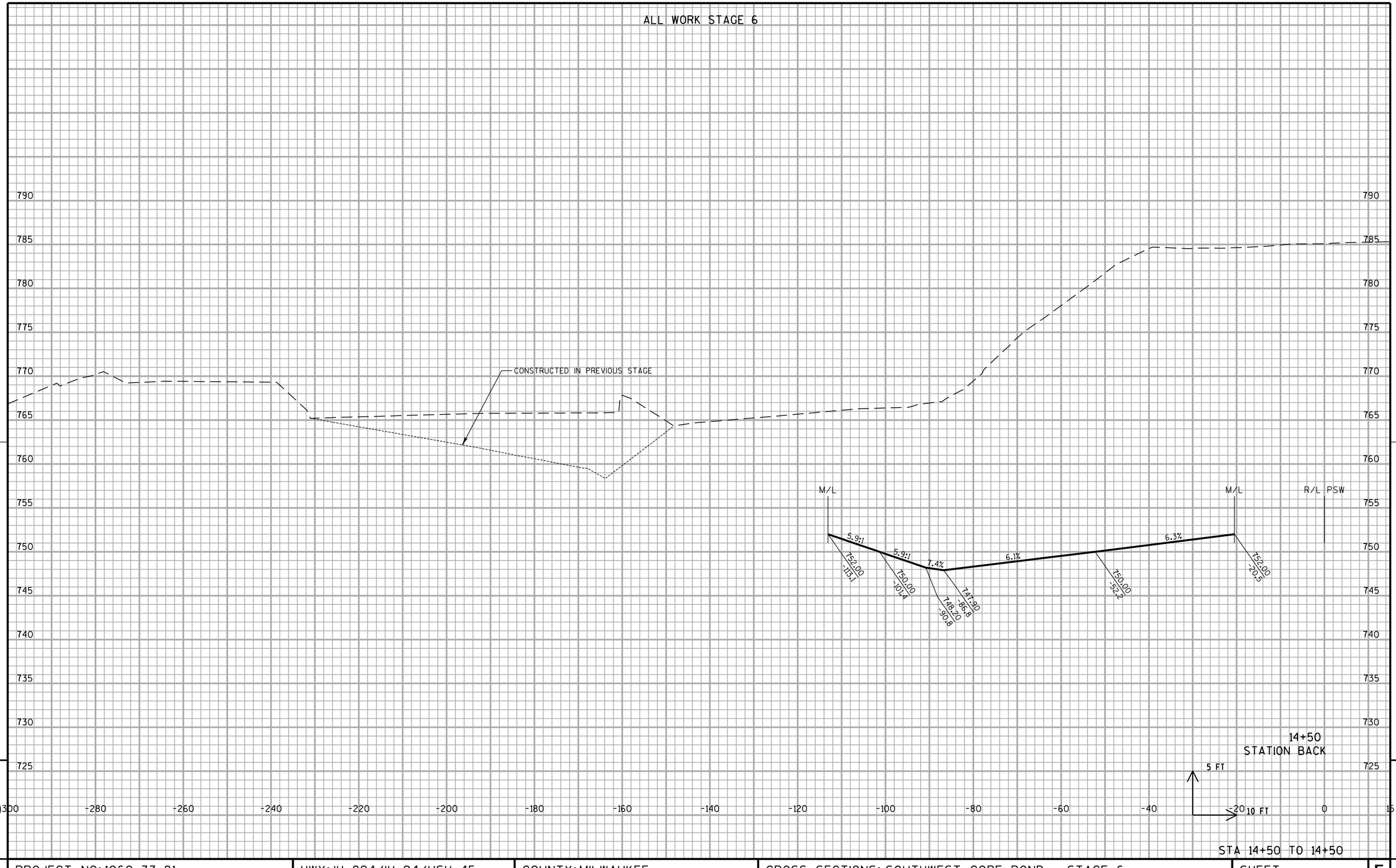
9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

STA 14+00 TO 14+00

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090712_xs_psw_s6_left.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090712_xs_psw_s6_left.dgn PLOT SCALE : 20:1

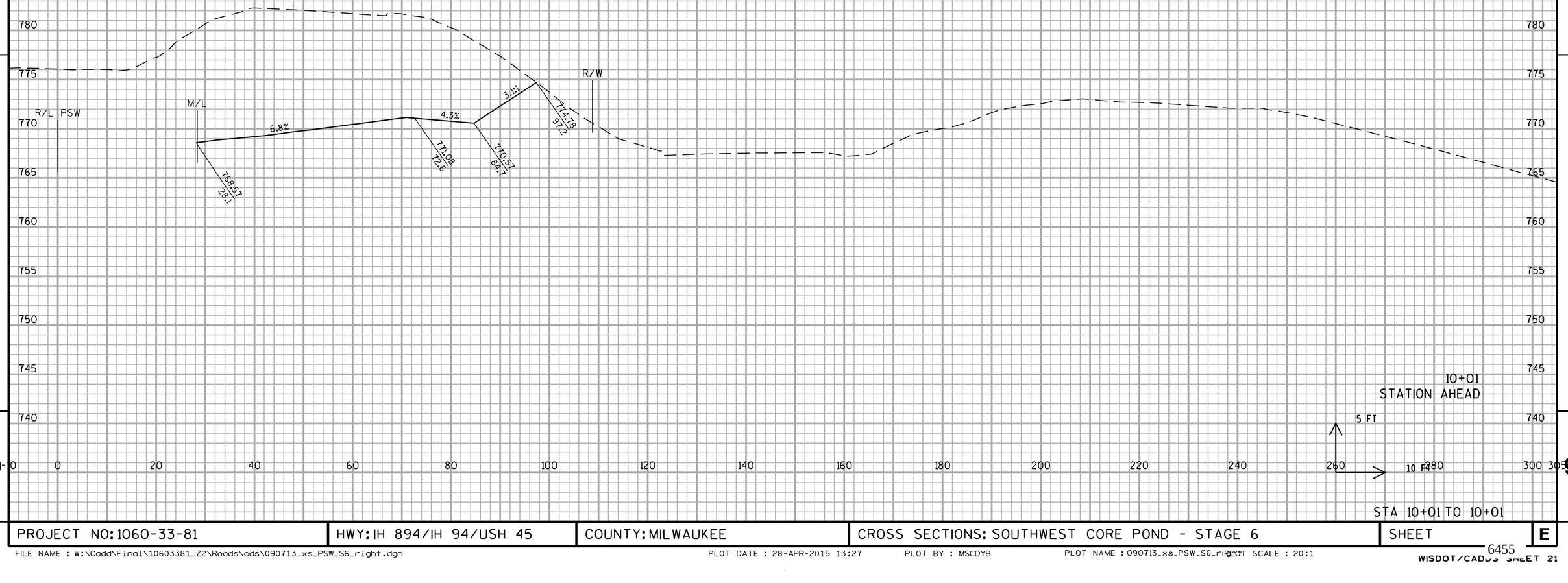
ALL WORK STAGE 6



STA 14+50 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

ALL WORK STAGE 6

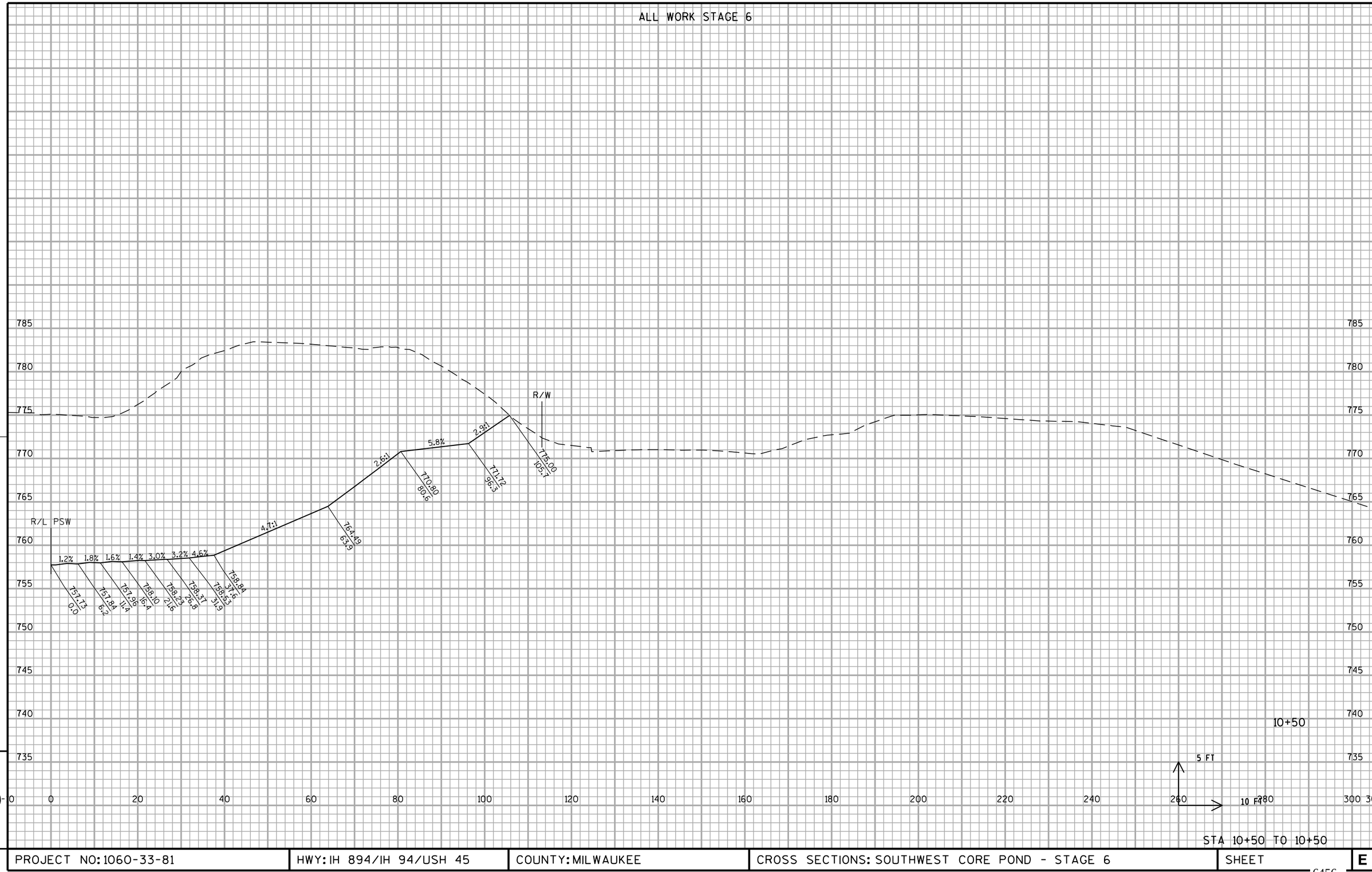


STA 10+01 TO 10+01

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.pl PLOT SCALE : 20:1

ALL WORK STAGE 6

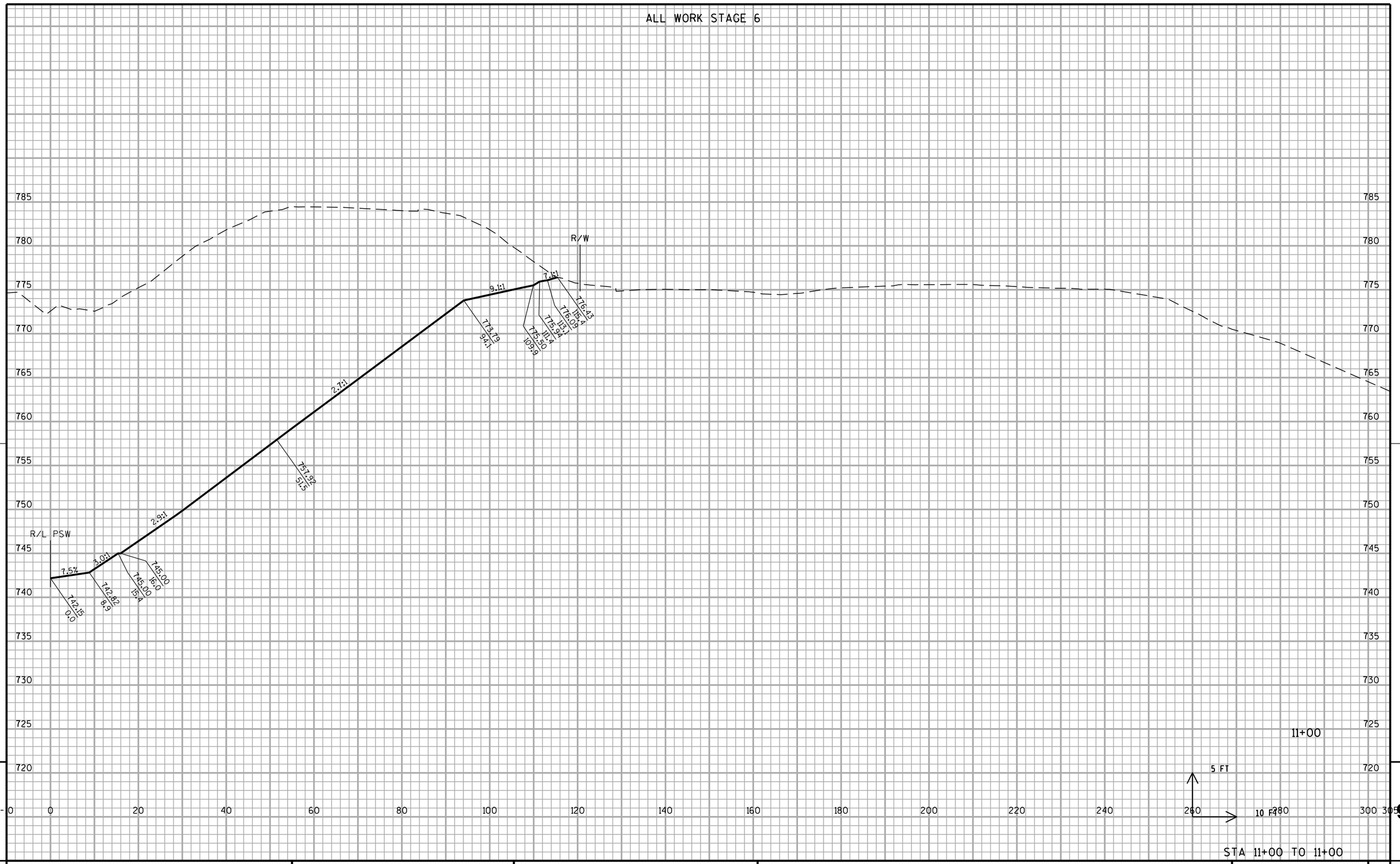


STA 10+50 TO 10+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 11+00 TO 11+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

CONSTRUCTED IN PREVIOUS STAGE

R/W

5.7%

779.04
109.4

780.01
125.0

779.86
124.6

780.27
125.7

2.7:1

757.59
53.2

3.0:1

R/L PSW

738.82
0.0

790 785 780 775 770 765 760 755 750 745 740 735 730 725 720 715

0 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

11+50

5 FT

10 FT

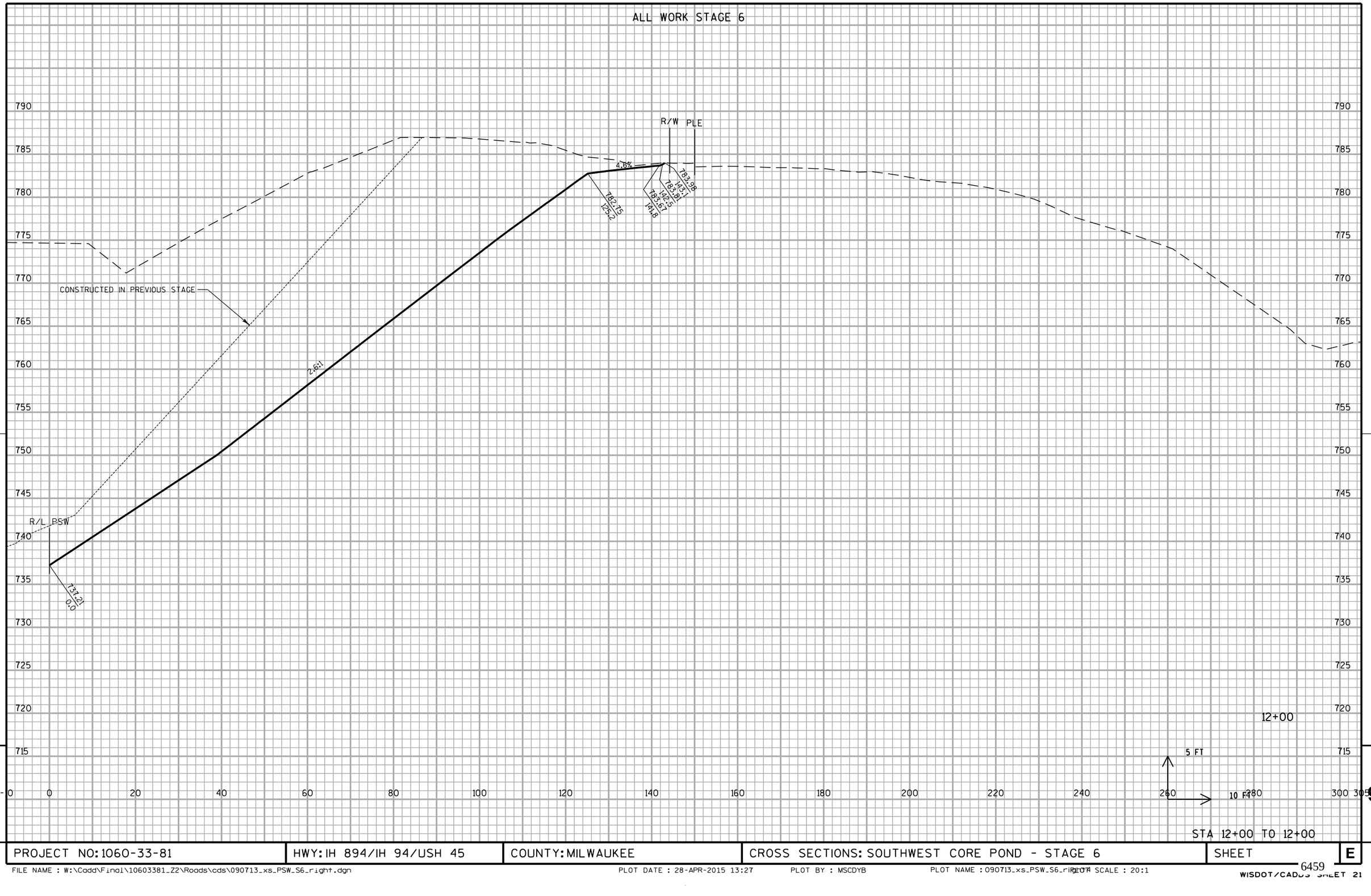
STA 11+50 TO 11+50

9 9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 12+00 TO 12+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 12+50 TO 12+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

R/W

3.8:1

3.9:1

3.4:1

10.5:1

3.1:1

PLE

CONSTRUCTED IN PREVIOUS STAGE

MANAGEMENT OF SOLID WASTE.
SEE PLANS AND SPECIAL PROVISIONS
FOR DETAILS.

R/L PSW

790.92
203.0

786.60
0.0

786.71
4.20

784.20
177.3

783.39
175.8

783.09
174.7

782.03
171.1

780.89
166.5

780.15
164.5

779.41
161.6

737.00
18.7

733.38
0.0

795 790 785 780 775 770 765 760 755 750 745 740 735 730 725 720 715 710

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 305

13+00

5 FT

10 FT

STA 13+00 TO 13+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.tif PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6

MANAGEMENT OF SOLID WASTE.
SEE PLANS AND SPECIAL PROVISIONS
FOR DETAILS.

R/W

PLE

787.02
20:1

3.4:1

R/L PSW

0.0%

3.2:1

9.2%

735.50
2.3:1

736.50
3:1

731.50
0.0

731.50
10.4

13+50

5 FT

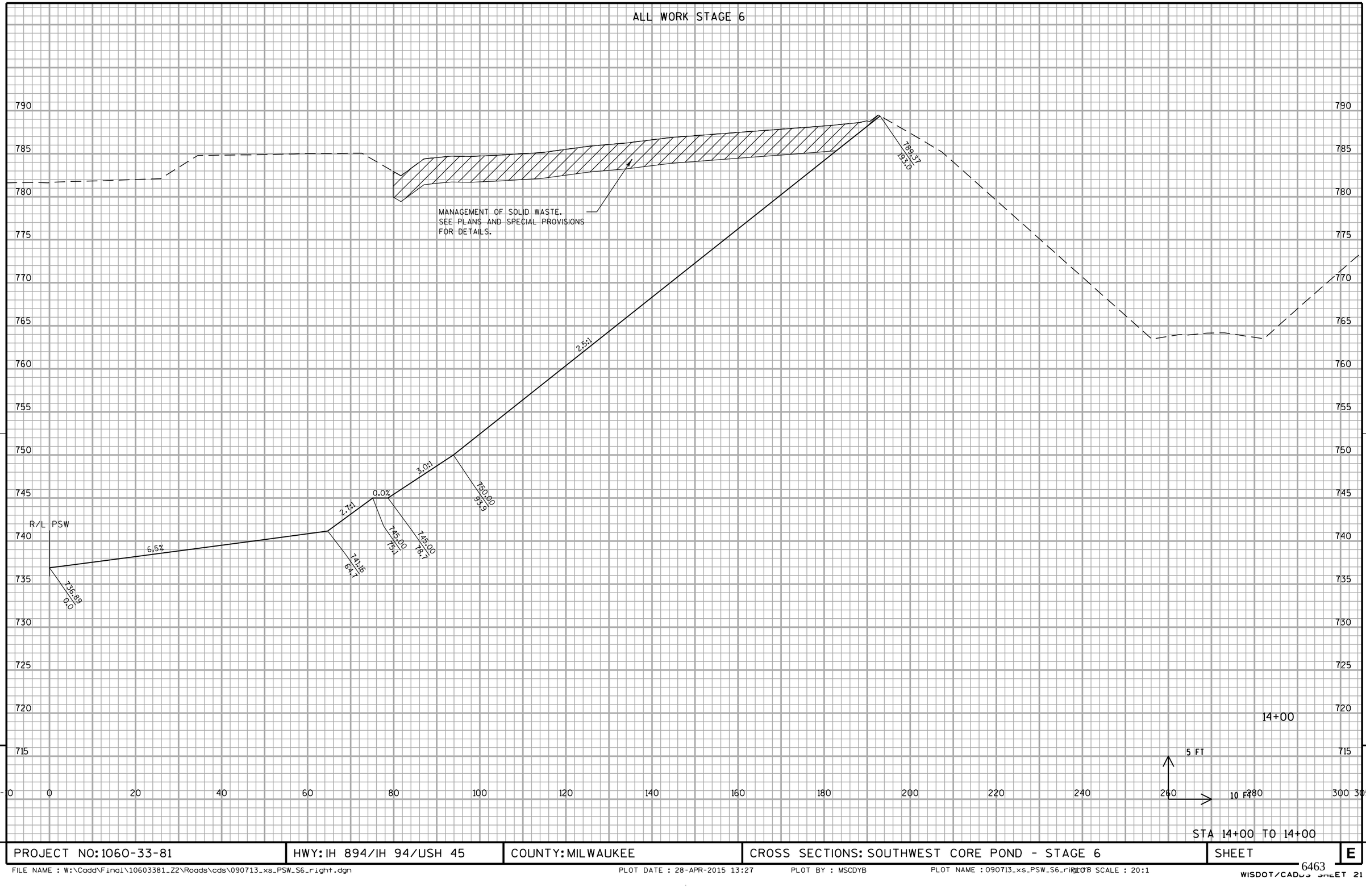
10 FT

STA 13+50 TO 13+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6

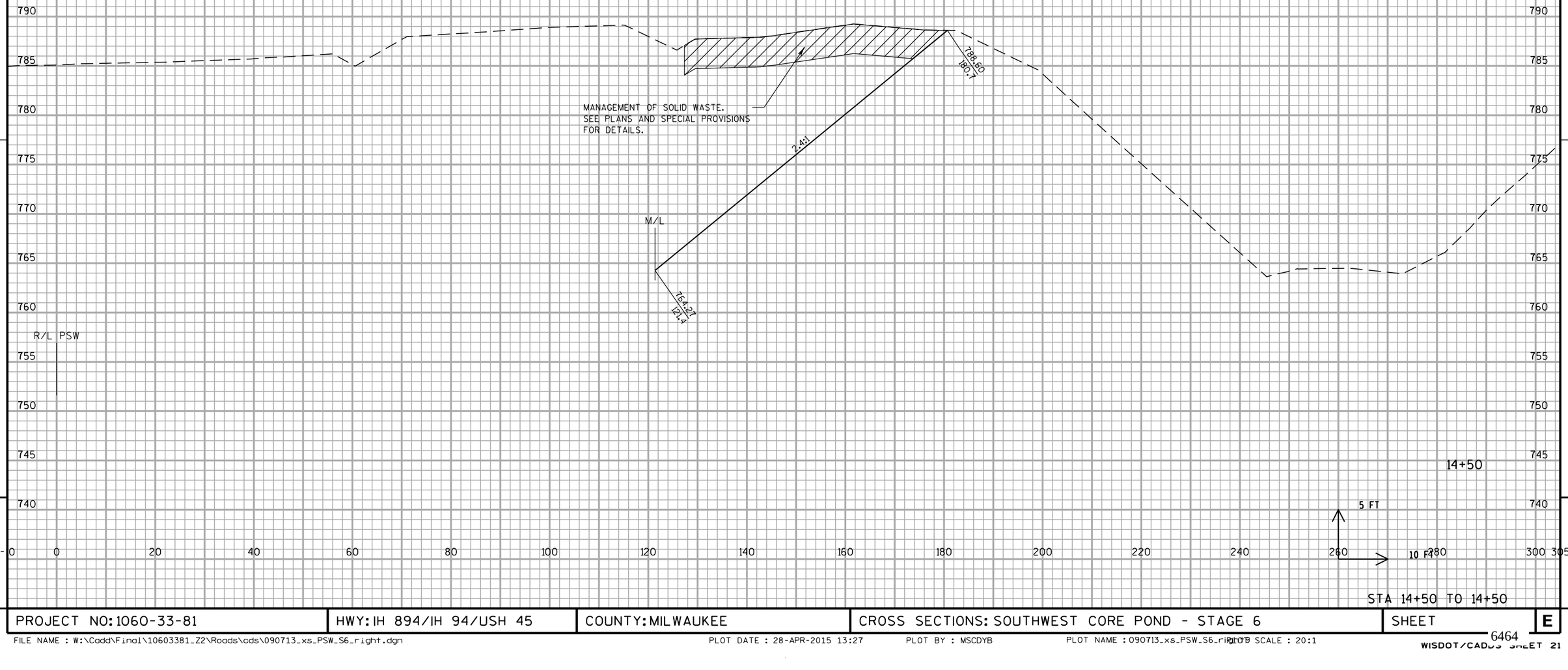


STA 14+00 TO 14+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 6



STA 14+50 TO 14+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

ALL WORK STAGE 6



STA 14+95 TO 14+95

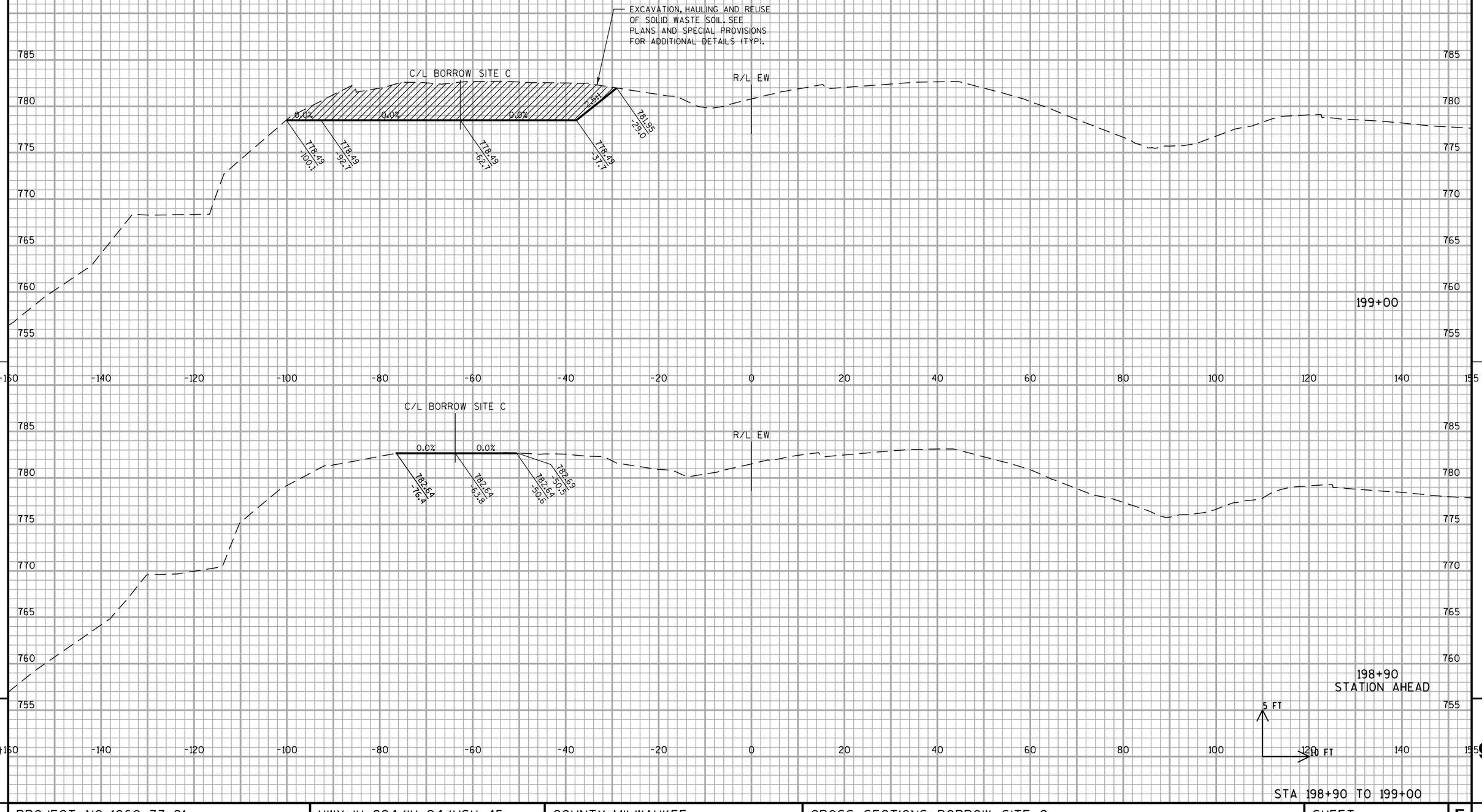
PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHWEST CORE POND - STAGE 6	SHEET	E

9 9

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090713_xs_PSW_S6_right.dgn PLOT DATE : 28-APR-2015 13:27 PLOT BY : MSCDYB PLOT NAME : 090713_xs_PSW_S6_right.dgn PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

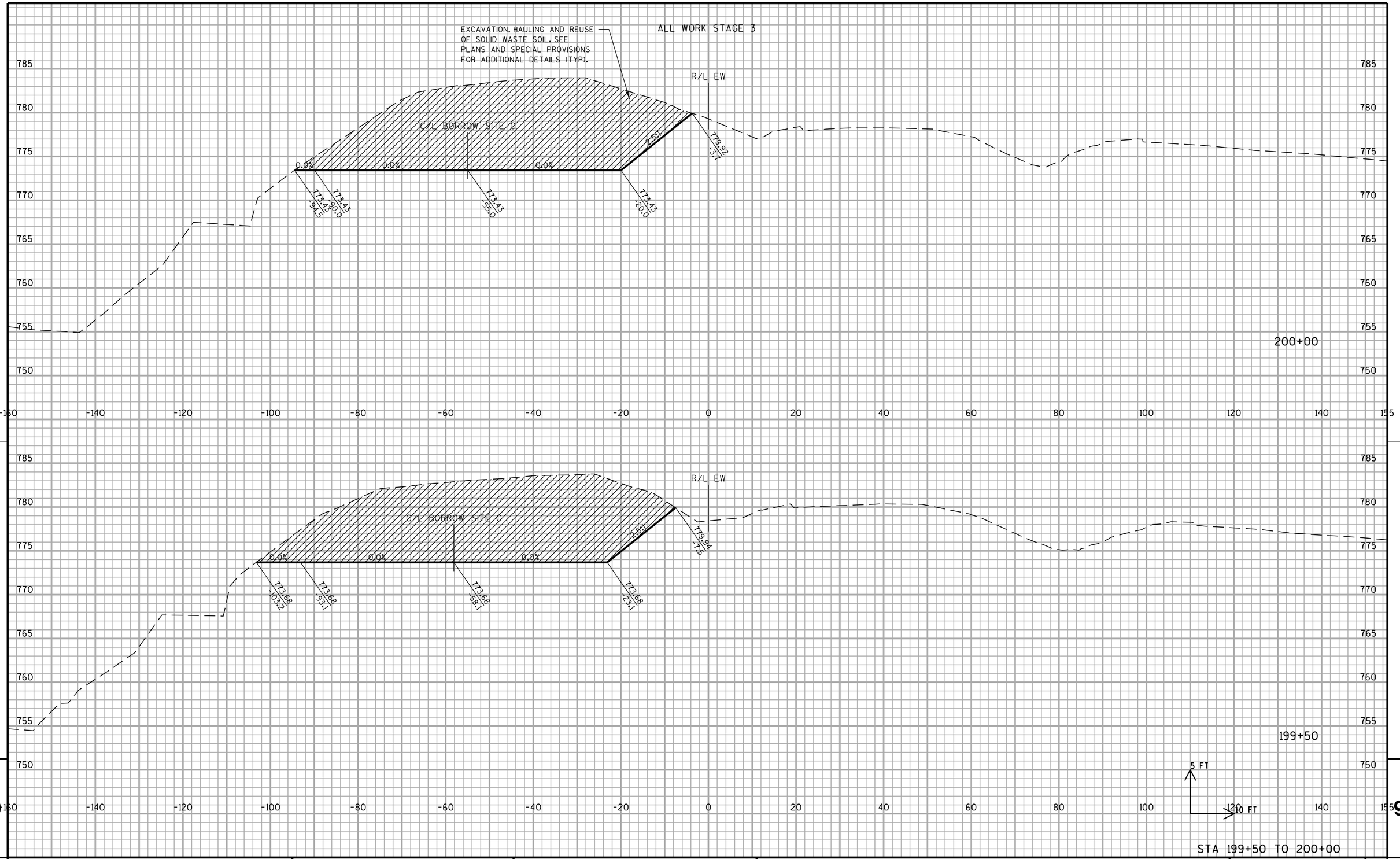
ALL WORK STAGE 3



STA 198+90 TO 199+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BORROW SITE C	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090714_xs_borrow site c.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090714_xs_borrow site c PLOTSCALE : 20:1



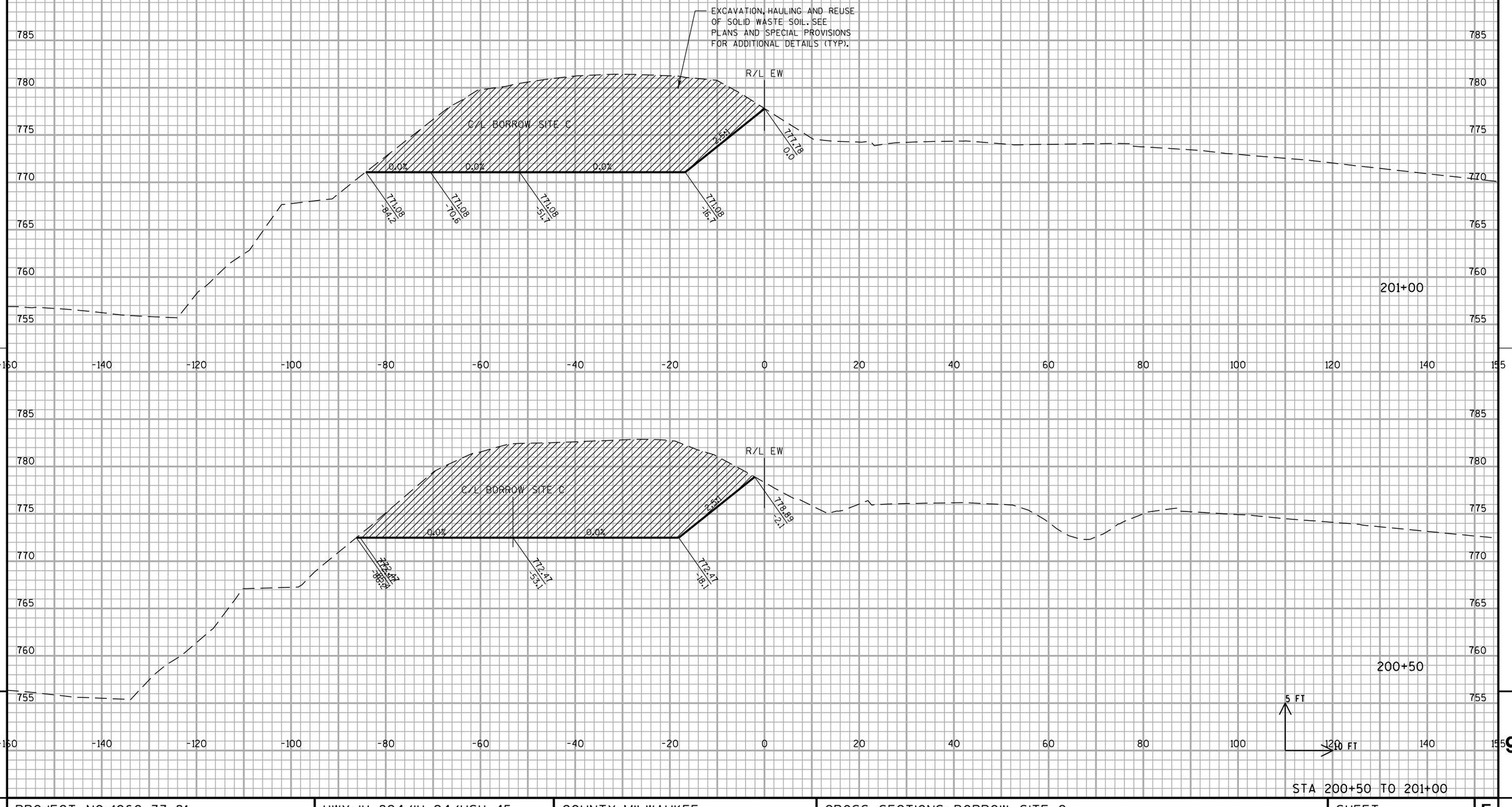
STA 199+50 TO 200+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BORROW SITE C	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090714_xs_borrow site c.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090714_xs_borrow site c.tc PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

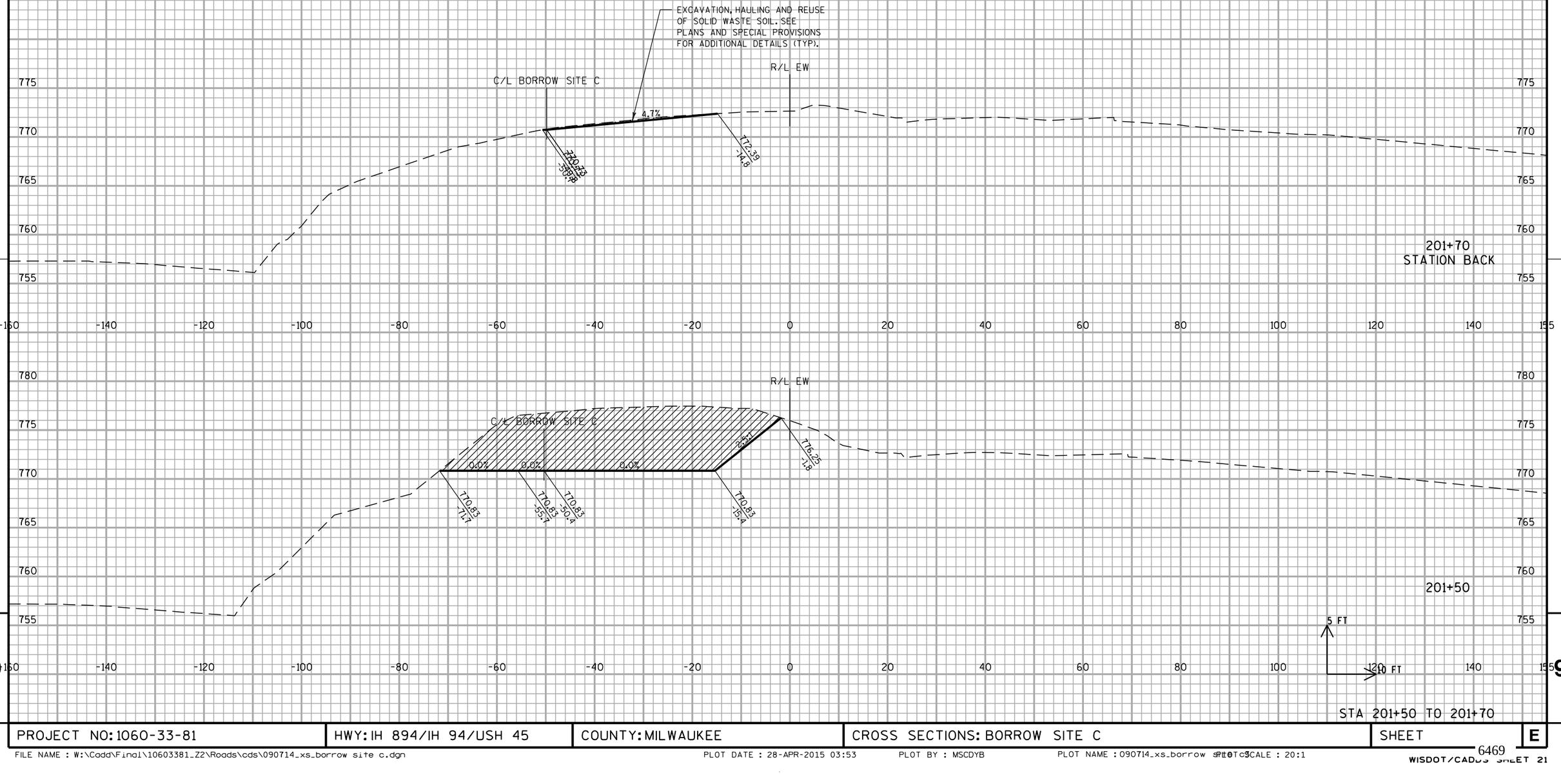
ALL WORK STAGE 3



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BORROW SITE C	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\090714_xs_borrow site c.dgn PLOT DATE : 28-APR-2015 03:53 PLOT BY : MSCDYB PLOT NAME : 090714_xs_borrow site c.dgn PLOT SCALE : 20:1

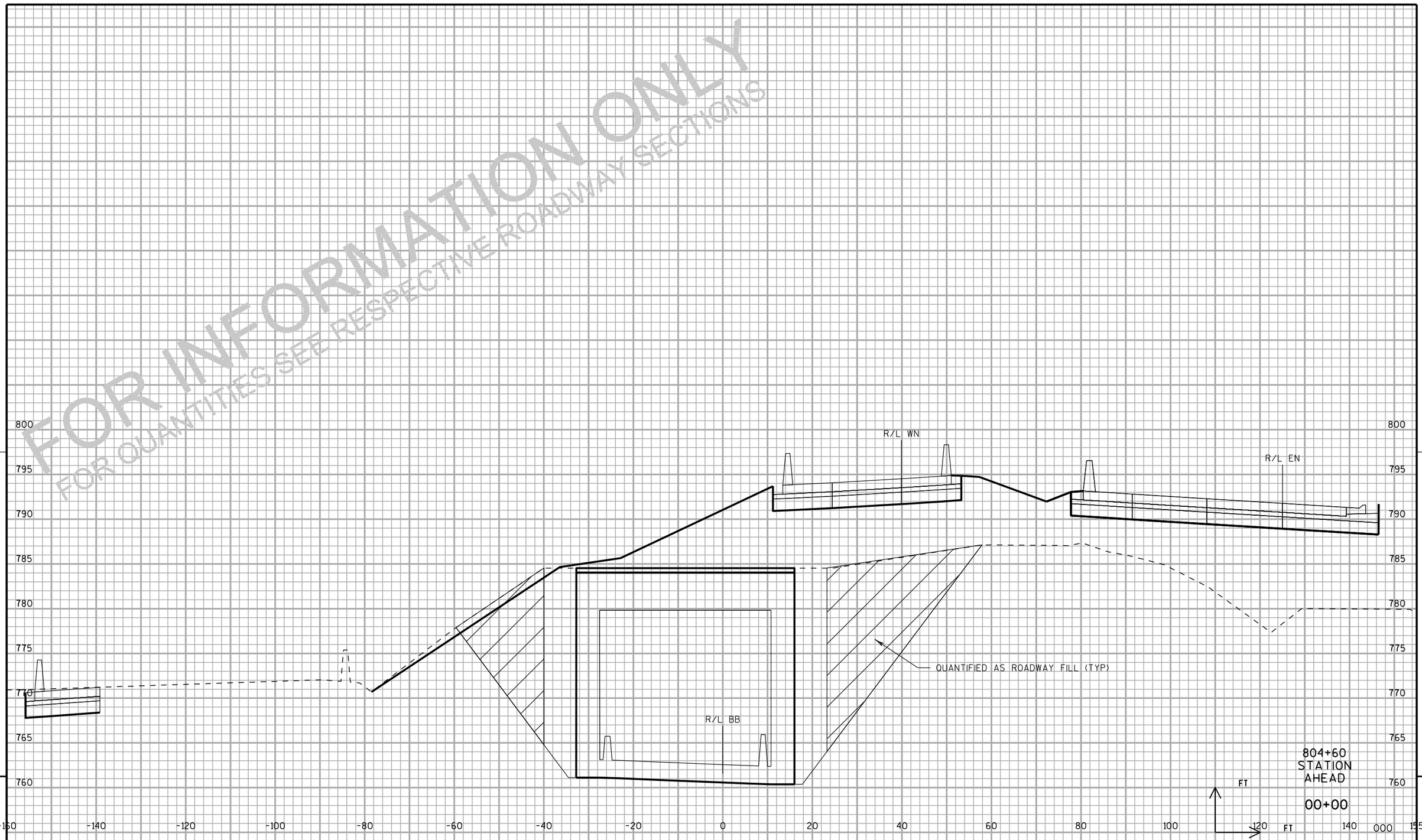
ALL WORK STAGE 3



STA 201+50 TO 201+70

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: BORROW SITE C	SHEET	E

FOR INFORMATION ONLY
FOR QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS

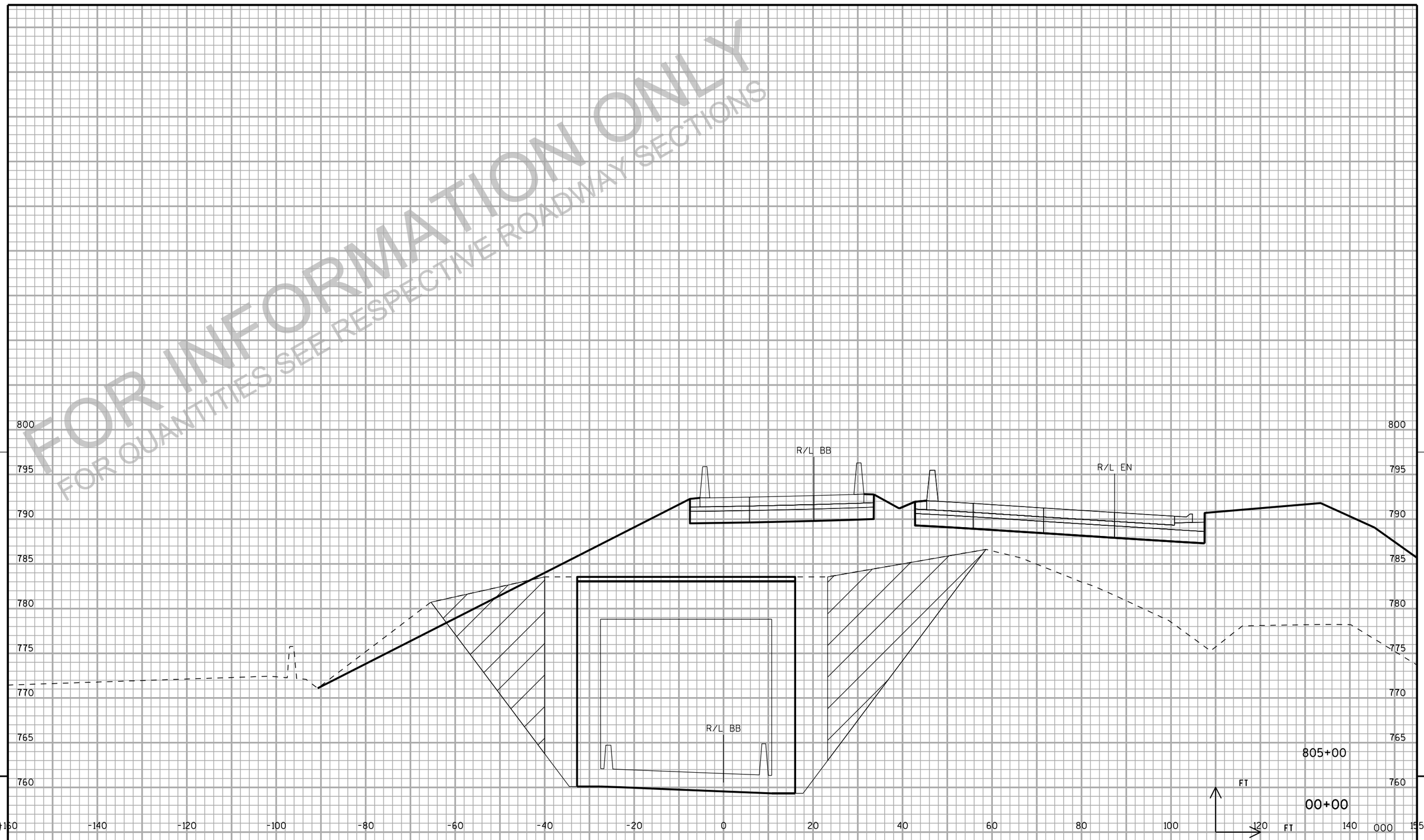


STA 804+60 TO 804+60

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB B-40-858 BACKFILL	SHEET 6470	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\099001_io_xs_BB_Tunnel.dgn PLOT DATE : 29-APR-2015 10:56 PLOT BY : MSCD1S PLOT NAME : 099001_io_xs_BB_Tunnel.dgn PLOT SCALE : 20:1

FOR INFORMATION ONLY
QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS
FOR QUANTITIES



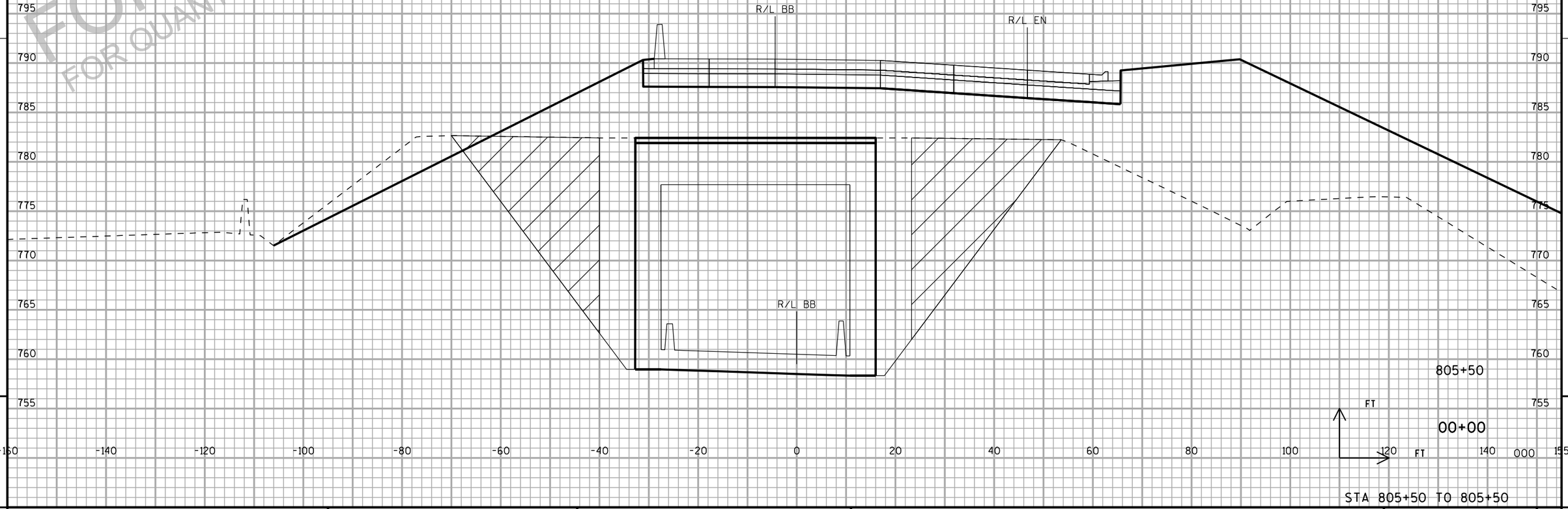
STA 805+00 TO 805+00

9

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB B-40-858 BACKFILL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\099001_io_xs_bb_tunnel.dgn PLOT DATE : 28-APR-2015 03:54 PLOT BY : MSCDYB PLOT NAME : 099001_io_xs_bb_tunnel.dgn PLOT SCALE : 20:1

FOR INFORMATION ONLY
FOR QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS

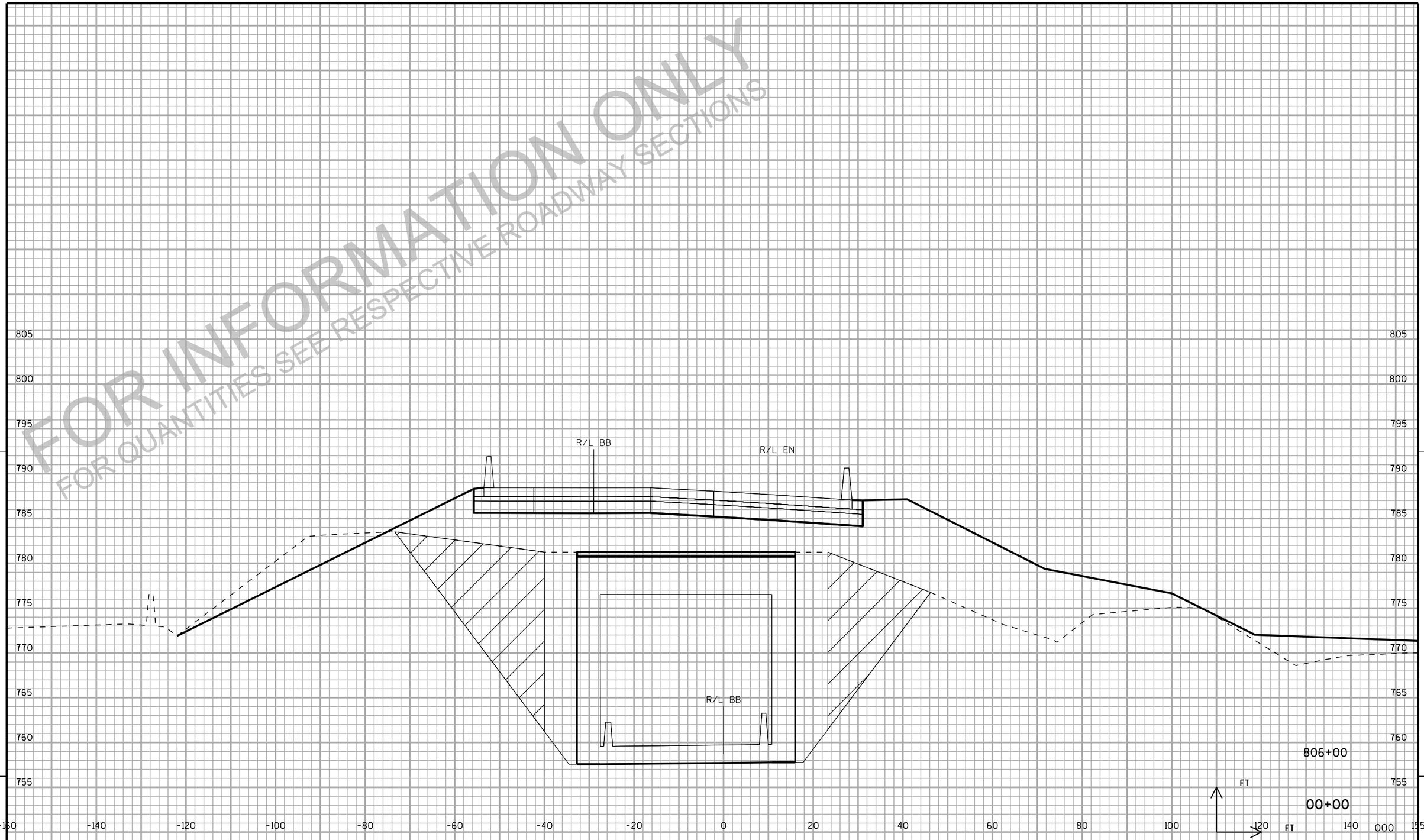


STA 805+50 TO 805+50

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB B-40-858 BACKFILL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\099001_io_xs_bb_tunnel.dgn
PLOT DATE : 28-APR-2015 03:54
PLOT BY : MSCDYB
PLOT NAME : 099001_io_xs_bb_tunnel.dgn
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

FOR INFORMATION ONLY
QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS
FOR QUANTITIES

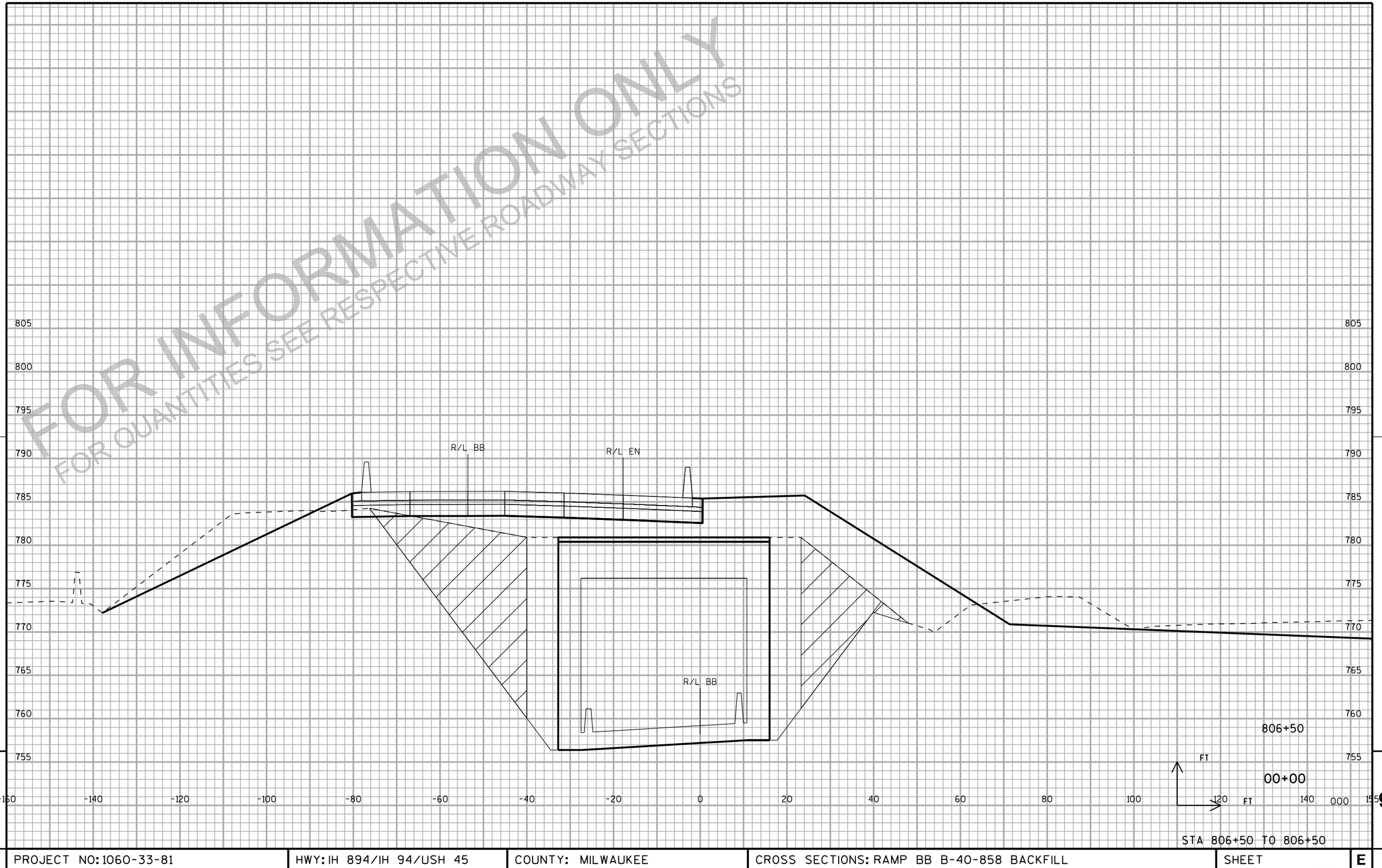


STA 806+00 TO 806+00

PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB B-40-858 BACKFILL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\099001_io_xs_bb_tunnel.dgn PLOT DATE : 28-APR-2015 03:54 PLOT BY : MSCDYB PLOT NAME : 099001_io_xs_bb_tunnel.dgn PLOT SCALE : 20:1

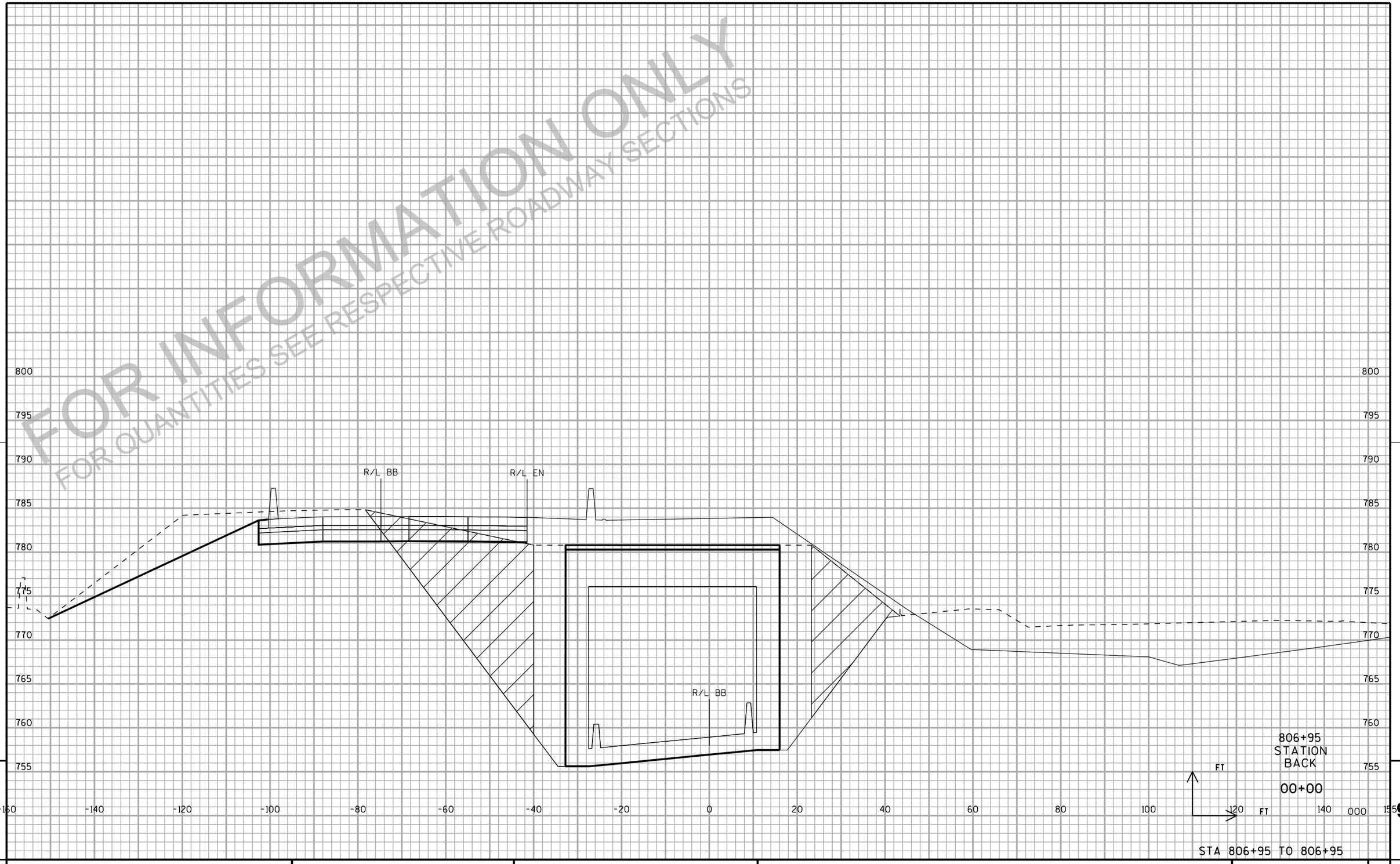
FOR INFORMATION ONLY
QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS
FOR QUANTITIES



PROJECT NO: 1060-33-81	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CROSS SECTIONS: RAMP BB B-40-858 BACKFILL	SHEET	E

FILE NAME : W:\Cadd\Final\10603381_Z2\Roads\cds\099001_io_xs_bb_tunnel.dgn PLOT DATE : 28-APR-2015 03:54 PLOT BY : MSCDYB PLOT NAME : 099001_io_xs_bb_tunnel.dgn PLOT SCALE : 20:1

FOR INFORMATION ONLY
FOR QUANTITIES SEE RESPECTIVE ROADWAY SECTIONS



STA 806+95 TO 806+95

9 9

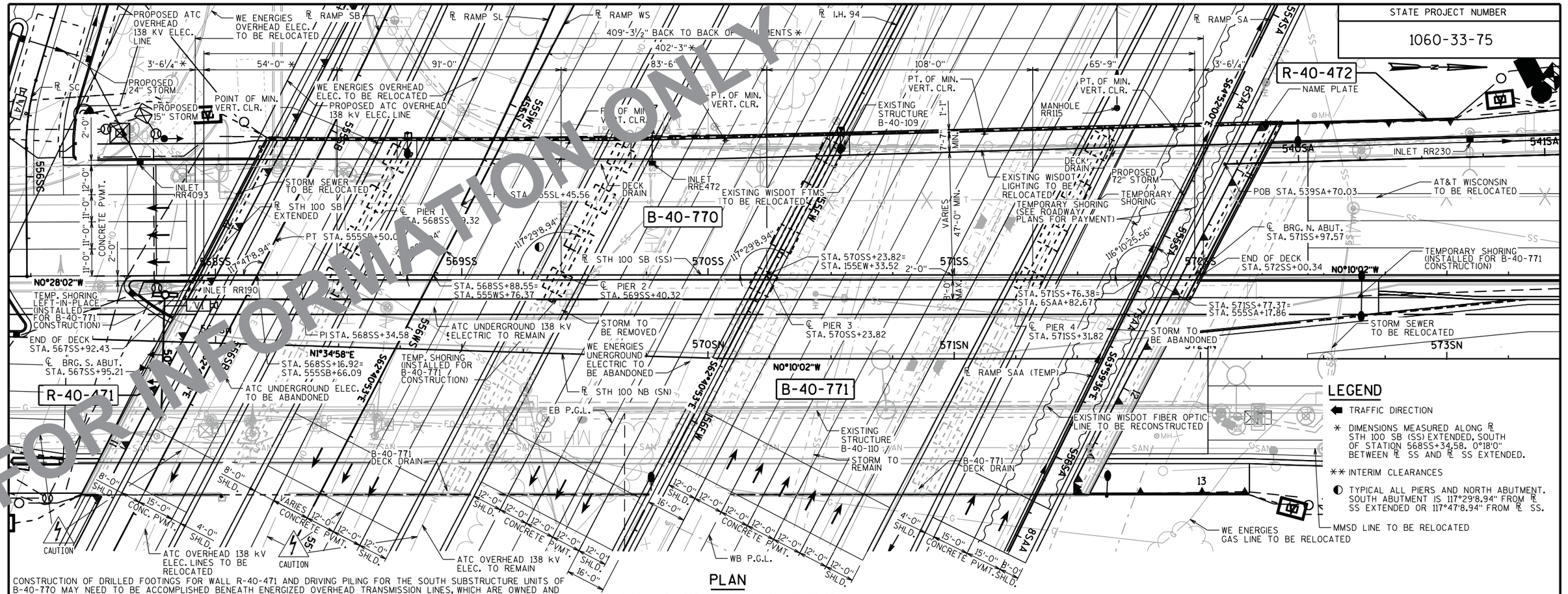
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FOR INFORMATION ONLY

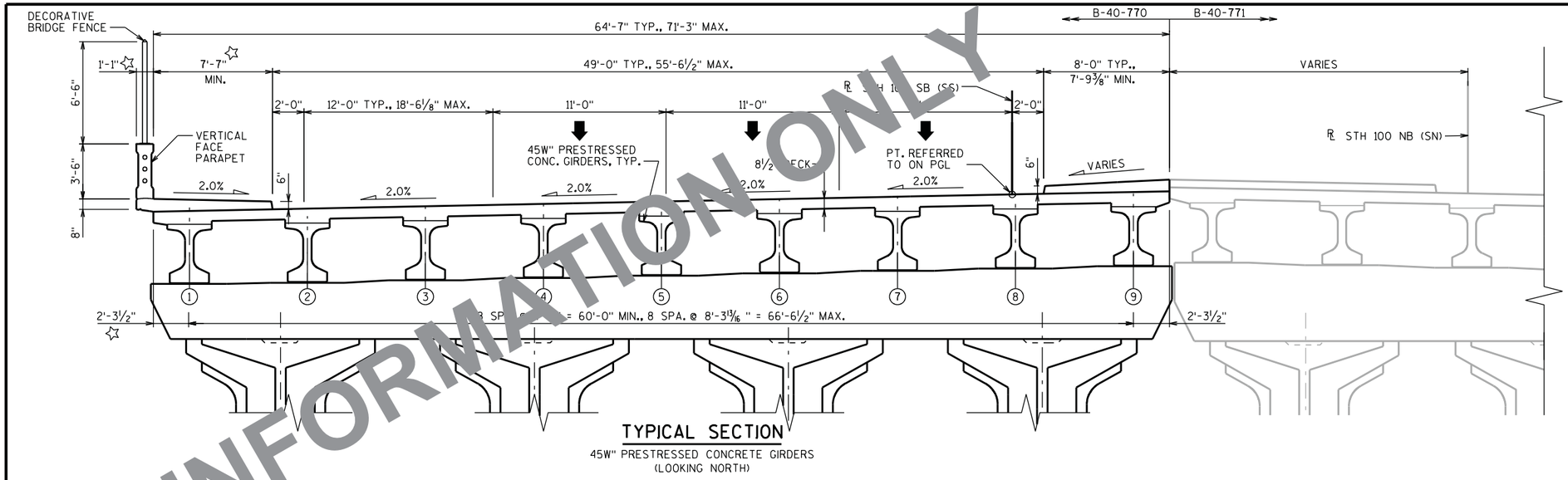
STATE PROJECT NUMBER

1060-33-75


R-40-472
NAME PLATE
R-40-471
B-40-770
B-40-771
PROPOSED ATC OVERHEAD 138 KV ELEC. LINE
WE ENERGIES OVERHEAD ELEC. TO BE RELOCATED
℄ RAMP SB
℄ RAMP SL
℄ RAMP WS
℄ I.H. 94
℄ RAMP SA
409'-3½" BACK TO BACK OF ABUTMENTS *
402'-3" *
54'-0" *
91'-0"
83'-6"
108'-0"
65'-9"
3'-6¼" *
PROPOSED 24" STORM
PROPOSED 15" STORM
POINT OF MIN. VERT. CLR.
PT. OF MIN. VERT. CLR.
EXISTING STRUCTURE B-40-109
MANHOLE RR115
INLET RR4093
INLET RR230
INLET RR190
INLET RRE472
DECK DRAIN
PROPOSED 72" STORM
TEMPORARY SHORING
TEMPORARY SHORING (SEE ROADWAY PLANS FOR PAYMENT)
EXISTING WISDOT LIGHTING TO BE RELOCATED
EXISTING WISDOT FTMS TO BE RELOCATED
STORM SEWER TO BE RELOCATED
AT&T WISCONSIN TO BE RELOCATED
POB STA. 539SA+70.03
℄ BRG. N. ABUT. STA. 571SS+97.57
END OF DECK STA. 572SS+00.34
TEMPORARY SHORING (INSTALLED FOR B-40-771 CONSTRUCTION)
℄ BRG. S. ABUT. STA. 567SS+95.21
END OF DECK STA. 567SS+92.43
TEMP. SHORING LEFT-IN-PLACE (INSTALLED FOR B-40-771 CONSTRUCTION)
℄ STH 100 SB EXTENDED
℄ STH 100 SB (SS)
℄ STH 100 NB (SN)
PT STA. 555SB+50.0
PI STA. 568SS+34.58
STA. 568SS+16.92= STA. 555SB+66.09
STA. 568SS+88.55= STA. 555WS+76.37
STA. 570SS+23.82= STA. 155EW+33.52
STA. 571SS+76.38= STA. 6SAA+82.67
STA. 571SS+77.37= STA. 555SA+17.86
℄ PIER 1 STA. 568SS+
℄ PIER 2 STA. 569SS+40.32
℄ PIER 3 STA. 570SS+23.82
℄ PIER 4 STA. 571SS+31.82
ATC UNDERGROUND 138 kV ELECTRIC TO REMAIN
ATC UNDERGROUND ELEC. TO BE ABANDONED
TEMP. SHORING (INSTALLED FOR B-40-771 CONSTRUCTION)
STORM TO BE REMOVED
STORM TO BE ABANDONED
STORM SEWER TO BE RELOCATED
WE ENERGIES UNERGROUND ELECTRIC TO BE ABANDONED
EXISTING STRUCTURE B-40-110
STORM TO REMAIN
EXISTING WISDOT FIBER OPTIC LINE TO BE RECONSTRUCTED
WE ENERGIES GAS LINE TO BE RELOCATED
MMSD LINE TO BE RELOCATED
B-40-771 DECK DRAIN
EB P.G.L.
WB P.G.L.
ATC OVERHEAD 138 kV ELEC. LINES TO BE RELOCATED
ATC OVERHEAD 138 kV ELEC. TO REMAIN
CAUTION
CONCRETE PVMT.
SHLD.
N0°28'02"W
N1°34'58"E
N0°10'02"W
117°47'8.94"
117°29'8.94"
116°10'25.56"
568SS
569SS
570SS
571SS
572SS
570SN
571SN
573SN
540SA
541SA
570SW
571SW
572SW
573SW
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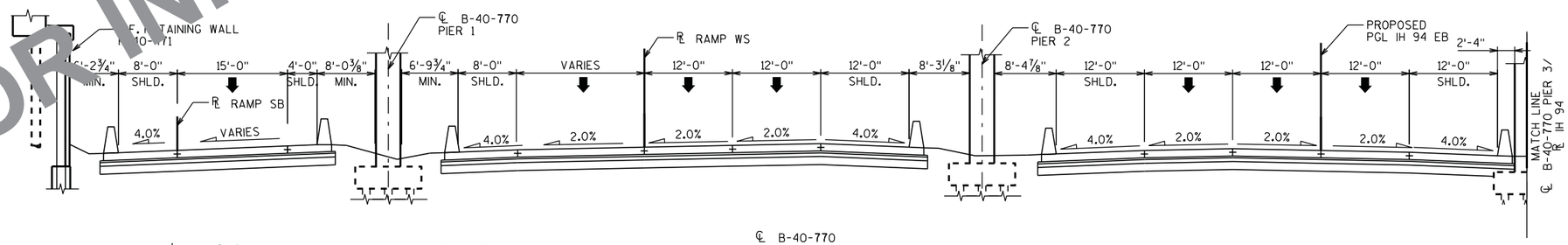
FOR INFORMATION ONLY

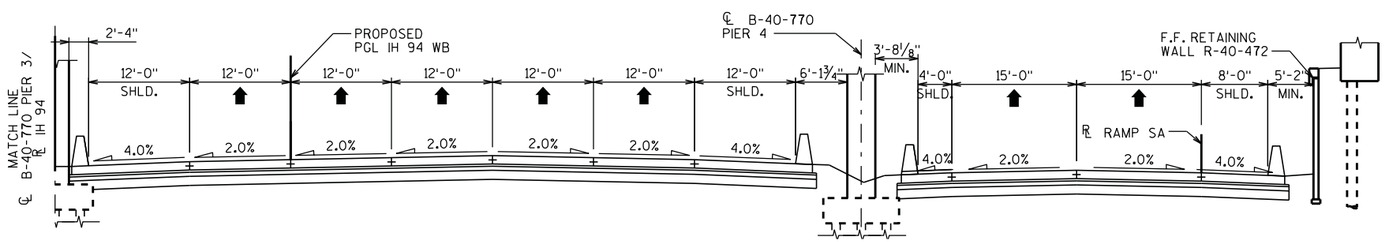
STATE PROJECT NUMBER
1060-33-75



TYPICAL SECTION

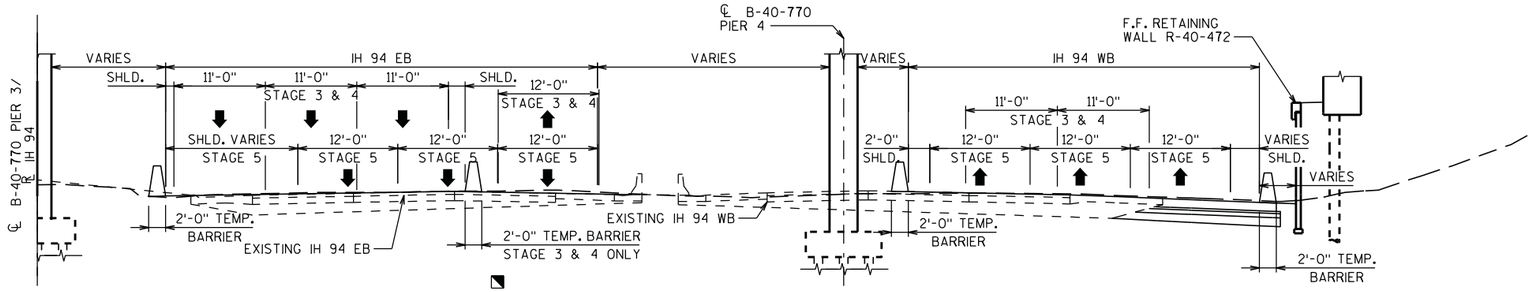
45W" PRESTRESSED CONCRETE GIRDERS
(LOOKING NORTH)





IH 94 ULTIMATE TYPICAL SECTION UNDER STH 100 SB BRIDGE

(LOOKING WEST)
DIMENSIONS NORMAL TO PIER FACES AND LANES



IH 94 INTERIM TYPICAL SECTION UNDER STH 100 SB BRIDGE (NORTH OF PIER 3)

(LOOKING WEST)
DIMENSIONS NORMAL TO PIER FACES AND LANES

NOTES

☆ DIMENSION IS TAKEN NORMAL TO WEST EDGE OF PROPOSED STRUCTURE

◥ INTERIM TYPICAL SECTION INDICATES TRAFFIC CONFIGURATION DURING THIS CONTRACT. ADDITIONAL TRAFFIC STAGES WILL BE REQUIRED TO BUILD THE ULTIMATE TYPICAL SECTION IN FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-770

DRAWN BY EAJ | PLANS CK'D. MPM

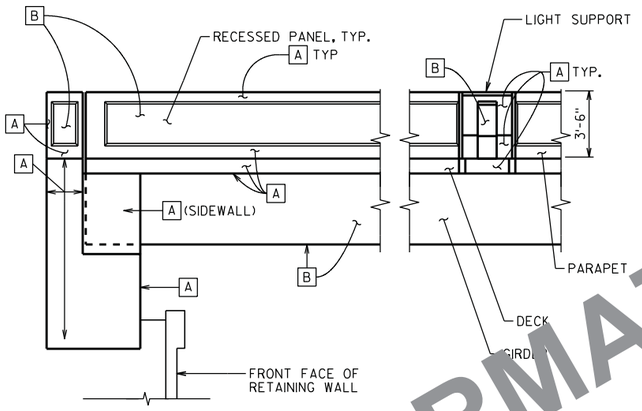
TYPICAL SECTIONS

SHEET 2 OF 49

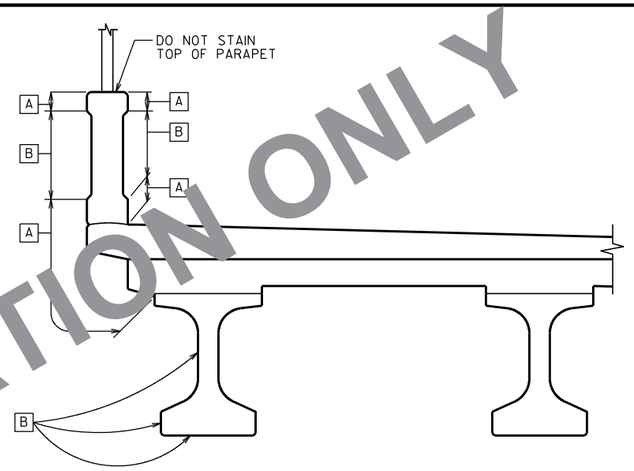
6477

FOR INFORMATION ONLY

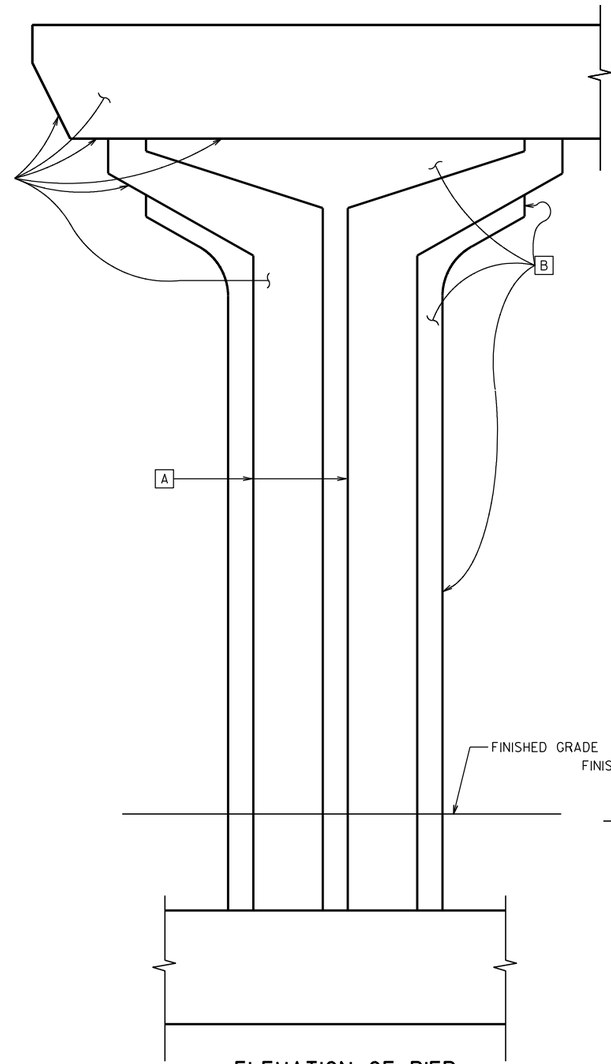
STATE PROJECT NUMBER
1060-33-75



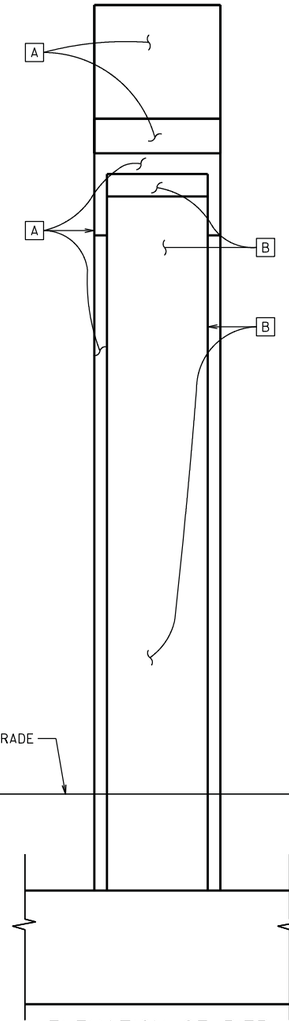
OUTSIDE ELEVATION OF PARAPET



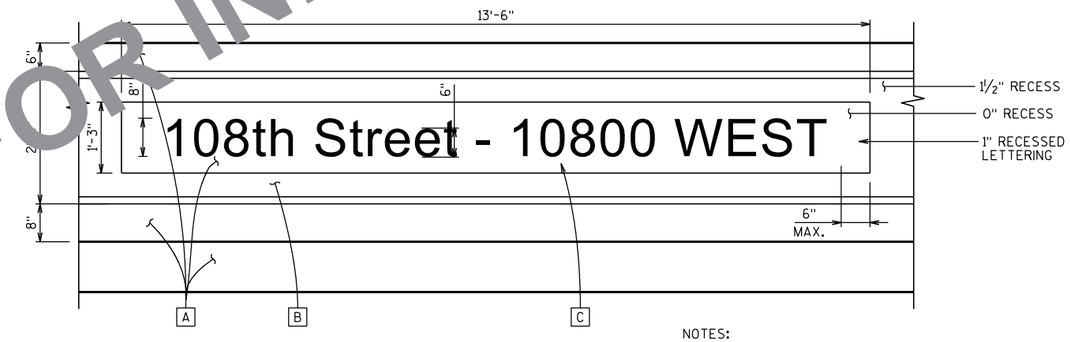
ELEVATION OF DECK



ELEVATION OF PIER



ELEVATION OF PIER
END VIEW



INDENTED TEXT
EXTERIOR FACE OF PARAPET ONLY

NOTES:
LETTERING SHALL BE HELVETICA, 8" UPPER CASE AND 6" LOWER CASE.

SEE SHEETS VERTICAL FACED PARAPET (1 OF 2) AND VERTICAL FACED PARAPET (2 OF 2) FOR LOCATIONS

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	INTERIOR BARRIER	BOTH SIDES
		PARAPETS	BOTH SIDE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		SIDEWALKS	FASCIA & EXPOSED UNDERSIDE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF CONCRETE SLOPE PAVING
		PIERS	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM, AND COLUMNS TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON BOTH SIDES AND AT EACH RAISED PANEL ON LIGHT BLISTERS
		GIRDERS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS
		PIERS	REVEALS ON COLUMNS
C	ACCENT COLOR #2	PARAPETS	LETTERING AT ROADWAY NAME

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW..

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448
ACCENT COLOR #2: FEDERAL COLOR - 37038

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-770

DRAWN BY EAJ | PLANS CK'D. HDA

AESTHETIC DETAILS

SHEET 46 OF 49

8

8

FILE NAME : W:\Cadd\Final\10603375_RR1\Structs\B-40-770 Hwy 100 SB\cds\080705_ae.dgn PLOT DATE : 01-MAY-2013 15:45 PLOT BY : MSCKTM PLOT NAME : 080705_ae PLOT SCALE : 4:1

FOR INFORMATION ONLY

LEGEND

- TRAFFIC DIRECTION
- TYPICAL ANGLE BETWEEN INTERSECTION OF ℄ STH 100 NB (SN) AND ℄ RAMP SB, ℄ RAMP WS AND ℄ OF FOLLOWING SUBSTRUCTURE UNITS: S. ABUTMENT, PIER 1, PIER 2 & PIER 3.
- TYPICAL ANGLE BETWEEN ℄ STH 100 NB (SN) AND ℄ OF FOLLOWING SUBSTRUCTURE UNITS: N. ABUTMENT & PIER 4.
- * DIMENSIONS MEASURED ALONG ℄ STH 100 NB (SN) EXTENDED, SOUTH OF STA. 570SN+08.61. 1°45'0" BETWEEN ℄ SN AND ℄ SN EXTENDED.
- ** INTERIM CLEARANCES

STATE PROJECT NUMBER
1060-33-75

R-40-471 · B-40-770 · B-40-771 · R-40-472

CAUTION

PROPOSED ATC OVERHEAD 138 kV ELEC. LINE

INLET RR4093 · INLET RR192 · INLET RR190 · INLET RRE472 · INLET RR230 · INLET R200

TEMPORARY SHORING LEFT-IN-PLACE

STORM SEWER TO BE RELOCATED

WE ENERGIES OVERHEAD ELEC. TO BE RELOCATED

WE ENERGIES OVERHEAD ELEC. TO BE RELOCATED ℄ RAMP WS

WE ENERGIES UNDERGROUND ELEC. LINE TO BE ABANDONED

ATC UNDERGROUND ELEC. TO BE ABANDONED

ATC UNDERGROUND 138 kV ELEC. TO REMAIN

ATC OVERHEAD 138 kV ELEC TO REMAIN

ATC OVERHEAD 138 kV ELEC LINES TO BE RELOCATED

EXITING WISDOT LIGHTING TO BE RELOCATED

EXISTING WISDOT FTMS TO BE RELOCATED

EXISTING WISDOT FIBER OPTIC LINE TO BE RECONSTRUCTED

AT&T WISCONSIN TO BE RELOCATED

WE ENERGIES GAS LINE TO BE RELOCATED

MMSD LINE TO BE RELOCATED

STORM TO BE RELOCATED

STORM TO BE ABANDONED

STORM TO REMAIN

TEMPORARY SHORING (SEE ROADWAY PLANS FOR PAYMENT)

TEMPORARY SHORING

TEMPORARY SHORING (SEE ROADWAY PLANS FOR PAYMENT)

℄ R STH 100 NB (SN) EXTENDED

℄ EB PGL · ℄ WB PGL · ℄ R I.H. 94 · ℄ R RAMP SA · ℄ R RAMP SB · ℄ R RAMP WS · ℄ R STH 100 SB (SS) · ℄ R RAMP SAA (TEMP)

℄ PIER 1 STA. 568SN+34.41 · ℄ PIER 2 STA. 569SN+24.02 · ℄ PIER 3 STA. 570SN+06.26 · ℄ PIER 4 STA. 571SN+14.22

℄ BRG. N. ABUT. STA. 571SN+79.97

STA. 568SN+73.04 STA. 556WS+10.03

STA. 570SN+06.26 STA. 155EW+71.77

STA. 571SN+59.79 STA. 7SAA+20.54

STA. 571SN+60.75 STA. 555SA+55.74

PT STA. 570SN+08.61

END OF DECK STA. 567SN+78.50

END OF DECK STA. 571SN+82.74

℄ BRG. S. ABUT. STA. 568SN+02.55 STA. 555SB+97.22

N°34'58"E · N°28'02"W · N°10'02"W · 1°45'0" · 116°10'25.56" · 117°29'8.94"

VARIES 2'-0" MIN. · VARIES 22'-0" MAX. · VARIES 40'-7" TO 56'-11¾" · VARIES 11"-0" 11"-0" 11"-0" CONCRETE PVMT.

2'-0" BARRIER · 12'-0" PATH · 1'-1"

PT. OF MIN. VERT. CLR. (×4)

DECK DRAIN (×3) · B-40-770 DECK DRAIN · MANHOLE RR115 · MANHOLE RR120

EXISTING STRUCTURE B-40-109 · EXISTING STRUCTURE B-40-110

TEMPORARY SHORING

PLATE

3'-6¼"* · 54'-0" * · 91'-0" * · 83'-6" * · 108'-0" * · 65'-9" · 3'-6¼"

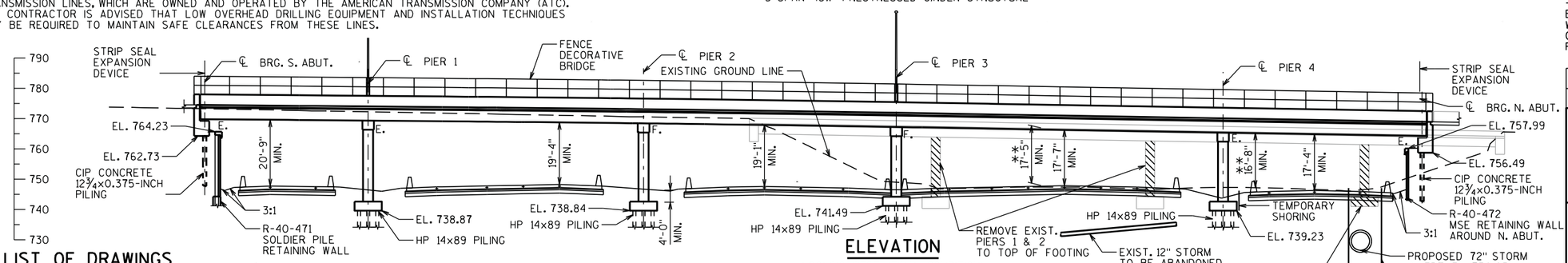
402'-3" *

409'-3½" BACK TO BACK OF ABUTMENTS *

CONSTRUCTION OF DRILLED FOOTINGS FOR RETAINING WALL R-40-471 AND DRIVING PILING FOR THE SOUTH SUBSTRUCTURE UNITS OF B-40-771 MAY NEED TO BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES, WHICH ARE OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC). THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD DRILLING EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES.

PLAN

5-SPAN 45W" PRESTRESSED GIRDER STRUCTURE



ELEVATION

LOOKING WEST (FINAL CONDITION)

REMOVE EXIST. PIER 3 TO MIN. ELEV. 742.00 OR AS NEEDED TO ACCOMODATE INSTALLATION OF PROPOSED 72" STORM

TEMPORARY SHORING (SEE ROADWAY PLANS FOR PAYMENT)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. CONSTRUCTION STAGING
6. REMOVAL LIMITS
7. SUBSURFACE EXPLORATION (1 OF 2)
8. SUBSURFACE EXPLORATION (2 OF 2)
9. SOUTH ABUTMENT
10. SOUTH ABUTMENT DETAILS
11. NORTH ABUTMENT
12. NORTH ABUTMENT DETAILS
13. PIER 1
14. PIER 1 TYPICAL COLUMN DETAILS
15. PIER 2
16. PIER 2 TYPICAL COLUMN DETAILS
17. PIER 3
18. PIER 3 TYPICAL COLUMN DETAILS
19. PIER 4
20. PIER 4 TYPICAL COLUMN DETAILS
21. PIER DETAILS
22. PIER BILL OF BARS
23. 45W" PRESTRESSED GIRDER
24. 45W" PRESTRESSED GIRDER DETAILS
25. EXPANSION BEARING DETAILS
26. SUPERSTRUCTURE FRAMING PLAN
27. SUPERSTRUCTURE REINFORCEMENT (1 OF 2)
28. SUPERSTRUCTURE REINFORCEMENT (2 OF 2)
29. SUPERSTRUCTURE CROSS SECTION
30. SUPERSTRUCTURE DETAILS (1 OF 2)
31. SUPERSTRUCTURE DETAILS (2 OF 2)
32. SUPERSTRUCTURE BILL OF BARS
33. STEEL DIAPHRAGM
34. EXPANSION JOINT (1 OF 2)
35. EXPANSION JOINT (2 OF 2)
36. VERTICAL FACE PARAPET (1 OF 2)
37. VERTICAL FACE PARAPET (2 OF 2)
38. VERTICAL FACE PARAPET REINFORCEMENT
39. SLOPED FACE BARRIER
40. LIGHT SUPPORT DETAILS
41. LIGHT SUPPORT REINFORCEMENT
42. FENCE DECORATIVE (1 OF 4)
43. FENCE DECORATIVE (2 OF 4)
44. FENCE DECORATIVE (3 OF 4)
45. FENCE DECORATIVE (4 OF 4)
46. AESTHETIC DETAILS
47. FLOOR DRAIN TYPE B
48. FLOOR DRAIN TYPE B DETAILS (1 OF 2)
49. FLOOR DRAIN TYPE B DETAILS (2 OF 2)

ELIZABETH A. JELINEK E-40123 MILWAUKEE WI 7/12/13 — WISCONSIN PROFESSIONAL ENGINEER

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 315-7040

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher 7/12/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-771

STH 100 NB OVER IH-94

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	WEST ALLIS

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EAJ	HDA	EAJ	HDA

GENERAL PLAN & ELEVATION

SHEET 1 OF 49

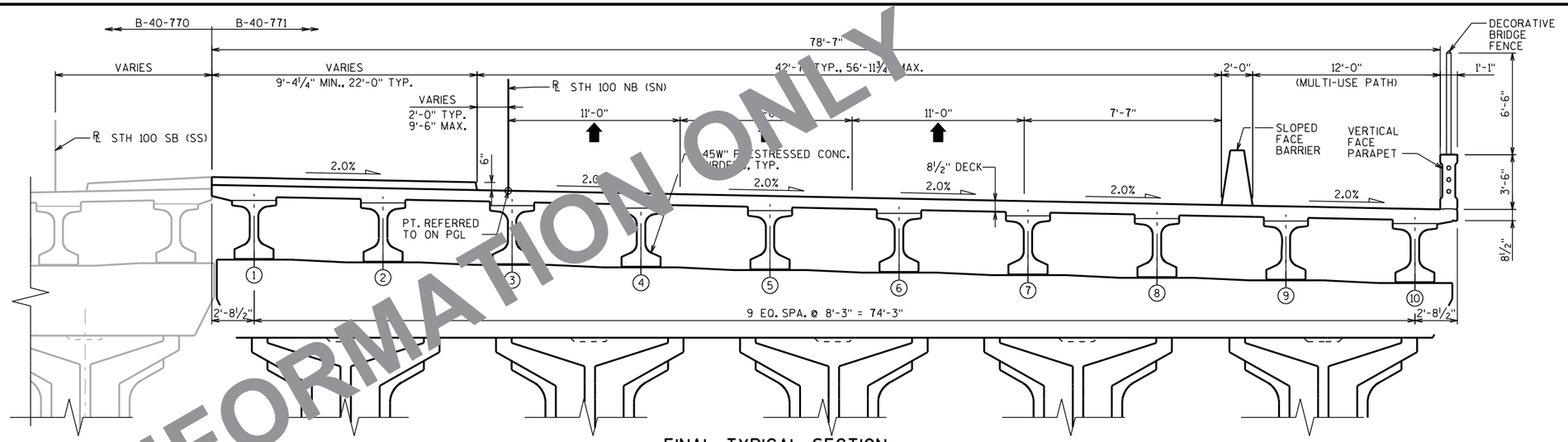
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8 8

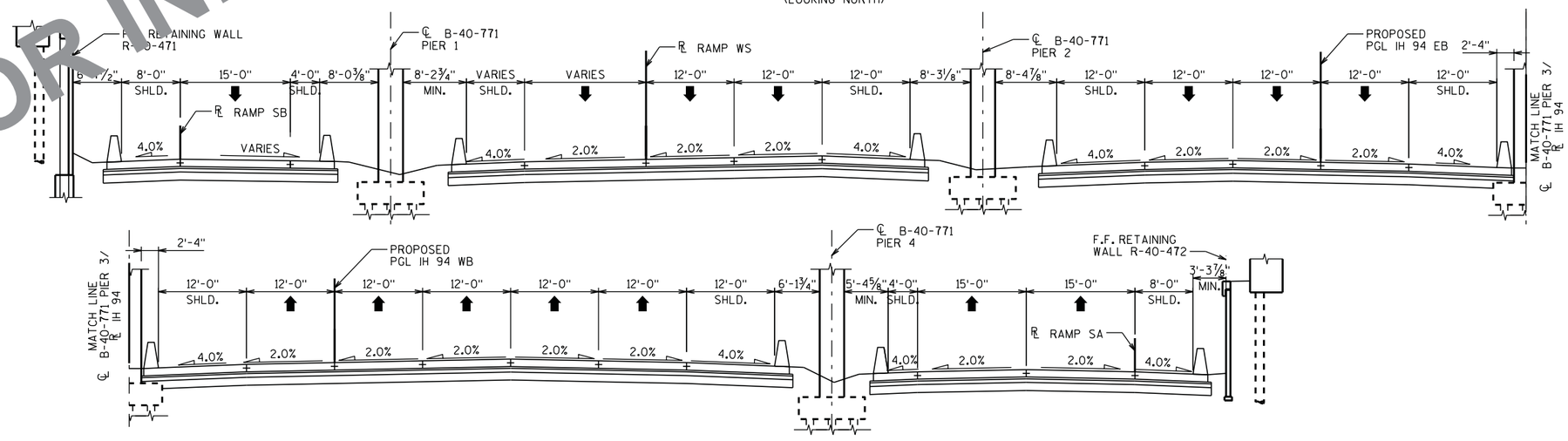
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



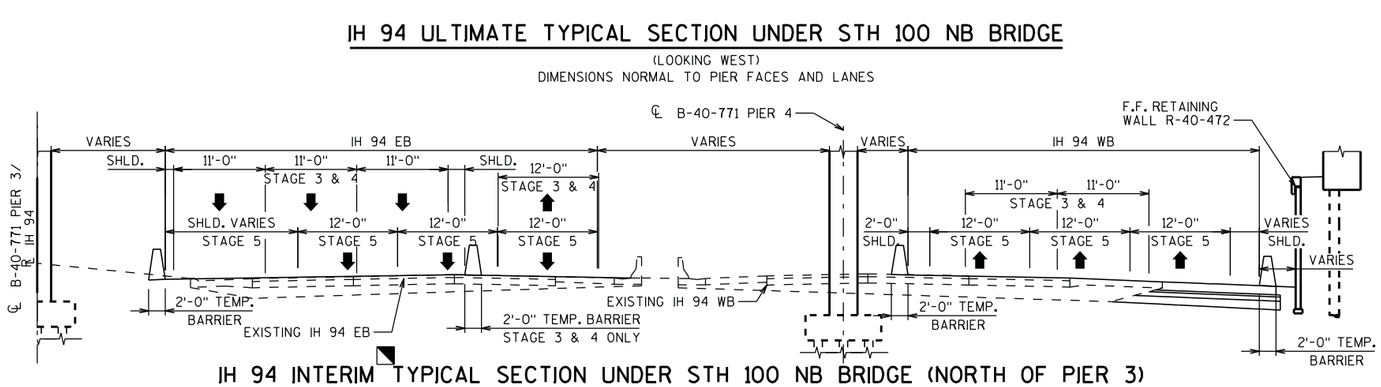
FINAL TYPICAL SECTION

45W" PRESTRESSED CONCRETE GIRDERS
(LOOKING NORTH)



IH 94 ULTIMATE TYPICAL SECTION UNDER STH 100 NB BRIDGE

(LOOKING WEST)
DIMENSIONS NORMAL TO PIER FACES AND LANES



IH 94 INTERIM TYPICAL SECTION UNDER STH 100 NB BRIDGE (NORTH OF PIER 3)

(LOOKING WEST)
DIMENSIONS NORMAL TO PIER FACES AND LANES

NOTES

1. INTERIM TYPICAL SECTION INDICATES TRAFFIC CONFIGURATIONS DURING THIS CONTRACT. ADDITIONAL TRAFFIC STAGES WILL BE REQUIRED TO BUILD THE ULTIMATE TYPICAL SECTION IN FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-771

DRAWN BY EAJ | PLANS CK'D. MPM

TYPICAL SECTIONS

SHEET 2 OF 49

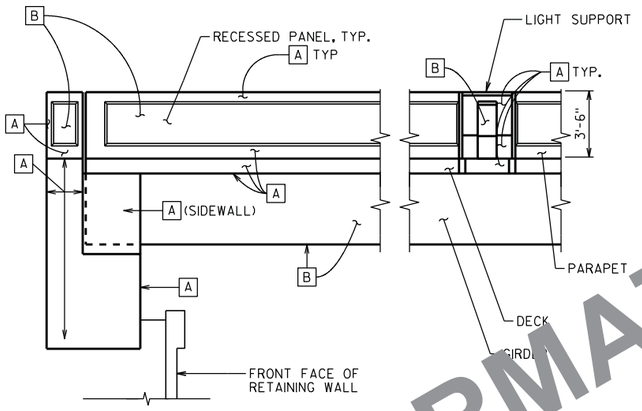
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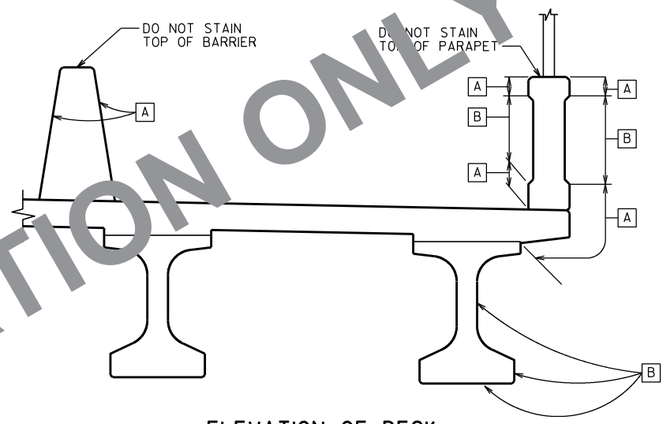
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FOR INFORMATION ONLY

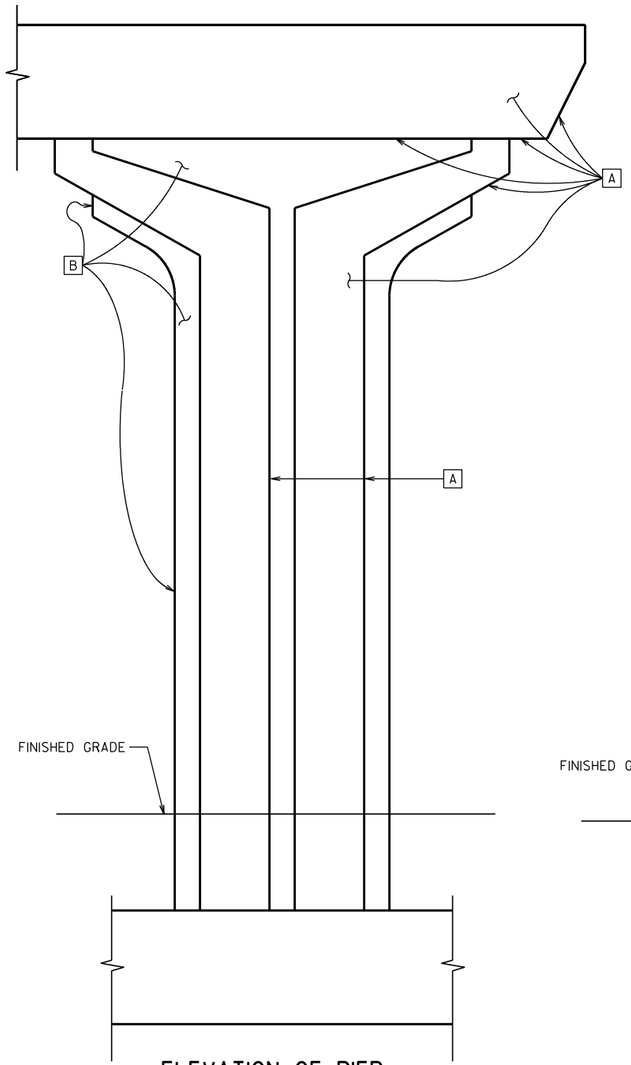
STATE PROJECT NUMBER
1060-33-75



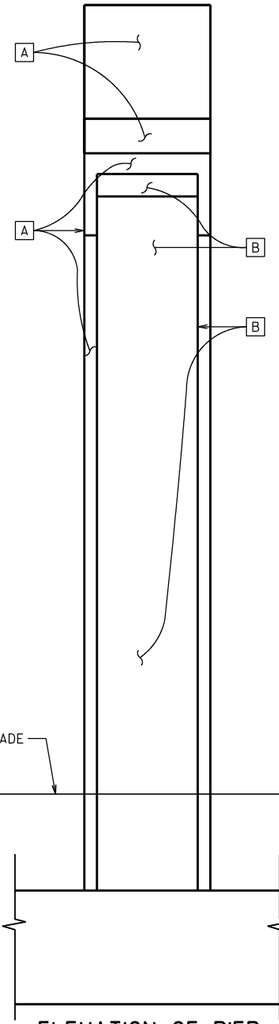
OUTSIDE ELEVATION OF PARAPET



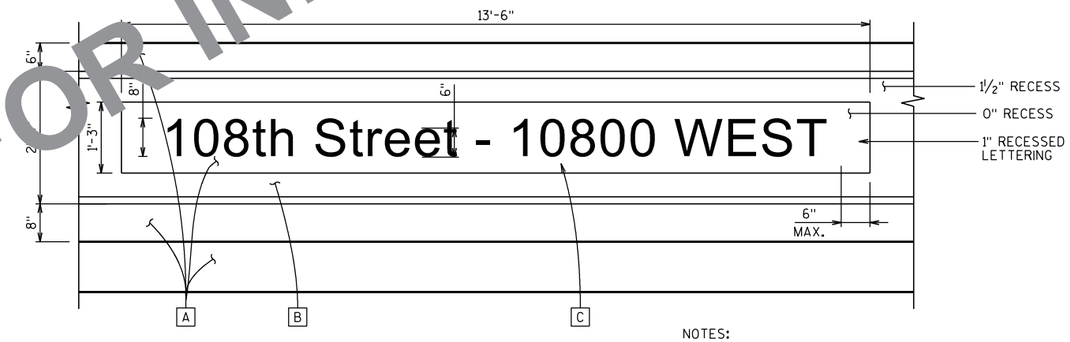
ELEVATION OF DECK



ELEVATION OF PIER



ELEVATION OF PIER
END VIEW



INDENTED TEXT
EXTERIOR FACE OF PARAPET ONLY

NOTES:
LETTERING SHALL BE HELVETICA, 8" UPPER CASE AND 6" LOWER CASE.

SEE SHEETS "VERTICAL FACED PARAPET (1 OF 2)" AND "VERTICAL FACED PARAPET (2 OF 2)" FOR LOCATIONS

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	INTERIOR BARRIER	BOTH SIDES
		PARAPETS	BOTH SIDE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF CONCRETE SLOPE PAVING
		PIERS	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM, AND COLUMNS TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON BOTH SIDES AND AT EACH RAISED PANEL ON LIGHT SUPPORTS
		GIRDERS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS
		PIERS	REVEALS ON COLUMNS
C	ACCENT COLOR #2	PARAPETS	LETTERING AT ROADWAY NAME

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW.

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448
ACCENT COLOR #2: FEDERAL COLOR - 37038

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-771

DRAWN BY EAJ | PLANS CK'D. HDA

AESTHETIC DETAILS

SHEET 46 OF 49

8

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FILE NAME : W:\Cadd\Final\10603375_RR1\Structs\B-40-771 Hwy 100 NB\cds\080705_ae.dgn
PLOT DATE : 01-MAY-2013 16:04
PLOT BY : MSCKTM
PLOT NAME : 080705_ae
PLOT SCALE : 4:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75

PROPOSED ATC OVERHEAD 138KV ELECTRIC LINES
WE ENERGIES OVERHEAD ELECTRIC TO BE RELOCATED
WE ENERGIES UNDERGROUND ELECTRIC TO REMAIN
CAUTION
WE ENERGIES OVERHEAD ELECTRIC TO BE RELOCATED
ATC OVERHEAD 138KV ELECTRIC LINE TO BE RELOCATED
ATC UNDERGROUND 138KV ELECTRIC LINE TO REMAIN
ATC OVERHEAD 138KV ELECTRIC LINE TO REMAIN
CAUTION
WE ENERGIES UNDERGROUND ELECTRIC TO REMAIN
EXISTING 90" STORM SEWER TO REMAIN
OVERHEAD LINES TO BE RELOCATED
℄ R. RAMP SB
EXISTING R/W
℄ R. I.H. 94
51'-3¼" FF STRUCTURE BACKWALLS
150' TO M.P. 90
2'-7⅛"
90'-11"
SPAN 1
100'-0"
SPAN 2
SPAN 3
123'-3"
SPAN 4
98'-5"
SPAN 5
2'-7⅛"
30° SKEW (TYP. ℄ BRG. PIERS AND ABUTS.)
28'-8⅜"
℄ BRG. S. ABUT.
℄ PIER 1
℄ WS
ABANDONED OVERHEAD RAILROAD COMMUNICATION LINES TO BE REMOVED
℄ PIER 3
SPRINT FIBER OPTIC LINE TO BE RELOCATED
EXISTING LIGHTING TO BE REMOVED
℄ PIER 4 ℄ RAMP SA
PROPOSED 72" DIA. STORM SEWER
℄ N. ABUT.
42'-11½"
MATCHLINE STA. 4745RRE+25.00
STA. 4746RRW+28.83 = STA. 559SB+96.21
CONC. APPROACH SLAB, TYP.
4746RRW
4747RRW
4748RRW
4749RRW
4750RRW
4751RRW
53°12'32"
54°31'15"
℄ B-40-773
12'-0"
44'-0"
20'-0"
12'-0"
STA. 4748RRW+57.97 = STA. 159EW+21.98
℄ WEST MAINLINE TRACK (NO. 1)
N9°28'21"W
STA. 4750RRW+38.12= STA. 558SA+69.38
ALIGN: TANGENT
4746RRE
4747RRE
4748RRE
4749RRE
4750RRE
4751RRE
STA. 4746RRE+13.70 = STA. 560SB+21.18
B-40-773
STA. 4748RRE+42.84 = STA. 159EW+46.95
℄ EAST MAINLINE TRACK (NO. 2)
STA. 4750RRE+23.70= STA. 558SA+93.94
21'-9⅜"
CONCRETE SLOPE PAVING, TYP. (N.I.C.)
WE ENERGIES OVERHEAD ELECTRIC TO BE RELOCATED
ACCESS PATH
POINT OF MIN. VERT. CLEAR
STA. 4746RRE+93.00 = STA. 560WS+17.11
POINT OF MIN. VERT. CLEAR
POINT OF MIN. VERT. CLEAR
POINT OF MIN. VERT. CLEAR
PROPOSED UPRR BRIDGE 90.03, B-40-773
INCREASE MILEPOST TO BUTLER & BJ EAST, WI (TIMETABLE NORTH)
S62°40'53"E
S63°59'36"E
33'-8½"
13'-3"
9'-4" ± TEMP. HORIZ. CLEAR, TYP.
EXIST. WEST TRACK
EXIST. EAST TRACK
FUTURE ℄ SW (NOT THIS CONTRACT)
FUTURE ℄ RAMP SM (NOT THIS CONTRACT)
EXIST. STRUCTURE B-40-106 CROSSING NO. 177 257B @ UPRR M.P. 90.36, BRIDGE NO. 2305 1/2 IS A 4-SPAN THROUGH PLATE GIRDER BRIDGE ON CONCRETE PIERS AND ABUTMENTS. REMOVED IN A FUTURE CONTRACT.
AT&T CORPORATION FIBER OPTIC LINE TO BE RELOCATED
8'-0" SHLD
15'-0" PVMT
4'-0" SHLD
ATC UNDERGROUND ELECTRIC TO BE ABANDONED
12'-0" SHLD
12'-0" PAVEMENT
6'-6" SHLD
16'-0"
6'-6" SHLD
16'-0"
VARIES GORE
4'-0" SHLD
PROPOSED UPRR BRIDGE OVER IH94
LATITUDE: 43°1'40"N
LONGITUDE: 88°2'45"W
TO BELTON & GRAND AVENUE, IL (TIMETABLE SOUTH)
4745RRW
4745RRE
MATCHLINE STA. 4745RRE+25.00
NAME PLATE LOCATION
21'-2⅛"
42'-11½" TOTAL

PLAN

5 SPAN - STEEL THROUGH PLATE GIRDER

	W. TRACK STA.	℄ B-40-773	E. TRACK STA.
F.F. OF B.W. S. ABUT.	4745RRW+70.25	4745RRW+64.48 = 4745RRE+64.31	4745RRE+58.53
℄ BRG. S. ABUT	4745RRW+72.85	4745RRW+67.07 = 4745RRE+66.91	4745RRE+61.13
℄ PIER 1	4746RRW+63.76	4746RRW+57.99 = 4746RRE+57.82	4746RRE+52.05
℄ PIER 2	4747RRW+63.76	4747RRW+57.99 = 4747RRE+57.82	4747RRE+52.05
℄ PIER 3	4748RRW+56.26	4748RRW+50.49 = 4748RRE+50.32	4748RRE+44.55
℄ PIER 4	4749RRW+79.51	4749RRW+73.74 = 4749RRE+73.57	4749RRE+67.80
℄ BRG. N. ABUT	4750RRW+77.93	4750RRW+72.16 = 4750RRE+71.99	4750RRE+66.21
F.F. OF B.W. N. ABUT.	4750RRW+80.53	4750RRW+74.76 = 4750RRE+74.59	4750RRE+68.81

NOTES

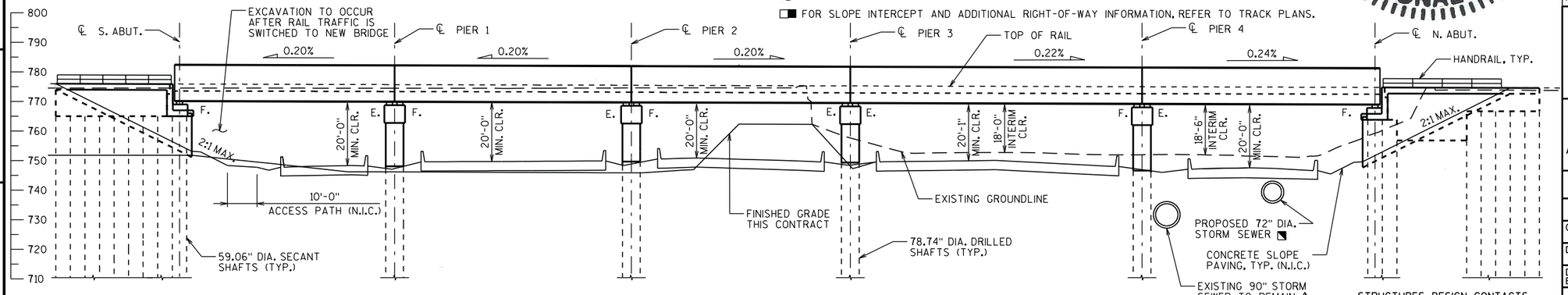
◐ CONSTRUCTION OF SECANT SHAFTS AND DRILLED SHAFTS FOR THE SOUTH ABUTMENT, AND PIERS 1 & 2 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC) AND WE ENERGIES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES.

◥ INSTALL PROPOSED 72" DIA. STORM SEWER BEFORE PLACING PROPOSED UPRR SUPERSTRUCTURE AND STUB AT EXISTING UPRR SUPERSTRUCTURE.

⚠ SURVEYED APPROXIMATELY 2'± FROM INSIDE OF PIPE TO EDGE OF DRILLED SHAFT. VERIFY LOCATION PRIOR TO DRILLING SHAFT FOUNDATION.

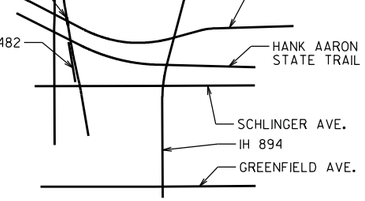
(X) WING NUMBER

◧ FOR SLOPE INTERCEPT AND ADDITIONAL RIGHT-OF-WAY INFORMATION, REFER TO TRACK PLANS.



ELEVATION

NORMAL TO I.H. 94 - LOOKING WEST



LOCATION MAP

WISCONSIN
JOSHUA J ODENWALD
E-41771-6
RUBICON
WI
7/9/13
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher — CHIEF STRUCTURES DESIGN ENGINEER — 7/10/13 DATE

STRUCTURE B-40-773

UPRR OVER I.H. 94, MILWAUKEE SUB M.P. 90.03

COUNTY	MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~	WEST ALLIS
DESIGN SPEC.	AREMA 2012		LATITUDE: 43°1'40"N LONGITUDE: 88°2'45"W
DESIGNED BY	JJO	DESIGN CK'D.	JWC
DRAWN BY	JJO	PLANS CK'D.	JWC

GENERAL PLAN & ELEVATION

SHEET 1 OF 53

STRUCTURES DESIGN CONTACTS

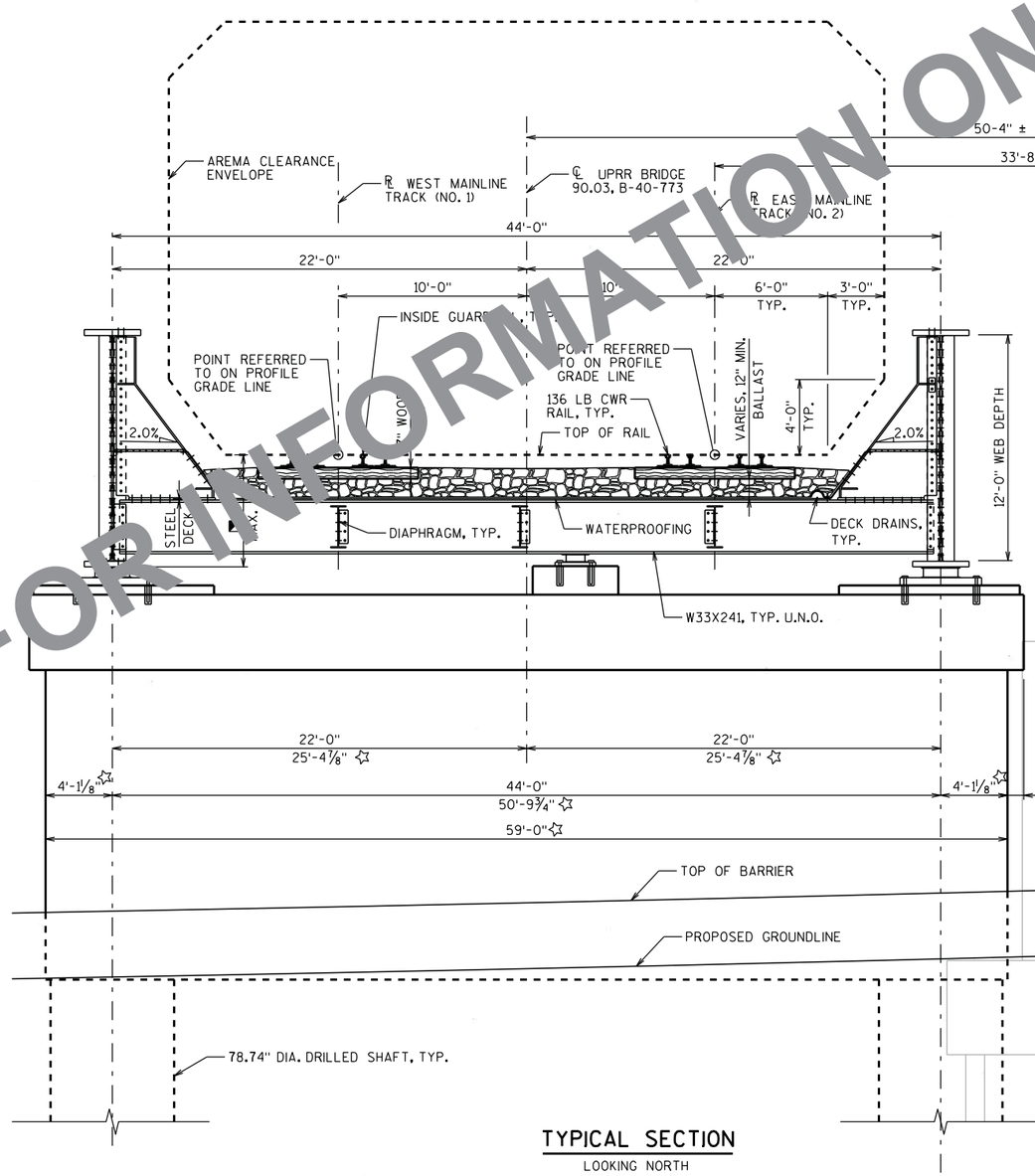
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 315-7040

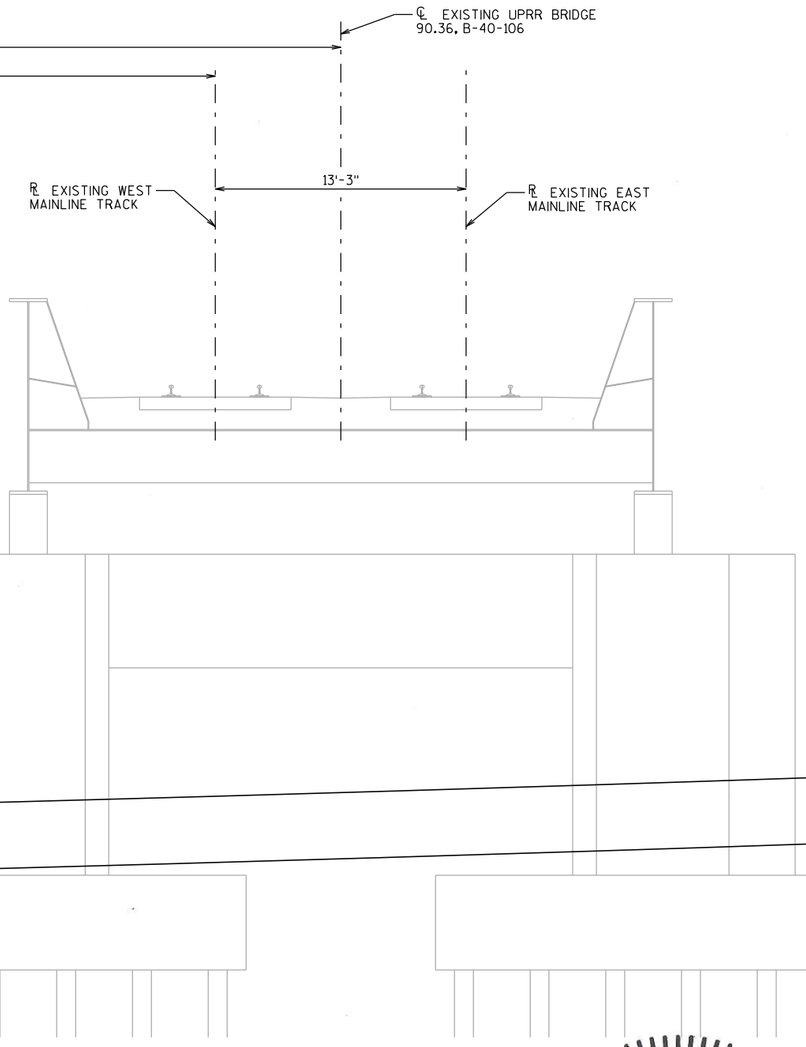
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PLOT DATE : 28-JUN-2013 08:55
PLOT BY : MSCJJO
PLOT NAME : 080101_gp
PLOT SCALE : 40:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75





TYPICAL SECTION

LOOKING NORTH

☆ DIMENSION IS PARALLEL TO THE PIER (SUBSTRUCTURE IS AT 30° SKEW)

SPAN 1	6'-4"
SPAN 2	6'-3"
SPAN 3	6'-1½"
SPAN 4	6'-2⅞"
SPAN 5	6'-1⅝"

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. QUANTITIES & PROFILE GRADE LINES
4. DESIGN DATA & GENERAL NOTES
5. CONSTRUCTION PHASING
6. SUBSURFACE EXPLORATION (1 OF 3)
7. SUBSURFACE EXPLORATION (2 OF 3)
8. SUBSURFACE EXPLORATION (3 OF 3)
9. SOUTH ABUTMENT PLAN & ELEVATION
10. SOUTH ABUTMENT BODY DETAILS
11. SOUTH ABUTMENT BACKWALL DETAILS
12. SOUTH ABUTMENT SECTIONS
13. SOUTH ABUTMENT PEDESTAL DETAILS
14. WINGWALL NO. 1 DETAILS
15. WINGWALL NO. 2 DETAILS
16. SOUTH ABUTMENT BILL OF BARS
17. NORTH ABUTMENT PLAN & ELEVATION
18. NORTH ABUTMENT BODY DETAILS
19. NORTH ABUTMENT BACKWALL DETAILS
20. NORTH ABUTMENT SECTIONS
21. NORTH ABUTMENT PEDESTAL DETAILS
22. WINGWALL NO. 3 DETAILS
23. WINGWALL NO. 4 DETAILS
24. NORTH ABUTMENT BILL OF BARS
25. ABUTMENT DRILLED SHAFT DETAILS
26. ABUTMENT SHAFT DATA
27. APPROACH SLAB DETAILS
28. AESTHETIC FACING SOUTH ABUTMENT (1 OF 2)
29. AESTHETIC FACING SOUTH ABUTMENT (2 OF 2)
30. AESTHETIC FACING NORTH ABUTMENT (1 OF 2)
31. AESTHETIC FACING NORTH ABUTMENT (2 OF 2)
32. AESTHETIC FACING SECTIONS
33. AESTHETIC FACING DETAILS
34. AESTHETIC FACING BILL OF BARS
35. PIER DRILLED SHAFT DETAILS
36. PIER PLAN & ELEVATION
37. PIER DETAILS
38. BEARING LAYOUT
39. BEARING DETAILS
40. FRAMING PLAN & TPG ELEVATION SPAN 1 & 3
41. FRAMING PLAN & TPG ELEVATION SPAN 2 & 5
42. FRAMING PLAN & TPG ELEVATION SPAN 4
43. TYPICAL TPG SECTIONS
44. STEEL DETAILS (1 OF 2)
45. STEEL DETAILS (2 OF 2)
46. END FLOORBEAM DETAILS
47. DECK PLATE LAYOUT
48. DECK PL DETAILS, WATERPROOFING & DRAINAGE
49. WATERPROOFING AND DRAINAGE DETAILS
50. PIPE RAILING DETAILS (1 OF 2)
51. PIPE RAILING DETAILS (2 OF 2)
52. AESTHETIC DETAILS (1 OF 2)
53. AESTHETIC DETAILS (2 OF 2)

WISCONSIN
JOSHUA J ODENWALD
E-41771-6
RUBICON
WI
7/9/13
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

FORWARD 45

STRUCTURE B-40-773

MILWAUKEE SUB. M.P. 90.03
LAT. 43°1'40"N/LONG. 88°2'45"W

DRAWN BY JJO | PLANS CK'D. JWC

TYPICAL SECTION

SHEET 2 OF 53

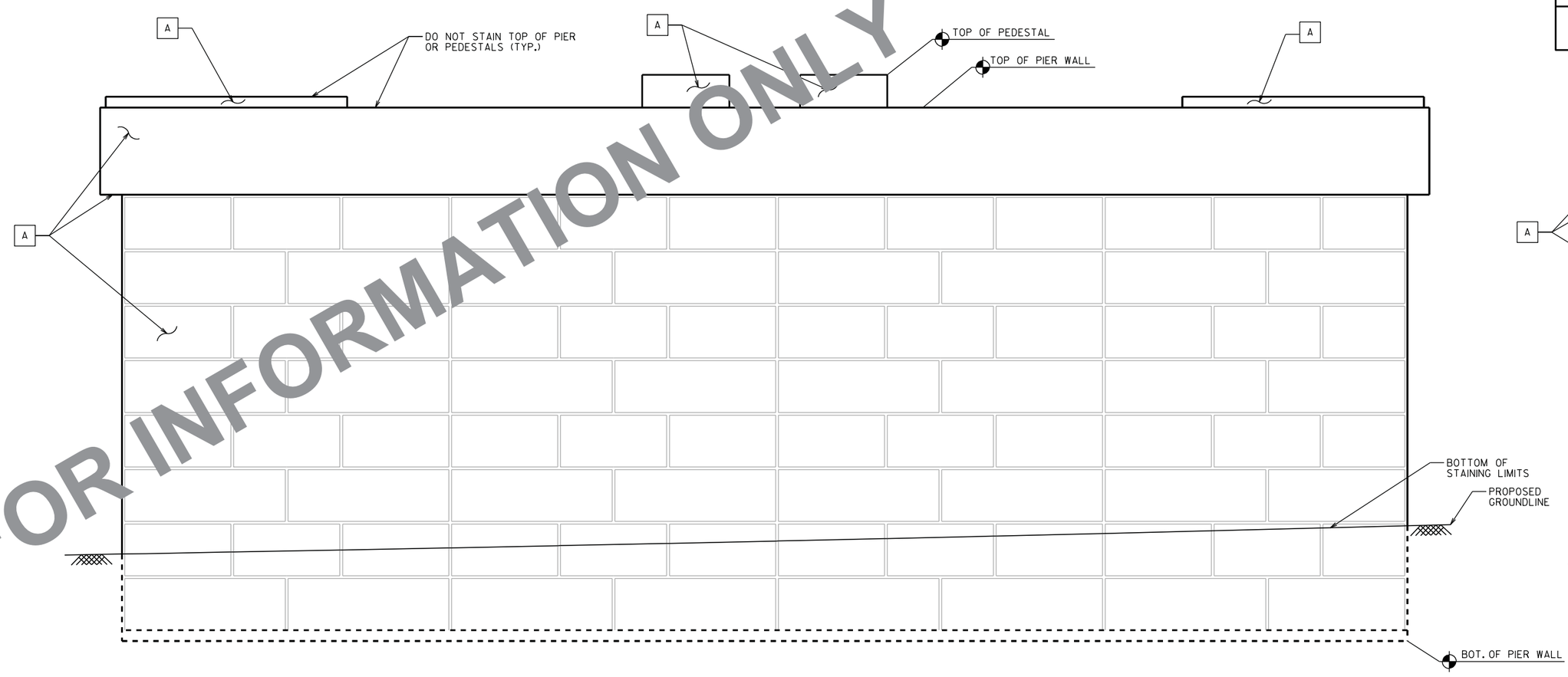
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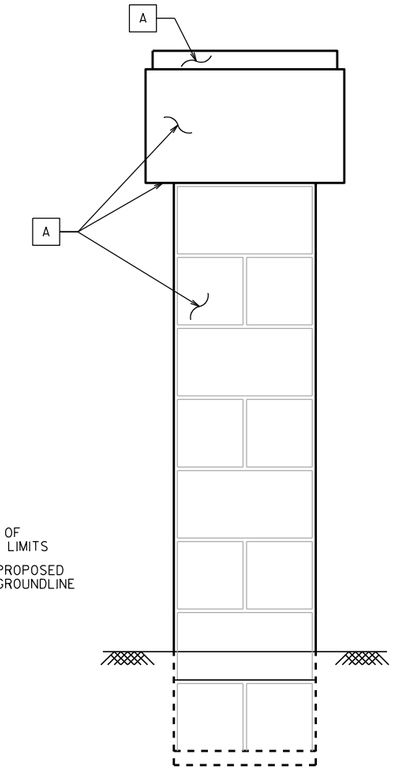
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FOR INFORMATION ONLY

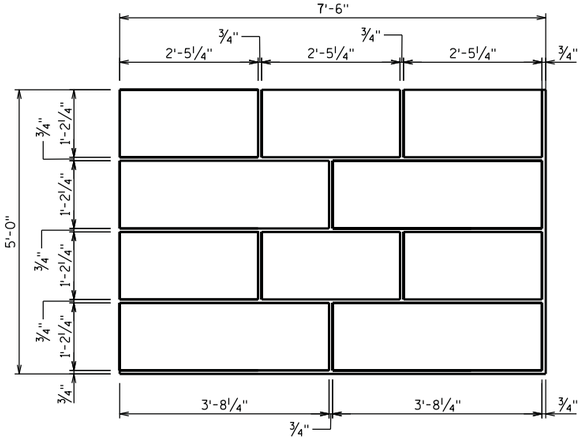
STATE PROJECT NUMBER
1060-33-75



FRONT ELEVATION OF PIER

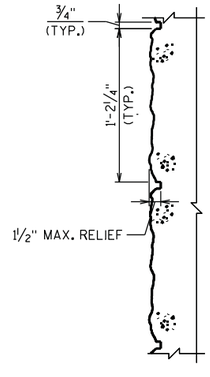


SIDE ELEVATION OF PIER



ARCHITECTURAL FORMLINER DETAIL

REPEATING PATTERN
(EXAMPLE: #893A CUSTOM QUARRY STONE (1½" MAX. RELIEF)
BY ARCHITECTURAL POLYMERS, INC.
OR APPROVED EQUAL)



ARCHITECTURAL FORMLINER DETAIL - SECTION

NOTES:

1. THE COST OF THE ARCHITECTURAL FORMLINER SURFACE TREATMENT IS INCLUDED WITH THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT B-40-773".
2. SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT B-40-773".

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

CONCRETE STAINING SCHEDULE

MARK	COLOR
A	BASE COLOR - FEDERAL COLOR 33564

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-773

MILWAUKEE SUB. M.P. 90.03
LAT. 43°1'40"N/LONG. 88°2'45"W

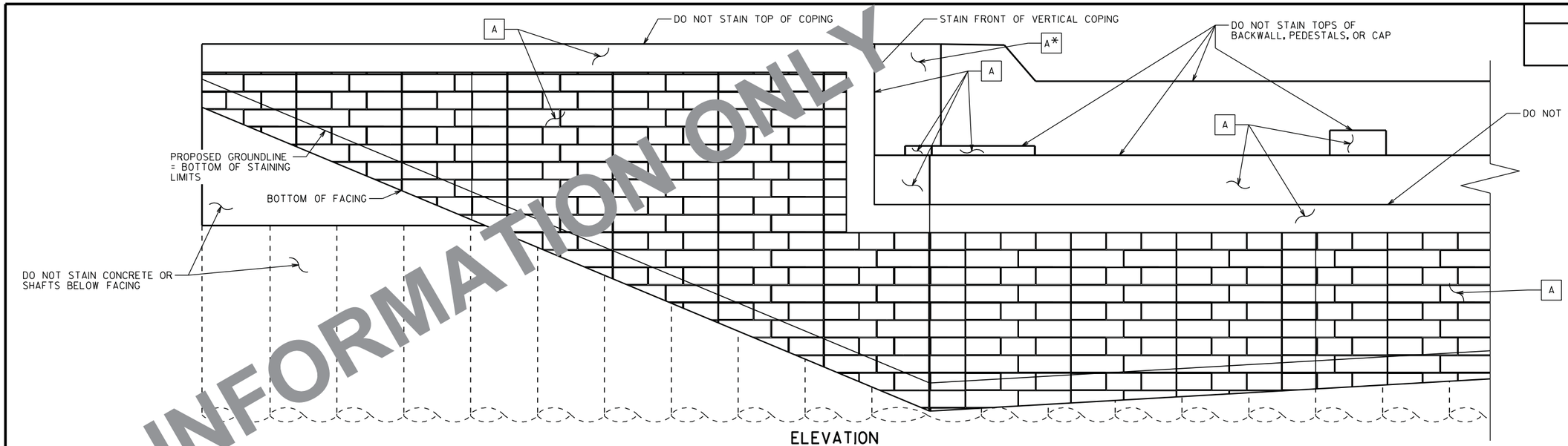
DRAWN BY KTM | PLANS CK'D. MPM

AESTHETIC DETAILS (1 OF 2)

SHEET 52 OF 53

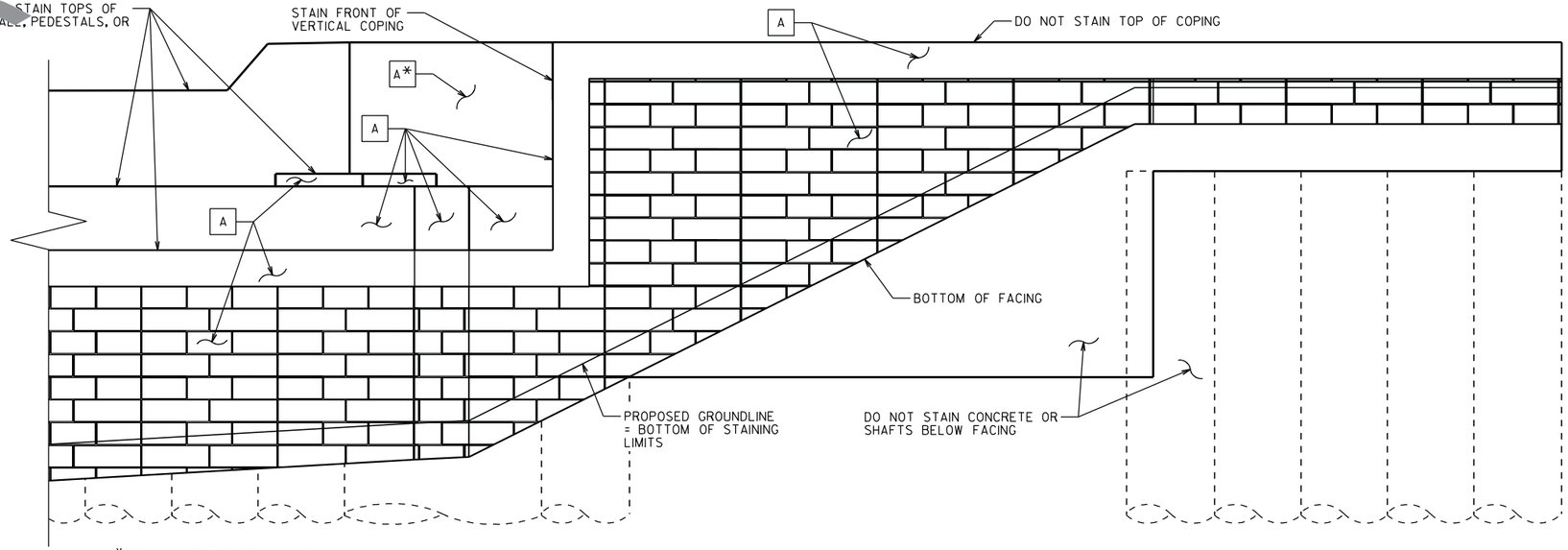
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



ELEVATION

NORTH ABUTMENT SHOWN, SOUTH ABUTMENT SIMILAR



*STAIN VISIBLE PORTION OF BACKWALL FRONT FACE (GIRDERS WILL BE IN PLACE WHEN BACKWALL IS STAINED)

ELEVATION

NORTH ABUTMENT SHOWN, SOUTH ABUTMENT SIMILAR

CONCRETE STAINING SCHEDULE

MARK	COLOR
A	BASE COLOR - FEDERAL COLOR 33564

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

FORWARD 45

STRUCTURE B-40-773

MILWAUKEE SUB. M.P. 90.03
LAT. 43°1'40"N/LONG. 88°2'45"W

DRAWN BY ENS | PLANS CK'D. JWC

AESTHETIC DETAILS (2 OF 2)

SHEET 53 OF 53

FILE NAME : W:\Cadd\Final\10603375_RR1\Structs\B-40-773_UPRR Over IH94\cds\080604_ae.dgn PLOT DATE : 28-JUN-2013 08:59 PLOT BY : MSCJJO PLOT NAME : 080604_ae PLOT SCALE : 8:1

FOR INFORMATION ONLY

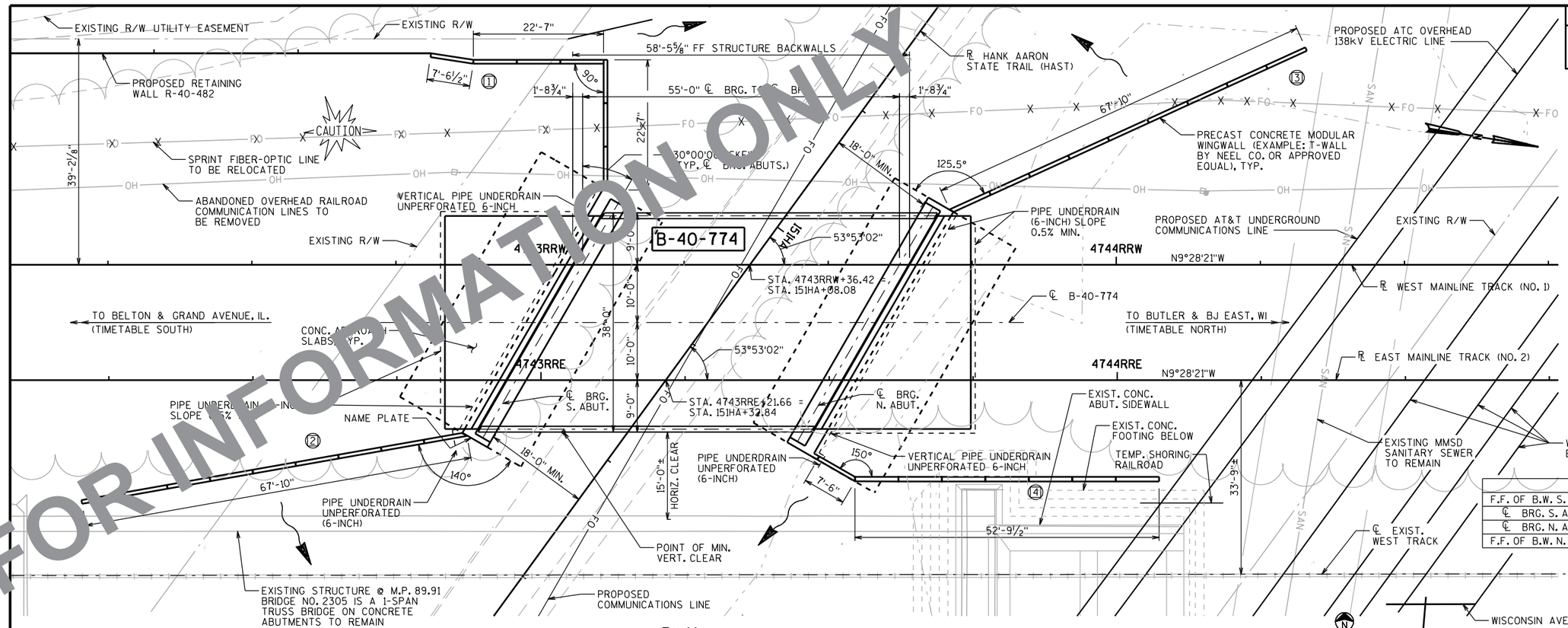
STATE PROJECT NUMBER
1060-33-75

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. QUANTITIES & PROFILE GRADE LINES
4. DESIGN DATA & GENERAL NOTES
5. CONSTRUCTION PHASING & FILL LIMITS
6. SUBSURFACE EXPLORATION
7. SOUTH ABUTMENT PLAN & ELEVATION
8. SOUTH ABUTMENT DETAILS
9. SOUTH ABUTMENT APPROACH SLAB
10. SOUTH ABUTMENT WINGWALL LAYOUT
11. NORTH ABUTMENT PLAN & ELEVATION
12. NORTH ABUTMENT DETAILS
13. NORTH ABUTMENT APPROACH SLAB
14. NORTH ABUTMENT WINGWALL LAYOUT
15. WINGWALL SECTION & AESTHETIC DETAILS
16. STONE COLUMN/R.A.P. DETAILS
17. FRAMING PLAN
18. DECK PLATE, CURBS AND HANDRAIL PLAN
19. SUPERSTRUCTURE DETAILS 1
20. SUPERSTRUCTURE DETAILS 2
21. BEARING DETAILS
22. LIFTING DETAILS
23. BRIDGE RAILING DETAILS
24. WINGWALL RAILING DETAILS
25. DRAINAGE DETAILS

PLAN

SINGLE SPAN - STEEL WIDE FLANGE DECK BEAM



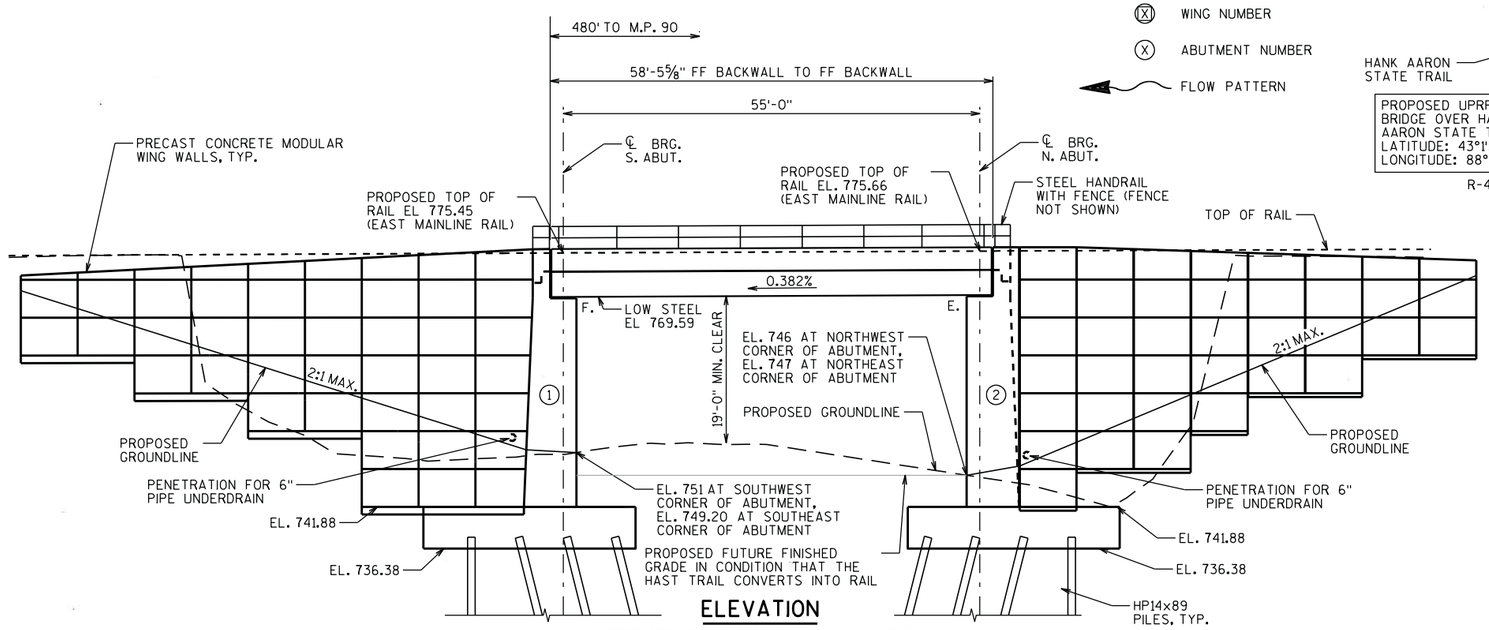
	W. TRACK STA.	E. TRACK STA.
F.F. OF B.W. S. ABUT.	4743RRW+05.67	4742RRE+93.95
℄ BRG. S. ABUT	4743RRW+07.40	4742RRE+95.68
℄ BRG. N. ABUT	4743RRW+62.40	4743RRE+50.68
F.F. OF B.W. N. ABUT.	4743RRW+64.13	4743RRE+52.42

LEGEND

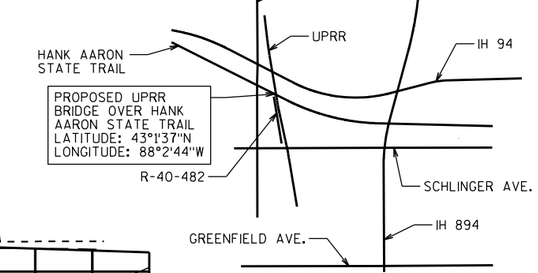
- (X) WING NUMBER
- (X) ABUTMENT NUMBER
- FLOW PATTERN

ELEVATION

PROPOSED CROSS SECTION - LOOKING WEST



LOCATION MAP



STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-7040

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher DVR — 7/10/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN MATTHEW S SCHROEDER E-42428 JOHNSON CREEK WI 7-9-13 PROFESSIONAL ENGINEER

STRUCTURE B-40-774

UPRR OVER HAST, MILWAUKEE SUB M.P. 89.91

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	WAUWATOSA

DESIGN SPEC. AREMA 2012

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MSS	JWC	KTM/HER	JWC

GENERAL PLAN & ELEVATION

SHEET 1 OF 25

6486

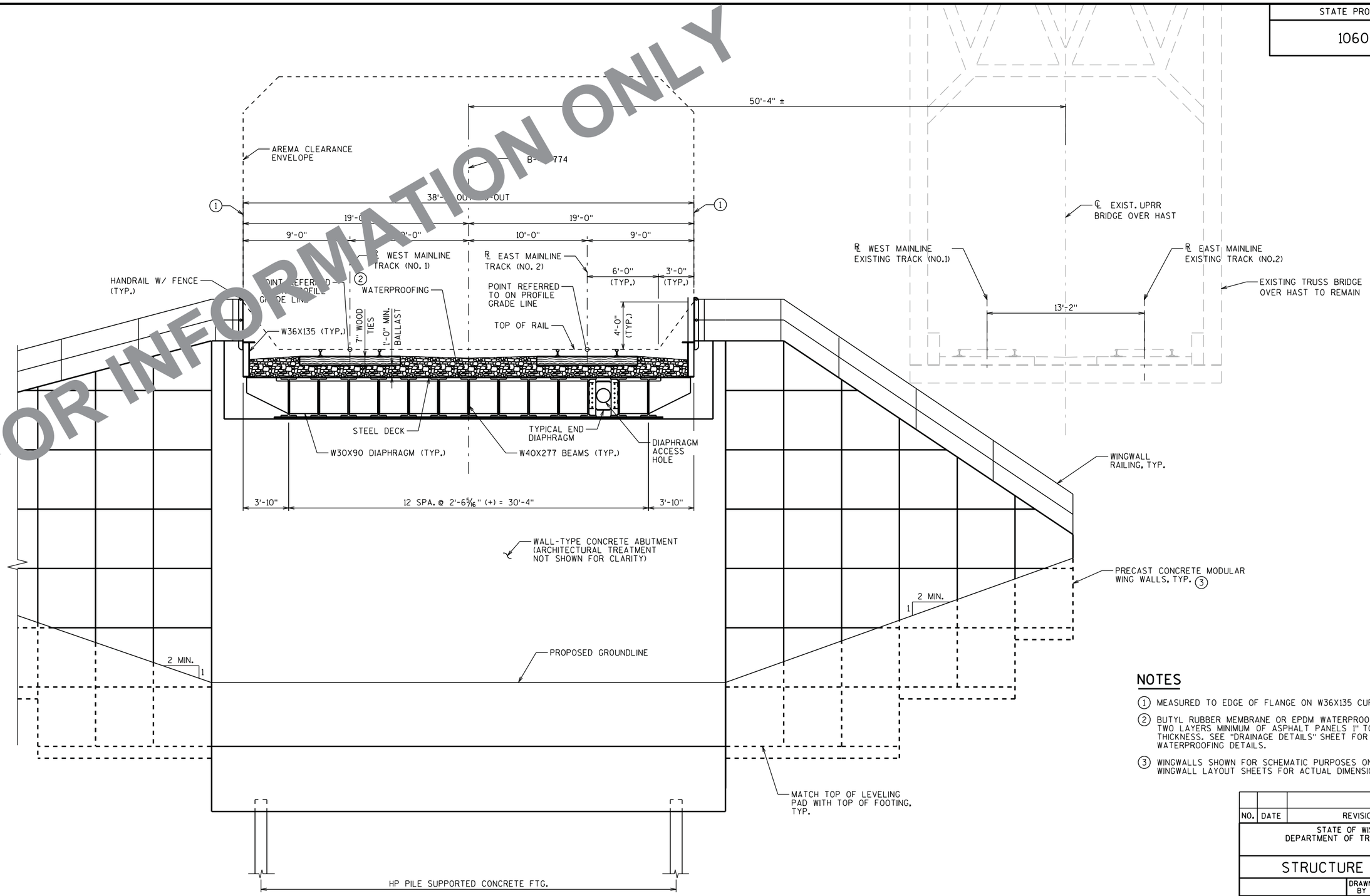
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STATE PROJECT NUMBER
1060-33-75

FOR INFORMATION ONLY



TYPICAL SECTION

LOOKING NORTH

NOTES

1. MEASURED TO EDGE OF FLANGE ON W36X135 CURB BEAM.
2. BUTYL RUBBER MEMBRANE OR EPDM WATERPROOFING AND TWO LAYERS MINIMUM OF ASPHALT PANELS 1" TOTAL THICKNESS. SEE "DRAINAGE DETAILS" SHEET FOR WATERPROOFING DETAILS.
3. WINGWALLS SHOWN FOR SCHEMATIC PURPOSES ONLY. SEE WINGWALL LAYOUT SHEETS FOR ACTUAL DIMENSIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-774

DRAWN BY KTM/HER | PLANS CK'D. JWC/BDL

TYPICAL SECTION

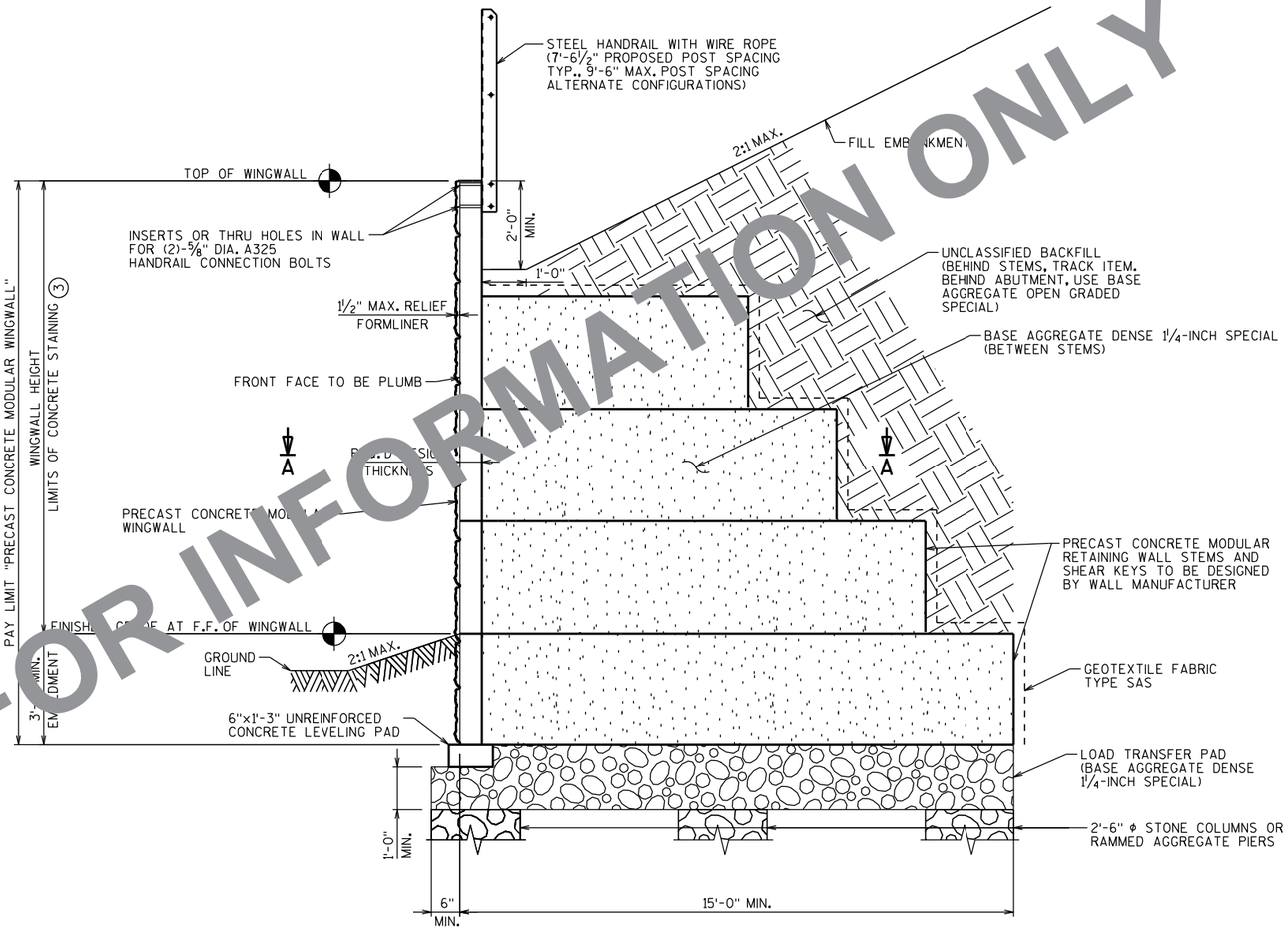
SHEET 2 OF 25

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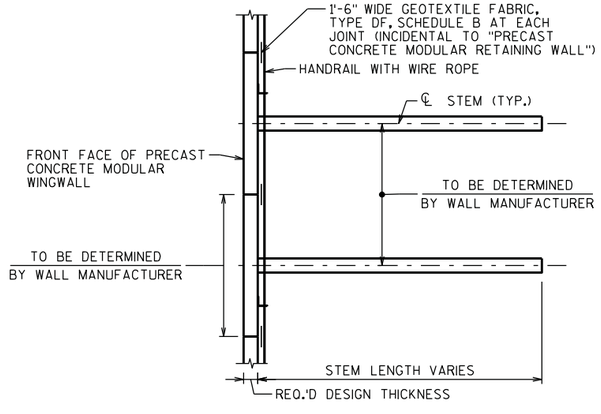
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75

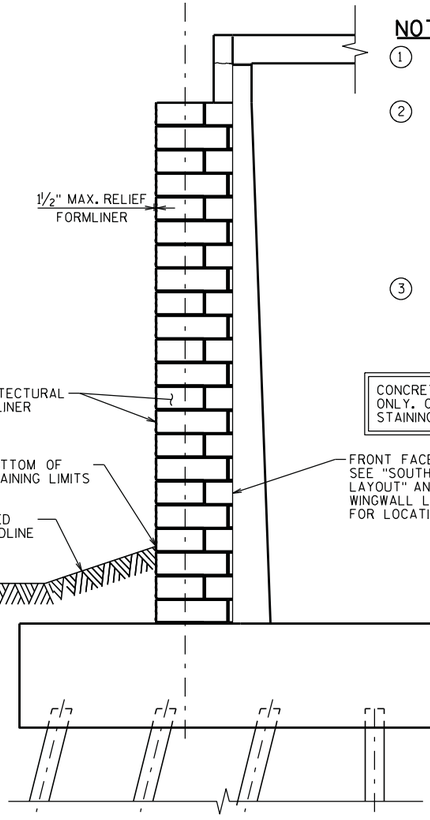


PRECAST CONCRETE MODULAR WING WALL TYPICAL SECTION

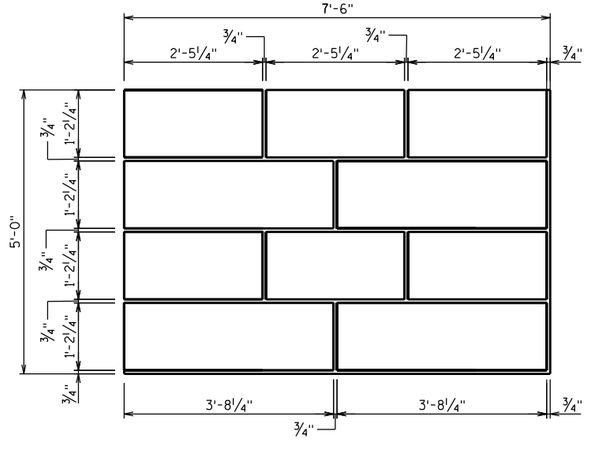


SECTION A-A

SHOWING MODULAR CONCRETE STEM AND PANEL FACE
(FORMLINER NOT SHOWN FOR CLARITY)

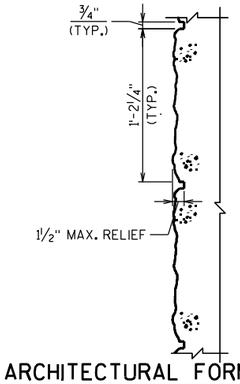


TYPICAL AESTHETIC DETAILS AT ABUTMENT



ARCHITECTURAL FORMLINER DETAIL

REPEATING PATTERN
(EXAMPLE: #893A CUSTOM QUARRY STONE (1½" MAX. RELIEF)
BY ARCHITECTURAL POLYMERS, INC.
OR APPROVED EQUAL)



ARCHITECTURAL FORMLINER DETAIL - SECTION ①

NOTES:

① THE COST OF THE ARCHITECTURAL FORMLINER SURFACE TREATMENT IS INCLUDED WITH THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT B-40-774".

② SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT B-40-774".

③ APPLY CONCRETE STAINING TO F.F. OF WINGWALLS AND EXPOSED FACES OF NORTH AND SOUTH ABUTMENTS, FROM TOP OF WALL TO FINISHED GRADE. COLOR OF STAIN TO BE FEDERAL COLOR 33564.

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-774

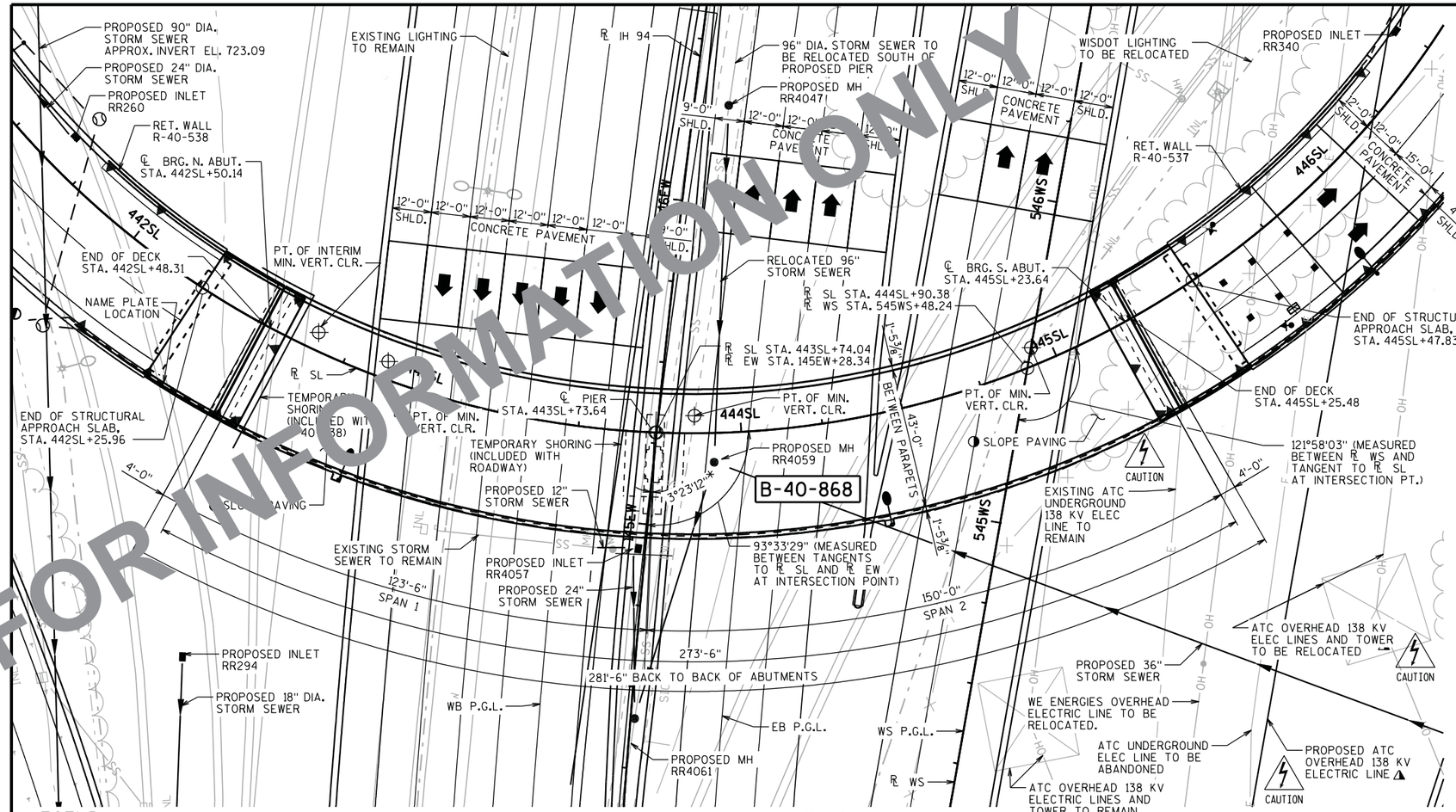
DRAWN BY KTM | PLANS CK'D. JWC

WINGWALL SECTION & AESTHETIC DETAILS

SHEET 15 OF 25

8

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FOR INFORMATION ONLY

LEGEND

← INDICATES LANE LOCATION AND DIRECTION OF TRAVEL

GL GUIDED (LONGITUDINAL) BEARING

FIX FIXED BEARING

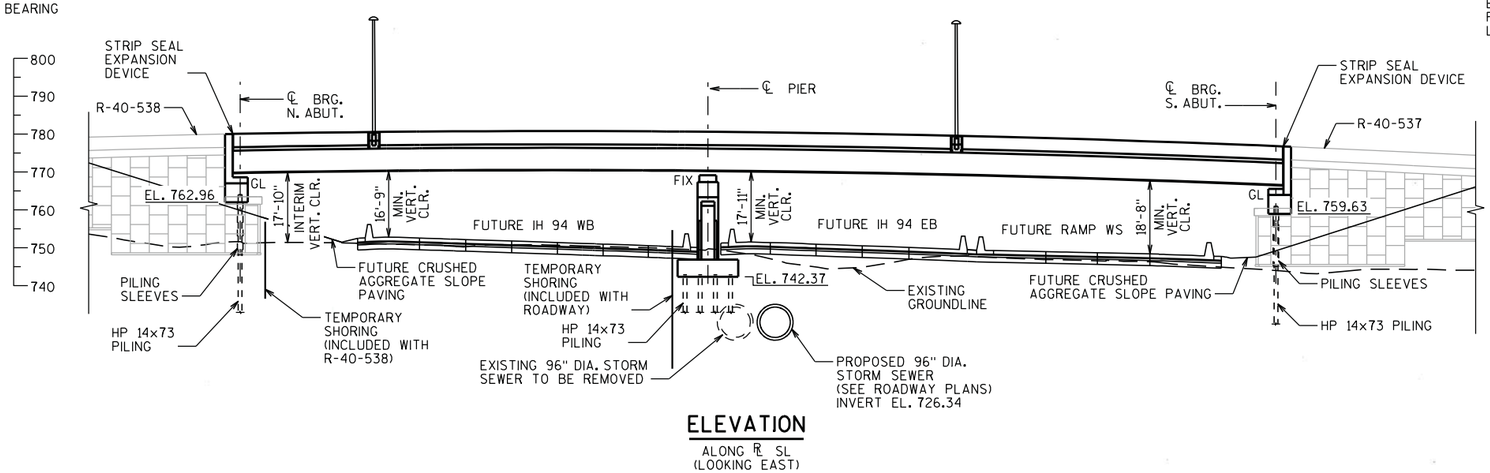
◐ SLOPE PAVING SHOWN FOR INFORMATION ONLY. SLOPE PAVING NOT INCLUDED IN THIS CONTRACT. SLOPE PAVING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

PLAN

2-SPAN CURVED STEEL TRAPEZOIDAL BOX GIRDER, 5'-9" FOOT WEB DEPTH
ABUTMENTS AND PIER ARE RADIAL TO ℞ SL
DIMENSIONS SHOWN ARE ALONG ℞ SL

* ANGLE BETWEEN ℄ PIER AND TANGENT TO ℞ EW AT INTERSECTION POINT

▲ CONSTRUCTION OF PILES FOR THE SOUTH ABUTMENT MAY NEED TO BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC). THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD DRIVING EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES.



ELEVATION

ALONG ℞ SL
(LOOKING EAST)

STATE PROJECT NUMBER

1060-33-75

DESIGN DATA

LIVE LOAD

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.21
OPERATING RATING FACTOR: RF = 1.57
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY:	
SUPERSTRUCTURE (HPC)	f'c = 4,000 PSI
SUBSTRUCTURE	f'c = 4,000 PSI
STEEL PILING	Fy = 50,000 PSI
BAR STEEL REINFORCEMENT	Fy = 60,000 PSI
STAINLESS STEEL BAR REINFORCEMENT	FY = 60,000 PSI
STRUCTURAL STEEL	
ASTM A709 GRADE HPS 50W	Fy = 50,000 PSI
ASTM A709 GRADE 50	Fy = 50,000 PSI

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES
4. QUANTITIES & PROFILE GRADE LINES
5. SUBSURFACE EXPLORATION (1 OF 2)
6. SUBSURFACE EXPLORATION (2 OF 2)
7. CONSTRUCTION STAGING
8. NORTH ABUTMENT PLAN AND ELEVATION
9. NORTH ABUTMENT DETAILS (1 OF 2)
10. NORTH ABUTMENT DETAILS (2 OF 2)
11. PIER (1 OF 4)
12. PIER (2 OF 4)
13. PIER (3 OF 4)
14. PIER (4 OF 4)
15. SOUTH ABUTMENT PLAN AND ELEVATION
16. SOUTH ABUTMENT DETAILS (1 OF 2)
17. SOUTH ABUTMENT DETAILS (2 OF 2)
18. BEARING LAYOUT
19. BEARING DETAILS
20. JACKING PROVISIONS
21. FRAMING PLAN & ELEVATIONS (1 OF 2)
22. FRAMING PLAN & ELEVATIONS (2 OF 2)
23. GIRDER SECTION
24. ABUTMENT DIAPHRAGM
25. PIER DIAPHRAGM
26. INTERMEDIATE DIAPHRAGM
27. MISCELLANEOUS DIAPHRAGM DETAILS
28. INTERMEDIATE K-FRAMES, STRUTS & STIFFENERS
29. LATERAL BRACING DETAILS (1 OF 2)
30. LATERAL BRACING DETAILS (2 OF 2)
31. FIELD SPLICE DETAILS
32. MISCELLANEOUS GIRDER DETAILS
33. ACCESS HATCH DETAILS
34. CAMBER DIAGRAM
35. DECK ELEVATIONS (1 OF 2)
36. DECK ELEVATIONS (2 OF 2)
37. SUPERSTRUCTURE REINFORCEMENT (1 OF 2)
38. SUPERSTRUCTURE REINFORCEMENT (2 OF 2)
39. SUPERSTRUCTURE DETAILS
40. EXPANSION JOINT (1 OF 2)
41. EXPANSION JOINT (2 OF 2)
42. STRUCTURAL APPROACH SLAB
43. STRUCTURAL APPROACH SLAB DETAILS
44. SINGLE SLOPE PARAPET 42SS MODIFIED (1 OF 2)
45. SINGLE SLOPE PARAPET 42SS MODIFIED (2 OF 2)
46. LIGHT SUPPORT DETAILS (1 OF 2)
47. LIGHT SUPPORT DETAILS (2 OF 2)
48. AESTHETIC DETAILS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher 7/10/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN JAMES W. CARTER III E-35165 MILWAUKEE, WIS. PROFESSIONAL ENGINEER

STRUCTURE B-40-868

HWY 100 RAMP SL OVER IH 94

COUNTY: MILWAUKEE	~~TOWN/CITY~~/VILLAGE: WEST ALLIS
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ENS	JWC	ENS	JWC

GENERAL PLAN & ELEVATION

SHEET 1 OF 48

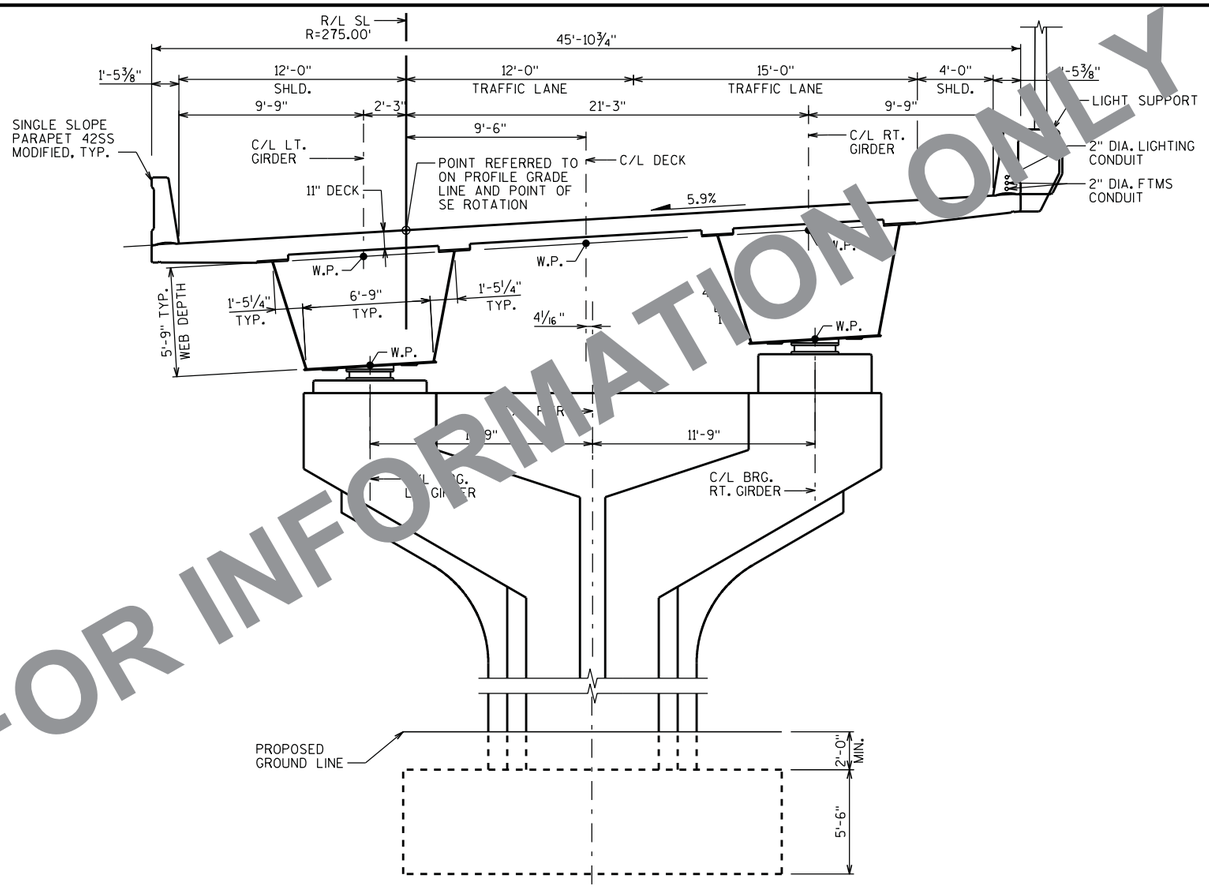
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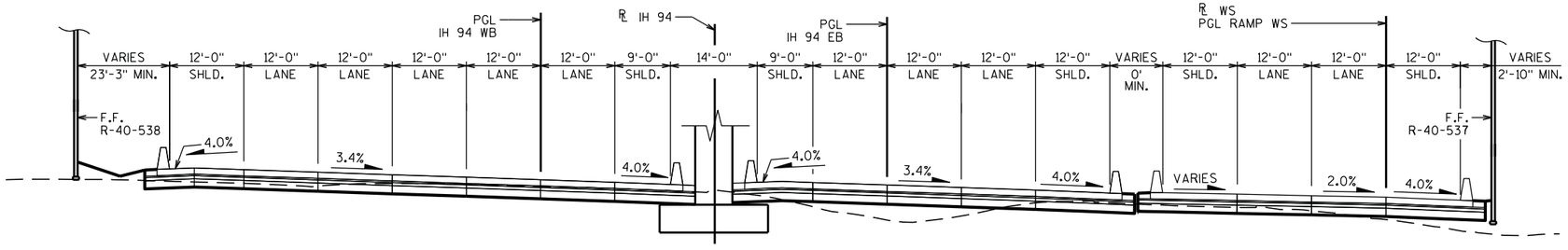
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



TYPICAL SECTION THRU RAMP SL

LOOKING UPSTATION (SOUTH)



ULTIMATE TYPICAL SECTION THRU IH 94 AND RAMP WS

(LOOKING EAST)

INTERIM TYPICAL SECTION THRU IH 94

(LOOKING EAST)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-868

DRAWN BY ENS | PLANS CK'D. KTM

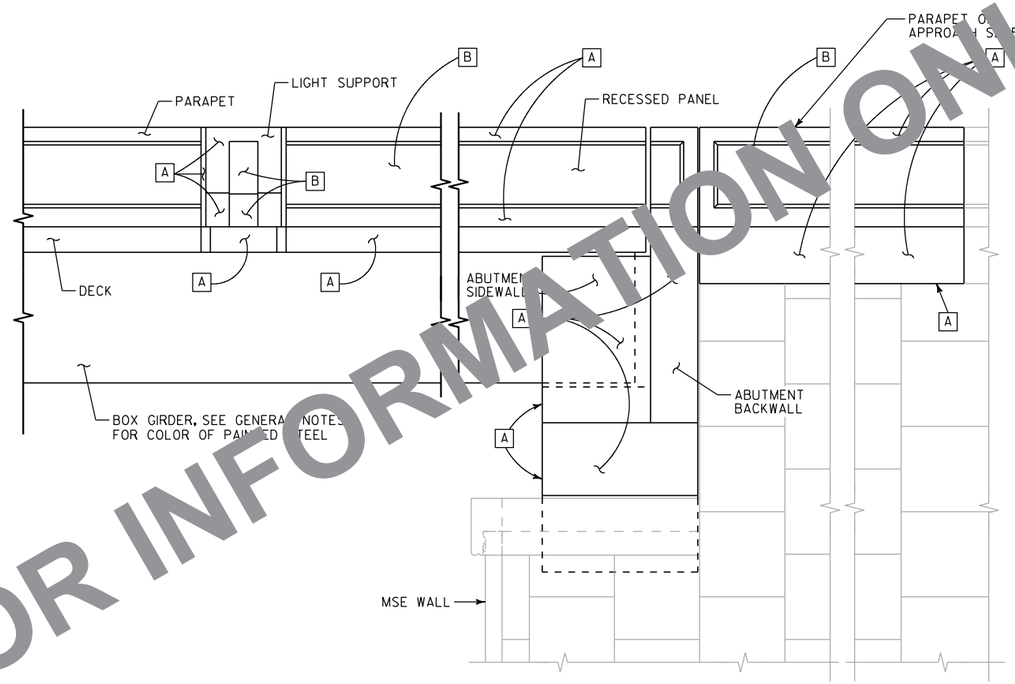
TYPICAL SECTIONS

SHEET 2 OF 48

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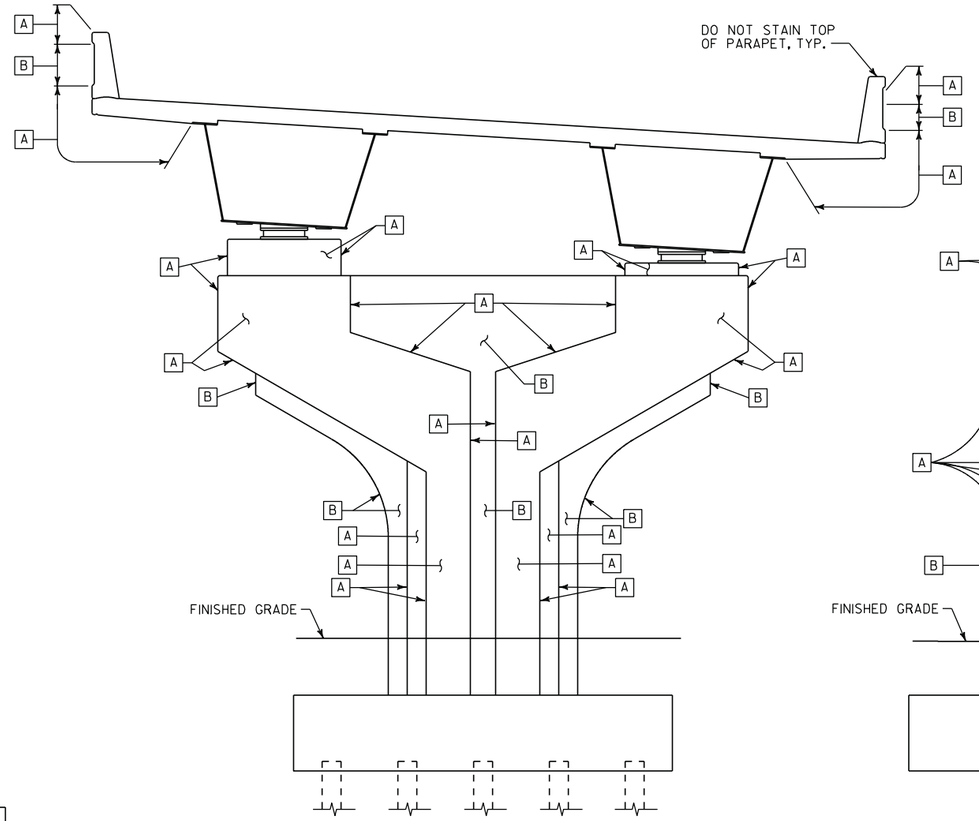
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



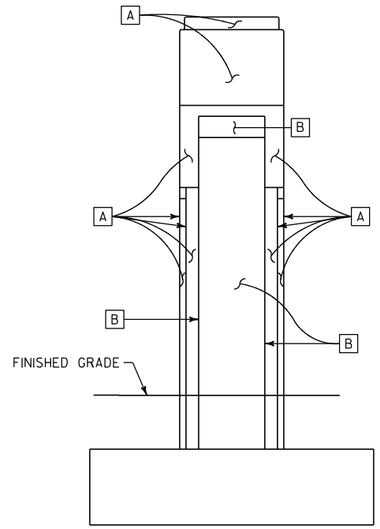
OUTSIDE ELEVATION OF WEST PARAPET

(EAST PARAPET SIMILAR)



ELEVATION OF PIER

(LOOKING DOWNSTATION)



END VIEW OF PIER

(LOOKING WEST)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLOR.
		DECK	FASCIA AND EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE.
		APPROACH SLAB	FASCIA AND UNDERSIDE OF FASCIA.
		ABUTMENT	FRONT FACE OF BEAM SEAT FROM TOP OF ABUTMENT TO TOP OF RETAINING WALL COPING, EXTERIOR EXPOSED FACE OF ABUTMENT BODY, EXTERIOR EXPOSED FACE OF BACKWALL, FRONT FACE AND EXTERIOR EXPOSED FACE OF SIDEWALL, AND EACH SIDE OF GIRDER PEDESTAL.
		PIER	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM AND STEM TO FINISHED GRADE, EXCEPT AS NOTED FOR ACCENT COLORS.
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON EXTERIOR FACE AND AT EACH RAISED PANEL ON LIGHT BLISTERS.
		PIERS	RECESS AREAS AND REVEALS ON PIERS.

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:

BASE COLOR: FEDERAL COLOR - 33564

ACCENT COLOR #1: FEDERAL COLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-868

DRAWN BY ENS | PLANS CK'D. HDA

AESTHETIC DETAILS

SHEET 48 OF 48

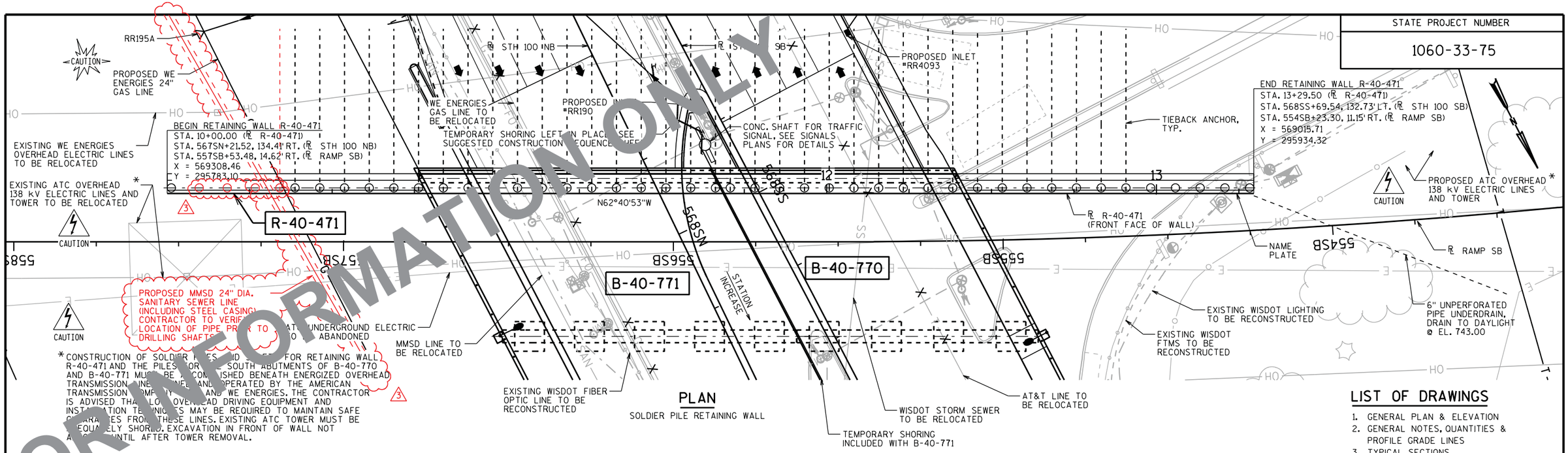
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FOR INFORMATION ONLY

STATE PROJECT NUMBER

1060-33-75

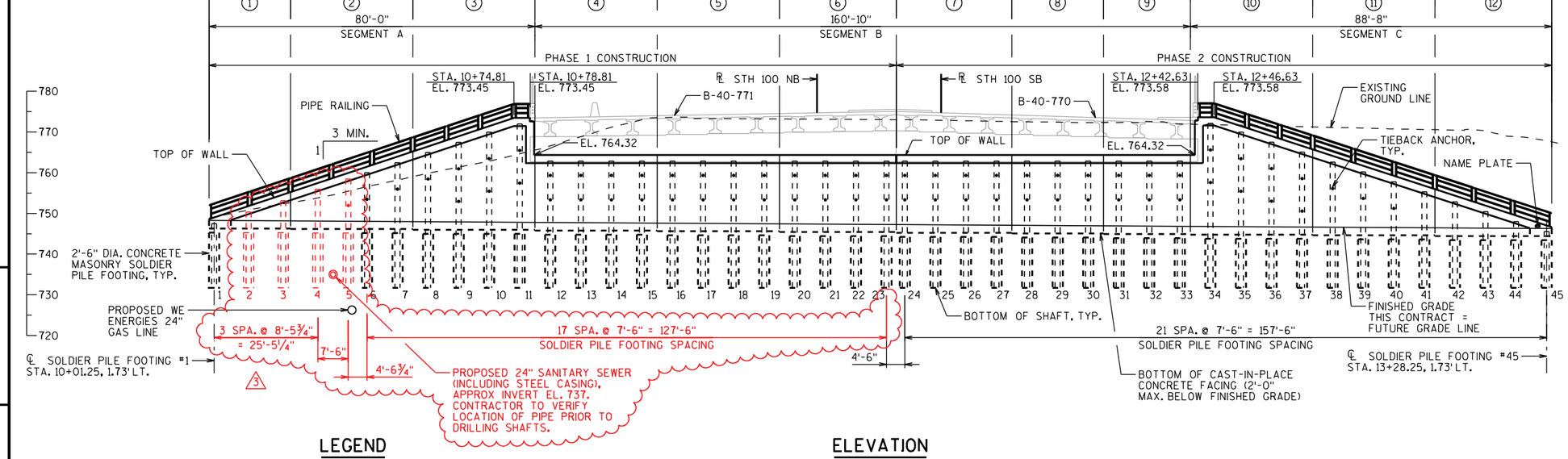


PLAN

SOLDIER PILE RETAINING WALL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. GENERAL NOTES, QUANTITIES & PROFILE GRADE LINES
3. TYPICAL SECTIONS
4. SUGGESTED CONSTRUCTION SEQUENCE
5. SOLDIER PILE DATA TABLE
6. TIEBACK ANCHOR DETAILS & DATA TABLE
7. COPING & WALL ELEVATION (1 OF 3)
8. COPING & WALL ELEVATION (2 OF 3)
9. COPING & WALL ELEVATION (3 OF 3)
10. COPING & WALL DETAILS (1 OF 2)
11. COPING & WALL DETAILS (2 OF 2)
12. REINFORCING SCHEDULE
13. PIPE RAILING DETAILS
14. AESTHETIC WALL TREATMENT DETAILS
15. SUBSURFACE EXPLORATION



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- TRAFFIC DIRECTION
- [C] CONTRACTION JOINT IN COPING AND CONCRETE FACING
- (E) EXPANSION JOINT IN COPING AND CONCRETE FACING
- (#) PANEL NUMBER

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 315-7040

NO.	DATE	REVISION	BY
3	4/4/14	SANITARY SEWER & SOLDIER PILES	MSS

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-471

WALL AT B-40-770 & B-40-771 SOUTH ABUTMENT

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: WEST ALLIS
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	
DESIGNED BY: MSS	DESIGN CK'D.: MPM
DRAWN BY: MSS	PLANS CK'D.: MPM

GENERAL PLAN & ELEVATION

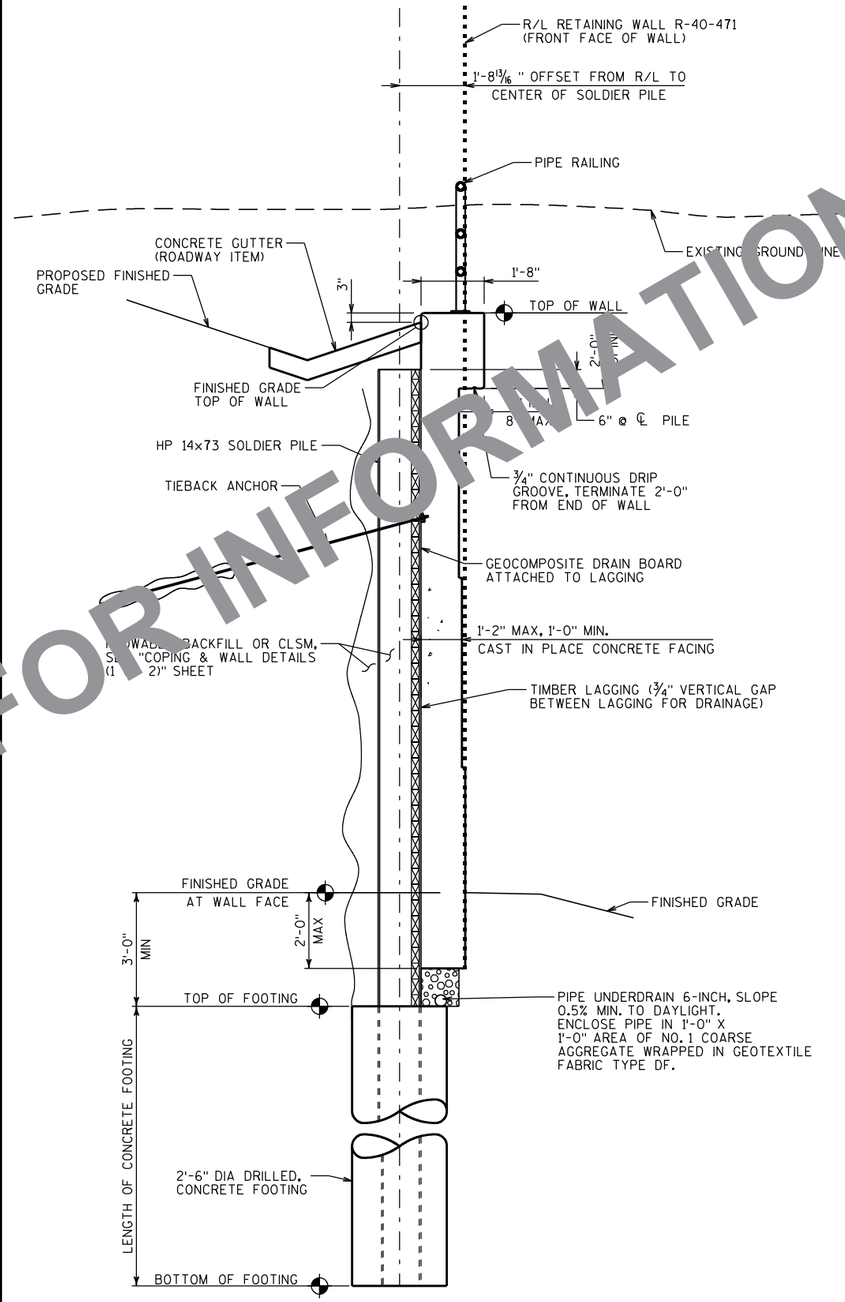
SHEET 1 OF 15

1047
6492

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PLOT NAME : 080101_gp_REV3
PLOT SCALE : 30:1

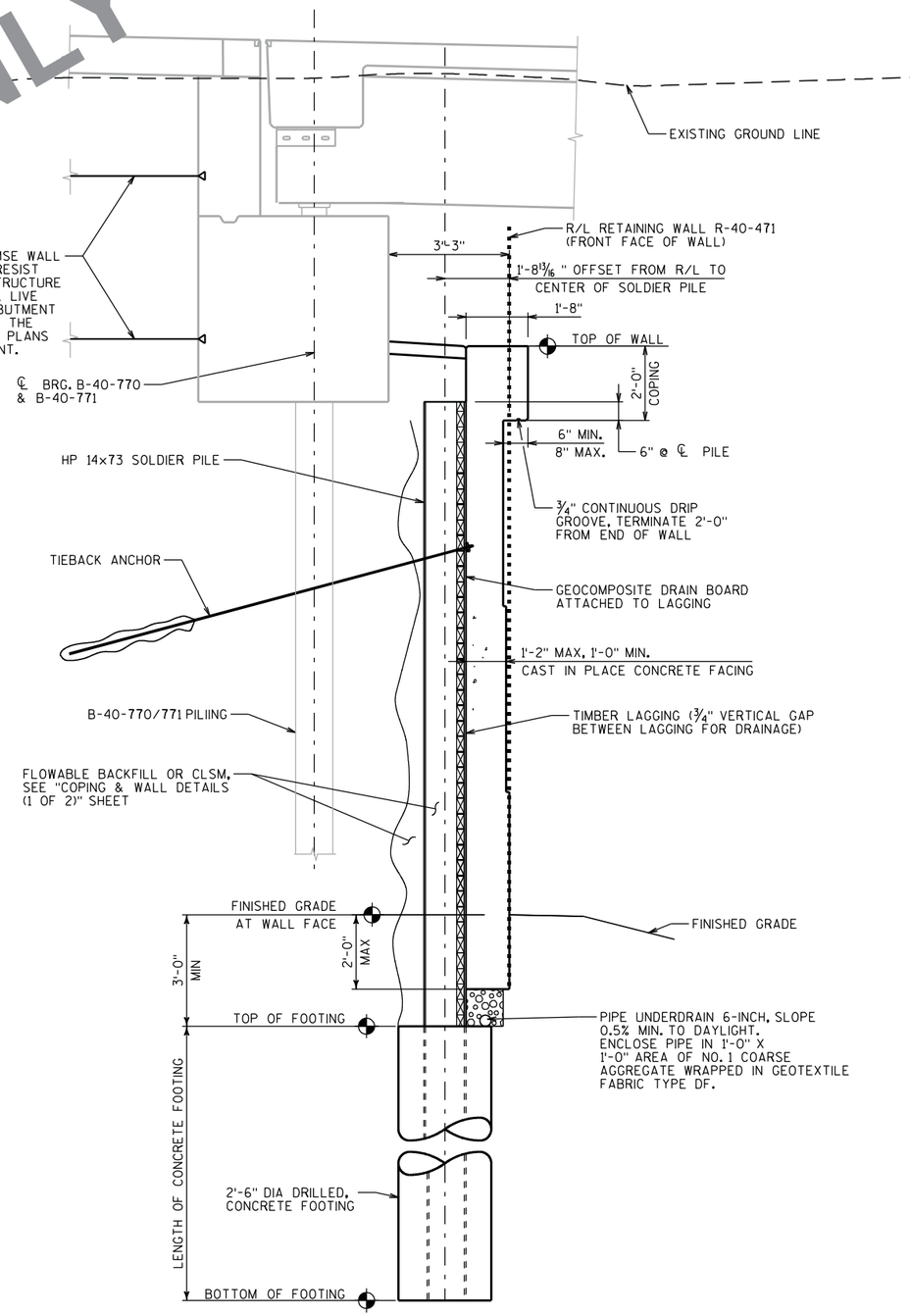
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



SEGMENTS A & C - TYPICAL SECTION

LOOKING WEST
SEGMENT A - STA. 10+00.00 TO STA. 10+80.00
SEGMENT C - STA. 12+40.83 TO STA. 13+29.50



SEGMENT B - TYPICAL SECTION

LOOKING WEST
STA. 10+80.00 TO STA. 12+40.83

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-471

DRAWN BY ENS | PLANS CK'D. MPM

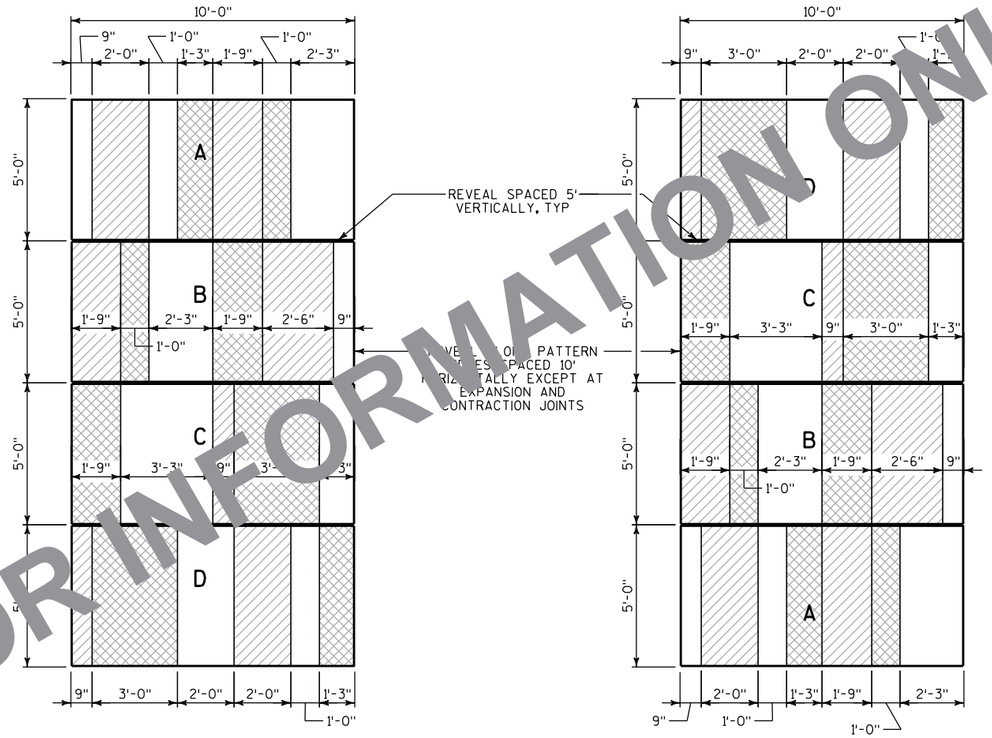
TYPICAL SECTIONS

SHEET 3 OF 15

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PLOT NAME : 080103_ts
PLOT SCALE : 4:1

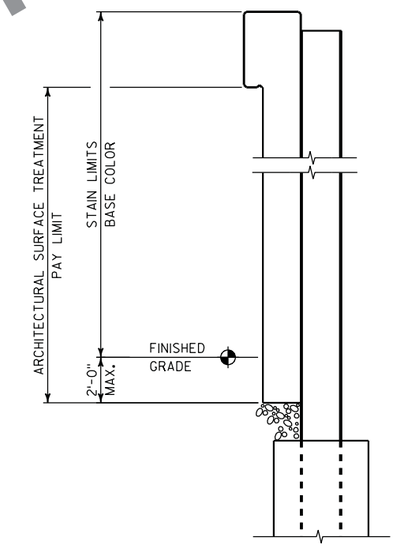
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



CAST-IN-PLACE PATTERN '1'

CAST-IN-PLACE PATTERN '2'



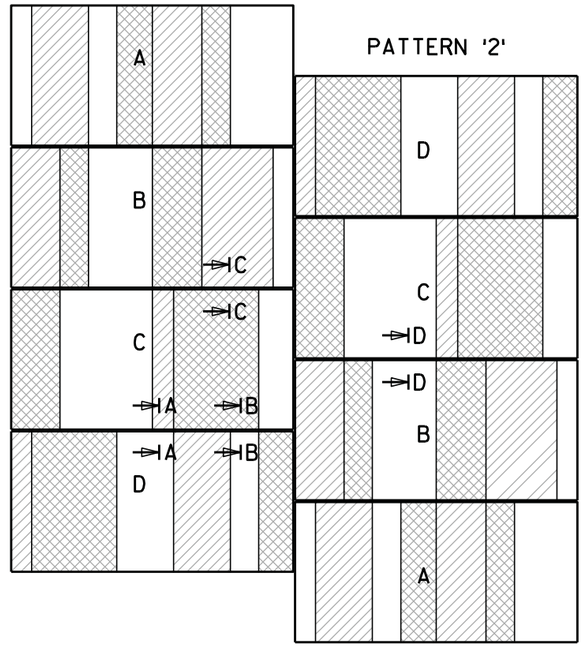
WALL STAINING DIAGRAM

BASE COLOR: FEDERAL COLOR - 33564

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

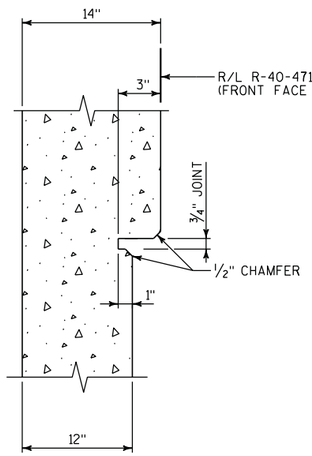
PATTERN '1'

PATTERN '2'



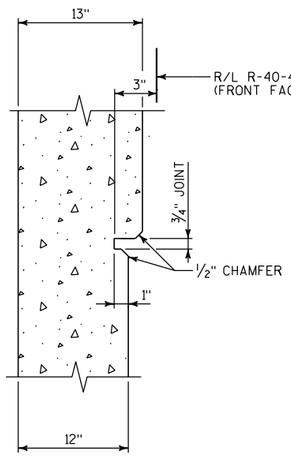
TYPICAL CAST-IN-PLACE PATTERN

PATTERN REPEATS 10' HORIZONTALLY, STAGGERED 30" VERTICALLY REPEAT VERTICALLY AS REQUIRED



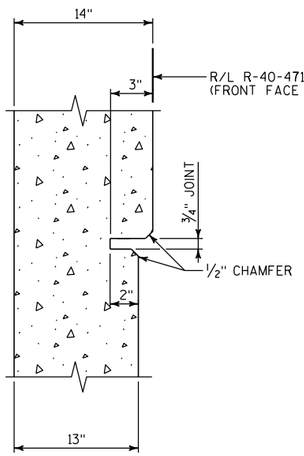
REVEAL SECTION A-A

CONC FACING WIDTHS ADJACENT TO REVEAL VARY BY 2"



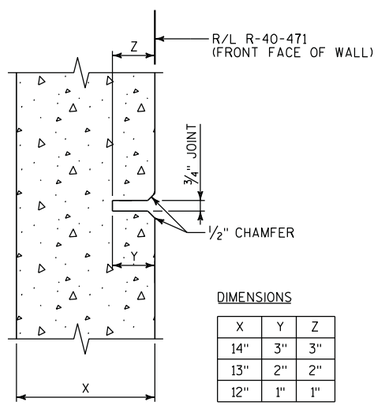
REVEAL SECTION B-B

CONC FACING WIDTHS ADJACENT TO REVEAL VARY BY 1"



REVEAL SECTION C-C

CONC FACING WIDTHS ADJACENT TO REVEAL VARY BY 1"



DIMENSIONS

X	Y	Z
14"	3"	3"
13"	2"	2"
12"	1"	1"

REVEAL SECTION D-D

CONC FACING WIDTHS ADJACENT TO REVEAL ARE EQUAL

LEGEND

FACING THICKNESS	
	12"
	13"
	14"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-471

DRAWN BY MSS | PLANS CK'D. MPM

AESTHETIC WALL TREATMENT DETAILS

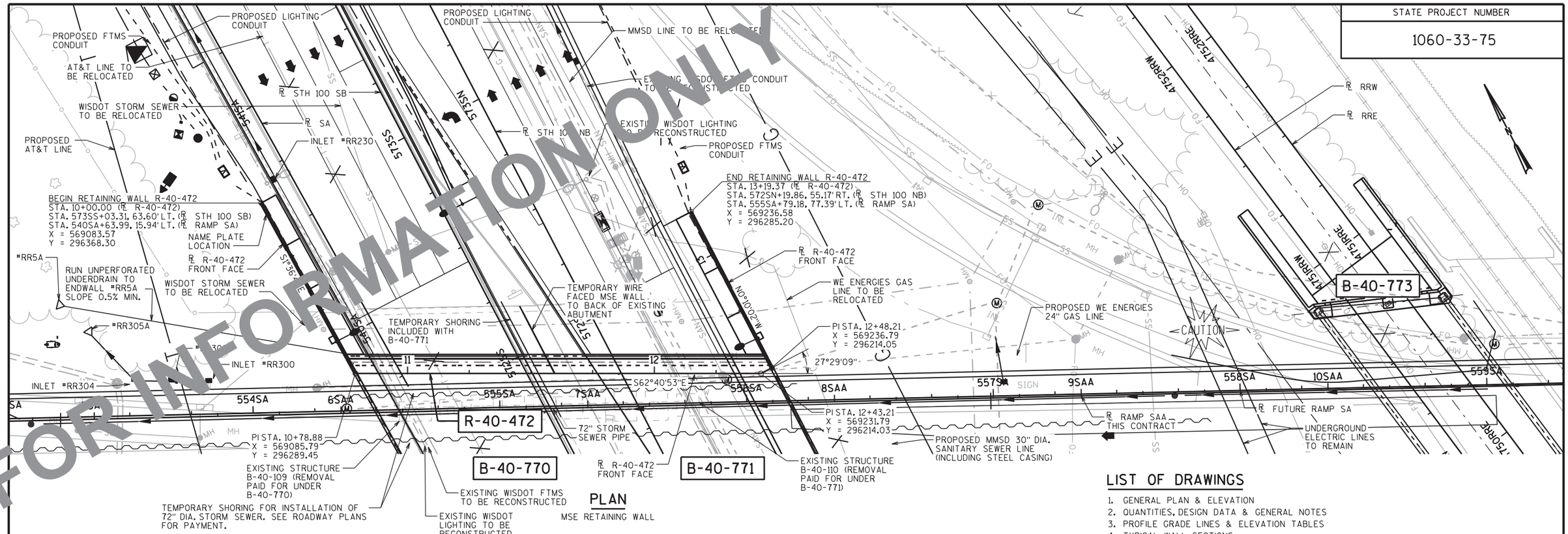
SHEET 14 OF 15

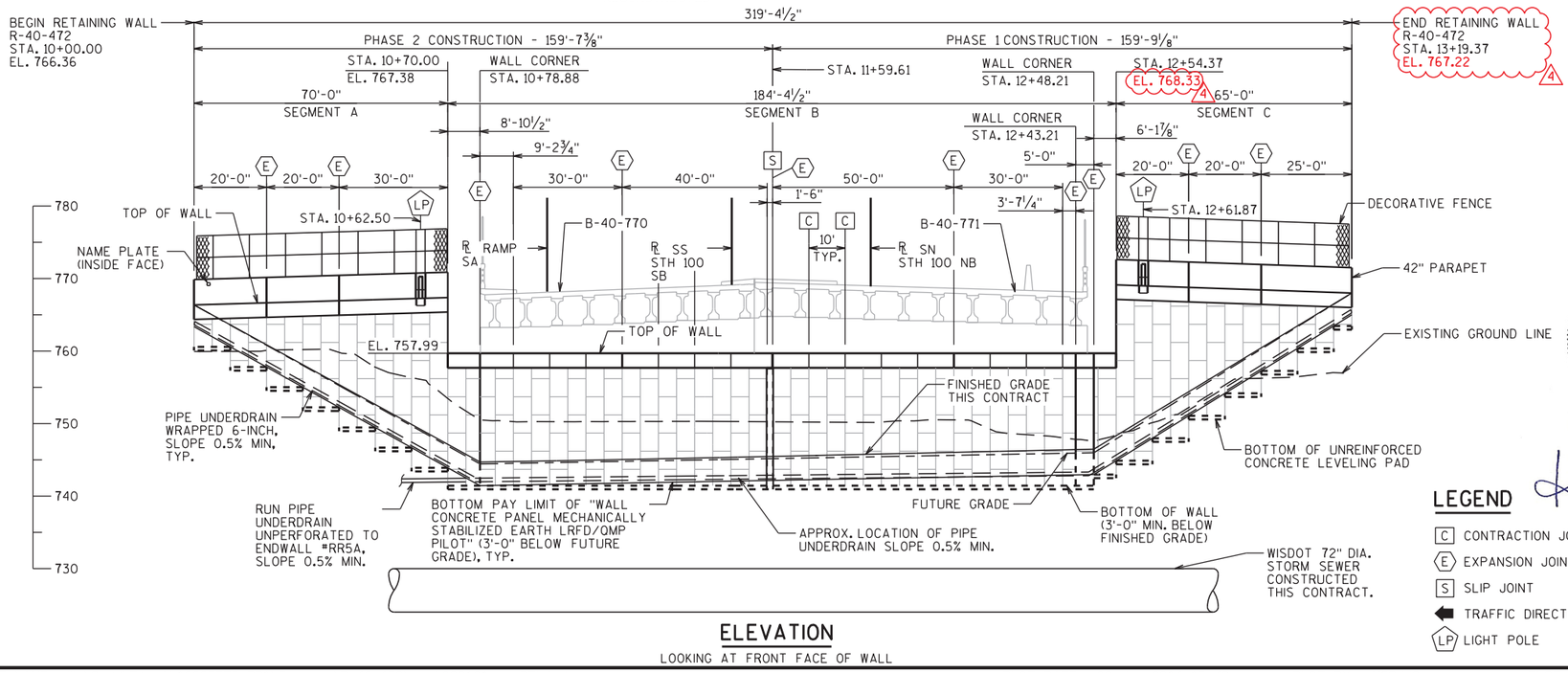
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75





ELEVATION

LOOKING AT FRONT FACE OF WALL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, DESIGN DATA & GENERAL NOTES
3. PROFILE GRADE LINES & ELEVATION TABLES
4. TYPICAL WALL SECTIONS
5. SEGMENT A PARAPET & COPING PLAN & ELEVATION
6. SEGMENT B COPING PLAN & ELEVATION
7. SEGMENT C PARAPET & COPING PLAN & ELEVATION
8. PARAPET, ANCHOR SLAB & COPING DETAILS
9. LIGHT SUPPORT DETAILS
10. DECORATIVE FENCE (1 OF 4)
11. DECORATIVE FENCE (2 OF 4)
12. DECORATIVE FENCE (3 OF 4)
13. DECORATIVE FENCE (4 OF 4)
14. AESTHETIC WALL TREATMENT DETAILS
15. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 315-7040

LEGEND

- C CONTRACTION JOINT
- E EXPANSION JOINT
- S SLIP JOINT
- TRAFFIC DIRECTION
- LP LIGHT POLE

WISCONSIN
HEATHER D. ANDERS, P.E.
33441-006
CEDARBURG, WI
PROFESSIONAL ENGINEER

Heather Anders
7-12-2013

NO.	DATE	REVISION	BY
4	7/11/14	WALL ELEVATIONS	JJO

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher DVR 7/12/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-40-472

NORTH ABUTMENT AT B-40-770 & B-40-771

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	WEST ALLIS

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KTM	HDA	KTM	HDA

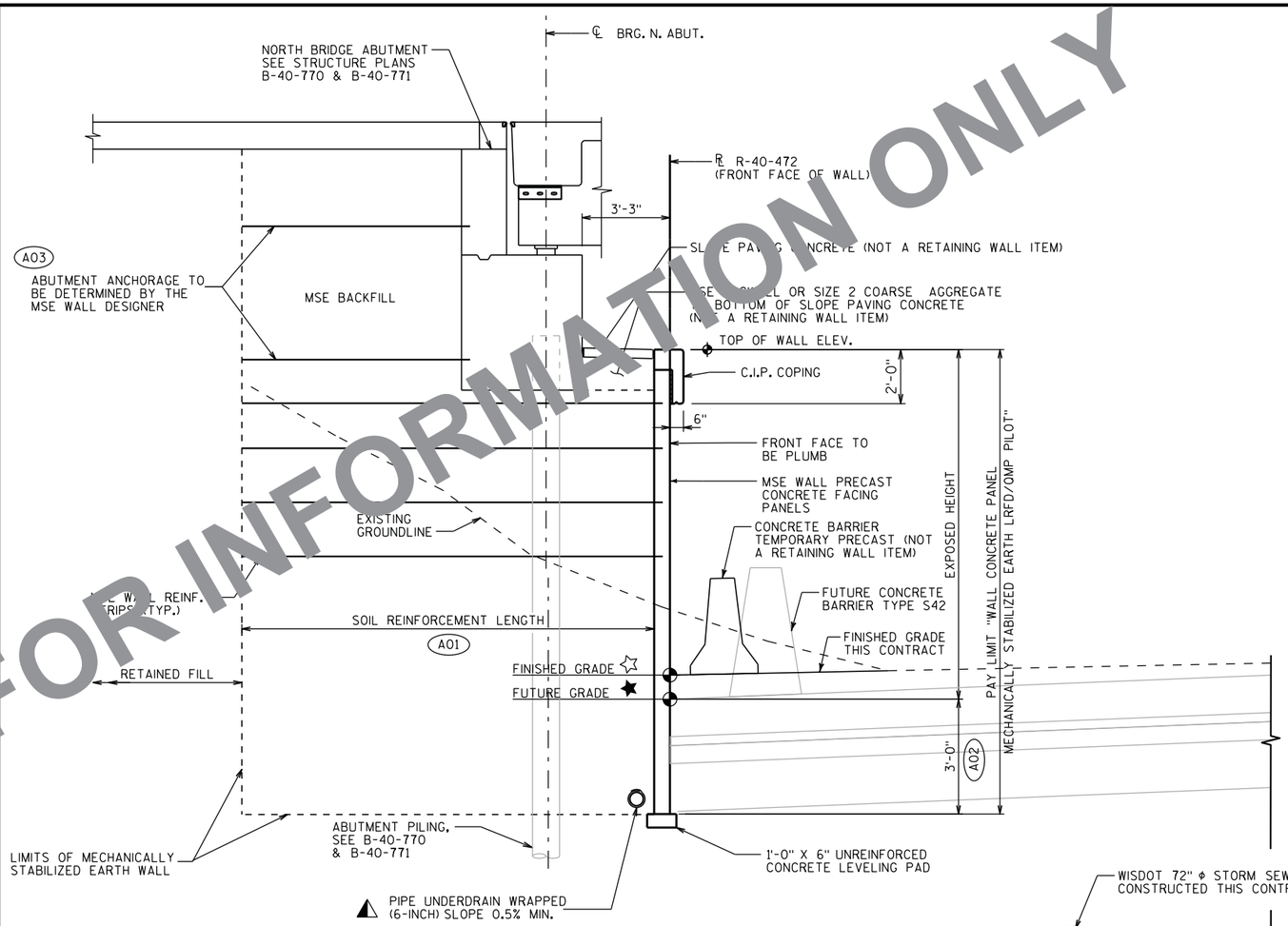
GENERAL PLAN & ELEVATION

SHEET 1 OF 15

1062
6495

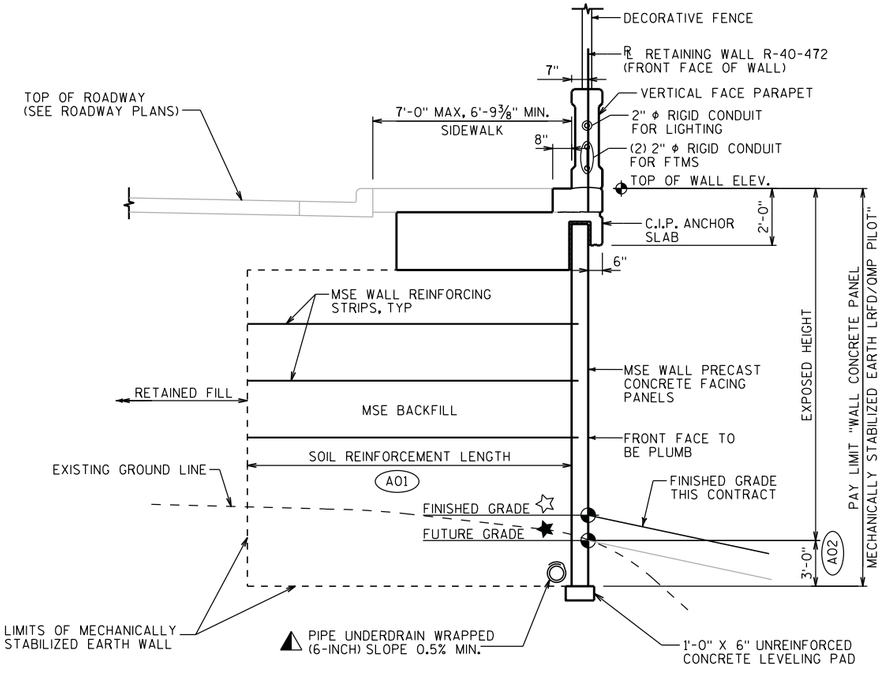
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



TYPICAL WALL SECTION - SEGMENT B

LOOKING EAST



TYPICAL WALL SECTION - SEGMENTS A AND C

SEGMENT A SHOWN LOOKING SOUTH
SEGMENT C SIMILAR LOOKING NORTH

LEGEND

(A01) SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 2 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

(A02) MINIMUM DIMENSION FROM FUTURE GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD SHOWN. COORDINATE CONSTRUCTION OF THE LEVELING PAD WITH THE WALL PANEL FABRICATOR. PAY LIMIT BASED ON MINIMUM DIMENSION.

(A03) DESIGN THE ADDITIONAL MSE WALL REINFORCING STRIPS TO RESIST AN UNFACTORED SUPERSTRUCTURE LONGITUDINAL HORIZONTAL LINE LOAD OF 4 K/LF OF ABUTMENT LENGTH TRANSFERRED BY THE ABUTMENTS. SEE QUANTITIES, DESIGN DATA & GENERAL NOTES" SHEET FOR DETAILS AND PAYMENT.

★ FUTURE GRADE - FINISHED GRADE AT CONCLUSION OF PROJECT ID 1060-33-80. BOTTOM OF WALL/TOP OF LEVELING PAD SHALL BE 3'-0" MIN BELOW THIS ELEVATION.

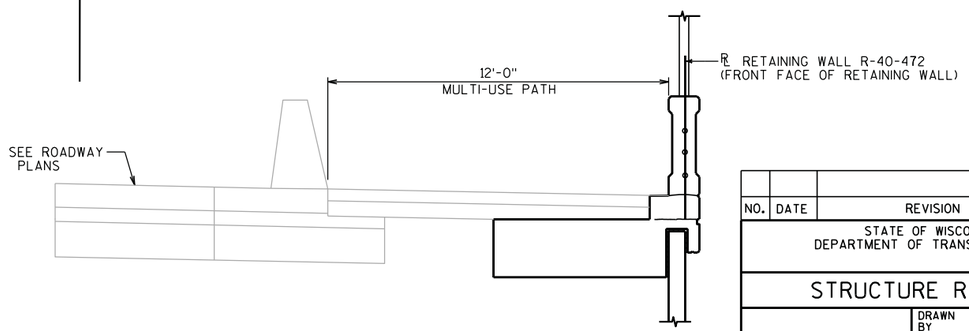
☆ FINISHED GRADE AT CONCLUSION OF THIS PROJECT ID 1060-33-75.

◭ CONNECT PIPE UNDERDRAIN WRAPPED TO ENDWALL *RR5A USING PIPE UNDERDRAIN UNPERFORATED 6-INCH. SEE GENERAL PLAN AND ELEVATION. CONNECTION OF PIPE UNDERDRAIN UNPERFORATED TO ENDWALL IS INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN UNPERFORATED 6-INCH". CAP PIPE UNDERDRAIN WRAPPED TEMPORARILY FOR PHASE 1 CONSTRUCTION AT TEMPORARY WALL WIRE FACED MSE. CAP WILL BE REMOVED BETWEEN PHASES ALLOWING FOR CONNECTION OF PIPE UNDERDRAIN WRAPPED DURING PHASE 2 CONSTRUCTION. TEMPORARY CAP INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

MSE TYPICAL SECTION NOTES

ROADWAY IN FRONT OF WALL TO BE RECONSTRUCTED UNDER A FUTURE CONTRACT.

INSTALL BRIDGE PILING BEFORE CONSTRUCTING MSE WALL. INSTALLATION OF BRIDGE PILING IS NOT A RETAINING WALL ITEM.



SEGMENT C PARTIAL TYPICAL SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-472

DRAWN BY KTM | PLANS CK'D. HDA

TYPICAL WALL SECTIONS

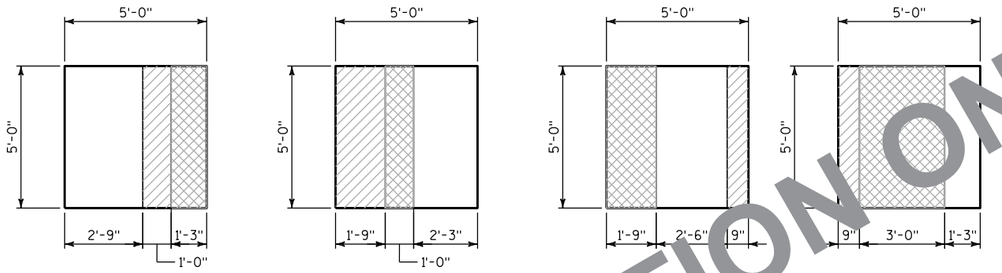
SHEET 4 OF 15

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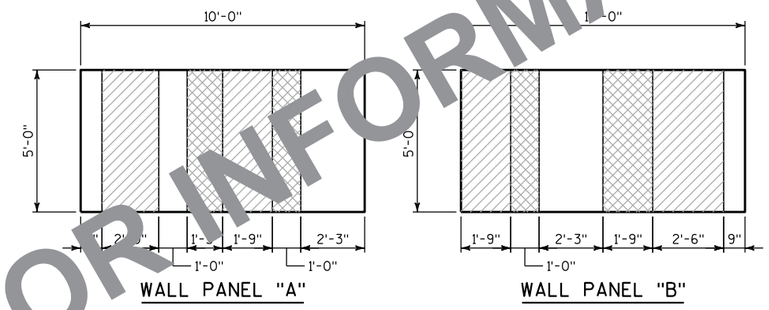
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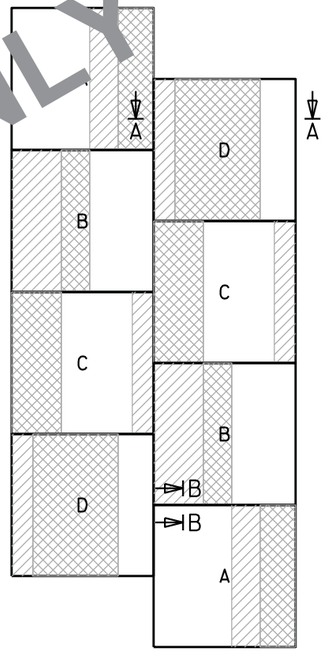
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



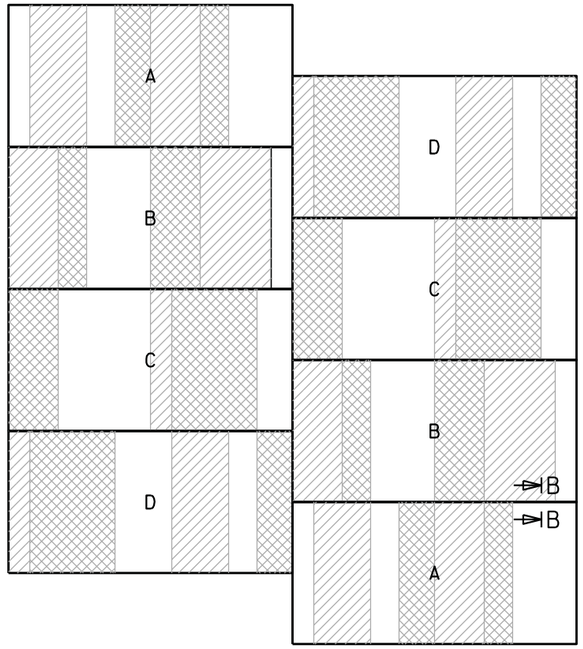
5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS





TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN

PATTERN REPEATS 5' HORIZONTALLY, STAGGERED 30" VERTICALLY
REPEAT VERTICALLY AS REQUIRED



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

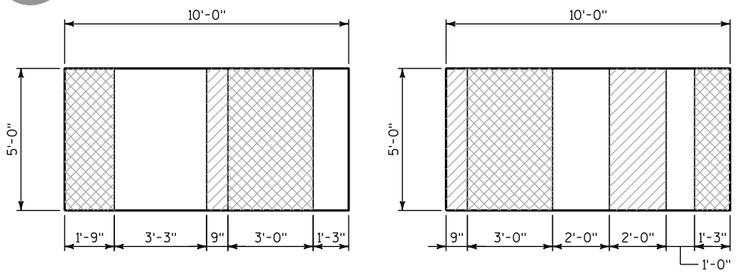
PATTERN REPEATS 10' HORIZONTALLY, STAGGERED 30" VERTICALLY
REPEAT VERTICALLY AS REQUIRED

ARCHITECTURAL SURFACE TREATMENT NOTES:

ARCHITECTURAL SURFACE TREATMENT SHALL EXTEND 1'-0" MINIMUM BELOW FUTURE FINISHED GRADE.

PAY LIMITS FOR BID ITEM "ARCHITECTURAL SURFACE TREATMENT" SHALL BE THE SAME AS THE LIMITS FOR BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT".

SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-472".



5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

CONCRETE STAINING SCHEDULE

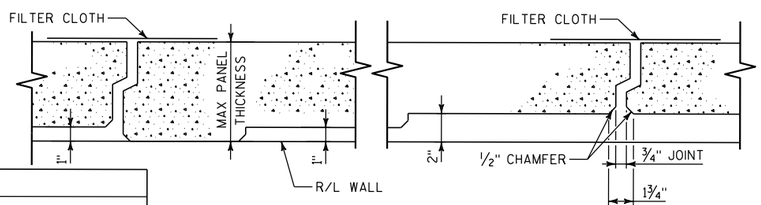
MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR #1	VERTICAL FACE PARAPETS	RECESSED PANELS ON BOTH SIDES

STAIN COLORS

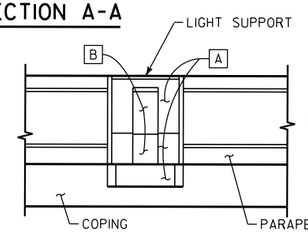
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR #1 - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

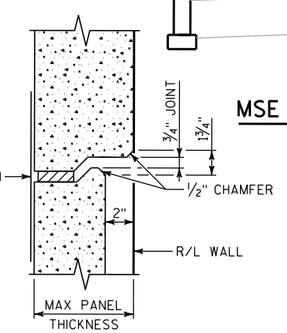


SECTION A-A

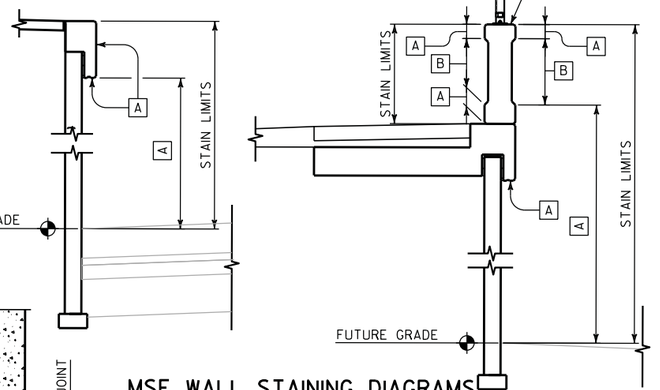


OUTSIDE ELEVATION OF PARAPET STAINING DIAGRAM

(AT LIGHT SUPPORT)



SECTION B-B



MSE WALL STAINING DIAGRAMS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-472

DRAWN BY KTM | PLANS CK'D. HDA

AESTHETIC WALL TREATMENT DETAILS

SHEET 14 OF 15

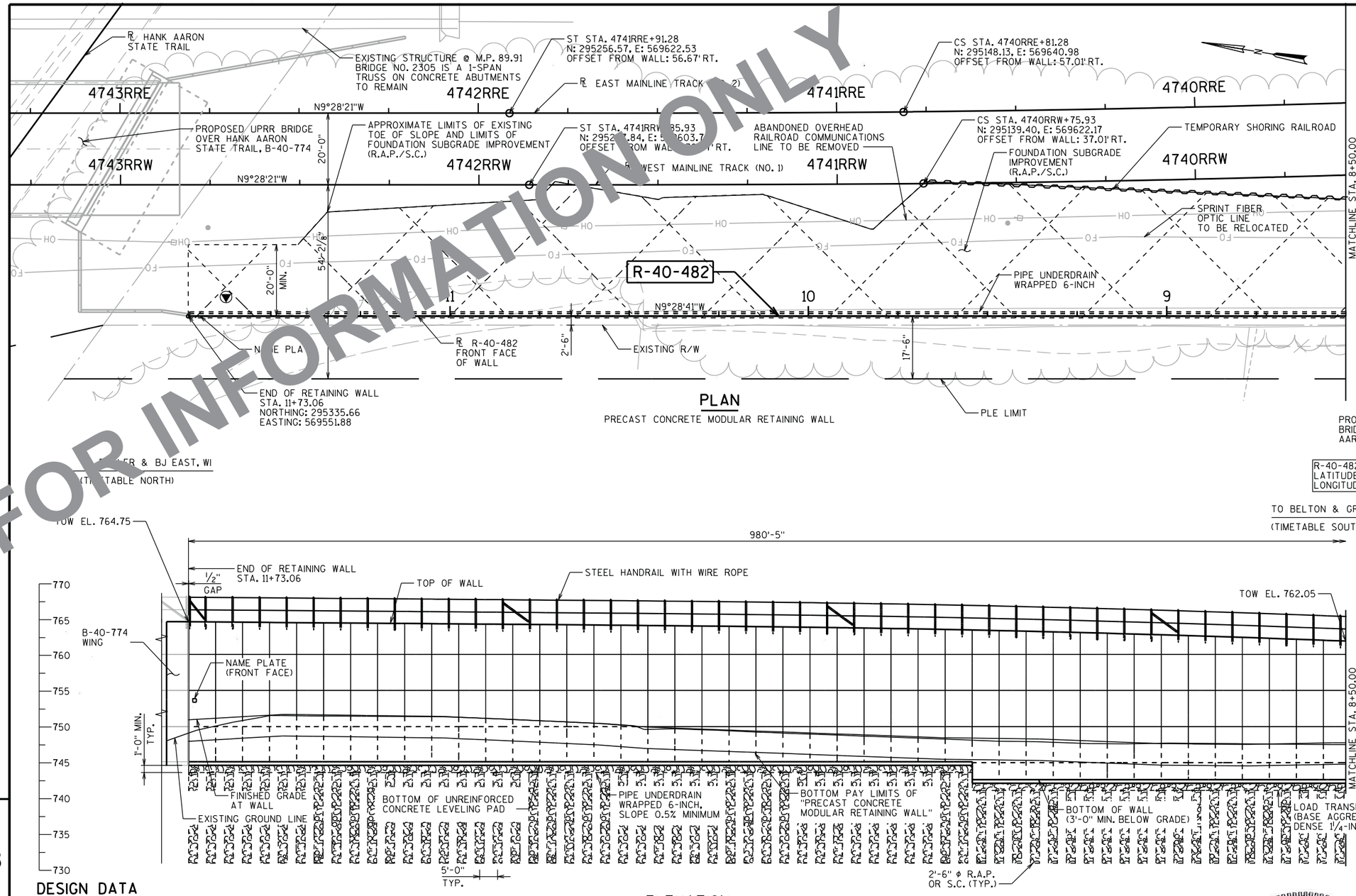
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PLOT DATE : 01-MAY-2013 08:28
PLOT BY : MSCHDA
PLOT NAME : 080201_ae
PLOT SCALE : 5.333333:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75

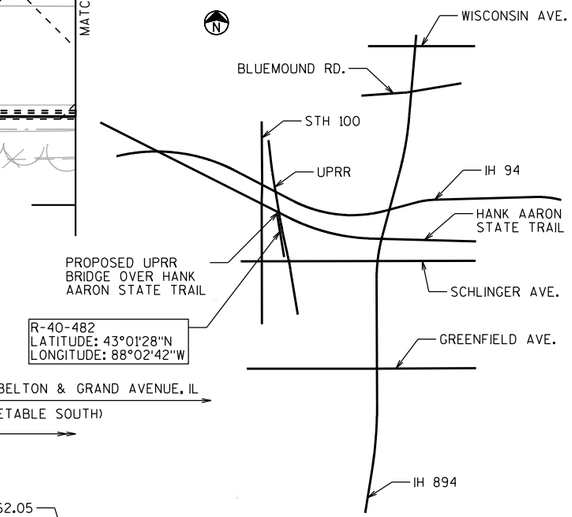
LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2
3. GENERAL PLAN & ELEVATION 3
4. GENERAL NOTES & QUANTITIES
5. STONE COLUMN/R.A.P. DETAILS
6. TYPICAL SECTION & AESTHETIC DETAILS
7. HANDRAIL DETAILS
8. SUBSURFACE EXPLORATION 1
9. SUBSURFACE EXPLORATION 2
10. SUBSURFACE EXPLORATION 3



PLAN

PRECAST CONCRETE MODULAR RETAINING WALL



LOCATION MAP

ELEVATION

LOOKING EAST AT FRONT FACE OF WALL

DESIGN DATA

DESIGN SPECIFICATIONS

2010 AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION (AREMA) MANUAL FOR RAILWAY ENGINEERING CHAPTER 8 CONCRETE STRUCTURES AND FOUNDATIONS

APPLIED LIVE LOAD

COOPER E-80 AT BASE OF 8'-6" WOOD TIE

MATERIAL PROPERTIES

CONCRETE MASONRY LEVELING PAD	f'c = 2,500 PSI
PRECAST CONCRETE MODULAR RETAINING WALL	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI

FOUNDATION DATA - ALLOWABLE SOIL BEARING CAPACITY ON IMPROVED SUBGRADE (R.A.P./S.C.)

PRECAST CONCRETE MODULAR RETAINING WALL	5,500 PSF
LEVELING PAD FOOTING	5,500 PSF

NOTES:

1. HORIZONTAL PANEL JOINTS SHOWN IN CONCEPT ONLY. VERTICAL PANEL JOINTS AND PROPOSED WALL LENGTH ARE BASED UPON 7'-6" WIDE UNITS SPACED WITH A ½" GAP BETWEEN EACH UNIT. DIMENSIONS AND LAYOUT TO BE PROVIDED BY THE PRECAST CONCRETE MODULAR RETAINING WALL MANUFACTURER.
2. FOR TABLE OF WALL ELEVATIONS, SEE SHEET 3.
3. R.A.P. - RAMMED AGGREGATE PIERS
4. S.C. - STONE COLUMNS

▼ APPROXIMATE DESIGN VERIFICATION LOAD TEST LOCATION

WISCONSIN JAMES W. CARTER III E-35165 7-9-13 MILWAUKEE, WIS. PROFESSIONAL ENGINEER

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 315-7040

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher 7/10/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-40-482

RET. WALL SOUTH OF HAST. MILWAUKEE SUB M.P. 89.72

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: WAUWATOSA
DESIGN SPEC.: AREMA 2010	
DESIGNED BY EAJ/ENH	DESIGN CK'D. JWC/BDL
DRAWN BY EAJ/ENH	PLANS CK'D. JWC/BDL

GENERAL PLAN & ELEVATION 1

SHEET 1 OF 10

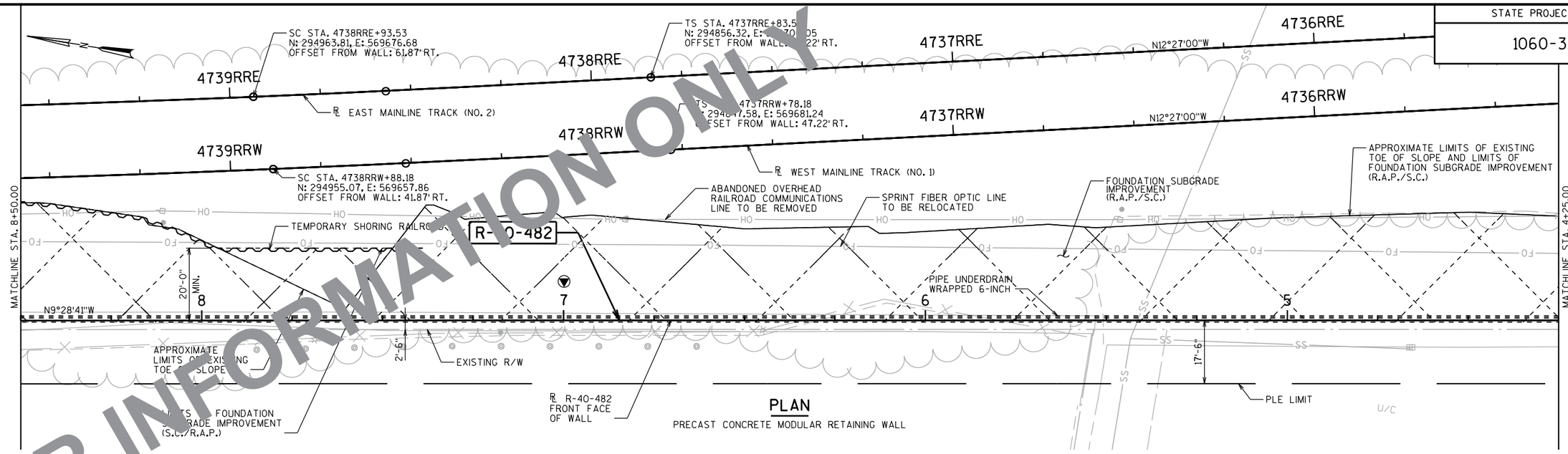
6498

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STATE PROJECT NUMBER
1060-33-75



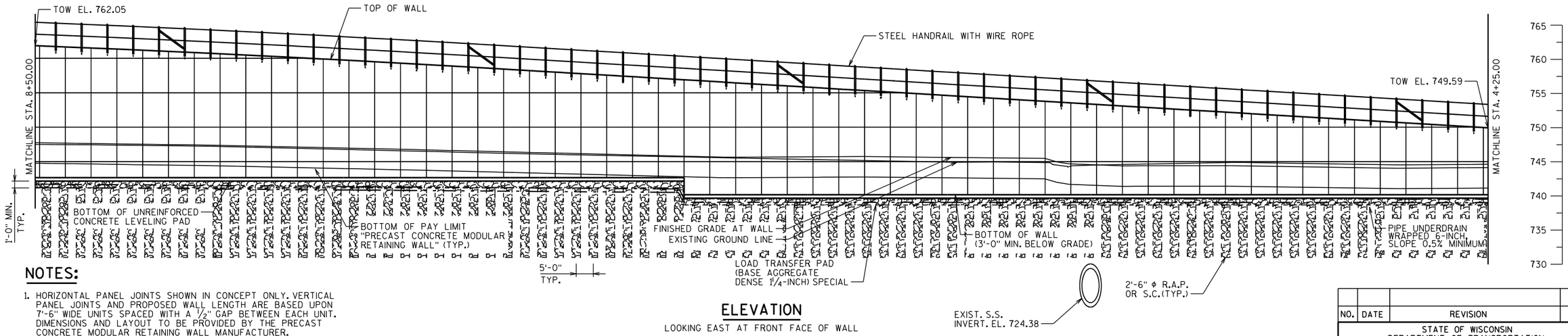
PLAN

PRECAST CONCRETE MODULAR RETAINING WALL

TO BJ EAST, WI
(TIMETABLE NORTH)

TO GRAND AVENUE, IL
(TIMETABLE SOUTH)

980'-5"



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL

NOTES:

1. HORIZONTAL PANEL JOINTS SHOWN IN CONCEPT ONLY. VERTICAL PANEL JOINTS AND PROPOSED WALL LENGTH ARE BASED UPON 7'-6" WIDE UNITS SPACED WITH A ½" GAP BETWEEN EACH UNIT. DIMENSIONS AND LAYOUT TO BE PROVIDED BY THE PRECAST CONCRETE MODULAR RETAINING WALL MANUFACTURER.
2. FOR TABLE OF WALL ELEVATIONS, SEE SHEET 3.
3. SHORING REQUIRED WHERE EXCAVATION AND BACKFILL LIMITS ENCROACH BEYOND TOE OF SLOPE FOR EXISTING EMBANKMENT OF EXISTING TRACKS.
4. R.A.P. - RAMMED AGGREGATE PIERS
5. S.C. - STONE COLUMNS

▼ APPROXIMATE DESIGN VERIFICATION LOAD TEST LOCATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-482

DRAWN BY EAJ/ENH | PLANS CK'D. JWC/BDL

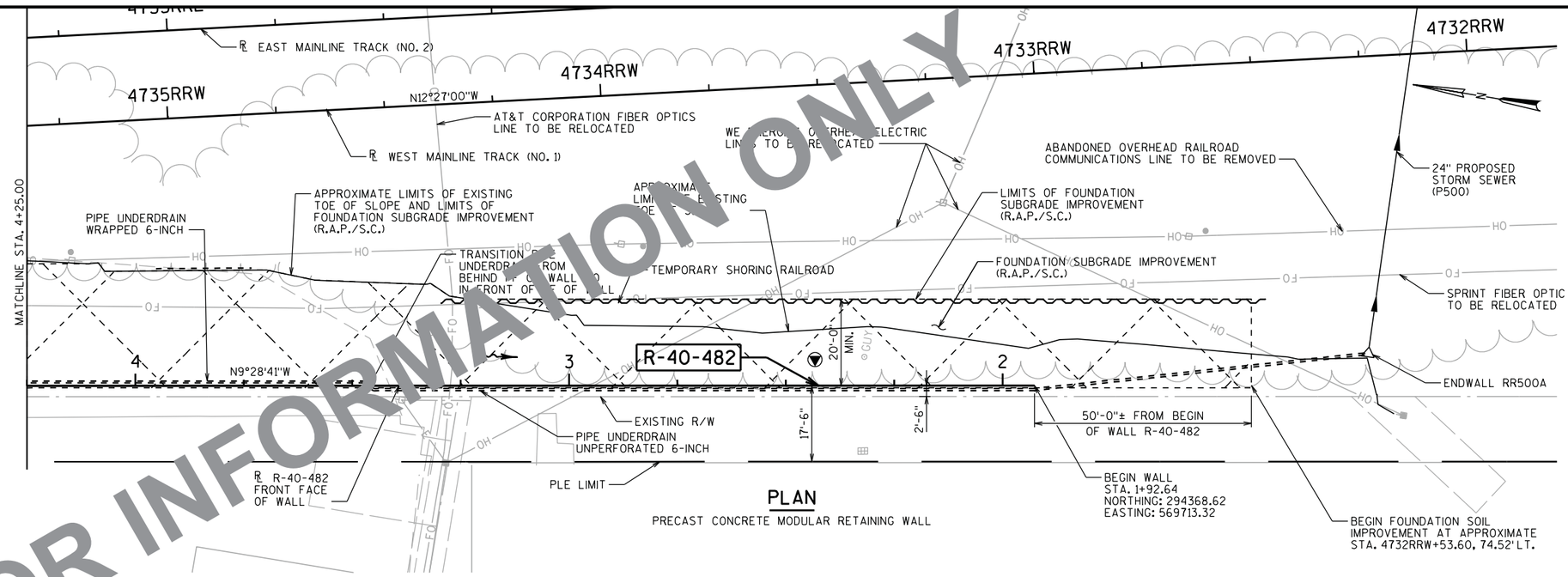
GENERAL PLAN & ELEVATION 2

SHEET 2 OF 10

6499

FOR INFORMATION ONLY

FOR INFORMATION ONLY

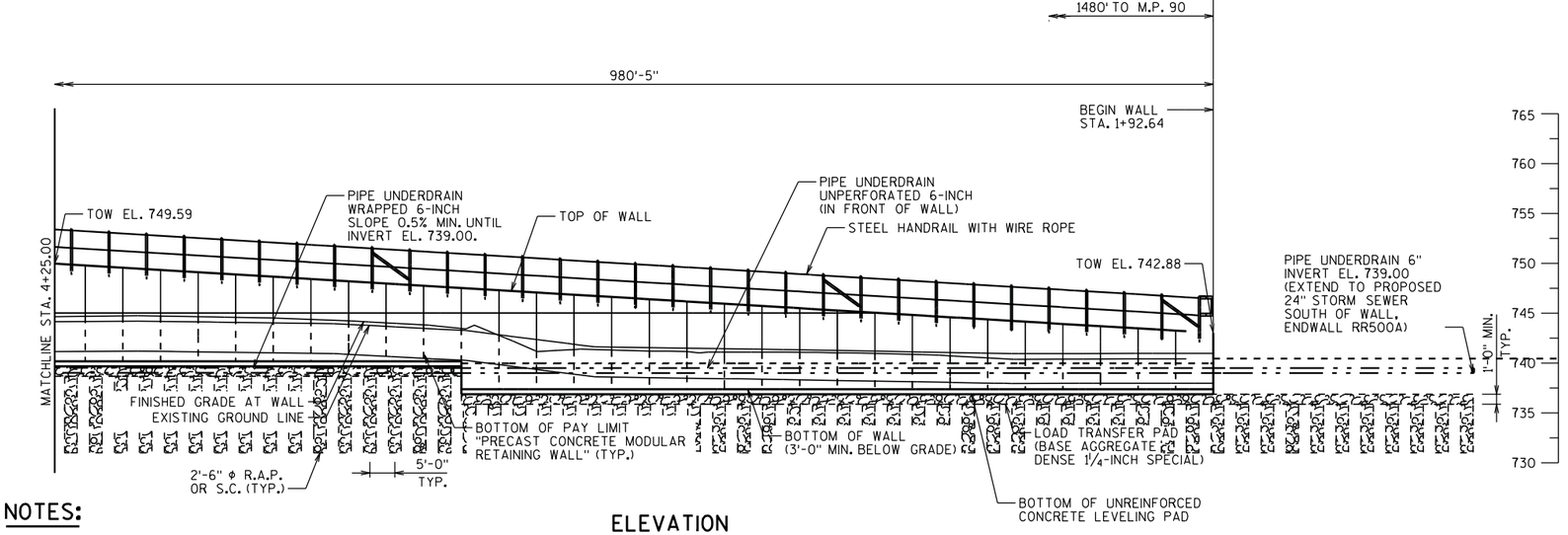


PLAN

PRECAST CONCRETE MODULAR RETAINING WALL

TO BJ EAST, WI
(TIMETABLE NORTH)

TO GRAND AVENUE, IL
(TIMETABLE SOUTH)



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL

NOTES:

1. HORIZONTAL PANEL JOINTS SHOWN IN CONCEPT ONLY. VERTICAL PANEL JOINTS AND PROPOSED WALL LENGTH ARE BASED UPON 7'-6" WIDE UNITS SPACED WITH A ½" GAP BETWEEN EACH UNIT. DIMENSIONS AND LAYOUT TO BE PROVIDED BY THE PRECAST CONCRETE MODULAR RETAINING WALL MANUFACTURER.
2. SHORING REQUIRED WHERE EXCAVATION AND BACKFILL LIMITS ENCROACH BEYOND TOE OF SLOPE FOR EXISTING EMBANKMENT OF EIXSTING TRACKS.
3. R.A.P. - RAMMED AGGREGATE PIERS
4. S.C. - STONE COLUMNS

▼ APPROXIMATE DESIGN VERIFICATION LOAD TEST LOCATION

STATE PROJECT NUMBER
1060-33-75

WALL ELEVATIONS

STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GROUND EL.
1+92.64	742.88	740.98	740.44
2+00.00	743.09	740.97	740.44
2+25.00	743.81	740.96	740.39
2+50.00	744.54	741.10	740.83
2+75.00	745.26	741.32	741.09
3+00.00	745.98	741.51	741.17
3+25.00	746.70	742.15	741.24
3+50.00	747.42	743.46	743.80
3+75.00	748.15	744.00	744.40
4+00.00	748.87	744.16	744.68
4+25.00	749.59	744.15	744.64
4+50.00	750.31	744.07	744.56
4+75.00	751.03	744.24	744.74
5+00.00	751.76	744.43	744.91
5+25.00	752.48	744.42	744.67
5+50.00	753.20	744.90	744.45
5+75.00	754.00	745.61	744.96
6+00.00	754.82	745.73	745.12
6+25.00	755.63	745.73	745.36
6+50.00	756.44	745.69	745.61
6+75.00	757.25	746.00	745.86
7+00.00	758.06	746.31	746.11
7+25.00	758.84	746.62	746.40
7+50.00	759.59	746.91	746.71
7+75.00	760.30	747.18	747.00
8+00.00	760.94	747.45	747.29
8+25.00	761.53	747.61	747.44
8+50.00	762.05	747.80	747.56
8+75.00	762.52	747.59	747.65
9+00.00	762.92	747.68	747.75
9+25.00	763.26	748.13	747.76
9+50.00	763.54	748.43	748.09
9+75.00	763.76	748.74	748.56
10+00.00	763.92	749.19	749.03
10+25.00	764.04	749.64	749.54
10+50.00	764.12	750.18	750.23
10+75.00	764.15	750.88	750.89
11+00.00	764.17	751.44	751.41
11+25.00	764.30	751.63	751.51
11+50.00	764.54	751.61	751.60
11+73.06	764.75	751.00	749.16

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-482

DRAWN BY EAJ/ENH | PLANS CK'D. JWC/BDL

GENERAL PLAN & ELEVATION 3

SHEET 3 OF 10

6500

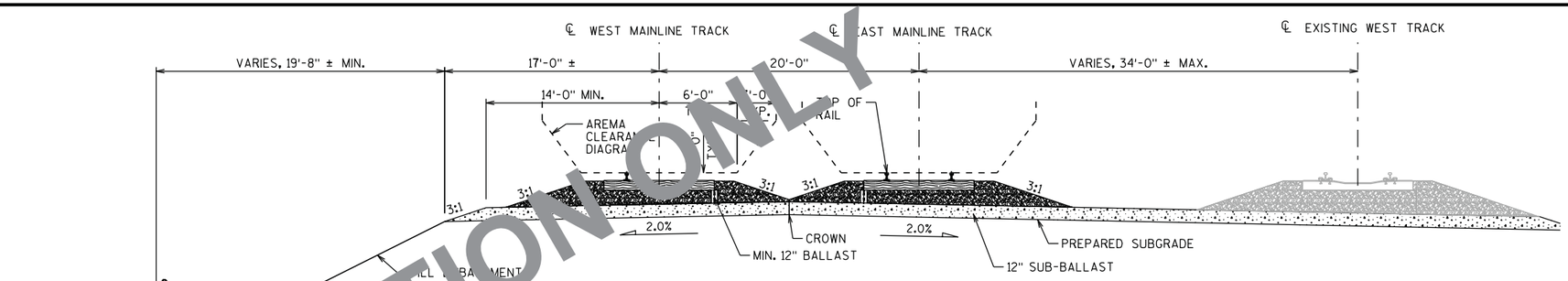
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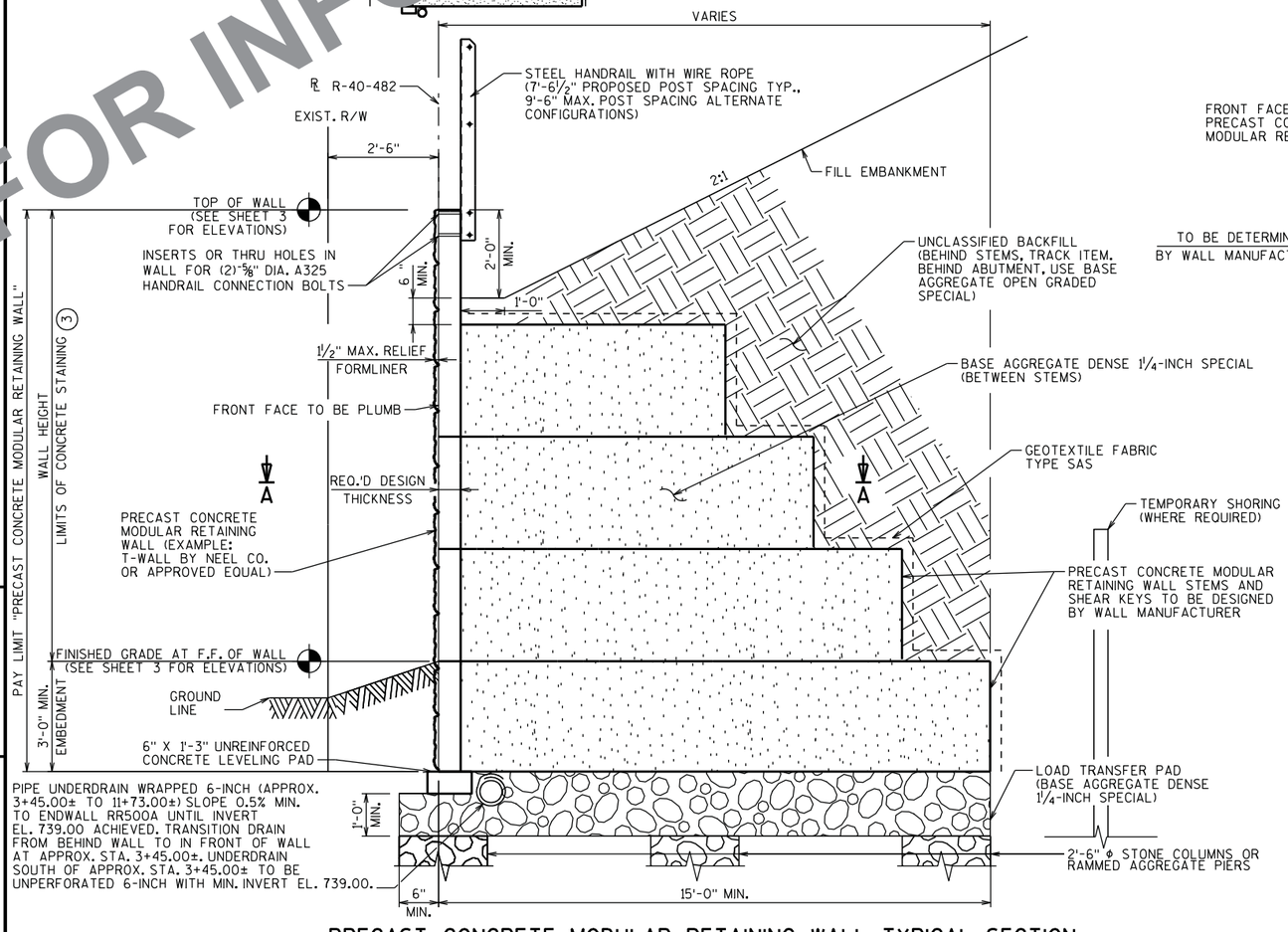
STATE PROJECT NUMBER
1060-33-75

FOR INFORMATION ONLY



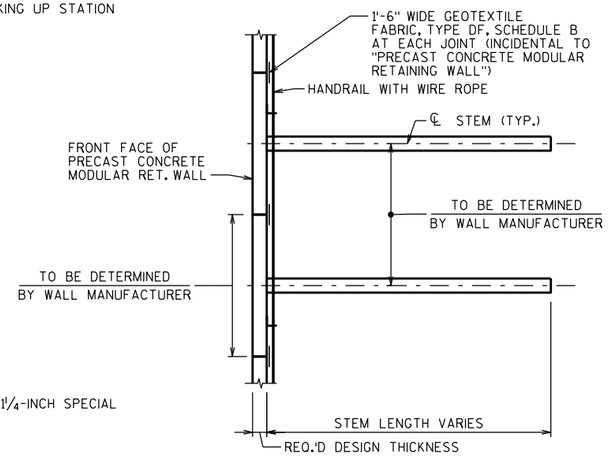
TYPICAL SECTION - RETAINING WALL AND PROPOSED EAST AND WEST MAINLINE RAILROAD TRACKS

LOOKING UP STATION



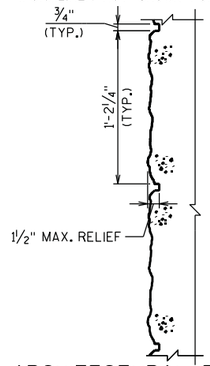
PRECAST CONCRETE MODULAR RETAINING WALL TYPICAL SECTION

LOOKING UP STATION



SECTION A-A

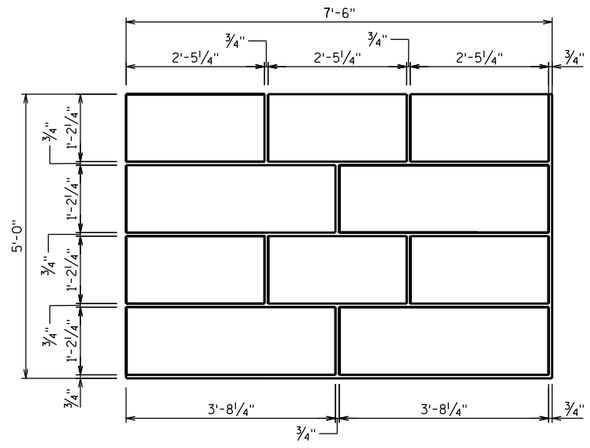
SHOWING MODULAR CONCRETE STEM AND PANEL FACE (FORMLINER NOT SHOWN FOR CLARITY)



ARCHITECTURAL FORMLINER DETAIL - SECTION (1)

NOTES:

1. THE COST OF THE ARCHITECTURAL FORMLINER SURFACE TREATMENT IS INCLUDED WITH THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-482".
2. SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-482".
3. APPLY CONCRETE STAINING TO F.F. OF WALL FROM TOP OF WALL TO FINISHED GRADE. COLOR OF STAIN TO BE FEDERAL COLOR - 33564. CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



ARCHITECTURAL FORMLINER DETAIL

REPEATING PATTERN
(EXAMPLE: #893A CUSTOM QUARRY STONE (1½" MAX. RELIEF) BY ARCHITECTURAL POLYMERS, INC. OR APPROVED EQUAL)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-482

DRAWN BY EAJ/HER | PLANS CK'D. JWC/BDL

TYPICAL SECTION & AESTHETIC DETAILS

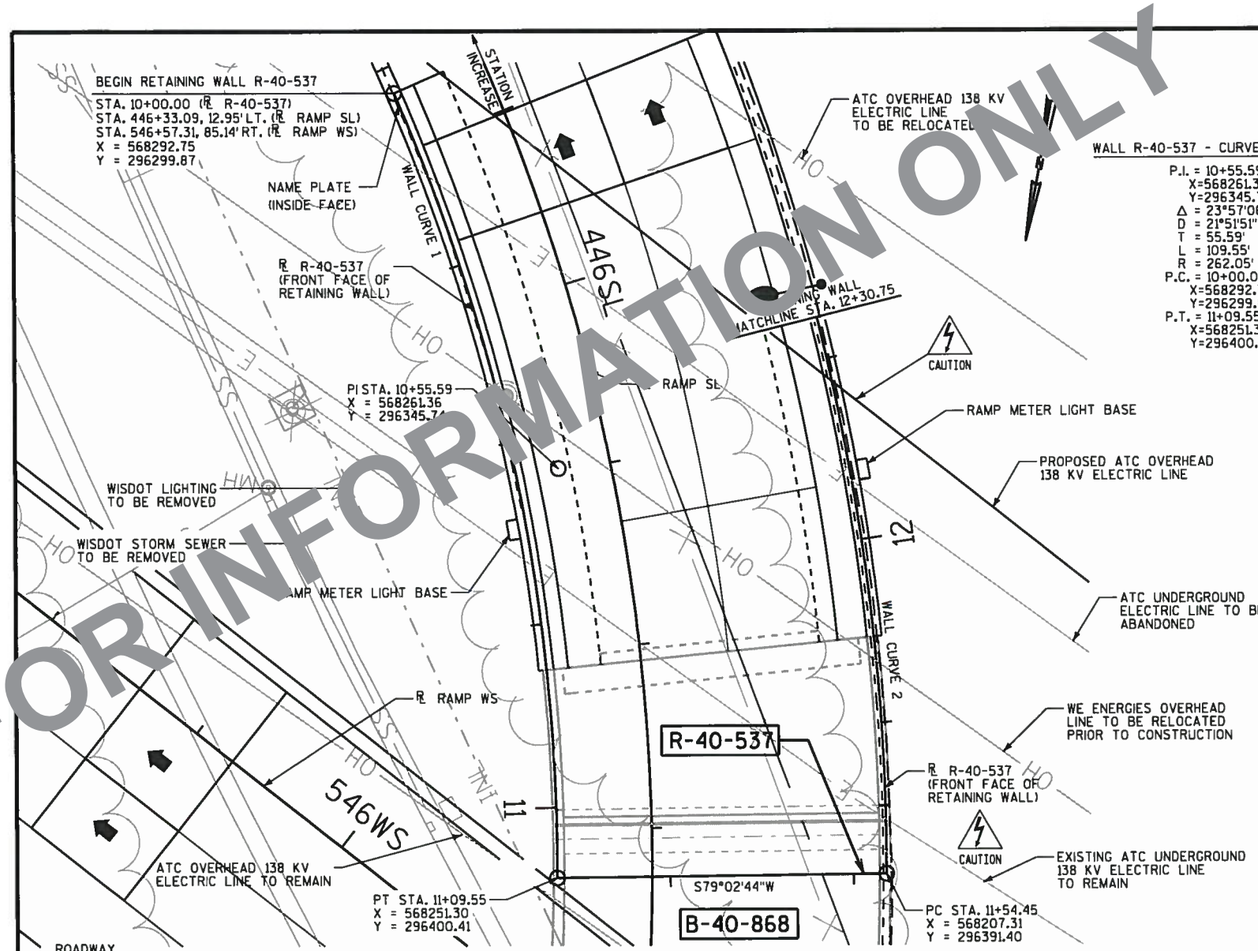
SHEET 6 OF 10

8

8

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



HORIZONTAL CURVE DATA

WALL R-40-537 - CURVE 1 (SEGMENT A)
P.I. = 10+55.59
X=568261.36
Y=296345.74
Δ = 23°57'06" RIGHT
D = 21°51'51"
T = 55.59'
L = 109.55'
R = 262.05'
P.C. = 10+00.00
X=568292.75
Y=296299.87
P.T. = 11+09.55
X=568251.30
Y=296400.41

℄ SL
P.I. = 450SL+37.04
X=567559.45
Y=296411.26
Δ = 146°21'26" LEFT
D = 20°50'05"
T = 909.61'
L = 702.46'
R = 275.00'
P.C. = 441SL+27.43
X=568419.36
Y=296707.83
P.T. = 448SL+29.89
X=568439.63
Y=296181.75

WALL R-40-537 - CURVE 2 (SEGMENT C)
P.I. = 13+31.17
X=568239.82
Y=296217.69
Δ = 59°51'40" LEFT
D = 18°39'59"
T = 176.72'
L = 320.69'
R = 306.95'
P.C. = 11+54.45
X=568207.31
Y=296391.40
P.T. = 14+75.14
X=568406.36
Y=296158.59

DESIGN DATA

LIVE LOAD
LIVE LOAD SURCHARGE (ROADWAY) _____ 240 P.S.F.

MATERIAL PROPERTIES
CONCRETE MASONRY RETAINING WALL ___ f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI
BAR STEEL REINFORCEMENT _____ fy = 60,000 PSI

DESIGN THE MSE WALLS PARALLEL TO ℄ RAMP SL FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- [C] CONTRACTION JOINT IN COPING
- TRAFFIC DIRECTION
- (LP) LIGHT POLE BASE, STATIONS GIVEN AT ℄ OF LIGHT POLE
- (RML) RAMP METER LIGHT BASE, STATIONS GIVEN AT ℄ OF RAMP METER LIGHT

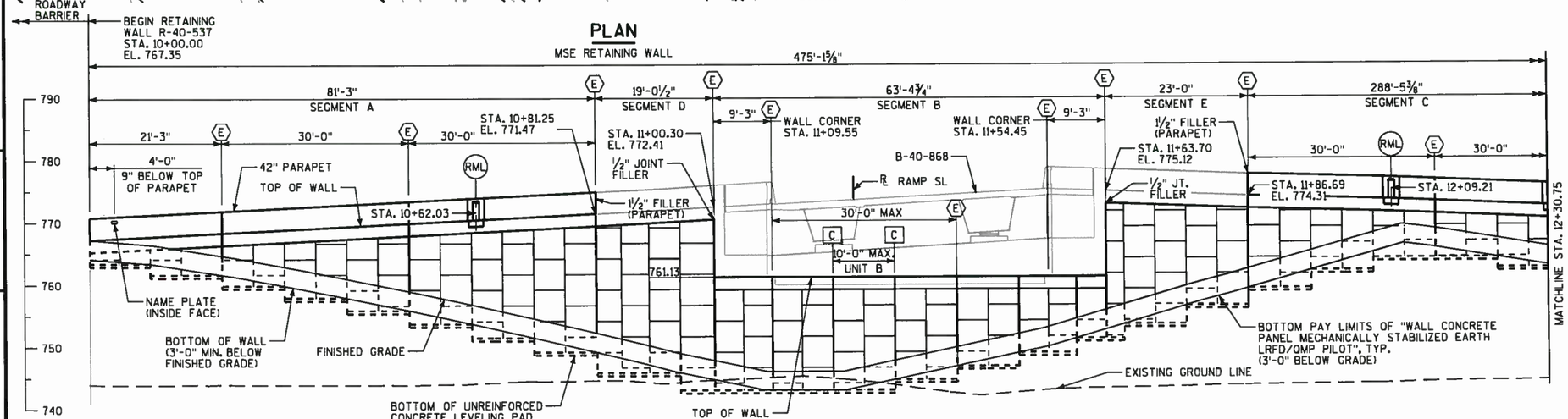
LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 2)
2. GENERAL PLAN & ELEVATION (2 OF 2)
3. TYPICAL SECTIONS (1 OF 3)
4. TYPICAL SECTIONS (2 OF 3)
5. TYPICAL SECTIONS (3 OF 3)
6. QUANTITIES, TABLES & PROFILE GRADE LINES
7. GENERAL NOTES & ELEVATIONS
8. SEGMENT A PLAN & ELEVATION
9. SEGMENT B PLAN & ELEVATION
10. SEGMENT C PLAN & ELEVATION
11. PARAPET & ANCHOR SLAB DETAILS
12. SEGMENT A CONDUIT AND LIGHT SUPPORT DETAILS
13. SEGMENT C CONDUIT DETAILS
14. BILL OF BARS
15. AESTHETIC WALL TREATMENT DETAILS
16. SUBSURFACE EXPLORATION

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
7/9/2013

PLAN

MSE RETAINING WALL



ELEVATION

(LOOKING AT FRONT FACE OF WALL)
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 351-6668

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher — CHIEF STRUCTURES DESIGN ENGINEER — DATE 7/10/13

STRUCTURE R-40-537

MSE RETAINING WALL AT SOUTH ABUTMENT B-40-868

COUNTY	CITY
MILWAUKEE	WEST ALLIS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AJA	MHZ	AJA	MHZ

GENERAL PLAN & ELEVATION (1 OF 2)

SHEET 1 OF 16

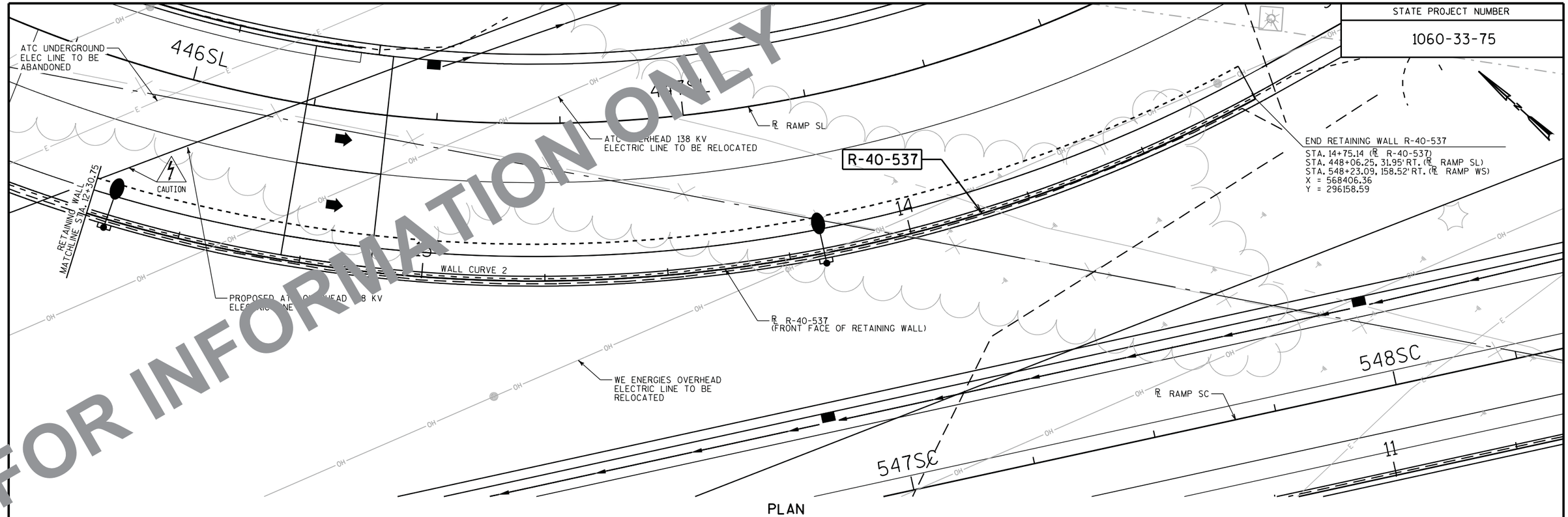
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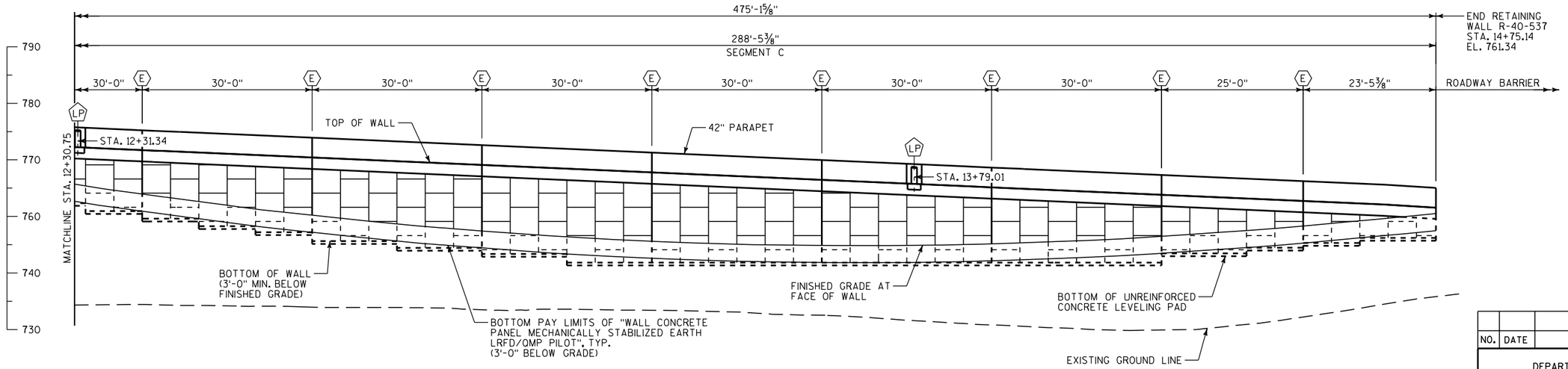
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



PLAN

MSE RETAINING WALL



ELEVATION

(LOOKING AT FRONT FACE OF WALL)
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- (LP) LIGHT POLE BASE & JUNCTION BOXES
- TRAFFIC DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-537

DRAWN BY	AJA	PLANS CK'D.	MHZ

GENERAL PLAN & ELEVATION (2 OF 2)

SHEET 2 OF 16

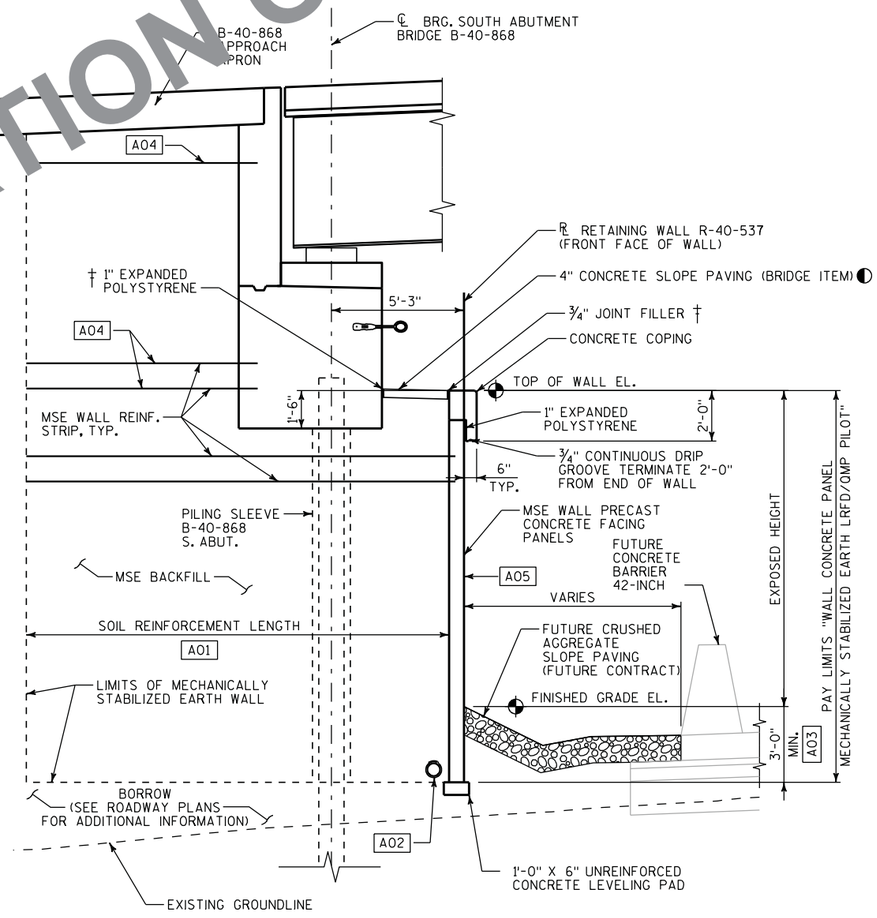
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STATE PROJECT NUMBER
1060-33-75



TYPICAL WALL SECTION - SEGMENT B

LOOKING WEST
STA. 11+00.30 TO STA. 11+63.70

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 6 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO DRAIN.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT" TO INCLUDE EXPOSED HEIGHT PLUS 3'-0".

A04 MSE WALL REINFORCEMENT STRIPS TO BE DESIGNED BY THE WALL MANUFACTURER. DESIGN FOR A 3.0 KIP PER FOOT LATERAL LOAD FROM THE BRIDGE SUPERSTRUCTURE IN ADDITION TO THE LIVE LOAD SURCHARGE AND EARTH PRESSURE ON THE BACK FACE OF ABUTMENT. THE REINFORCEMENT STRIPS, BACKFILL AND THE CONNECTION TO ABUTMENT ARE TO BE PAID FOR UNDER "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT".

A05 SEE SHEET 14 FOR AESTHETIC WALL TREATMENT DETAILS.

LEGEND

† SEAL ALL EXPOSED HORIZ & VERT SURFACES OF FILLER WITH NON-STAINING, NON-BITUMINOUS JOINT SEALER, (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.

◐ SLOPE CONCRETE SLOPE PAVING DOWN ¾" FROM FRONT FACE OF ABUTMENT TO BACK OF CONCRETE COPING. SLOPE PAVING IS INCLUDED IN BRIDGE B-40-0868 CONSTRUCTION.

MSE TYPICAL SECTION NOTES

ROADWAY IN FRONT OF WALL TO BE RECONSTRUCTED UNDER A FUTURE CONTRACT.

INSTALL BRIDGE PILING BEFORE CONSTRUCTING MSE WALL. INSTALLATION OF BRIDGE PILING IS NOT A RETAINING WALL ITEM.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-537

DRAWN BY AJA | PLANS CK'D. MHZ

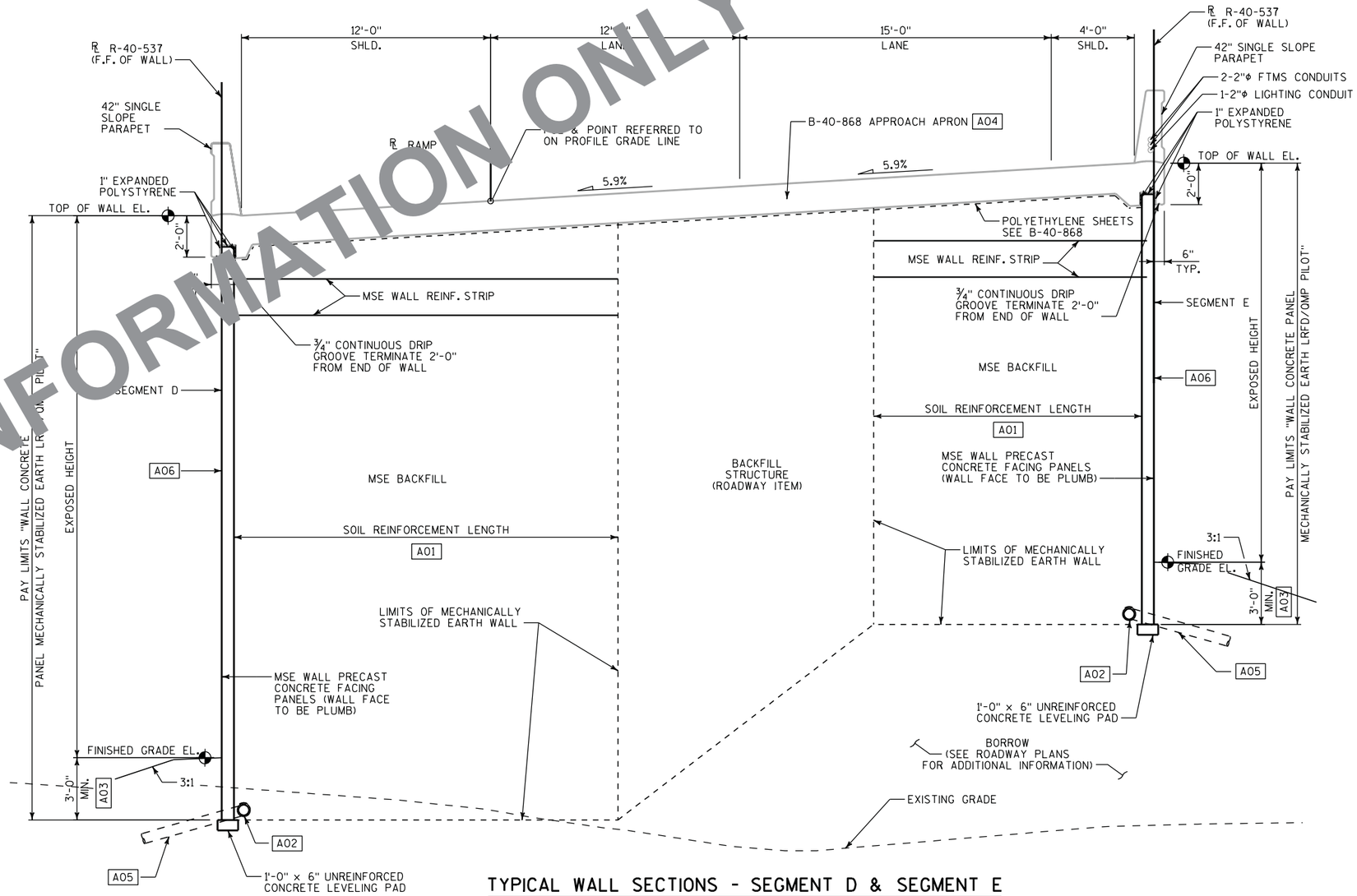
TYPICAL SECTIONS
(1 OF 3)

SHEET 3 OF 16

6504

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



TYPICAL WALL SECTIONS - SEGMENT D & SEGMENT E

LOOKING SOUTH
SEGMENT D - STA. 10+81.25 TO STA. 11+00.30
SEGMENT E - STA. 11+63.70 TO STA. 11+86.69

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 6 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACUTAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO DRAIN.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT" TO INCLUDE EXPOSED HEIGHT PLUS 3'-0".

A04 FOR QUANTITIES AND REINFORCEMENT FOR APROACH APRON, SEE B-40-868 STRUCUTRE PLANS (BRIDGE ITEM).

A05 PIPE UNDERDRAIN UNPERFORATED 6-INCH SHALL BE PLACED EVERY 100 FT AND SLOPED DOWN TO SUITABLE DRAINAGE AREA. PIPE UNDERDRAIN SHALL BE PLACED JUST BEYOND ENDS OF WALL AND AS DIRECTED BY FIELD ENGINEER.

A06 SEE SHEET 14 FOR AESTHETIC WALL TREATMENT DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-537

DRAWN BY	AJA	PLANS CK'D.	MHZ

TYPICAL SECTIONS (2 OF 3)

SHEET 4 OF 15

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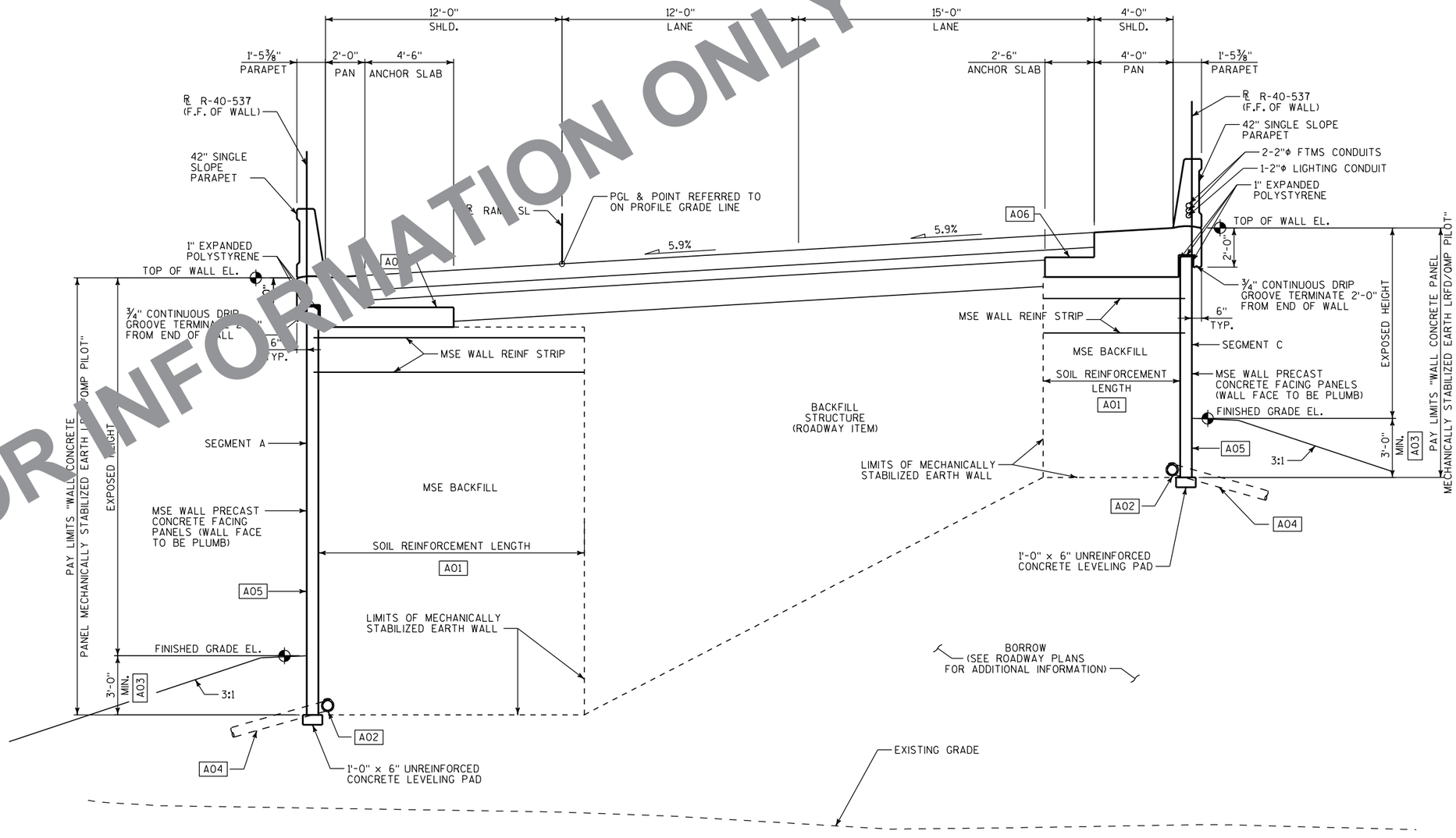
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PLOT SCALE : 6:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
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NOTES

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A05 SEE SHEET 14 FOR AESTHETIC WALL TREATMENT DETAILS.

A06 18" RUBBERIZED MEMBRANE WATERPROOFING AT EACH JOINT.

TYPICAL WALL SECTIONS - SEGMENT A & SEGMENT C

LOOKING SOUTH
SEGMENT A - STA. 10+00.00 TO STA. 10+81.25
SEGMENT C - STA. 11+86.69 TO STA. 14+75.14

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-537

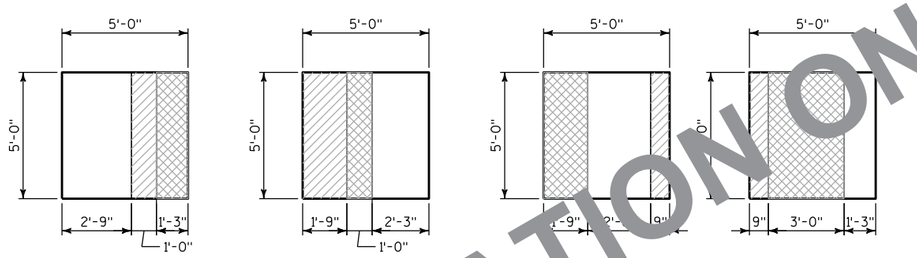
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TYPICAL SECTIONS (3 OF 3)

SHEET 5 OF 16

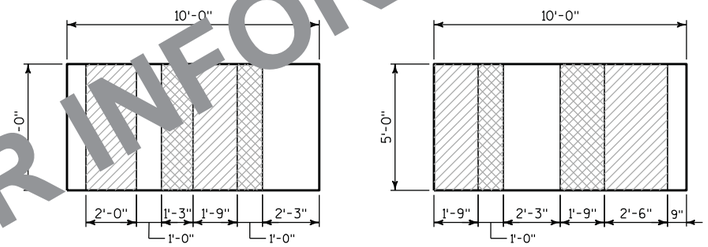
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



WALL PANEL "A" WALL PANEL "B" WALL PANEL "C" WALL PANEL "D"

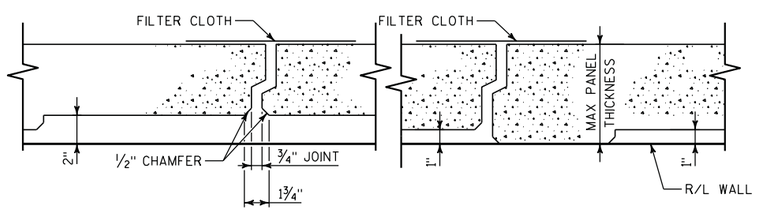
5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



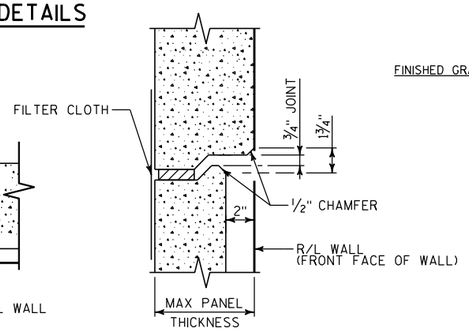
WALL PANEL "A" WALL PANEL "B"

WALL PANEL "C" WALL PANEL "D"

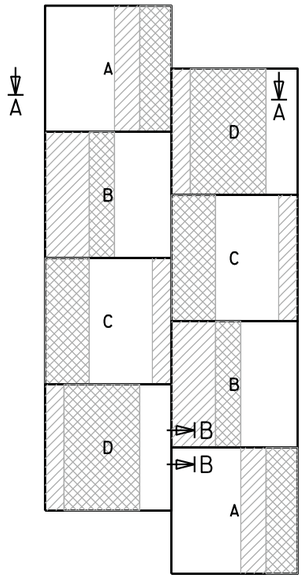
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



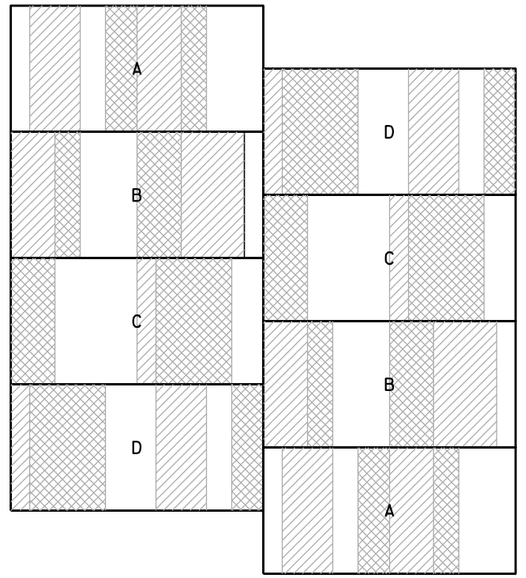
SECTION A-A



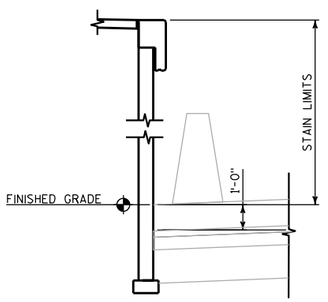
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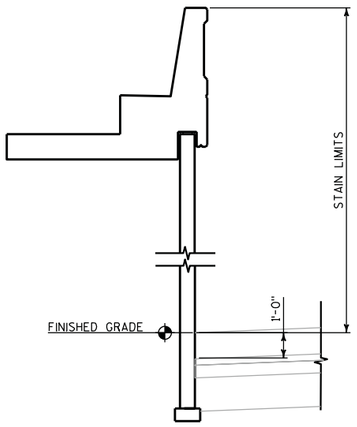


TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN





MSE WALL STAINING DIAGRAMS

NOTE

C01 LIMITS OF ARCHITECTURAL SURFACE TREATMENT

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-537

DRAWN BY AJA | PLANS CK'D. MHZ

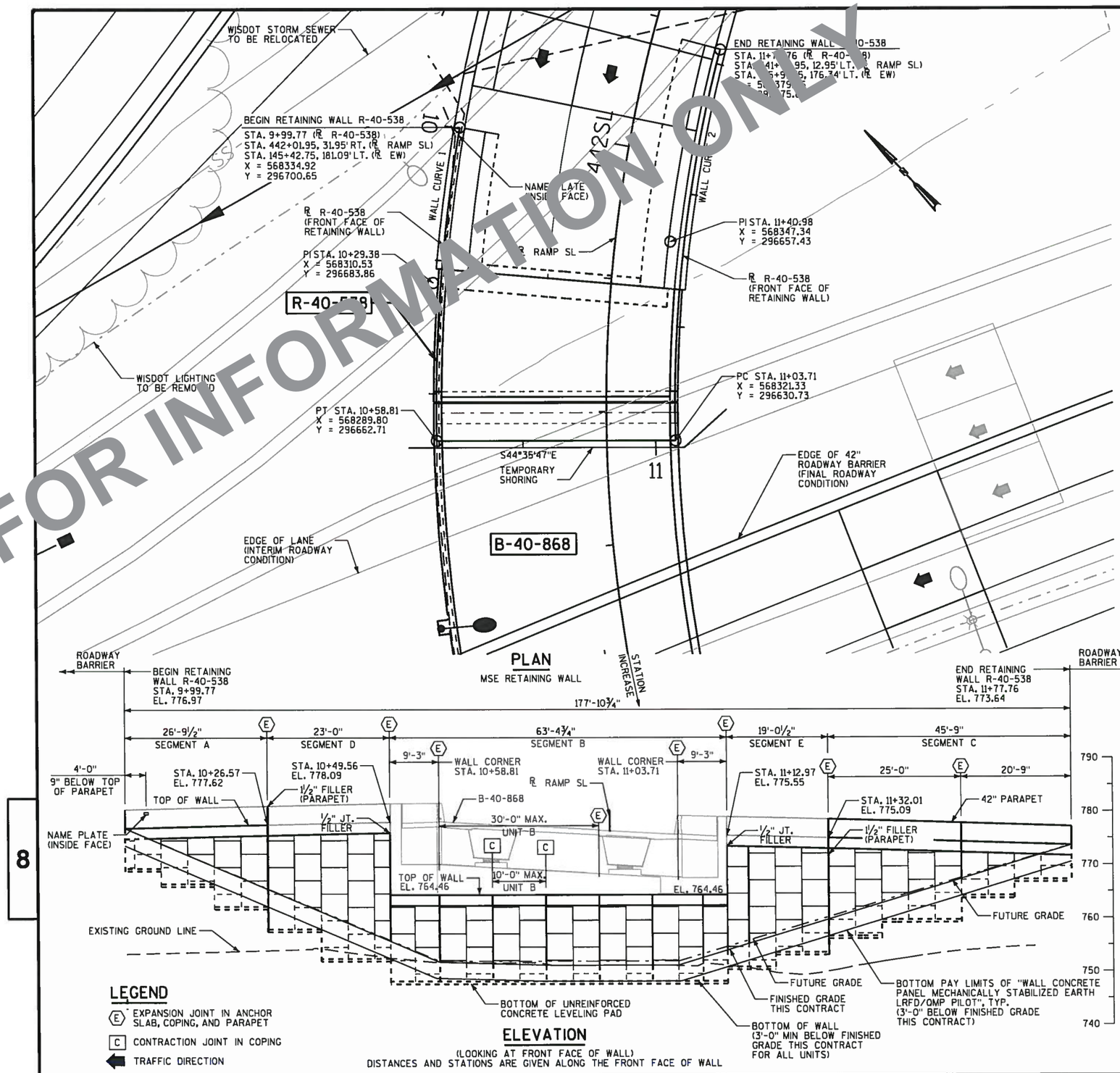
AESTHETIC WALL TREATMENT DETAILS

SHEET 15 OF 16

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FOR INFORMATION ONLY

STATE PROJECT NUMBER

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DESIGN DATA

LIVE LOAD
LIVE LOAD SURCHARGE (ROADWAY) _____ 240 P.S.F.

MATERIAL PROPERTIES
CONCRETE MASONRY RETAINING WALL ___ f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI
BAR STEEL REINFORCEMENT _____ fy = 60,000 PSI

DESIGN THE MSE WALLS PARALLEL TO ℄ RAMP SL FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS (1 OF 3)
3. TYPICAL SECTIONS (2 OF 3)
4. TYPICAL SECTIONS (3 OF 3)
5. QUANTITIES, TABLES, & PROFILE GRADE LINES
6. GENERAL NOTES & ELEVATIONS
7. SEGMENT A PLAN & ELEVATION
8. SEGMENT B PLAN & ELEVATION
9. SEGMENT C PLAN & ELEVATION
10. PARAPET & ANCHOR SLAB DETAILS
11. BILL OF BARS & CONDUIT DETAILS
12. AESTHETIC WALL TREATMENT DETAILS
13. SUBSURFACE EXPLORATION

HORIZONTAL CURVE DATA

WALL R-40-538 - CURVE 1 (SEGMENT A)
P.I. = 10+29.38
X=568310.53
Y=296683.86
Δ = 11°01'15" LEFT
D = 18°39'59"
T = 29.61'
L = 59.04'
R = 306.95'
P.C. = 9+99.77
X=568334.92
Y=296700.65
P.T. = 10+58.81
X=568289.80
Y=296662.71

℄ IH 94 (EW)
P.I. = 133EW+71.51
X=567103.99
Y=297144.82
Δ = 41°01'00" RIGHT
D = 1°19'57"
T = 1508.42'
L = 3078.28'
R = 4300.00'
P.C. = 117EW+63.09
X=565541.32
Y=296763.93
P.T. = 148EW+41.36
X=568533.02
Y=296406.65

WALL R-40-538 - CURVE 2 (SEGMENT C)
P.I. = 11+40.99
X=568347.34
Y=296657.43
Δ = 16°11'19" RIGHT
D = 21°51'52"
T = 37.27'
L = 74.04'
R = 262.05'
P.C. = 11+03.71
X=568321.33
Y=296630.73
P.T. = 11+77.75
X=568379.76
Y=296675.81

℄ SL
P.I. = 450SL+37.04
X=567559.45
Y=296411.26
Δ = 146°21'26" LEFT
D = 20°50'05"
T = 909.61'
L = 702.46'
R = 275.00'
P.C. = 441SL+27.43
X=568419.36
Y=296707.83
P.T. = 448SL+29.89
X=568439.63
Y=296181.75

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 351-6668

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher 7/10/13
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
7/9/2013

STRUCTURE R-40-538

MSE RETAINING WALL AT NORTH ABUTMENT B-40-868

COUNTY	CITY
MILWAUKEE	WEST ALLIS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AJA	MHZ	AJA	MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 13

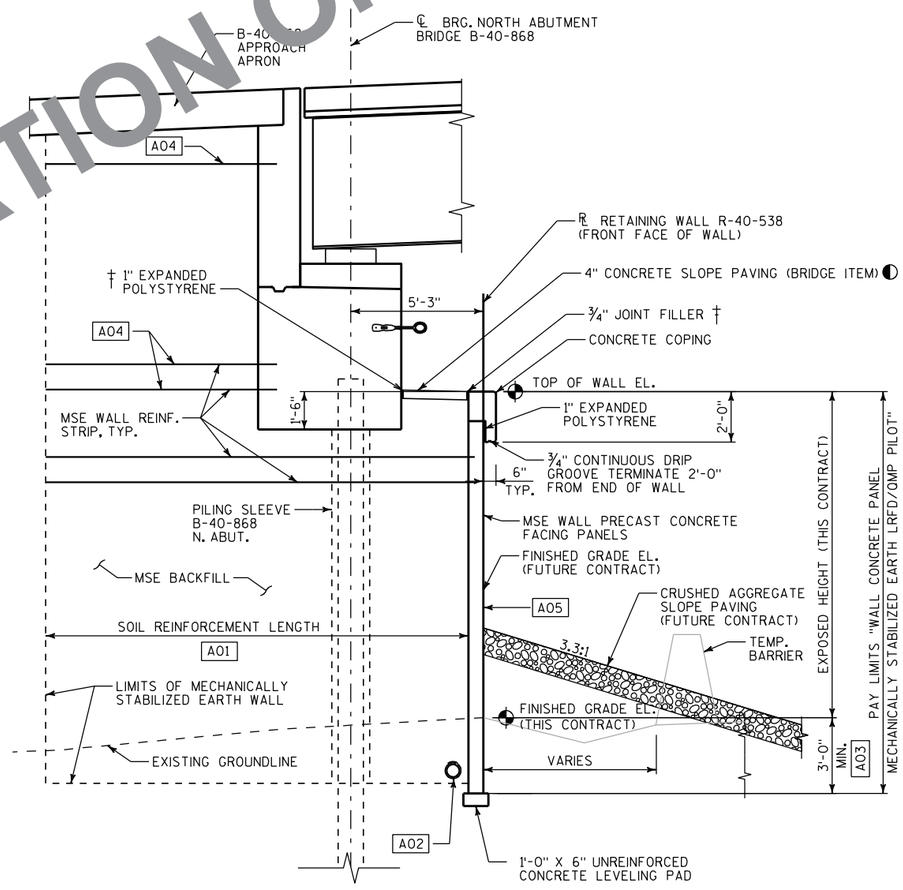
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PLOT BY : MSCM1M
PLOT NAME : R538_080101_gp
PLOT SCALE : 20:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



TYPICAL WALL SECTION - SEGMENT B

LOOKING EAST
STA. 10+49.56 TO STA. 11+12.97

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS NOTE ON SHEET 5 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO DRAIN.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP PILOT" TO INCLUDE EXPOSED HEIGHT PLUS 3'-0".

A04 MSE WALL REINFORCEMENT STRIPS TO BE DESIGNED BY THE WALL MANUFACTURER. DESIGN FOR A 3.0 KIP PER FOOT LATERAL LOAD FROM THE BRIDGE SUPERSTRUCTURE IN ADDITION TO THE LIVE LOAD SURCHARGE AND EARTH PRESSURE ON THE BACK FACE OF ABUTMENT. THE REINFORCEMENT STRIPS, BACKFILL AND THE CONNECTION TO ABUTMENT ARE TO BE PAID FOR UNDER "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP PILOT".

A05 SEE SHEET 12 FOR AESTHETIC WALL TREATMENT DETAILS.

LEGEND

† SEAL ALL EXPOSED HORIZ & VERT SURFACES OF FILLER WITH NON-STAINING, NON-BITUMINOUS JOINT SEALER, (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.

◐ SLOPE CONCRETE SLOPE PAVING DOWN ¾" FROM FRONT FACE OF ABUTMENT TO BACK OF CONCRETE COPING. SLOPE PAVING IS INCLUDED IN BRIDGE B-40-0868 CONSTRUCTION.

MSE TYPICAL SECTION NOTES

ROADWAY IN FRONT OF WALL TO BE RECONSTRUCTED UNDER A FUTURE CONTRACT.

INSTALL BRIDGE PILING BEFORE CONSTRUCTING MSE WALL. INSTALLATION OF BRIDGE PILING IS NOT A RETAINING WALL ITEM.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-538

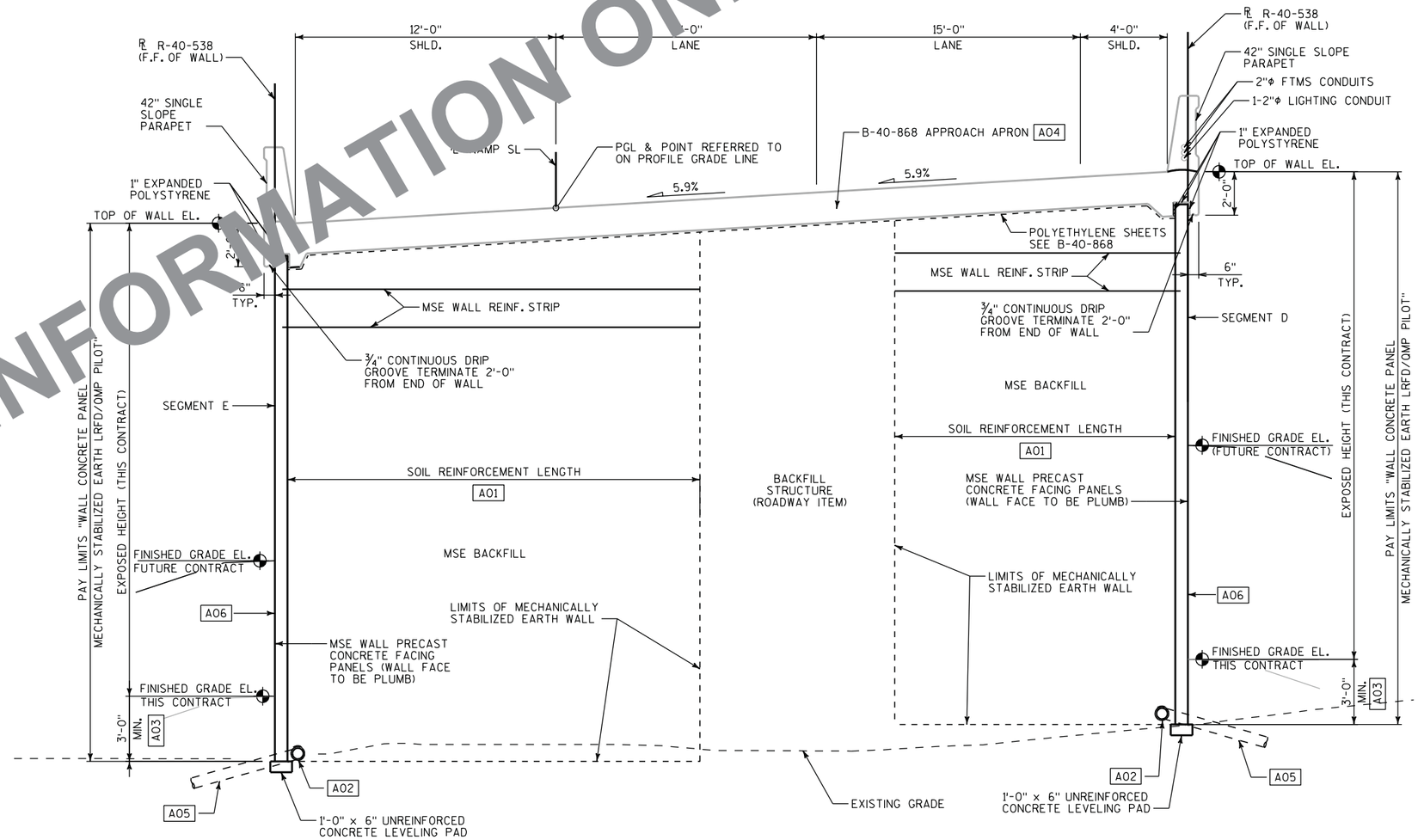
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TYPICAL SECTIONS (1 OF 3)

SHEET 2 OF 13

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75



NOTES

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A04 FOR QUANTITIES AND REINFORCEMENT FOR APROACH APRON, SEE B-40-868 STRUCUTRE PLANS (BRIDGE ITEM).

A05 PIPE UNDERDRAIN UNPERFORATED 6-INCH SHALL BE SLOPED AND DRAIN TO STRUCTURE RR294. PIPE UNDERDRAIN SHALL BE PLACED JUST BEYOND ENDS OF WALL AND AS DIRECTED BY THE FIELD ENGINEER.

A06 SEE SHEET 12 FOR AESTHETIC WALL TREATMENT DETAILS.

TYPICAL WALL SECTIONS - SEGMENT D & SEGMENT E

LOOKING SOUTH
SEGMENT D - STA. 10+26.57 TO STA. 10+49.56
SEGMENT E - STA. 11+12.97 TO STA. 11+32.01

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-538

DRAWN BY AJA | PLANS CK'D. MHZ

TYPICAL SECTIONS (2 OF 3)

SHEET 3 OF 13

6510

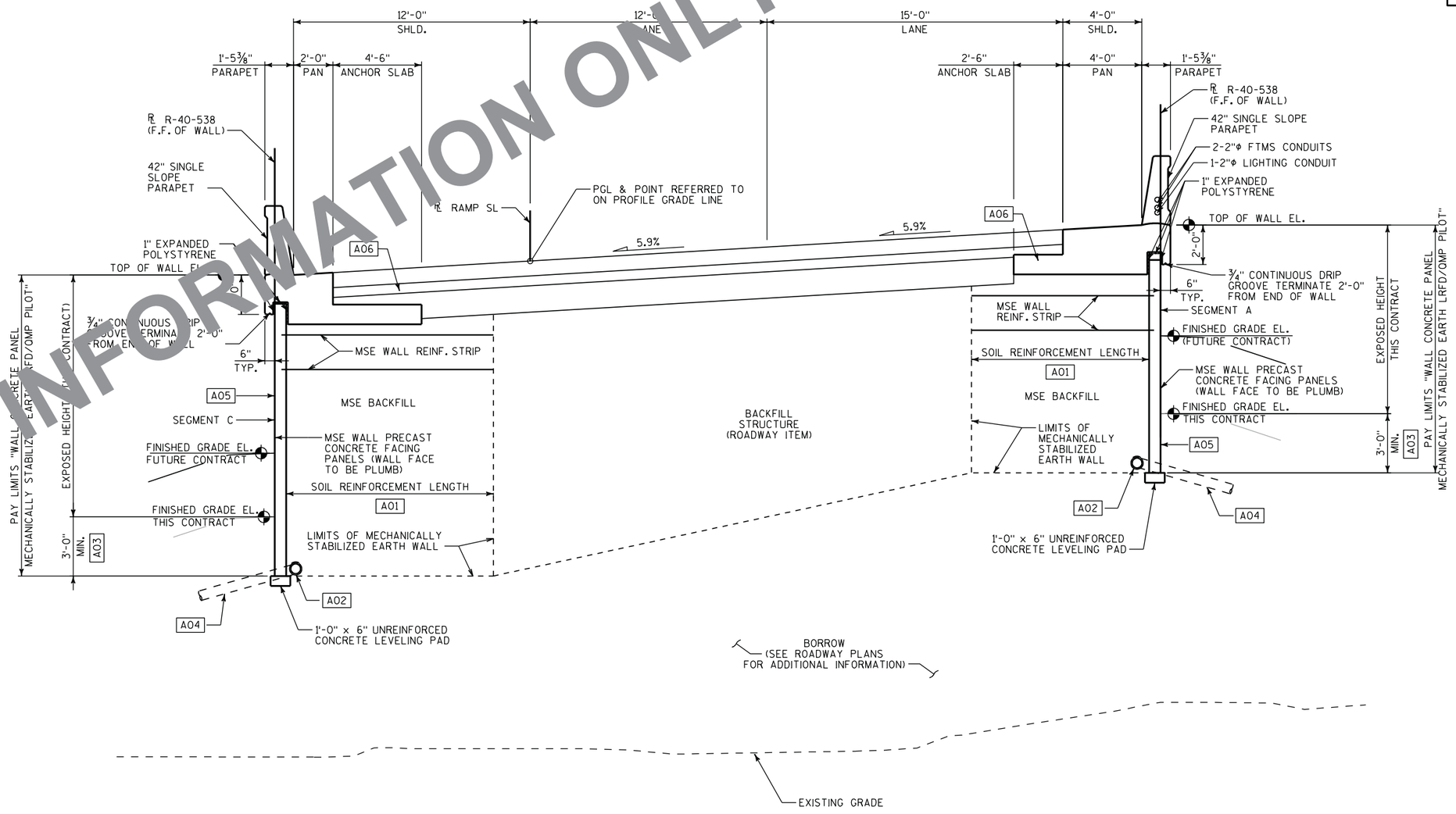
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NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 5 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO DRAIN.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT" TO INCLUDE EXPOSED HEIGHT PLUS 3'-0".

A04 PIPE UNDERDRAIN UNPERFORATED 6-INCH SHALL BE SLOPED AND DRAIN TO STRUCTURE RR294. PIPE UNDERDRAIN SHALL BE PLACED JUST BEYOND ENDS OF WALL AND AS DIRECTED BY THE FIELD ENGINEER.

A05 SEE SHEET 12 FOR AESTHETIC WALL TREATMENT DETAILS.

A06 18" RUBBERIZED MEMBRANE WATERPROOFING AT EACH JOINT.

TYPICAL WALL SECTIONS - SEGMENT A & SEGMENT C

LOOKING SOUTH
SEGMENT A - STA. 9+99.77 TO STA. 10+26.57
SEGMENT C - STA. 11+32.01 TO STA. 11+77.75

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-538

DRAWN BY AJA | PLANS CK'D. MHZ

TYPICAL SECTIONS (3 OF 3)

SHEET 4 OF 13

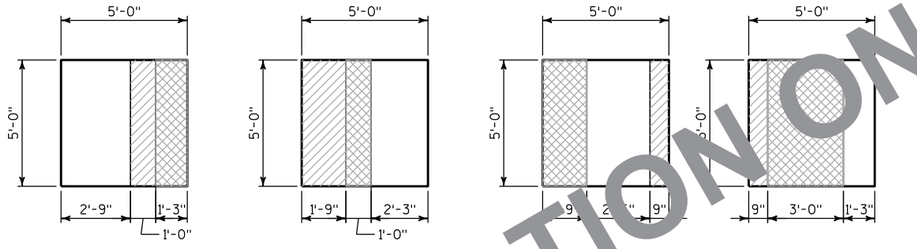
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FOR INFORMATION ONLY

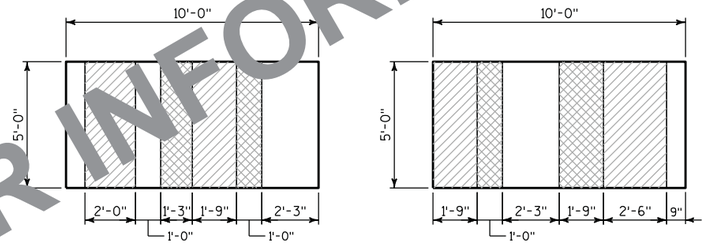
STATE PROJECT NUMBER

1060-33-75

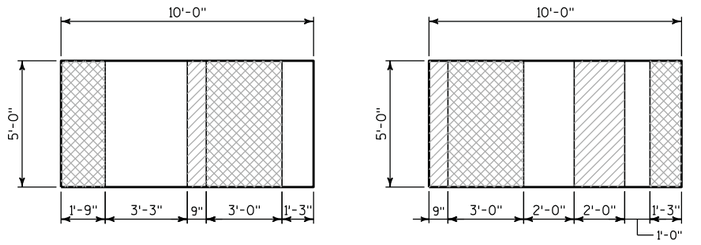


WALL PANEL "A" WALL PANEL "B" WALL PANEL "C" WALL PANEL "D"

5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

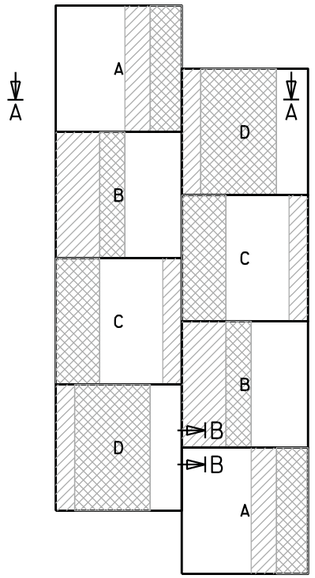


WALL PANEL "A" WALL PANEL "B"

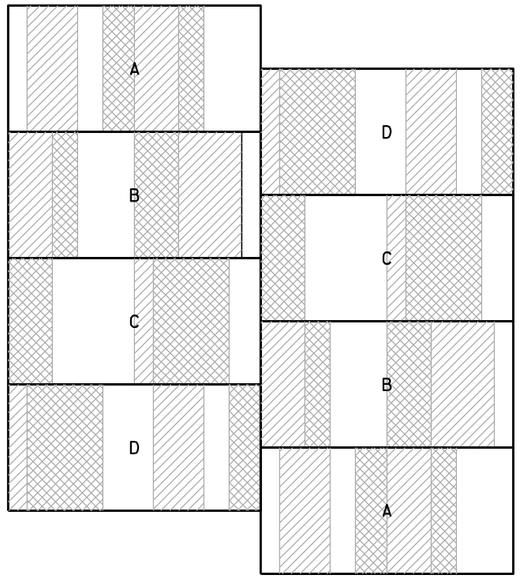


WALL PANEL "C" WALL PANEL "D"

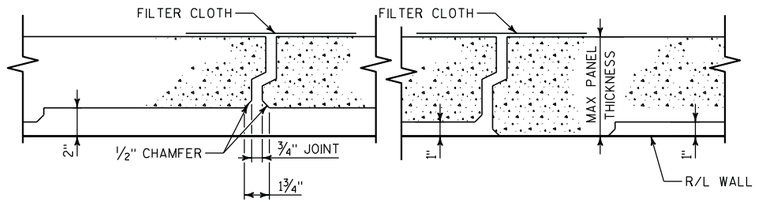
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



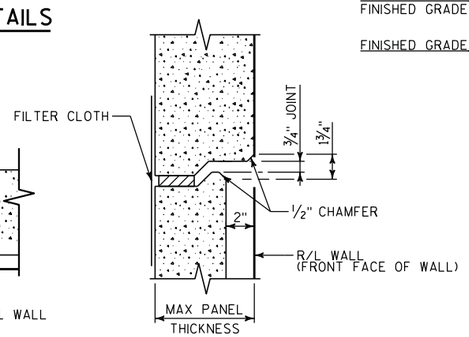
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



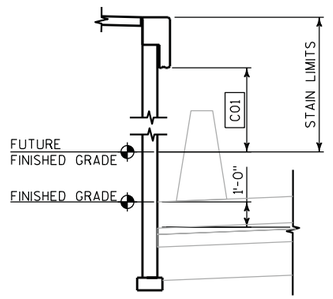
TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

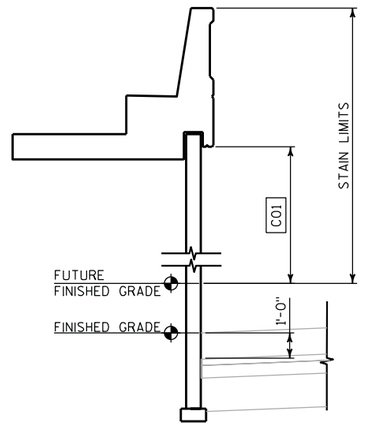


SECTION A-A



SECTION B-B





MSE WALL STAINING & ARCHITECTURAL SURFACE TREATMENT DIAGRAMS

NOTE

C01 LIMITS OF ARCHITECTURAL SURFACE TREATMENT

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-538

DRAWN BY AJA | PLANS CK'D. MHZ

AESTHETIC WALL TREATMENT DETAILS

SHEET 12 OF 13

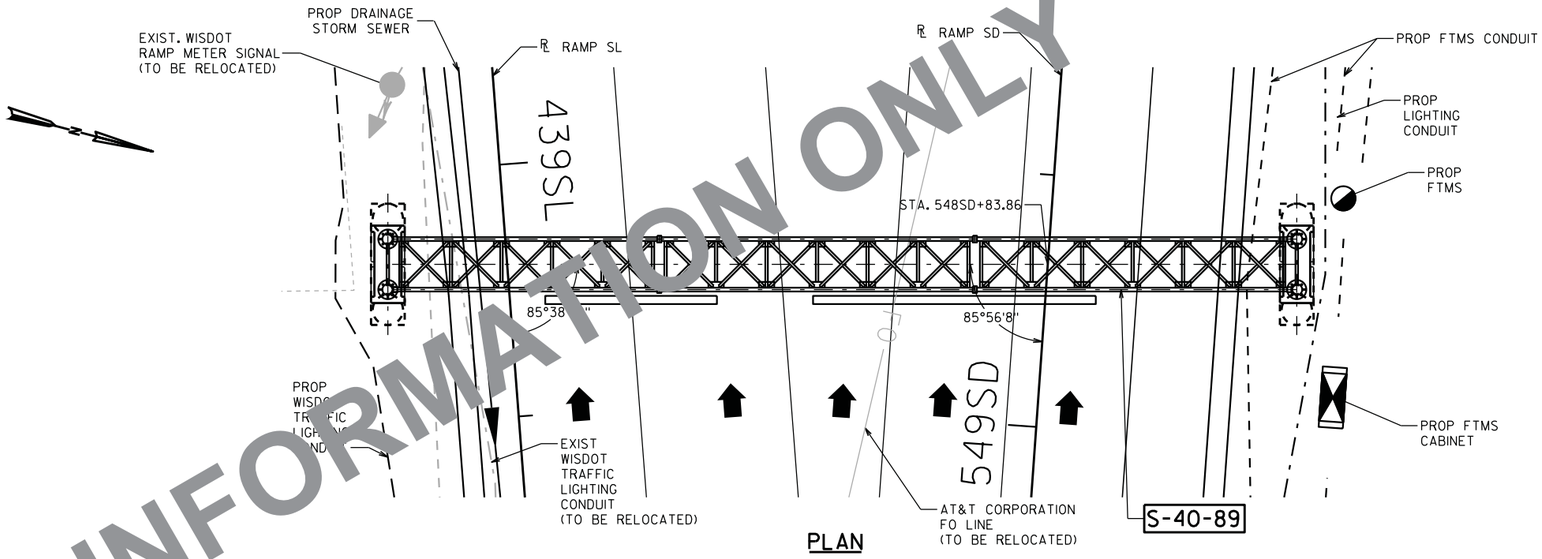
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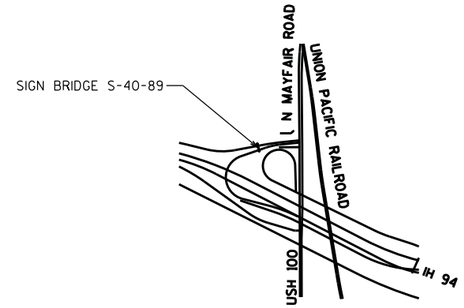
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FOR INFORMATION ONLY

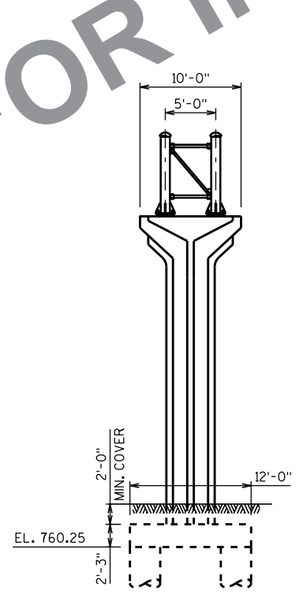
STATE PROJECT NUMBER
1060-33-75



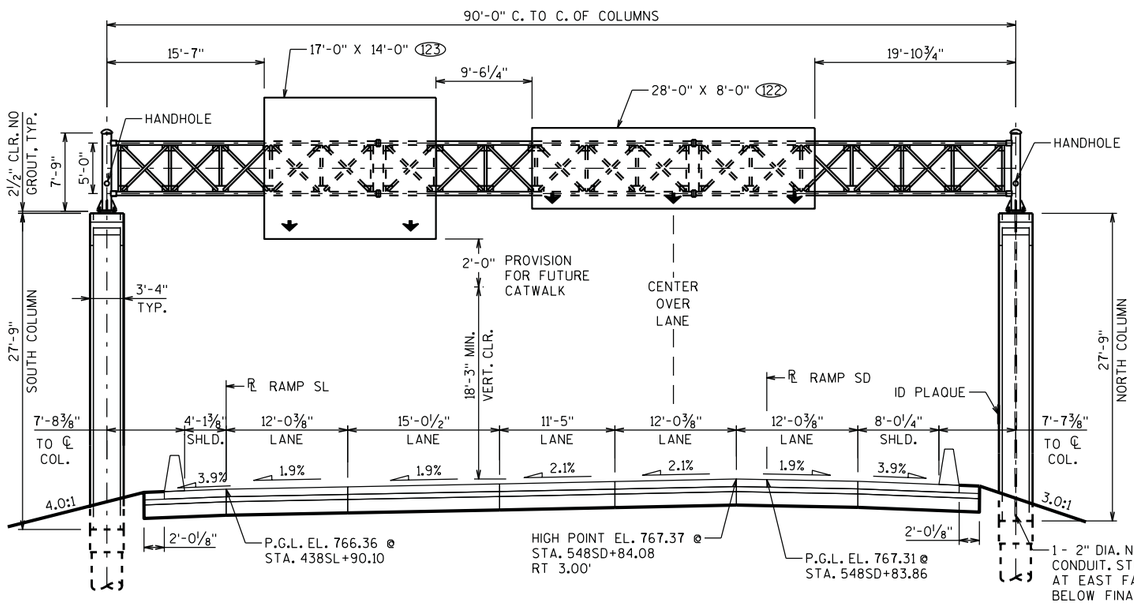
PLAN



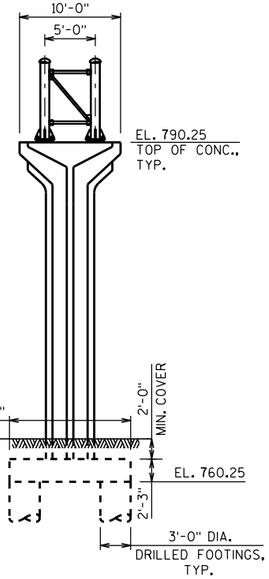
LOCATION MAP



SIDE VIEW
SOUTH COLUMN



ELEVATION
S-40-89, STA. 548SD+83.86
(LOOKING DOWN STATION AT FRONT OF SIGNS)



SIDE VIEW
NORTH COLUMN

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-89 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	61
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,430
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	8,720
641.6600	SIGN BRIDGE STRUCTURE S-40-89	LS	1

ALL ITEMS ARE CATEGORY 4000

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-89 & S-40-90

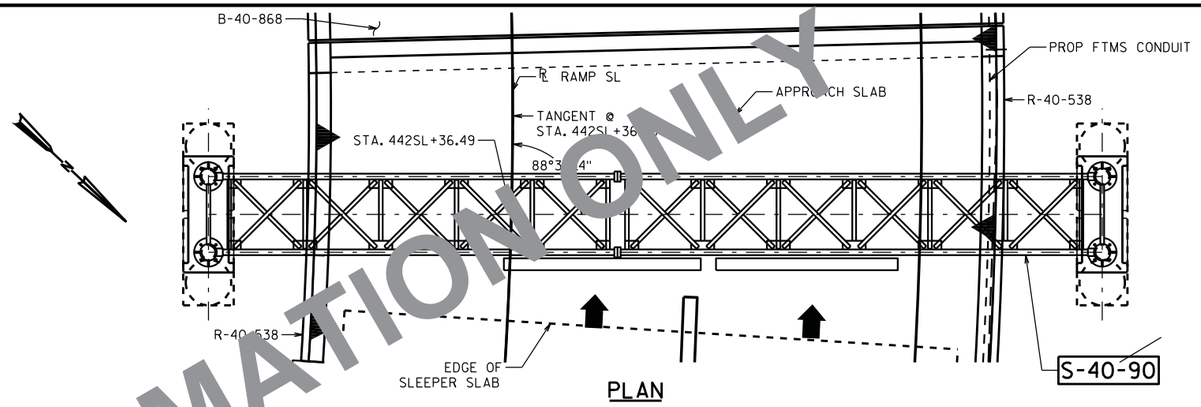
DRAWN BY AG | PLANS CK'D. STB

S-40-89
GENERAL PLAN
& ELEVATION

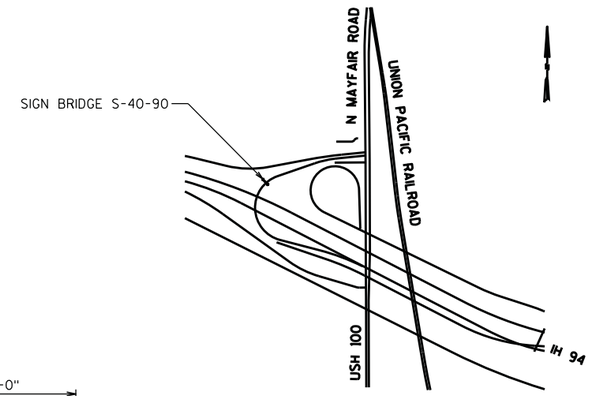
SHEET 2 OF 9

FOR INFORMATION ONLY

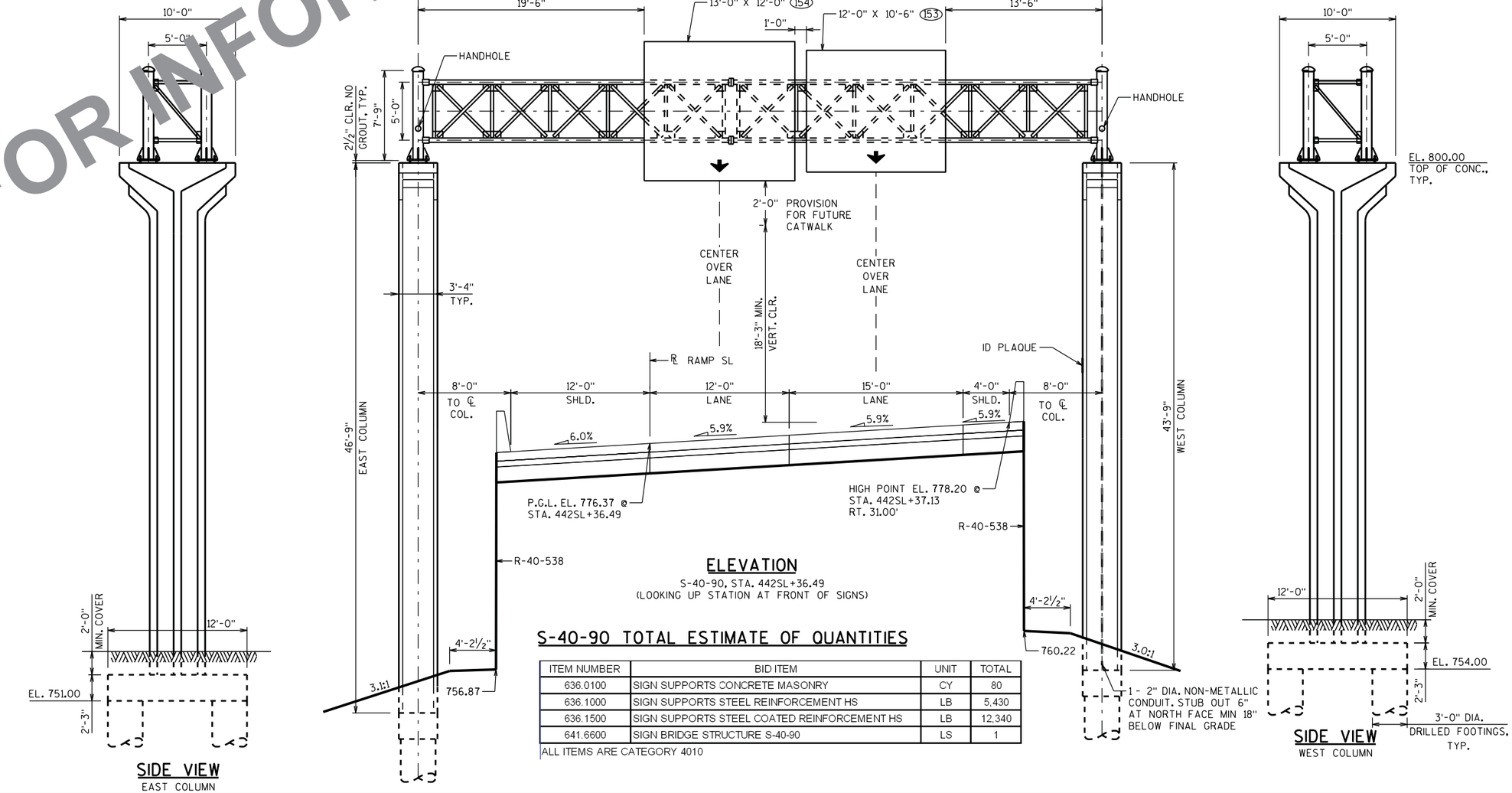
STATE PROJECT NUMBER
1060-33-75



PLAN



LOCATION MAP



ELEVATION

S-40-90, STA. 442SL+36.49
(LOOKING UP STATION AT FRONT OF SIGNS)

SIDE VIEW
EAST COLUMN

SIDE VIEW
WEST COLUMN

S-40-90 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	80
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,430
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	12,340
641.6600	SIGN BRIDGE STRUCTURE S-40-90	LS	1

ALL ITEMS ARE CATEGORY 4010

LEGEND

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-89 & S-40-90

DRAWN BY AG | PLANS CK'D. STB

S-40-90
GENERAL PLAN
& ELEVATION

SHEET 3 OF 9

8

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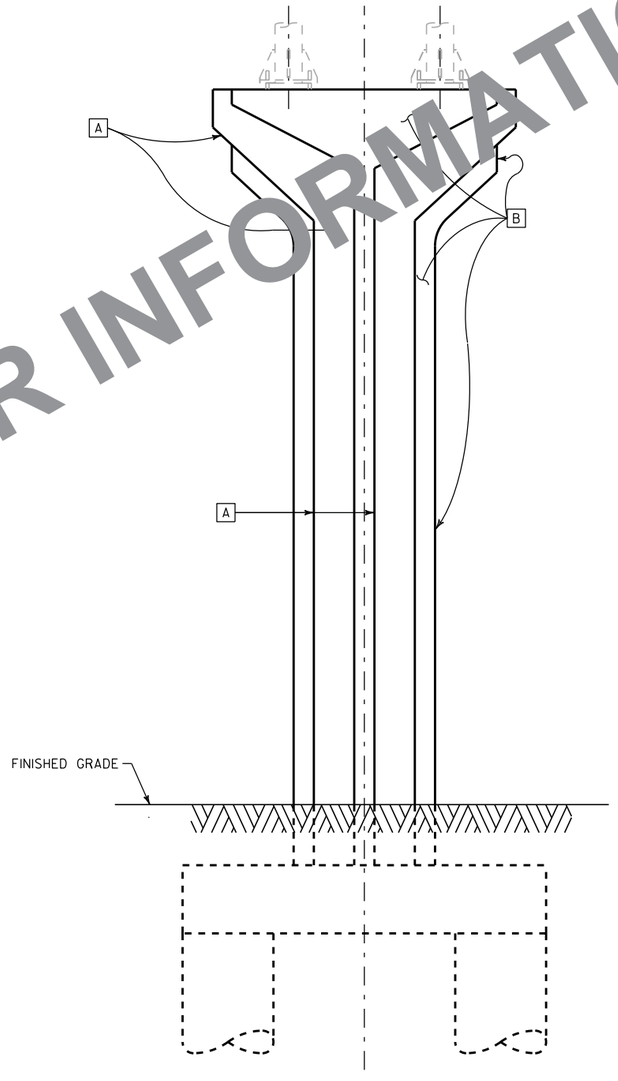
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-75

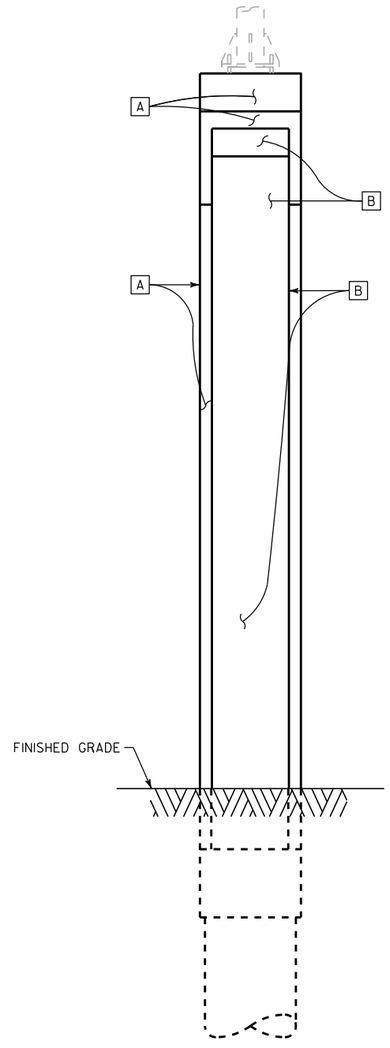
CONCRETE STAINING SCHEDULE

MARK	COLOR	NOTES
A	BASE COLOR	SIDES TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	REVEALS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:
BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448



ELEVATION VIEW



END VIEW

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NOTE

THE COST FOR REVEALS AND CONCRETE AESTHETIC DETAILS ARE INCIDENTAL TO BID ITEM "SIGN SUPPORTS CONCRETE MASONRY".

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

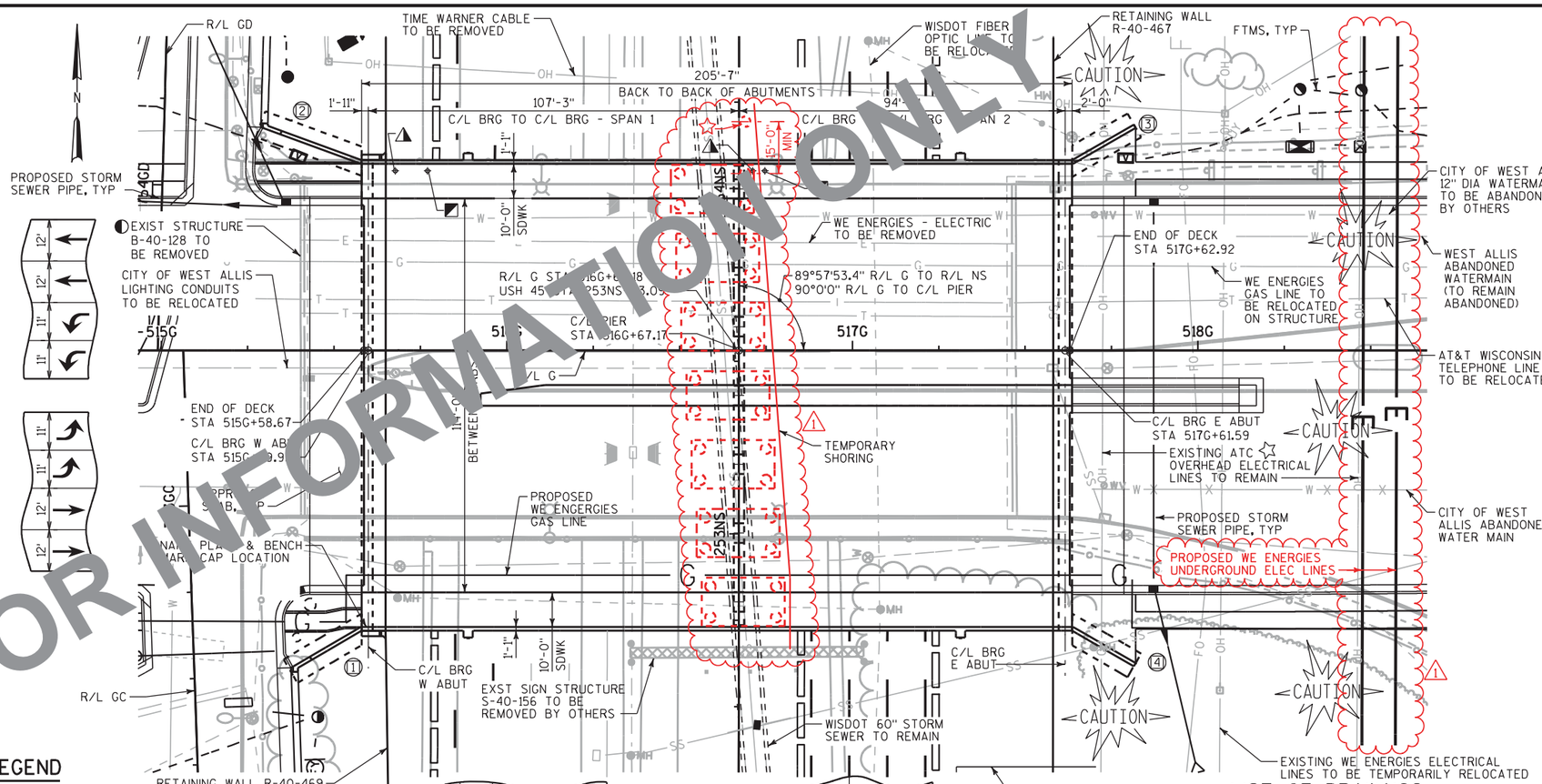
S-40-89 & S-40-90

DRAWN BY AG | PLANS CK'D. STB

CONCRETE COLUMN AESTHETIC DETAILS

SHEET 9 OF 9

FOR INFORMATION ONLY



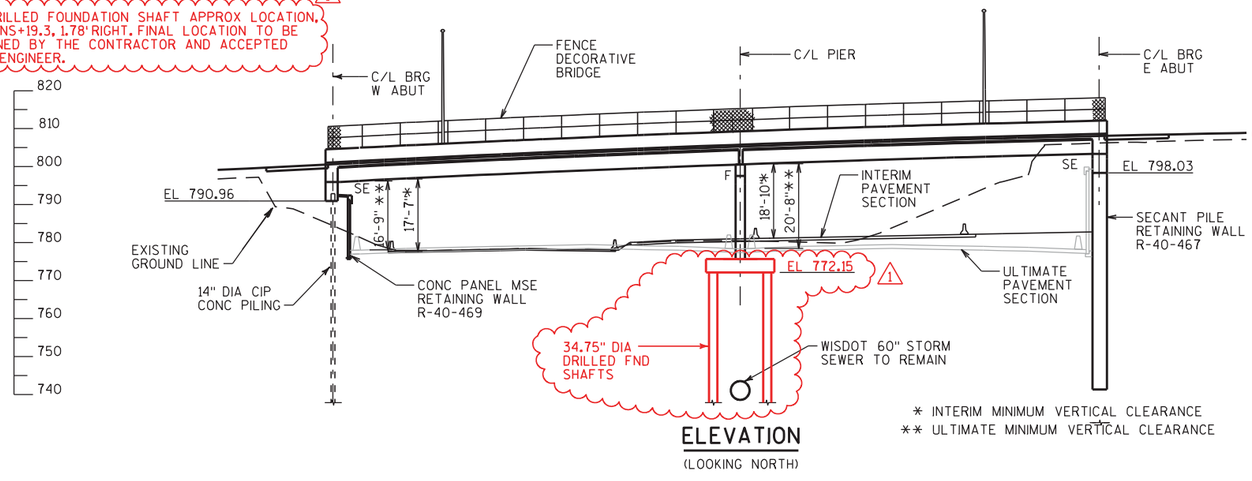
PLAN

(2 SPAN 45W" PRESTRESSED GIRDERS)

LEGEND

- EXISTING STRUCTURE B-40-128 IS A 4 SPAN STEEL ROLLED BEAM BRIDGE. PLANS OF THE EXISTING STRUCTURE ARE AVAILABLE FOR REVIEW AT WISDOT SE REGION OFFICE, 141 NW BARSTOW STREET, WAUKESHA, WI, OR THROUGH THE WISDOT STRUCTURES WEBSITE.
- POINT OF MINIMUM VERTICAL CLEARANCE INTERIM CONDITION
- POINT OF MINIMUM VERTICAL CLEARANCE ULTIMATE CONDITION
- (X) INDICATES WING NUMBER

1 ☆ TRIAL DRILLED FOUNDATION SHAFT APPROX LOCATION, STA 254NS+19.3, 1.78' RIGHT. FINAL LOCATION TO BE DETERMINED BY THE CONTRACTOR AND ACCEPTED BY THE ENGINEER.



ELEVATION

(LOOKING NORTH)

* INTERIM MINIMUM VERTICAL CLEARANCE
** ULTIMATE MINIMUM VERTICAL CLEARANCE

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.14
OPERATING RATING FACTOR: RF = 1.70
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 4,000 psi
- CIP CONCRETE PILING ..... f'c = 3,500 psi
- 45W-INCH PRESTRESSED GIRDERS ..... f'c = 9,000 psi
- DRILLED FOUNDATION SHAFTS ..... f'c = 4,000 psi 1

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi

FOUNDATION DATA

WEST ABUTMENT TO BE SUPPORTED ON 14" DIA CIP CONCRETE PILING REQUIRED DRIVING RESISTANCE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD:
WEST ABUTMENT ..... 185 TONS PER PILE

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.
ESTIMATED PILE LENGTHS:
WEST ABUTMENT ..... 70 FEET

EAST ABUTMENT TO BE SUPPORTED ON 46.50" DIA DRILLED SHAFTS PROVIDING A FACTORED AXIAL RESISTANCE OF 190 TONS. DRILLED SHAFTS ARE INCLUDED WITH RETAINING WALL R-40-467.

1 PIER TO BE SUPPORTED ON 34.75" DIA DRILLED SHAFTS PROVIDING A FACTORED AXIAL RESISTANCE OF 327 TONS.

TRAFFIC DATA

GREENFIELD AVENUE	USH 45
ADT = 6,200 (2004)	ADT = 98,400 (2003)
ADT = 23,380 (2035)	ADT = 134,640 (2035)
RDS = 40 MPH	RDS = 70 MPH

☆ CONSTRUCTION OF DRILLED SHAFTS FOR RETAINING WALL R-40-467 AND THE EAST ABUTMENT OF B-40-769 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC). THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD DRILLING EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES. NOTIFY AND COORDINATE ALL CONSTRUCTION ACTIVITY WITH ATC PRIOR TO CONSTRUCTION.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. SUBSURFACE EXPLORATION (1 OF 2)
6. SUBSURFACE EXPLORATION (2 OF 2)
7. WEST ABUTMENT
8. WEST ABUTMENT DETAILS (1 OF 2)
9. WEST ABUTMENT DETAILS (2 OF 2)
10. WEST ABUTMENT WINGS (1 OF 3)
11. WEST ABUTMENT WINGS (2 OF 3)
12. WEST ABUTMENT WINGS (3 OF 3)
13. EAST ABUTMENT
14. EAST ABUTMENT DETAILS
15. EAST ABUTMENT WINGS (1 OF 2)
16. EAST ABUTMENT WINGS (2 OF 2)
17. PIER (1 OF 4)
18. PIER (2 OF 4)
18A. PIER (2A OF 4) 1
19. PIER (3 OF 4)
20. PIER (4 OF 4)
21. 45W" PRESTRESSED GIRDER
22. 45W" PRESTRESSED GIRDER DETAILS
23. EXPANSION BEARING DETAILS
24. SUPERSTRUCTURE FRAMING PLAN
25. SUPERSTRUCTURE REINFORCEMENT
26. SUPERSTRUCTURE CROSS SECTION
27. SUPERSTRUCTURE DETAILS (1 OF 3)
28. SUPERSTRUCTURE DETAILS (2 OF 3)
29. SUPERSTRUCTURE DETAILS (3 OF 3)
30. STEEL DIAPHRAGM
31. VERTICAL FACE PARAPET (1 OF 2)
32. VERTICAL FACE PARAPET (2 OF 2)
33. LIGHT SUPPORT DETAILS
34. LIGHT SUPPORT REINFORCEMENT
35. FENCE DECORATIVE BRIDGE (1 OF 3)
36. FENCE DECORATIVE BRIDGE (2 OF 3)
37. FENCE DECORATIVE BRIDGE (3 OF 3)
38. FENCE DECORATIVE WING (1 OF 3)
39. FENCE DECORATIVE WING (2 OF 3)
40. FENCE DECORATIVE WING (3 OF 3)
41. AESTHETIC DETAILS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

William C. Dreher KAR 11/20/12

WISCONSIN KARL E. SCHMID E-30812 MILWAUKEE, WI 11/20/2012 PROFESSIONAL ENGINEER

STATE PROJECT NUMBER
1060-33-77

Addendum No. 1, ID 1060-33-77, Revised Sheet 526, November 29, 2012

NO.	DATE	REVISION	BY
1	11/20/12	PIER FND REV & UTILITY ADD'T	KES

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-769

GREENFIELD AVENUE BRIDGE OVER USH 45/IH 94

COUNTY: MILWAUKEE	~~TOWN/CITY/VILLAGE~~: WEST ALLIS
DESIGN SPEC: AASHTO LRFD 2010 5TH EDITION	LOAD: HL-93
DESIGNED BY: ASW	DESIGN CK'D.BKS/CNK
DRAWN BY: ASW	PLANS CK'D.: KES

GENERAL PLAN & ELEVATION

SHEET 1 OF 41

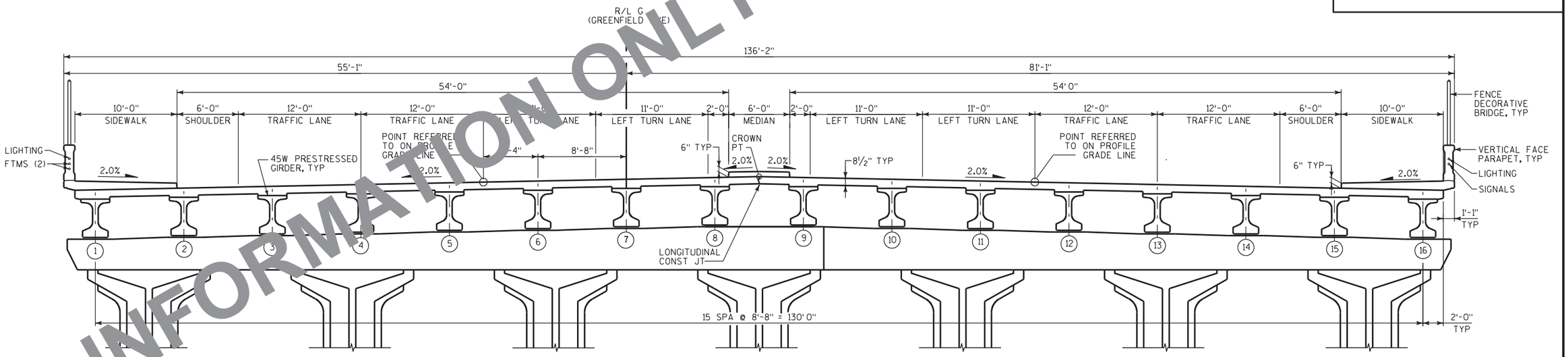
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PLOT SCALE : 40:1

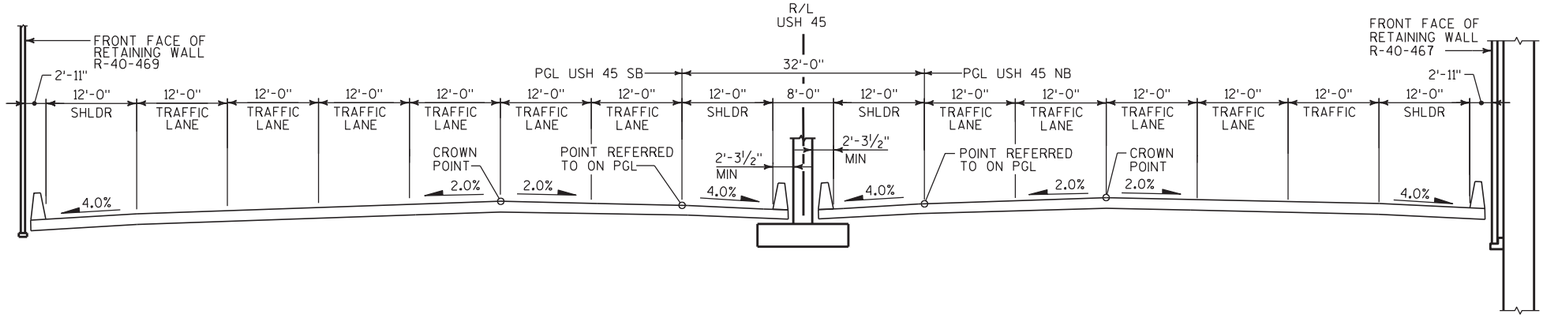
STATE PROJECT NUMBER
1060-33-77

FOR INFORMATION ONLY



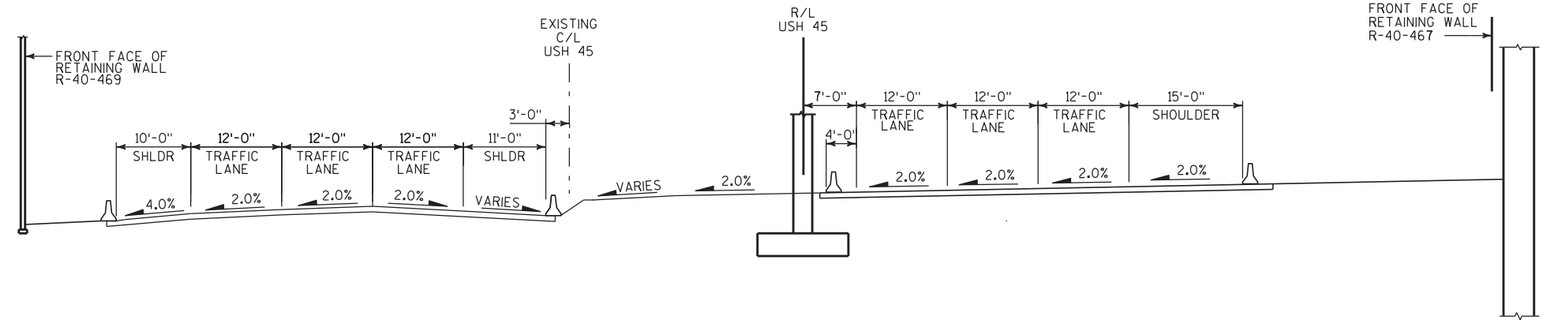
TYPICAL SECTION THRU GREENFIELD AVE

(LOOKING EAST)



USH 45 ULTIMATE TYPICAL SECTION UNDER GREENFIELD AVE BRIDGE

(LOOKING NORTH)



USH 45 INTERIM TYPICAL SECTION UNDER GREENFIELD AVE BRIDGE

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-769

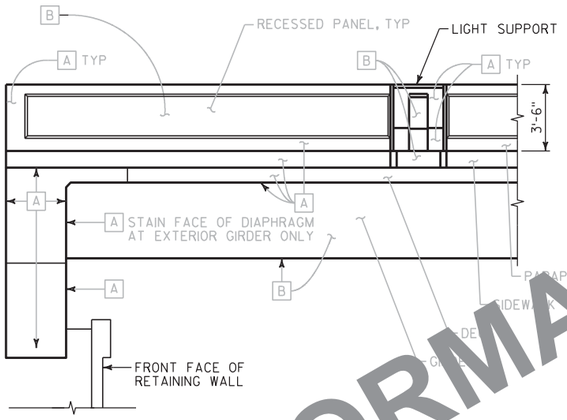
DRAWN BY	EWD	PLANS CK'D.	KES

TYPICAL SECTIONS

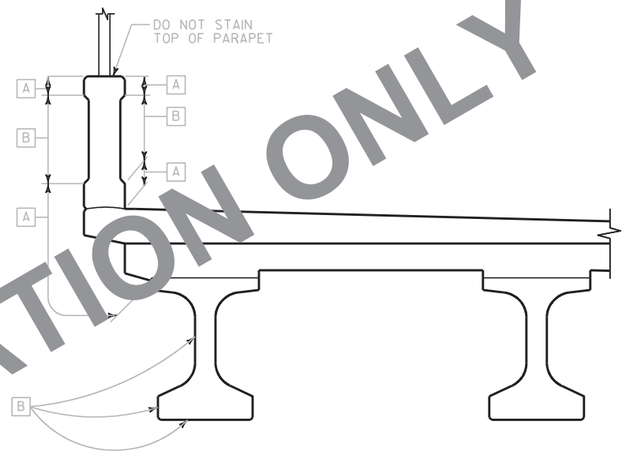
SHEET 2 OF 41

FOR INFORMATION ONLY

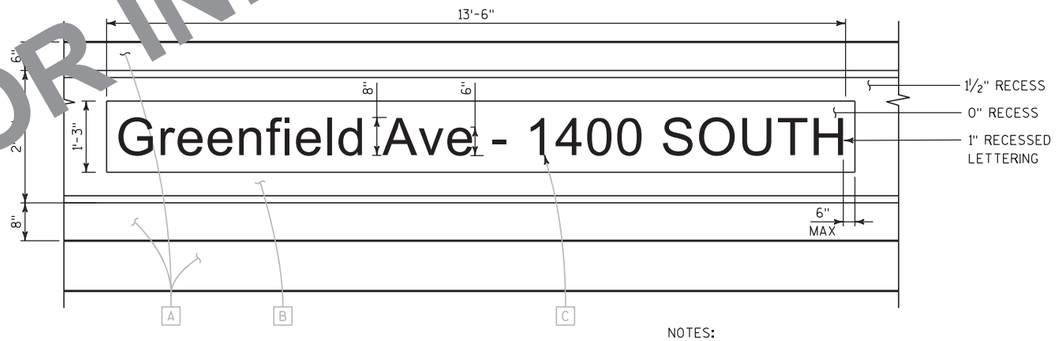
STATE PROJECT NUMBER
1060-33-77



OUTSIDE ELEVATION OF PARAPET



ELEVATION OF DECK



INDENTED TEXT

EXTERIOR FACE OF PARAPET ONLY

NOTES:
LETTERING SHALL BE HELVETICA, 8" UPPER CASE AND 6" LOWER CASE.

LETTERING IS ONLY ON OUTSIDE FACE OF PARAPET.

SEE SHT 31 FOR LOCATIONS.

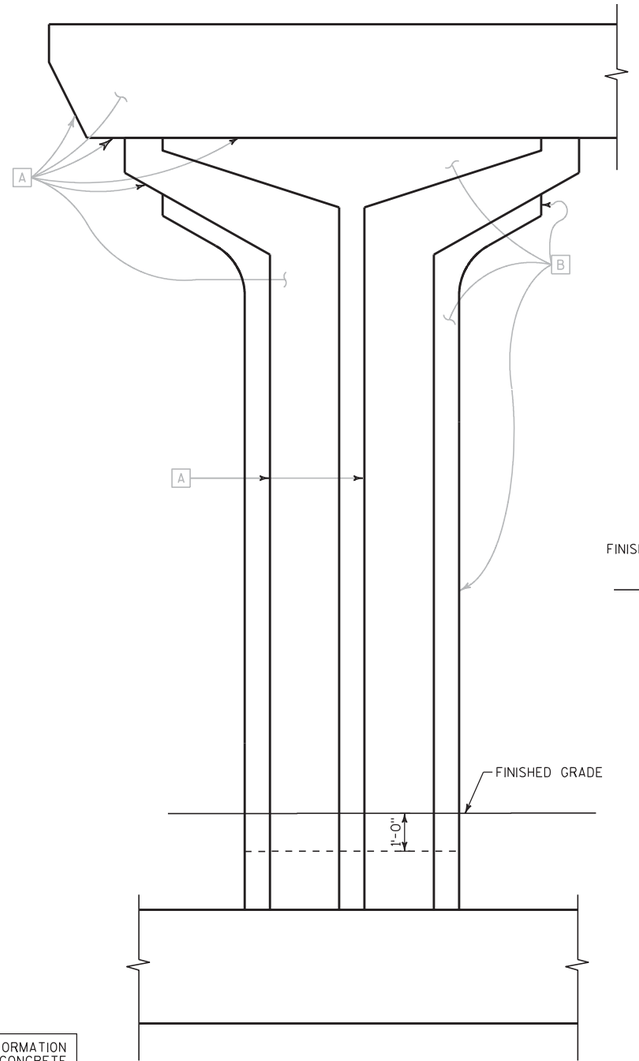
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		SIDEWALKS	FASCIA & EXPOSED UNDERSIDE
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO 6" BELOW TOP OF RETAINING WALL COPING
		PIERS	SIDES AND BOTTOM OF CAP BEAM, AND COLUMNS TO 1'-0" BELOW FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PIERS, GIRDERS, PARAPETS	REVEALS ON COLUMNS, EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS, REVEALS ON PARAPETS
C	ACCENT COLOR #2	PARAPETS	LETTERING AT ROADWAY NAME

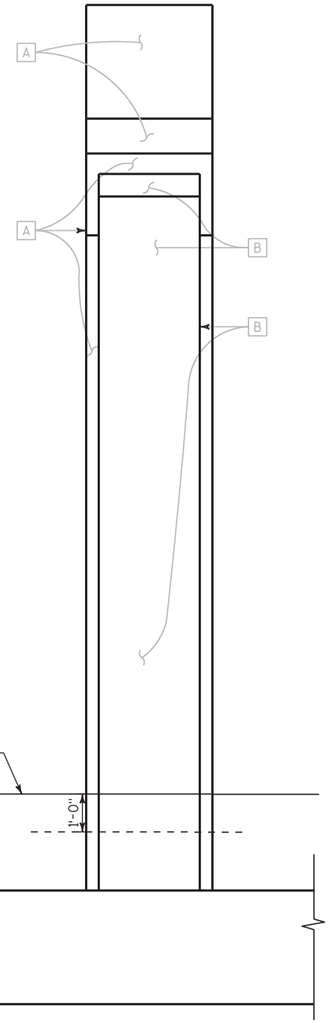
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE SHERWIN-WILLIAMS STANDARD COLOR SYSTEM LISTED.

BASE COLOR : WHOLE WHEAT - SW 6121, FN 122
ACCENT COLOR #1: BAGUETTE - SW 6123, FN 124
ACCENT COLOR #2: BLACK - FEDERAL COLOR 37038

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



ELEVATION OF PIER



ELEVATION OF PIER

LOOKING NORTH (FROM SOUTH END)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-769

DRAWN BY ASW | PLANS CK'D. KES

AESTHETIC DETAILS

SHEET 41 OF 41

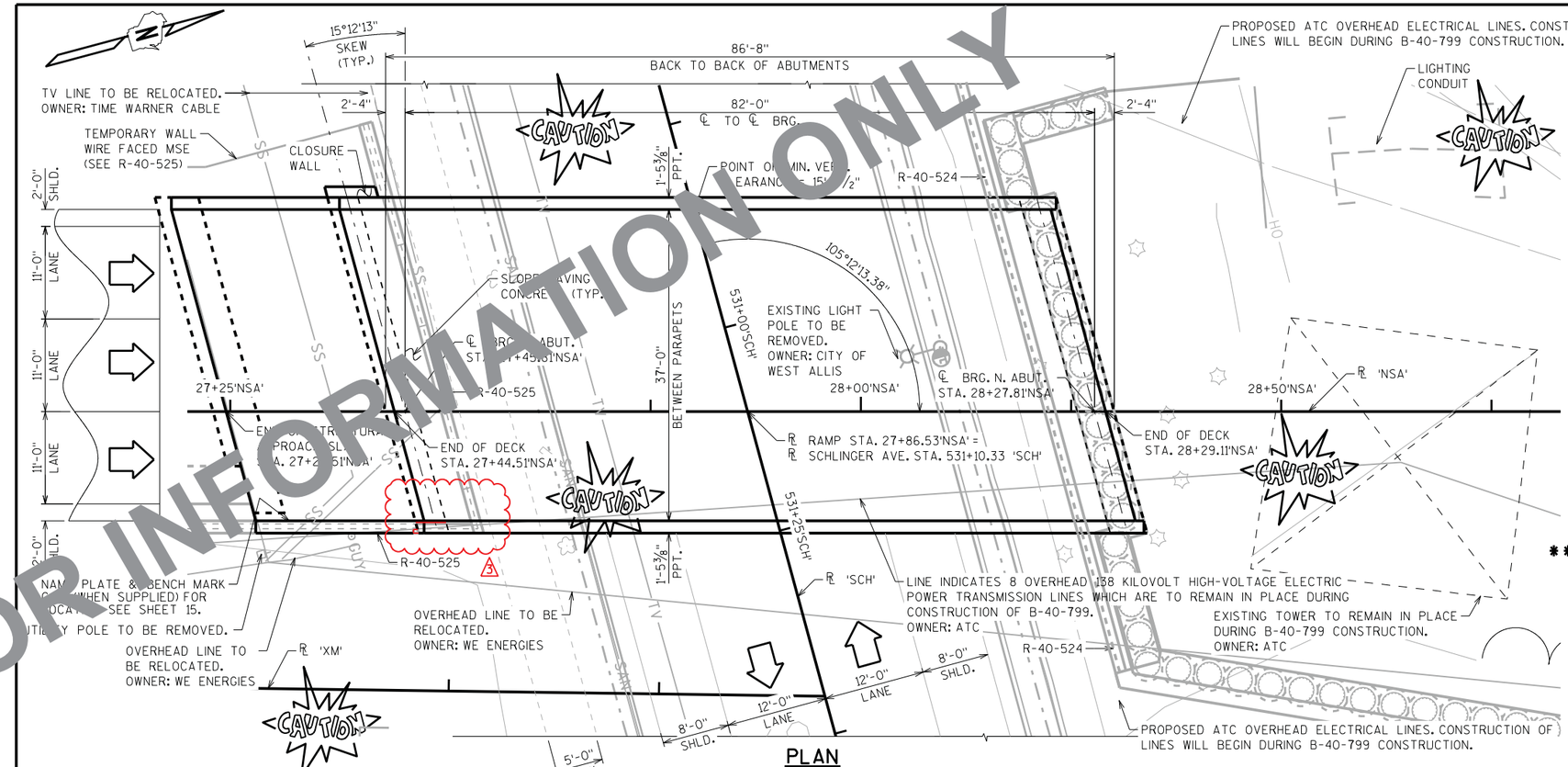
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8

FOR INFORMATION ONLY

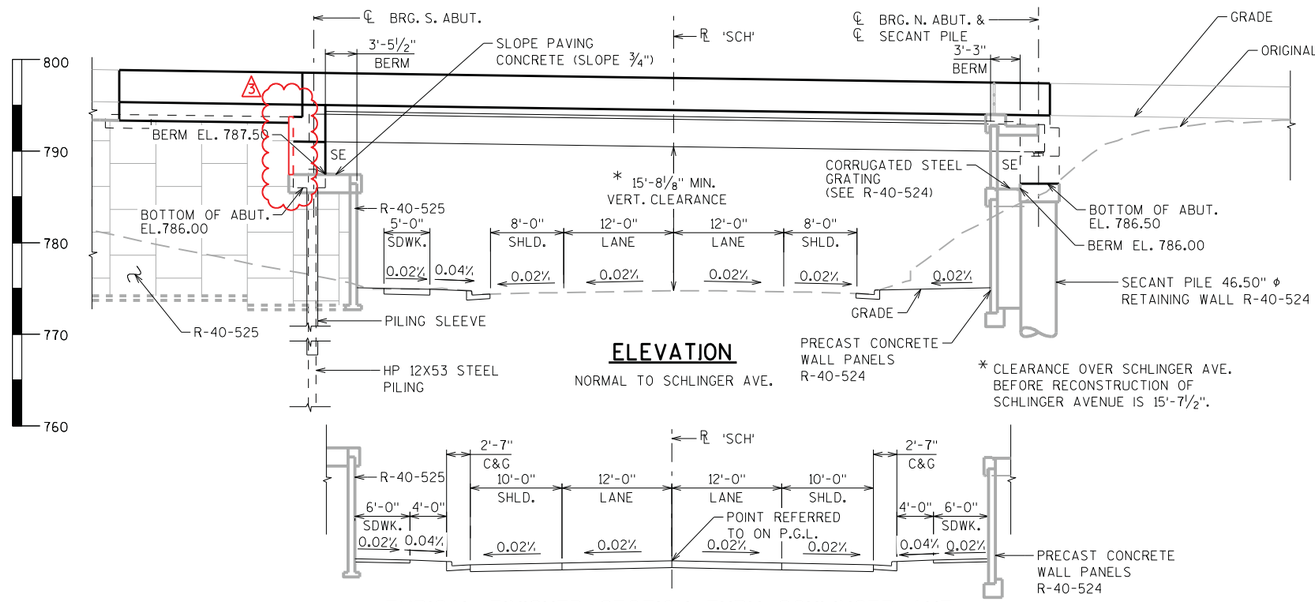
STATE PROJECT NUMBER

1060-33-78



PLAN

(SINGLE SPAN 36W" PRESTRESSED GIRDERS)



ELEVATION

NORMAL TO SCHLINGER AVE.

TYPICAL FINISHED SECTION THRU SCHLINGER AVE.

LOOKING WEST (CONSTRUCTED UNDER FUTURE CONTRACT 1060-30-88)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.13
OPERATING RATING FACTOR: RF=1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 240 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

B-40-799 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'c = 4,000 P.S.I.
	SUBSTRUCTURE	f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60		fy = 60,000 P.S.I.
36W" PRESTRESSED GIRDERS, CONCRETE MASONRY		f'c = 8,000 P.S.I.
	STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.	

FOUNDATION DATA

SOUTH ABUTMENT TO BE SUPPORTED ON HP 12X53 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 210 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 100 FEET LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

NORTH ABUTMENT TO BE SUPPORTED ON 46.5" DIA. DRILLED SHAFTS PROVIDING A FACTORED AXIAL RESISTANCE OF 89 TONS. DRILLED SHAFTS ARE INCLUDED WITH RETAINING WALL R-40-524.

TRAFFIC VOLUME

RAMP 'NSA'	SCHLINGER AVE. 'SCH'
A.D.T.=5,600 (2035)	A.D.T.=3,800 (2035)
R.D.S.=45 M.P.H.	R.D.S.=30 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. 36W" PRESTRESSED GIRDER
9. 36W" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. EXPANSION BEARING DETAILS
12. SUPERSTRUCTURE
13. SUPERSTRUCTURE DETAILS
14. STRUCTURAL APPROACH SLAB - SOUTH ABUTMENT
15. SINGLE SLOPE PARAPET 42SS (MODIFIED)
15A. CONDUIT DETAILS - WEST PARAPET (5)
16. AESTHETIC DETAILS
16A. SOUTH ABUTMENT - EAST END DETAILS (3)

Plan Sheet Accepted By WISDOT BUREAU OF STRUCTURES

STRUCTURE DESIGN CONTACTS:
RUTH A. COISMAN (608) 261-8205
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY
5	5/22/14	CONDUIT DETAILS W. PPT. @ S. ABUT.	RAC
3	12/20/13	SOUTH ABUTMENT - EAST END	RAC

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE

STRUCTURE B-40-799

US 45 NB. ON RAMP OVER SCHLINGER AVE.

COUNTY MILWAUKEE
~~TOWN~~/CITY/~~VILLAGE~~ WEST ALLIS
DESIGN SPEC. AASHTO LRFD DESIGN SPEC.

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
RAC	DFD	RAC	DFD

GENERAL PLAN

SHEET 1 OF 16A (3)

6519

I.D. 1060-33-07D

DATE: MAY 2013

SCALE = 16:1

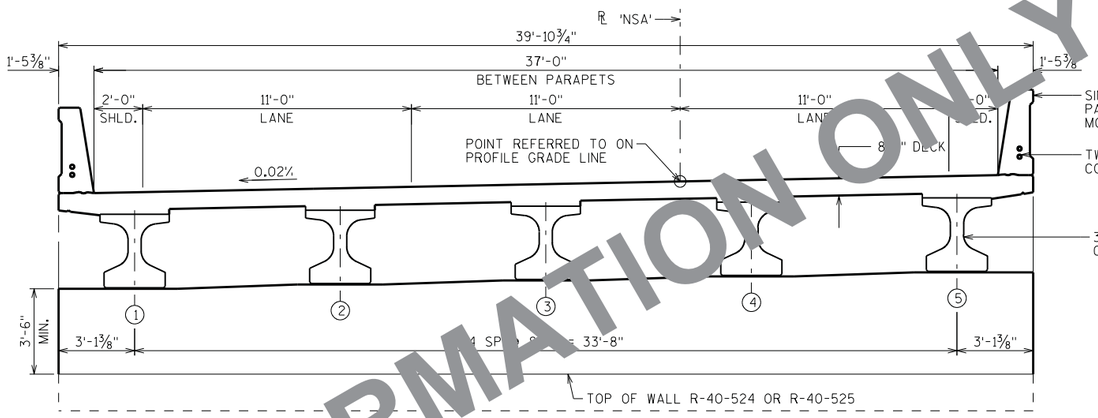
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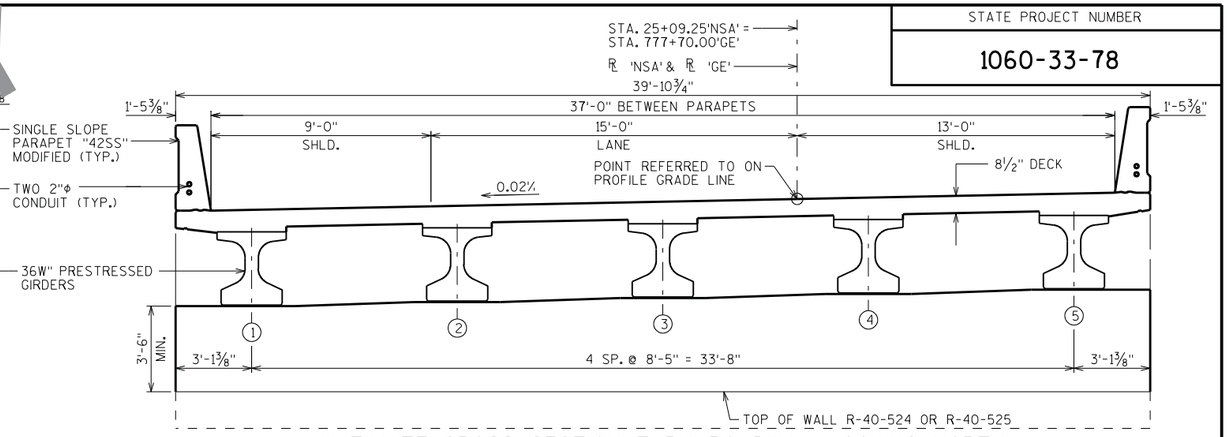
FOR INFORMATION ONLY

STATE PROJECT NUMBER

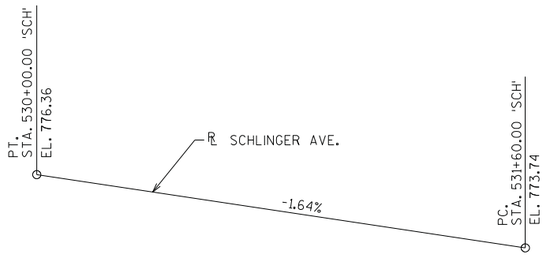
1060-33-78



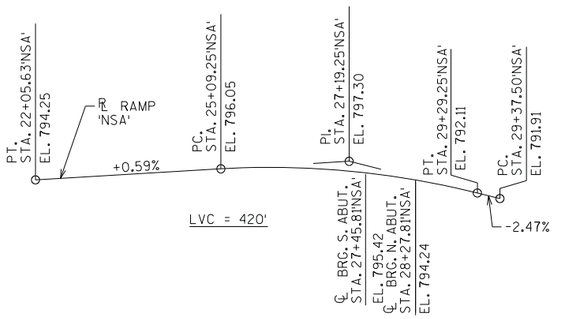
TEMPORARY CROSS SECTION THRU ROADWAY LOOKING NORTH



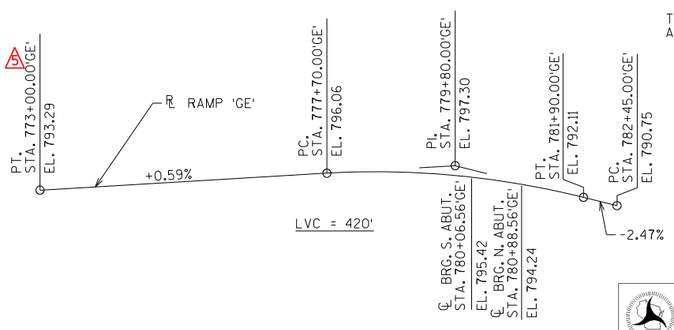
ULTIMATE CROSS SECTION THRU ROADWAY LOOKING NORTH



PROFILE GRADE LINE - SCHLINGER AVENUE



PROFILE GRADE LINE - TEMPORARY RAMP 'NSA'



PROFILE GRADE LINE - ULTIMATE RAMP 'GE'

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND TOP OF APPROACH SLAB SURFACE AND THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLAB.

THE SLOPE OF THE FILL IN FRONT OF THE SOUTH ABUTMENT SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

EMBEDDED CONDUITS IN THE WEST AND EAST PARAPETS FOR FUTURE US 45 FTMS AND FUTURE LIGHTING OF RAMP 'GE' ARE INCLUDED IN THE BRIDGE PLANS.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COARSE AGGREGATE UNDER THE SLOPE PAVING SHALL BE CONSIDERED INCIDENTAL TO "SLOPE PAVING CONCRETE."

THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLAB (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTURES."

ATC OVERHEAD HIGH-VOLTAGE POWER TRANSMISSION LINES, 138 KILOVOLT, ARE TO REMAIN IN PLACE AND BE ENERGIZED DURING CONSTRUCTION. OSHA REGULATIONS REGARDING PROXIMITY OF CONSTRUCTION EQUIPMENT TO ENERGIZED POWER TRANSMISSION LINES MUST BE MET.

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-40-799 ABUTMENTS WITH RETAINING WALLS R-40-524 AND R-40-525.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH SLAB	SOUTH ABUT.	NORTH ABUT.	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-40-799	LS	--	--	--	--	1
210.0100	BACKFILL STRUCTURE	CY	--	--	140	90	230
502.0100	CONCRETE MASONRY BRIDGES	CY	--	11	31	22	64
502.3200	PROTECTIVE SURFACE TREATMENT	SY	435	115	--	--	550
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	416	--	--	--	416
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	--	--	2,370	930	3,300
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	25,740	9,740	210	--	35,690
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	--	--	5	--	5
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	--	--	--	5	5
506.4000	STEEL DIAPHRAGMS B-40-799	EACH	8	--	--	--	8
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	--	--	10	21	31
550.0500	PILE POINTS	EACH	--	--	6	--	6
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	--	--	600	--	600
604.0400	SLOPE PAVING CONCRETE	SY	--	--	13	--	13
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	--	67	61	--	128
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	18	40	--	--	58
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	348	--	--	--	348
SPV.0035.4000	HPC MASONRY STRUCTURES	CY	161	46	--	--	207
SPV.0085.4300	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	700	--	--	--	700
SPV.0090.4430	PILING SLEEVES	LF	--	--	126	--	126
SPV.0165.4700	LONGITUDINAL GROOVING BRIDGE DECK	SF	3,130	740	--	--	3,870
	NON-BID ITEMS						
	FILLER	SIZE	--	--	--	--	½" & ¾"

ALL ITEMS ARE CATEGORY 2010

NO.	DATE	REVISION	BY
5	5/22/14	CONDUIT DETAILS - W. PPT. @ S. ABUT.	RAC
3	12/20/13	SOUTH ABUTMENT - EAST END	RAC

Plan Sheet Accepted By WISDOT BUREAU OF STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-799

DRAWN BY RAC | PLANS CK'D. DFD

CROSS SECTION & QUANTITIES

SHEET 2

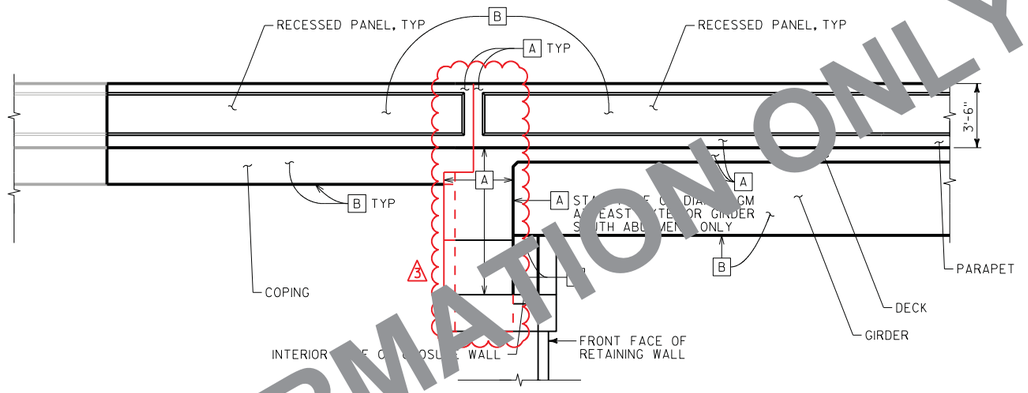
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SCALE = 6:1

FOR INFORMATION ONLY

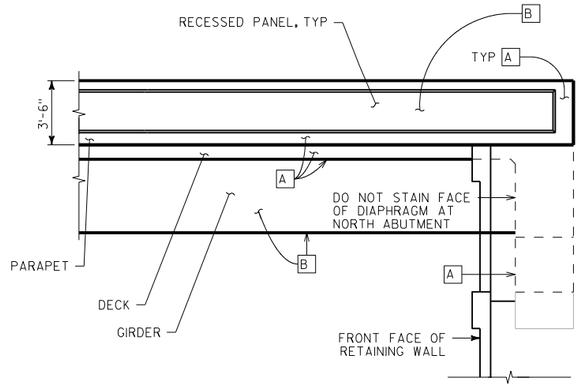
STATE PROJECT NUMBER

1060-33-78



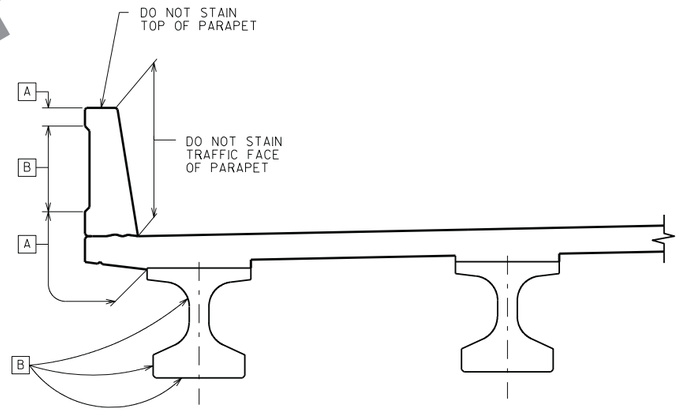
OUTSIDE ELEVATION OF PARAPET & SOUTH APPROACH SLAB

(LOOKING WEST)

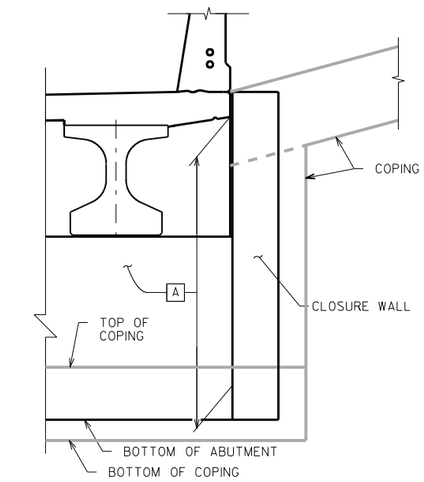


OUTSIDE ELEVATION OF PARAPET AT NORTH ABUTMENT

(LOOKING WEST)



ELEVATION OF DECK



ELEVATION OF CLOSURE WALL

(LOOKING SOUTH)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF SLOPE PAVING, INTERIOR FACE OF CLOSURE WALL FROM BOTTOM OF DECK TO TOP OF SLOPE PAVING
B	ACCENT COLOR #1	GIRDERS, PARAPETS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS, REVEALS ON PARAPETS
		COPING	FACE & UNDERSIDE

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW.

BASE COLOR : FEDERAL COLOR - #36424
ACCENT COLOR #1: FEDERAL COLOR - #33522

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES

NO.	DATE	REVISION	BY
3	12/20/13	SOUTH ABUTMENT - EAST END	RAC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-799

DRAWN BY RAC | PLANS CK'D. DFD

AESTHETIC DETAILS

SHEET 16

6521

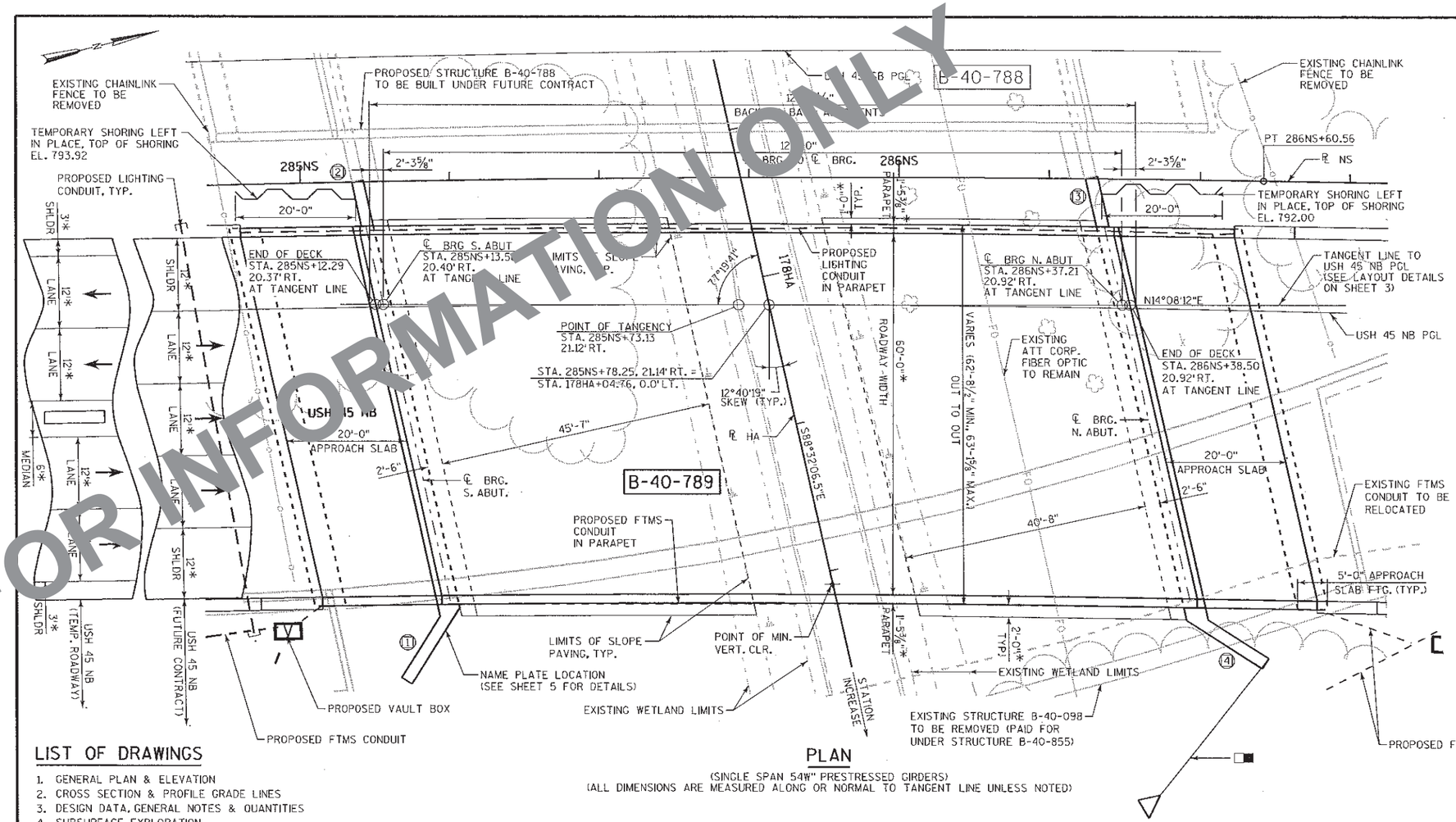
SCALE = 4:1

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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

(SINGLE SPAN 54W" PRESTRESSED GIRDERS)
(ALL DIMENSIONS ARE MEASURED ALONG OR NORMAL TO TANGENT LINE UNLESS NOTED)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.04
OPERATING RATING FACTOR: RF = 1.94
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 4,000 psi
- CIP CONCRETE PILING ..... f'c = 3,500 psi
- 54W-INCH PRESTRESSED GIRDERS ..... f'c = 8,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi
STEEL PILE SHELLS SHALL BE ASTM A252, GRADE 3 .... fy = 45,000 psi

FOUNDATION DATA

USING THE PDA/CAPWAP ACCEPTANCE METHOD:

ABUTMENTS SHALL BE SUPPORTED ON 14" DIA. CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 185 TONS PER PILE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD.

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING PDA/CAPWAP METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:
- SOUTH ABUTMENT ..... 77 FEET
- NORTH ABUTMENT ..... 74 FEET

LEGEND

- → DIRECTION OF TRAFFIC
- (X) WINGWALL NUMBER
- T.O.B. TOP OF BERM
- * DIMENSION MEASURED NORMAL TO USH 45 NB PGL
- "PIPE UNDERDRAIN UNPERFORATED 6-INCH" CONNECT TO "APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH", INVERT EL. = 775.00. SEE SHEET 9 FOR RODENT SHIELD DETAIL.

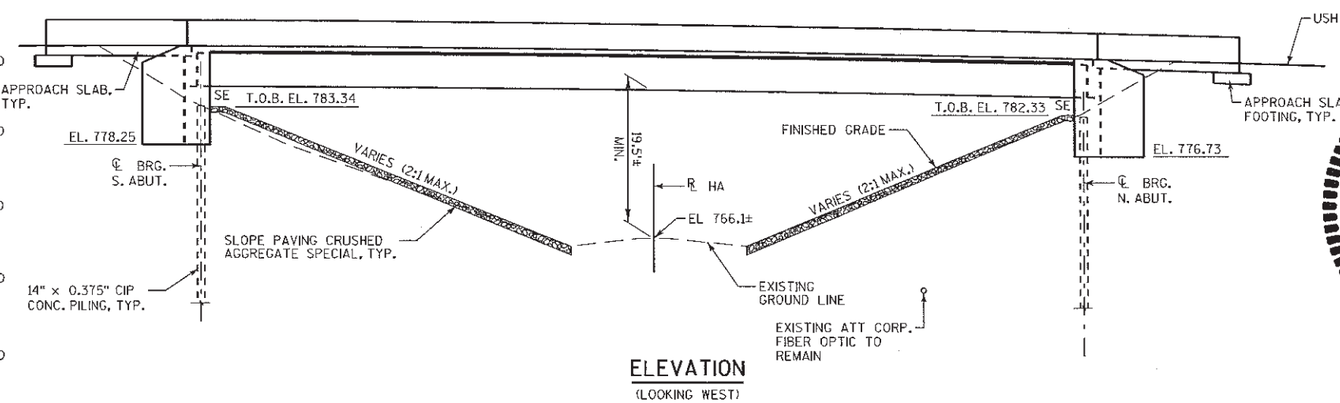
TRAFFIC DATA

USH 45 NB

ADT = 42,200 (2015)
ADT = 65,500 (2035)
RDS = 60 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION & PROFILE GRADE LINES
3. DESIGN DATA, GENERAL NOTES & QUANTITIES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT DETAILS
7. SOUTH ABUTMENT WINGWALLS
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. NORTH ABUTMENT WINGWALLS
11. 54W" PRESTRESSED GIRDER
12. 54W" PRESTRESSED GIRDER DETAILS
13. SUPERSTRUCTURE FRAMING PLAN
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE REINFORCEMENT
16. SUPERSTRUCTURE DETAILS (1 OF 2)
17. SUPERSTRUCTURE DETAILS (2 OF 2)
18. SINGLE SLOPE PARAPET 42SS MODIFIED (1 OF 3)
19. SINGLE SLOPE PARAPET 42SS MODIFIED (2 OF 3)
20. SINGLE SLOPE PARAPET 42SS MODIFIED (3 OF 3)
21. STRUCTURAL APPROACH SLAB
22. STRUCTURAL APPROACH SLAB DETAILS
23. SLOPE PAVING DETAILS
24. AESTHETIC DETAILS



ELEVATION

(LOOKING WEST)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/07/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
5/1/2014

STRUCTURE B-40-789

USH 45 NB BRIDGE OVER HANK AARON TRAIL

COUNTY	CITY
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
AJA	MHZ	MM	MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 24

8

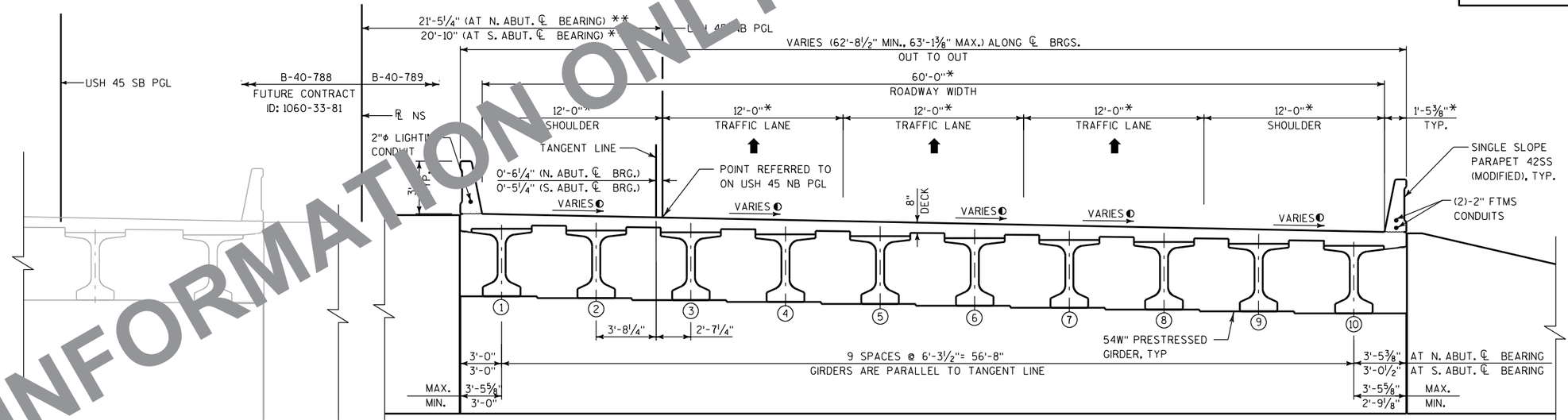
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PLOT SCALE : 20:1

6522

STATE PROJECT NUMBER
1060-33-80

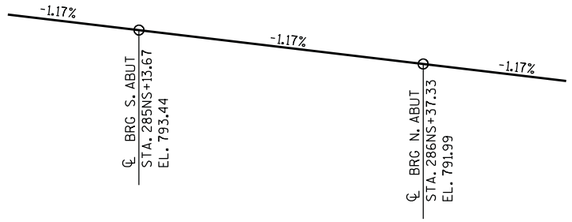
FOR INFORMATION ONLY



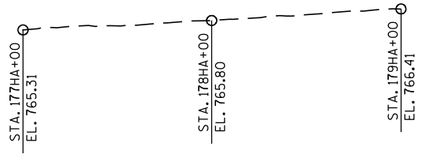
BRIDGE FINAL CROSS SECTION B-40-789

(LOOKING NORTH)

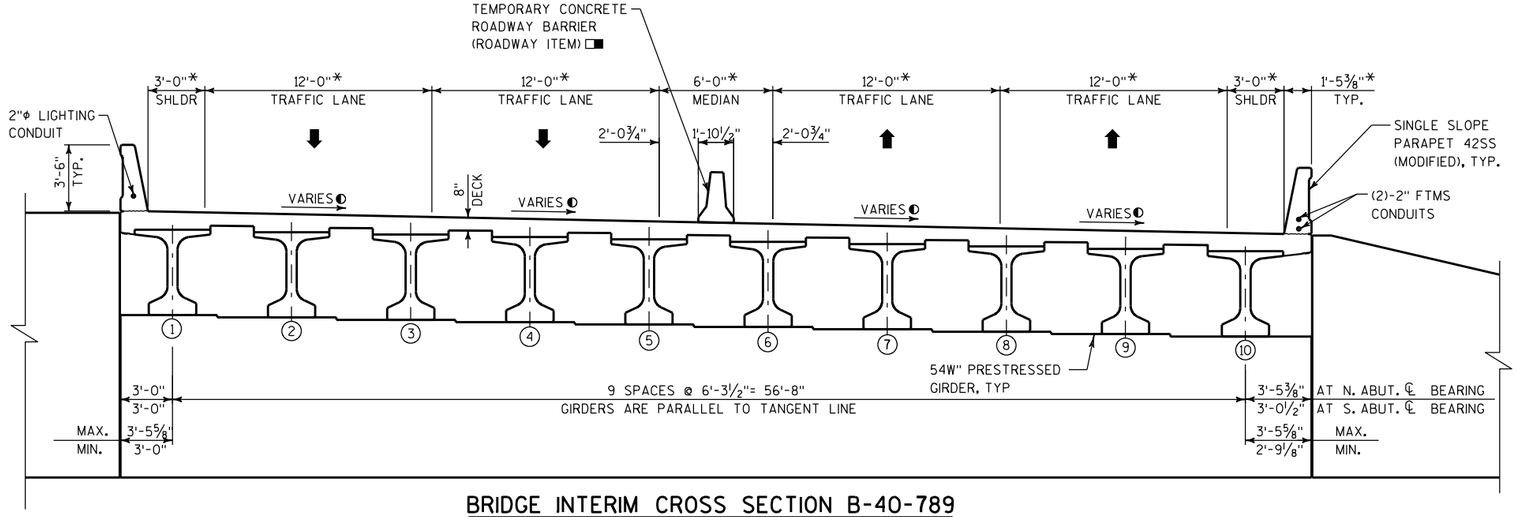
(ALL DIMENSIONS ARE MEASURED NORMAL TO TANGENT LINE UNLESS NOTED)



PROFILE GRADE LINE - USH 45 NB



SURVEYED EXISTING PROFILE REFERENCE LINE - HA



BRIDGE INTERIM CROSS SECTION B-40-789

(LOOKING NORTH)

(ALL DIMENSIONS ARE MEASURED NORMAL TO TANGENT LINE UNLESS NOTED)

LEGEND

* DIMENSION MEASURED NORMAL TO USH 45 NB PGL

** DIMENSION MEASURED NORMAL TO ℄ NS

◐ 3.5% TO THE RIGHT (STA. 276NS+29 TO STA. 285NS+98)
3.5% TO 2% TO THE RIGHT (STA. 285NS+98 TO STA. 286NS+78)

■■ TEMPORARY ROADWAY CONCRETE BARRIER NOT TO BE ANCHORED TO THE BRIDGE DECK SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-789

DRAWN BY MM | PLANS CK'D. MHZ

CROSS SECTION & PROFILE GRADE LINE

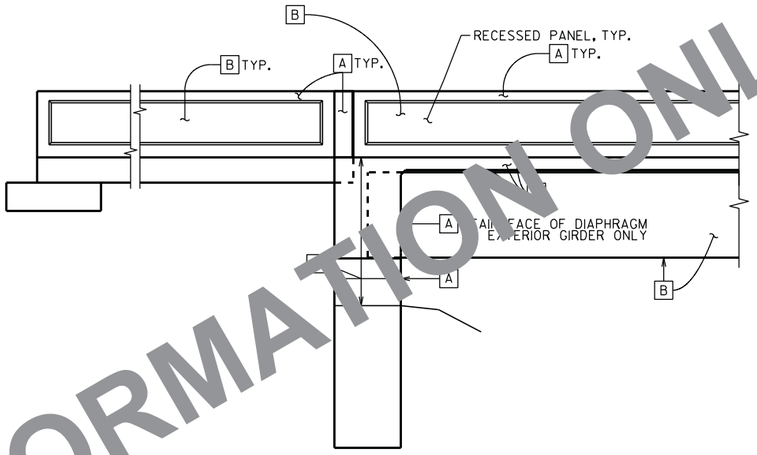
SHEET 2 OF 24

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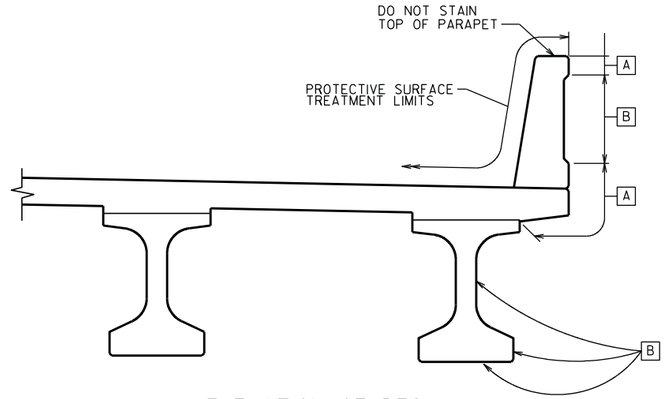
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FOR INFORMATION ONLY

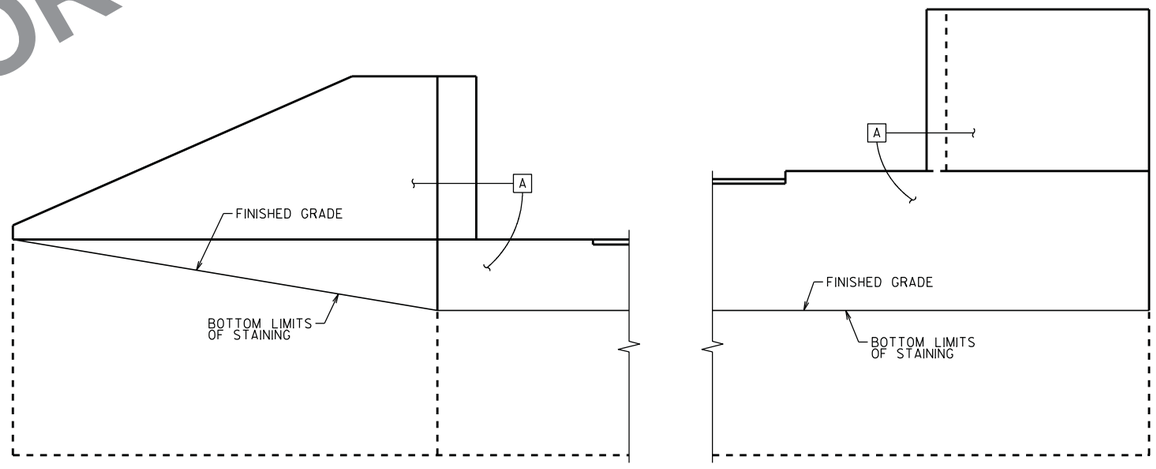
STATE PROJECT NUMBER
1060-33-80



OUTSIDE ELEVATION OF PARAPET



ELEVATION OF DECK



ABUTMENT ELEVATION

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	OUTSIDE FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO 6" BELOW TOP OF SLOPE PAVING OR TOP OF PROPOSED GROUND
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON EXTERIOR FACE
		GIRDERS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW.

BASE COLOR : FEDERAL COLOR - 36424
ACCENT COLOR #1: FEDERAL COLOR - 33522

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-789

DRAWN BY MM | PLANS CK'D. MHZ

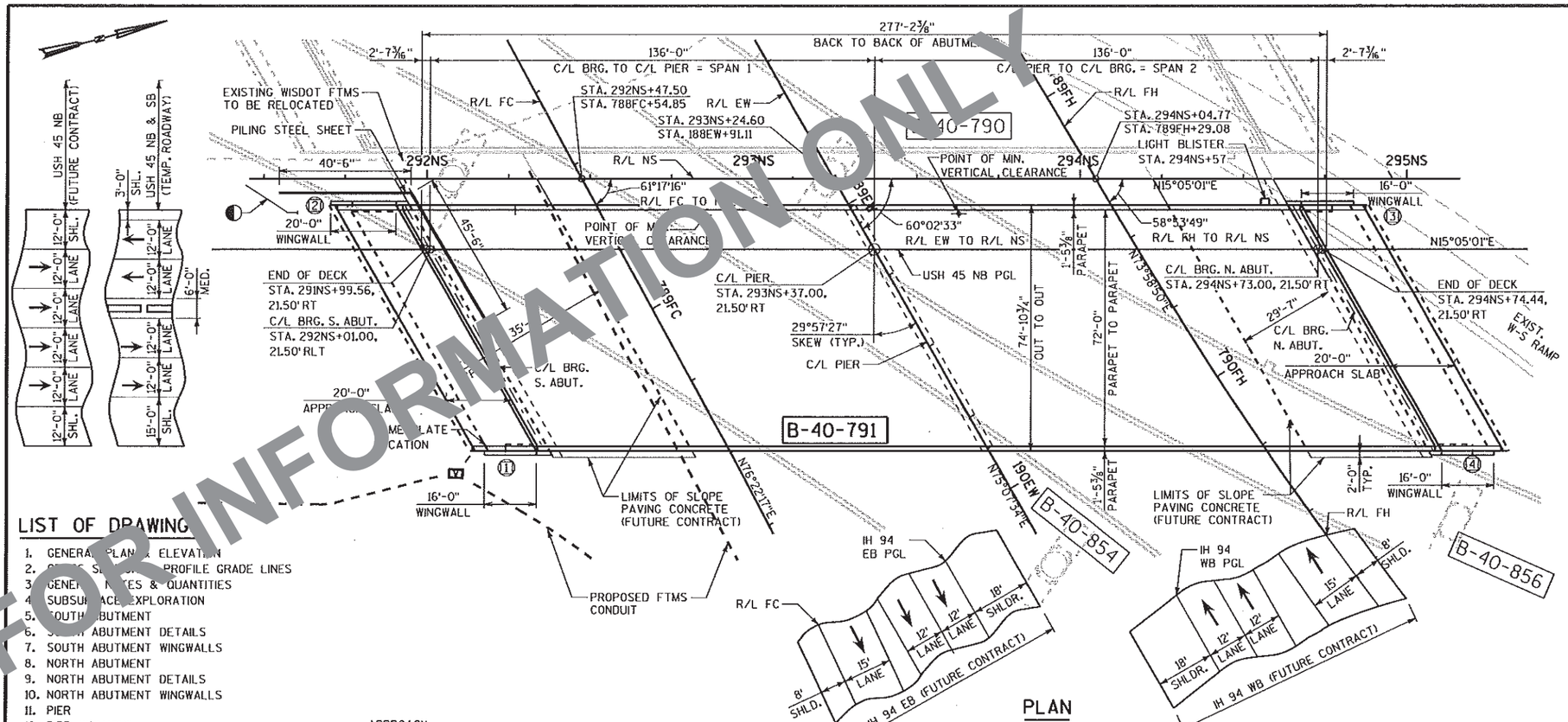
AESTHETIC DETAILS

SHEET 24 OF 24

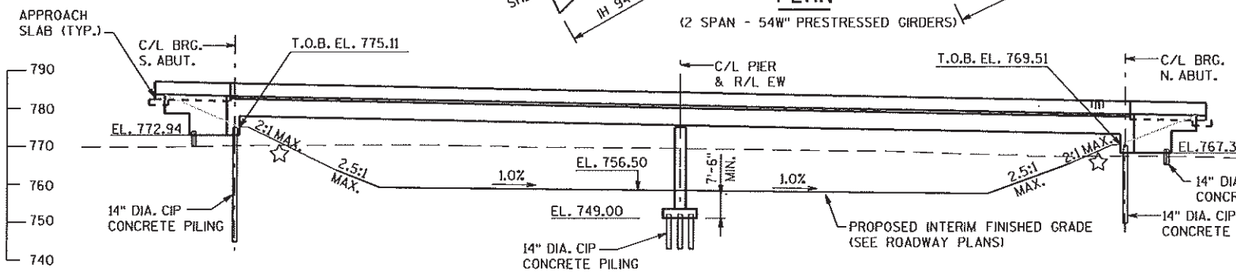
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FOR INFORMATION ONLY

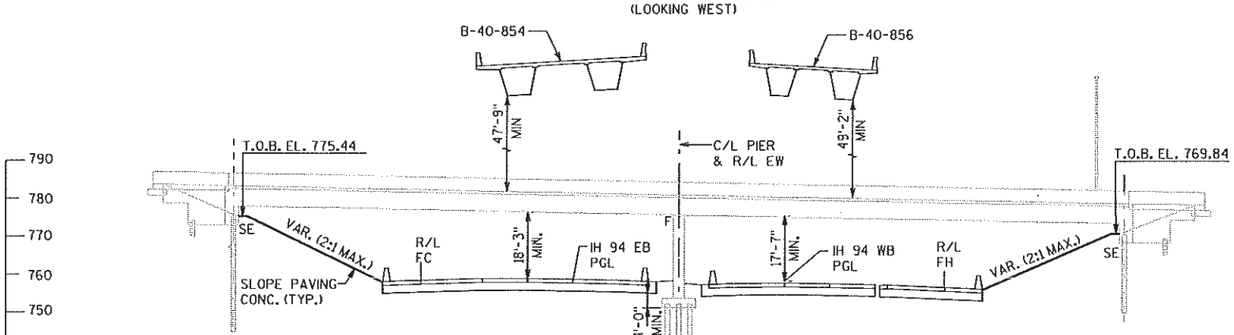
STATE PROJECT NUMBER
1060-33-80



PLAN
(2 SPAN - 54W" PRESTRESSED GIRDERS)



INTERIM ELEVATION
(LOOKING WEST)



FINAL ELEVATION (FUTURE CONTRACT)
(LOOKING WEST)

LIST OF DRAWING

1. GENERAL PLAN & ELEVATION
2. [illegible] PROFILE GRADE LINES
3. GENERAL NOTES & QUANTITIES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT DETAILS
7. SOUTH ABUTMENT WINGWALLS
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. NORTH ABUTMENT WINGWALLS
11. PIER
12. PIER SECTIONS
13. PIER DETAILS
14. 54W" PRESTRESSED GIRDER
15. 54W" PRESTRESSED GIRDER DETAILS
16. SUPERSTRUCTURE FRAMING PLAN
17. STEEL DIAPHRAGM
18. SUPERSTRUCTURE REINFORCEMENT
19. SUPERSTRUCTURE CROSS SECTIONS
20. SUPERSTRUCTURE DETAILS
21. SINGLE SLOPE PARAPET 42SS MODIFIED (1 OF 3)
22. SINGLE SLOPE PARAPET 42SS MODIFIED (2 OF 3)
23. SINGLE SLOPE PARAPET 42SS MODIFIED (3 OF 3)
24. LIGHT SUPPORT DETAILS
25. LIGHT SUPPORT REINFORCEMENT
26. STRUCTURAL APPROACH SLAB
27. STRUCTURAL APPROACH SLAB DETAILS
28. AESTHETIC DETAILS

LEGEND

- → DIRECTION OF TRAFFIC
- T.O.B. TOP OF BERM
- (X) WINGWALL NUMBER
- ☆ SLOPE STABILIZATION PER ROADWAY PLANS (ROADWAY ITEM)
- ◐ "PIPE UNDERDRAIN UNPERFORATED 6-INCH" CONNECT TO "APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH" APPROX. INVERT EL. 772 FOR RODENT SHIELD DETAILS SEE SHEET 6.

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.13
OPERATING RATING FACTOR: RF = 1.60
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 4,000 psi
- CIP CONCRETE PILING ..... f'c = 3,500 psi
- 54W-INCH PRESTRESSED GIRDERS ..... f'c = 8,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi
STEEL PILE SHELLS SHALL BE ASTM A252, GRADE 3.... Fy = 45,000 psi
PILING STEEL SHEET PERMANENT:
- MINIMUM SECTION MODULUS..... Sx = 30.20 in^3/ft
- MAXIMUM SECTION DEPTH..... d = 15.00 in
- YIELD STRENGTH ASTM A572, GRADE 50..... Fy = 50,000 psi

FOUNDATION DATA

USING THE MODIFIED GATES ACCEPTANCE METHOD:

ABUTMENTS AND PIER SHALL BE SUPPORTED ON 14" DIA. CIP CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES ACCEPTANCE METHOD.

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.50 USING MODIFIED GATES ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:
- SOUTH ABUTMENT ..... 64 FEET
- NORTH ABUTMENT ..... 68 FEET
- PIER ..... 55 FEET

TRAFFIC DATA

USH 45 NB
ADT = 42,200 (2015)
ADT = 65,500 (2035)
RDS = 60 MPH

IH 94 EB
ADT = 36,400 (2015)
ADT = 44,900 (2035)
RDS = 60 MPH

IH 94 WB
ADT = 34,600 (2015)
ADT = 44,900 (2035)
RDS = 60 MPH

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/07/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
RAMANJANEYULU TATIRAJU
E-43041-6
WAUKESHA
WISCONSIN
PROFESSIONAL ENGINEER
05/01/2014

STRUCTURE B-40-791

USH 45 NB BRIDGE OVER IH 94

COUNTY	CITY
MILWAUKEE	MILWAUKEE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	RT	DESIGN CK'D.	SWS	DRAWN BY	MM	PLANS CK'D.	MHZ

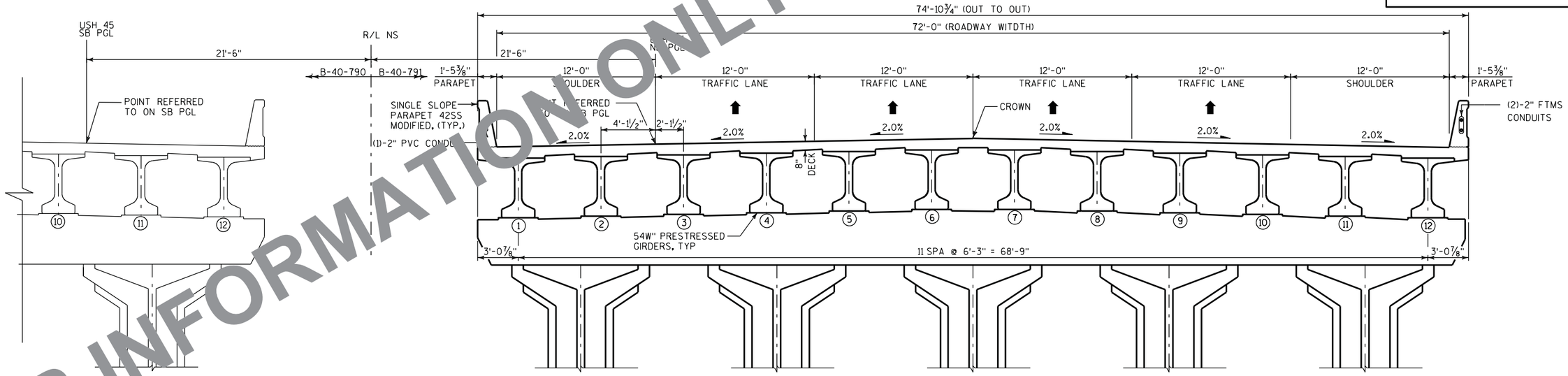
GENERAL PLAN & ELEVATION

SHEET 1 OF 28

6525

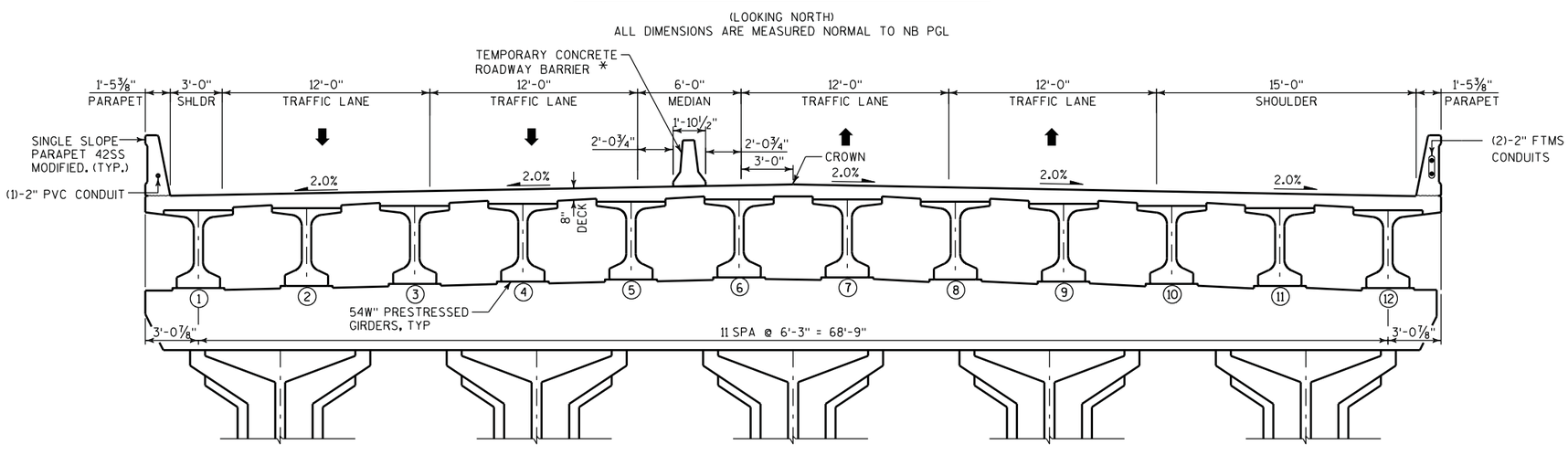
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



BRIDGE FINAL CROSS SECTION B-40-791

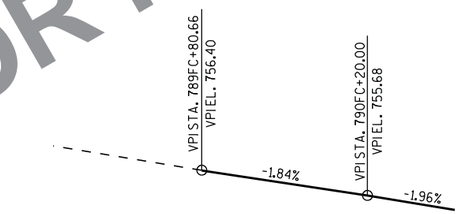
(LOOKING NORTH)
ALL DIMENSIONS ARE MEASURED NORMAL TO NB PGL



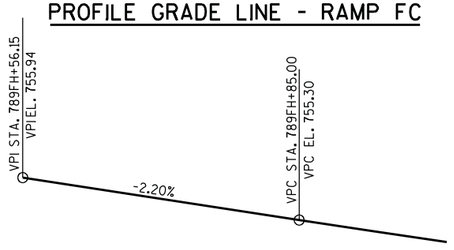
BRIDGE INTERIM CROSS SECTION B-40-791

(LOOKING NORTH)

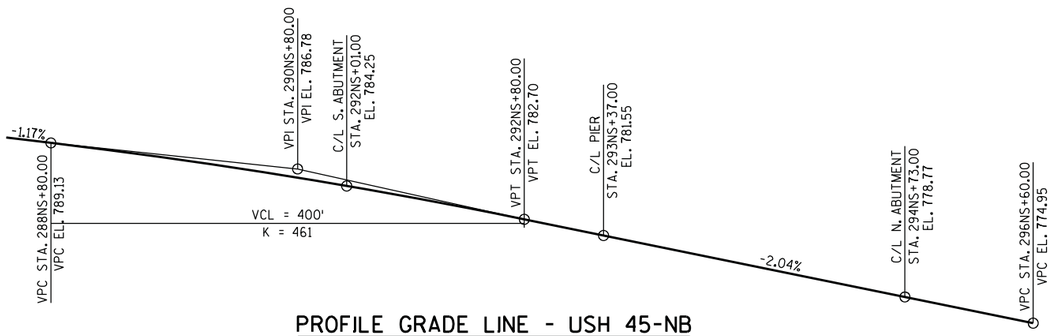
* ONLY UNANCHORED TEMPORARY CONCRETE BARRIER ALLOWED



PROFILE GRADE LINE - RAMP FC



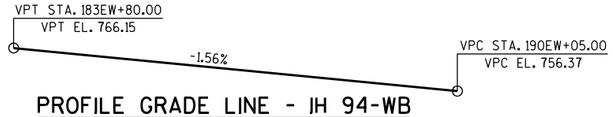
PROFILE GRADE LINE - RAMP FH



PROFILE GRADE LINE - USH 45-NB



PROFILE GRADE LINE - IH 94-EB



PROFILE GRADE LINE - IH 94-WB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-791

DRAWN BY: RT | PLANS CK'D.: MHZ

CROSS SECTION & PROFILE GRADE LINES

SHEET 2 OF 28

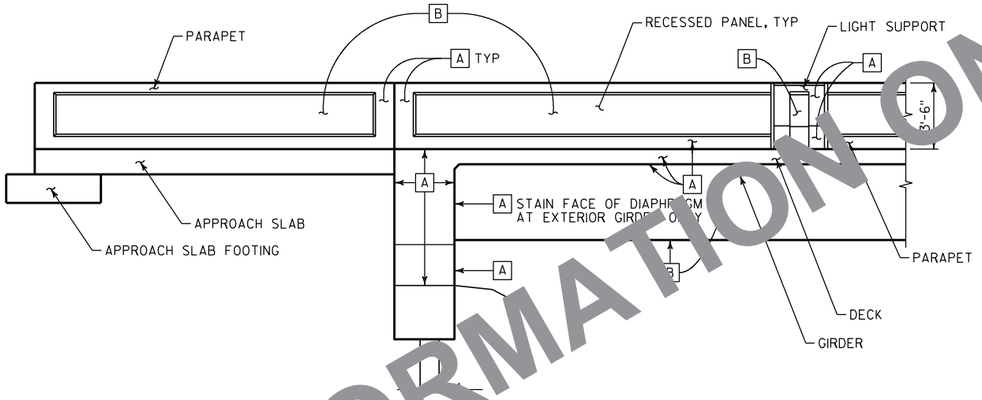
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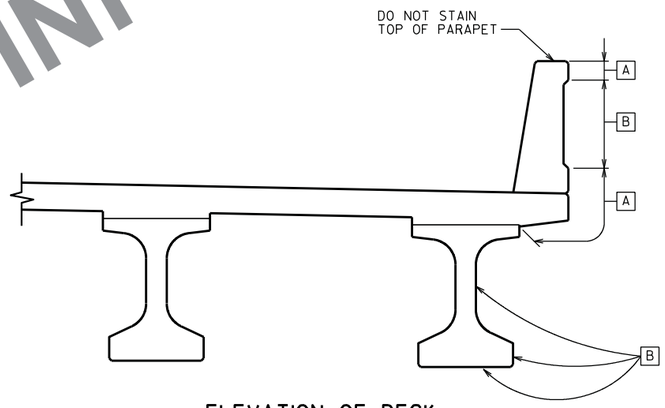
FOR INFORMATION ONLY

STATE PROJECT NUMBER

1060-33-80



OUTSIDE ELEVATION OF PARAPET



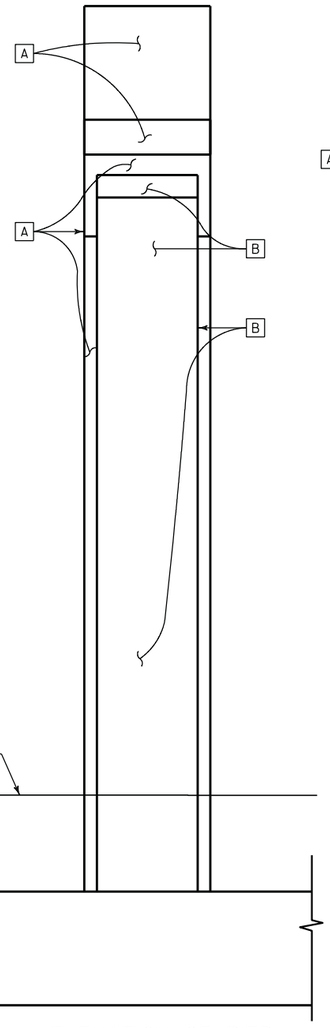
ELEVATION OF DECK

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		SIDEWALKS	FASCIA & EXPOSED UNDERSIDE
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO 6" BELOW TOP OF SLOPE PAVING OR TOP OF PROPOSED GROUND
		PIER	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM AND COLUMNS TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON BOTH SIDES
		GIRDERS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS
		PIER	REVEALS ON COLUMNS

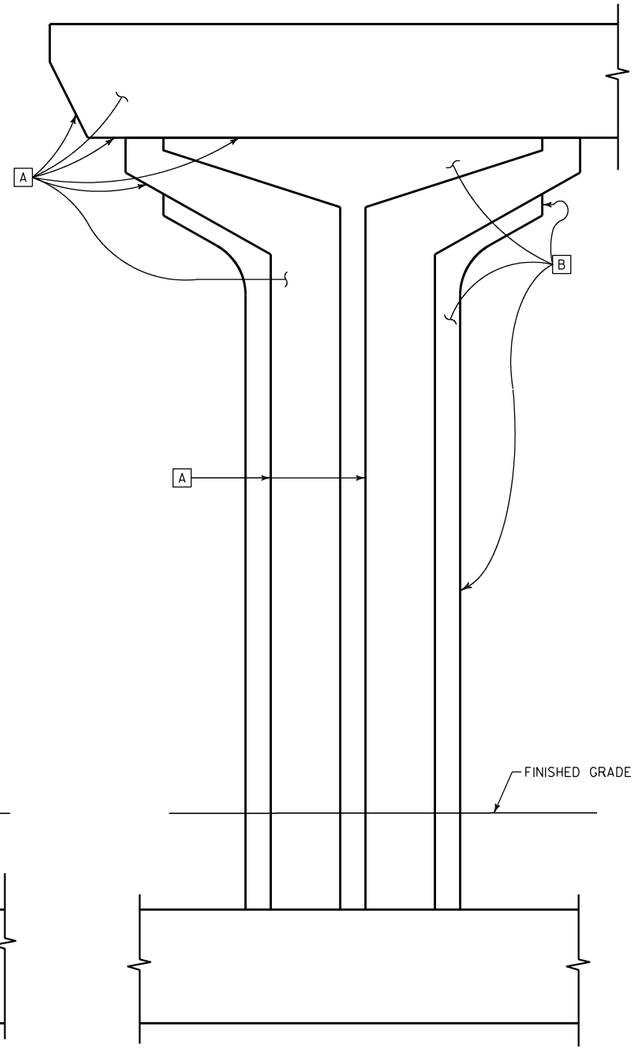
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:

BASE COLOR : FEDERAL COLOR - 36424
ACCENT COLOR #1: FEDERAL COLOR - 33522



ELEVATION OF PIER

(END VIEW)



ELEVATION OF PIER

(FRONT VIEW)

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-791

DRAWN BY RT | PLANS CK'D. MHZ

AESTHETIC DETAILS

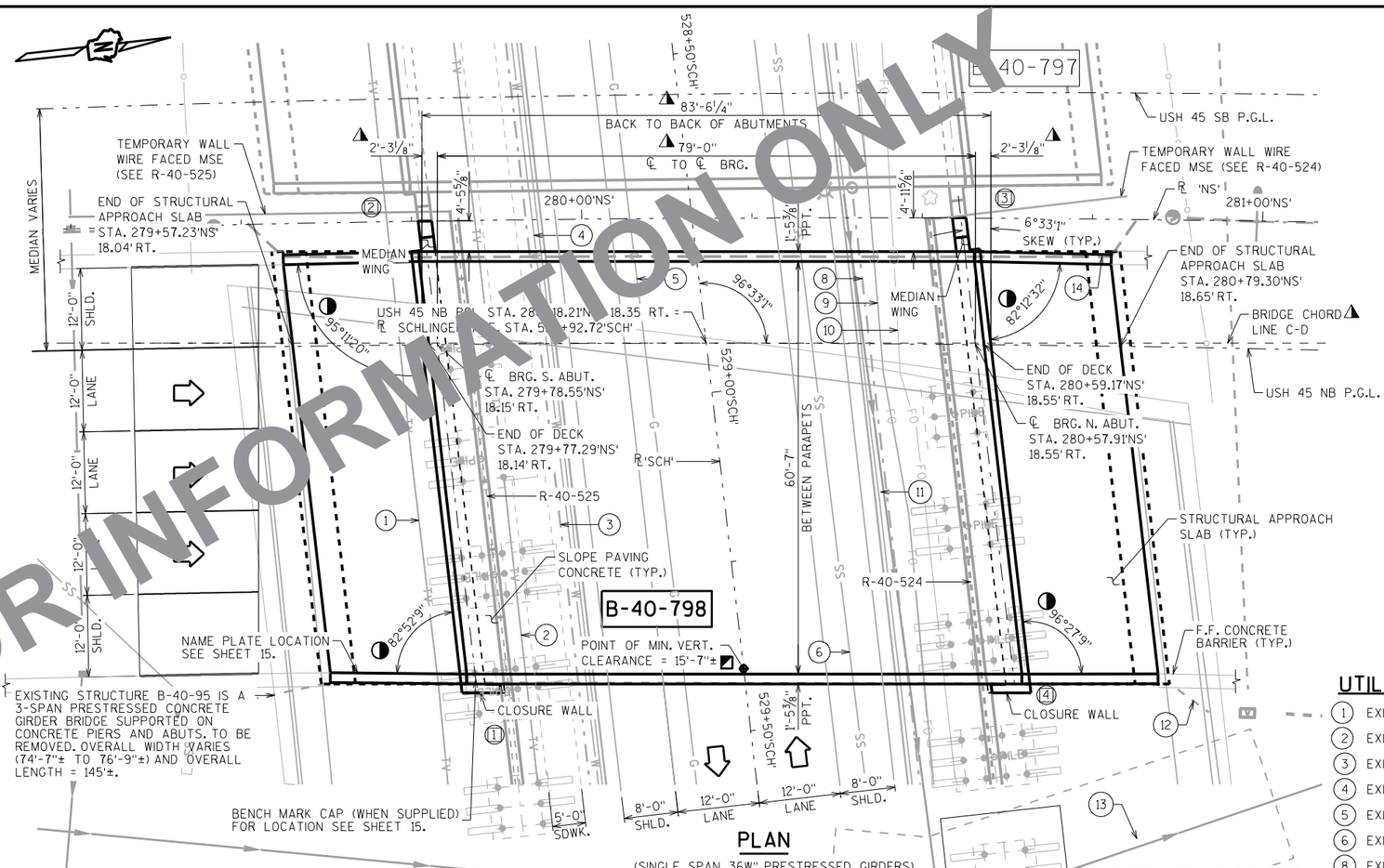
SHEET 28 OF 28

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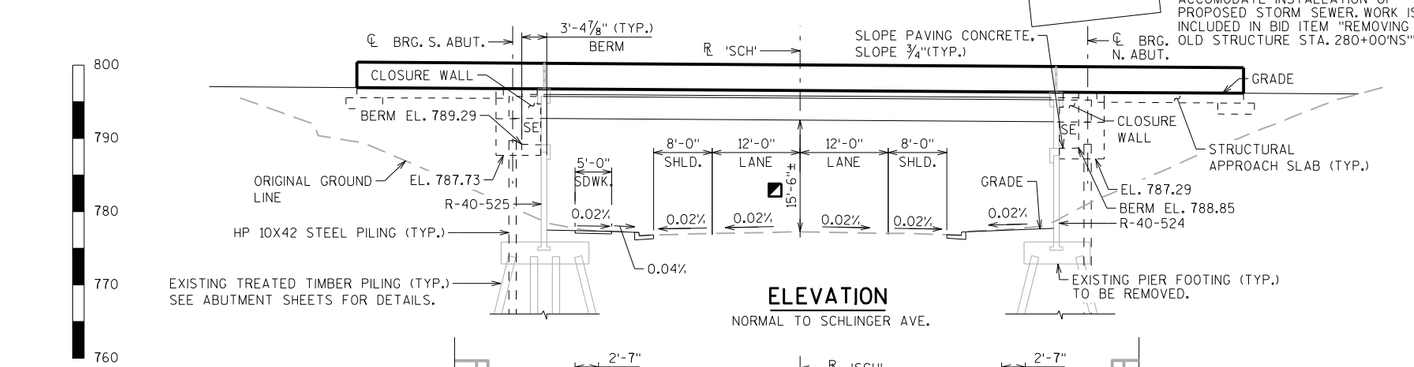
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



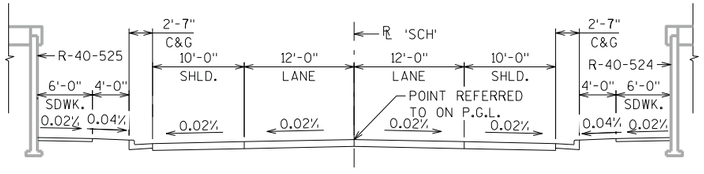
PLAN

(SINGLE SPAN 36W" PRESTRESSED GIRDERS)



ELEVATION

NORMAL TO SCHLINGER AVE.



TYPICAL FINISHED SECTION THRU SCHLINGER AVE.

LOOKING WEST (CONSTRUCTED UNDER FUTURE CONTRACT 1060-30-88)

INDICATES WING NUMBER

▲ DIMENSIONS ARE MEASURED ALONG BRIDGE CHORD LINE C-D. SEE CHORD LINE LAYOUT ON "CROSS SECTION & QUANTITIES" SHEET.

◪ ULTIMATE MIN. VERT. CLEARNACE IS 15'-7"±. INTERIM MIN. VERT. CLEARANCE IS 15'-6"±.

◑ APPROACH SLABS PPTS. ANGLED TO MEET F.F. OF CONCRETE BARRIER (TYP.)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.11
OPERATING RATING FACTOR: RF=1.44
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 230 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

B-40-798 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'c = 4,000 P.S.I.
	SUBSTRUCTURE	f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60		fy = 60,000 P.S.I.
STAINLESS STEEL BAR REINFORCEMENT, GRADE 60		fy = 60,000 P.S.I.
36W" PRESTRESSED GIRDERS, CONCRETE MASONRY STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.		f'c = 8,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING. REQUIRED DRIVING RESISTANCE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD:

SOUTH ABUTMENT ____ 175 TONS PER PILE
NORTH ABUTMENT ____ 175 TONS PER PILE

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:

SOUTH ABUTMENT ____ 100 FEET
NORTH ABUTMENT ____ 95 FEET

UTILITY NOTES

1. EXISTING TIME WARNER CABLE TV LINE ABANDONED IN PLACE
2. EXISTING TIME WARNER CABLE TV LINE ABANDONED IN PLACE
3. EXISTING CITY OF WEST ALLIS LIGHTING CABLE TO BE RELOCATED
4. EXISTING CITY OF WEST ALLIS WATER TO REMAIN
5. EXISTING WE ENERGIES GAS MAIN TO REMAIN
6. EXISTNG WISDOT STORM SEWER TO BE RELOCATED
8. EXISTING CITY OF WEST ALLIS LIGHTING CABLE ABANDONED IN PLACE
9. EXISTING AT&T CORP FIBER OPTIC ABANDONED IN PLACE
10. EXISTING TCA FIBER OPTIC TO BE RELOCATED
11. PROPOSED WISDOT STORM SEWER 24" ϕ
12. PROPOSED WISDOT FTMS CONDUIT
13. PROPOSED WISDOT STORM SEWER 60" ϕ
14. PROPOSED WISDOT LIGHTING CONDUIT

TRAFFIC VOLUME

USH 45 NB 'NS'	SCHLINGER AVE. 'SCH'
A.D.T.=59,900 (2035)	A.D.T.=3,800 (2035)
R.D.S.=60 M.P.H.	R.D.S.=30 M.P.H.

CURVE DATA

℞ 'NS'- USH 45

P.I. = STA. 281+16.88 'NS'
Δ = 15° 24' 03.44" RT.
D = 1° 24' 27.93"
T = 550.32
L = 1094.01
R = 4070.00
S.E. = 3.5%
P.C. = STA. 275+66.56 'NS'
P.T. = STA. 286+60.56 'NS'

STRUCTURE DESIGN CONTACTS:

RUTH COISMAN	(608) 261-8205
LAURA SHADEWALD	(608) 267-9592

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUTMENT DETAILS
6. NORTH ABUTMENT
7. NORTH ABUTMENT DETAILS
8. 36W" PRESTRESSED GIRDER
9. 36W" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. STRUCTURAL APPROACH SLAB - SOUTH ABUTMENT
14. STRUCTURAL APPROACH SLAB - NORTH ABUTMENT
15. SINGLE SLOPE PARAPET 42SS (MODIFIED)
16. PARAPET 42SS ELECTRICAL WORK
17. PIPE RAILING DETAILS
18. ALTERNATE CONSTRUCTION JOINT
19. AESTHETIC DETAILS

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS 5/8/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-798

US 45 NB OVER SCHLINGER AVE.

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: WEST ALLIS
DESIGN SPEC.: AASHTO LRFD DESIGN SPEC.	
DESIGNED BY: RAC	DESIGN CK'D.: TAB
DRAWN BY: RAC	PLANS CK'D.: TAB

GENERAL PLAN

SHEET 1 OF 19

6528

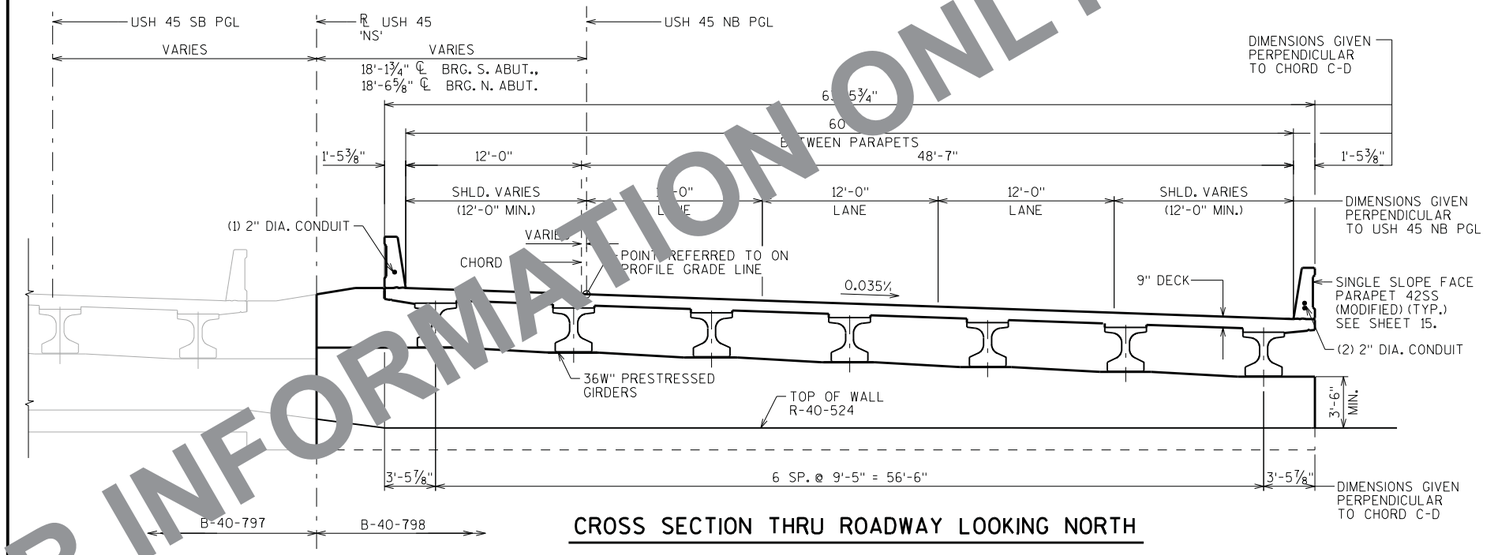
I.D. 1060-33-07C

DATE: MAY 2014

SCALE = 10

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



CROSS SECTION THRU ROADWAY LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH APPROACH SLAB	SOUTH ABUT.	NORTH ABUT.	NORTH APPROACH SLAB	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 280+00'NS'	LS						1
203.0210.S.0006	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-40-95	LS						1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-40-798	LS						1
210.0100	BACKFILL STRUCTURE	CY			190	190		380
305.0120	BASE AGGREGATE DENSE 1¼-INCH	TON		190			190	380
502.0100	CONCRETE MASONRY BRIDGES	CY		18	57	57	18	150
502.3200	PROTECTIVE SURFACE TREATMENT	SY	630	175			175	980
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	560					560
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB			4,230	4,240		8,470
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	36,260	14,350	400	420	14,350	65,780
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH			7	7		14
506.4000	STEEL DIAPHRAGMS B-40-798	EACH	6					6
513.2000	PIPE RAILING B-40-798	LS						1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY			17	17		34
550.0500	PILE POINTS	EACH			12	12		24
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF			1,200	1,140		2,340
604.0400	SLOPE PAVING CONCRETE	SY			20	20		40
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	18	60			60	138
652.0225	CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH	LF	230					230
SPV.0035.4000	HPC MASONRY STRUCTURES	CY	235	69			69	373
SPV.0060.4110	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH			2	2		4
SPV.0060.4115	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH			2	2		4
SPV.0085.4300	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	2,210					2,210
SPV.0165.4700	LONGITUDINAL GROOVING BRIDGE DECK	SF	4,939	1,205			1,207	7,351
	NON-BID ITEMS							
	FILLER	SIZE	——	——	——			½" & ¾"

ALL ITEMS ARE CATEGORY 2040

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL ALL EXPOSED EDGES 3/4" UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007). ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND TOP OF APPROACH SLAB SURFACE AND THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

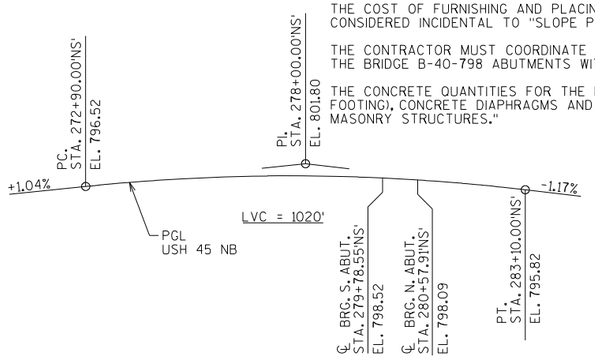
EMBEDDED CONDUIT IN THE WEST & EAST PARAPETS FOR FUTURE LIGHTING OF USH 45 AND FTMS ARE INCLUDED IN THE BRIDGE PLANS.

THE EXISTING BRIDGE B-40-95 IS A THREE SPAN PRESTRESSED CONCRETE GIRDER BRIDGE. THE ENTIRE STRUCTURE SHALL BE REMOVED. EXISTING PILING WITHIN THE FOOTPRINT OF THE PROPOSED MSE WALLS AT THE ABUTMENTS SHALL BE CUT OFF 1'-0" BELOW THE BOTTOM OF THE PROPOSED MSE LEVELING PAD. SEE R-40-524 AND R-40-525 PLANS FOR PROPOSED BOTTOM OF LEVELING PAD ELEVATIONS. DRIVE THE PROPOSED PILES FOR THE NEW ABUTMENTS WITHOUT REMOVING ANY EXISTING PILES THAT ARE LOCATED WITHIN THE FOOTPRINT OF THE PROPOSED ABUTMENTS. SEE ABUTMENT SHEETS FOR DETAILS. ALL OTHER EXISTING PILING, EXCEPT FOR EXISTING NORTHEAST COLUMN OF PIER 2 PILING, SHALL BE CUT OFF 2'-0" BELOW SUBGRADE. SEE THE "GENERAL PLAN" SHEET FOR THE EXISTING NORTHEAST COLUMN OF PIER 2 REMOVAL DETAILS. ALL REMOVAL WORK IS INCLUDED IN BID ITEM "REMOVING OLD STRUCTURE STA. 280+00'NS'".

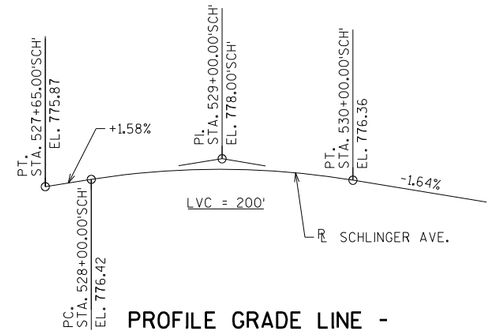
THE COST OF FURNISHING AND PLACING THE SIZE 2 COARSE AGGREGATE UNDER THE SLOPE PAVING SHALL BE CONSIDERED INCIDENTAL TO "SLOPE PAVING CONCRETE."

THE CONTRACTOR MUST COORDINATE THE REMOVAL OF EXISTING STRUCTURE B-40-95 AND CONSTRUCTION OF THE BRIDGE B-40-798 ABUTMENTS WITH RETAINING WALLS R-40-524 AND R-40-525.

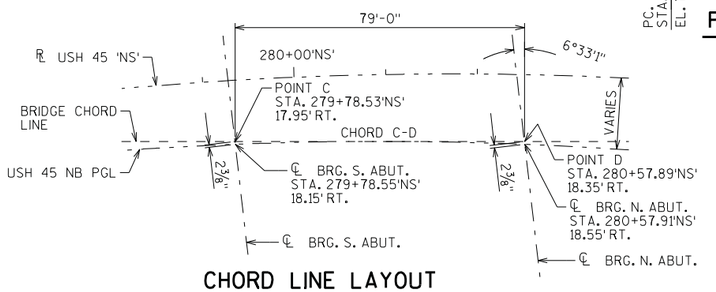
THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTURES."



PROFILE GRADE LINE - USH 45 'NS'



PROFILE GRADE LINE - SCHLINGER AVENUE



CHORD LINE LAYOUT

NOTE: NOT DRAWN TO SCALE. CURVATURE EXAGGERATED FOR CLARITY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-798

DRAWN BY RAC | PLANS CK'D. TAB

CROSS SECTION & QUANTITIES

SHEET 2

6529

8

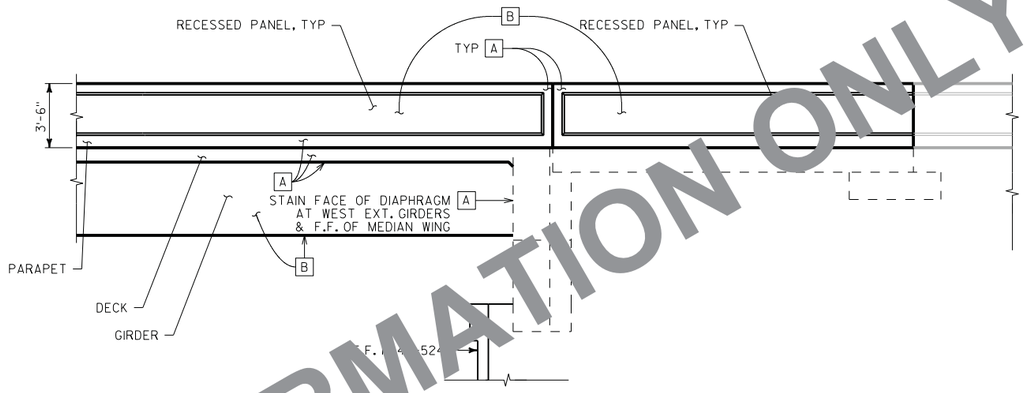
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SCALE = 5

FOR INFORMATION ONLY

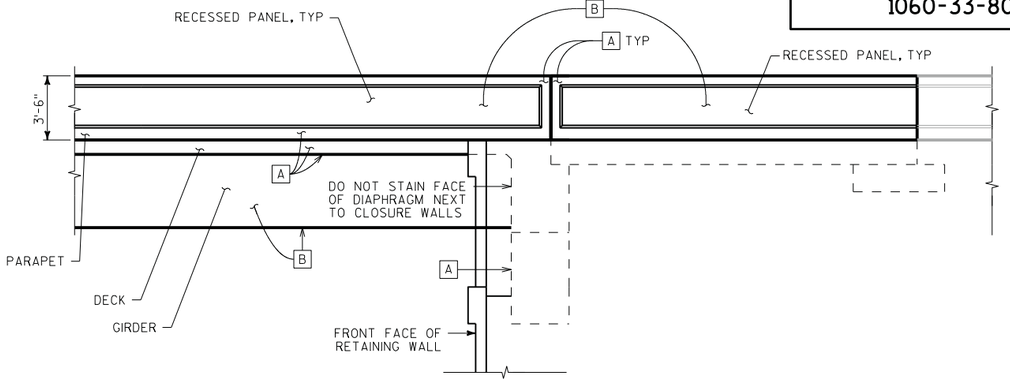
STATE PROJECT NUMBER

1060-33-80



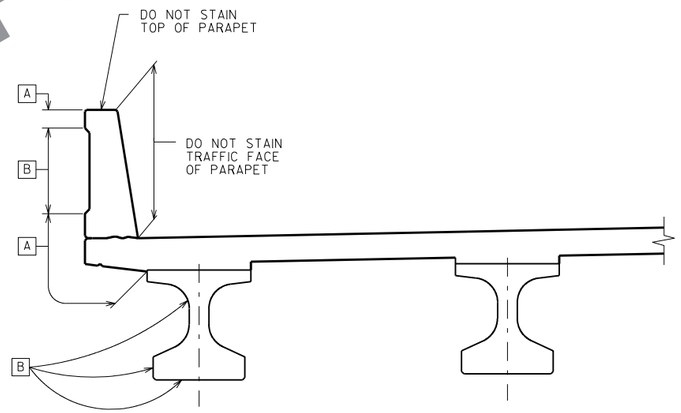
OUTSIDE ELEVATION OF PARAPET & APPROACH SLAB AT MEDIAN WINGS

LOOKING EAST
(MEDIAN WING 2 SHOWN, MEDIAN WING 3 SIMILAR)

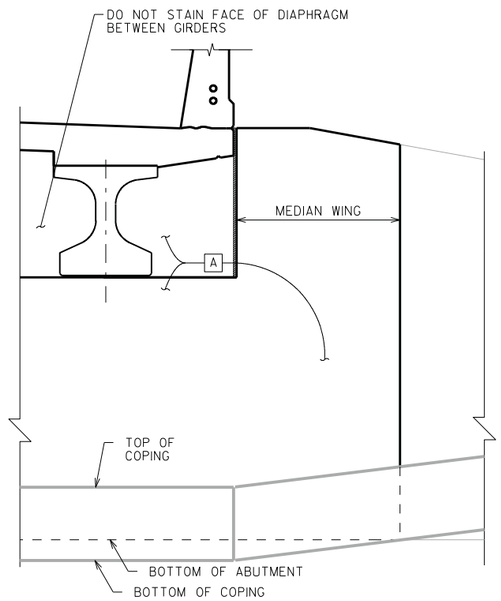


OUTSIDE ELEVATION OF PARAPET & APPROACH SLAB AT CLOSURE WALLS

LOOKING WEST
(CLOSURE WALL 4 SHOWN, CLOSURE WALL 1 SIMILAR)

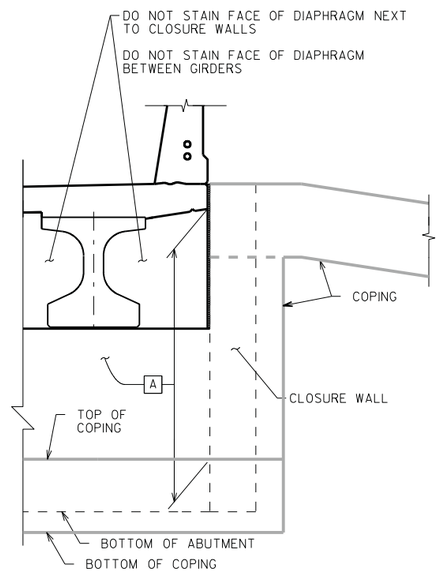


ELEVATION OF DECK



ELEVATION OF MEDIAN WING

LOOKING SOUTH
(MEDIAN WING 2 SHOWN, MEDIAN WING 3 SIMILAR)



ELEVATION OF CLOSURE WALL

LOOKING NORTH
(CLOSURE WALL 4 SHOWN, CLOSURE WALL 1 SIMILAR)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE OF BODY FROM TOP OF BODY TO TOP OF SLOPE PAVING, INTERIOR FACE OF CLOSURE WALL FROM BOTTOM OF DECK TO TOP OF SLOPE PAVING, FRONT FACE OF DIAPHRAGM AT WEST EXT. GIRDERS, FRONT FACE OF MEDIAN WINGS
B	ACCENT COLOR #1	GIRDERS, PARAPETS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS, REVEALS ON PARAPETS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW.

BASE COLOR : FEDERAL COLOR - #33564
ACCENT COLOR #1: FEDERAL COLOR - #33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-798

DRAWN BY RAC | PLANS CK'D. TAB

AESTHETIC DETAILS

SHEET 19

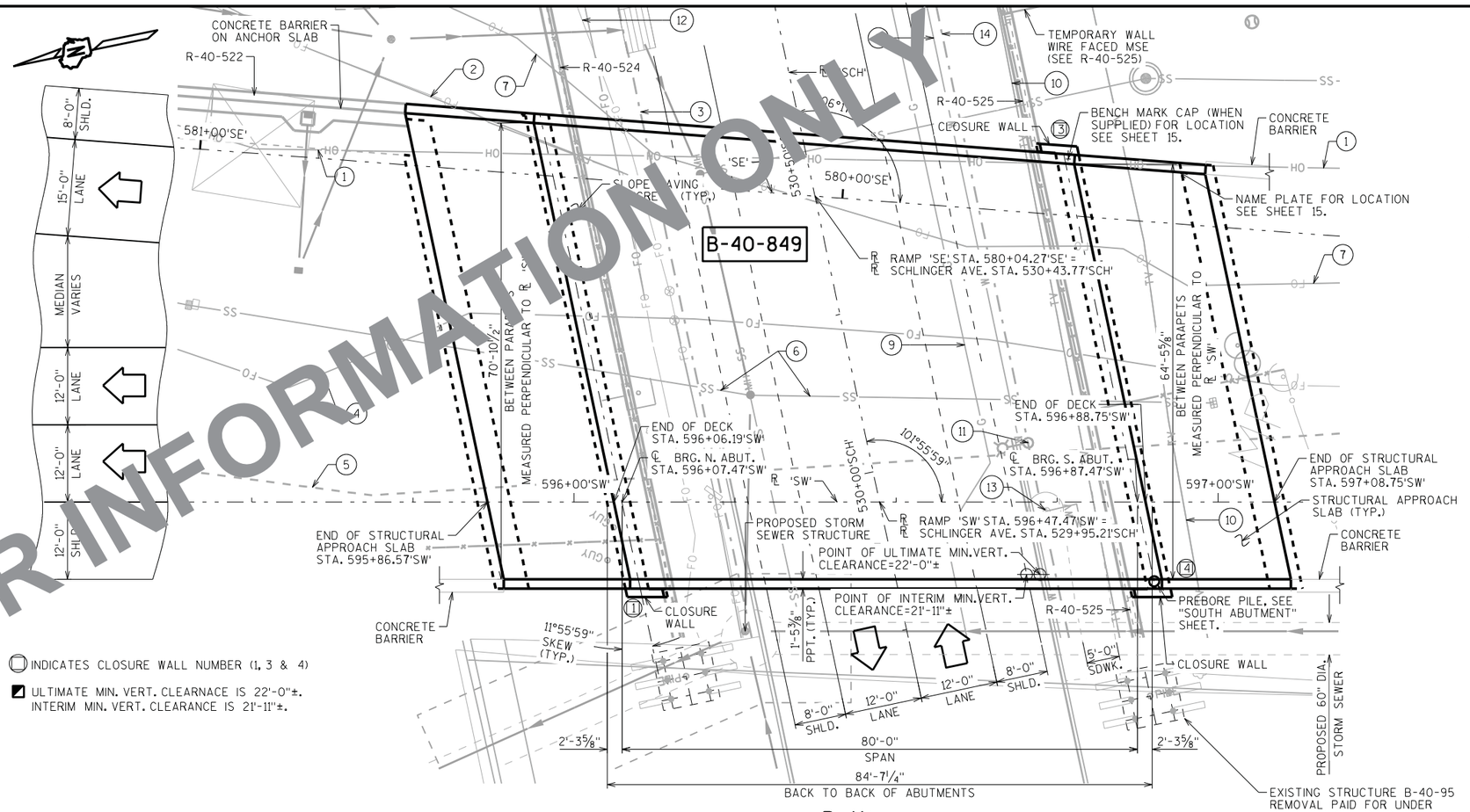
6530

SCALE = 4

FOR INFORMATION ONLY

STATE PROJECT NUMBER

1060-33-80

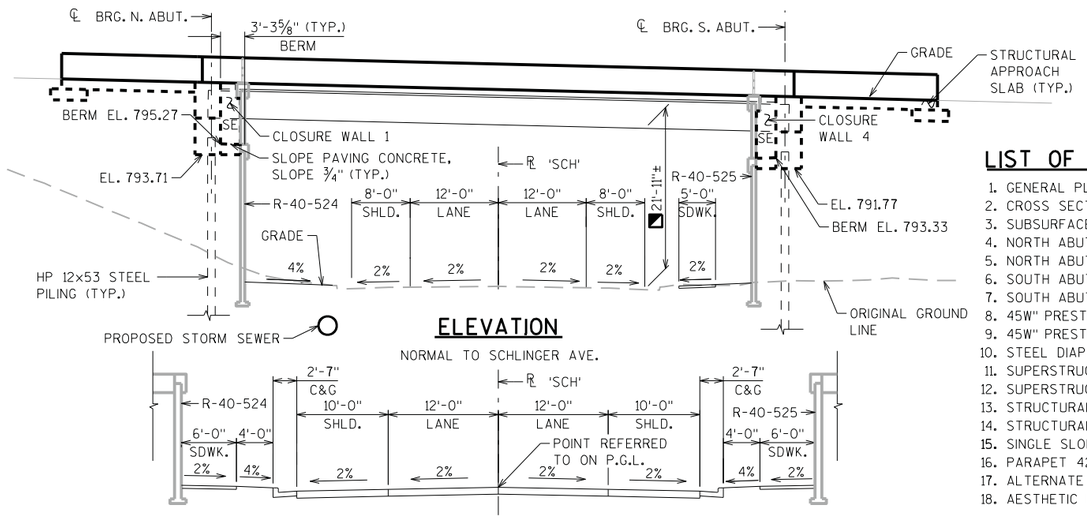


INDICATES CLOSURE WALL NUMBER (1, 3 & 4)

ULTIMATE MIN. VERT. CLEARNACE IS 22'-0"±.
INTERIM MIN. VERT. CLEARANCE IS 21'-11"±.

PLAN

(SINGLE SPAN 45W" PRESTRESSED GIRDERS)



ELEVATION

NORMAL TO SCHLINGER AVE.

TYPICAL FINISHED SECTION THRU SCHLINGER AVE.

LOOKING EAST (CONSTRUCTED UNDER FUTURE CONTRACT 1060-33-88)

UTILITY NOTES

1. EXISTING ATC OVERHEAD ELECTRIC TO BE RELOCATED
2. EXISTING TCA FIBER OPTIC LINE TO REMAIN
3. EXISTING CITY OF WEST ALLIS LIGHTING CABLE TO BE ABANDONED
4. EXISTING AT&T CORP FIBER OPTIC LINE TO BE RELOCATED
5. EXISTING WISDOT FTMS CONDUIT TO BE RELOCATED
6. EXISTING WISDOT STORM SEWER TO BE REMOVED
7. EXISTING WINDSTREAM FIBER OPTIC LINE TO BE RELOCATED
8. EXISTING CITY OF WEST ALLIS WATER TO REMAIN
9. EXISTING WE ENERGIES GAS MAIN TO REMAIN
10. EXISTING TIME WARNER CABLE TV LINE ABANDONED IN PLACE
11. EXISTING TIME WARNER CABLE TV LINE ABANDONED IN PLACE
12. EXISTING AT&T CORP FIBER OPTIC TO BE ABANDONED
13. EXISTING CITY OF WEST ALLIS HYDRANT TO REMAIN
14. EXISTING CITY OF WEST ALLIS LIGHTING CABLE TO BE ABANDONED

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.06
OPERATING RATING FACTOR: RF=1.37
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

B-40-849 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'c = 4,000 P.S.I.
	ALL OTHER	f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60		fy = 60,000 P.S.I.
STAINLESS STEEL BAR REINFORCEMENT, GRADE 60		fy = 60,000 P.S.I.
45W" PRESTRESSED GIRDERS, CONCRETE MASONRY		f'c = 8,000 P.S.I.
	STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.	

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 12X53 STEEL PILING. REQUIRED DRIVNG RESISTANCE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD:

NORTH ABUTMENT ——— 205 TONS PER PILE
SOUTH ABUTMENT ——— 200 TONS PER PILE

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:
NORTH ABUTMENT ——— 75 FEET
SOUTH ABUTMENT, PILE NO. 1 THRU PILE NO. 9 ——— 60 FEET
SOUTH ABUTMENT, PILE NO. 10 ——— 85 FEET

TRAFFIC VOLUME

RAMPS 'SW'/'SE'	SCHLINGER AVE. 'SCH'
A.D.T.=50,500 (2035)	A.D.T.=3,800 (2035)
R.D.S.=50 M.P.H.	R.D.S.=30 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. NORTH ABUTMENT
5. NORTH ABUTMENT DETAILS
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT DETAILS
8. 45W" PRESTRESSED GIRDER
9. 45W" PRESTRESSED GIRDER DETAILS
10. STEEL DIAPHRAGM
11. SUPERSTRUCTURE
12. SUPERSTRUCTURE DETAILS
13. STRUCTURAL APPROACH SLAB - NORTH ABUTMENT
14. STRUCTURAL APPROACH SLAB - SOUTH ABUTMENT
15. SINGLE SLOPE PARAPET 42SS (MODIFIED)
16. PARAPET 42SS ELECTRICAL WORK
17. ALTERNATE CONSTRUCTION JOINT
18. AESTHETIC DETAILS

STRUCTURE DESIGN CONTACTS:
RUTH COISMAN (608) 261-8205
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — 5/8/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-849

USH 45 SW / SE RAMP OVER SCHLINGER AVE.

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: WEST ALLIS
DESIGN SPEC.: AASHTO LRFD DESIGN SPEC.	
DESIGNED BY: RAC	DESIGN CK'D.: JDL
DRAWN BY: RAC	PLANS CK'D.: JDL

GENERAL PLAN

SHEET 1 OF 18

6531

I.D. 1060-33-07M

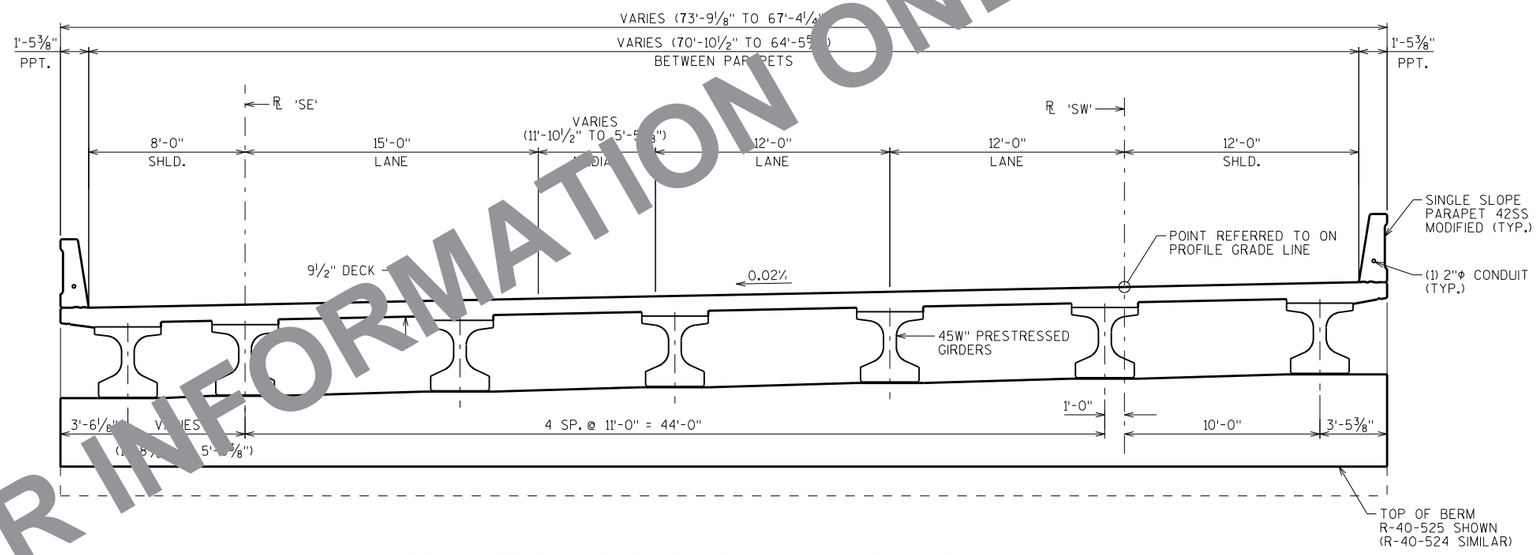
DATE: MAY 2014

SCALE = 10

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8

FOR INFORMATION ONLY



CROSS SECTION THRU ROADWAY LOOKING SOUTH

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206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-40-849	LS	—	—	—	—	—	1
210.0100	BACKFILL STRUCTURE	CY	—	—	190	190	—	380
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	—	210	—	—	200	410
502.0100	CONCRETE MASONRY BRIDGES	CY	—	20	57	55	19	151
502.3200	PROTECTIVE SURFACE TREATMENT	SY	705	195	—	—	180	1,080
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF	569	—	—	—	—	569
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	—	—	4,320	3,990	—	8,310
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	44,660	16,470	240	460	15,250	77,080
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	—	—	7	7	—	14
506.4000	STEEL DIAPHRAGMS B-40-849	EACH	6	—	—	—	—	6
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	—	—	17	18	—	35
550.0010	PRE-BORING UNCONSOLIDATED MATERIALS	LF	—	—	—	25	—	25
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	—	—	750	625	—	1,375
604.0400	SLOPE PAVING CONCRETE	SY	—	—	22	20	—	42
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	12	41	—	—	41	94
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	155	—	—	—	—	155
SPV.0035.4000	HPC MASONRY STRUCTURES	CY	281	78	—	—	72	431
SPV.0060.4110	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	—	—	2	3	—	5
SPV.0060.4115	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	—	—	2	3	—	5
SPV.0085.4300	BAR STEEL REINFORCEMENT HS STAINLESS BRIDGES	LB	2,380	—	—	—	—	2,380
SPV.0165.4700	LONGITUDINAL GROOVING BRIDGE DECK	SF	5,590	1,410	—	—	1,270	8,270
	NON-BID ITEMS							
	FILLER	SIZE	—	—	—	—	—	1/2", 3/4", 1", 1 1/2"
	EXPANDED POLYSTYRENE	SIZE	—	—	—	—	—	1"

ALL ITEMS ARE CATEGORY 2050

GENERAL NOTES

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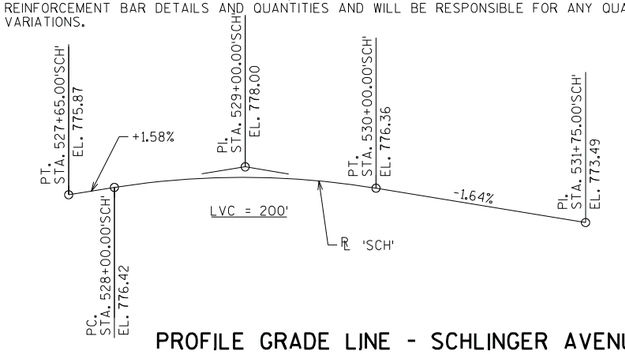
EMBEDDED CONDUIT IN THE WEST AND EAST PARAPETS IS FOR FUTURE LIGHTING OF RAMP 'SW'.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COARSE AGGREGATE UNDER THE SLOPE PAVING SHALL BE INCIDENTAL TO "SLOPE PAVING CONCRETE."

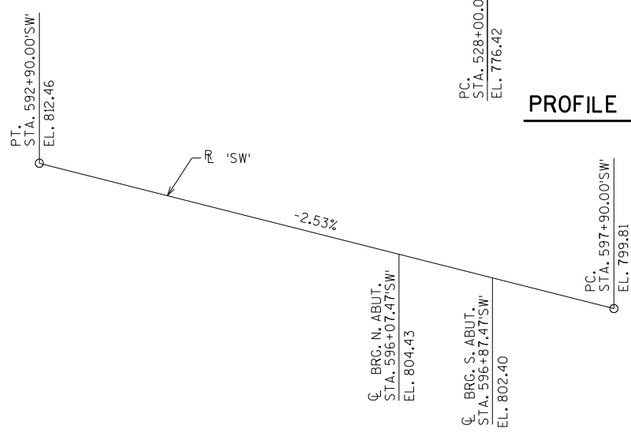
THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTURES."

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-40-849 ABUTMENTS WITH RETAINING WALLS R-40-522, R-40-524 AND R-40-525.

PLANS, DIMENSIONS, QUANTITIES AND REINFORCEMENT DETAILS ARE BASED ON AN ASSUMED CONCRETE WALL PANEL THICKNESS FOR R-40-524/525 OF 7 1/2 INCHES. FOR PANEL THICKNESSES OTHER THAN 7 1/2 INCHES, THE CONTRACTOR SHALL VERIFY CLOSURE WALL REINFORCEMENT BAR DETAILS AND QUANTITIES AND WILL BE RESPONSIBLE FOR ANY QUANTITY VARIATIONS.



PROFILE GRADE LINE - SCHLINGER AVENUE



PROFILE GRADE LINE - RAMP 'SW'

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-849

DRAWN BY RAC | PLANS CK'D. JDL

CROSS SECTION & QUANTITIES

SHEET 2

6532

STATE PROJECT NUMBER

1060-33-80

8

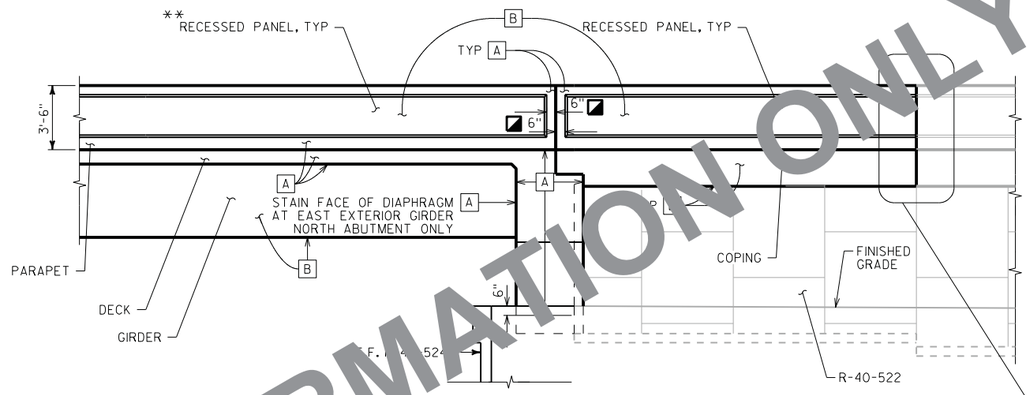
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SCALE = 7.5

FOR INFORMATION ONLY

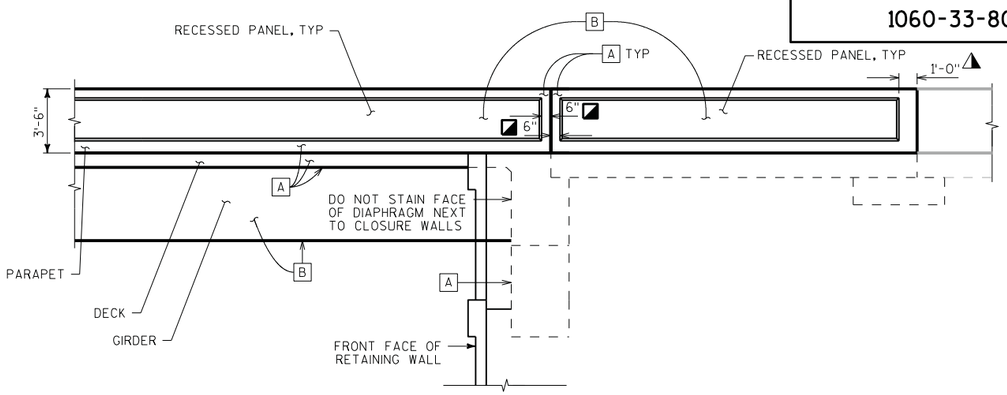
STATE PROJECT NUMBER

1060-33-80



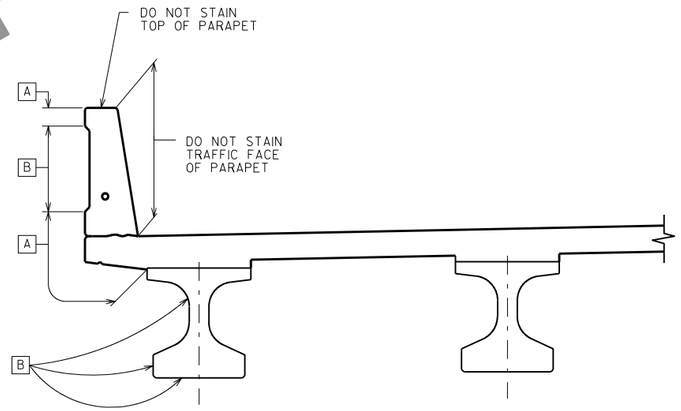
OUTSIDE ELEVATION OF PARAPET & APPROACH SLAB

LOOKING WEST
(NORTH ABUTMENT AT R-40-522)

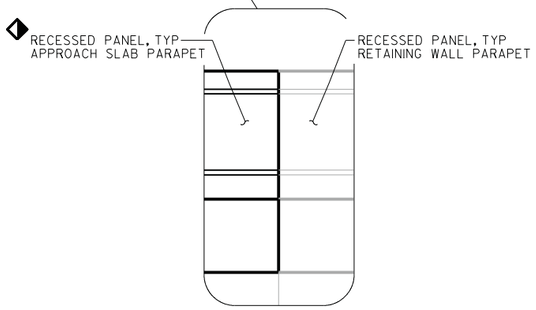


OUTSIDE ELEVATION OF PARAPET & APPROACH SLAB AT CLOSURE WALLS

LOOKING EAST
(CLOSURE WALL 4 SHOWN, CLOSURE WALLS 1 & 3 SIMILAR)



ELEVATION OF DECK

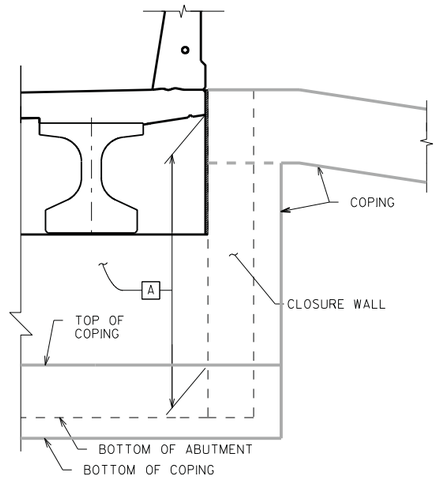


OUTSIDE ELEVATION OF APPROACH SLAB ADJACENT TO RETAINING WALL

◪ THE RECESSED PANEL ENDS 6" FROM THE END OF PARAPET WHEN THE PARAPET IS ADJACENT TO THE END OF BRIDGE DECK.

◭ THE RECESSED PANEL ENDS 1'-0" FROM THE END OF THE PARAPET WHEN THE PARAPET IS ADJACENT TO ROADWAY BARRIER.

◆ THE RECESSED PANEL ENDS AT THE END OF PARAPET WHEN THE PARAPET IS ADJACENT TO A RETAINING WALL.



ELEVATION OF CLOSURE WALL

(LOOKING SOUTH)
(CLOSURE WALL 4 SHOWN, CLOSURE WALLS 1 & 3 SIMILAR)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF SLOPE PAVING, INTERIOR FACE OF CLOSURE WALL FROM BOTTOM OF DECK TO TOP OF SLOPE PAVING, EXTERIOR FACE OF BODY & DIAPHRAGM FROM BOTTOM OF DECK TO 6" BELOW FINISHED GRADE.
B	ACCENT COLOR #1	GIRDERS, PARAPETS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS, REVEALS ON PARAPETS
		COPING	FACE & UNDERSIDE

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW.

BASE COLOR : FEDERAL COLOR - #33564
ACCENT COLOR #1: FEDERAL COLOR - #33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-849

DRAWN BY RAC | PLANS CK'D. JDL

AESTHETIC DETAILS

SHEET 18

6533

SCALE = 4

8

8

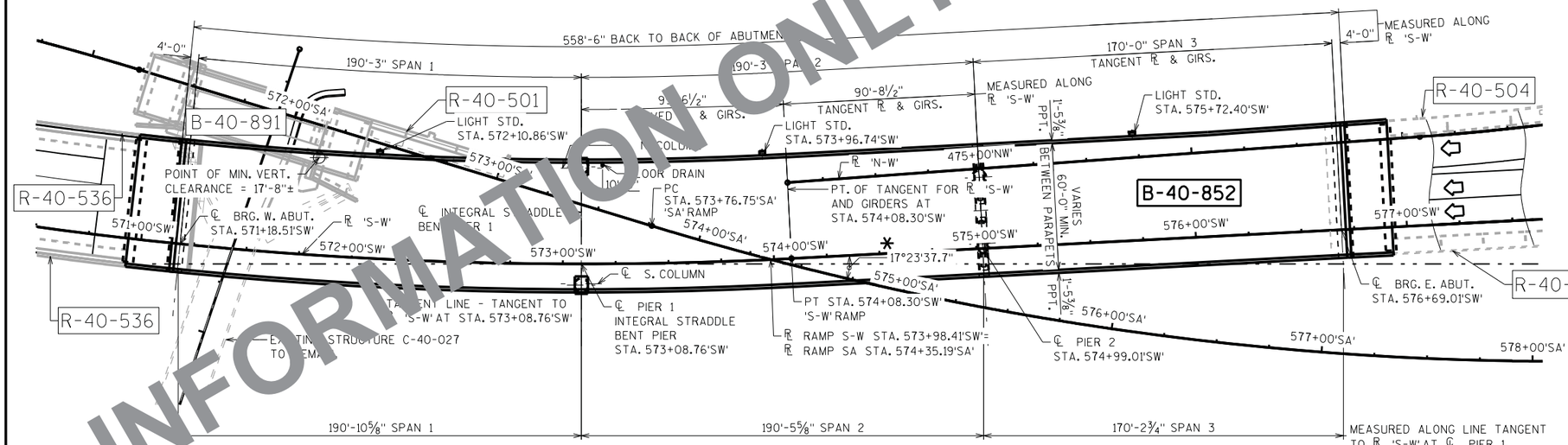
FOR INFORMATION ONLY

* ANGLE BETWEEN TANGENTS OF REFERENCE LINES AT POINT OF INTERSECTION

NOTE: ALL SUBSTRUCTURE UNITS ARE NORMAL TO ℄ 'S-W'

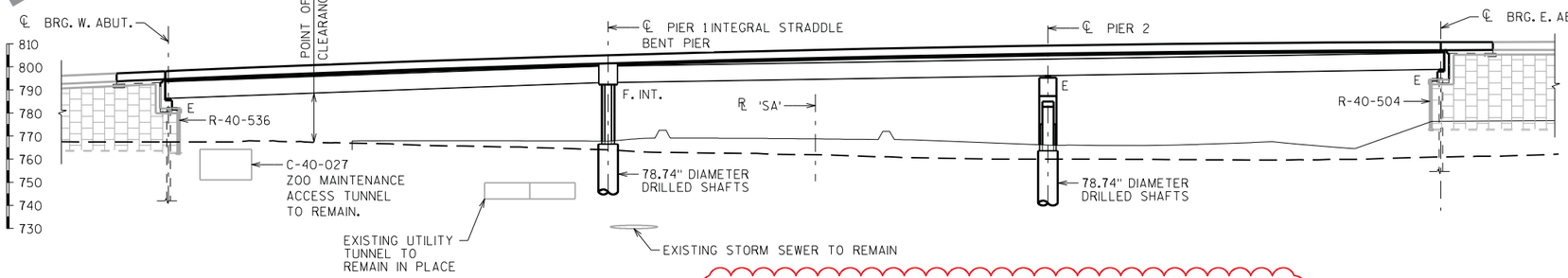
STATE PROJECT NUMBER

1060-33-80



PLAN

(THREE SPAN 84-INCH STEEL PLATE GIRDERS)



ELEVATION ALONG ℄ 'SW'

FOUNDATION DATA

⚠6 ABUTMENTS TO BE SUPPORTED ON HP 14X73 STEEL PILING. REQUIRED DRIVING RESISTANCE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD:
WEST ABUTMENT -------- 250 TONS PER PILE** ⚠
EAST ABUTMENT -------- 250 TONS PER PILE** ⚠
PILE POINTS REQUIRED.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.
ESTIMATED PILE LENGTHS:
WEST ABUTMENT --------- 135 FEET LONG
EAST ABUTMENT --------- 150 FEET LONG ⚠
FOR EXCEPTIONS SEE ABUTMENT SHEETS.

PIERS SHALL BE SUPPORTED ON BASE GROUTED DRILLED SHAFTS. SHAFT DIAMETERS, FACTORED AXIAL RESISTANCES, TOP OF SHAFT AND BOTTOM OF SHAFT ELEVATIONS AND CORRESPONDING SHAFT LENGTHS FOR EACH DRILLED SHAFT ARE GIVEN IN THE TABLE BELOW.

THE MINIMUM FACTORED AXIAL RESISTANCE OF DRILLED SHAFTS IN COMPRESSION USED FOR DESIGN IS THE REQUIRED AXIAL RESISTANCE MULTIPLTIED BY A SHAFT RESISTANCE FACTOR OF .56. THE RESISTANCE FACTOR INCLUDES A 20% REDUCTION FOR NON-REDUNDENCY.

DRILLED SHAFT DATA

SUBSTRUCTURE	SHAFT LOCATION	SHAFT DIAMETER (IN.)	FACTORIAL AXIAL RESISTANCE (KIPS)	TOP OF SHAFT EL.	BOTTOM OF SHAFT EL.	SHAFT LENGTH (FT.)
PIER 1	NORTH COLUMN	78.74	3575	758.50	690.00	68.50
	SOUTH COLUMN	78.74	3575	761.67	683.00	78.67
PIER 2	NORTH COLUMN	78.74	3400	753.83 ⚠	686.00	67.83 ⚠
	SOUTH COLUMN	78.74	3400	753.83	682.00	71.83

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.3
OPERATING RATING FACTOR: RF=2.3
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

B-40-852 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY	SUPERSTRUCTURE (HPC)	f'c =	4,000 P.S.I.
	SUBSTRUCTURE ABUTMENTS, PIER 2	f'c =	4,000 P.S.I.
	SUBSTRUCTURE, PIER 1 (INTEGRAL CAP & COLUMNS)	f'c =	5,000 P.S.I.
	DRILLED SHAFTS	f'c =	4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60		fy =	60,000 P.S.I.
STAINLESS STEEL BAR REINFORCEMENT, GRADE 60		fy =	60,000 P.S.I.
HIGH STRENGTH STRUCTURAL STEEL ASTM A709 GRADE 50		Fy =	50,000 P.S.I.
POST TENSIONING STEEL	LOW RELAXATION, AASHTO M203 GRADE 270	fpu =	270,000 P.S.I.

TRAFFIC VOLUME

Plan Sheet Accepted By WISDOT BUREAU OF STRUCTURES

RAMP 'S-W'/'N-W'
A.D.T.=43,100 (2035)
R.D.S.=50 M.P.H.

RAMP 'SA'
A.D.T.=7,500 (2035)
R.D.S.=50 M.P.H.

STRUCTURE DESIGN CONTACTS:
STEVE REVELLO (608) 266-5095
LAURA SHADEWALD (608) 267-9592

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION & GENERAL NOTES
3. QUANTITIES & ROADWAY GEOMETRY
4. PLAN & ELEV. SPAN 1
5. PLAN & ELEV. SPAN 2
6. PLAN & ELEV. SPAN 3
7. SUBSURFACE EXPLORATION
8. SUBSURFACE EXPLORATION 1
9. WEST ABUTMENT
10. WEST ABUTMENT DETAILS
11. EAST ABUTMENT
12. EAST ABUTMENT DETAILS
13. EAST ABUTMENT DETAILS 2
14. INTEGRAL PIER 1
15. INTEGRAL PIER CAP REINF.
16. INTEGRAL PIER 1 DETAIL A
17. STEEL GIRDER DETAIL @ INTEGRAL PIER 1
18. TENDON & DUCT DETAILS
19. DUCT DETAILS
20. PIER REINF. & CAP/COLUMN DETAILS
21. DRILLED SHAFT DETAILS PIER 1
⚠ 21A. DRILLED SHAFT DETAILS 2 - PIER 1
22. PIER 2
23. PIER 2 DETAILS
24. PIER 2 REINF. DETAILS
25. DRILLED SHAFT DETAILS PIER 2
⚠ 25A. DRILLED SHAFT DETAILS 2 - PIER 2
26. BEARING LAYOUT
27. BEARING DETAILS
28. FRAMING PLAN GIRDER LAYOUT
29. FIELD SPLICE AND GIRDER DETAILS
30. CROSS BRACING DETAILS
31. CAMBER & BLOCKING
32. CAMBER AND BLOCKING DATA FOR FIELD SECTIONS 1&2
33. CAMBER AND BLOCKING DATA FOR FIELD SECTIONS 3&4
34. CAMBER AND BLOCKING DATA FOR FIELD SECTION 5
35. DEAD LOAD DEFLECTION DIAGRAM
36. SUPERSTRUCTURE CROSS SECTION
37. SUPER REINF. DETAILS
38. SUPERSTRUCTURE DETAILS
39. EXPANSION DEVICE WEST ABUTMENT
40. COVER PLATE DETAILS WEST ABUTMENT
41. MODULAR JOINT DETAILS EAST ABUTMENT
42. COVER PLATES FOR SINGLE SLOPE PARAPET
43. WEST STRUCTURAL APPROACH SLAB DETAILS
44. EAST STRUCTURAL APPROACH SLAB DETAILS
45. SINGLE SLOPE PARAPET 42SS MODIFIED WITH
46. STRUCTURAL APPROACH SLAB
SINGLE SLOPE PARAPET 42SS ELECTRICAL
47. FLOOR DRAIN TYPE 'GC'
48. DOWNSPOUT DETAILS
49. AESTHETIC DETAILS

NO.	DATE	REVISION	BY
⚠	3/23/15	ADDED SHEETS/REVISED SHAFTS	DDS
⚠	1/20/15	REVISED FOUNDATION DATA	DDS

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-852

IH 94 'S-W' RAMP AND 'N-W' RAMP OVER 'SA' RAMP

COUNTY MILWAUKEE | TOWN/CITY/VILLAGE MILWAUKEE

DESIGN SPEC. AASHTO LRFD DESIGN SPEC.

DESIGNED BY SDR | DESIGN CK'D. | CAD | DRAWN BY RAC | PLANS CK'D. SDR

GENERAL PLAN

SHEET 1 OF 49

6534

SCALE = 30:1

I.D. 1060-33-07G

DATE: FEB 2015

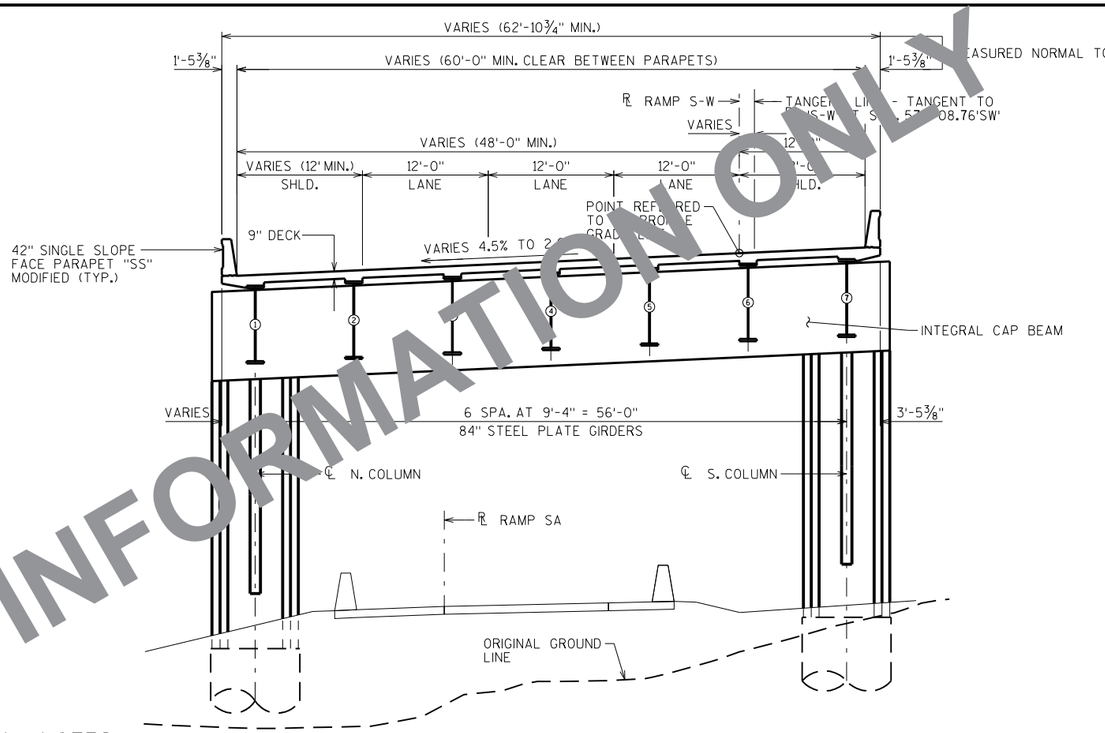
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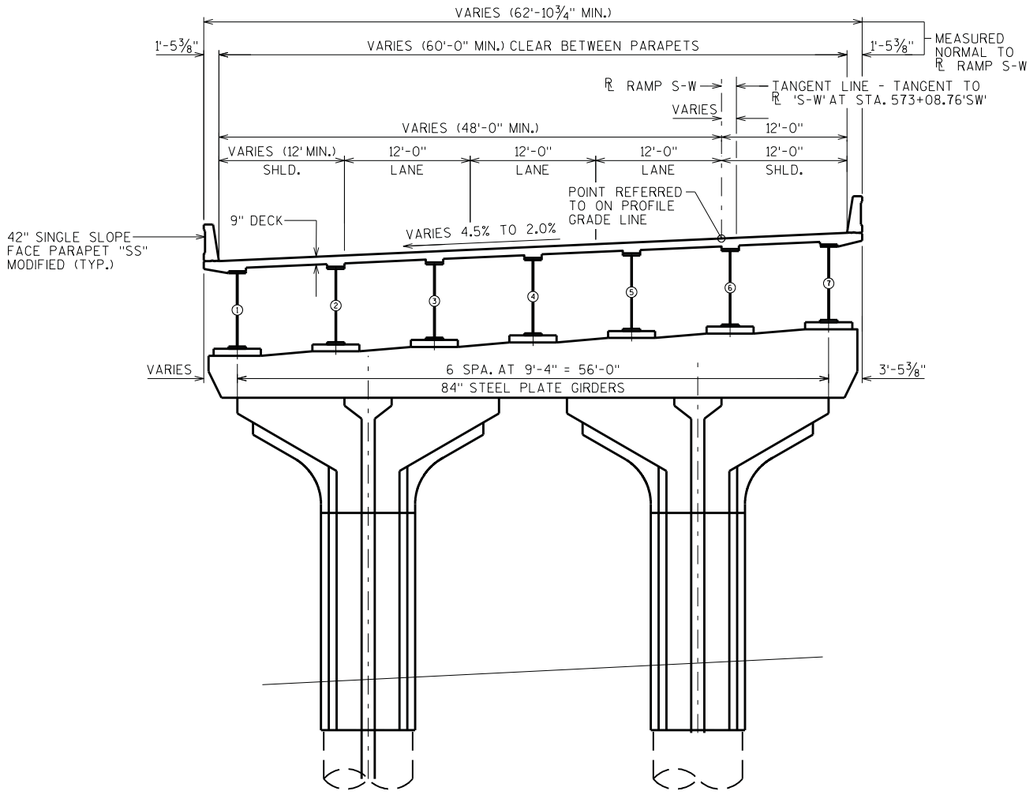
FOR INFORMATION ONLY

STATE PROJECT NUMBER

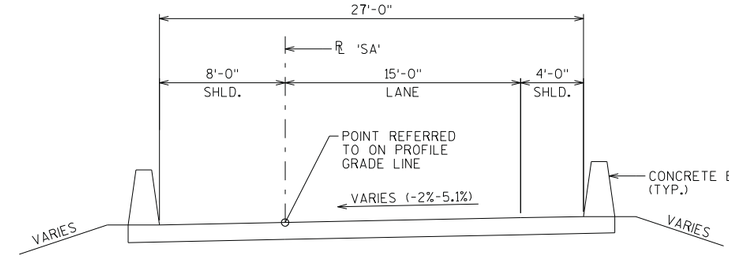
1060-33-80



CROSS SECTION THRU ROADWAY LOOKING EAST - PIER 1



CROSS SECTION THRU ROADWAY LOOKING EAST - PIER 2



TYPICAL FINISHED SECTION THRU SA RAMP

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

BEVEL ALL EXPOSED EDGES ¾".

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMIT OF EXCAVATION FOR STRUCTURES.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

AT THE BACKFACE OF ABUTMENTS ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW BRIDGE OR RETAINING WALL REINFORCED ZONE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1¼-INCH" AS DETERMINED ON THE STRUCTURAL APPROACH SLAB SHEETS.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE AND THE FRONT FACE AND THE TOP OF THE PARAPETS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

EMBEDDED CONDUIT AND JUNCTION BOXES IN THE NORTH PARAPET FOR FUTURE LIGHTING OF IH 94 RAMPS ARE INCLUDED IN THE BRIDGE PLANS.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COARSE AGGREGATE SHALL BE CONSIDERED INCIDENTAL TO "SLOPE PAVING CONCRETE."

THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCHES OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTUIRES".

THE CONTRACTOR MUST COORDINATE CONSTRUCTION OF THE BRIDGE B-40-852 ABUTMENTS WITH RETAINING WALLS R-40-504 AND R-40-536.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS BELOW EXPANSION DEVICES.

ALL FIELD CONNECTIONS SHALL BE MADE WITH ⅞" DIAMETER A325 HIGH STRENGTH BOLTS UNLESS OTHERWISE SHOWN OR NOTED.

SUCESSFUL INSTALLATION AND ENGINEER ACCEPTANCE OF THE ITEM, TRIAL DRILLED FOUNDATION SHAFT 98.43-INCH INCLUDED IN THIS CONTRACT WITH THE QUANTITIES FOR B-40-855 IS REQUIRED PRIOR TO BEGINNING THE CONSTRUCTION OF THE ITEM DRILLED FOUNDATION SHAFT 78.74-INCH FOR B-40-852.

UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

CAMBER DIAGRAMS HAVE BEEN DEVELOPED ASSUMING A 4⅜" HAUNCH HEIGHT MEASURED FROM THE UNDERSIDE OF THE TOP FLANGE (TOP OF WEB) TO THE UNDERSIDE OF THE DECK. THE CONCRETE HAUNCH QUANTITY IS BASED ON THE 4⅜" HAUNCH DEPTH EXCLUDING THE VOLUME TAKEN UP BY THE TOP FLANGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-852

DRAWN BY RAC | PLANS CK'D. SDR

TYPICAL SECTION & GENERAL NOTES | SHEET 2 | 6535

SCALE = 7:1

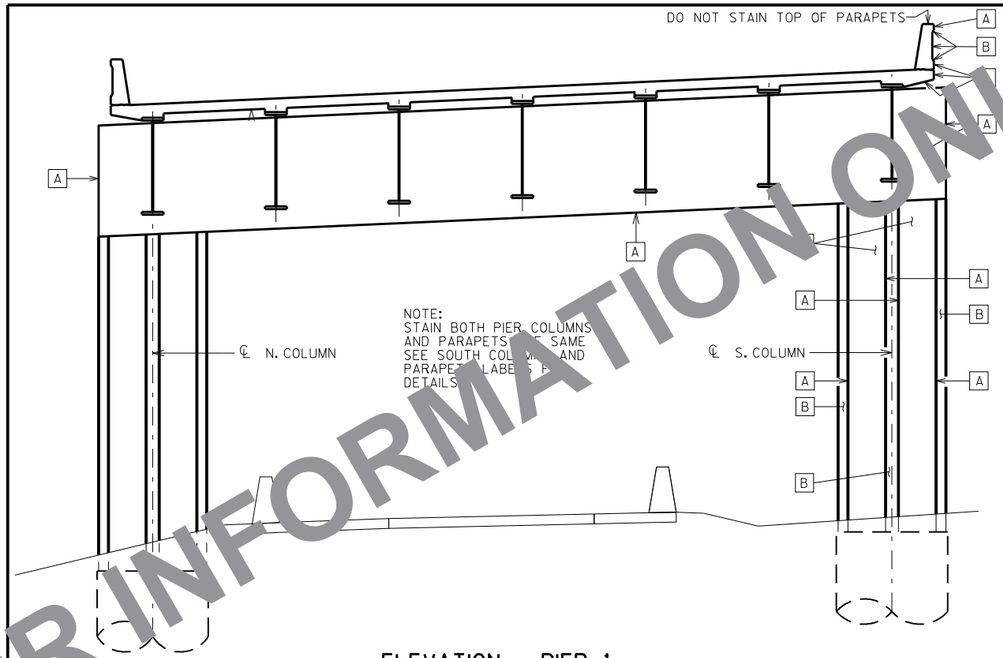
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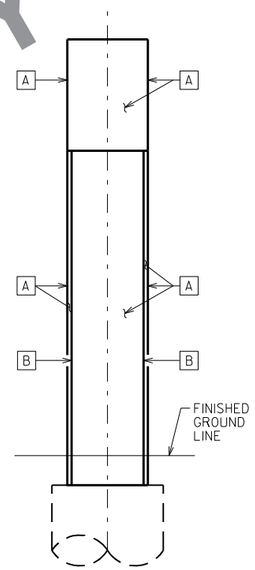
FOR INFORMATION ONLY

STATE PROJECT NUMBER

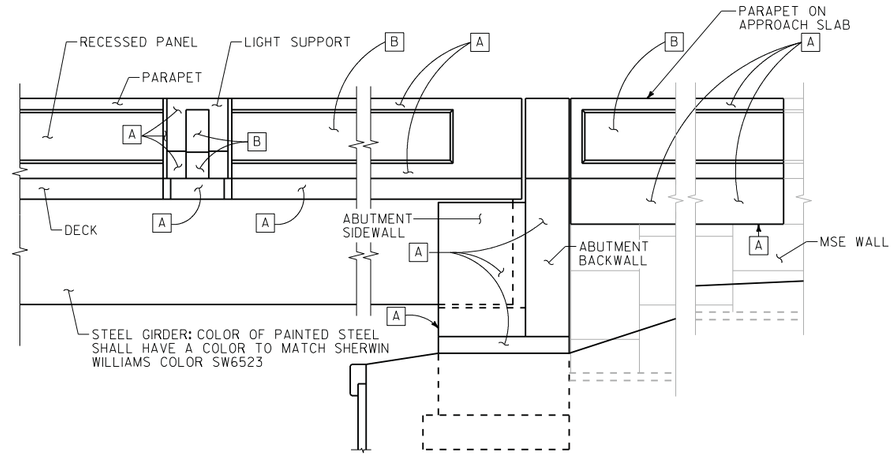
1060-33-80



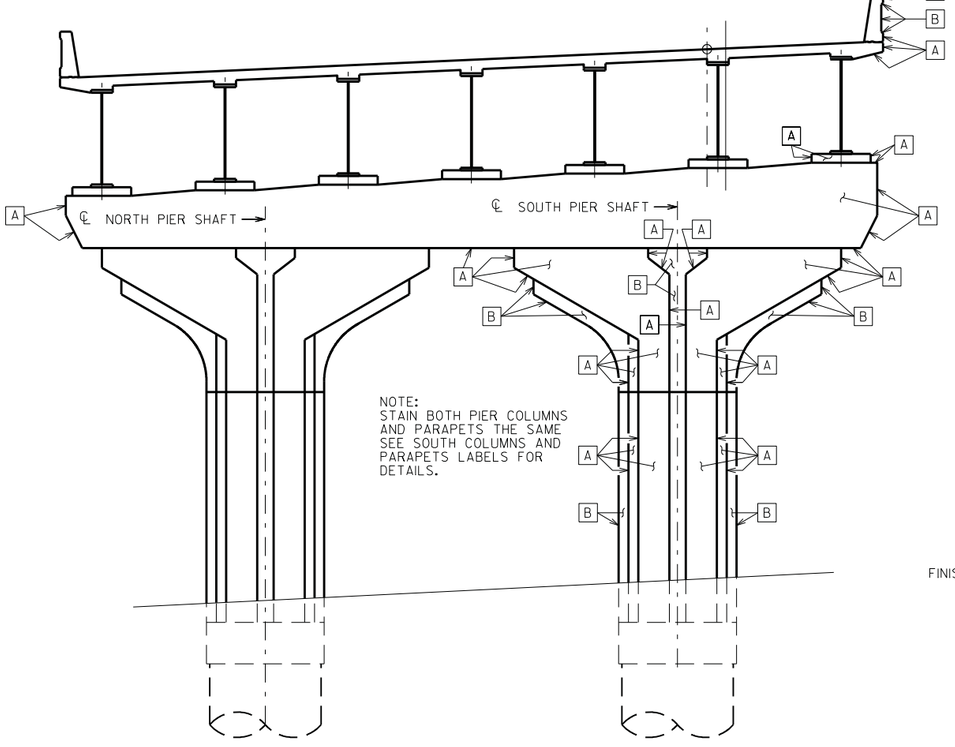
ELEVATION - PIER 1



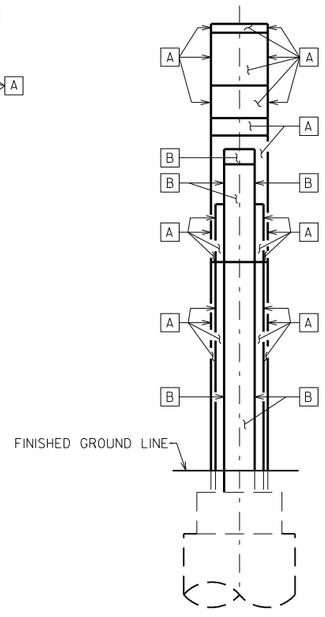
END VIEW - PIER 1



OUTSIDE ELEVATION OF RIGHT PARAPET
(LEFT PARAPET SIMILAR)



ELEVATION - PIER 2
LOOKING EAST



END VIEW - PIER 2

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS.
		DECK	FASCIA AND EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE.
		APPROACH SLAB	FASCIA AND UNDERSIDE OF COPING
		ABUTMENT	FRONT FACE OF BEAM SEAT FROM TOP OF ABUTMENT TO TOP OF CONCRETE SLOPE PAVING, EXTERIOR EXPOSED FACE OF ABUTMENT BEAM SEAT, EXTERIOR EXPOSED FACE OF BACKWALL, FRONT FACE AND EXTERIOR EXPOSED FACE OF SIDEWALL, EACH SIDE OF GIRDER PEDESTAL AND SIGN BRIDGE BASE.
		PIER	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM AND STEM TO 1 FOOT BELOW FINISHED GROUND LINE, EXCEPT AS NOTED FOR ACCENT COLORS.
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON EXTERIOR FACE.
		PIERS	RECESS AREAS AND REVEALS ON PIERS.

THE FINAL COLOR OF THE CONCRTE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:
BASE COLOR: FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE PERFORMED BY OTHERS UNDER FUTURE PROJECT I.D. 1060-33-81.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-852

DRAWN BY DDS | PLANS CK'D. SDR

AESTHETIC DETAILS

SHEET 49

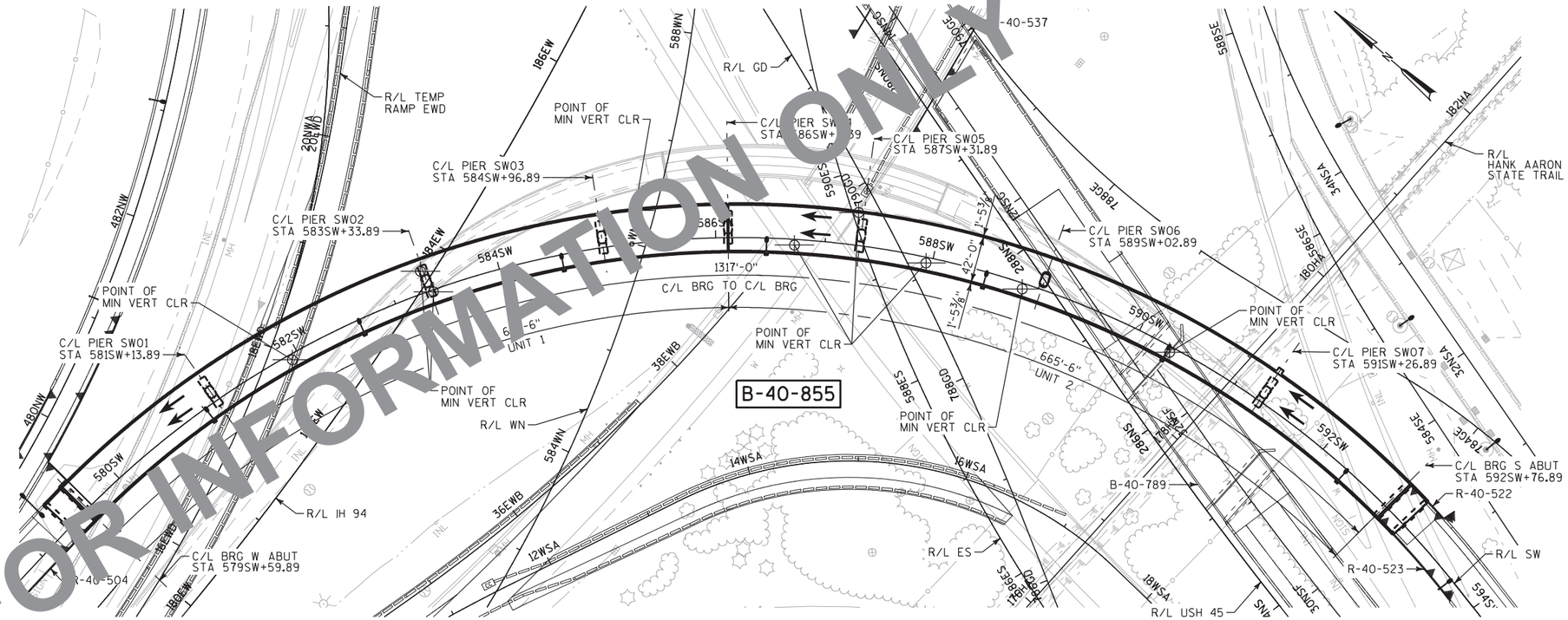
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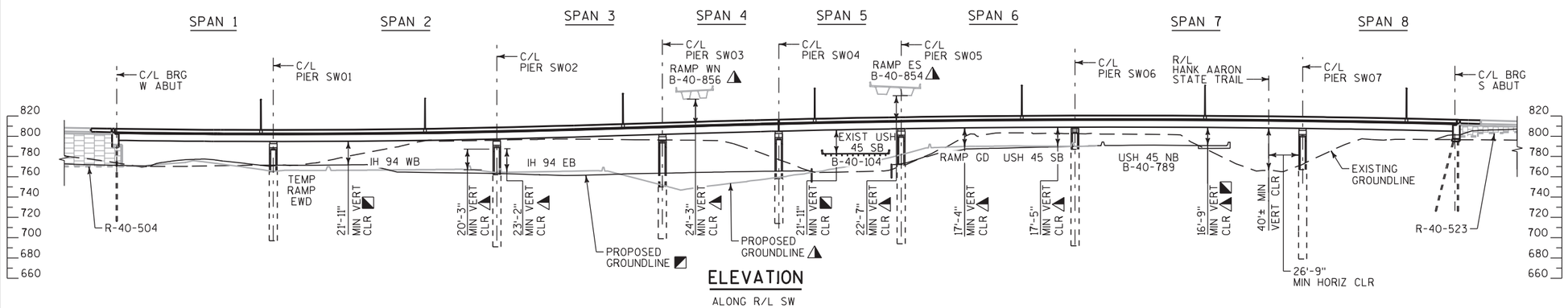
SCALE = 2645.66

FOR INFORMATION ONLY



PLAN

8-SPAN CURVED STEEL TRAPEZOIDAL BOX GIRDER, 7 FOOT WEB DEPTH
ABUTMENTS AND PIERS ARE RADIAL TO R/L SW
DIMENSIONS SHOWN ARE ALONG R/L SW



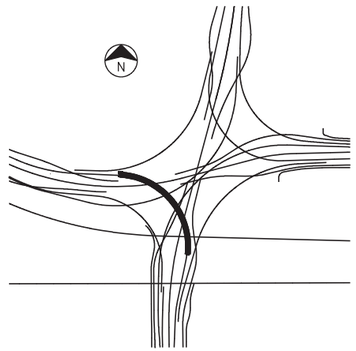
ELEVATION

ALONG R/L SW



STATE PROJECT NUMBER

1060-33-80



LOCATION MAP

LEGEND

- INDICATES LANE LOCATION AND DIRECTION OF TRAVEL
- = INTERIM CONDITION AT COMPLETION OF PROJECT ID 1060-33-80
- = ULTIMATE CONDITION AT COMPLETION OF FUTURE PROJECT ID 1060-33-81

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
RANDY THOMAS (414) 847-0447

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher DVR 6/12/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-855

ZOO INTERCHANGE RAMP SW

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
WRT	CNK	GLM	WRT

GENERAL PLAN & ELEVATION

SHEET 1 OF 96

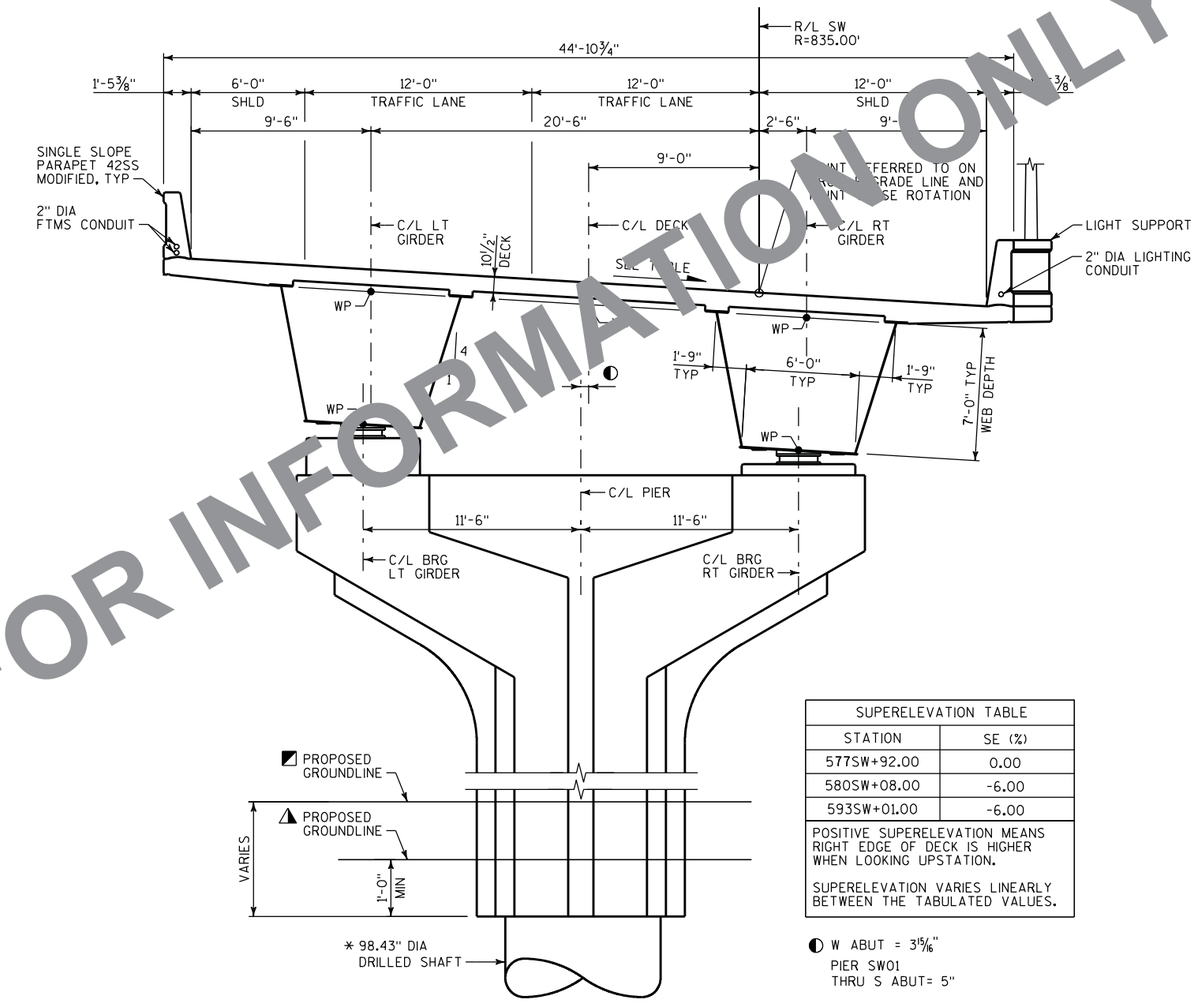
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PLOT BY : MSCGLM
PLOT NAME : B855_080101_gp
PLOT SCALE : 120:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION THRU RAMP SW

LOOKING UPSTATION

SUPERELEVATION TABLE	
STATION	SE (%)
577SW+92.00	0.00
580SW+08.00	-6.00
593SW+01.00	-6.00

POSITIVE SUPERELEVATION MEANS RIGHT EDGE OF DECK IS HIGHER WHEN LOOKING UPSTATION.

SUPERELEVATION VARIES LINEARLY BETWEEN THE TABULATED VALUES.

◐ W ABUT = 3 15/16"
PIER SW01
THRU S ABUT= 5"

* DRILLED SHAFT FOUNDATION SHOWN. IF OPTION B IS BID, CONSTRUCT DRIVEN PILE FOUNDATION AT PIER SW06. SEE NOTES ON SHEET 2.

DESIGN DATA

LIVE LOAD

DESIGN LOADING: HL-93

CONTROLLING RATINGS FOR UNIT 1 (2)
INVENTORY RATING FACTOR: RF = 1.19
OPERATING RATING FACTOR: RF = 1.55
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

CONTROLLING RATINGS FOR UNIT 2 (2)
INVENTORY RATING FACTOR: RF = 1.18
OPERATING RATING FACTOR: RF = 1.53
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES

CONCRETE MASONRY:
SUPERSTRUCTURE (HPC) _____ f'c = 4,000 PSI
SUBSTRUCTURE, PIERS _____ f'c = 5,000 PSI
SUBSTRUCTURE, ABUTMENTS _____ f'c = 4,000 PSI
DRILLED SHAFTS _____ f'c = 4,000 PSI
C.I.P. CONCRETE PILING _____ f'c = 3,500 PSI
BAR STEEL REINFORCEMENT _____ fy = 60,000 PSI
STRUCTURAL STEEL
ASTM A709 (AASHTO M270) GRADE HPS 70W _____ Fy = 70,000 PSI
ASTM A709 (AASHTO M270) GRADE HPS 50W _____ Fy = 50,000 PSI
ASTM A709 (AASHTO M270) GRADE 50 _____ Fy = 50,000 PSI

TRAFFIC DATA					
ROUTE	RAMP SW	IH 94 EB	IH 94 WB	USH 45 NB	USH 45 SB
A.A.D.T.	29,900	44,900	44,900	59,900	63,600
YEAR	2035	2035	2035	2035	2035
R.D.S. (MPH)	50	60	60	60	60

LEGEND

◩ = INTERIM CONDITION AT COMPLETION OF PROJECT ID 1060-33-80

◭ = ULTIMATE CONDITION AT COMPLETION OF FUTURE PROJECT ID 1060-33-81

8

8

NO.	DATE	REVISION	BY
2	10/3/14	RATING FACTORS REVISED	WRT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-855

DRAWN BY GLM | PLANS CK'D. WRT

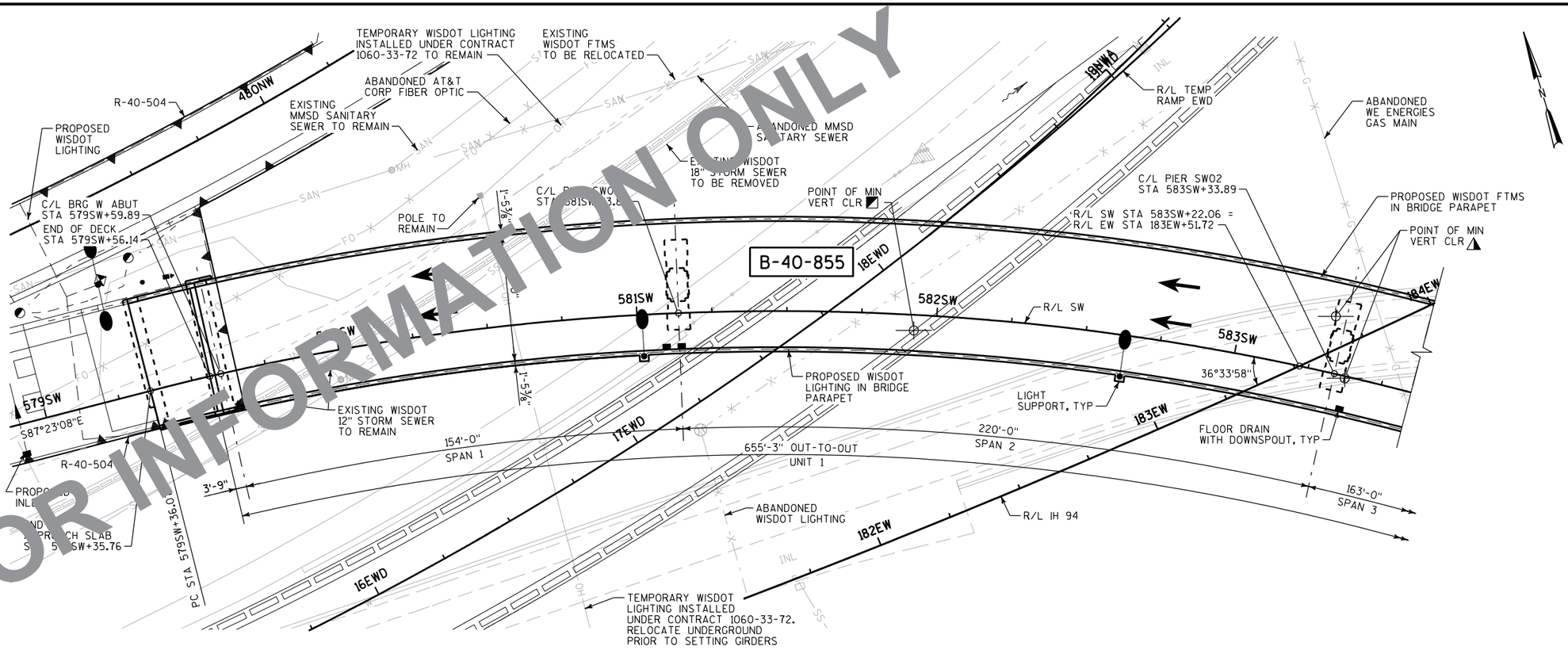
TYPICAL SECTION & DESIGN DATA

SHEET 3 OF 96

2505
6538

FOR INFORMATION ONLY

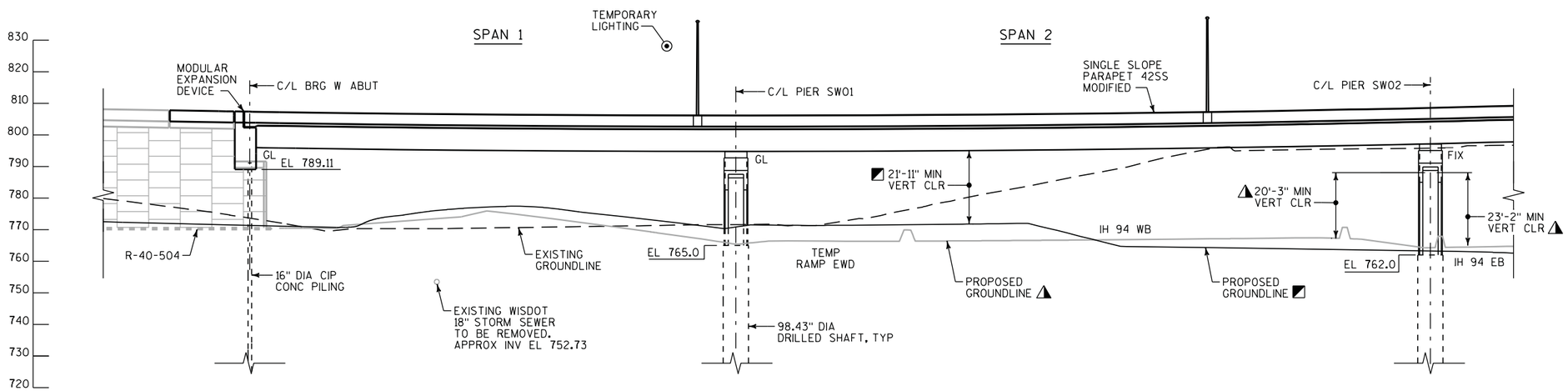
STATE PROJECT NUMBER
1060-33-80



PLAN

LEGEND

- ← INDICATES LANE LOCATION AND DIRECTION OF TRAVEL
- FIX = FIXED BEARINGS
- GL = GUIDED BEARINGS
- ◩ = INTERIM CONDITION AT COMPLETION OF PROJECT ID 1060-33-80
- ◭ = ULTIMATE CONDITION AT COMPLETION OF FUTURE PROJECT ID 1060-33-81



ELEVATION
ALONG R/L SW

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-855

DRAWN BY GLM | PLANS CK'D. WRT

PLAN & ELEVATION SPANS 1 & 2

SHEET 8 OF 96

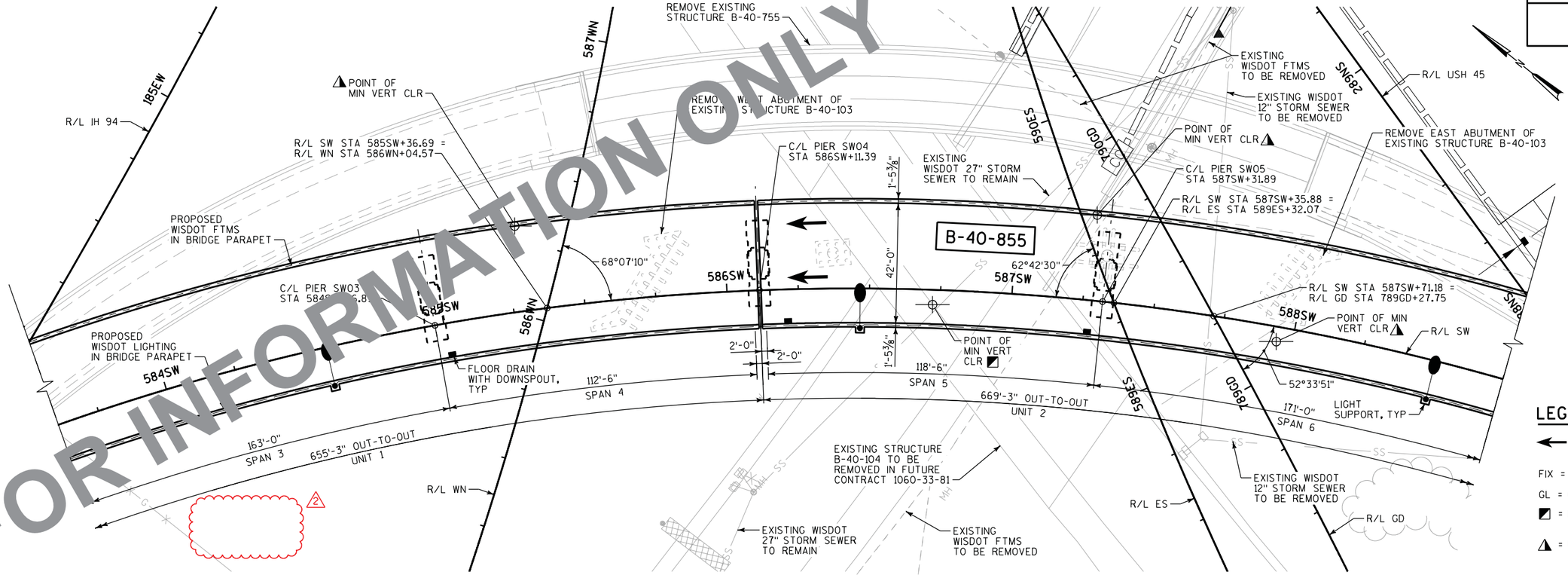
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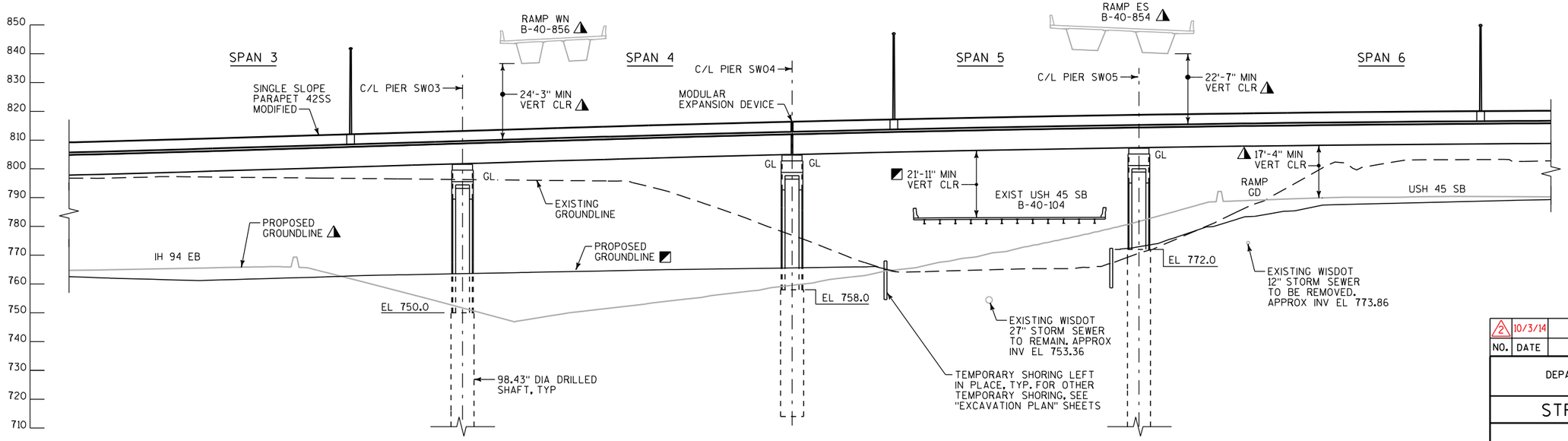
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN



ELEVATION

ALONG R/L SW

LEGEND

- ← INDICATES LANE LOCATION AND DIRECTION OF TRAVEL
- FIX = FIXED BEARINGS
- GL = GUIDED BEARINGS
- ◩ = INTERIM CONDITION AT COMPLETION OF PROJECT ID 1060-33-80
- ⚠ = ULTIMATE CONDITION AT COMPLETION OF FUTURE PROJECT ID 1060-33-81

NO.	DATE	REVISION	BY
2	10/3/14	FTMS CALLOUT REMOVED	WRT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-855

DRAWN BY GLM | PLANS CK'D. WRT

PLAN & ELEVATION SPANS 3 THRU 6

SHEET 9 OF 96

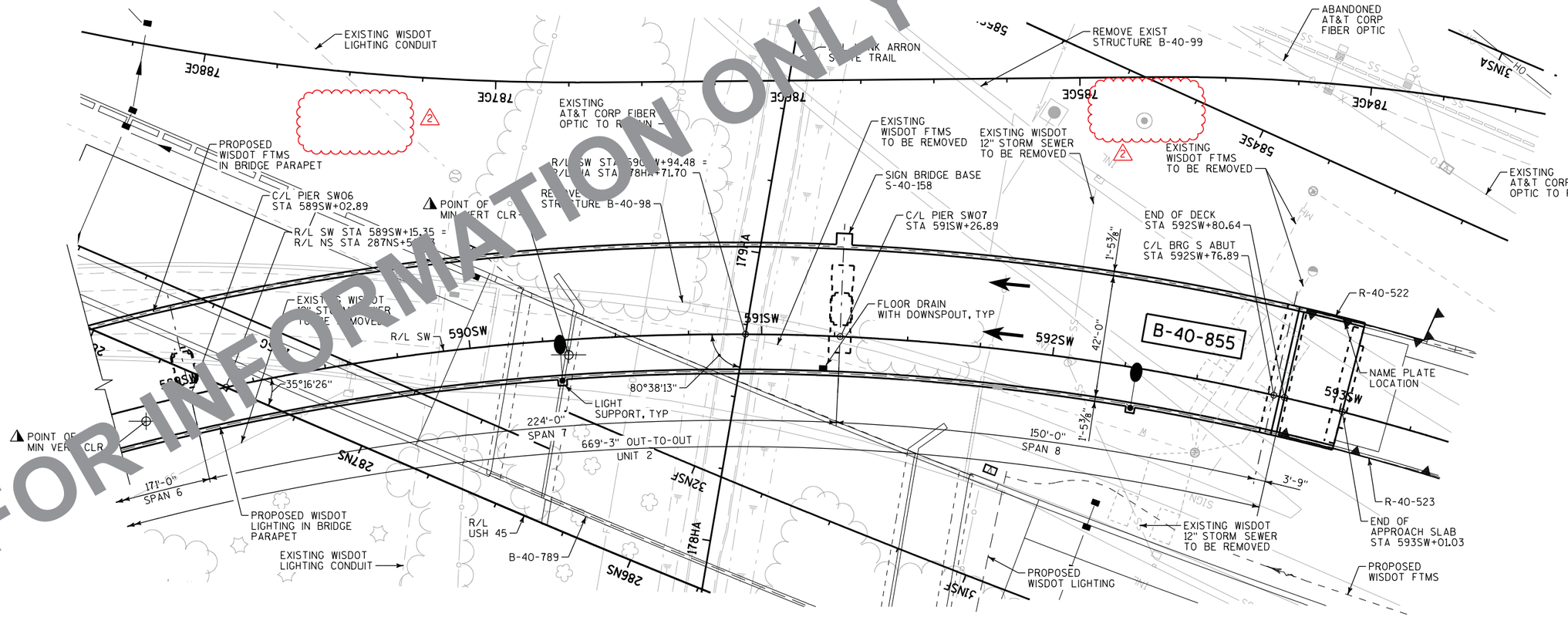
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6540

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PLOT SCALE : 40:1

FOR INFORMATION ONLY

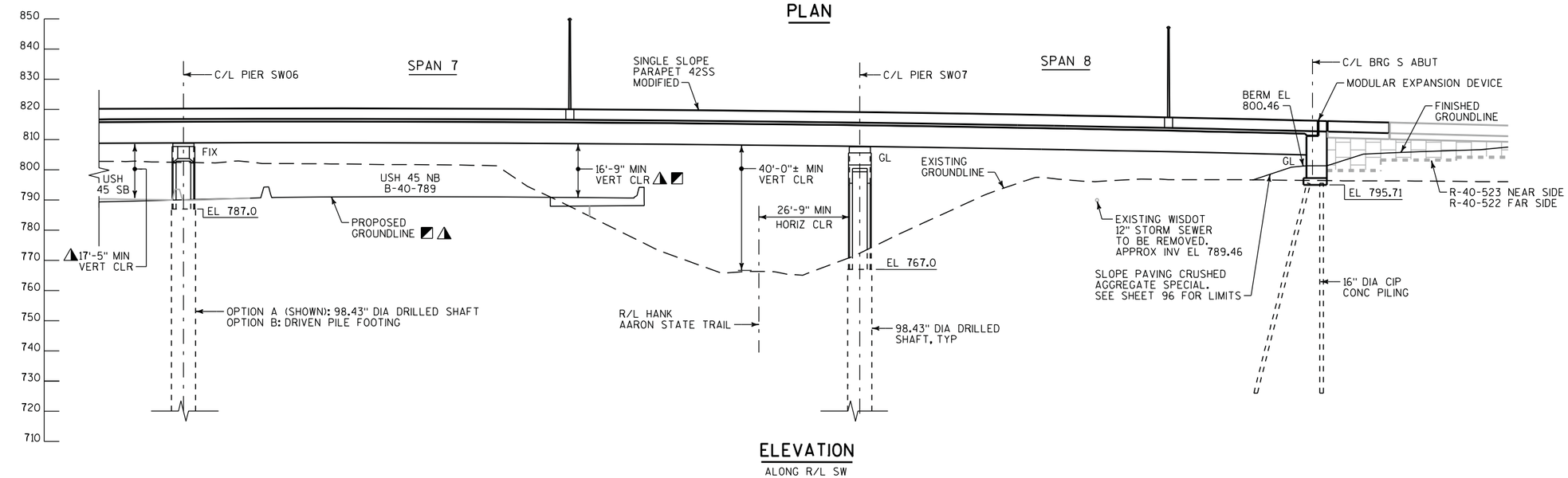
STATE PROJECT NUMBER
1060-33-80



LEGEND

- ← INDICATES LANE LOCATION AND DIRECTION OF TRAVEL
- FIX = FIXED BEARINGS
- GL = GUIDED BEARINGS
- ◩ = INTERIM CONDITION AT COMPLETION OF PROJECT ID 1060-33-80
- ⚠ = ULTIMATE CONDITION AT COMPLETION OF FUTURE PROJECT ID 1060-33-81

PLAN



ELEVATION

ALONG R/L SW

NO.	DATE	REVISION	BY
2	10/3/14	FTMS CALLOUT REMOVED	WRT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-855

DRAWN BY GLM | PLANS CK'D. WRT

PLAN & ELEVATION SPANS 7 & 8

SHEET 10 OF 96

2512
6541

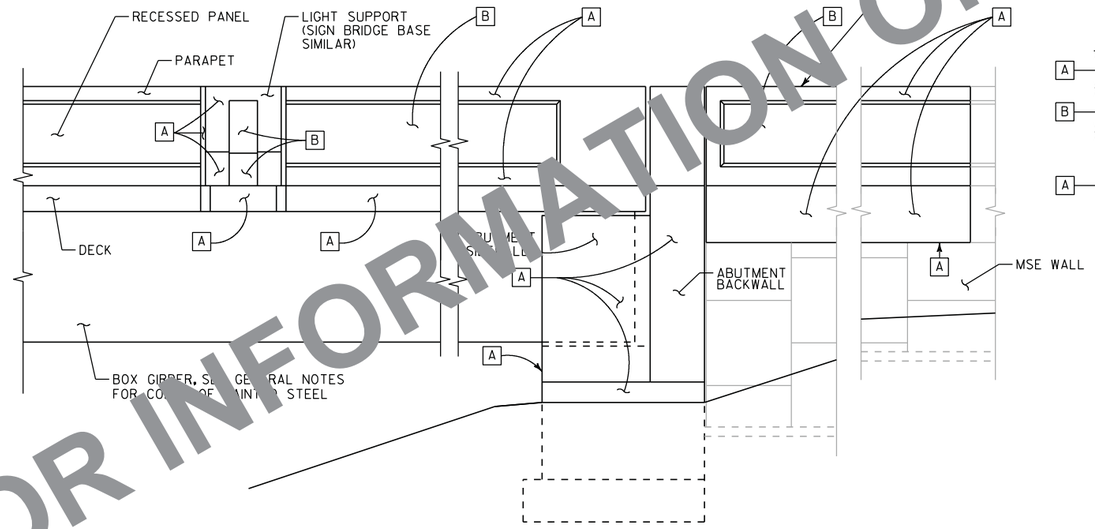
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PLOT BY : MSCGLM
PLOT NAME : 080110_gp_2512
PLOT SCALE : 40:1

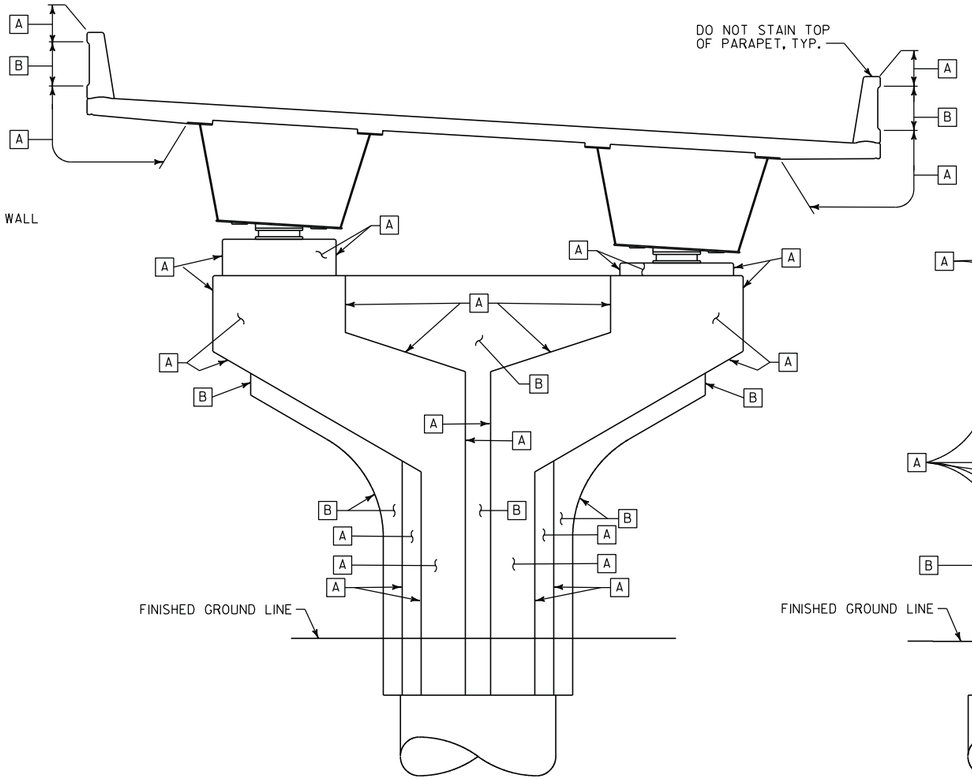
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



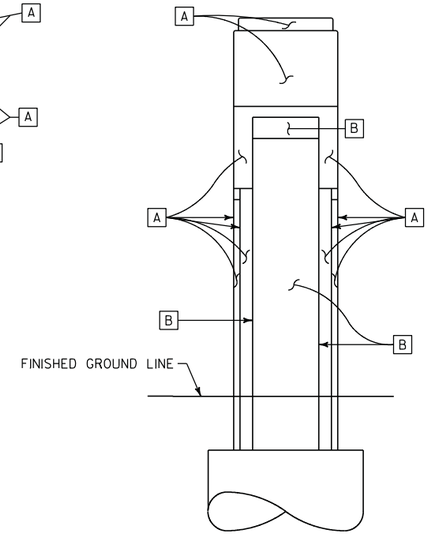
OUTSIDE ELEVATION OF RIGHT PARAPET

(LEFT PARAPET SIMILAR)



ELEVATION OF PIER

(LOOKING UP STATION)



END VIEW OF PIER

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS.
		DECK	FASCIA AND EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE.
		APPROACH SLAB	FASCIA AND UNDERSIDE OF COPING
		ABUTMENT	FRONT FACE OF BEAM SEAT FROM TOP OF ABUTMENT TO TOP OF CONCRETE SLOPE PAVING, EXTERIOR EXPOSED FACE OF ABUTMENT BEAM SEAT, EXTERIOR EXPOSED FACE OF BACKWALL, FRONT FACE AND EXTERIOR EXPOSED FACE OF SIDEWALL, AND EACH SIDE OF GIRDER PEDESTAL.
		PIER	SIDES OF GIRDER PEDESTALS, SIDES AND BOTTOM OF CAP BEAM AND STEM TO 1 FOOT BELOW FINISHED GROUND LINE, EXCEPT AS NOTED FOR ACCENT COLORS.
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON EXTERIOR FACE.
		PIERS	RECESS AREAS AND REVEALS ON PIERS.

THE FINAL COLOR OF THE CONCRTE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:
BASE COLOR: FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE PERFORMED BY OTHERS UNDER FUTURE PROJECT I.D. 1060-33-81.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-855

DRAWN BY GLM | PLANS CK'D. WRT

AESTHETIC DETAILS

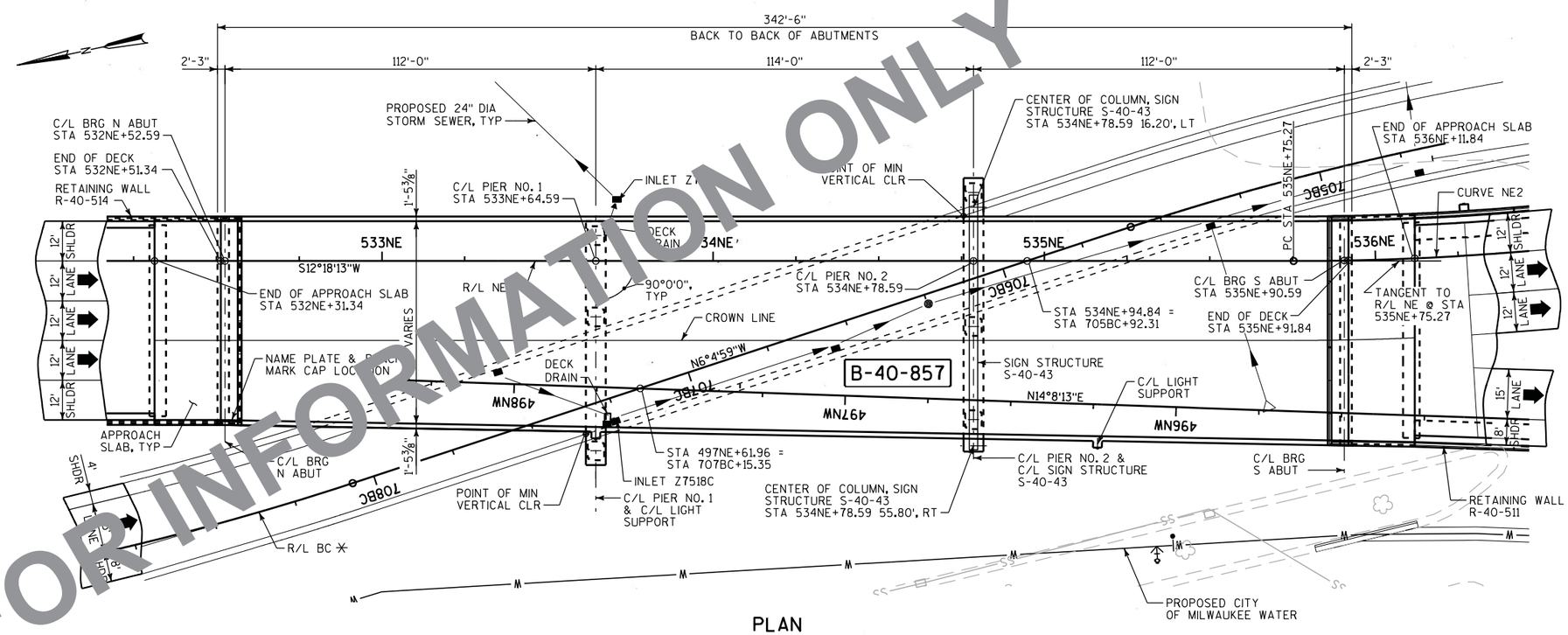
SHEET 95 OF 96

8

8

FOR INFORMATION ONLY

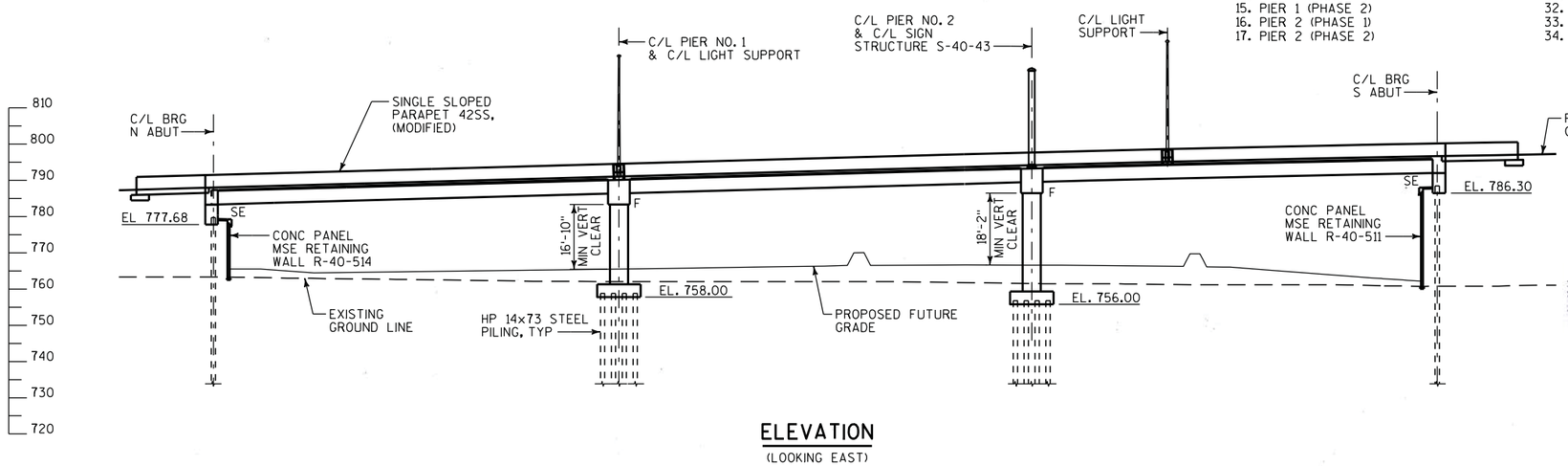
STATE PROJECT NUMBER
1060-33-80



PLAN

(3 SPAN - 45W" PRESTRESSED GIRDERS W/ STRADDLE BENT PIERS AND INTEGRAL PIER CAPS)

✳ RAMP BC WILL BE CONSTRUCTUED IN A FUTURE CONTRACT (PROJ ID 1060-33-80) AND NOT INCLUDED IN THIS CONTRACT (PROJ ID 1060-33-81)



ELEVATION

(LOOKING EAST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.19
OPERATING RATING FACTOR: RF = 1.55
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 4,000 psi
- 45W-INCH PRESTRESSED GIRDERS ..... f'c = 8,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi

TRAFFIC DATA

RAMP BC	RAMP NE
EXISTING ADT = N/A	EXISTING ADT = 28,800 (2011)
FUTURE ADT = 10,290 (2035)	FUTURE ADT = 29,010 (2035)
RDS = 50 MPH	RDS = 50 MPH

FOUNDATION DATA

ABUTMENTS AND PIER SHALL BE SUPPORTED ON HP 14x73 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 250 TONS PER PILE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD.

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:

NORTH ABUTMENT:	75 FEET
PIER 1:	65 FEET
PIER 2:	65 FEET
SOUTH ABUTMENT:	60 FEET

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & QUANTITIES
4. PROFILE GRADE LINES
5. SUBSURFACE EXPLORATION (1 OF 2)
6. SUBSURFACE EXPLORATION (2 OF 2)
7. CONSTRUCTION STAGING
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. SOUTH ABUTMENT
11. SOUTH ABUTMENT DETAILS
12. ABUTMENT JOINT & REINFORCEMENT
13. COLUMN AND FOOTING DETAILS
14. PIER 1 (PHASE 1)
15. PIER 1 (PHASE 2)
16. PIER 2 (PHASE 1)
17. PIER 2 (PHASE 2)
18. 45W" PRESTRESSED GIRDER
19. 45W" PRESTRESSED GIRDER DETAILS
20. SUPERSTRUCTURE FRAMING PLAN
21. SUPERSTRUCTURE REINFORCEMENT
22. SUPERSTRUCTURE CROSS SECTIONS
23. SUPERSTRUCTURE DETAILS (1 OF 2)
24. SUPERSTRUCTURE DETAILS (2 OF 2)
25. STEEL DIAPHRAGM
26. STRUCTURAL APPROACH SLAB
27. STRUCTURAL APPROACH SLAB DETAILS
28. SINGLE SLOPPED PARAPET
29. LIGHT SUPPORT DETAILS (1 OF 2)
30. LIGHT SUPPORT DETAILS (2 OF 2)
31. DOWNSPOUT DETAILS
32. FLOOR DRAIN SPECIAL DETAILS
33. FLOOR DRAIN TYPE 'WF'
34. AESTHETIC DETAILS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (262) 548-8703

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 06/02/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
MARK A. MADAY
E-25925
MILWAUKEE
WI
PROFESSIONAL ENGINEER
May 1, 2014

STRUCTURE B-40-857

RAMP NE BRIDGE OVER RAMP BC

COUNTY	TOWN/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ASW	DESIGN CK'D.	MAM	DRAWN BY	TEK	PLANS CK'D.	MAM

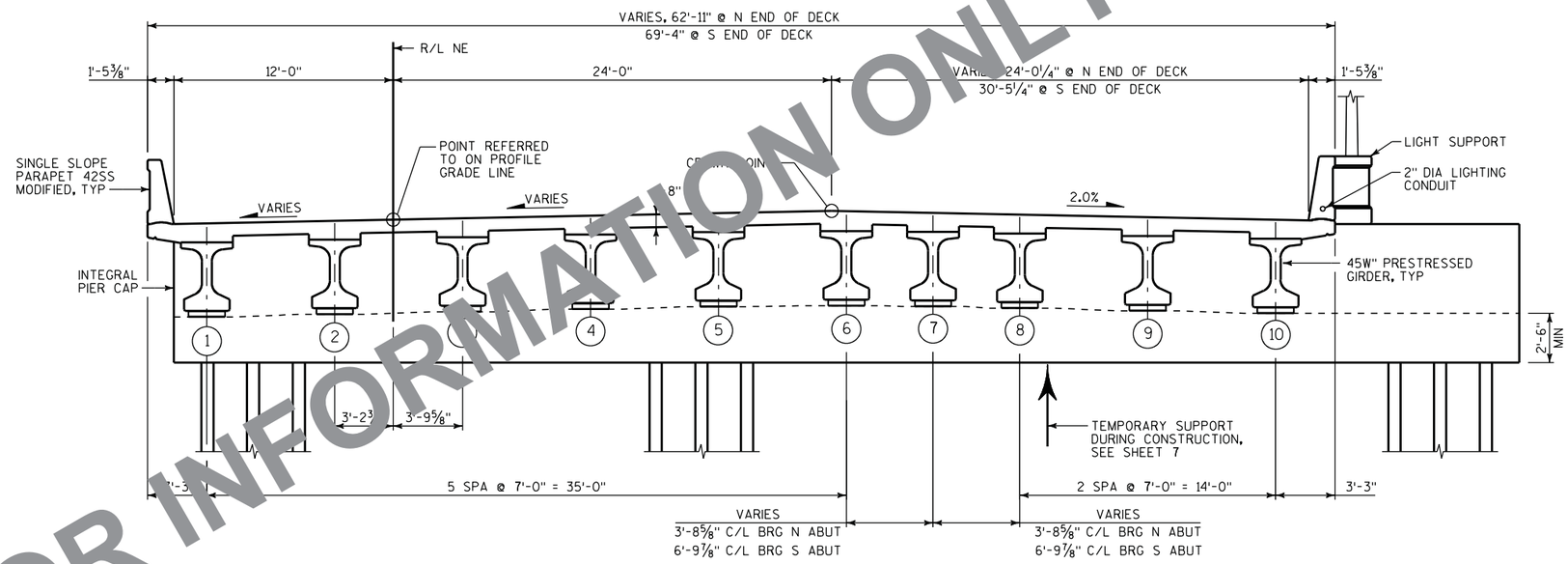
GENERAL PLAN & ELEVATION

SHEET 1 OF 34

6543

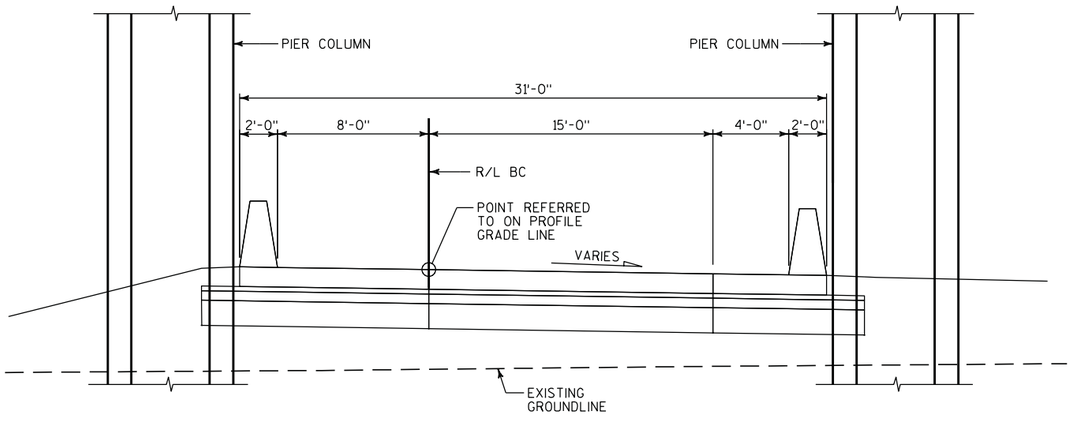
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



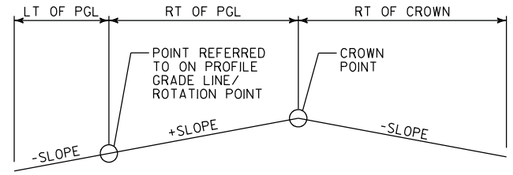
TYPICAL SECTION THRU RAMP NE

VALUES FOR VARYING DISTANCES GIVEN AT NORTH AND SOUTH ENDS OF DECK
(LOOKING SOUTH AT PIER 1)



TYPICAL SECTION THRU RAMP BC

ROADWAY CONSTRUCTED IN FUTURE CONTRACT
(LOOKING UPSTATION)



SUPERELEVATION DETAIL

SUPERELEVATION TABLE

STATION	LT OF PGL	RT OF PGL	RT OF CROWN
532NE+00.00	-2.00%	+2.00%	-2.00%
534NE+79.00	-2.00%	+2.00%	-2.00%
535NE+75.00	-4.00%	+4.00%	-2.00%
536NE+71.00	-6.00%	+6.00%	-2.00%

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-857

DRAWN BY TEK | PLANS CK'D. MAM

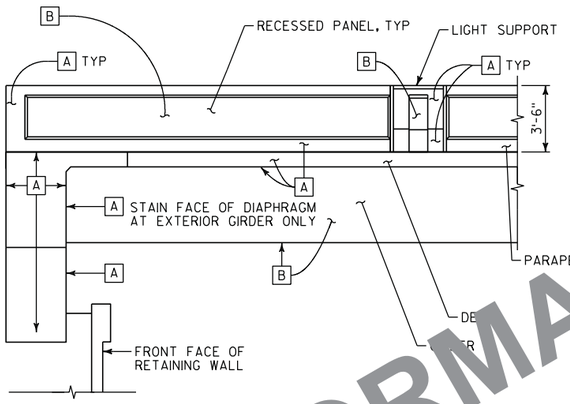
TYPICAL SECTIONS

SHEET 2 OF 34

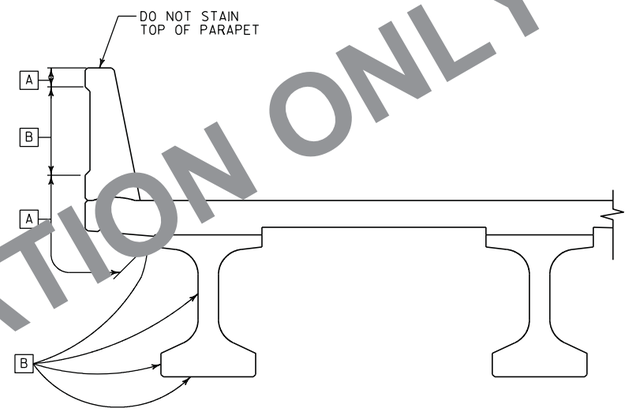
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PLOT DATE : 30-APR-2014 12:38
PLOT BY : MSCASW
PLOT NAME : B857_080102_ts
PLOT SCALE : 8.000016:1

FOR INFORMATION ONLY

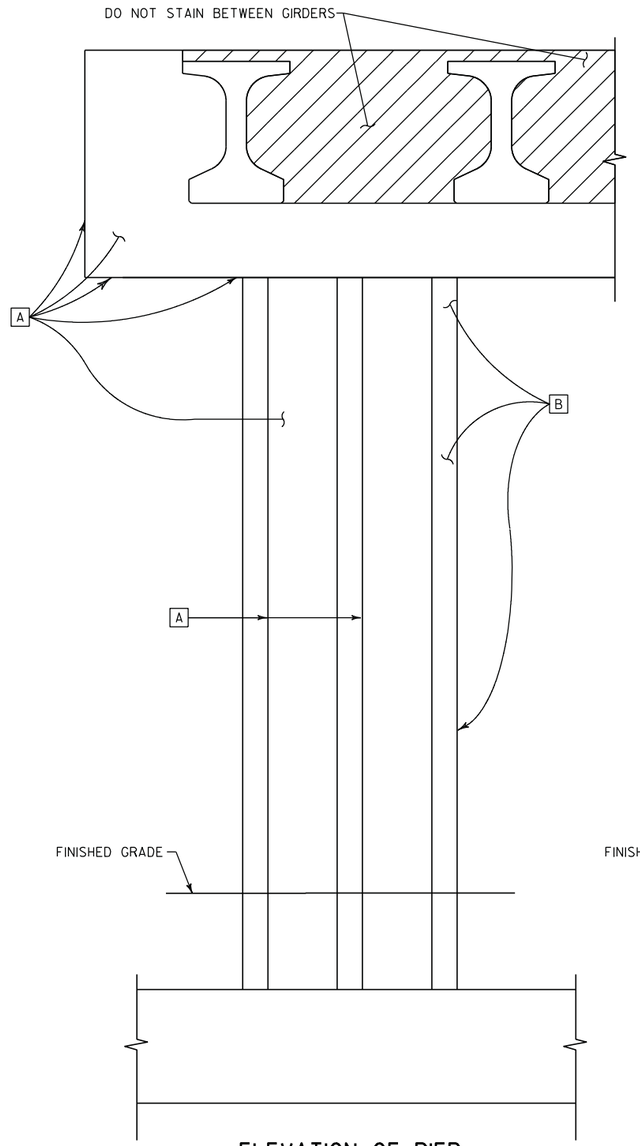
STATE PROJECT NUMBER
1060-33-80



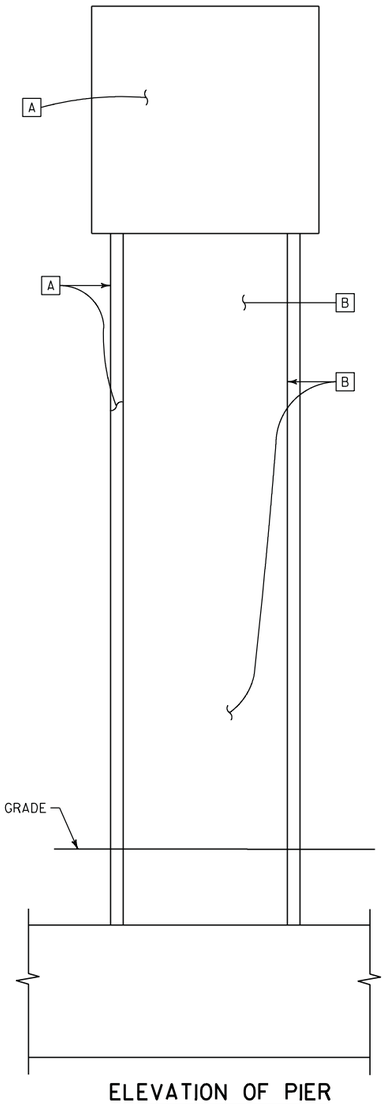
OUTSIDE ELEVATION OF PARAPET



ELEVATION OF DECK



ELEVATION OF PIER



ELEVATION OF PIER

LOOKING EAST (FROM WEST END)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		SIDEWALKS	FASCIA & EXPOSED UNDERSIDE
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO 6" BELOW TOP OF RETAINING WALL COPING
		PIERS	SIDES AND BOTTOM OF CAP BEAM, AND COLUMNS TO FINISHED GRADE
B	ACCENT COLOR #1	PIERS, GIRDERS, PARAPETS	REVEALS ON COLUMNS, EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS, REVEALS ON PARAPETS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE SHERWIN-WILLIAMS STANDARD COLOR SYSTEM LISTED.

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERALCOLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-857

DRAWN BY ASW | PLANS CK'D. MAM

AESTHETIC DETAILS

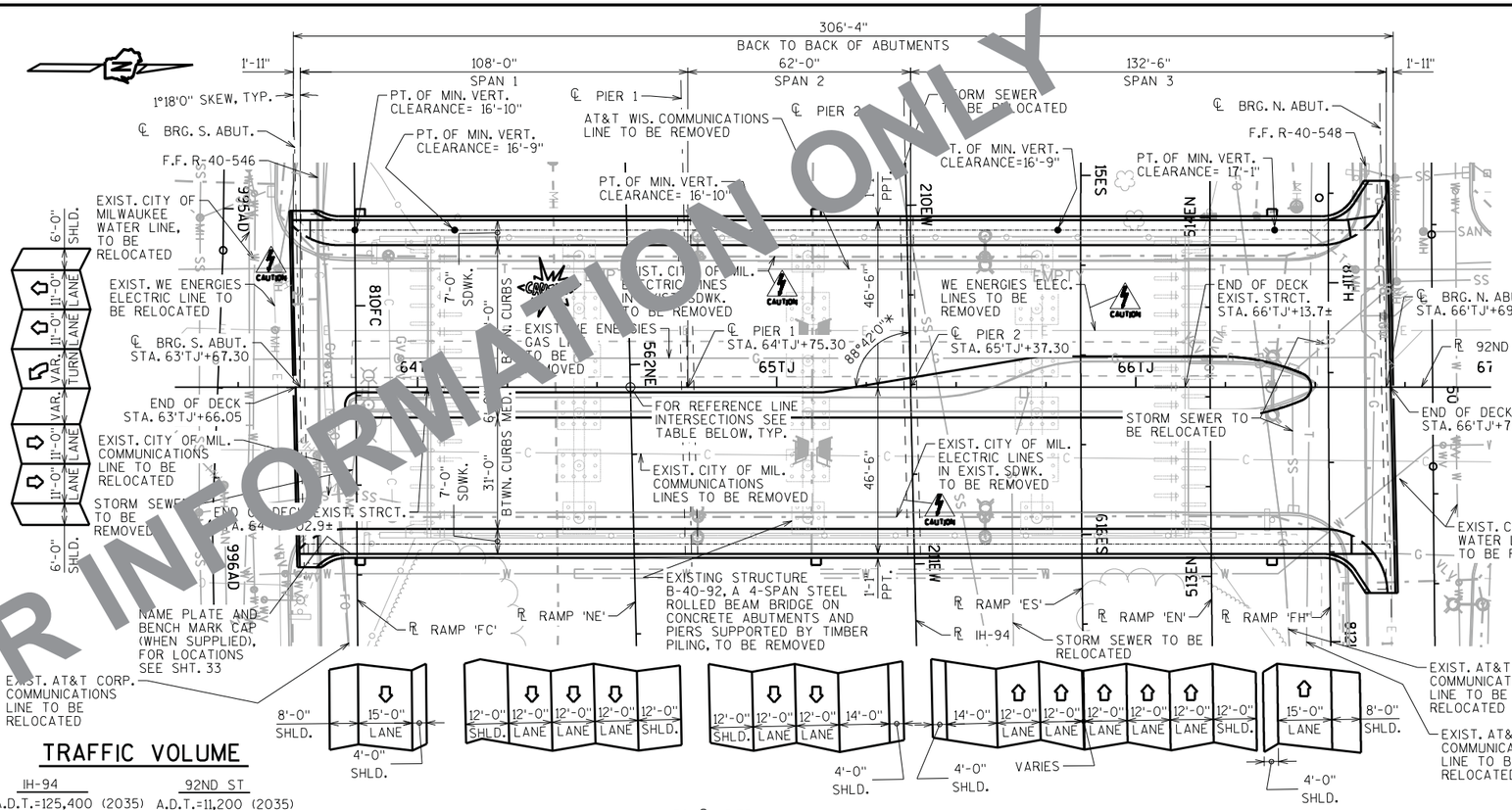
SHEET 34 OF 34

8

8

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.01
OPERATING RATING FACTOR: RF=1.31
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 190 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY: PILES — f'c = 3,500 P.S.I. ALL OTHER — f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
54W" PRESTRESSED GIRDERS, CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS- 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.
PRECAST BEAMS, CONCRETE MASONRY — f'c = 5,000 P.S.I.
STRUCTURAL CARBON STEEL ASTM A709 GRADE 36 — Fy = 36,000 P.S.I.

FOUNDATION DATA

SOUTH ABUTMENT TO BE SUPPORTED ON 14" DIA. X 0.375" WALL C.I.P. CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 230 TONS ** PER PILE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD. ESTIMATED 55'-0" LONG. PILE POINTS REQUIRED.

NORTH ABUTMENT TO BE SUPPORTED ON 14" DIA. X 0.375" WALL C.I.P. CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 250 TONS ** PER PILE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD. ESTIMATED 60'-0" LONG. PILE POINTS REQUIRED.

PIERS TO BE SUPPORTED ON 14" DIA. X 0.375" WALL C.I.P. CONCRETE PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 185 TONS ** PER PILE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD. ESTIMATED 40'-0" LONG. PILE POINTS REQUIRED.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH-94	92ND ST
A.D.T.=125,400 (2035)	A.D.T.=11,200 (2035)
R.D.S.=60 M.P.H.	R.D.S.=30 M.P.H.

CURVE DATA

RAMP 'EN'	RAMP 'FH'
P.I. = 517+08.71	P.I. = 810+76.33
Δ = 7°11' 33.77" R	Δ = 2°53' 32.44" L
D = 0°42' 39.12"	D = 0°42' 49.64"
T = 506.58	T = 202.65
L = 1011.82	L = 405.21
R = 8060.00	R = 8027.00
S.E. = 2.00%	S.E. = N/A
P.C. = 512+02.13	P.C.C. = 808+73.68
P.C.C = 522+13.95	P.T. = 812+78.89

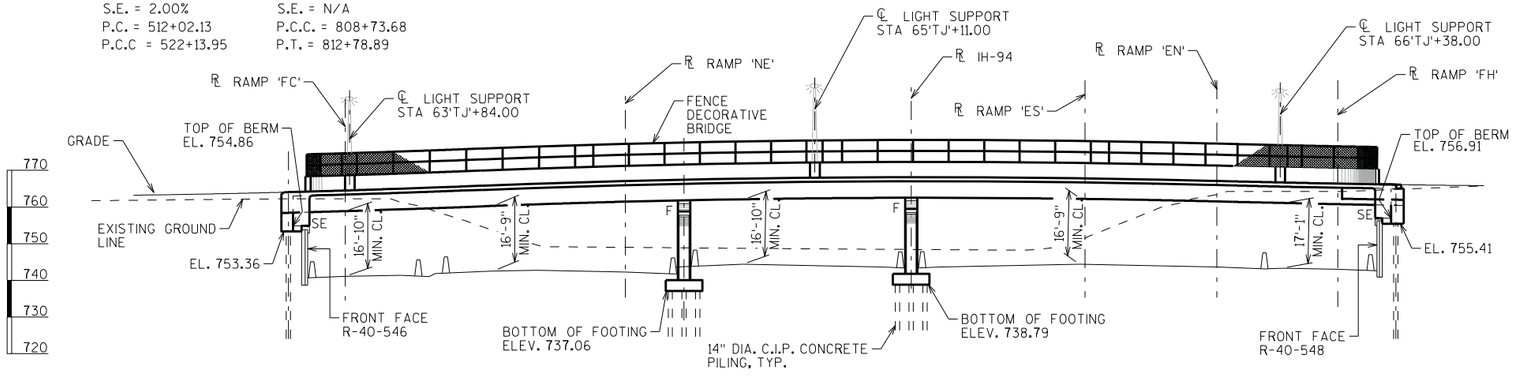
* TO ℄ PIER

PLAN

(3 SPAN, 54W" PRESTRESSED CONCRETE GIRDERS)

R/L INTERSECTION TABLE

R/L 'TJ' STA	INTERSECTING R/L	STATION
63'TJ'+82.80	'FC'	810'FC'+22.64
64'TJ'+59.28	'NE'	562'NE'+06.22
65'TJ'+37.30	IH-94 'EW'	210'EW'+50.68
65'TJ'+84.73	'ES'	615'ES'+58.95
66'TJ'+20.73	'EN'	514'EN'+47.26
66'TJ'+53.73	'FH'	811'FH'+29.03



ELEVATION

NORMAL TO IH-94

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTIONS
3. QUANTITIES & GENERAL NOTES
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT DETAILS 1
7. SOUTH ABUTMENT DETAILS 2
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS 1
10. NORTH ABUTMENT DETAILS 2
11. PIER 1
12. PIER 1 DETAILS 1
13. PIER 1 DETAILS 2
14. PIER 2
15. PIER 2 DETAILS 1
16. PIER 2 DETAILS 2
17. SUPERSTRUCTURE FRAMING PLAN
18. 54W" PRESTRESSED GIRDER DETAILS 1
19. 54W" PRESTRESSED GIRDER SPECAIL DETAILS
20. 54W" PRESTRESSED GIRDER DETAILS 2
21. PRECAST BEAM 1 DETAILS
22. PRECAST BEAM 2 DETAILS
23. STEEL DIAPHRAGM
24. SUPERSTRUCTURE LAYOUT
25. SIDEWALK RAMP DETAILS
26. SUPERSTRUCTURE REINFORCEMENT
27. SUPERSTRUCTURE DETAILS 1
28. SUPERSTRUCTURE DETAILS 2
29. SUPERSTRUCTURE DETAILS 3
30. SUPERSTRUCTURE DETAILS 4
31. SUPERSTRUCTURE DETAILS 5
32. DECK ELEVATION TABLE
33. VERTICAL FACE PARAPET 1
34. VERTICAL FACE PARAPET 2
35. LIGHT SUPPORT DETAILS
36. LIGHT SUPPORT REINFORCEMENT
37. FENCE 1
38. FENCE 2
39. FENCE 3
40. FENCE 4
41. AESTHETIC DETAILS
42. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

CHRIS DOLL (608) 266-3229
LAURA SHADEWALD (608) 267-9592

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher LLS — CHIEF STRUCTURES DESIGN ENGINEER — 5/22/14 DATE

STRUCTURE B-40-862

92ND ST OVER IH-94

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	CAD	DESIGN CK'D.	DFD	DRAWN BY	CAD	PLANS CK'D.	DFD

GENERAL PLAN

SHEET 1 OF 42

6546

I.D. 1060-33-07 E

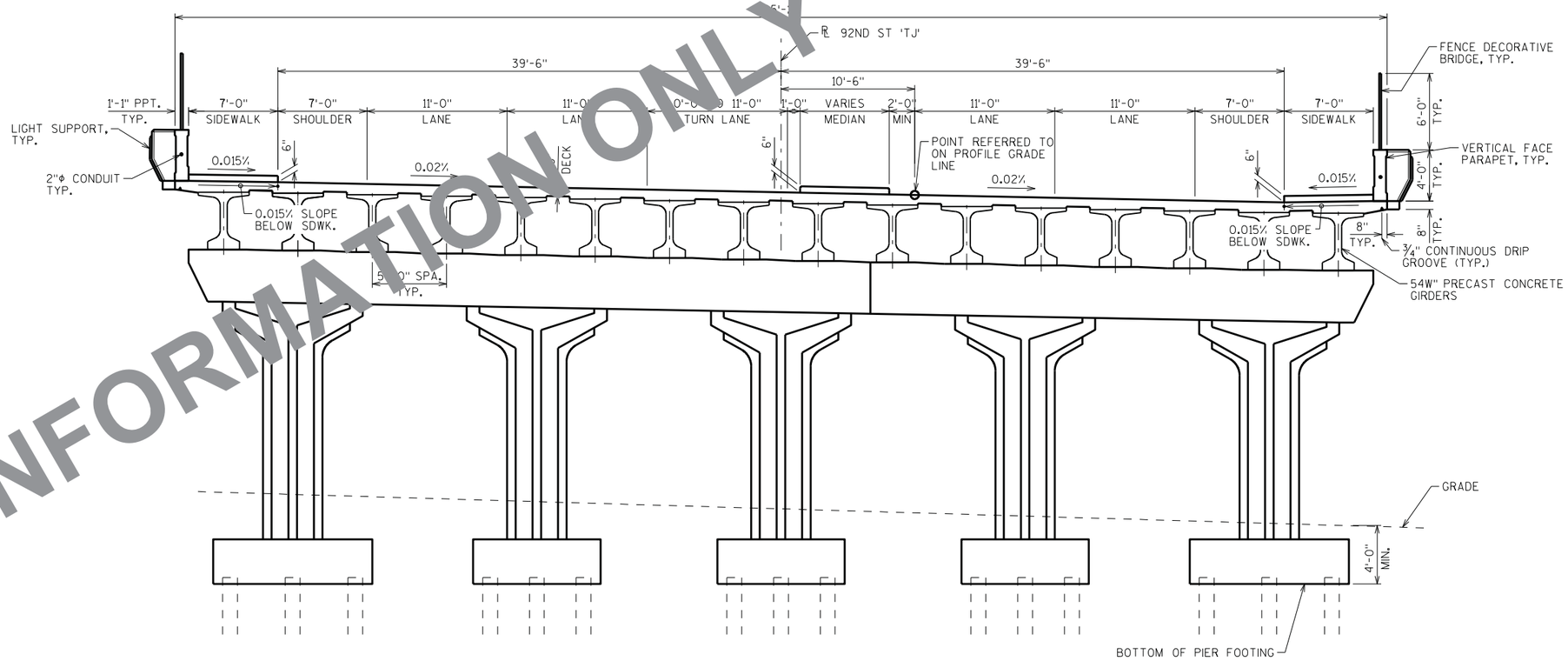
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FOR INFORMATION ONLY

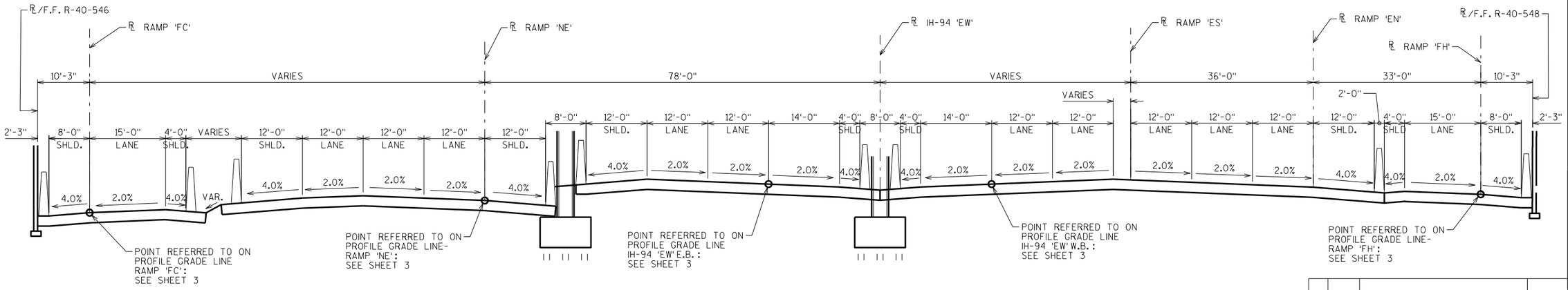
STATE PROJECT NUMBER

1060-33-80



CROSS SECTION THRU BRIDGE- STA. 63+81.05 TO 66+51.68

(LOOKING NORTH)



TYPICAL SECTION THRU ROADWAY

(LOOKING WEST NEAR BRIDGE)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-862

DRAWN BY	CAD	PLANS CK'D.	DFD

TYPICAL SECTIONS

SHEET 2

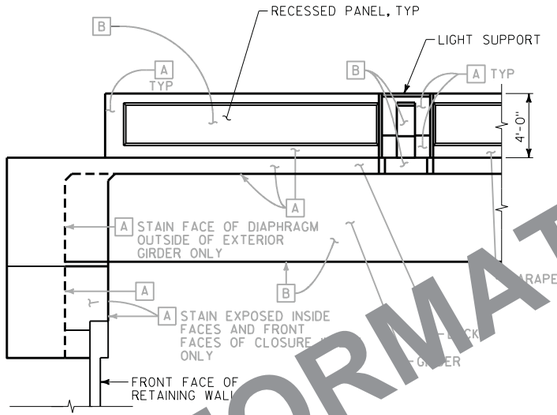
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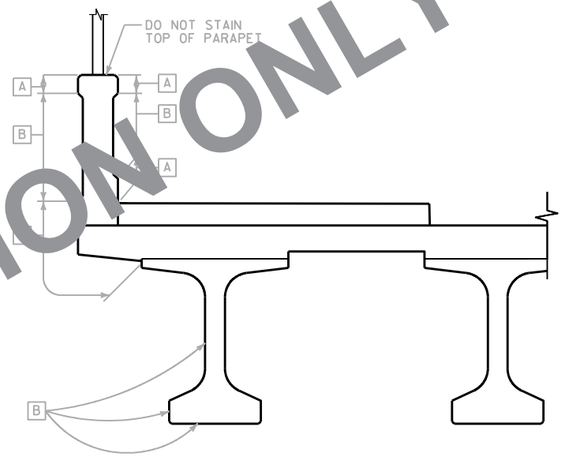
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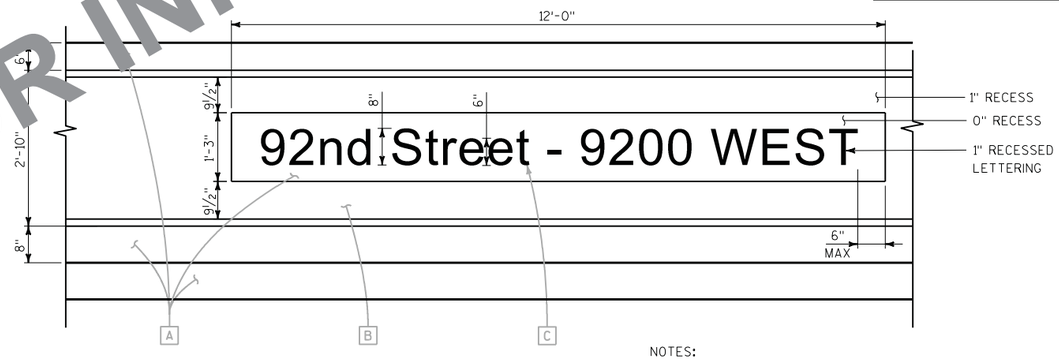
STATE PROJECT NUMBER

1060-33-80





OUTSIDE ELEVATION OF PARAPET

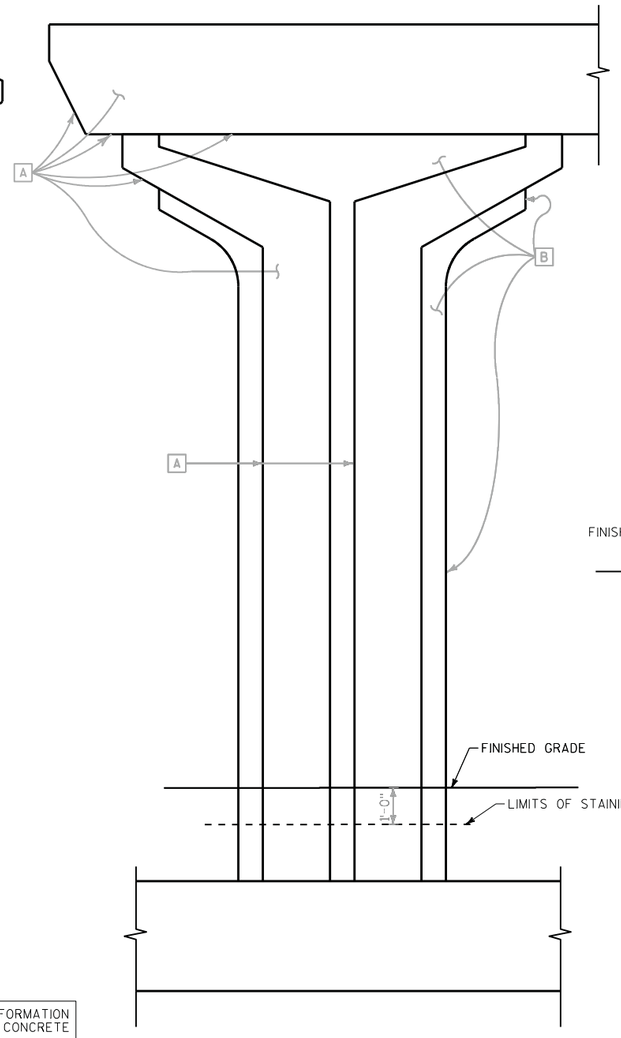


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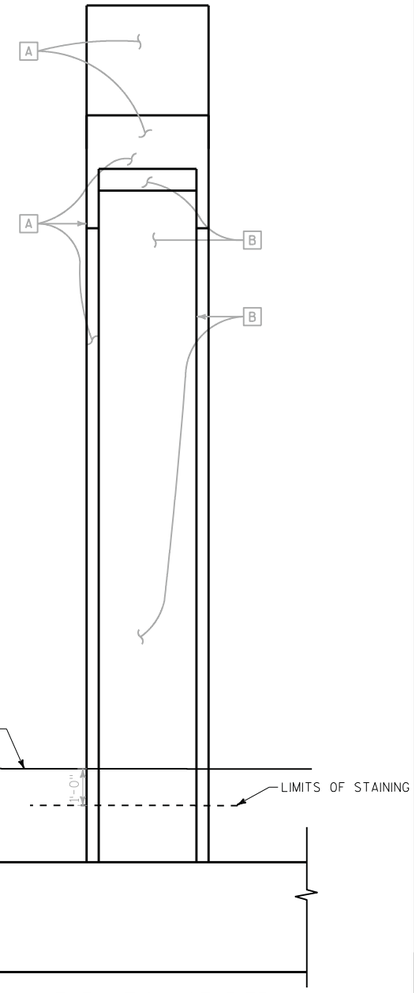
EXTERIOR FACE OF PARAPET ONLY

NOTES:
LETTERING SHALL BE HELVETICA, 8" UPPER CASE AND 6" LOWER CASE.
LETTERING IS ONLY ON OUTSIDE FACE OF PARAPET.
SEE SHT 34 FOR LOCATIONS.

ELEVATION OF DECK



ELEVATION OF PIER



ELEVATION OF PIER

LOOKING EAST

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO 6" BELOW TOP OF RETAINING WALL COPING
		ABUT. CLOSURE WALLS	INSIDE AND FRONT EXPOSED FACES TO 6" BELOW TOP OF RETAINING WALL COPING
		PIERS	SIDES AND BOTTOM OF CAP BEAM, AND COLUMNS TO 1'-0" BELOW FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PIERS, GIRDERS, BEAMS PARAPETS	REVEALS ON COLUMNS, EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS & BEAMS, REVEALS ON PARAPETS
C	ACCENT COLOR #2	PARAPETS	LETTERING AT ROADWAY NAME

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE SHERWIN-WILLIAMS STANDARD COLOR SYSTEM LISTED.

BASE COLOR : WHOLE WHEAT - SW 6121, FN 122
ACCENT COLOR #1: BAGUETTE - SW 6123, FN 124
ACCENT COLOR #2: BLACK - FEDERAL COLOR 37038

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-862

DRAWN BY CAD | PLANS CK'D. DFD

AESTHETIC DETAILS

SHEET 41

6548

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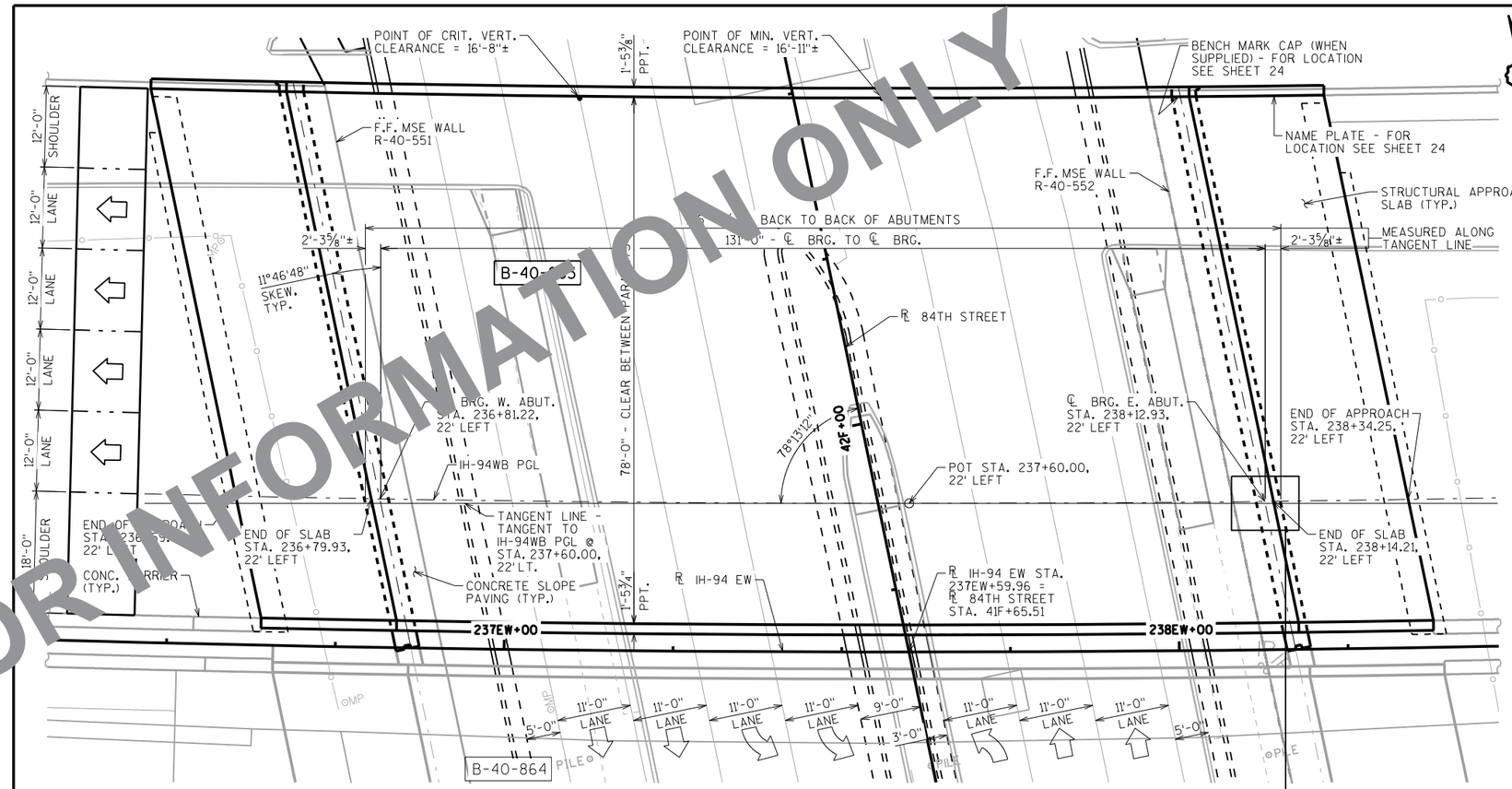
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8

FOR INFORMATION ONLY

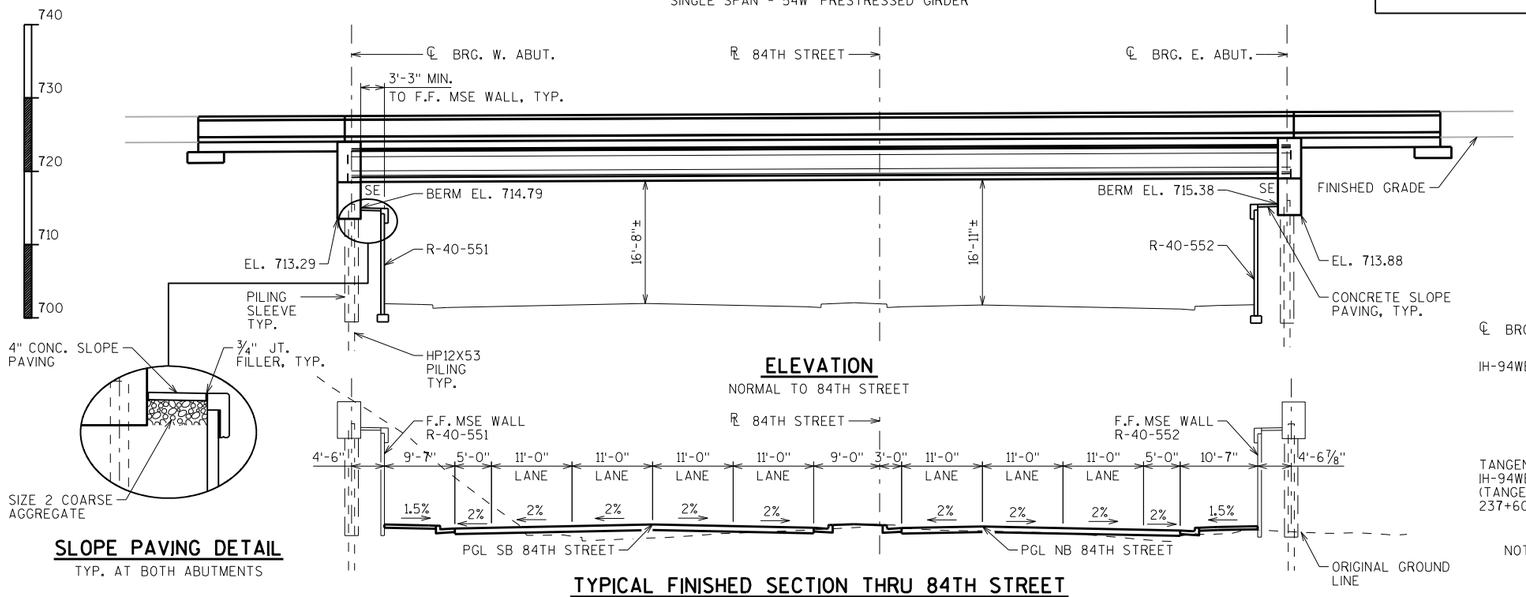
STATE PROJECT NUMBER

1060-33-80



PLAN

SINGLE SPAN - 54W" PRESTRESSED GIRDER



ELEVATION

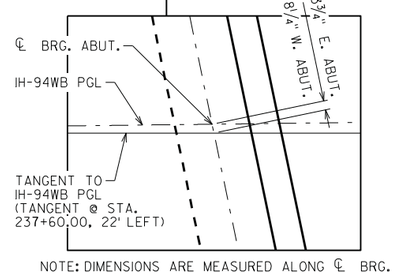
NORMAL TO 84TH STREET

SLOPE PAVING DETAIL

TYP. AT BOTH ABUTMENTS

TYPICAL FINISHED SECTION THRU 84TH STREET

LOOKING NORTH



NOTE: DIMENSIONS ARE MEASURED ALONG ℄ BRG.

TANGENT OFFSET DETAIL

EAST ABUT. SHOWN, WEST ABUT. SIMILAR

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.11
OPERATING RATING FACTOR: RF=1.87
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.
B-40-863 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB	f'c = 4,000 P.S.I.
CONCRETE MASONRY ALL OTHER	f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60	fy = 60,000 P.S.I.
54W" PRESTRESSED GIRDERS, CONCRETE MASONRY STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.	f'c = 8,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP12X53 PILING DRIVEN TO A REQUIRED RESISTANCE OF 215 TONS ** PER PILE AS DETERMINED BY THE PDA METHOD.
ESTIMATED 95'-0" LONG.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MUTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH-94

A.D.T. = 125,400 (2035)
R.D.S. = 60 M.P.H.

84TH STREET

A.D.T. = 22,500 (2035)
R.D.S. = 35 M.P.H.

CURVE DATA

℞ IH-94 EW

P.I. = 248+40.53
Δ = 31° 30' 38.10"
D = 1° 14' 44.02"
T = 1297.79
L = 2529.83
R = 4600.00
P.C. = 235+42.74
P.T. = 260+72.57

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. UTILITY DETAILS
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. WEST ABUTMENT REBAR DETAILS
8. EAST ABUTMENT
9. EAST ABUTMENT DETAILS
10. EAST ABUTMENT REBAR DETAILS
11. SUPERSTRUCTURE FRAMING PLAN
12. 54W" PRESTRESSED GIRDER
13. 54W" PRESTRESSED GIRDER DETAILS
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE
16. SUPERSTRUCTURE DETAILS
17. WEST DIAPHRAGM DETAILS
18. EAST DIAPHRAGM DETAILS
19. SUPERSTRUCTURE REBAR DETAILS
20. SUPERSTRUCTURE TANGENT OFFSET
21. WEST STRUCTURAL APPROACH SLAB
22. EAST STRUCTURAL APPROACH SLAB
23. STRUCTURAL APPROACH SLAB DETAILS
24. SINGLE SLOPE PARAPET "42SS" (MODIFIED)
25. SINGLE SLOPE PARAPET "56SS"
26. AESTHETIC DETAILS
27. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608)267-4593
AARON BONK (608)261-0261

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher DVB — CHIEF STRUCTURES DESIGN ENGINEER — 5/27/14 DATE

STRUCTURE B-40-863

IH-94 WB OVER 84TH STREET

COUNTY	MILWAUKEE
~~TOWN~~/CITY/~~VILLAGE~~	MILWAUKEE
DESIGN SPEC.	AASHTO LRFD DESIGN SPEC.
DESIGNED BY	ABS
DESIGN CK'D.	NAR
DRAWN BY	ABS
PLANS CK'D.	NAR

GENERAL PLAN

SHEET 1 OF 27

6549

I.D. 1060-33-07AC

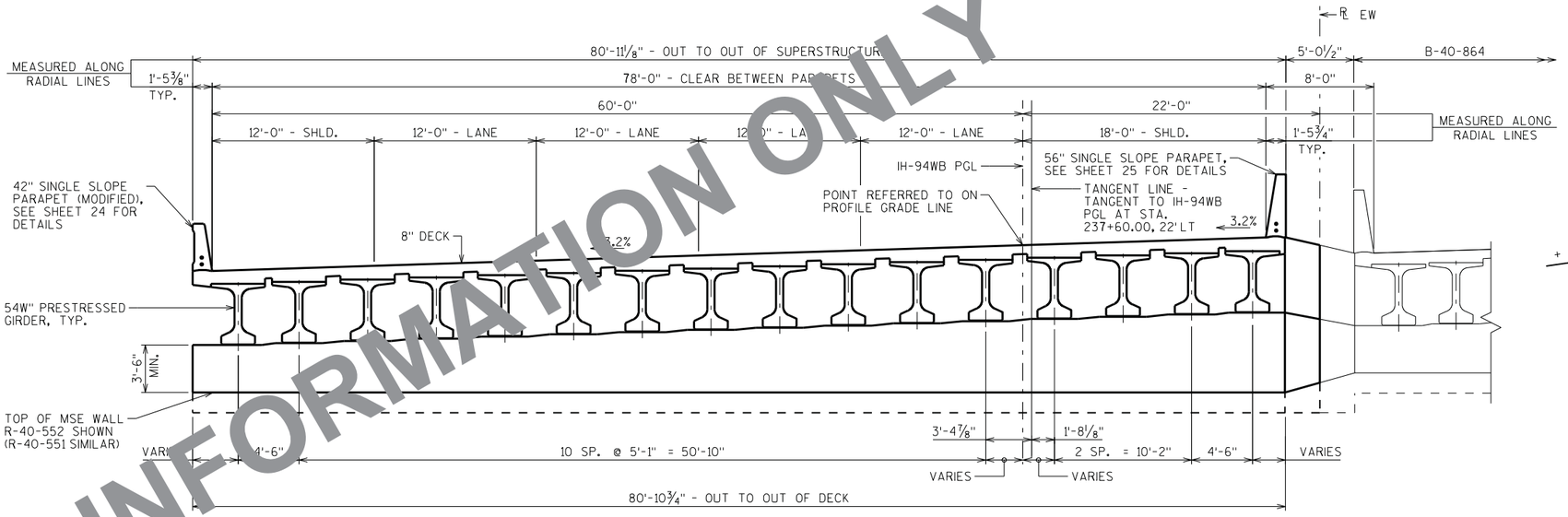
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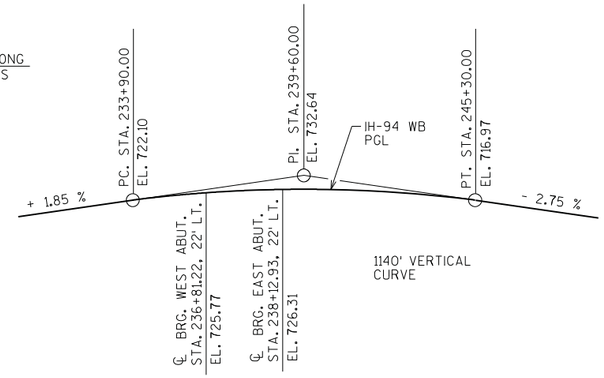
FOR INFORMATION ONLY

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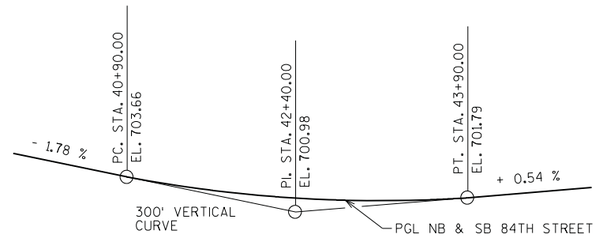
1060-33-80



SECTION THRU ROADWAY - LOOKING EAST (B-40-863)



PROFILE GRADE LINE IH-94 WB



PROFILE GRADE LINE NB & SB 84TH STREET

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	WEST APPR. SLAB	SUPER.	WEST ABUT.	EAST ABUT.	EAST APPR. SLAB	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-40-863	LS	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	285	285	———	570
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	255	———	———	———	255	510
502.0100	CONCRETE MASONRY BRIDGES	CY	22	———	69	68	22	181
502.3200	PROTECTIVE SURFACE TREATMENT	SY	205	1,375	———	———	205	1,785
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	———	2,112	———	———	———	2,112
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	———	———	5,380	5,340	———	10,720
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	18,130	63,380	200	170	17,940	99,820
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	16	16	———	32
506.4000	STEEL DIAPHRAGMS B-40-863	EACH	———	30	———	———	———	30
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	5	15	15	———	35
550.0500	PILE POINTS	EACH	———	———	14	14	———	28
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	1,330	1,330	———	2,660
604.0400	SLOPE PAVING CONCRETE	SY	———	———	30	30	———	60
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	80	24	———	———	80	184
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	———	520	———	———	———	520
SPV. 0035.4000	HPC MASONRY STRUCTURES	CY	88	494	———	———	88	670
SPV. 0060.4110	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	———	———	2	2	———	4
SPV. 0060.4115	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	———	———	2	2	———	4
SPV. 0085.4300	BAR STEEL REINFORCEMENT HS STAINLESS STEEL BRIDGES	LB	1,360	———	———	———	1,380	2,740
SPV. 0090.4430	PILING SLEEVES	LF	———	———	196	196	———	392
SPV. 0165.4700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,570	10,430	———	———	1,560	13,560
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½" & ¾"
	FILLER	SIZE	———	———	———	———	———	1½"
	EXPANDED POLYSTYRENE	SIZE	———	———	———	———	———	1" & 1½"

ALL ITEMS ARE CATEGORY 2100

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007). ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, THE FRONT FACE AND THE TOP OF THE 42SS PARAPET, AND TO ALL FACES OF THE 56SS PARAPET.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

EMBEDDED CONDUIT AND JUNCTION BOXES IN THE SOUTH PARAPET FOR FUTURE LIGHTING OF IH-94 ARE INCLUDED IN THE BRIDGE PLANS.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COURSE AGGREGATE SHALL BE CONSIDERED INCIDENTAL TO "SLOPE PAVING CONCRETE".

THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTURES."

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-40-863 ABUTMENTS WITH RETAINING WALLS R-40-551 AND R-40-552.

THE EXISTING STRUCTURES SOUTH OF B-40-863, B-40-90 AND B-40-91, ARE TO BE REMOVED AFTER COMPLETION OF B-40-863 (PRIOR TO CONSTRUCTION OF B-40-864), ARE FOUR SPAN STEEL BEAM BRIDGES WITH AN OVERALL WIDTH OF 63'-5" AND AN OVERALL LENGTH OF 174'-8". REMOVAL OF EXISTING STRUCTURES INCLUDED IN PLANS FOR B-40-864.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-863

DRAWN BY ABS | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

6550

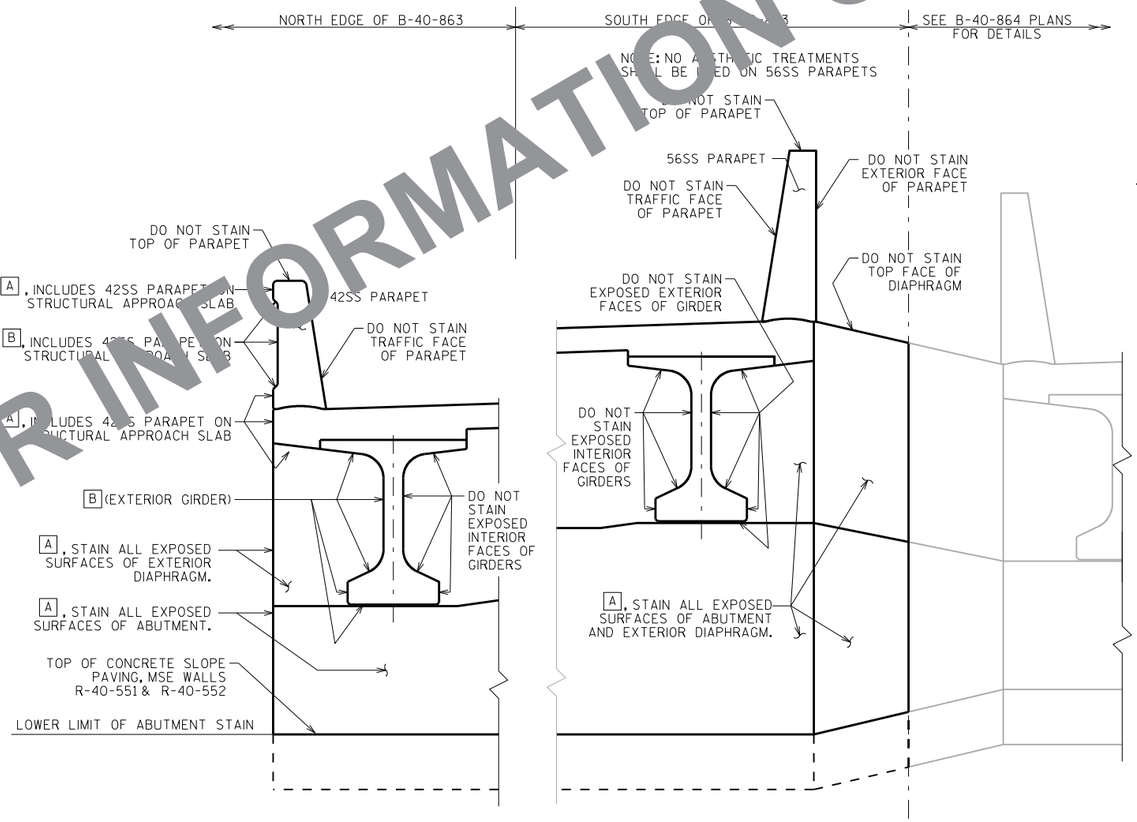
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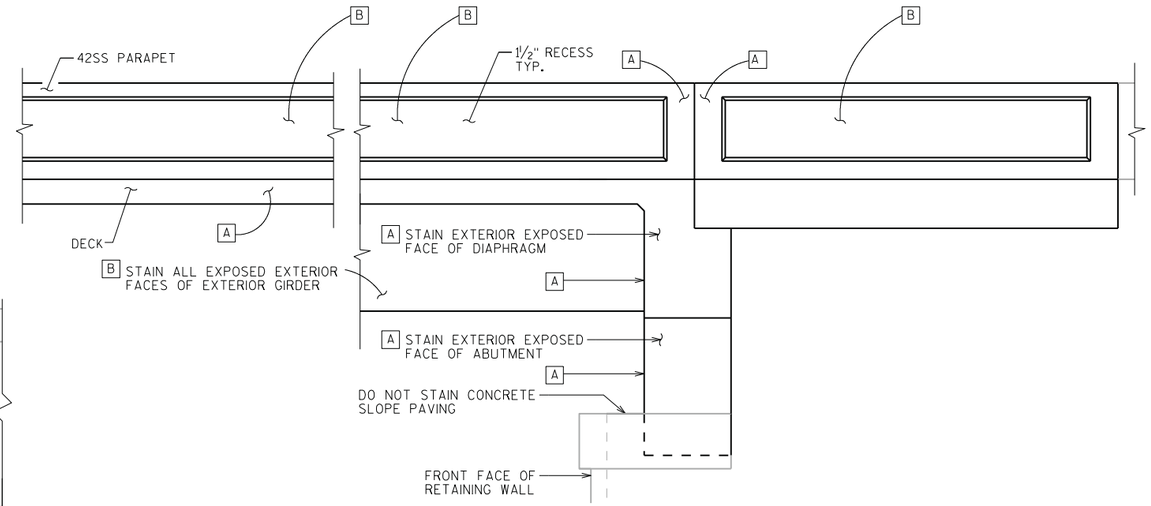
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PARTIAL ABUTMENT ELEVATIONS

(EAST ABUTMENT SHOWN - WEST ABUTMENT SIMILAR)



OUTSIDE ELEVATION OF PARAPET TYP.

(WEST ABUTMENT SHOWN - EAST ABUTMENT SIMILAR)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	42SS PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS.
		DECK	FASCIA AND EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE.
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF SLOPE PAVING, EXTERIOR EXPOSED FACE OF DIAPHRAGM
B	ACCENT COLOR #1	42SS PARAPETS	RECESSED PANELS ON EXTERIOR FACE.
		GIRDER	EXTERIOR FACES AND UNDERSIDE OF EXTERIOR GIRDER BOTTOM FLANGE

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:
BASE COLOR: FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 333448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-863

DRAWN BY ABS | PLANS CK'D. NAR

AESTHETIC DETAILS

SHEET 26

6551

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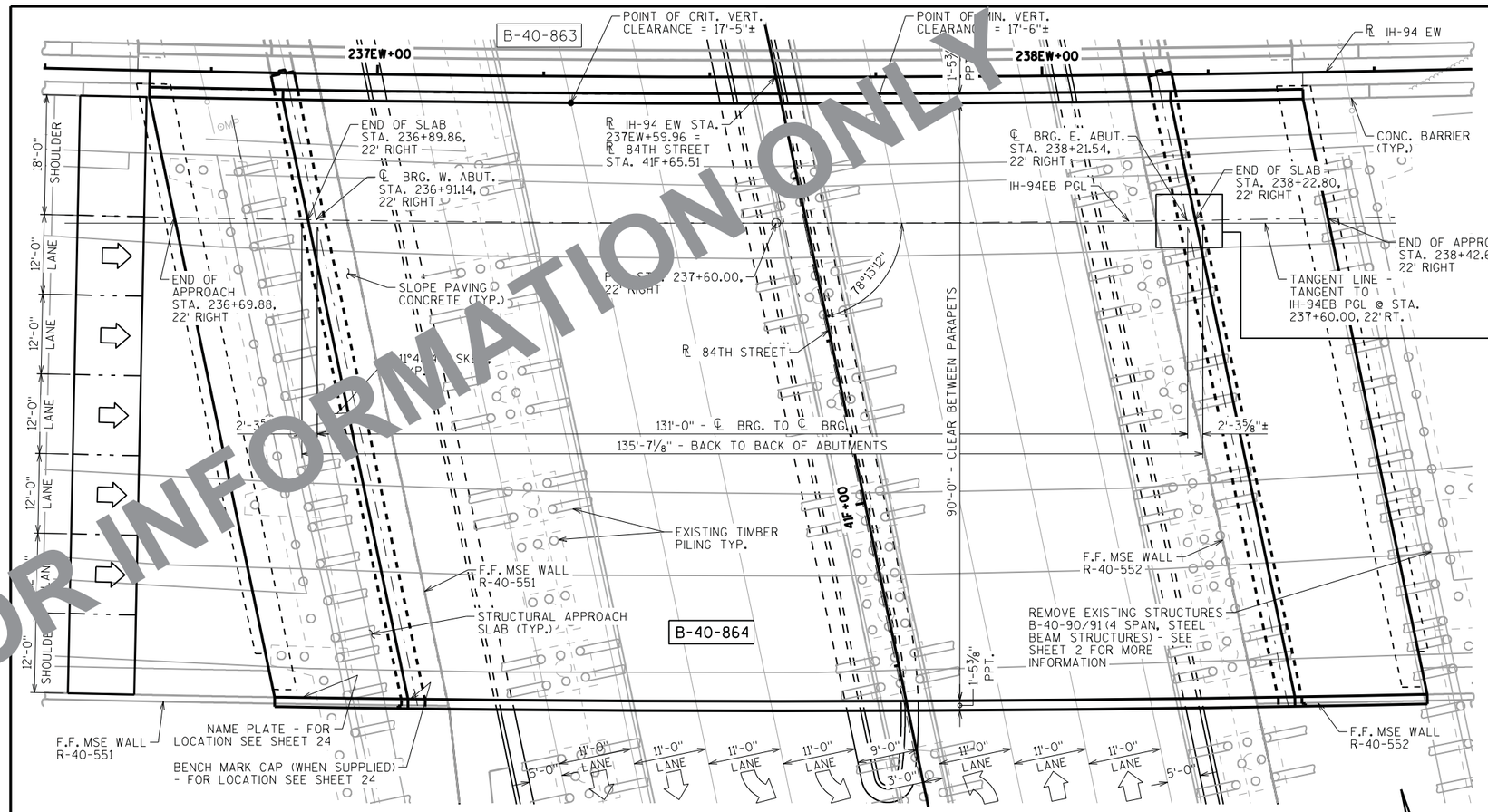
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FOR INFORMATION ONLY

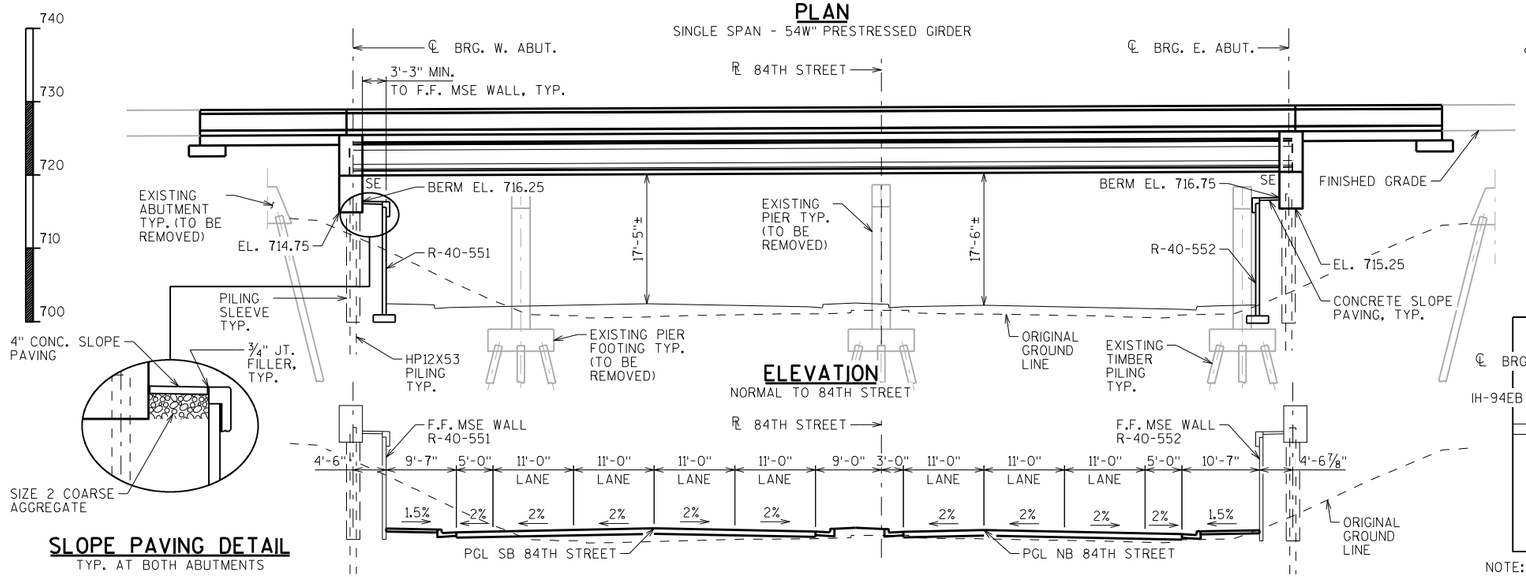
STATE PROJECT NUMBER

1060-33-80



PLAN

SINGLE SPAN - 54W" PRESTRESSED GIRDER



SLOPE PAVING DETAIL

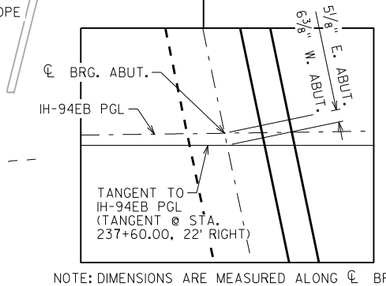
TYP. AT BOTH ABUTMENTS

ELEVATION

NORMAL TO 84TH STREET

TYPICAL FINISHED SECTION THRU 84TH STREET

LOOKING NORTH



NOTE: DIMENSIONS ARE MEASURED ALONG ℄ BRG.

TANGENT OFFSET DETAIL

EAST ABUT. SHOWN, WEST ABUT. SIMILAR

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.09
OPERATING RATING FACTOR: RF=1.87
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.
B-40-864 IS RATED FOR A POLYMER OVERLAY THAT WILL BE APPLIED TO THE BRIDGE DECK IN A LATER CONTRACT

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — f'c = 4,000 P.S.I.
CONCRETE MASONRY ALL OTHER — f'c = 4,000 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.
54W" PRESTRESSED GIRDERS, CONCRETE MASONRY STRANDS - 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I. — f'c = 8,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP12X53 PILING DRIVEN TO A REQUIRED RESISTANCE OF 210 TONS ** PER PILE AS DETERMINED BY THE PDA METHOD.
ESTIMATED 95'-0" LONG @ WEST ABUTMENT.
ESTIMATED 90'-0" LONG @ EAST ABUTMENT.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MUTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA METHOD TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

IH-94

A.D.T. = 125,400 (2035)
R.D.S. = 60 M.P.H.

84TH STREET

A.D.T. = 22,500 (2035)
R.D.S. = 35 M.P.H.

CURVE DATA

℄ IH-94 EW

P.I. = 248+40.53
Δ = 31° 30' 38.10"
D = 1° 14' 44.02"
T = 1297.79
L = 2529.83
R = 4600.00
P.C. = 235+42.74
P.T. = 260+72.57

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. UTILITY DETAILS
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. WEST ABUTMENT REBAR DETAILS
8. EAST ABUTMENT
9. EAST ABUTMENT DETAILS
10. EAST ABUTMENT REBAR DETAILS
11. SUPERSTRUCTURE FRAMING PLAN
12. 54W" PRESTRESSED GIRDER
13. 54W" PRESTRESSED GIRDER DETAILS
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE
16. SUPERSTRUCTURE DETAILS
17. WEST DIAPHRAGM DETAILS
18. EAST DIAPHRAGM DETAILS
19. SUPERSTRUCTURE REBAR DETAILS
20. SUPERSTRUCTURE TANGET OFFSET
21. WEST STRUCTURAL APPROACH SLAB
22. EAST STRUCTURAL APPROACH SLAB
23. STRUCTURAL APPROACH SLAB DETAILS
24. SINGLE SLOPE PARAPET "42SS" (MODIFIED)
25. SINGLE SLOPE PARAPET "56SS"
26. PIPE RAILING DETAILS
27. AESTHETIC DETAILS
28. ALTERNATE CONSTRUCTION JOINT

STRUCTURE DESIGN CONTACTS:

ADAM SWIERCZEK (608) 267-4593
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher DNR — CHIEF STRUCTURES DESIGN ENGINEER — 5/27/14 DATE

STRUCTURE B-40-864

IH-94 EB OVER 84TH STREET

COUNTY: MILWAUKEE — ~~TOWN~~/CITY/~~VILLAGE~~: MILWAUKEE
DESIGN SPEC.: AASHTO LRFD DESIGN SPEC.
DESIGNED BY: ABS — DESIGN CK'D: NAR — DRAWN BY: ABS — PLANS CK'D: NAR

GENERAL PLAN

SHEET 1 OF 28

6552

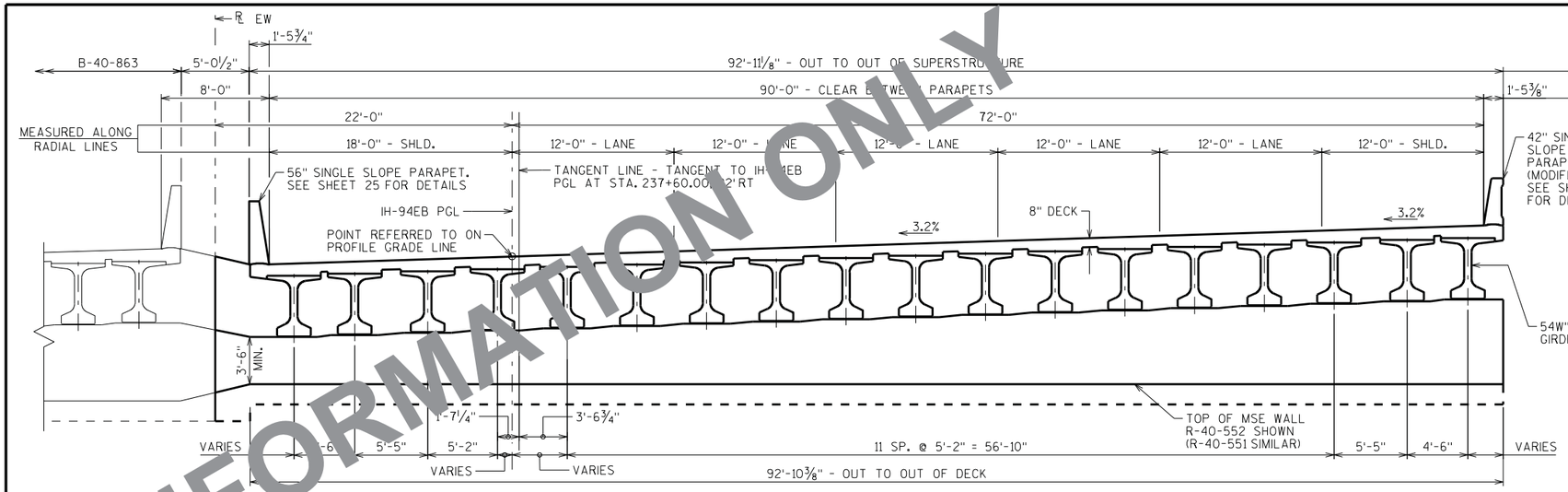
I.D. 1060-33-07AD

DATE: APR. 2014

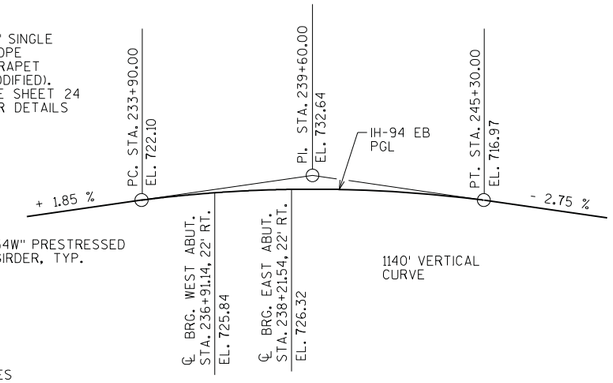
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FOR INFORMATION ONLY

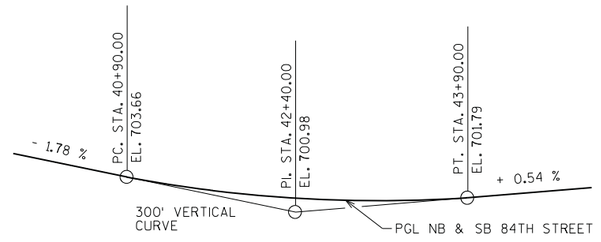
STATE PROJECT NUMBER
1060-33-80



SECTION THRU ROADWAY - LOOKING EAST (B-40-864)



PROFILE GRADE LINE IH-94 EB



PROFILE GRADE LINE NB & SB 84TH STREET

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	WEST APPR. SLAB	SUPER.	WEST ABUT.	EAST ABUT.	EAST APPR. SLAB	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 237+50	LS	———	———	———	———	———	1
203.0200	REMOVING OLD STRUCTURE STA. 237+60	LS	———	———	———	———	———	1
203.0210.S.0002	ABATEMENT OF ASBESTOS CONTAINING MATERIAL STRUCTURE B-40-90	LS	———	———	———	———	———	1
203.0210.S.0003	ABATEMENT OF ASBESTOS CONTAINING MATERIAL STRUCTURE B-40-91	LS	———	———	———	———	———	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-40-864	LS	———	———	———	———	———	1
210.0100	BACKFILL STRUCTURE	CY	———	———	335	330	———	665
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	290	———	———	———	290	580
502.0100	CONCRETE MASONRY BRIDGES	CY	26	———	82	81	26	215
502.3200	PROTECTIVE SURFACE TREATMENT	SY	235	1,550	———	———	230	2,015
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	———	2,376	———	———	———	2,376
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	———	———	6,240	6,270	———	12,510
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	20,650	71,500	290	350	21,810	113,600
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	———	———	18	18	———	36
506.4000	STEEL DIAPHRAGMS B-40-864	EACH	———	34	———	———	———	34
513.2000	RAILING PIPE B-40-864	LS	———	———	———	———	———	1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	———	5	20	20	———	45
550.0500	PILE POINTS	EACH	———	———	16	16	———	32
550.1120	PILING STEEL HP 12-INCH X 53 LB	LF	———	———	1,520	1,440	———	2,960
604.0400	SLOPE PAVING CONCRETE	SY	———	———	30	30	———	60
SPV. 0035.4000	HPC MASONRY STRUCTURES	CY	99	559	———	———	99	757
SPV. 0060.4110	PILE DYNAMIC ANALYZER (PDA) TESTING	EACH	———	———	2	2	———	4
SPV. 0060.4115	PILE DYNAMIC ANALYZER (PDA) RESTRIKES	EACH	———	———	2	2	———	4
SPV. 0085.4300	BAR STEEL REINFORCEMENT HS STAINLESS STEEL BRIDGES	LB	1,580	———	———	———	1,580	3,160
SPV.0090.4430	PILING SLEEVES	LF	———	———	224	224	———	448
SPV. 0165.4700	LONGITUDINAL GROOVING BRIDGE DECK	SF	1,810	12,020	———	———	1,795	15,625
	NON-BID ITEMS							
	FILLER	SIZE	———	———	———	———	———	½" & ¾"
	FILLER	SIZE	———	———	———	———	———	1½"
	EXPANDED POLYSTYRENE	SIZE	———	———	———	———	———	1" & 1½"

ALL ITEMS ARE CATEGORY 2110

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007). ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE GRADATION OF THE STRUCTURE BACKFILL SHALL MEET THE REQUIREMENTS OF SECTION 209.2.2 OF THE STANDARD SPECIFICATIONS FOR GRADE 1 MATERIAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, THE FRONT FACE AND THE TOP OF THE 42SS PARAPET, AND TO ALL FACES OF THE 56SS PARAPET.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

THE COST OF FURNISHING AND PLACING THE SIZE 2 COURSE AGGREGATE SHALL BE CONSIDERED INCIDENTAL TO "SLOPE PAVING CONCRETE".

THE CONCRETE QUANTITIES FOR THE PARAPETS, SUPERSTRUCTURE DECK, APPROACH SLABS (EXCLUDING THE FOOTING), CONCRETE DIAPHRAGMS AND HAUNCH OVER GIRDERS SHALL BE PAID FOR UNDER THE BID ITEM "HPC MASONRY STRUCTURES."

THE CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF THE BRIDGE B-40-864 ABUTMENTS WITH RETAINING WALLS R-40-551 AND R-40-552.

THE EXISTING STRUCTURES SOUTH OF B-40-863, B-40-90 AND B-40-91, ARE TO BE REMOVED AFTER COMPLETION OF B-40-863 (PRIOR TO CONSTRUCTION OF B-40-864), ARE FOUR SPAN STEEL BEAM BRIDGES WITH AN OVERALL WIDTH OF 63'-5" AND AN OVERALL LENGTH OF 174'-8".

IT IS ANTICIPATED THAT THE EXISTING PIER FOOTINGS WILL BE REMOVED PRIOR TO THE STAGE 4A TRAFFIC CONFIGURATION. REFER TO ROADWAY PLANS FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-864

DRAWN BY ABS | PLANS CK'D. NAR

CROSS SECTION & QUANTITIES

SHEET 2

6553

8

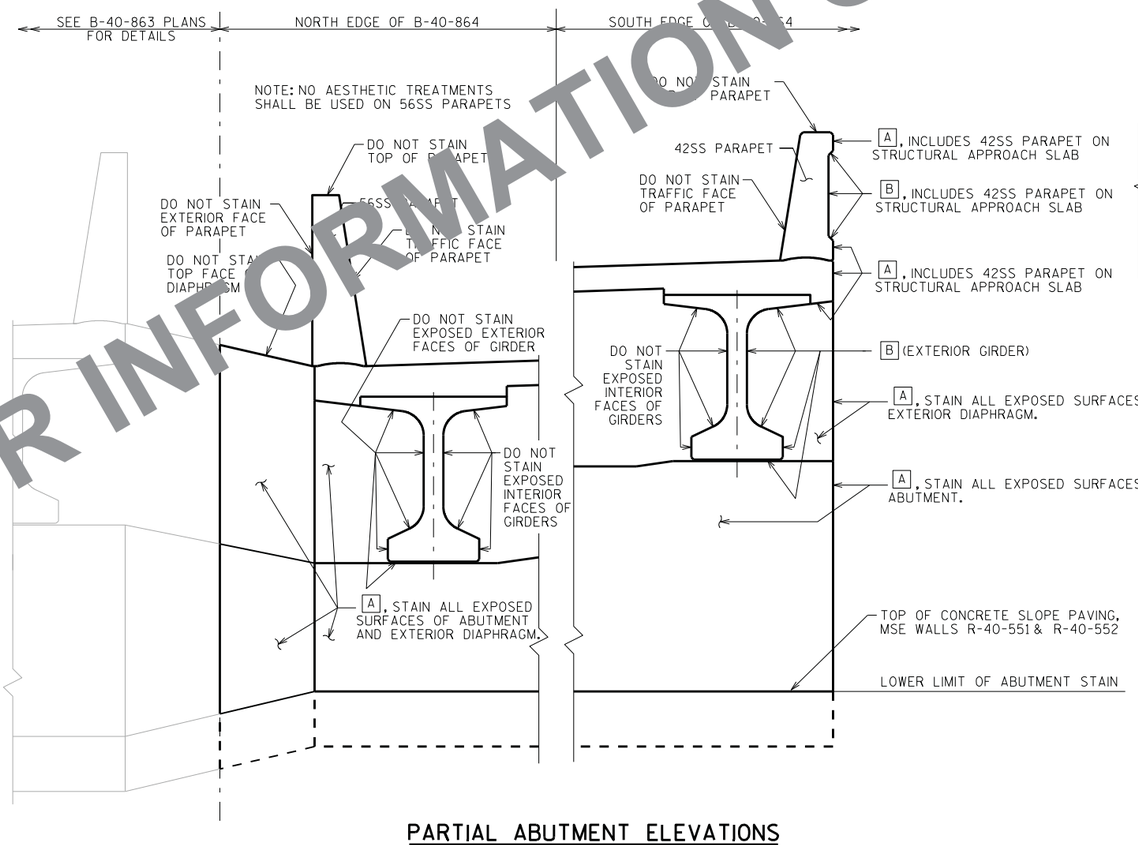
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FOR INFORMATION ONLY

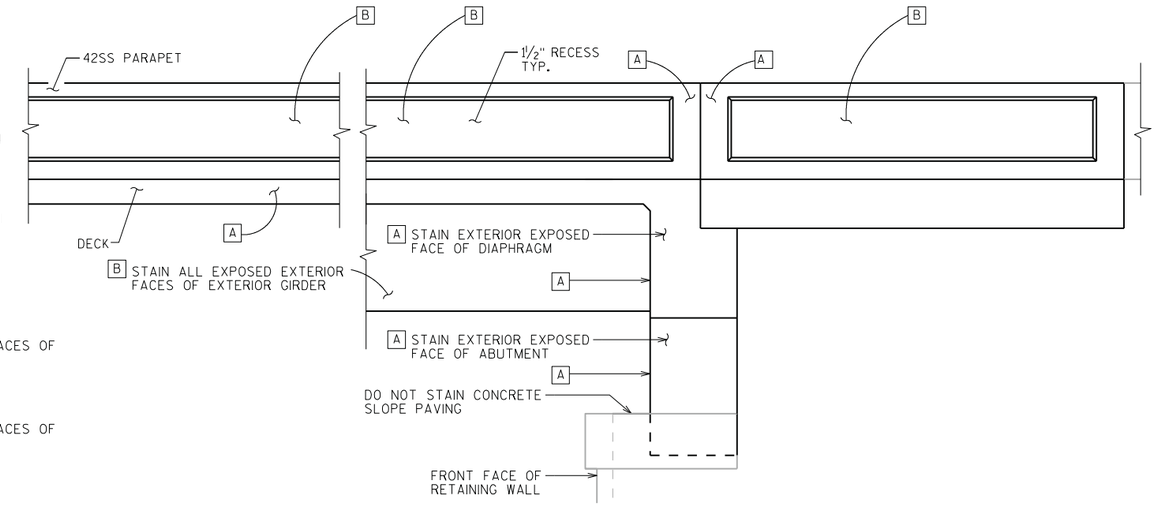
STATE PROJECT NUMBER

1160-33-80



PARTIAL ABUTMENT ELEVATIONS

(EAST ABUTMENT SHOWN - WEST ABUTMENT SIMILAR)



OUTSIDE ELEVATION OF PARAPET TYP.

(EAST ABUTMENT SHOWN - WEST ABUTMENT SIMILAR)

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	42SS PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS.
		DECK	FASCIA AND EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE.
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF SLOPE PAVING, EXTERIOR EXPOSED FACE OF DIAPHRAGM
B	ACCENT COLOR #1	42SS PARAPETS	RECESSED PANELS ON EXTERIOR FACE.
		GIRDER	EXTERIOR FACES AND UNDERSIDE OF EXTERIOR GIRDER BOTTOM FLANGE

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:
BASE COLOR: FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 333448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-864

DRAWN BY ABS | PLANS CK'D. NAR

AESTHETIC DETAILS

SHEET 27

6554

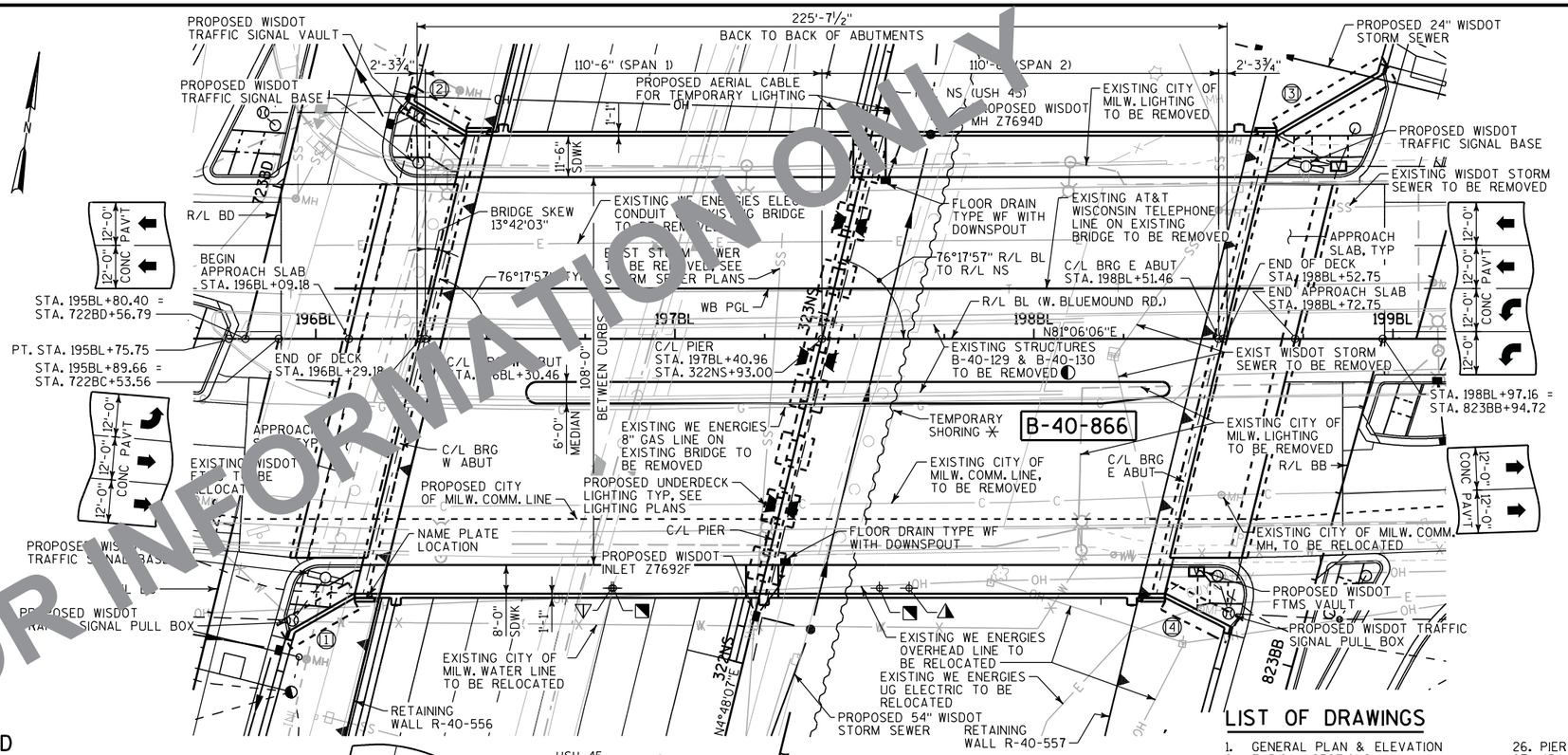
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SCALE = 2

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



DESIGN DATA

DESIGN SPECIFICATION:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.09
OPERATING RATING FACTOR: RF = 1.68
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 psi
- SUBSTRUCTURE ..... f'c = 4,000 psi
- 45W-INCH PRESTRESSED GIRDERS ..... f'c = 9,000 psi

BAR STEEL REINFORCEMENT ..... fy = 60,000 psi
STEEL PILING ..... fy = 50,000 psi
PRESTRESSING STRANDS ..... ULTIMATE TENSILE STRENGTH = 270,000 psi

FOUNDATION DATA

ABUTMENTS AND PIER SHALL BE SUPPORTED ON HP 12x53 STEEL PILING

REQUIRED DRIVING RESISTANCE AS DETERMINED BY THE PDA/CAPWAP ACCEPTANCE METHOD.

WEST ABUTMENT:	235 TONS PER PILE
PIER:	165 TONS PER PILE
EAST ABUTMENT:	210 TONS PER PILE

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.65 USING THE PDA/CAPWAP ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.

ESTIMATED PILE LENGTHS:

WEST ABUTMENT:	80 FEET
PIER:	55 FEET
EAST ABUTMENT:	85 FEET

LEGEND

- (X) INDICATES WING NUMBER
- POINT OF MINIMUM VERTICAL CLEARANCE
- POINT OF MINIMUM VERTICAL CLEARANCE DURING CONSTRUCTION (ROADWAY STAGE 1B)
- POINT OF MINIMUM VERTICAL CLEARANCE DURING CONSTRUCTION (ROADWAY STAGE 1C)
- EXISTING STRUCTURES B-40-129 AND B-40-130 ARE 4 SPAN PRESTRESSED GIRDER BRIDGES.
- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- TEMPORARY SHORING FOR STORM SEWER INSTALLATION AND FOOTING EXCAVATION. PAYMENT FOR TEMPORARY SHORING IS INCLUDED WITH THE STORM SEWER CONSTRUCTION. SEE STORM SEWER PLANS.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTIONS
3. GENERAL NOTES & PROFILE GRADE LINES
4. QUANTITIES
5. SUBSURFACE EXPLORATION (1 OF 2)
6. SUBSURFACE EXPLORATION (2 OF 2)
7. WEST ABUTMENT
8. WEST ABUTMENT DETAILS (1 OF 3)
9. WEST ABUTMENT DETAILS (2 OF 3)
10. WEST ABUTMENT DETAILS (3 OF 3)
11. WEST ABUTMENT WINGS (1 OF 4)
12. WEST ABUTMENT WINGS (2 OF 4)
13. WEST ABUTMENT WINGS (3 OF 4)
14. WEST ABUTMENT WINGS (4 OF 4)
15. EAST ABUTMENT
16. EAST ABUTMENT DETAILS (1 OF 3)
17. EAST ABUTMENT DETAILS (2 OF 3)
18. EAST ABUTMENT DETAILS (3 OF 3)
19. EAST ABUTMENT WINGS (1 OF 4)
20. EAST ABUTMENT WINGS (2 OF 4)
21. EAST ABUTMENT WINGS (3 OF 4)
22. EAST ABUTMENT WINGS (4 OF 4)
23. PIER (1 OF 4)
24. PIER (2 OF 4)
25. PIER (3 OF 4)
26. PIER (4 OF 4)
27. 45W" PRESTRESSED GIRDER
28. 45W" PRESTRESSED GIRDER DETAILS
29. STEEL DIAPHRAGM
30. SUPERSTRUCTURE FRAMING PLAN
31. SUPERSTRUCTURE REINFORCEMENT
32. SUPERSTRUCTURE CROSS SECTION
33. SUPERSTRUCTURE DETAILS (1 OF 4)
34. SUPERSTRUCTURE DETAILS (2 OF 4)
35. SUPERSTRUCTURE DETAILS (3 OF 4)
36. SUPERSTRUCTURE DETAILS (4 OF 4)
37. STRUCTURAL APPROACH SLAB
38. VERTICAL FACE PARAPET (1 OF 2)
39. VERTICAL FACE PARAPET (2 OF 2)
40. LIGHT SUPPORT DETAILS
41. LIGHT SUPPORT REINFORCEMENT
42. FENCE DECORATIVE BRIDGE (1 OF 3)
43. FENCE DECORATIVE BRIDGE (2 OF 3)
44. FENCE DECORATIVE BRIDGE (3 OF 3)
45. FENCE DECORATIVE WING (1 OF 3)
46. FENCE DECORATIVE WING (2 OF 3)
47. FENCE DECORATIVE WING (3 OF 3)
48. UNDERDECK UTILITY DETAILS
49. FLOOR DRAIN PIPING
50. FLOOR DRAIN TYPE WF
51. AESTHETIC DETAILS

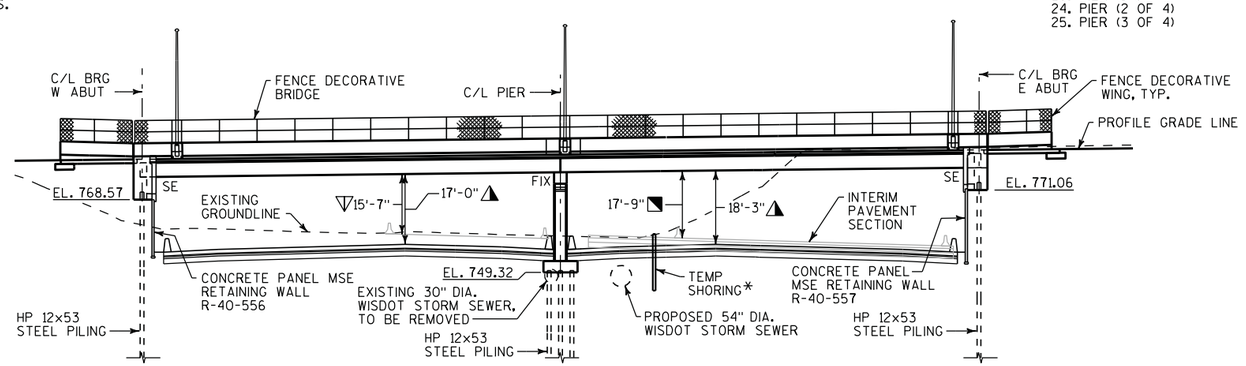
TRAFFIC DATA

W. BLUEMOUND ROAD

ADT = 15,300 (2009)
ADT = 23,400 (2035)
RDS = 40 MPH

USH 45

ADT = 153,000 (2009)
ADT = 197,500 (2035)
RDS = 60 MPH





STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/16/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-866

USH 18 (W. BLUEMOUND RD.) BRIDGE OVER USH 45

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE/WAUWATOSA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	MS	DESIGN CK'D.	BKS	DRAWN BY	MS	PLANS CK'D.	BKS

GENERAL PLAN & ELEVATION

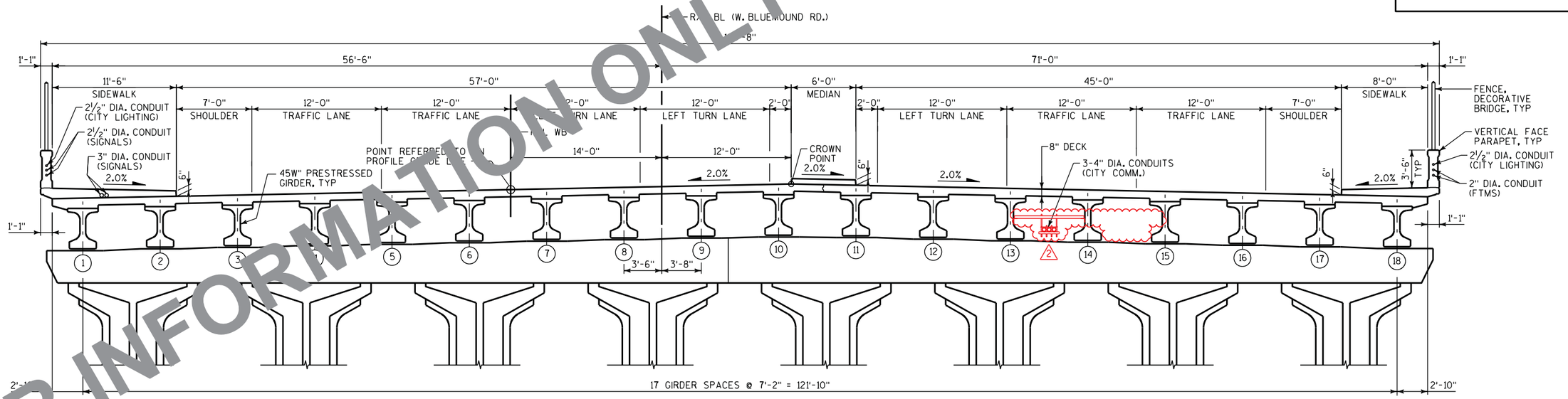
SHEET 1 OF 51

8

8

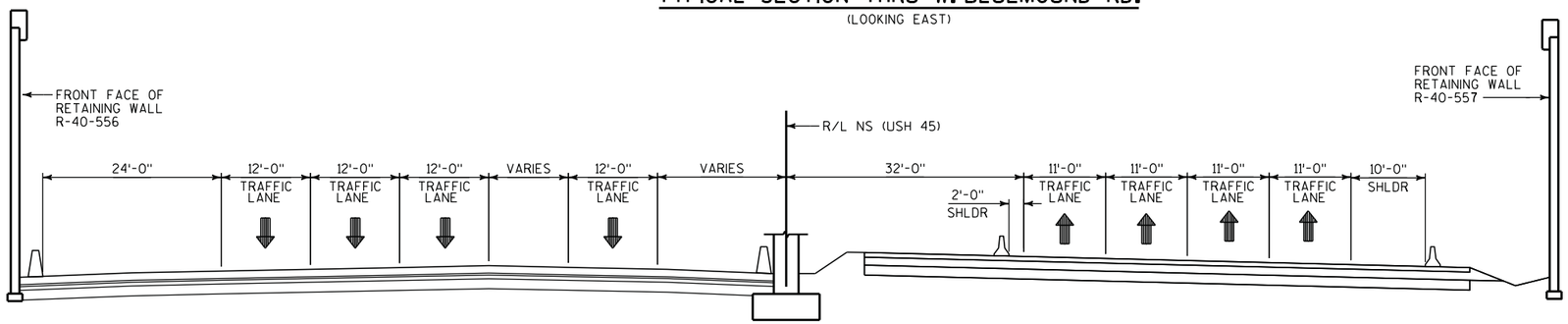
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



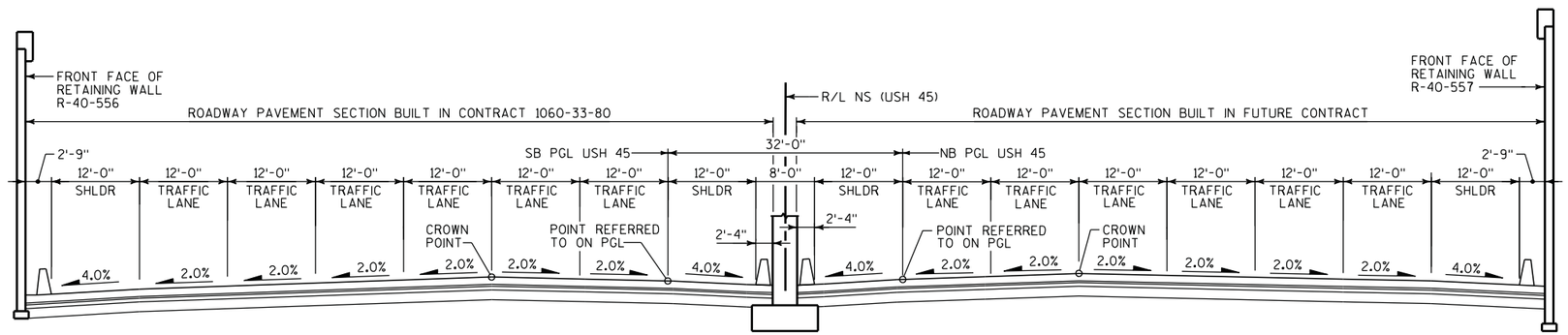
TYPICAL SECTION THRU W. BLUEMOUND RD.

(LOOKING EAST)



USH 45 INTERIM TYPICAL SECTION UNDER W. BLUEMOUND RD. BRIDGE

ROADWAY TRAFFIC STAGE 5A SHOWN
(LOOKING NORTH)



USH 45 ULTIMATE TYPICAL SECTION UNDER W. BLUEMOUND RD. BRIDGE

(LOOKING NORTH)

NO.	DATE	REVISION	BY
2	10/3/14	CITY COMM. CONDUIT CHANGE	BKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-866

DRAWN BY: MS | PLANS CK'D.: BKS

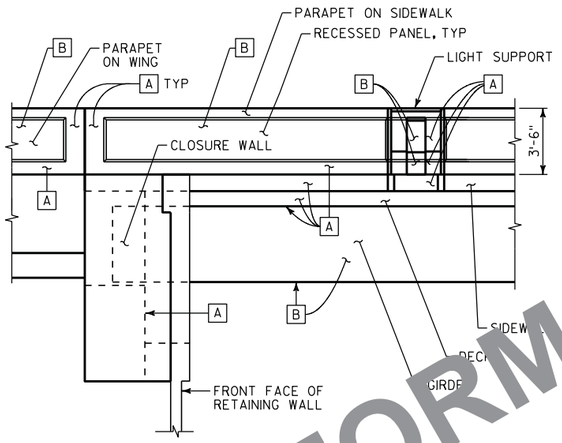
TYPICAL SECTIONS

SHEET 2 OF 51

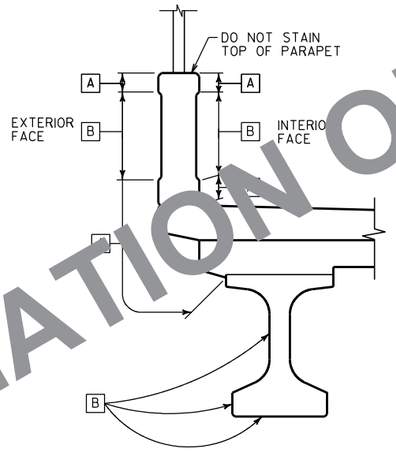
2782
6556

FOR INFORMATION ONLY

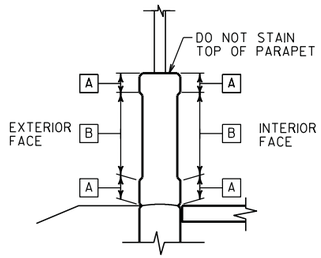
STATE PROJECT NUMBER
1060-33-80



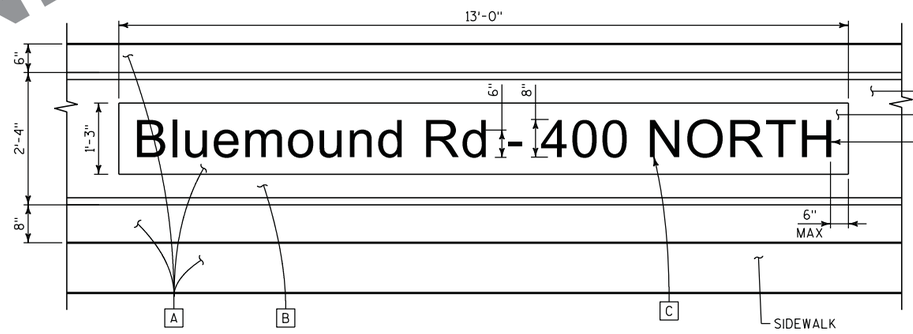
OUTSIDE ELEVATION OF PARAPET



PARTIAL SECTION THRU DECK



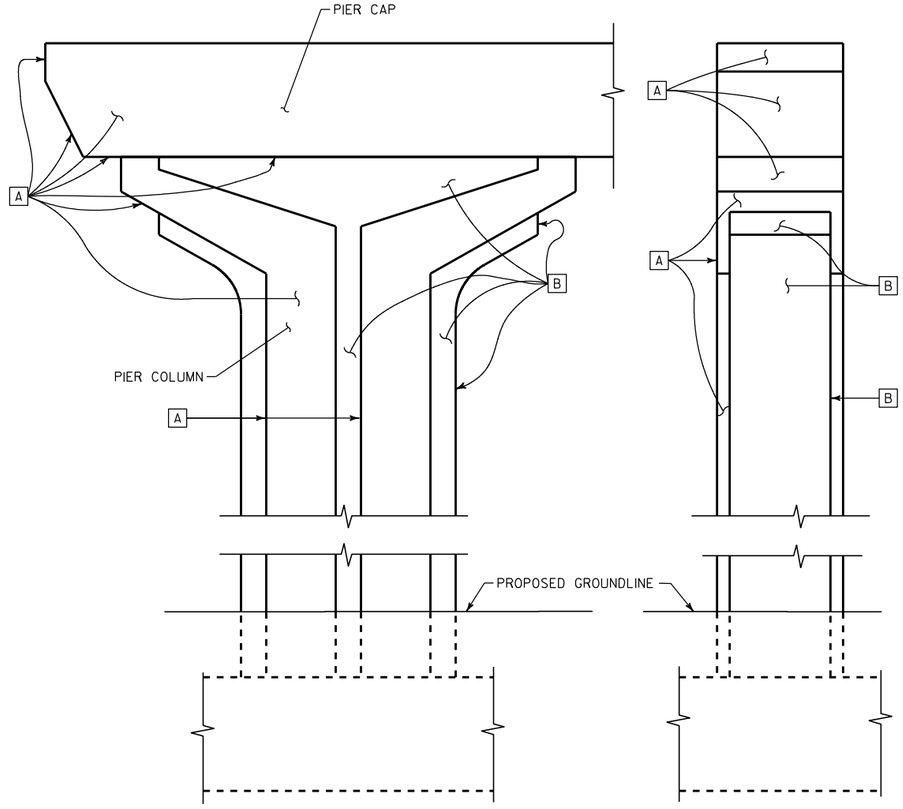
SECTION THRU WING PARAPET



INDENTED TEXT

EXTERIOR FACE OF PARAPET ONLY

INDENTED TEXT NOTES:
LETTERING SHALL BE HELVETICA. 8" UPPER CASE AND 6" LOWER CASE.
LETTERING IS ONLY ON EXTERIOR FACE OF PARAPET.
SEE VERTICAL FACE PARAPET SHEETS FOR LOCATIONS.



ELEVATION OF PIER

END SECTION OF PIER

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	INTERIOR & EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		SIDEWALKS	FASCIA & EXPOSED UNDERSIDE
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE FROM TOP OF ABUTMENT TO TOP OF CONCRETE SLOPE PAVING
		PIERS	SIDES AND BOTTOM OF CAP BEAM. COLUMNS TO PROPOSED GROUNDLINE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	PIERS	REVEALS ON COLUMNS
		GIRDERS	EXTERIOR FACE AND UNDERSIDE OF EXTERIOR GIRDERS
		PARAPETS	RECESSED PANELS ON INTERIOR & EXTERIOR FACE
C	ACCENT COLOR #2	PARAPETS	LETTERING AT ROADWAY NAME

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED.

BASE COLOR : 33564
ACCENT COLOR #1: 33448
ACCENT COLOR #2: 37038

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE PREFORMED BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-866

DRAWN BY MS | PLANS CK'D. BKS

AESTHETIC DETAILS

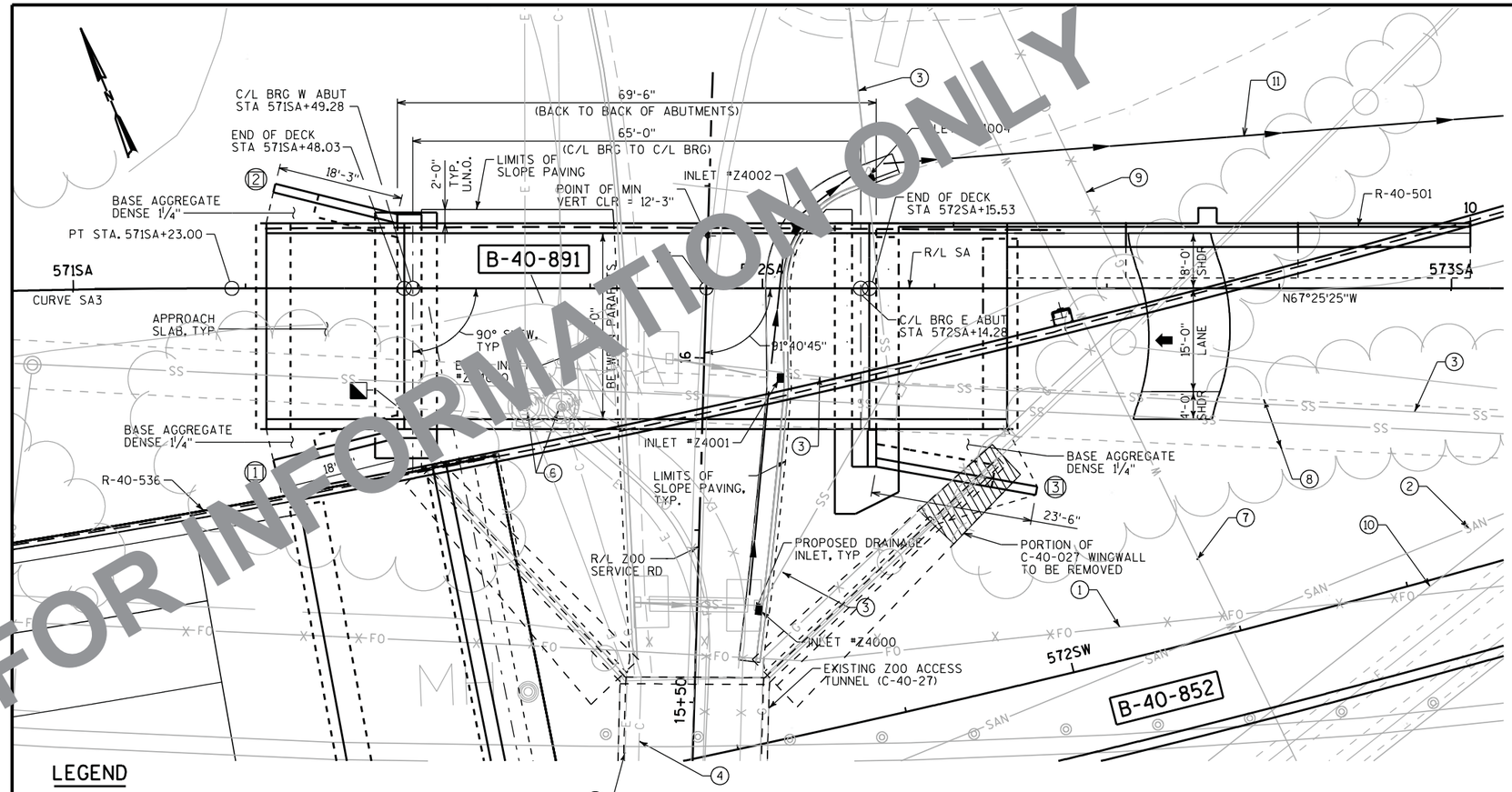
SHEET 51 OF 51

8

8

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

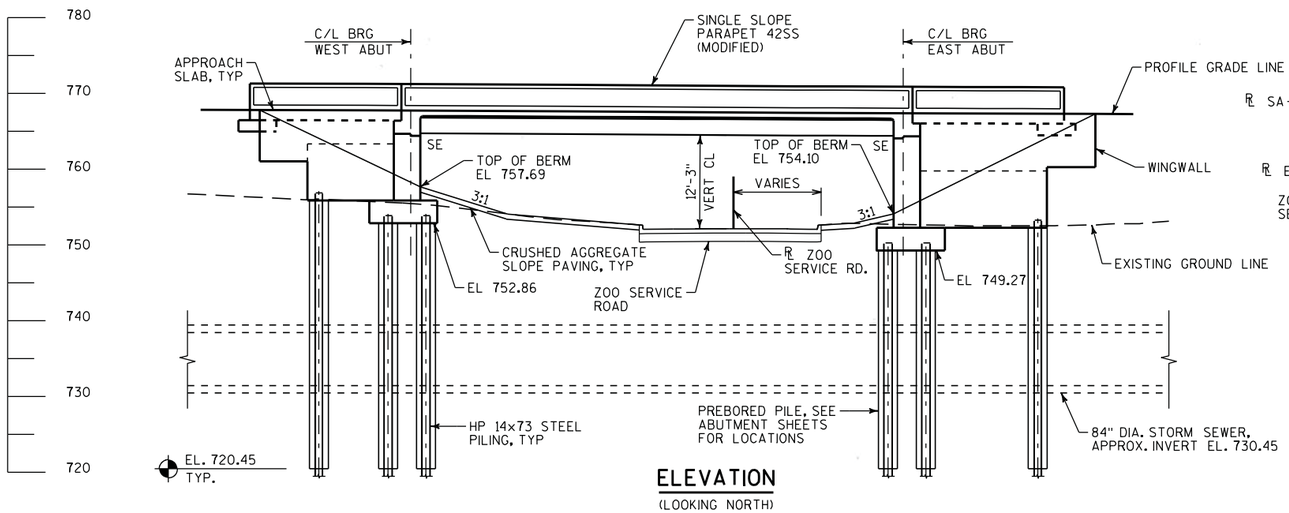


PLAN

(SIMPLE SPAN ROLLED WIDE FLANGE GIRDER)

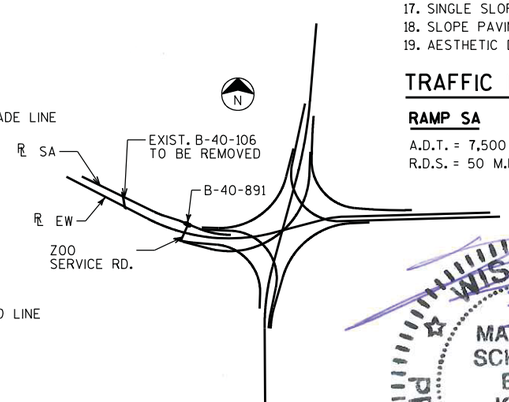
LEGEND

- NAME PLATE LOCATION
- TRAFFIC DIRECTION
- (X) WING NUMBER
- ☆ STA 571SA+91.87 R/L SA = STA 16+10.13 R/L ZOO SERVICE RD



ELEVATION

(LOOKING NORTH)



LOCATION MAP

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.24
OPERATING RATING FACTOR: RF = 1.62
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY:
- SUPERSTRUCTURE (HPC) ..... f'c = 4,000 PSI
- SUBSTRUCTURE ..... f'c = 4,000 PSI

STEEL PILING ..... Fy = 50,000 PSI
BAR STEEL REINFORCEMENT ..... Fy = 60,000 PSI
BAR STEEL REINFORCEMENT, STAINLESS ..... Fy = 60,000 PSI
STRUCTURAL STEEL
- ASTM A709 GRADE 50 ..... Fy = 50,000 PSI

FOUNDATION DATA

ABUTMENTS SHALL BE SUPPORTED ON HP 14X73 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 250 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES ACCEPTANCE METHOD.

THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING THE MODIFIED GATES ACCEPTANCE METHOD TO DETERMINE DRIVEN PILE CAPACITY.

PILE POINTS SHALL BE USED. SEE WISDOT LIST FOR APPROVED SUPPLIERS.

ESTIMATED PILE LENGTHS:

WEST ABUTMENT:	65 FEET
EAST ABUTMENT:	65 FEET
WEST ABUTMENT W/PREBORE:	70 FEET
EAST ABUTMENT W/PREBORE:	70 FEET

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTIONS, FILL LIMITS & REMOVAL DETAILS
3. QUANTITIES, NOTES & PROFILE GRADE LINES
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT FOUNDATION PLAN
6. WEST ABUTMENT PLAN & ELEVATION
7. EAST ABUTMENT FOUNDATION PLAN
8. EAST ABUTMENT PLAN & ELEVATION
9. WING WALL DETAILS
10. FRAMING PLAN & GIRDER ELEVATION
11. STEEL DETAILS
12. CAMBER, BLOCKING & DEFLECTION DIAGRAMS
13. SUPERSTRUCTURE REINFORCEMENT
14. ABUTMENT DIAPHRAGM
15. STRUCTURAL APPROACH SLAB
16. STRUCTURAL APPROACH SLAB DETAILS
17. SINGLE SLOPED PARAPET
18. SLOPE PAVING DETAILS
19. AESTHETIC DETAILS

TRAFFIC DATA

RAMP SA

A.D.T. = 7,500 (2035)
R.D.S. = 50 M.P.H.

UTILITIES LEGEND

1. EXISTING AT&T CORP. ABANDONED FIBER OPTIC
2. EXISTING MMSD SANITARY SEWER TO REMAIN
3. EXISTING WISDOT STORM SEWER 12" DIA. TO BE REMOVED
4. EXISTING MILWAUKEE COUNTY COMMUNICATIONS LINE TO REMAIN
5. EXISTING MILWAUKEE COUNTY ELECTRIC LINE TO REMAIN
6. EXISTING MILWAUKEE COUNTY MANHOLES TO REMAIN
7. EXISTING MILWAUKEE COUNTY WATER LINE TO REMAIN
8. EXISTING WISDOT STORM SEWER 84" DIA. TO REMAIN
9. EXISTING WE ENERGIES ABANDONED GAS LINE
10. EXISTING WE ENERGIES UTILITIES TUNNEL
11. PROPOSED WISDOT STORM SEWER 18" DIA.

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/15/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN MATTHEW S SCHROEDER E-42428 JOHNSON CREEK WI 5-13-14 PROFESSIONAL ENGINEER

STRUCTURE B-40-891

RAMP SA OVER ZOO SERVICE ROAD

COUNTY	~~TOWN/CITY/VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY MSS/ENS	DESIGN CK'D. JWC	DRAWN BY MSS/ENS	PLANS CK'D. JWC

GENERAL PLAN & ELEVATION

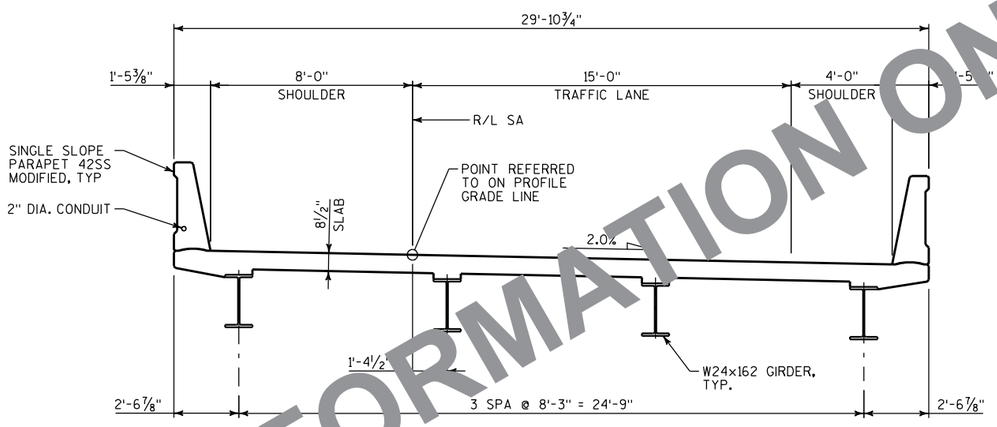
SHEET 1 OF 19

8

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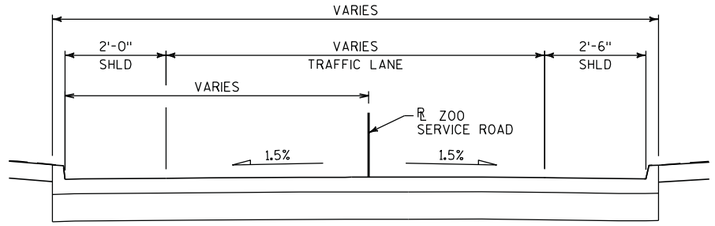
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



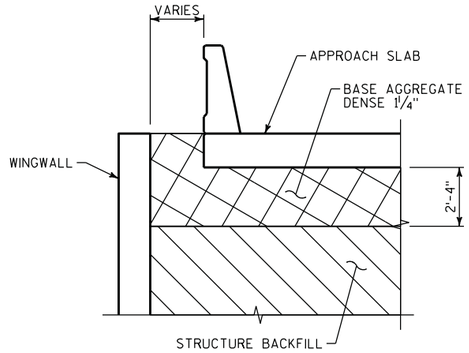
TYPICAL SECTION THRU RAMP SA

(LOOKING EAST)

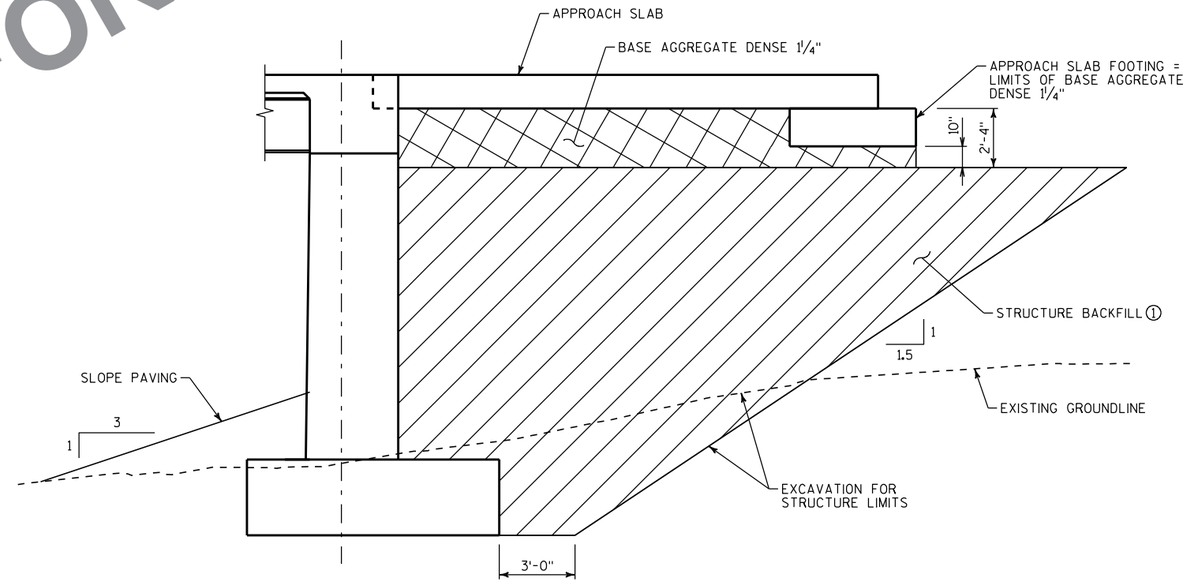


TYPICAL SECTION THRU ZOO SERVICE ROAD

(LOOKING NORTH)

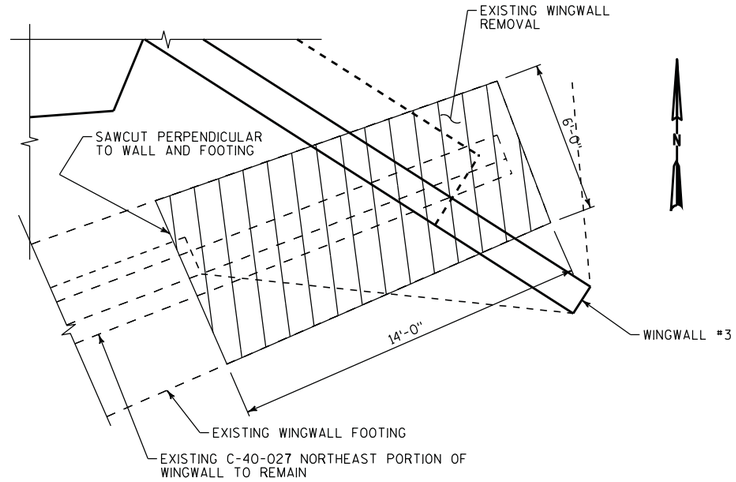


WINGWALL BACKFILL LIMITS



ABUTMENT EXCAVATION & BACKFILL LIMITS

(TYPICAL EACH ABUTMENT)



EXISTING C-40-027 WINGWALL REMOVAL PLAN

NOTES

① WHERE STRUCTURE BACKFILL LIMITS BEHIND THE EAST ABUTMENT AND THE MSE REINFORCEMENT ZONE LIMITS FOR R-40-501 OVERLAP, THE LIMITS FOR THE MSE REINFORCEMENT ZONE CONTROL. REFER TO R-40-501 PLANS FOR THESE LIMITS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-891

DRAWN BY MSS | PLANS CK'D. JWC

TYPICAL SECTIONS, FILL LIMITS & REMOVAL DETAILS

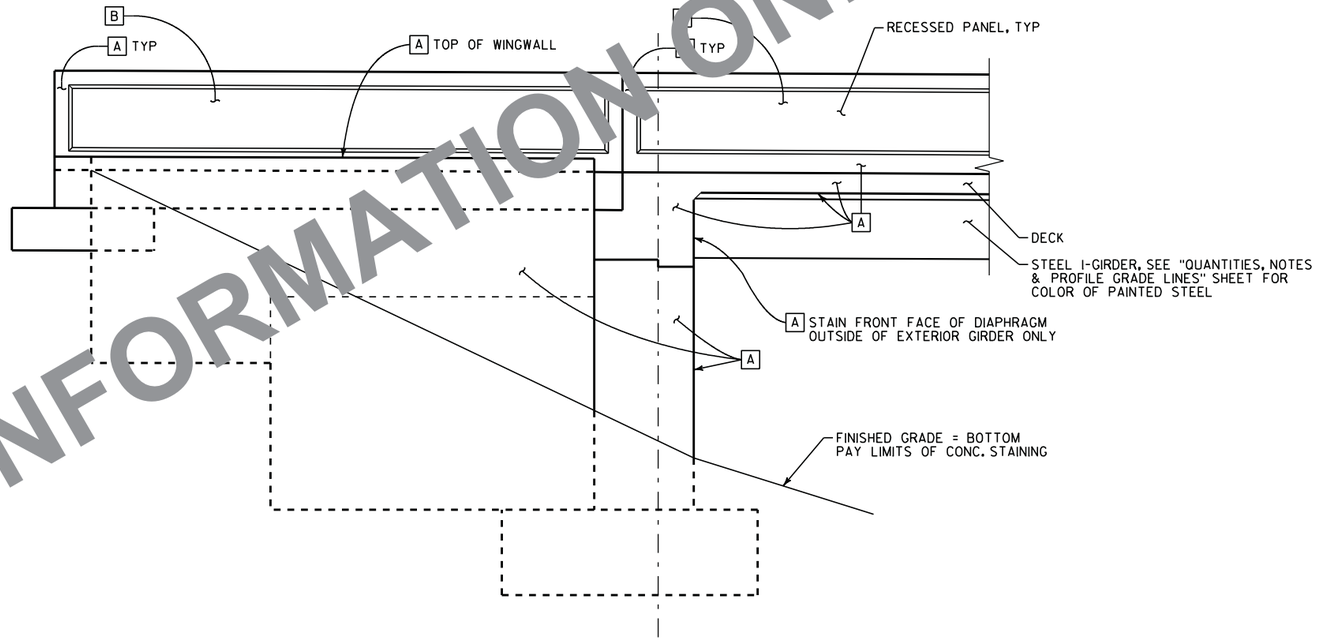
SHEET 2 OF 19

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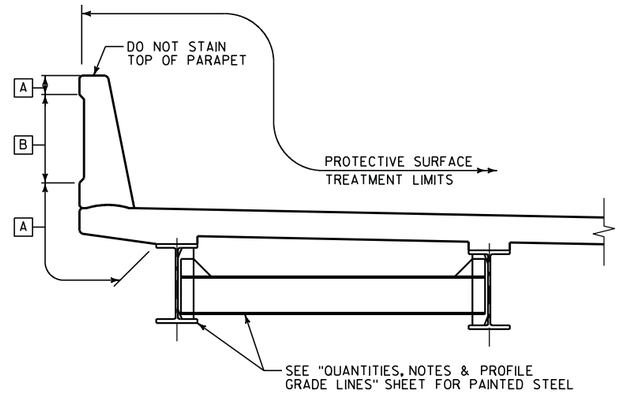
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



OUTSIDE ELEVATION OF ABUTMENT



TYPICAL SECTION OF DECK

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	EXTERIOR FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
		ABUTMENT	FRONT FACE AND SIDES FROM TOP OF ABUTMENT TO FINISHED GRADE, EXTERIOR EXPOSED FACES OF DIAPHRAGM. ALL EXPOSED FACES OF EAST ABUTMENT INCLUDING SIDEWALL, MASKWALL AND TOP OF ABUTMENT BEAM SEAT IN FRONT OF MASKWALL.
		WINGWALLS	ALL EXPOSED FACES AND TOP OF WALL
B	ACCENT COLOR #1	PARAPETS	RECESSED PANELS ON EXTERIOR FACE

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-891

DRAWN BY MSS | PLANS CK'D. JWC

AESTHETIC DETAILS

SHEET 19 OF 19

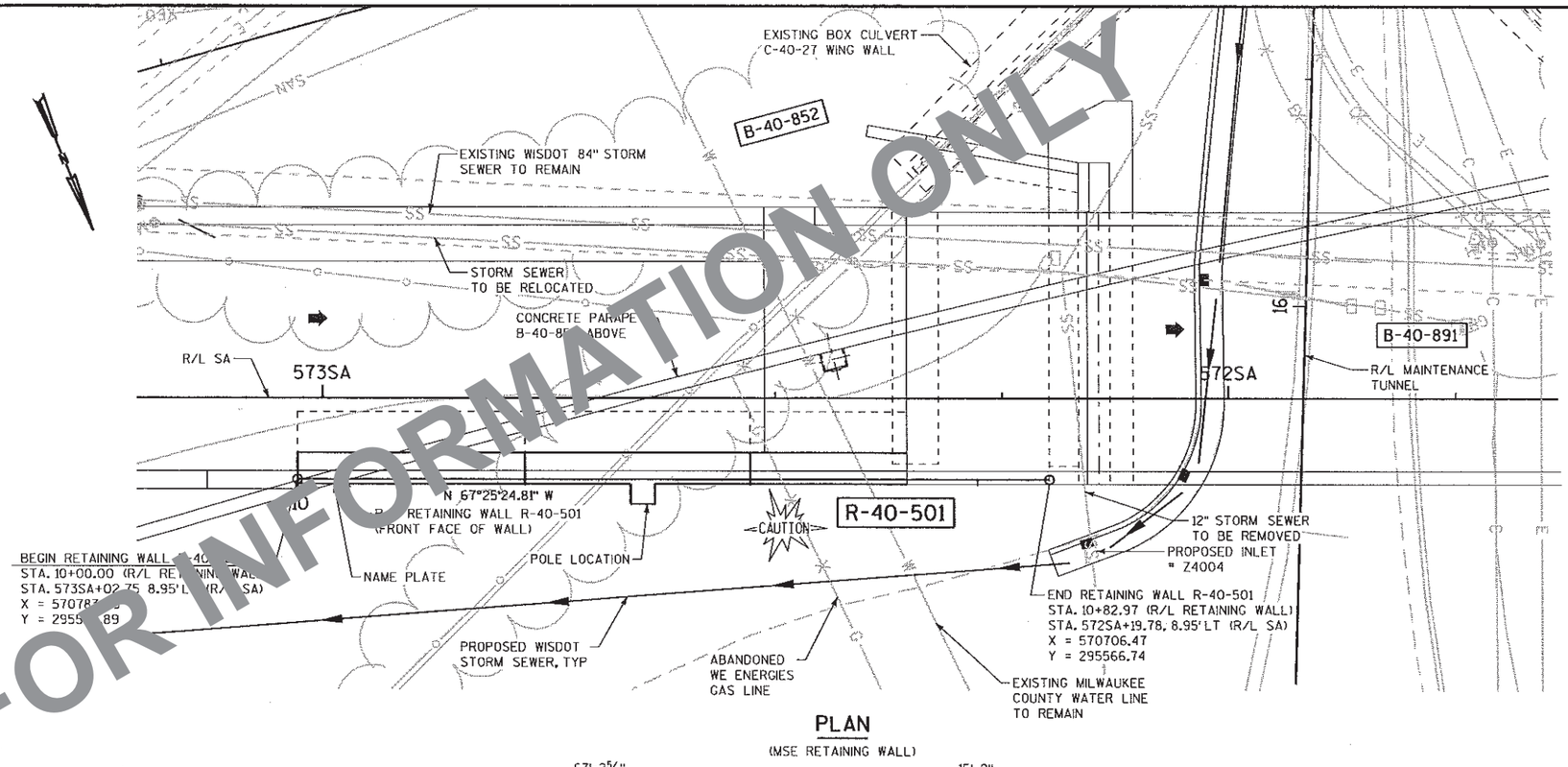
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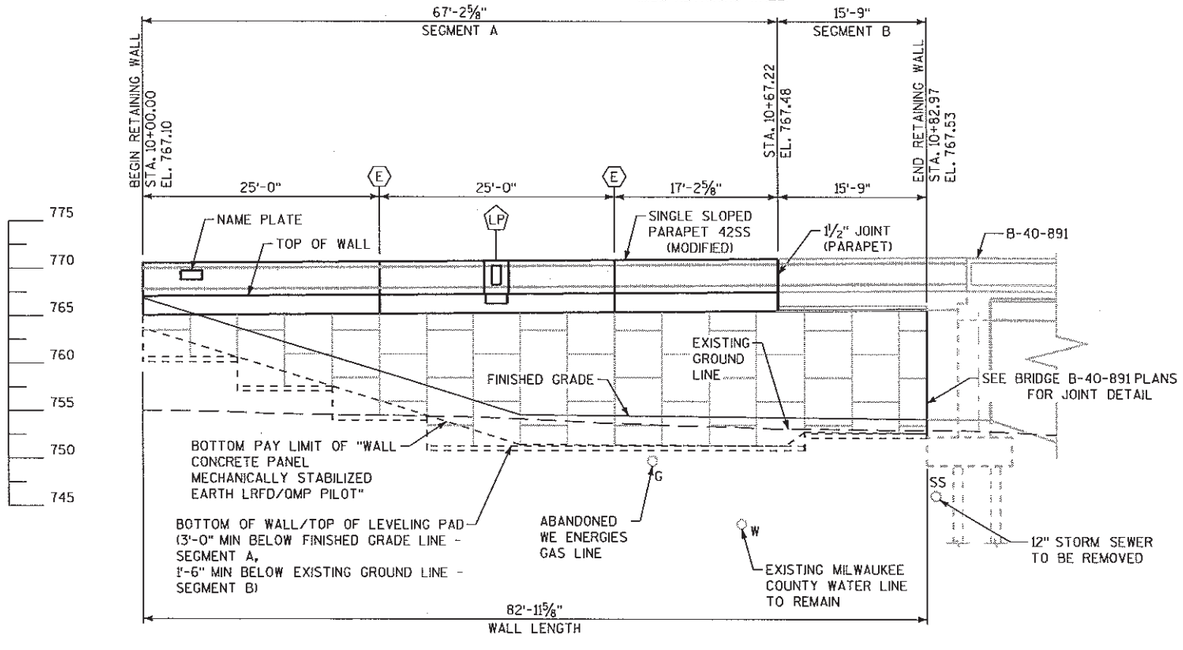
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

(MSE RETAINING WALL)



ELEVATION

(LOOKING AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

DESIGN DATA

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI

DESIGN THE MSE WALL FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LEGEND

- ➡ INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- (LP) POLE LOCATION. FOR STATION AND DETAILS SEE SHEET 6

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, NOTES & PROFILE GRADE LINE
3. TYPICAL WALL SECTIONS
4. SEGMENT A PLAN & ELEVATION
5. PARAPET & ANCHOR SLAB DETAILS
6. CONDUIT & LIGHT POLE SUPPORT DETAIL
7. BILL OF BARS
8. AESTHETIC WALL TREATMENT DETAILS
9. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
Mohammed H. Zagloul
5/1/2014

STRUCTURE R-40-501

EAST ABUTMENT AT STRUCTURE B-40-891

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	WEST ALLIS

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MR	MHZ	MR	MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 9

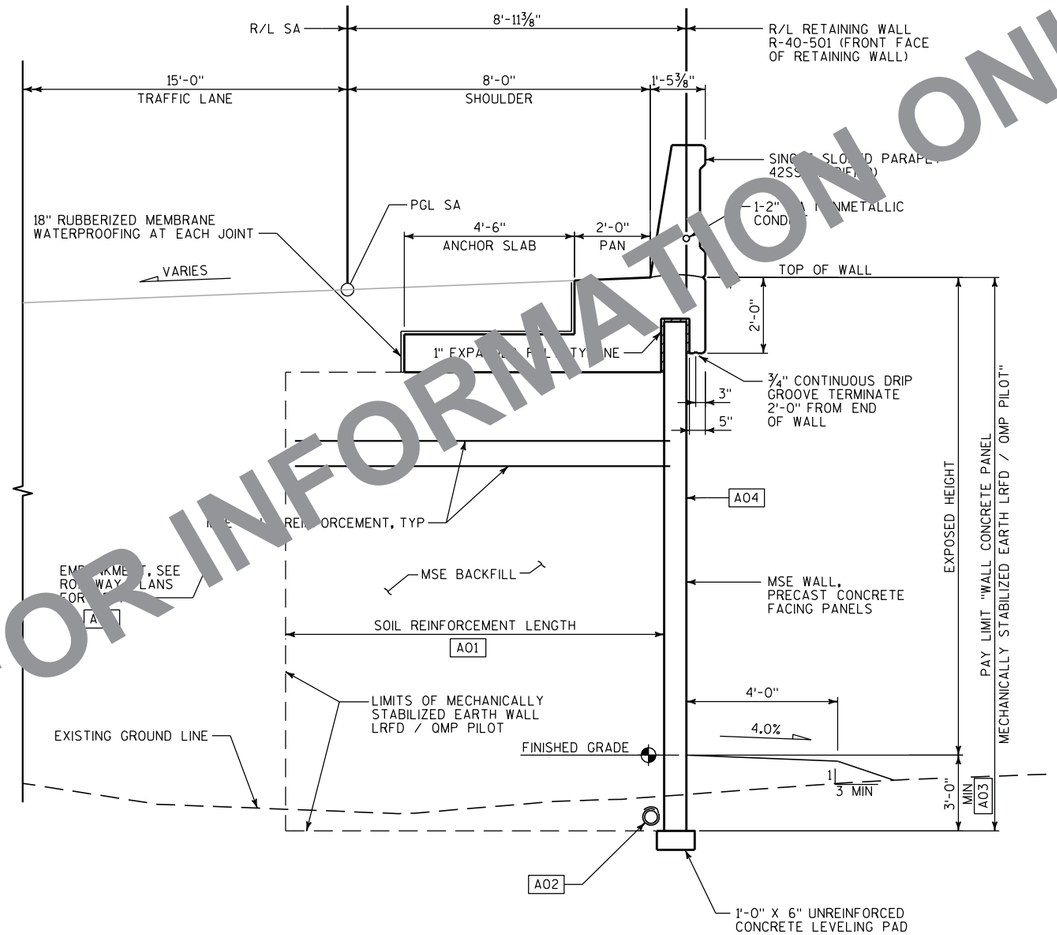
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FOR INFORMATION ONLY

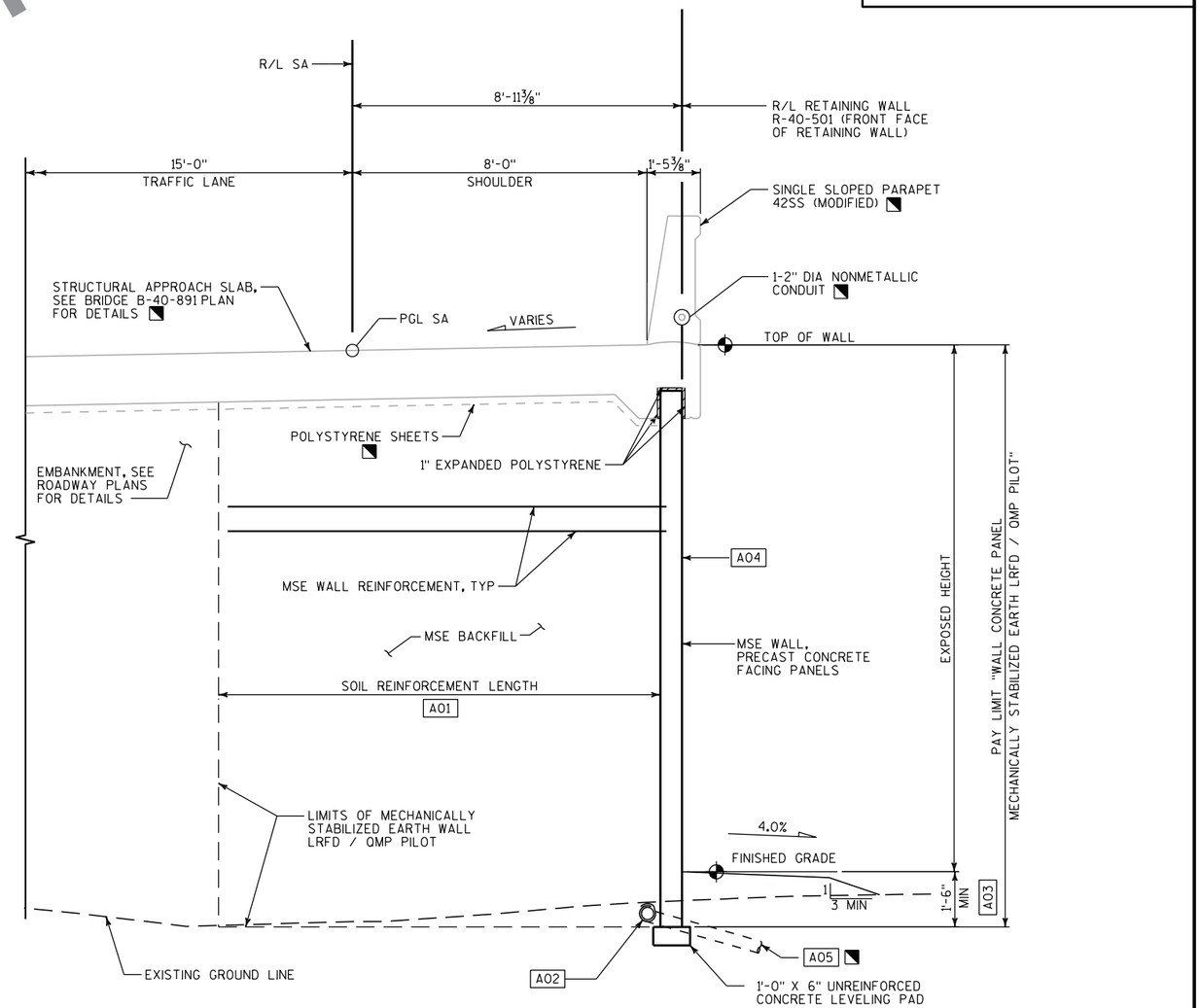
STATE PROJECT NUMBER

1060-33-80



SEGMENT A - TYPICAL SECTION

(LOOKING WEST - STA. 10+00.00 TO STA. 10+67.22)



SEGMENT B - TYPICAL SECTION

(LOOKING WEST - STA. 10+67.22 TO STA. 10+82.97)

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 2 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. CONNECT TO BRIDGE B-40-891 PIPE UNDERDRAIN AT THE END OF WALL.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE FOR SEGMENT A AND 1'-6" BELOW EXISTING GRADE FOR SEGMENTS B. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP PILOT" TO INCLUDE EXPOSED HEIGHT PLUS 3'-0" FOR SEGMENT A AND 1'-6" FOR SEGMENTS B.

A04 SEE SHEET 8 FOR AESTHETIC WALL TREATMENT DETAILS.

A05 CONNECT PIPE UNDERDRAIN TO INLET #Z4004 . PIPE UNDERDRAIN IS INCLUDED IN BRIDGE B-40-891 BID ITEMS.

A06 SEE ROADWAY PLANS FOR TEMPORARY GRADING. PAVEMENT, BASE COURSE, AND ROADWAY UNDERDRAINS WILL BE CONSTRUCTED IN FUTURE CONTRACT.

LEGEND

◥ NOT A RETAINING WALL ITEM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-501

DRAWN BY MR | PLANS CK'D. MHZ

TYPICAL WALL SECTIONS

SHEET 3 OF 9

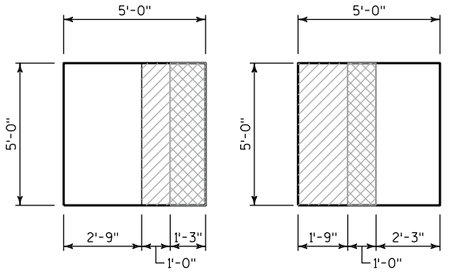
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FOR INFORMATION ONLY

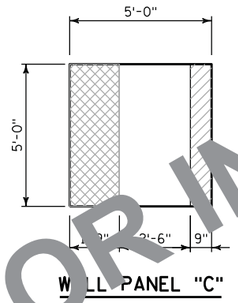
STATE PROJECT NUMBER

1060-33-80

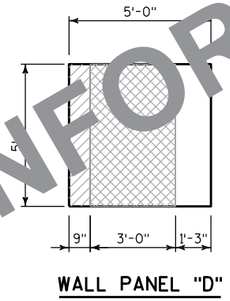


WALL PANEL "A"

WALL PANEL "B"

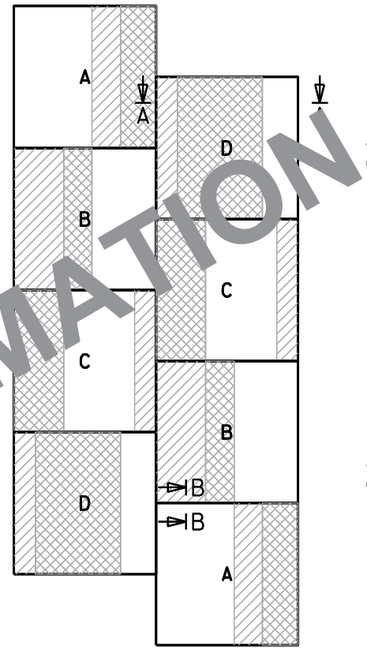


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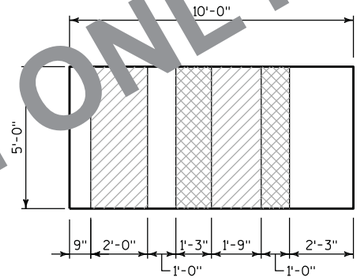


WALL PANEL "D"

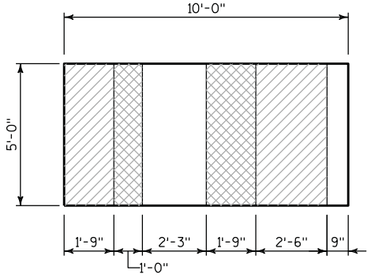
5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



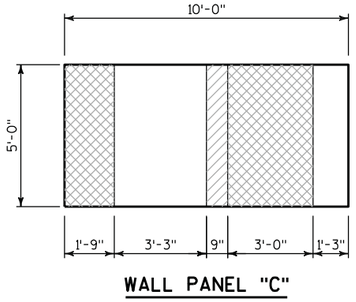
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



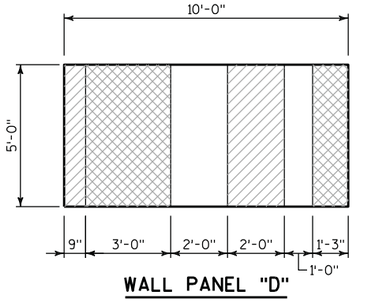
WALL PANEL "A"



WALL PANEL "B"

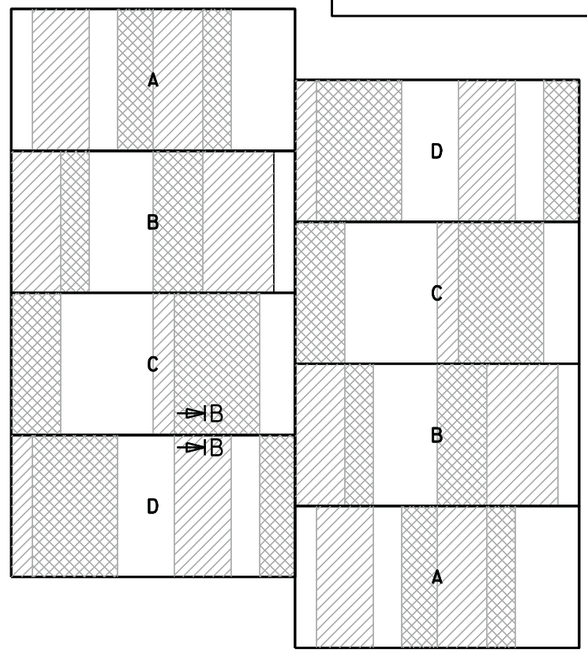


WALL PANEL "C"



WALL PANEL "D"

5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

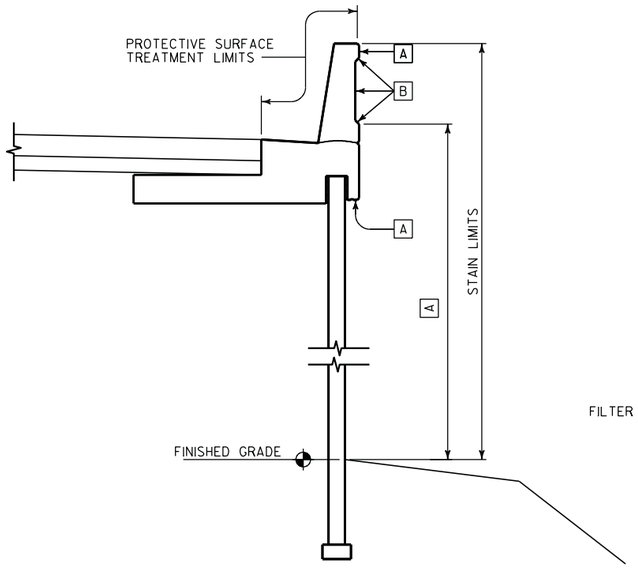
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO 1'-0" BELOW FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS

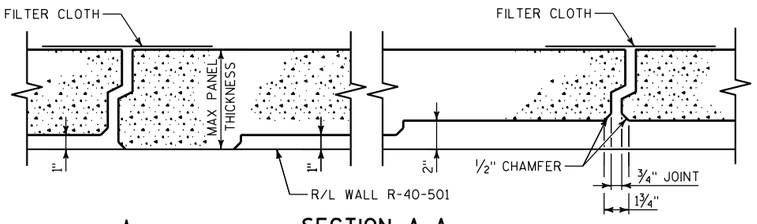
STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.

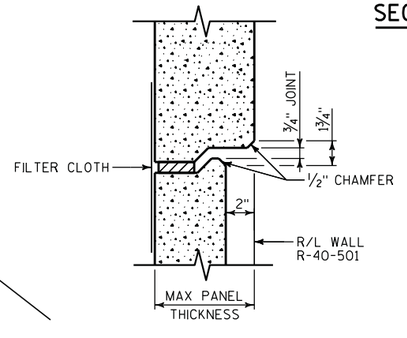
BASE COLOR - 33564
ACCENT COLOR #1 - 33448



MSE WALL STAINING DIAGRAM



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-501

DRAWN BY MR | PLANS CK'D. MHZ

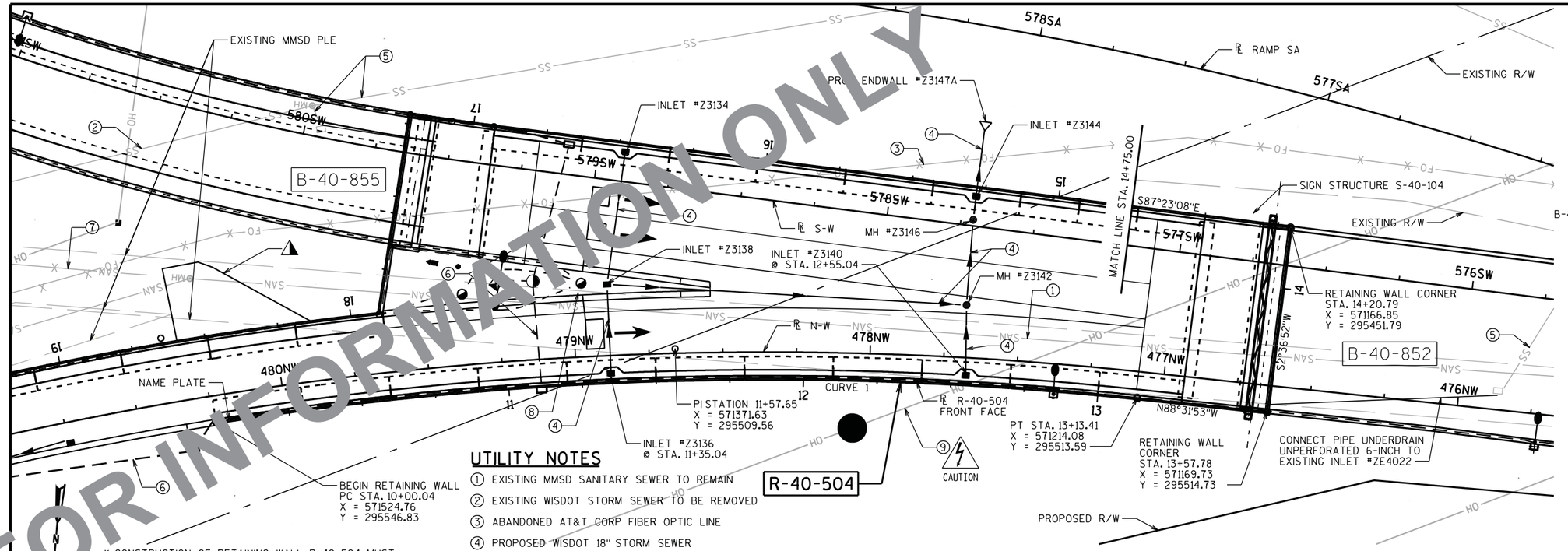
AESTHETIC WALL TREATMENT DETAILS

SHEET 8 OF 9

8

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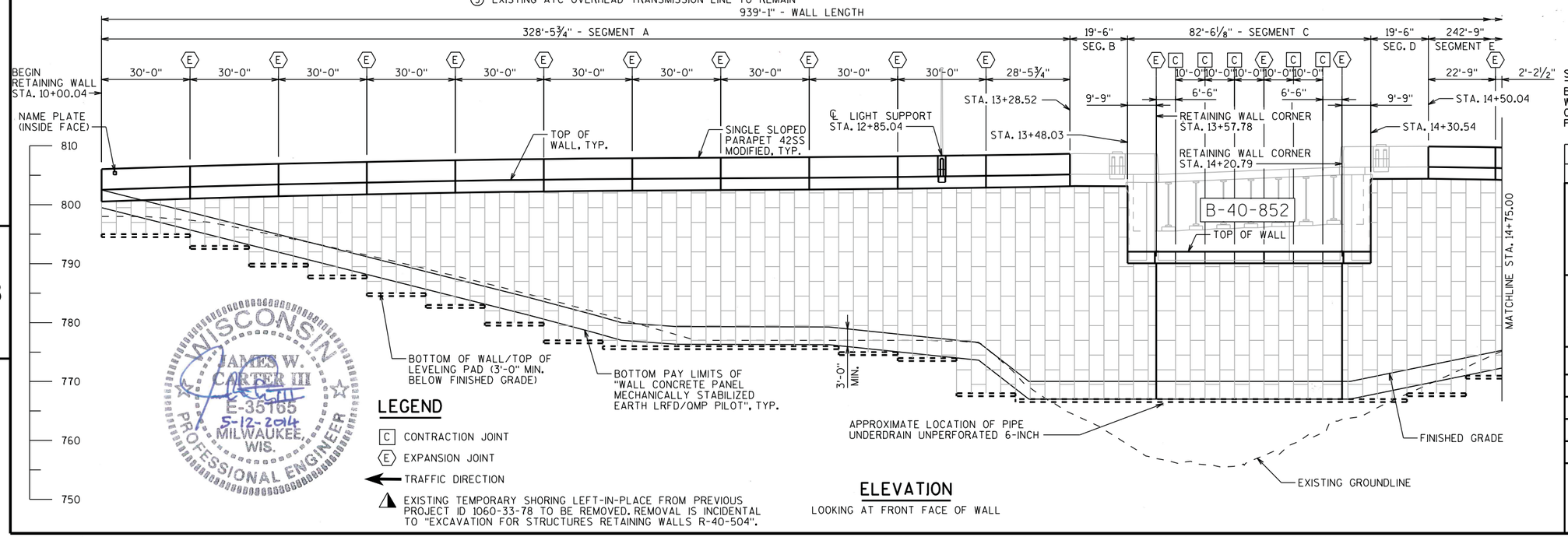
FOR INFORMATION ONLY



PLAN
MSE RETAINING WALL

* CONSTRUCTION OF RETAINING WALL R-40-504 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC) AND WE ENERGIES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES.

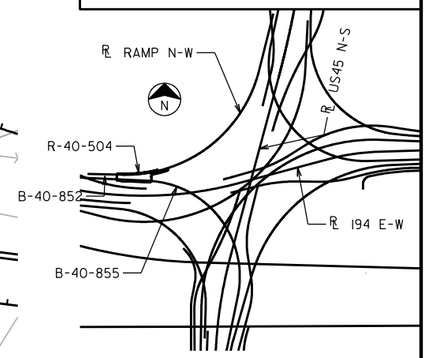
UTILITY NOTES
① EXISTING MMSD SANITARY SEWER TO REMAIN
② EXISTING WISDOT STORM SEWER TO BE REMOVED
③ ABANDONED AT&T CORP FIBER OPTIC LINE
④ PROPOSED WISDOT 18" STORM SEWER
⑤ EXISTING WISDOT STORM SEWER TO REMAIN
⑥ PROPOSED WISDOT LIGHTING
⑦ ABANDONED MMSD SANITARY SEWER
⑧ PROPOSED WISDOT FTMS
⑨ EXISTING ATC OVERHEAD TRANSMISSION LINE TO REMAIN *



LEGEND
[C] CONTRACTION JOINT
(E) EXPANSION JOINT
TRAFFIC DIRECTION
EXISTING TEMPORARY SHORING LEFT-IN-PLACE FROM PREVIOUS PROJECT ID 1060-33-78 TO BE REMOVED. REMOVAL IS INCIDENTAL TO "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-504".

ELEVATION
LOOKING AT FRONT FACE OF WALL

STATE PROJECT NUMBER
1060-33-80



LOCATION MAP

LIST OF DRAWINGS
1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2
3. GENERAL NOTES & DESIGN DATA
4. QUANTITIES
5. TYPICAL SECTIONS (1 OF 3)
6. TYPICAL SECTIONS (2 OF 3)
7. TYPICAL SECTIONS (3 OF 3)
8. ELEVATION TABLES
9. REINFORCEMENT SCHEDULE
10. PARAPET, COPING AND ANCHOR SLAB DETAILS
11. COPING DETAILS
12. SEGMENT A REINFORCEMENT DETAILS (1 OF 2)
13. SEGMENT A REINFORCEMENT DETAILS (2 OF 2)
14. SEGMENT C REINFORCEMENT DETAILS
15. SEGMENT E REINFORCEMENT DETAILS
16. SEGMENTS G, H & J REINFORCEMENT DETAILS
17. LIGHT SUPPORT DETAILS (1 OF 2)
18. LIGHT SUPPORT DETAILS (2 OF 2)
19. INLET DETAILS
20. ANCHOR SLAB INLET COVER SPECIAL
21. RAILING PIPE DETAILS
22. AESTHETIC WALL TREATMENT DETAILS
23. SUBSURFACE EXPLORATION 1
24. SUBSURFACE EXPLORATION 2

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
PAT CASHIN (414) 359-2300

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher KAR 05/14/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-504
RETAINING WALL ALONG RAMP NW

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KTM	JJO	KTM	JWC

GENERAL PLAN & ELEVATION 1

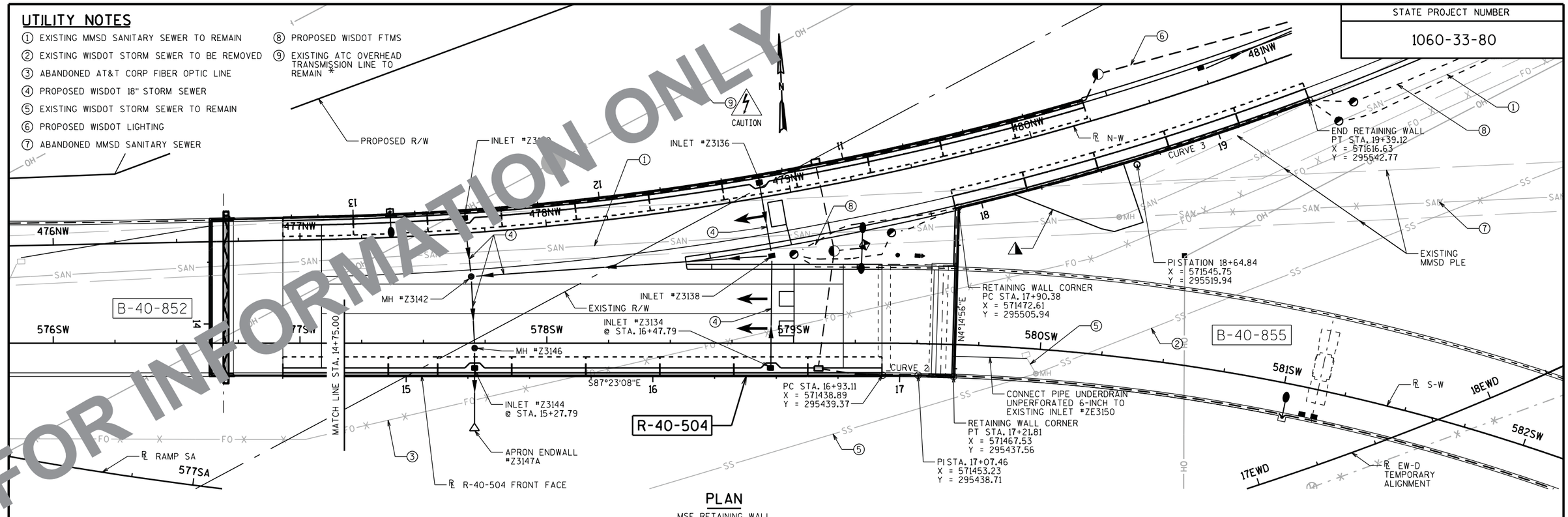
SHEET 1 OF 24

FOR INFORMATION ONLY

UTILITY NOTES

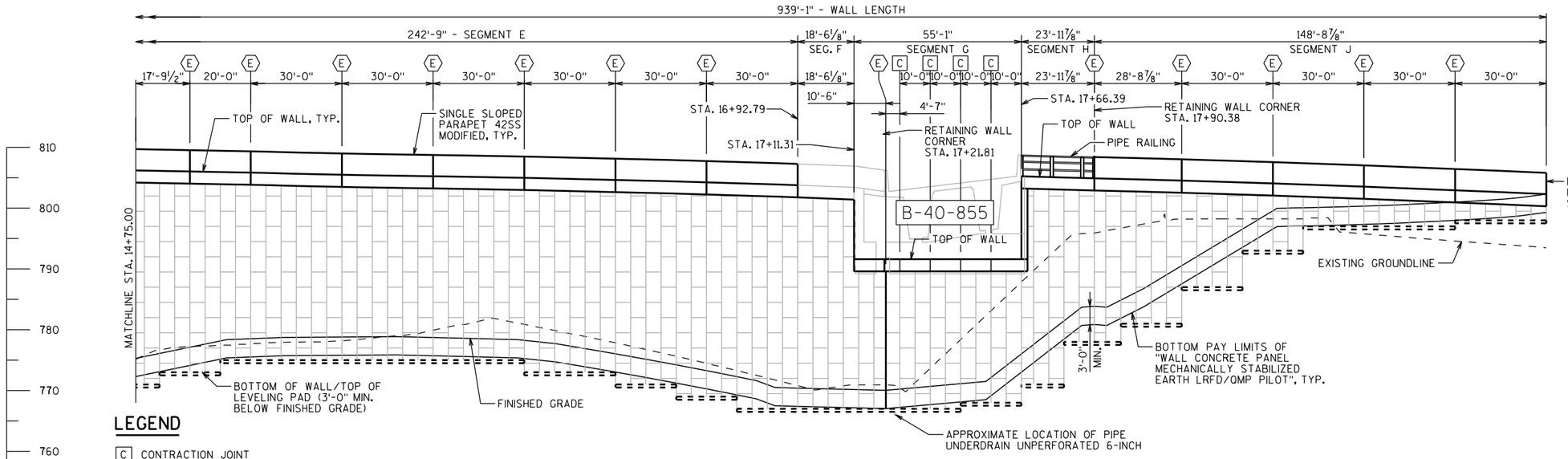
1. EXISTING MMSD SANITARY SEWER TO REMAIN
2. EXISTING WISDOT STORM SEWER TO BE REMOVED
3. ABANDONED AT&T CORP FIBER OPTIC LINE
4. PROPOSED WISDOT 18" STORM SEWER
5. EXISTING WISDOT STORM SEWER TO REMAIN
6. PROPOSED WISDOT LIGHTING
7. ABANDONED MMSD SANITARY SEWER
8. PROPOSED WISDOT FTMS
9. EXISTING ATC OVERHEAD TRANSMISSION LINE TO REMAIN *

STATE PROJECT NUMBER
1060-33-80



PLAN

MSE RETAINING WALL



ELEVATION

LOOKING AT FRONT FACE

* CONSTRUCTION OF RETAINING WALL R-40-504 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC) AND WE ENERGIES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARANCES FROM THESE LINES.

LEGEND

- C — CONTRACTION JOINT
- E — EXPANSION JOINT
- TRAFFIC DIRECTION
- EXISTING TEMPORARY SHORING LEFT-IN-PLACE FROM PREVIOUS PROJECT ID 1060-33-78 TO BE REMOVED. REMOVAL IS INCIDENTAL TO "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-504".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-504

DRAWN BY KTM | PLANS CK'D. JWC

GENERAL PLAN & ELEVATION 2

SHEET 2 OF 24

6565

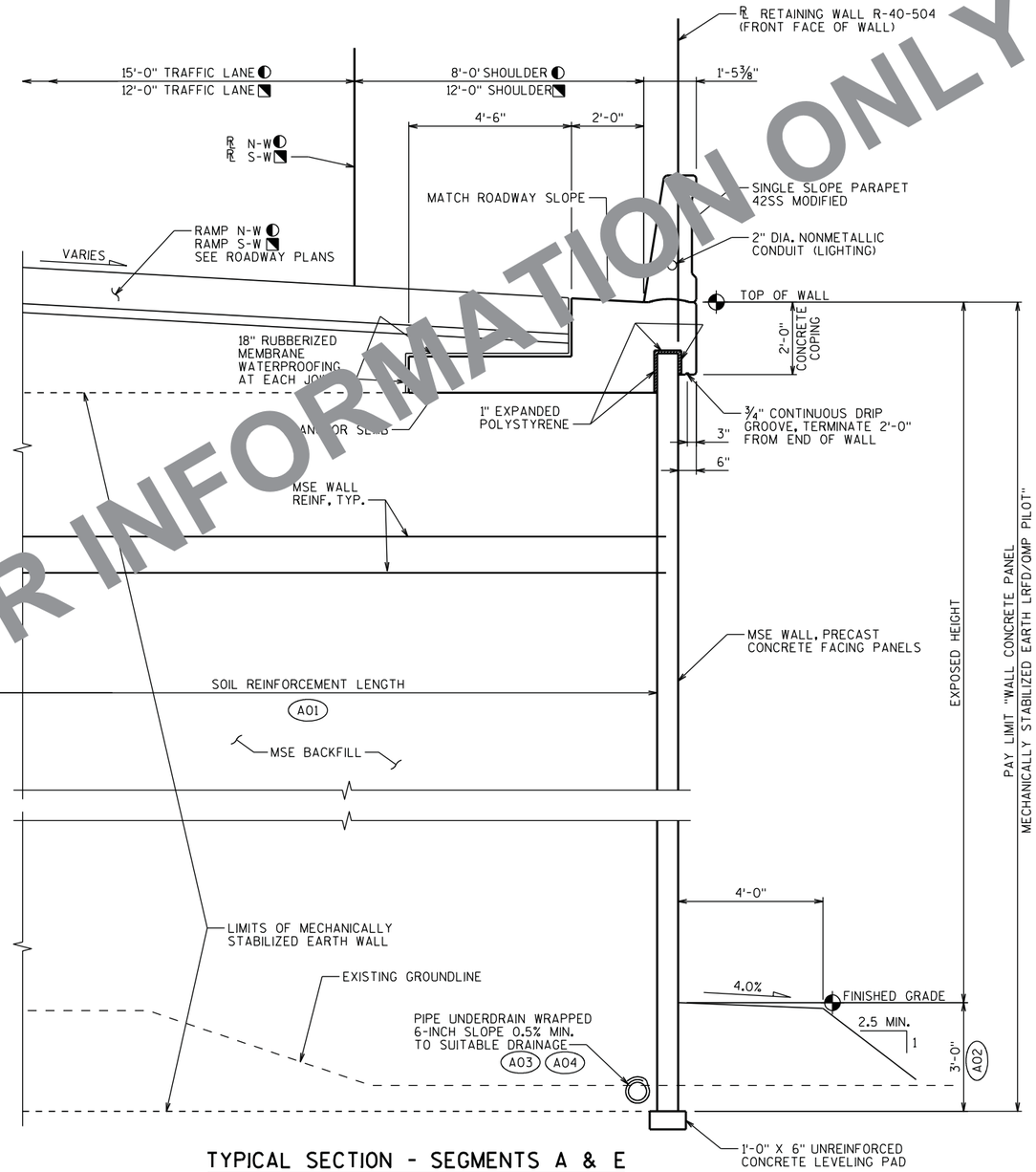
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PLOT BY : MSCJJO
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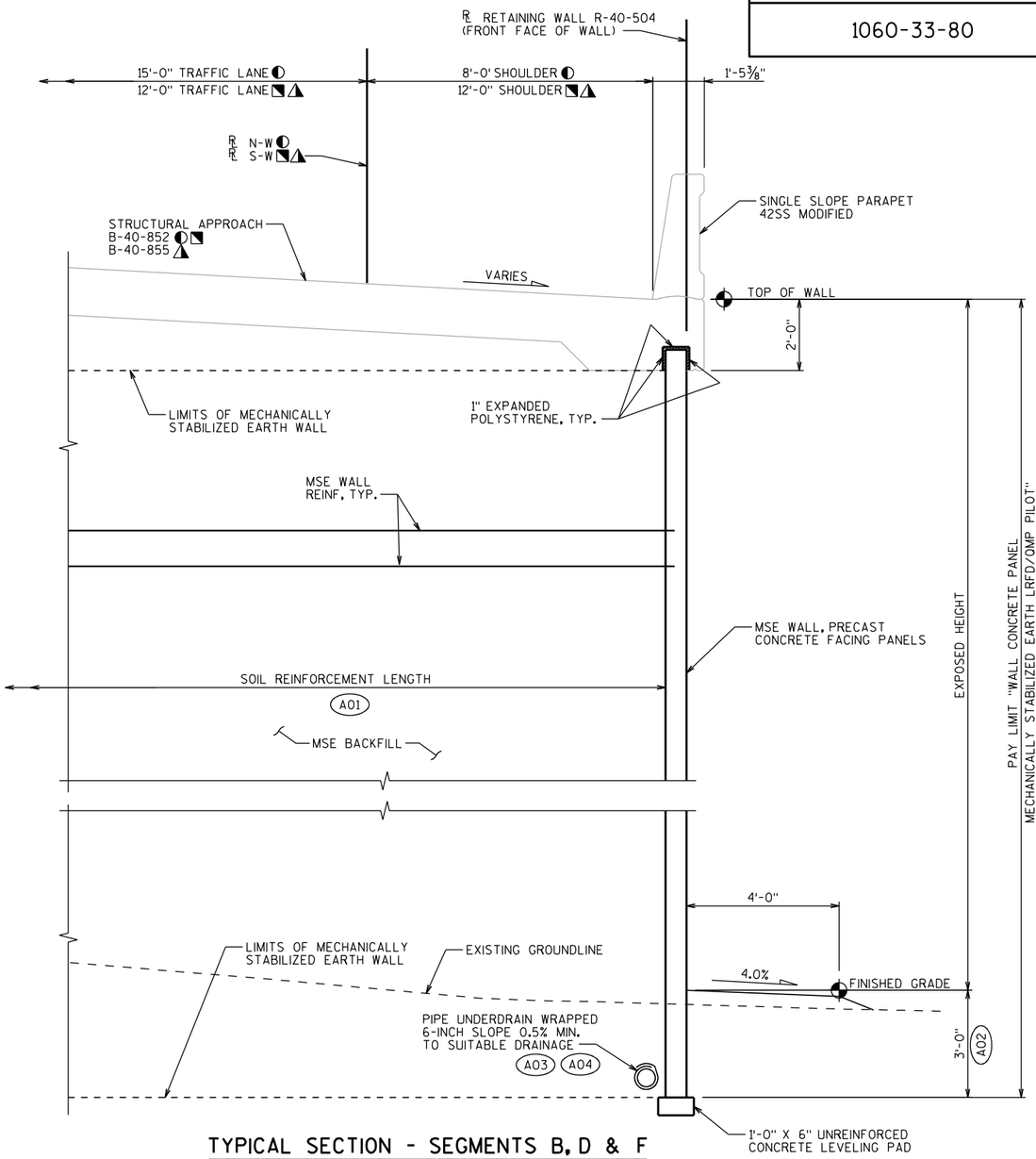
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION - SEGMENTS A & E

SEGMENT A - LOOKING WEST - STA. 10+00.04 TO STA. 13+28.52
SEGMENT E - LOOKING EAST - STA. 14+50.04 TO STA. 16+92.79



TYPICAL SECTION - SEGMENTS B, D & F

SEGMENT B - LOOKING WEST - STA. 13+28.52 TO STA. 13+48.03
SEGMENT D - LOOKING EAST - STA. 14+30.54 TO STA. 14+50.04
SEGMENT F - LOOKING EAST - STA. 16+92.79 TO STA. 17+11.31

LEGEND

(A01) SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON "GENERAL NOTES & DESIGN DATA" SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS. SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS. SOIL REINFORCEMENT LENGTH MAY OVERLAP WITH REINFORCEMENT ZONE OF OPPOSITE WALL SEGMENT.

(A02) MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. COORDINATE CONSTRUCTION OF THE LEVELING PAD WITH THE WALL PANEL FABRICATOR. PAY LIMITS BASED ON MINIMUM DIMENSION.

(A03) FOR SEGMENTS A THROUGH E, CONNECT PIPE UNDERDRAIN WRAPPED TO INLET #ZE4022 USING PIPE UNDERDRAIN UNPERFORATED. (CONNECTIONS ARE INCIDENTAL TO "PIPE UNDERDRAIN UNPERFORATED 6-INCH"). SEE GENERAL PLAN AND ELEVATION SHEETS.

(A04) FOR SEGMENTS E THROUGH J, CONNECT PIPE UNDERDRAIN WRAPPED TO INLET #ZE3150 USING PIPE UNDERDRAIN UNPERFORATED. (CONNECTIONS ARE INCIDENTAL TO "PIPE UNDERDRAIN UNPERFORATED 6-INCH"). SEE GENERAL PLAN AND ELEVATION SHEETS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-504

DRAWN BY KTM | PLANS CK'D. JWC

TYPICAL SECTIONS (1 OF 3)

SHEET 5 OF 24

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PLOT SCALE : 4:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

LEGEND

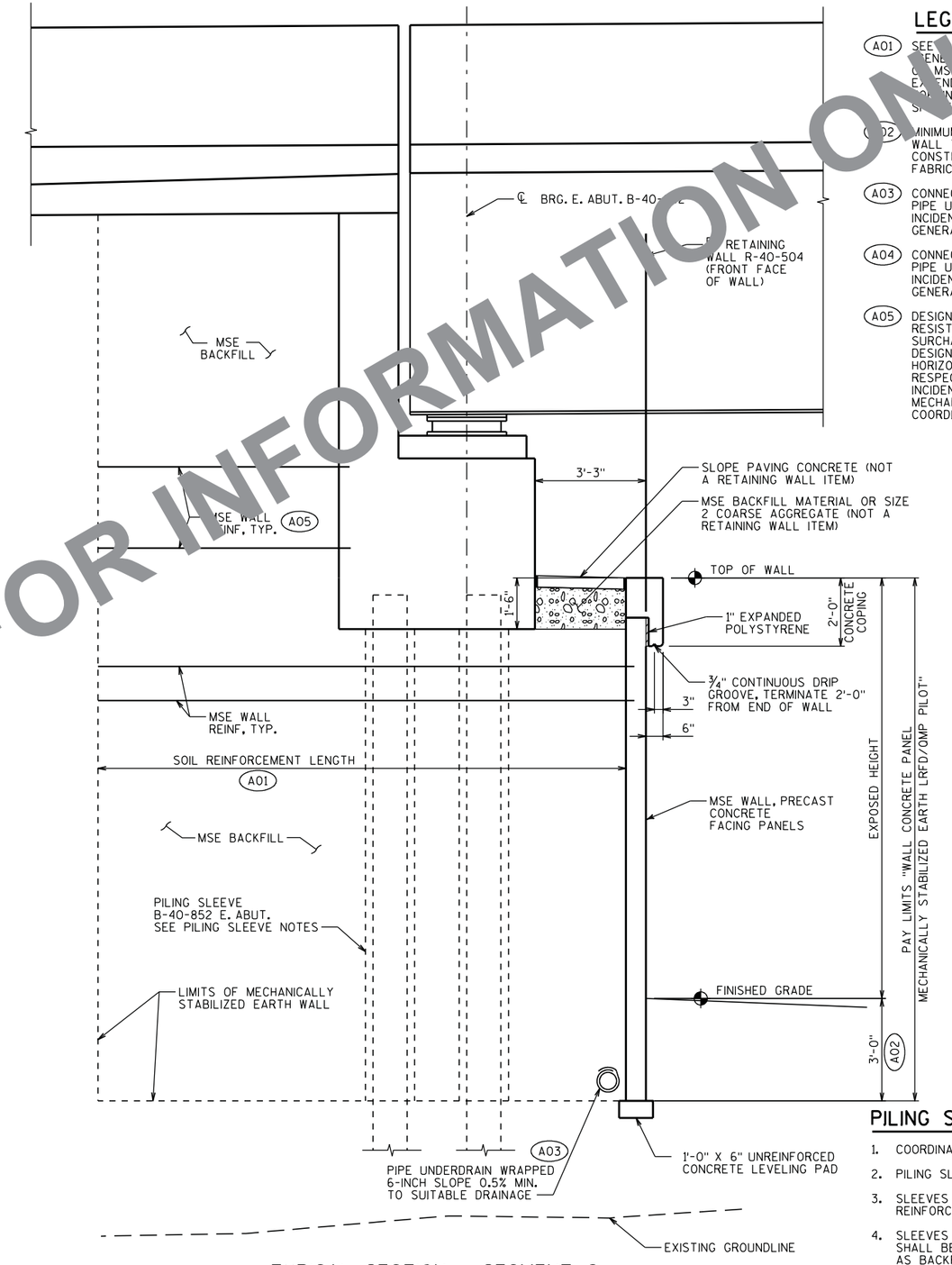
(A01) SEE "ALL EXTERNAL STABILITY EVALUATION TABLE ON "GENERAL NOTES & DESIGN DATA" SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS. SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

(A02) MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. COORDINATE CONSTRUCTION OF THE LEVELING PAD WITH THE WALL PANEL FABRICATOR. PAY LIMITS BASED ON MINIMUM DIMENSION.

(A03) CONNECT PIPE UNDERDRAIN WRAPPED TO INLET "ZE4022 USING PIPE UNDERDRAIN UNPERFORATED. (CONNECTIONS ARE INCIDENTAL TO "PIPE UNDERDRAIN UNPERFORATED 6-INCH"). SEE GENERAL PLAN AND ELEVATION SHEETS.

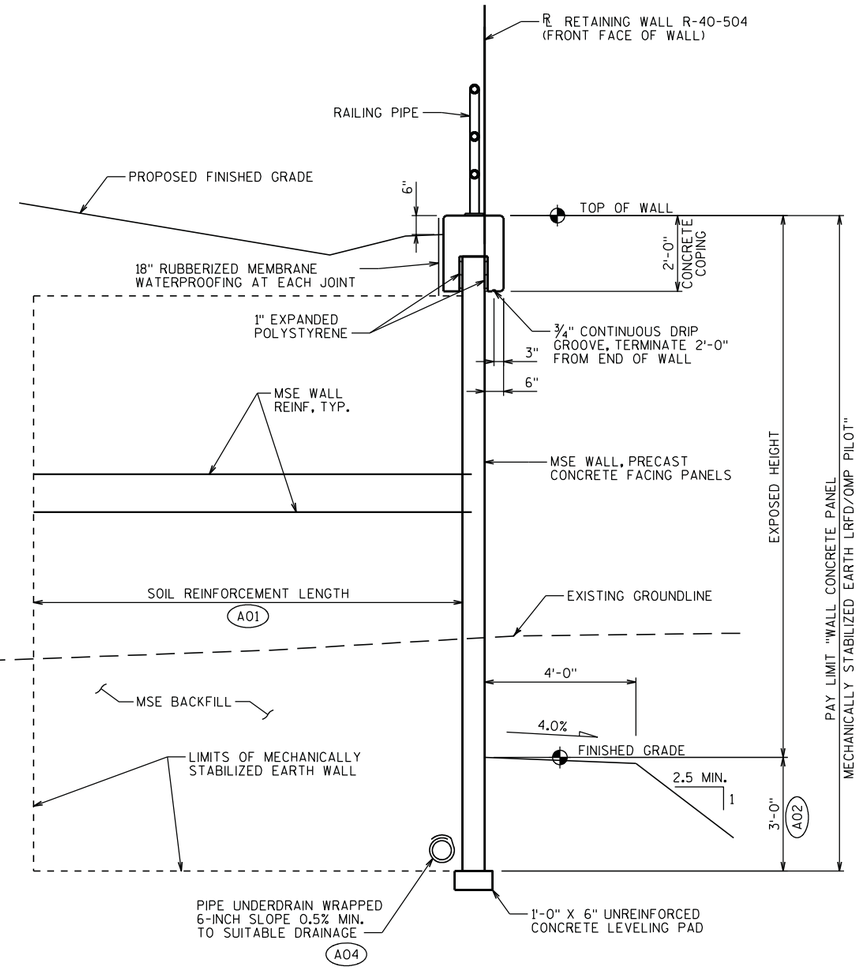
(A04) CONNECT PIPE UNDERDRAIN WRAPPED TO INLET "ZE3150 USING PIPE UNDERDRAIN UNPERFORATED. (CONNECTIONS ARE INCIDENTAL TO "PIPE UNDERDRAIN UNPERFORATED 6-INCH"). SEE GENERAL PLAN AND ELEVATION SHEETS.

(A05) DESIGN REINFORCING STRIPS CONNECTED TO ABUTMENTS TO RESIST ALL HORIZONTAL EARTH PRESSURE AND LIVE LOAD SURCHARGE LOADS INDICATED ON THE "GENERAL NOTES & DESIGN DATA" SHEET, AND AN UNFACTORED SUPERSTRUCTURE HORIZONTAL LOAD INDICATED FOR THE ABUTMENT ON THE RESPECTIVE BRIDGE PLANS. THESE REINFORCING STRIPS ARE INCIDENTAL TO THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT". COORDINATE INSTALLATION WITH BRIDGE CONTRACTOR.



TYPICAL SECTION - SEGMENT C

LOOKING SOUTH
STA. 13+48.03 TO STA. 14+30.54



TYPICAL SECTION - SEGMENT H

LOOKING NORTH
STA. 17+66.39 TO STA. 17+90.38

PILING SLEEVE NOTES

1. COORDINATE SLEEVE LOCATIONS WITH BRIDGE B-40-852.
2. PILING SLEEVES TO BE PAID FOR UNDER BRIDGE B-40-852.
3. SLEEVES SHALL BE PLACED FROM LOWER LIMITS OF MSE REINFORCED ZONE TO BOTTOM OF ABUTMENT.
4. SLEEVES SHALL BE PLACED BEFORE MSE BACKFILL IS STARTED AND SHALL BE ADEQUATELY BRACED TO MAINTAIN POSITION WITHIN ± 2" AS BACKFILL PROCEEDS.
5. PILING SLEEVES SHALL BE INSTALLED PRIOR TO BEGINNING ABUTMENT CONSTRUCTION. INSTALLATION ELEVATION AT BOTTOM OF MSE REINFORCED ZONE VARIES. SEE "ELEVATION TABLES" SHEET FOR WALL ELEVATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-504

DRAWN BY KTM | PLANS CK'D. JWC

TYPICAL SECTIONS (2 OF 3)

SHEET 6 OF 24

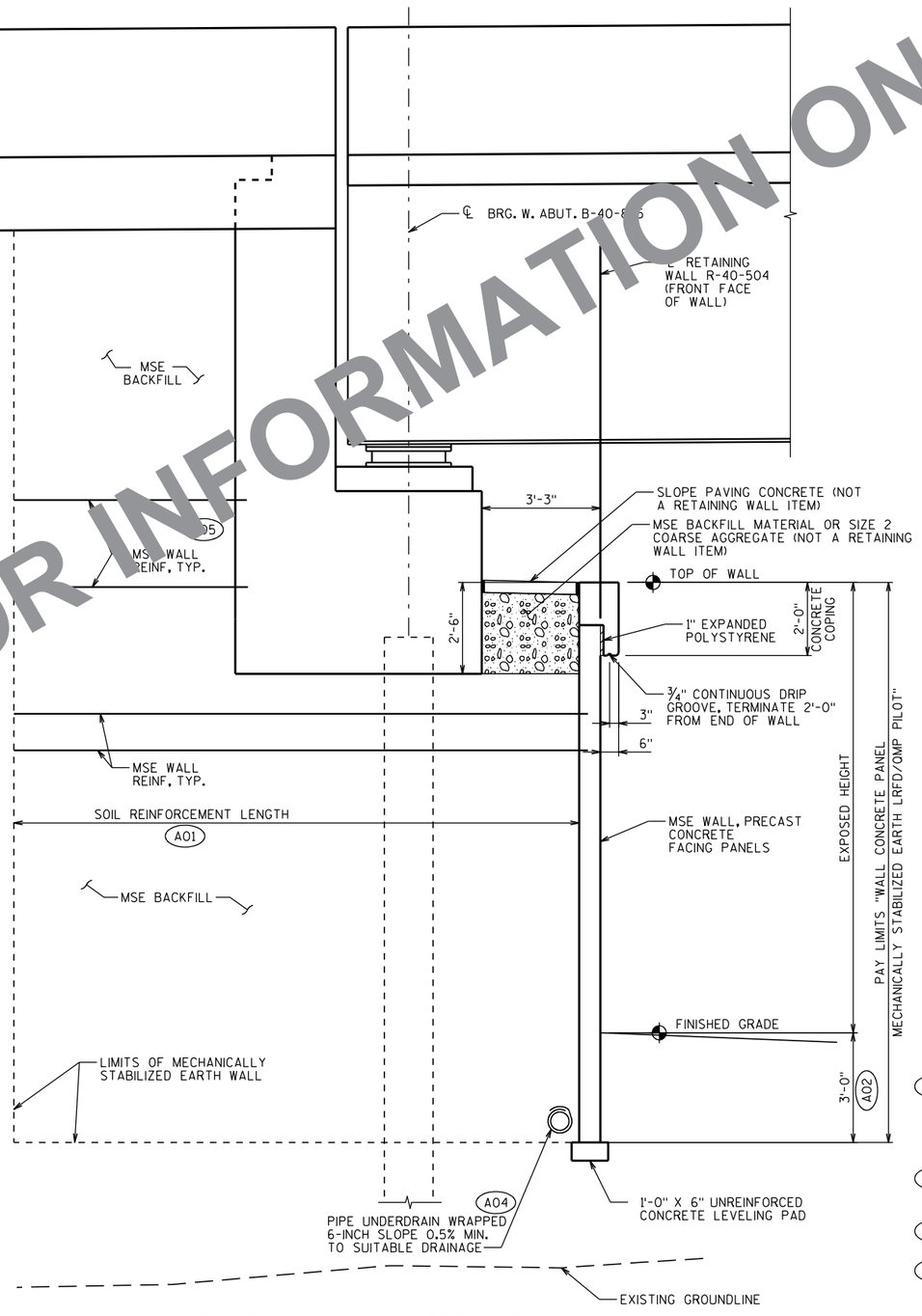
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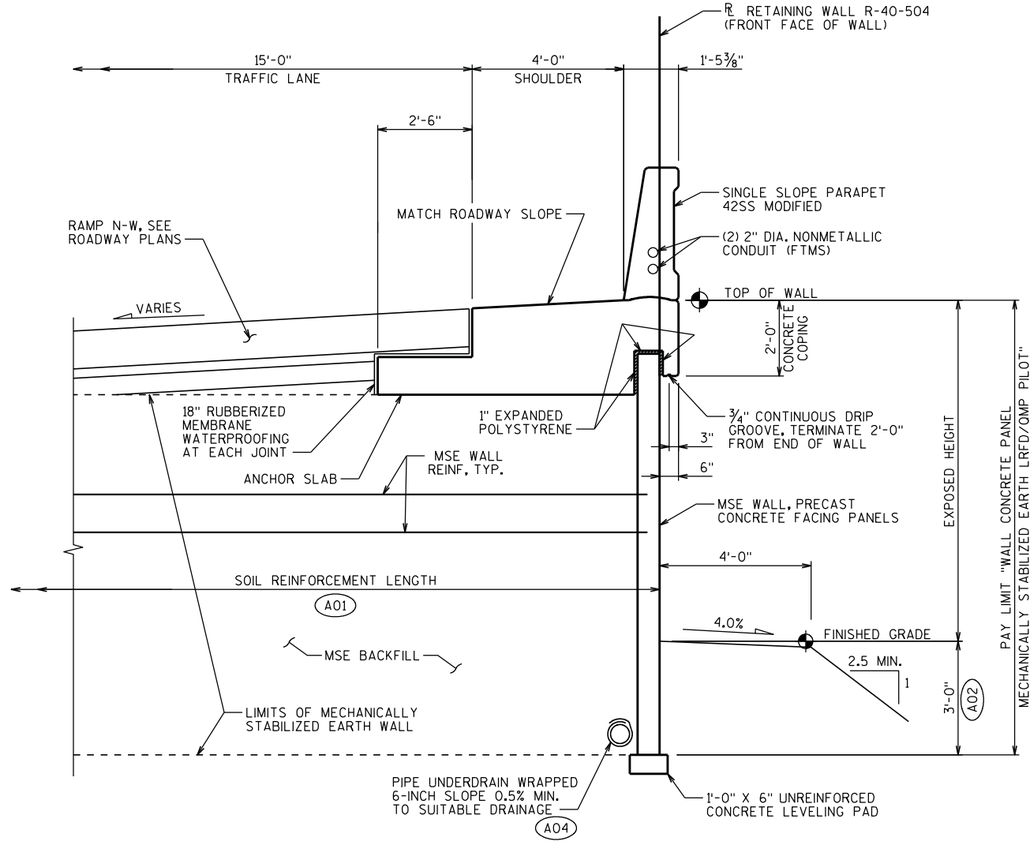
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION - SEGMENT G

LOOKING NORTH
STA. 17+11.31 TO STA. 17+66.39



TYPICAL SECTION - SEGMENT J

LOOKING EAST
STA. 17+90.38 TO STA. 19+39.12

LEGEND

(A01) SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON "GENERAL NOTES & DESIGN DATA" SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS. SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS. SOIL REINFORCEMENT LENGTH MAY OVERLAP WITH REINFORCEMENT ZONE OF WALL SEGMENT A.

(A02) MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. COORDINATE CONSTRUCTION OF THE LEVELING PAD WITH THE WALL PANEL FABRICATOR. PAY LIMITS BASED ON MINIMUM DIMENSION.

(A04) CONNECT PIPE UNDERDRAIN WRAPPED TO INLET "ZE3150 USING PIPE UNDERDRAIN UNPERFORATED. SEE GENERAL PLAN AND ELEVATION SHEETS.

(A05) DESIGN REINFORCING STRIPS CONNECTED TO ABUTMENTS TO RESIST ALL HORIZONTAL EARTH PRESSURE AND LIVE LOAD SURCHARGE LOADS INDICATED ON THE "GENERAL NOTES & DESIGN DATA" SHEET, AND AN UNFACTORED SUPERSTRUCTURE HORIZONTAL LOAD INDICATED FOR THE ABUTMENT ON THE RESPECTIVE BRIDGE PLANS. THESE REINFORCING STRIPS ARE INCIDENTAL TO THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT". COORDINATE INSTALLATION WITH BRIDGE CONTRACTOR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-504

DRAWN BY KTM | PLANS CK'D. JWC

TYPICAL SECTIONS (3 OF 3)

SHEET 7 OF 24

6568

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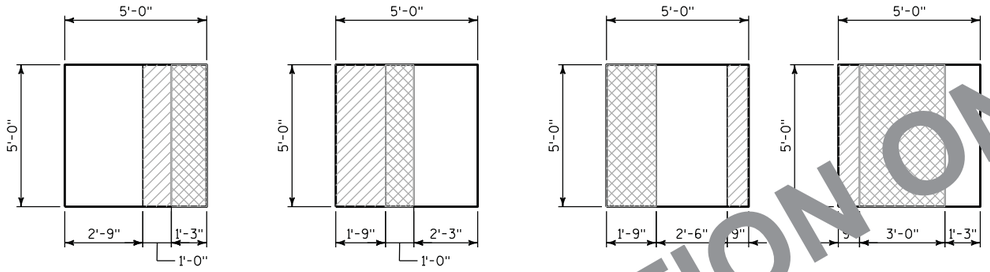
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FOR INFORMATION ONLY

STATE PROJECT NUMBER

1060-33-80

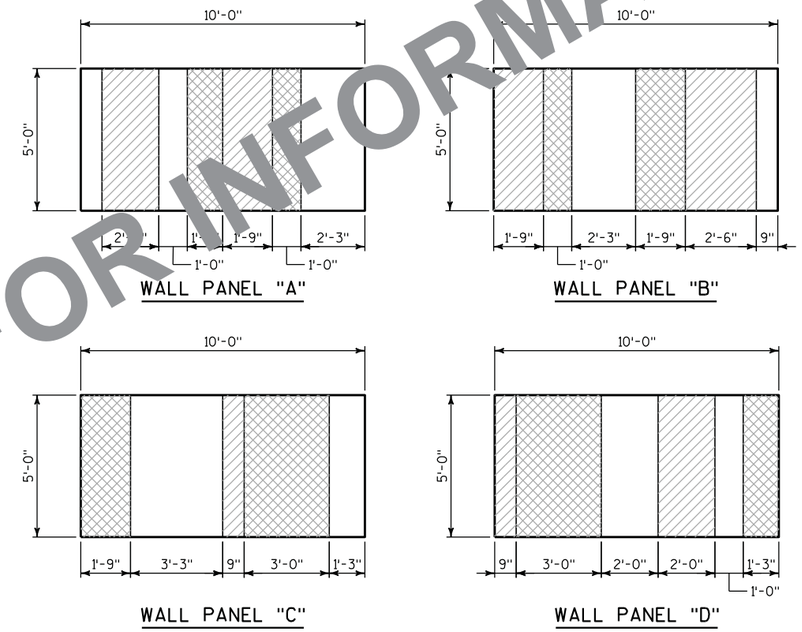


WALL PANEL "A" WALL PANEL "B" WALL PANEL "C" WALL PANEL "D"

5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS + 0"

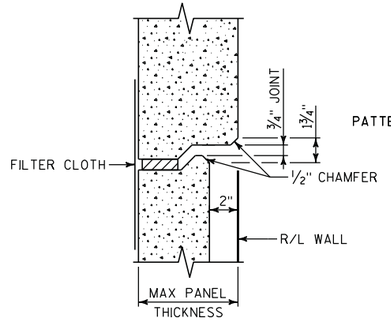


WALL PANEL "A" WALL PANEL "B" WALL PANEL "C" WALL PANEL "D"

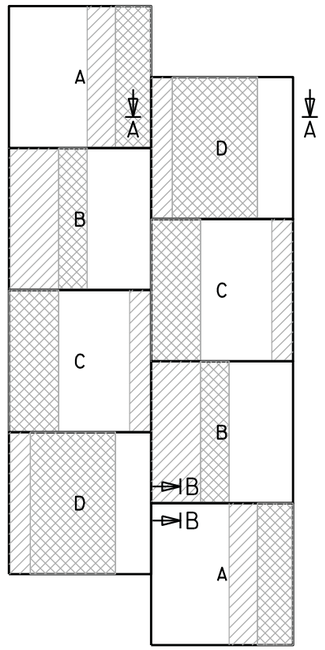
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

ARCHITECTURAL SURFACE TREATMENT NOTES:

SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-504".

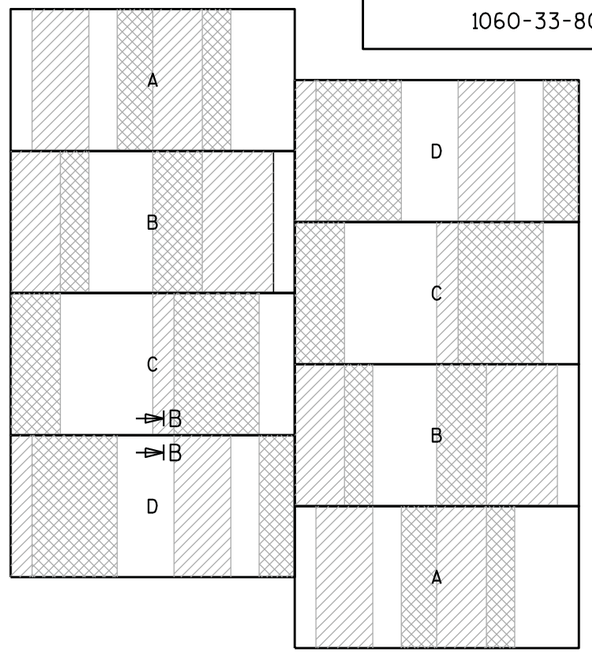


SECTION B-B



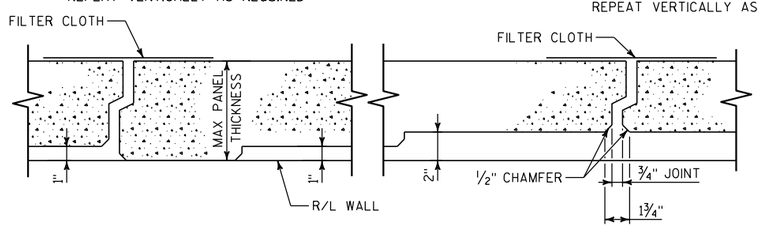
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN

PATTERN REPEATS 5' HORIZONTALLY, STAGGERED 30" VERTICALLY REPEAT VERTICALLY AS REQUIRED

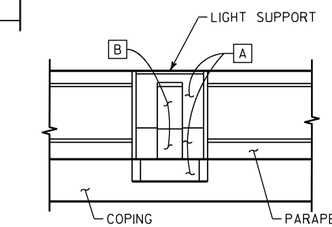


TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

PATTERN REPEATS 10' HORIZONTALLY, STAGGERED 30" VERTICALLY REPEAT VERTICALLY AS REQUIRED



SECTION A-A



OUTSIDE ELEVATION OF PARAPET

STAINING DIAGRAM

(AT LIGHT SUPPORT)

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

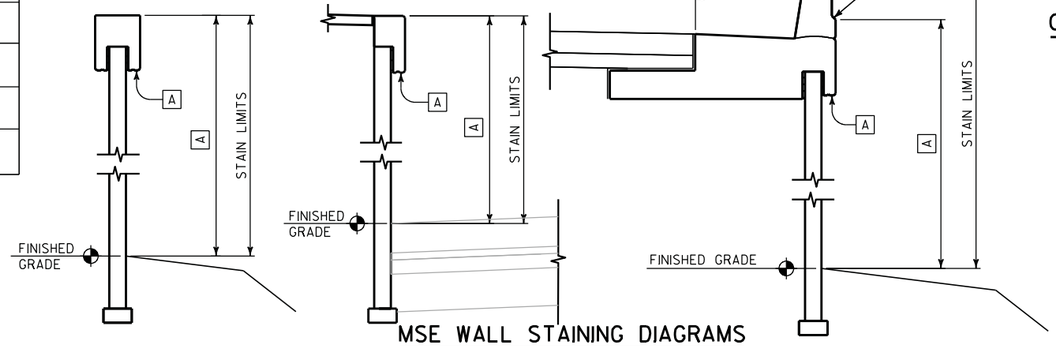
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS

STAIN COLORS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR : 33564
ACCENT COLOR #1: 33448



MSE WALL STAINING DIAGRAMS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-504

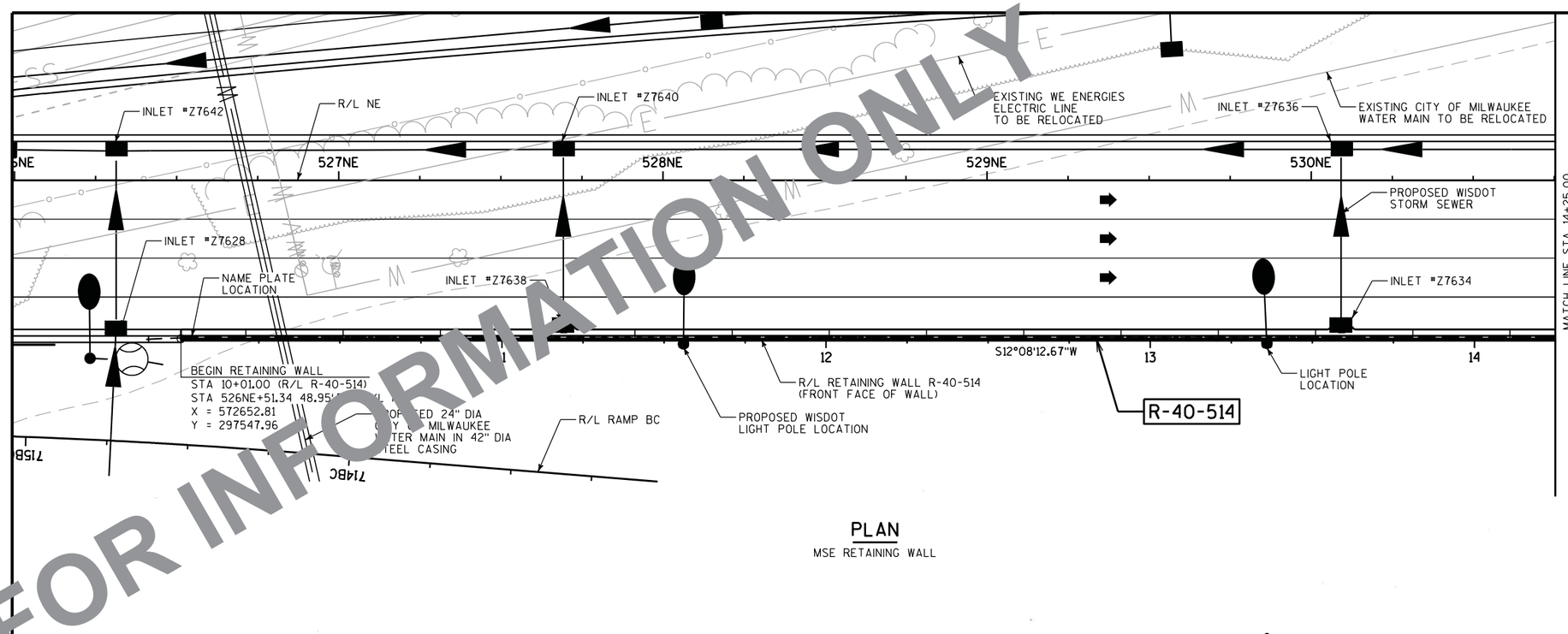
DRAWN BY KTM | PLANS CK'D. ENS

AESTHETIC WALL TREATMENT DETAILS

SHEET 22 OF 24

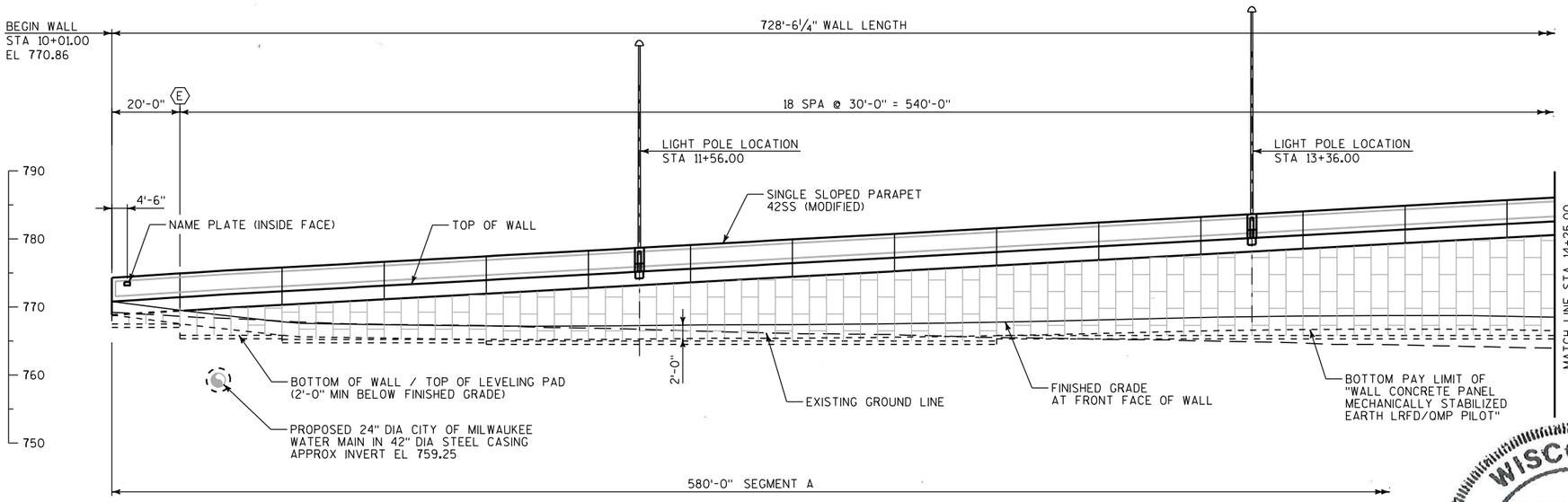
8

8



PLAN

MSE RETAINING WALL



ELEVATION

LOOKING EAST AT FRONT FACE OF WALL

STATE PROJECT NUMBER

1060-33-80

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	Fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE ABUTMENT BODY (SEGMENT C) TO RESIST THE FORCE FROM ALL HORIZONTAL EARTH PRESSURE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS INCLUDING THE VERTICAL EARTH SURCHAGE LOAD ABOVE THE BEAM SEATS AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE RETAINING WALL OUTSIDE OF THE NORTH ABUTMENT LIMITS OF BRIDGE B-40-857 FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 2)
2. GENERAL PLAN & ELEVATION (2 OF 2)
3. GENERAL NOTES, QUANTITIES & PROFILE GRADE LINES
4. TYPICAL SECTIONS (1 OF 2)
5. TYPICAL SECTIONS (2 OF 2)
6. ELEVATION TABLES & REINFORCEMENT SCHEDULE
7. SEGMENT A REINFORCEMENT DETAILS
8. SEGMENT C REINFORCEMENT DETAILS
9. SEGMENT E REINFORCEMENT DETAILS
10. INLET DETAILS
11. ANCHOR SLAB INLET COVER SPECIAL
12. LIGHT BLISTER DETAILS
13. AESTHETIC WALL TREATMENT DETAILS
14. SUBSURFACE EXPLORATION (1 OF 2)
15. SUBSURFACE EXPLORATION (2 OF 2)

LEGEND

- C CONTRACTION JOINT
- E EXPANSION JOINT
- TRAFFIC DIRECTION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN EDWARD K. McCRIGHT E37422 MILWAUKEE, WI 5/1/14 PROFESSIONAL ENGINEER

STRUCTURE R-40-514

WALL ALONG USH 45 S.B. TO I.H. 94 E.B.

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: MILWAUKEE
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EKM	AAG	TEK	EKM

GENERAL PLAN & ELEVATION (1 OF 2)

SHEET 1 OF 15

6570

FOR INFORMATION ONLY

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

END RETAINING WALL
STA 17+29.52 (R/L R-40-514)
STA 531NE+96.34 12.95'LT (R/L NE)
X = 572598.74
Y = 297002.13

CONNECT PIPE UNDERDRAIN WRAPPED 6-INCH TO INLET *Z7554

WALL CORNER
STA 16+77 (R/L R-40-514)
STA 532NE+57.09 12.95'LT (R/L NE)
X = 572585.7
Y = 296942.

INLET *Z7632

N12°08'12.67"E

R/L NE

531NE | 532NE | 533NE | 534NE | 535NE

MATCH LINE STA 14+25.00

PROPOSED STORM SEWER

STA 16+55.82 (R/L R-40-514)
STA 532NE+57.09 (R/L NE)

B-40-857

S77°51'41"E

WALL CORNER
STA 16+06.75 (R/L R-40-514)
STA 532NE+57.09 49.07'RT (R/L NE)
X = 572525.33
Y = 296955.77

INLET *Z7518A

MN98W | MN97W | MN96W

PROPOSED STORM SEWER

R/L NW

S12°08'12.67"W

15 | 16

LIGHT POLE LOCATION

R-40-514

S13°11'27.88"W

R/L RAMP BC

P.I. RETAINING WALL
STA 16+00.00 (R/L R-40-514)
STA 532NE+50.34 48.95'RT (R/L NE)
X = 572526.87
Y = 296962.35

PLAN

MSE RETAINING WALL

728'-6¼" WALL LENGTH

STA 15+81.00 EL 787.11
STA 15+99.50 EL 787.62
STA 16+76.02 EL 787.38
STA 16+94.52 EL 786.87
END WALL STA 17+29.52 EL 785.67

WALL PI STA 16+00.00 EL 787.63

LIGHT POLE LOCATION STA 15+16.00

18 SPA @ 30'-0" = 540'-0"

20'-0" | 31'-0⅛" | 10'-0" TYP | 62'-0¼" | 35'-0"

SINGLE SLOPED PARAPET 42SS (MODIFIED)

TOP OF WALL

B-40-857

CONC COPING

EL 779.18

BOTTOM OF WALL / TOP OF LEVELING PAD (2'-0" MIN BELOW FINISHED GRADE)

FINISHED GRADE

790 | 780 | 770 | 760 | 750

MATCH LINE STA 14+25.00

2'-0"

BOTTOM PAY LIMIT OF "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT"

EXISTING GROUND LINE

7'-3" | 7'-3"

WALL CORNER STA 16+06.75

WALL CORNER STA 16+68.77

580'-0" SEGMENT A | 18'-6" SEGMENT B | 76'-6¼" SEGMENT C | 18'-6" SEGMENT D | 35'-0" SEGMENT E

ELEVATION

LOOKING AT FRONT FACE OF WALL

LEGEND

- TRAFFIC DIRECTION
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- ☆ STRUCTURAL APPROACH SLAB, SEE B-40-857 PLANS FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-514

DRAWN BY TEK | PLANS CK'D. EKM

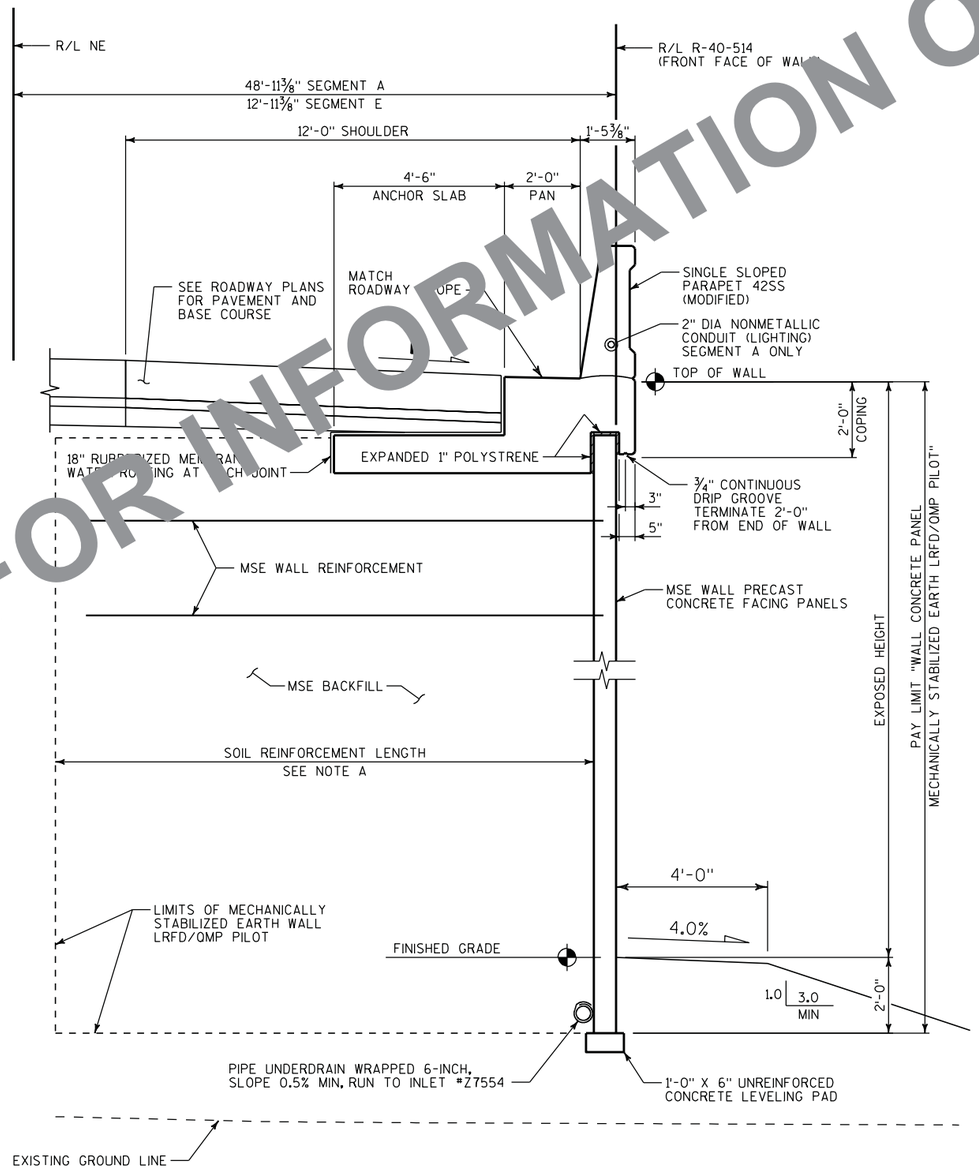
GENERAL PLAN & ELEVATION (2 OF 2)

SHEET 2 OF 15

8 | 8

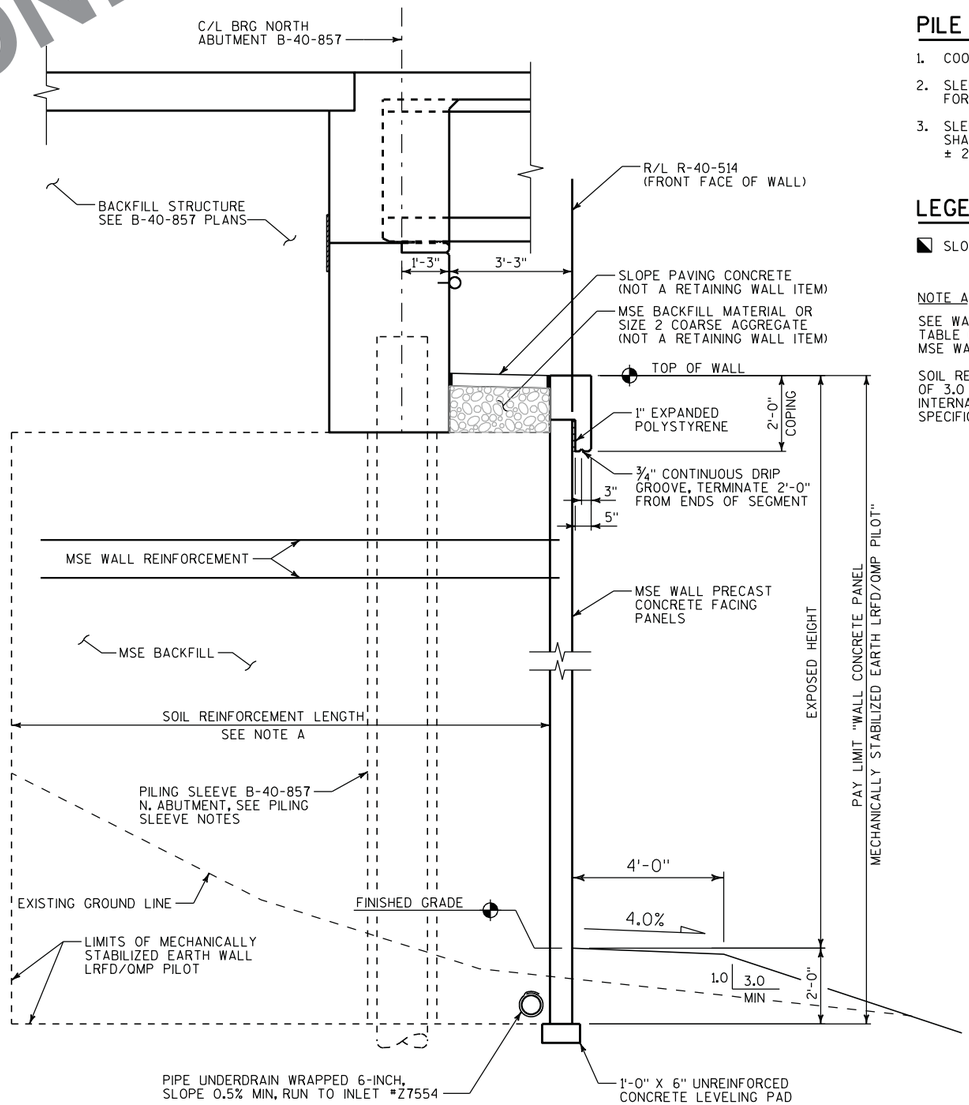
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENTS A & E - TYPICAL WALL SECTION

SEGMENT A LOOKING SOUTH - STA 10+01.00 TO STA 15+81.00
SEGMENT E LOOKING NORTH - STA 16+94.52 TO STA 17+29.52



SEGMENT C - TYPICAL WALL SECTION

STA 16+00.00 TO STA 16+75.52
LOOKING EAST

PILE SLEEVE NOTES

1. COORDINATE SLEEVE LOCATIONS WITH BRIDGE B-40-857 PLANS.
2. SLEEVES SHALL BE PLACED FROM LOWER LIMITS OF EXCAVATION FOR MSE REINFORCED ZONE TO BOTTOM OF ABUTMENT.
3. SLEEVES SHALL BE PLACED BEFORE BACKFILL IS STARTED AND SHALL BE ADEQUATELY BRACED TO MAINTAIN POSITION WITHIN ± 2" AS BACKFILL PROCEEDS.

LEGEND

◥ SLOPE VARIES 4.0% TO 2%

NOTE A

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 3 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-514

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTIONS
(1 OF 2)

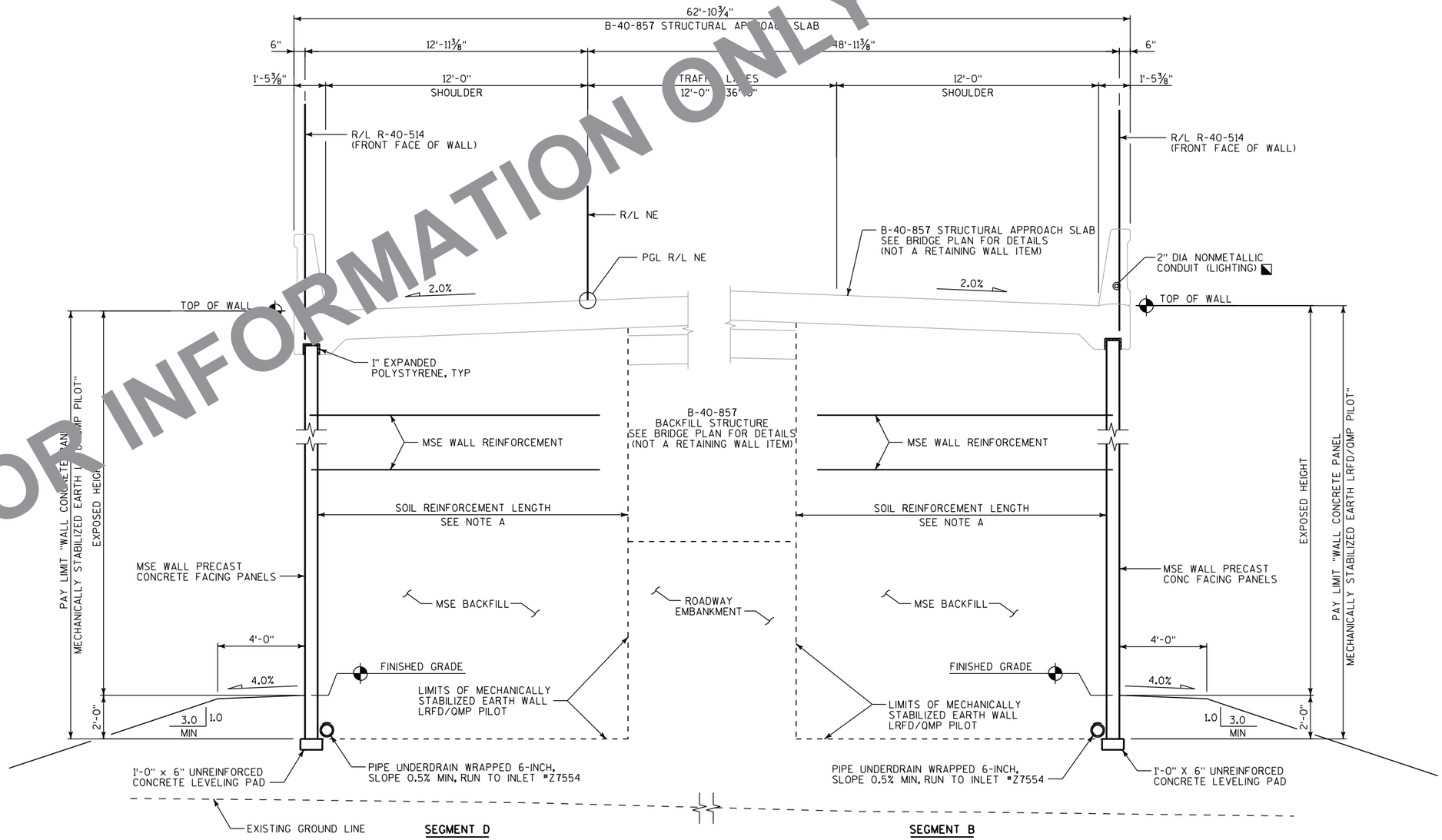
SHEET 4 OF 15

6572

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PLOT DATE : 30-APR-2014 13:37
PLOT BY : MSCTEK
PLOT NAME : R514_080104_ts
PLOT SCALE : 4:1

STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



LEGEND

◥◣ NOT A RETAINING WALL ITEM

NOTE A

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 3 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

SEGMENTS B & D - TYPICAL WALL SECTION

SEGMENT B - STA 15+81.00 TO STA 15+99.50 LOOKING SOUTH
SEGMENT D - STA 16+76.02 TO STA 16+94.52 LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-514

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTIONS
(2 OF 2)

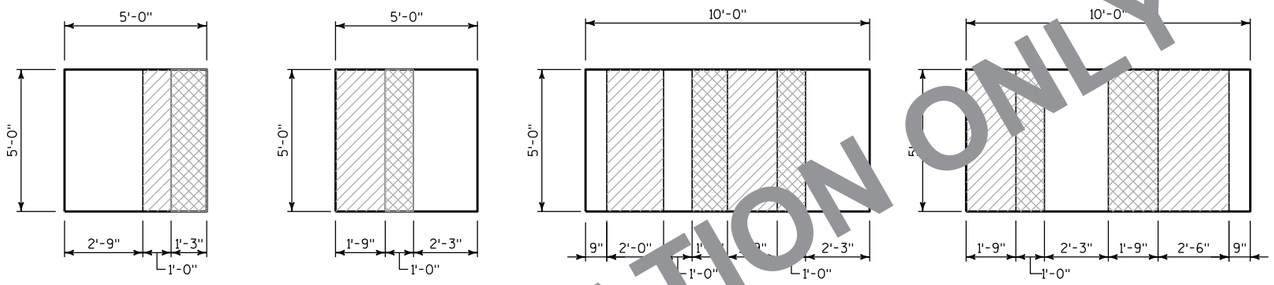
SHEET 5 OF 15

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PLOT BY : MSCTEK
PLOT NAME : R514_080105_ts
PLOT SCALE : 5.333333:1

FOR INFORMATION ONLY

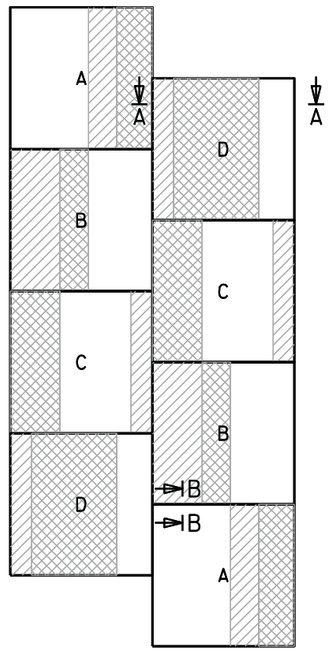
STATE PROJECT NUMBER

1060-33-80

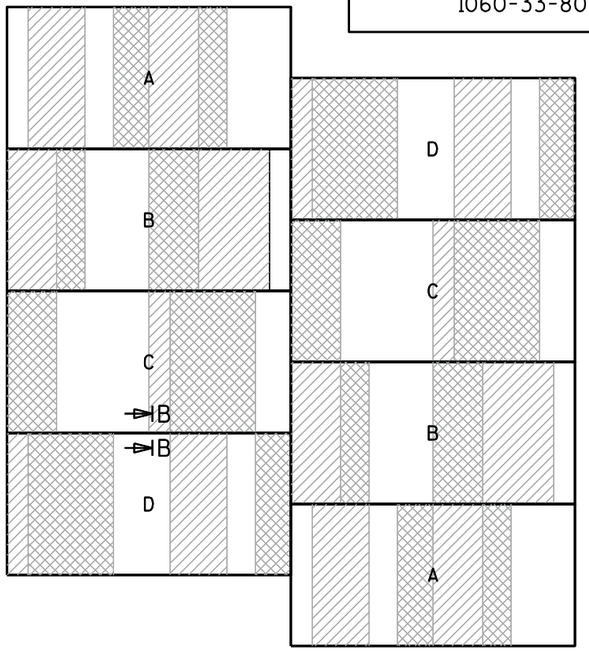


5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



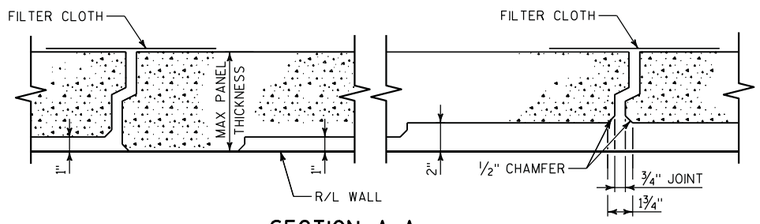
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"



SECTION A-A

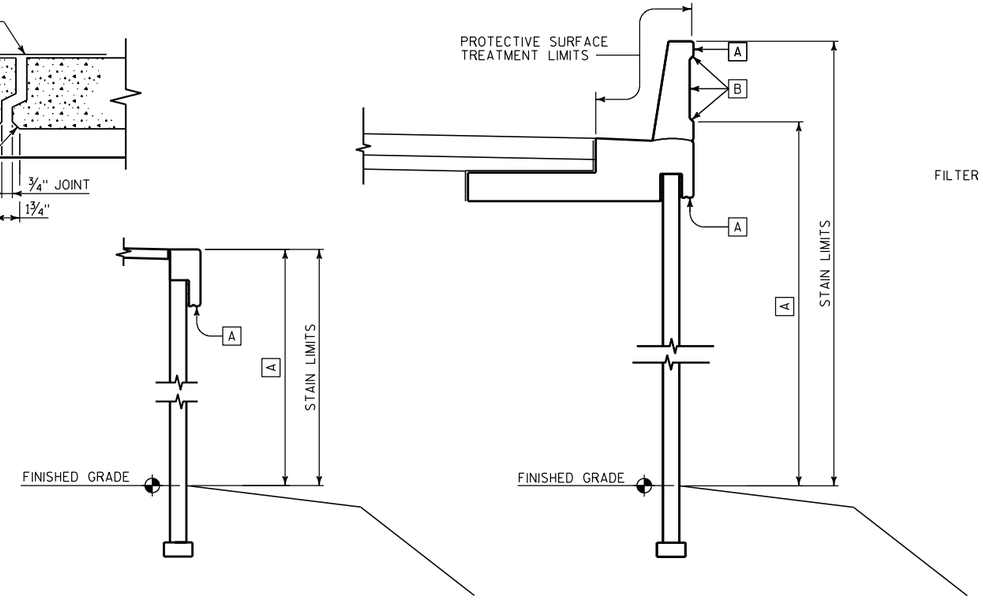
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS

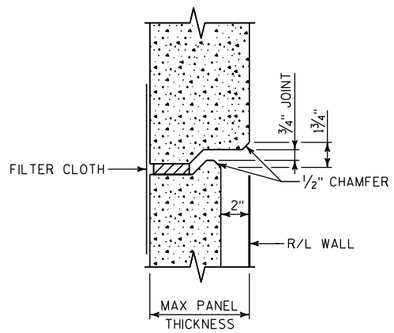
STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.
BASE COLOR - 33564
ACCENT COLOR 1 - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



MSE WALL STAINING DIAGRAM



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-514

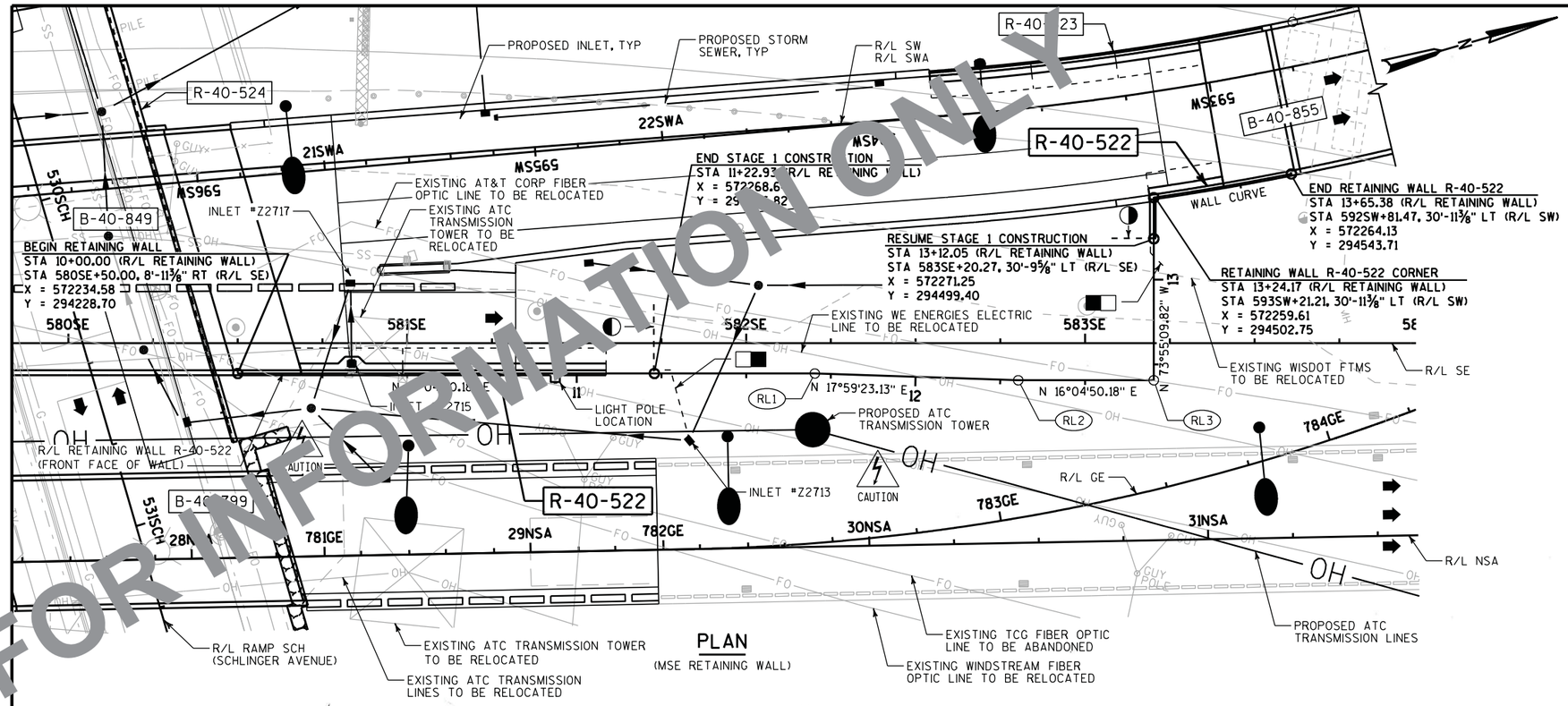
DRAWN BY TEK | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS

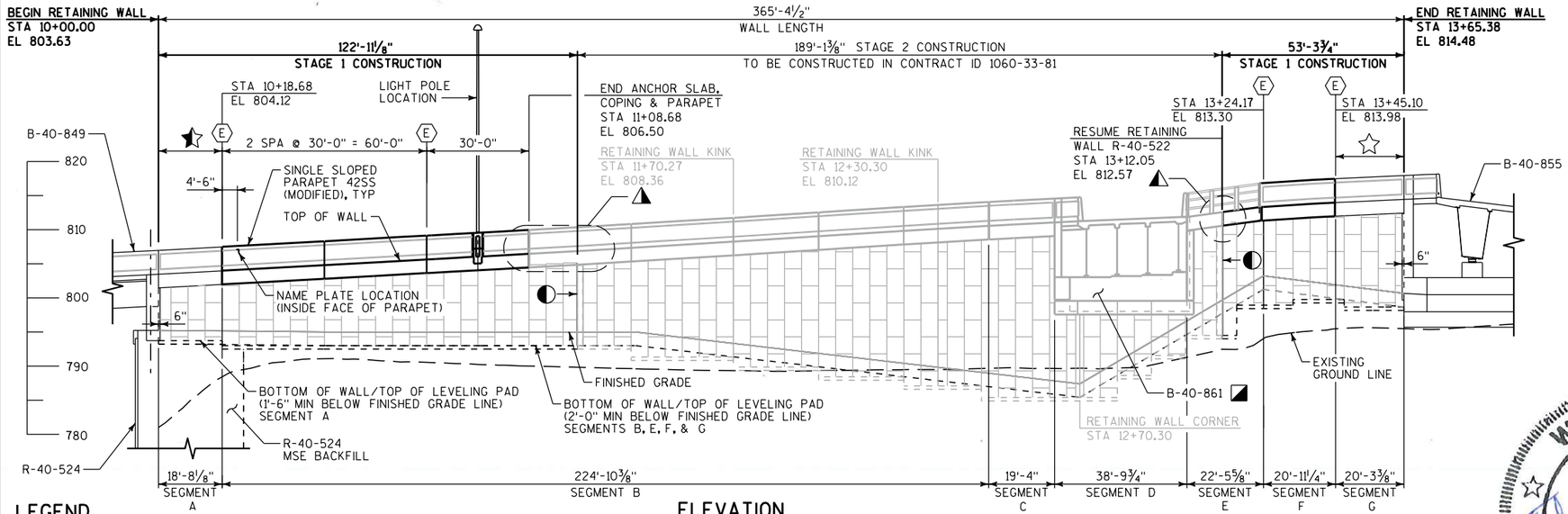
SHEET 13 OF 15

8

8



PLAN
(MSE RETAINING WALL)



ELEVATION
(LOOKING AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- STRUCTURAL APPROACH SLAB, SEE B-40-849 PLANS
- STRUCTURAL APPROACH SLAB SEE B-40-855 PLANS
- TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT, SEE SHEETS 3 & 4 FOR DETAILS
- TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH, SEE SHEET 4 FOR DETAILS
- TO BE CONSTRUCTED IN CONTRACT ID 1060-33-81
- SEE SHEET 9 FOR RESUME RETAINING WALL COPING DETAILS
- SEE SHEET 8 FOR END ANCHOR SLAB, COPING AND PARAPET DETAILS
- PIPE UNDERDRAIN UNPERFORATED (6-INCH) CONNECT TO PROPOSED INLET NO. Z2713
- PIPE UNDERDRAIN UNPERFORATED (6-INCH) CONNECT TO REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN APPROX LOCATION STA 13+05.00, 2.00'RT INVERT EL 796.00

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	Fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE NORTH ABUTMENT BODY OF BRIDGE B-40-849 TO RESIST THE FORCE FROM ALL HORIZONTAL EARTH PRESSURE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS INCLUDING THE VERTICAL EARTH SURCHARGE LOAD ABOVE THE BEAM SEATS AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL IN FRONT OF THE SOUTH ABUTMENT BODY OF BRIDGE B-40-855 FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A VERTICAL EARTH SURCHARGE LOAD BEHIND THE ABUTMENT AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL OUTSIDE OF THE ABUTMENT BODY FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

R/L LEGEND

(RL1) RETAINING WALL ALIGNMENT KINK
STA 11+70.27 (R/L RETAINING WALL)
STA 582SE+18.68, 8'-11⅜" RT (R/L SE)
X = 572281.75, Y = 294392.30

(RL2) RETAINING WALL ALIGNMENT KINK
STA 12+30.30 (R/L RETAINING WALL)
STA 582SE+80.27, 10'-11⅜" RT (R/L SE)
X = 572300.29, Y = 294449.40

(RL3) RETAINING WALL R-40-522 CORNER
STA 12+70.30 (R/L RETAINING WALL)
STA 583SE+20.27, 10'-11⅜" RT (R/L SE)
X = 572311.37, Y = 294487.83

HORIZONTAL CURVE DATA

WALL CURVE

P.I. =	STA 13+44.78
X =	572262.36
Y =	294523.18
Δ =	2°43'36.72" LT
D =	6°36'59.54"
R =	865.95'
T =	20.61
L =	41.21
E =	0.25
P.C. =	STA 13+24.17
X =	572259.61
Y =	294502.75
P.T. =	STA 13+65.38
X =	572264.13
Y =	294543.71

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, NOTES & PROFILE GRADE LINES
3. TYPICAL WALL SECTION (1 OF 3)
4. TYPICAL WALL SECTION (2 OF 3)
5. TYPICAL WALL SECTION (3 OF 3)
6. ELEVATION TABLES & REINFORCEMENT SCHEDULE
7. PARAPET, COPING & ANCHOR SLAB DETAILS
8. SEGMENT B REINFORCEMENT DETAILS
9. SEGMENT E & F REINFORCEMENT DETAILS
10. LIGHT SUPPORT DETAILS
11. INLET DETAILS
12. ANCHOR SLAB INLET COVER SPECIAL
13. AESTHETIC WALL TREATMENT DETAILS
14. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN EDWARD K. McCRIGHT E37422 MILWAUKEE, WI 5/1/14 PROFESSIONAL ENGINEER

STATE PROJECT NUMBER
1060-33-80

STRUCTURE R-40-522 (STAGE 1)

RAMP SE RETAINING WALL, B-40-849 TO B-40-855

COUNTY: MILWAUKEE	~~TOWN~~/CITY/~~VILLAGE~~: WEST ALLIS
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	
DESIGNED BY: EKM	DESIGN CK'D.: AAG
DRAWN BY: MS	PLANS CK'D.: EKM

GENERAL PLAN & ELEVATION

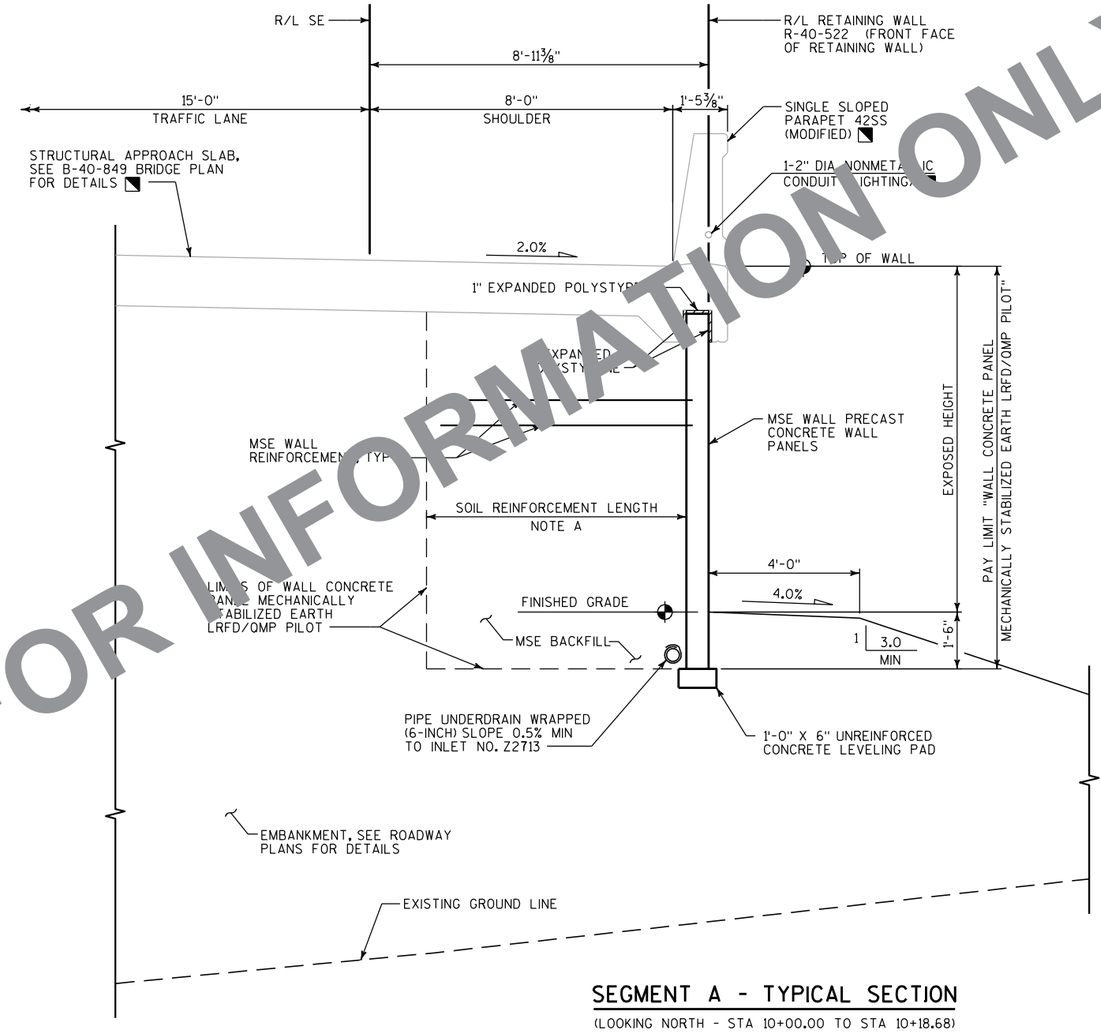
SHEET 1 OF 14

6575

FOR INFORMATION ONLY

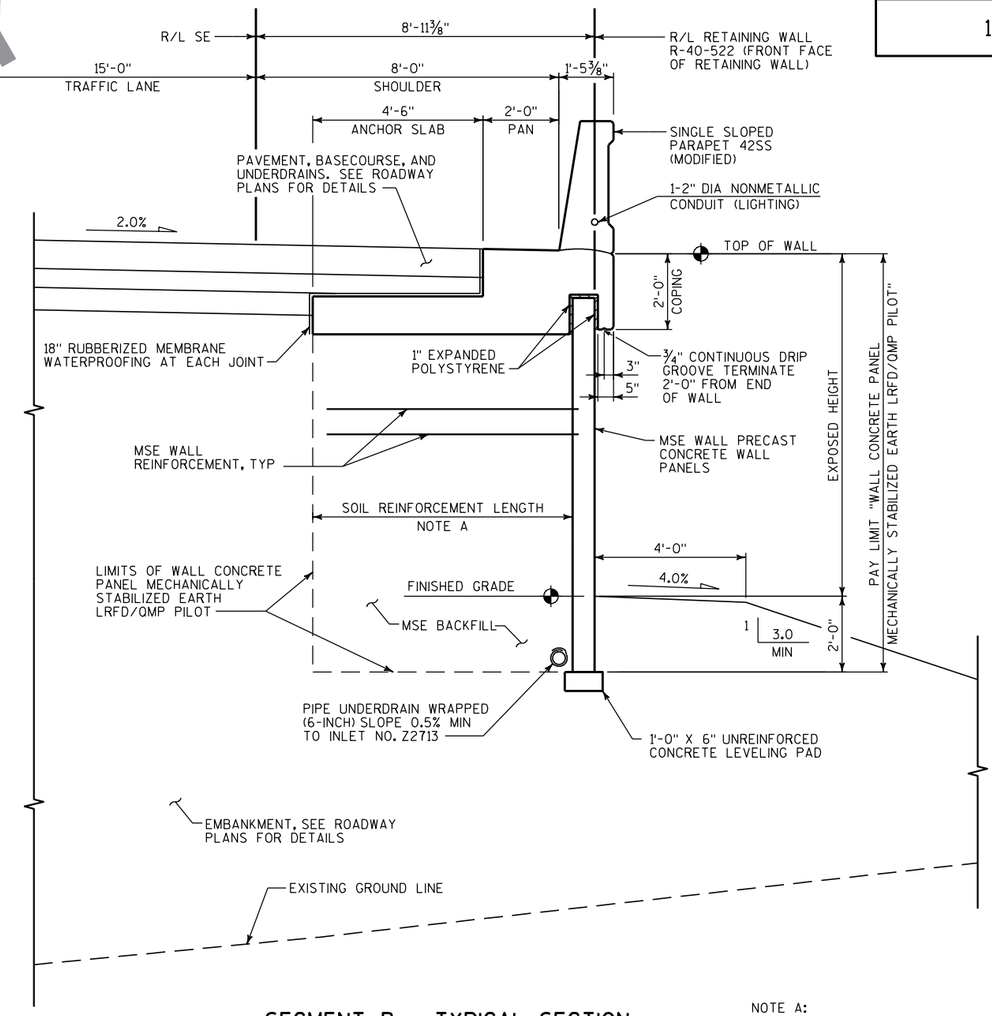
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



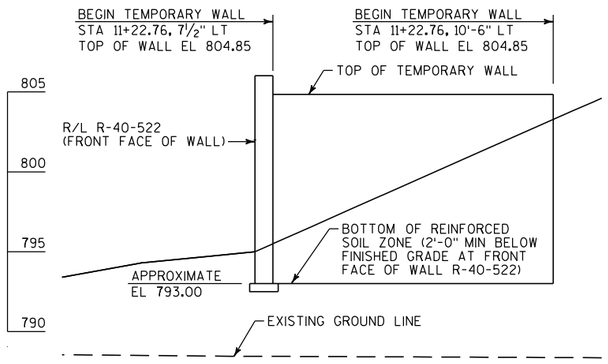
SEGMENT A - TYPICAL SECTION

(LOOKING NORTH - STA 10+00.00 TO STA 10+18.68)



SEGMENT B - TYPICAL SECTION

(LOOKING NORTH - STA 10+18.68 TO STA 11+08.68)



ELEVATION AT TEMPORARY WALL

LOOKING SOUTH - STA 11+22.76

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 2 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

LEGEND

NOT A RETAINING WALL ITEM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-522 (STAGE 1)

DRAWN BY MS | PLANS CK'D. EKM

TYPICAL WALL SECTIONS (1 OF 3)

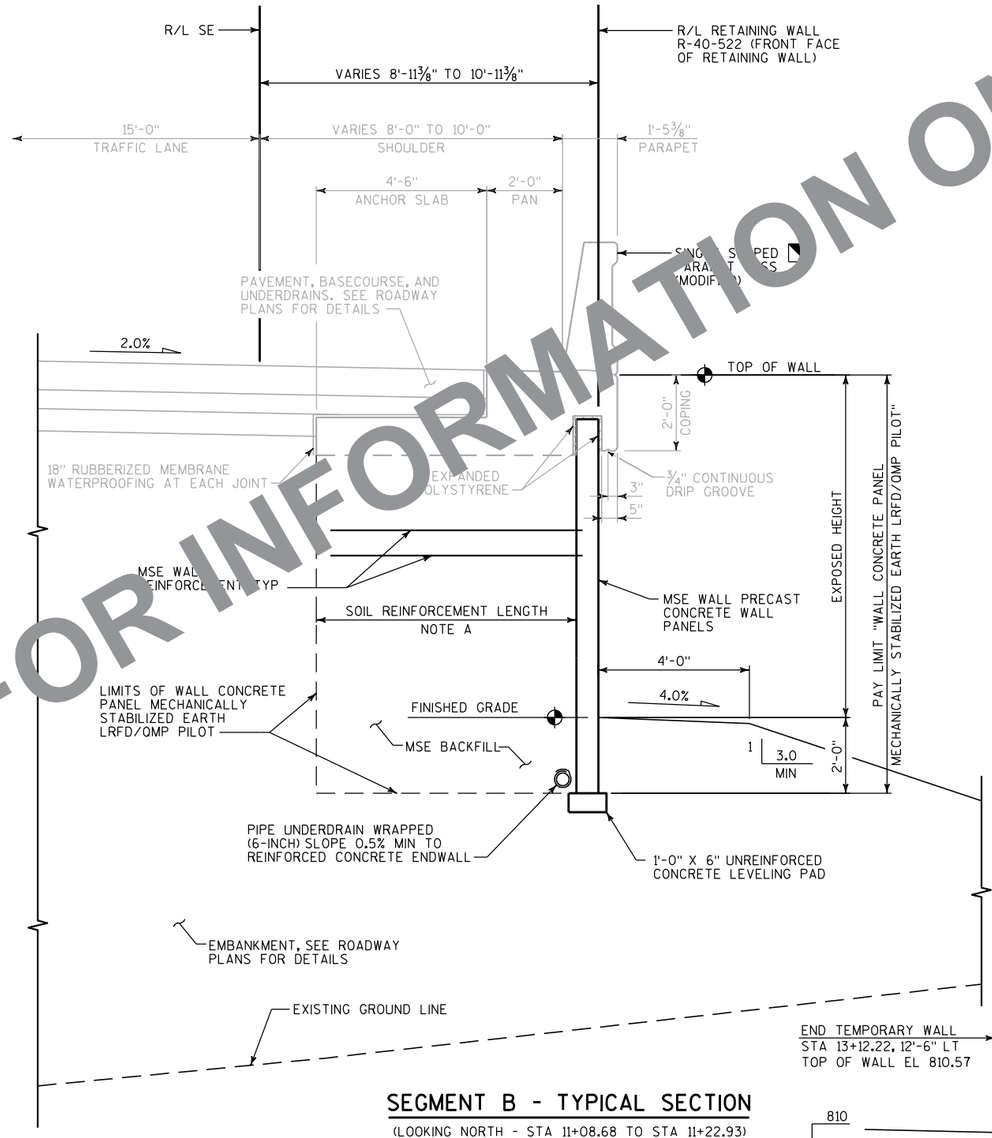
SHEET 3 OF 14

8

8

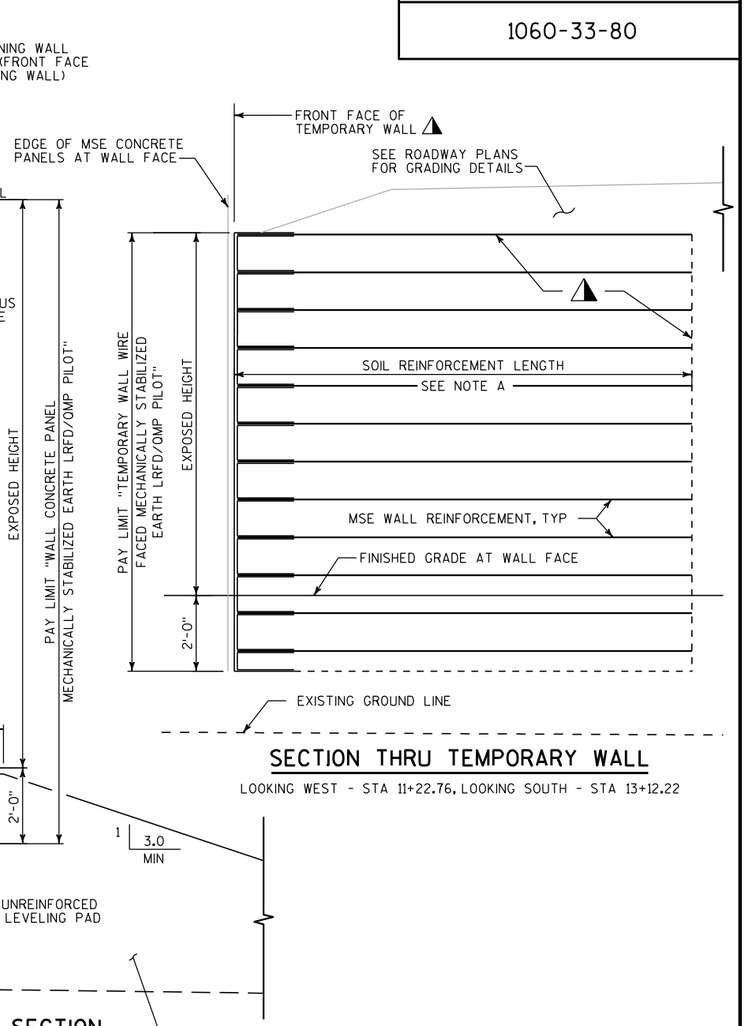
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT B - TYPICAL SECTION

(LOOKING NORTH - STA 11+08.68 TO STA 11+22.93)

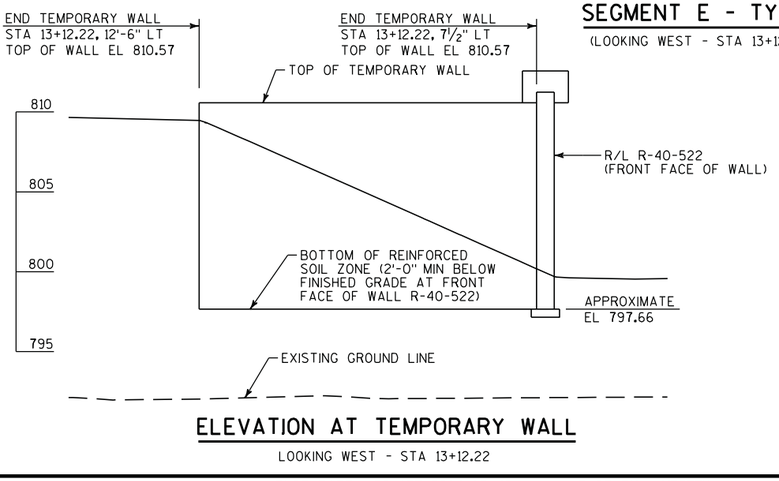


SEGMENT E - TYPICAL SECTION

(LOOKING WEST - STA 13+12.05 TO STA 13+24.17)

SECTION THRU TEMPORARY WALL

LOOKING WEST - STA 11+22.76, LOOKING SOUTH - STA 13+12.22



ELEVATION AT TEMPORARY WALL

LOOKING WEST - STA 13+12.22

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 2 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

LEGEND

- TO BE CONSTRUCTED IN CONTRACT ID 1060-33-81
- LIMITS OF TEMPORARY WALL WIRE FACED MECHANICALLY STABILZED EARTH LRFD/OMP PILOT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-522 (STAGE 1)

DRAWN BY MS | PLANS CK'D. EKM

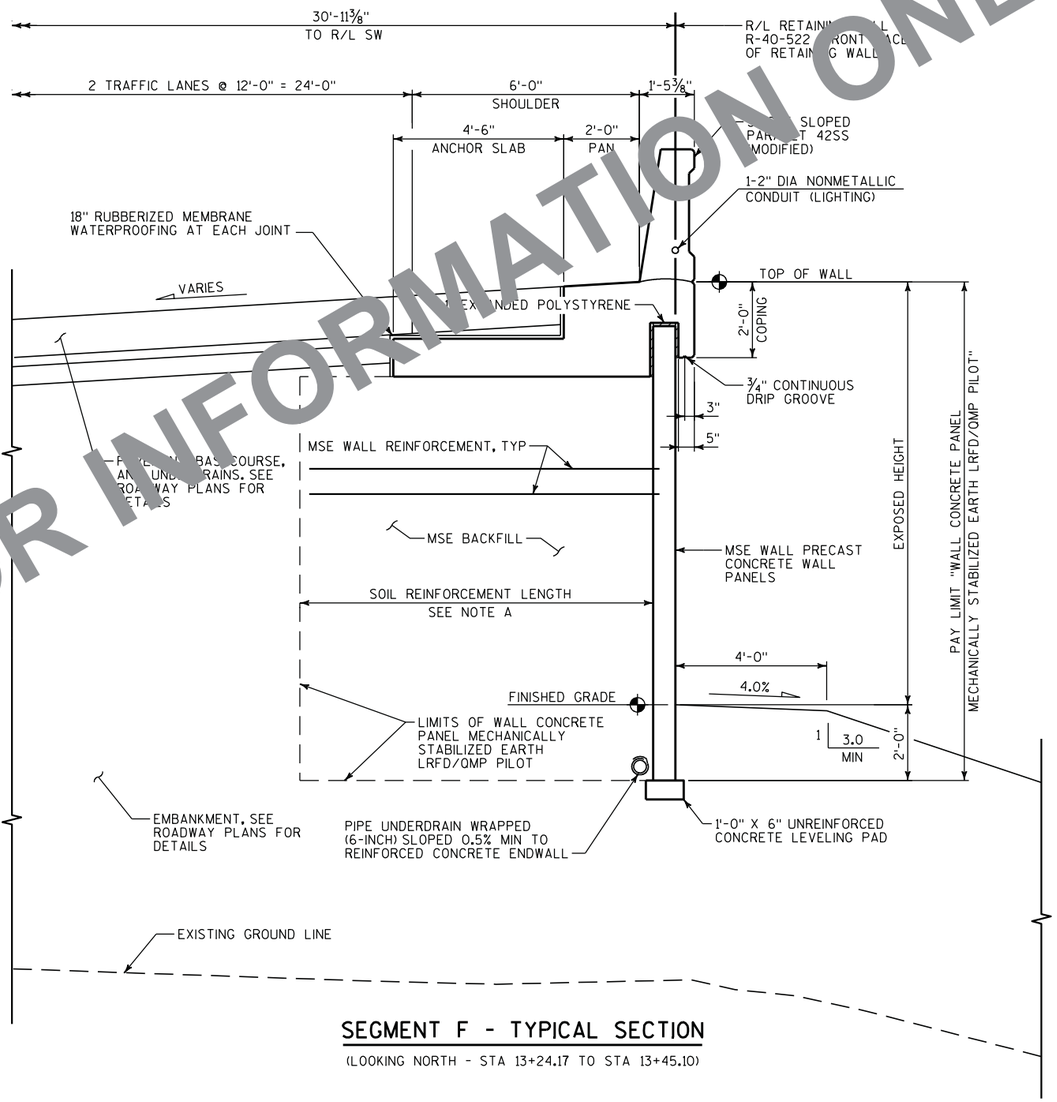
TYPICAL WALL SECTIONS (2 OF 3)

SHEET 4 OF 14

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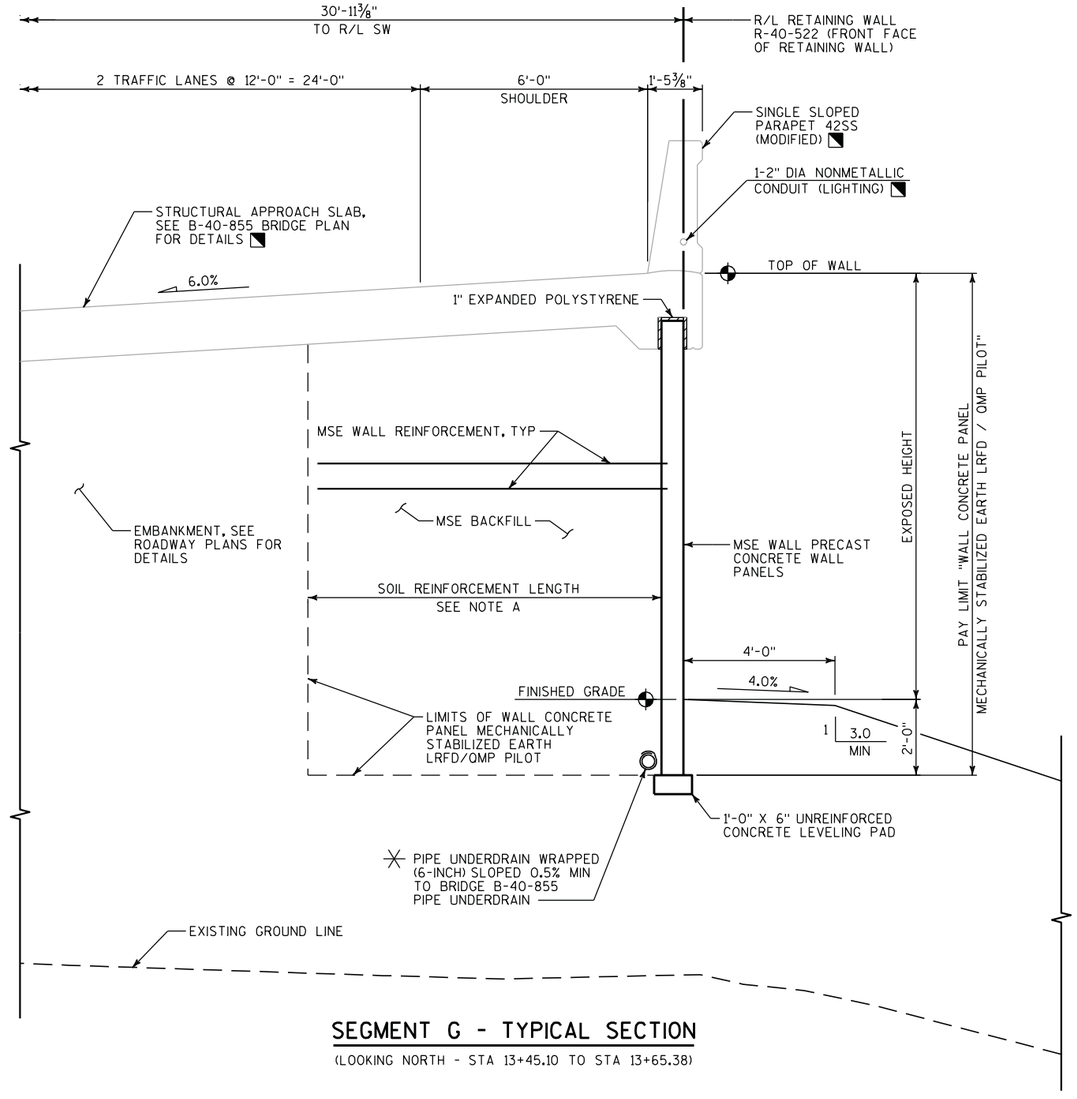
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT F - TYPICAL SECTION

(LOOKING NORTH - STA 13+24.17 TO STA 13+45.10)



SEGMENT G - TYPICAL SECTION

(LOOKING NORTH - STA 13+45.10 TO STA 13+65.38)

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 2 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

LEGEND

◥ NOT A RETAINING WALL ITEM

✳ PIPE FITTINGS REQUIRED TO CONNECT PIPE UNDERDRAIN WRAPPED (6-INCH) TO BRIDGE B-40-855 UNDERDRAIN ARE INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-522 (STAGE 1)

DRAWN BY MS | PLANS CK'D. EKM

TYPICAL WALL SECTIONS (3 OF 3)

SHEET 5 OF 14

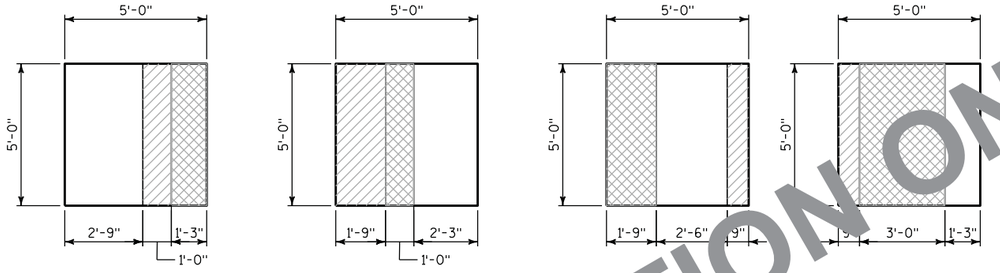
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FILE NAME : W:\Cadd\Final\10603380_Z1\Structs\R-40-522\cds\R522_080203_ts.dgn
PLOT DATE : 30-APR-2014 13:49
PLOT BY : MSCTEK
PLOT NAME : R522_080203_ts
PLOT SCALE : 4.000008:1

FOR INFORMATION ONLY

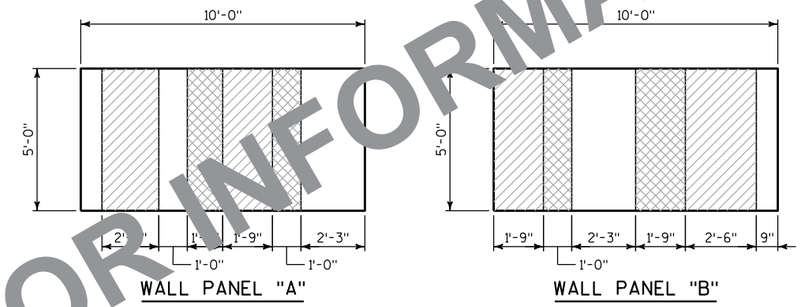
STATE PROJECT NUMBER

1060-33-80

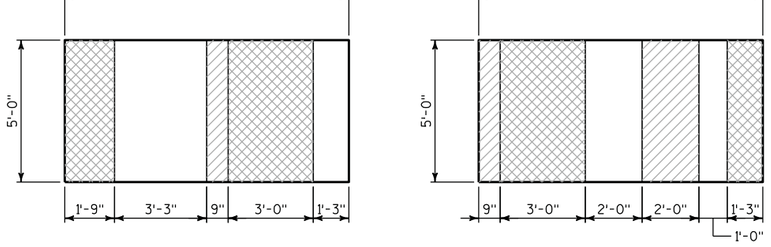


WALL PANEL "A" WALL PANEL "B" WALL PANEL "C" WALL PANEL "D"

5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



WALL PANEL "A" WALL PANEL "B"

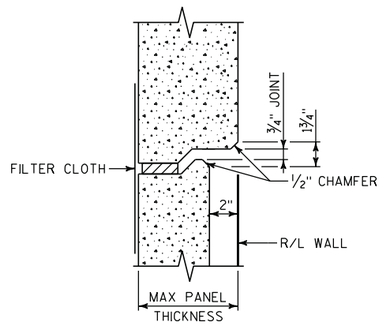


WALL PANEL "C" WALL PANEL "D"

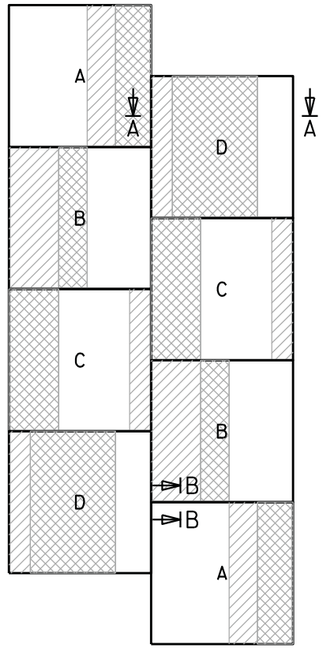
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

LEGEND

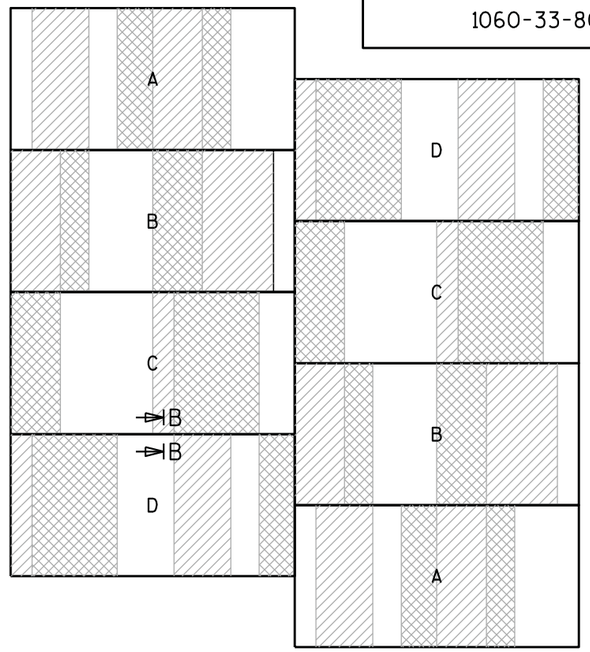
- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS + 0"



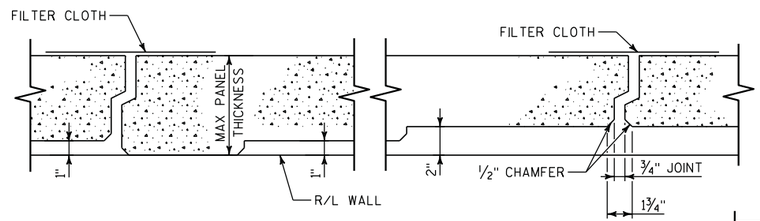
SECTION B-B



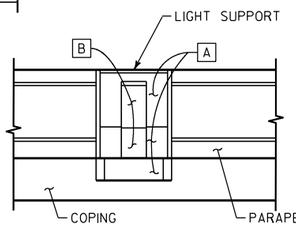
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN



SECTION A-A



OUTSIDE ELEVATION OF PARAPET STAINING DIAGRAM

(AT LIGHT SUPPORT)

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

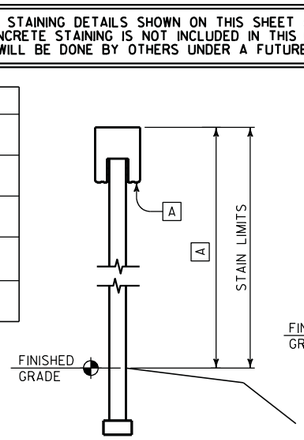
CONCRETE STAINING SCHEDULE

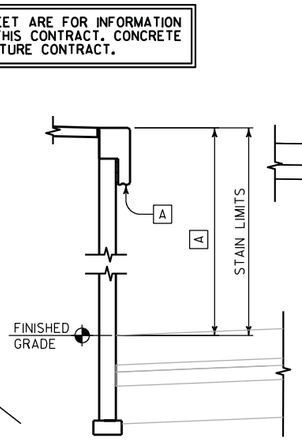
MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR #1	VERTICAL FACE PARAPETS	RECESSED PANELS ON BOTH SIDES

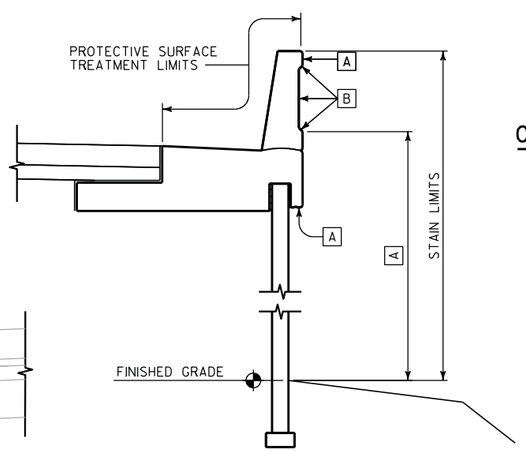
STAIN COLORS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR : 33564
ACCENT COLOR #1: 33448







NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-522 (STAGE 1)

DRAWN BY TEK | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS

SHEET 13 OF 14

6579

8

8

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

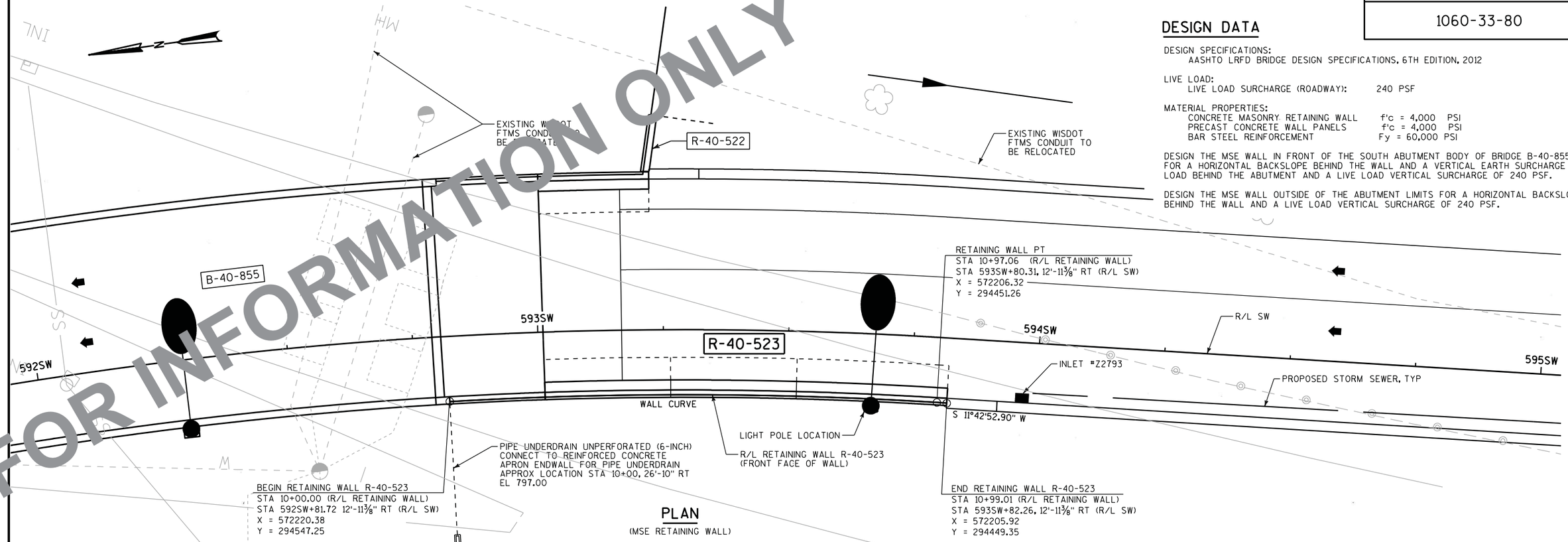
LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

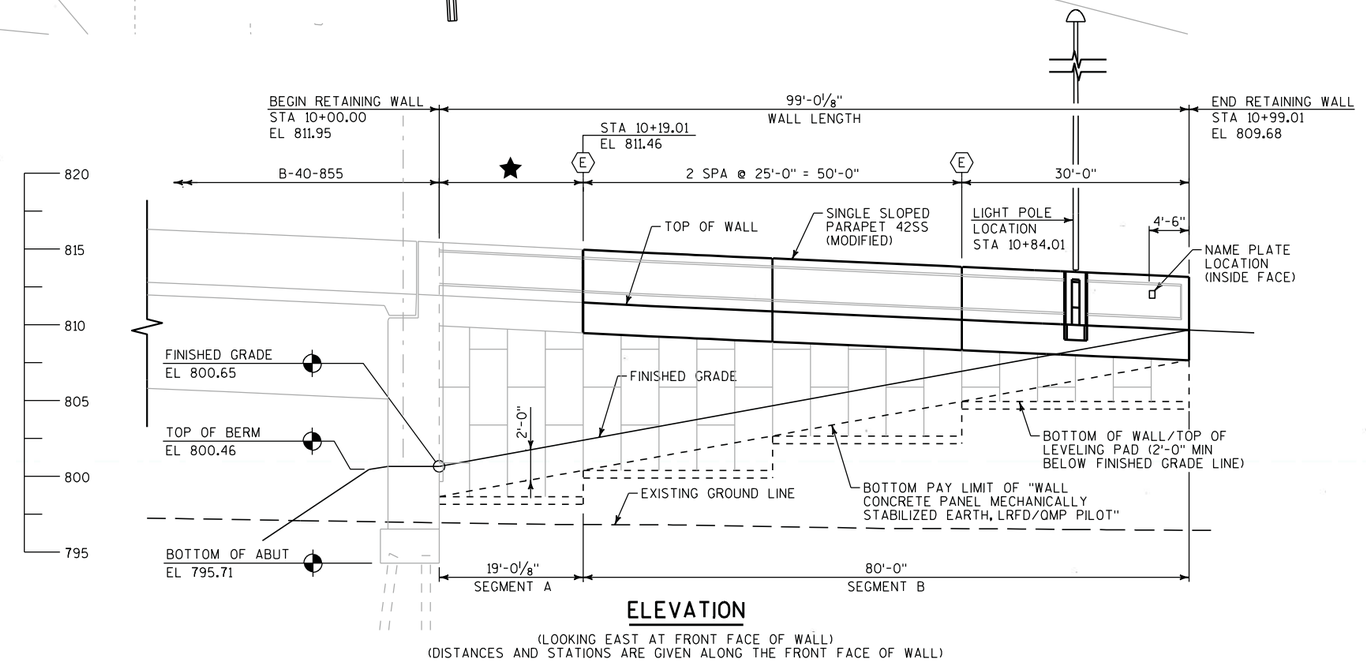
CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	Fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE SOUTH ABUTMENT BODY OF BRIDGE B-40-855 FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A VERTICAL EARTH SURCHARGE LOAD BEHIND THE ABUTMENT AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL OUTSIDE OF THE ABUTMENT LIMITS FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.



PLAN
(MSE RETAINING WALL)



ELEVATION
(LOOKING EAST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, NOTES & PROFILE GRADE LINE
3. TYPICAL WALL SECTIONS
4. PARAPET, COPING & ANCHOR SLAB DETAILS
5. SEGMENT B REINFORCEMENT DETAILS
6. LIGHT SUPPORT DETAILS
7. AESTHETIC WALL TREATMENT DETAILS
8. SUBSURFACE EXPLORATION

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- ★ STRUCTURAL APPROACH SLAB SEE B-40-855 PLANS

STRUCTURES DESIGN CONTACTS
BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN EDWARD K. McCRIGHT E37422 MILWAUKEE, WI 5/1/14 PROFESSIONAL ENGINEER

STRUCTURE R-40-523

B-40-855 SOUTH ABUTMENT WEST WINGWALL

COUNTY	TOWN/~~CITY/~~VILLAGE
MILWAUKEE	WEST ALLIS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EKM	AAG	MS	EKM

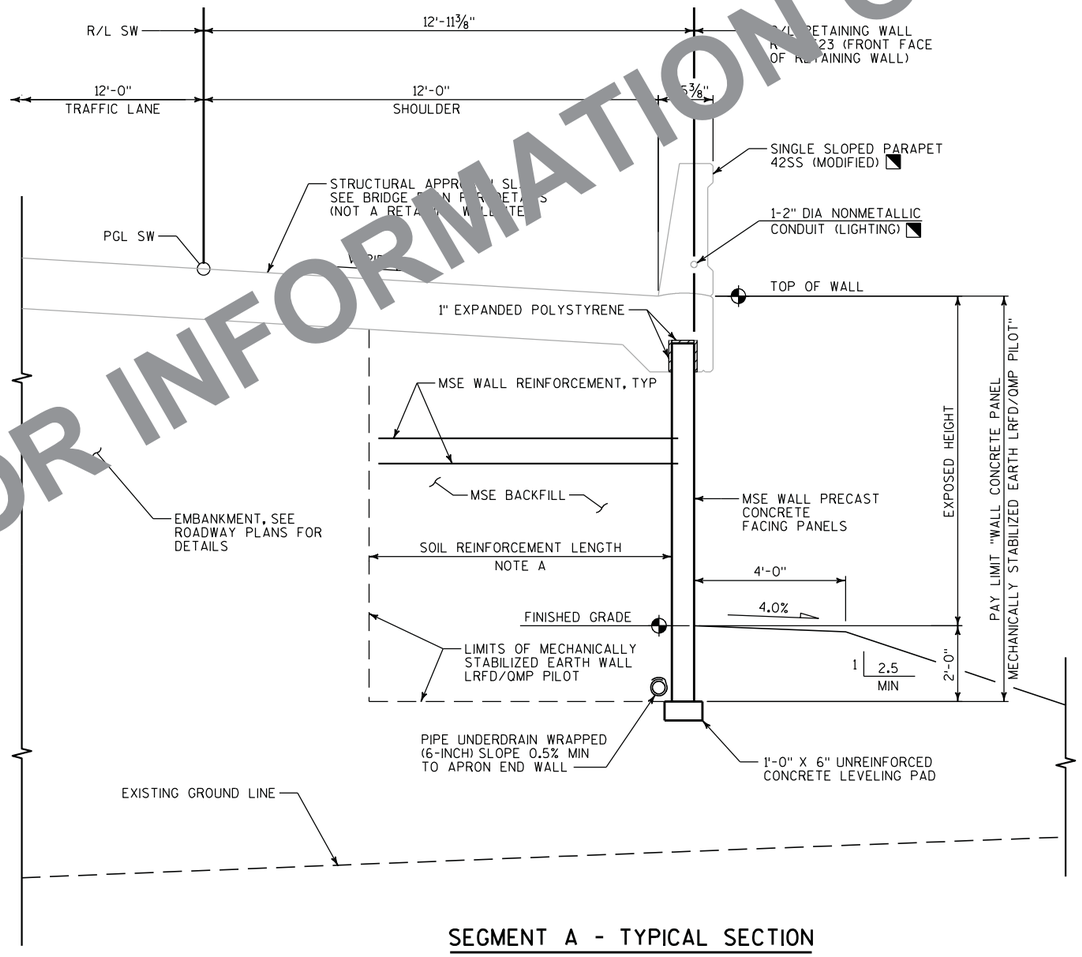
GENERAL PLAN & ELEVATION

SHEET 1 OF 8

8 8

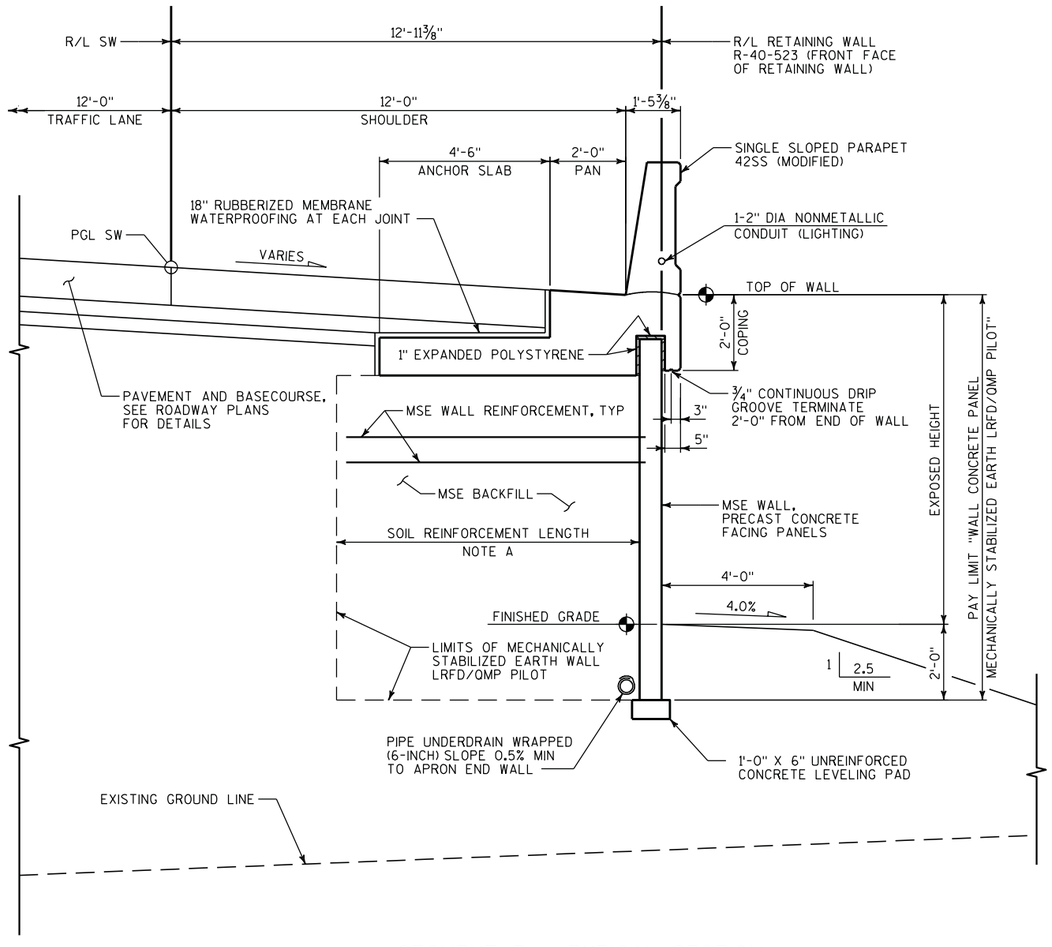
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT A - TYPICAL SECTION

(LOOKING SOUTH - STA 10+00.00 TO STA 10+19.01)



SEGMENT B - TYPICAL SECTION

(LOOKING SOUTH - STA 10+19.01 TO STA 10+99.01)

8

8

LEGEND

◥ NOT A RETAINING WALL ITEM

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 2 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-523

DRAWN BY	MS	PLANS CK'D.	EKM

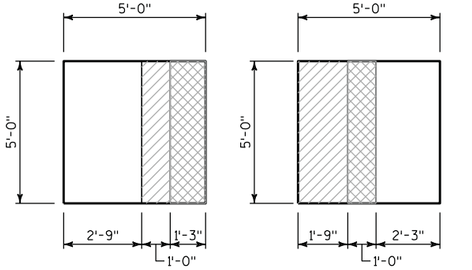
TYPICAL WALL SECTIONS

SHEET 3 OF 8

FOR INFORMATION ONLY

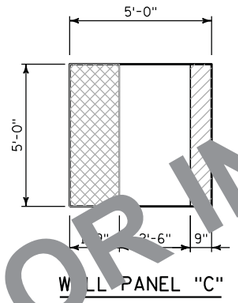
STATE PROJECT NUMBER

1060-33-80

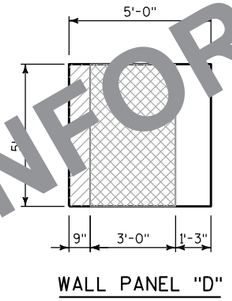


WALL PANEL "A"

WALL PANEL "B"

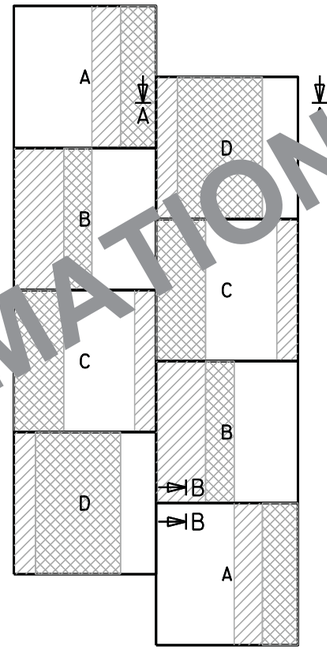


WALL PANEL "C"

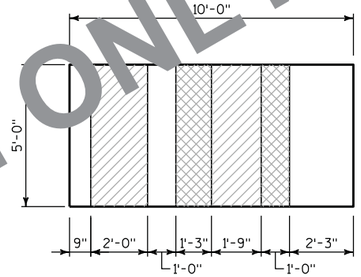


WALL PANEL "D"

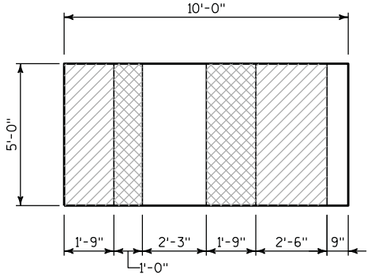
5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



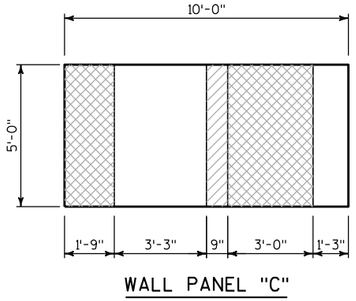
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



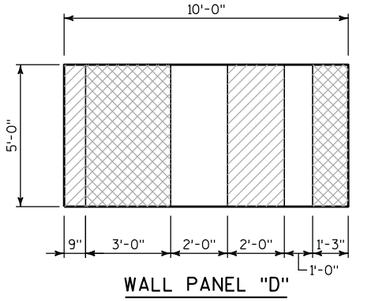
WALL PANEL "A"



WALL PANEL "B"

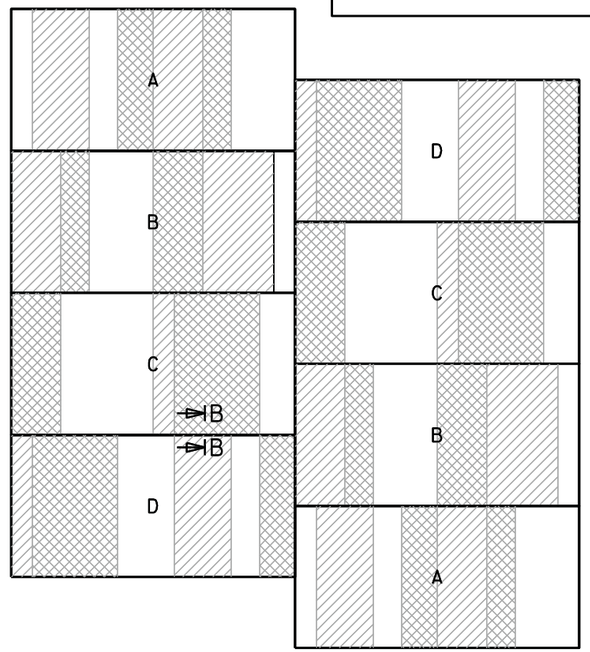


WALL PANEL "C"



WALL PANEL "D"

5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS

STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.
BASE COLOR - 33564
ACCENT COLOR #1 - 33448

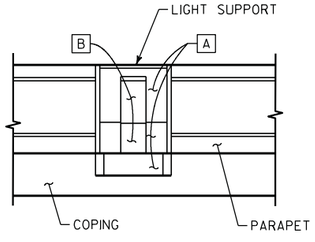
LEGEND

PANEL THICKNESS - 2"

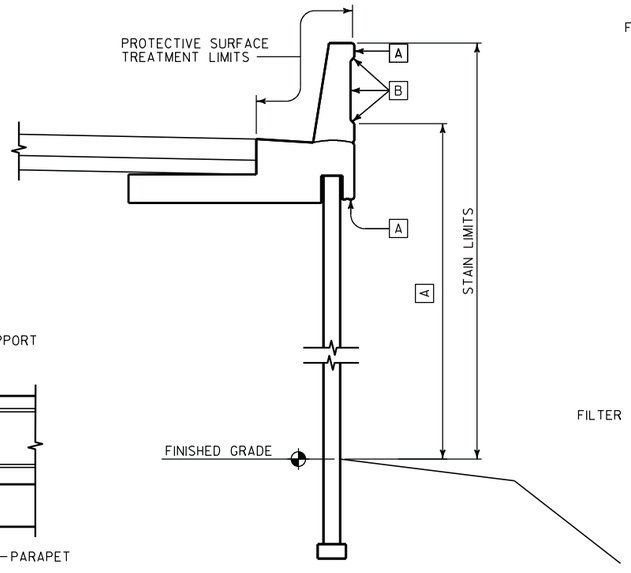
PANEL THICKNESS - 1"

PANEL THICKNESS - 0"

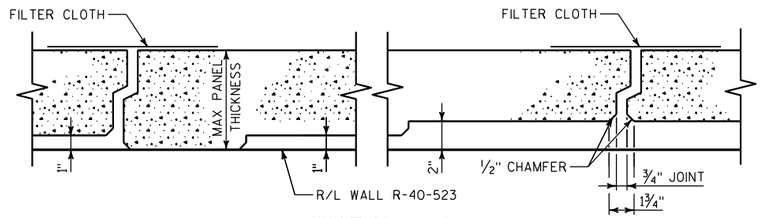
CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



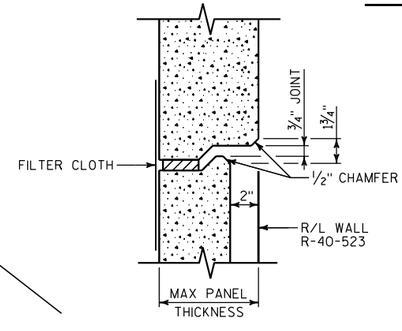
OUTSIDE ELEVATION OF PARAPET STAINING DIAGRAM
(AT LIGHT SUPPORT)



MSE WALL STAINING DIAGRAM



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-523

DRAWN BY MS | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS

SHEET 7 OF 8

6582

8

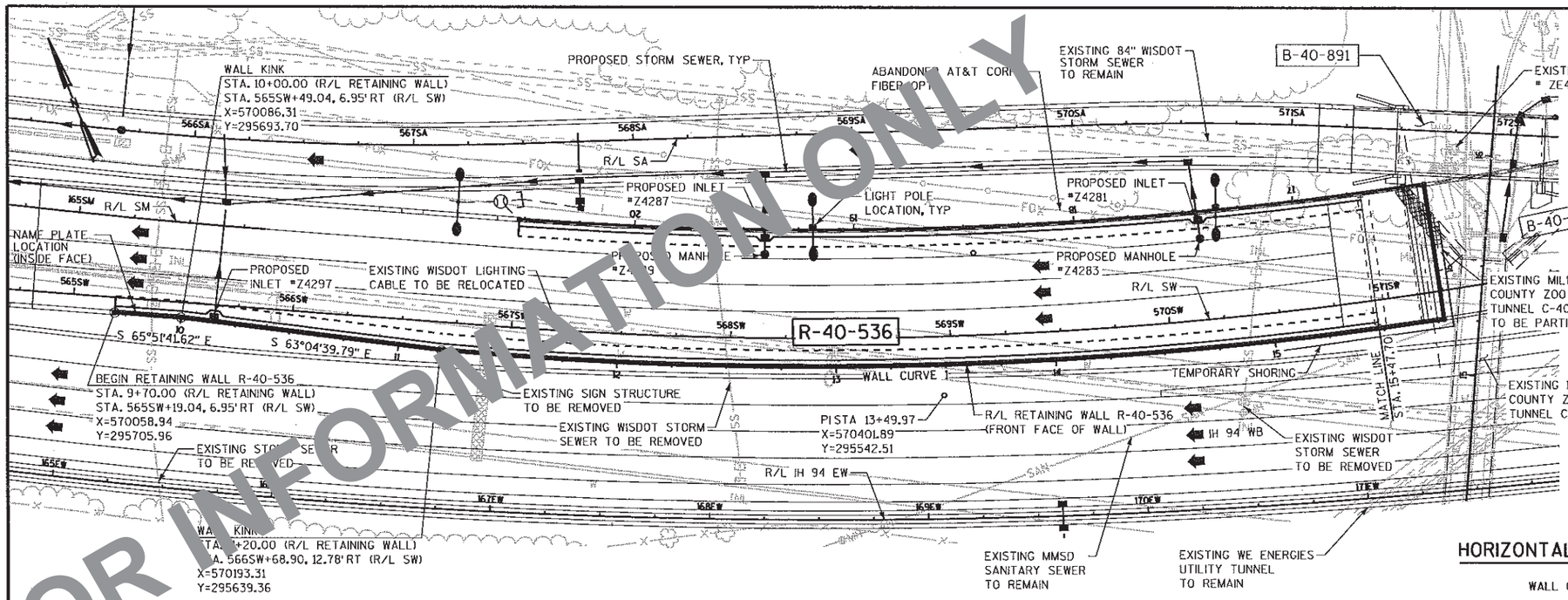
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FOR INFORMATION ONLY

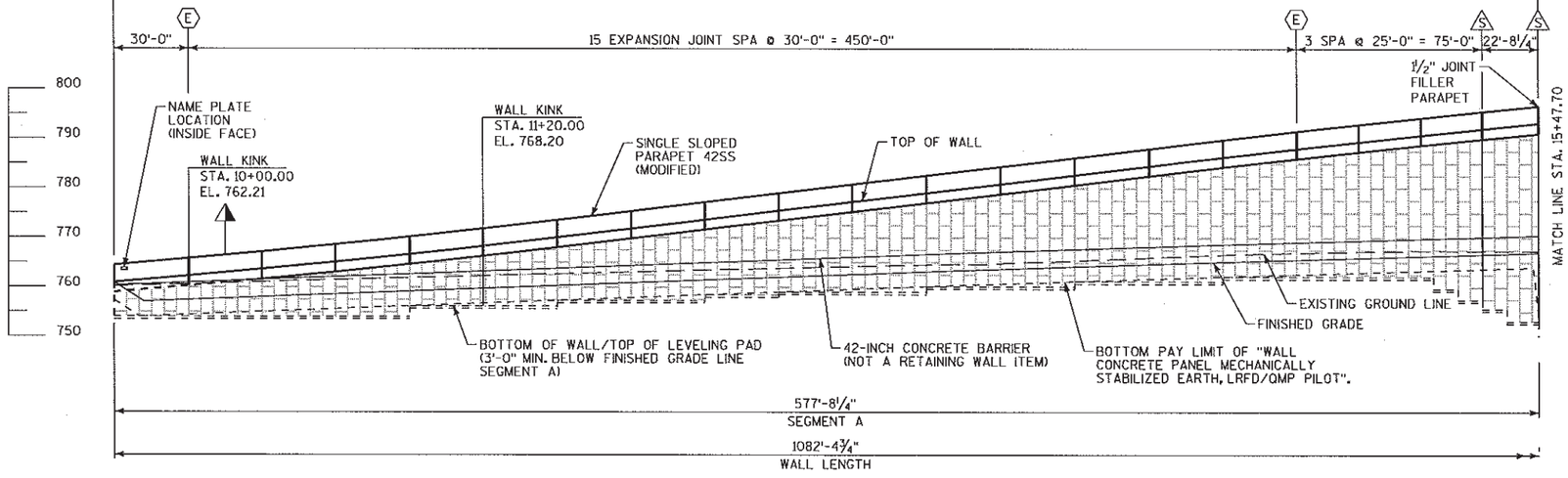
STATE PROJECT NUMBER

1060-33-80



PLAN

(MSE RETAINING WALL)



ELEVATION

(LOOKING NORTHEAST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE ABUTMENT BODY FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A VERTICAL EARTH SURCHARGE LOAD BEHIND THE ABUTMENT PLUS A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL OUTSIDE OF THE ABUTMENT LIMITS FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

SEE NOTE A05 ON SHEET 6 FOR ADDITIONAL DESIGN CRITERIA.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 2)
2. GENERAL PLAN & ELEVATION (2 OF 2)
3. QUANTITIES, NOTES & PROFILE GRADE LINE
4. TYPICAL WALL SECTIONS (1 OF 3)
5. TYPICAL WALL SECTIONS (2 OF 3)
6. TYPICAL WALL SECTIONS (3 OF 3)
7. PARAPET & ANCHOR SLAB DETAILS
8. SEGMENT A PLAN & ELEVATION
9. SEGMENT C PLAN & ELEVATION
10. SEGMENT E PLAN & ELEVATION
11. INLET DETAILS
12. ANCHOR SLAB INLET COVER SPECIAL
13. SEGMENT E CONDUIT & LIGHT SUPPORT DETAILS
14. BILL OF BARS
15. AESTHETIC WALL TREATMENT DETAILS
16. SUBSURFACE EXPLORATION (1 OF 2)
17. SUBSURFACE EXPLORATION (2 OF 2)

HORIZONTAL CURVE DATA

WALL CURVE 1

PI= STA. 13+49.97
X = 570401.89
Y = 295542.51
DELTA = 13°42'37.13" LT
D = 2°59'42.55"
R = 1912.95'
T = 229.97
L = 457.75
E = 13.77
PC = STA. 11+20.00
X = 570193.31
Y = 295639.36
PT = STA. 15+77.75
X = 570627.49
Y = 295497.86

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- (S) VERTICAL SLIP JOINT
- DRAINAGE INLET, SEE SHEET 11 FOR STATIONS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
5/1/2014

STRUCTURE R-40-536

RAMP WS RETAINING WALL, B-40-852 WEST ABUT.

COUNTY	~~TOWN/CITY/VILLAGE~~
MILWAUKEE	WEST ALLIS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MR	MHZ	MR	MHZ

GENERAL PLAN & ELEVATION (1 OF 2)

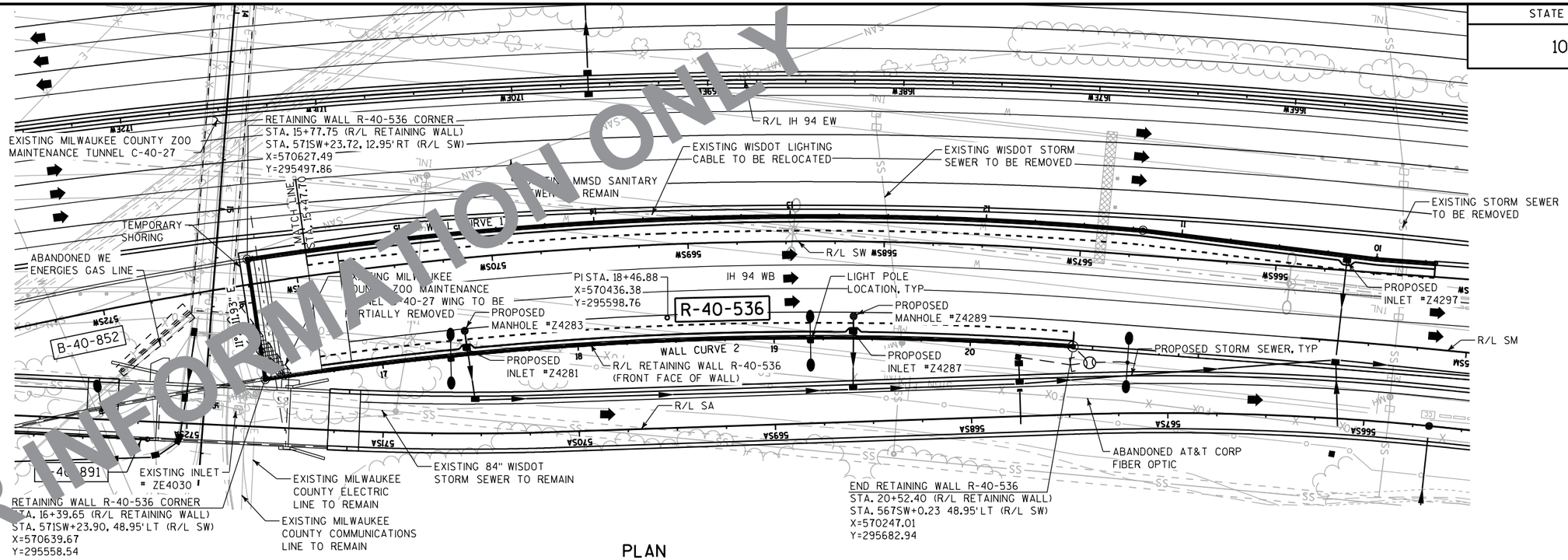
SHEET 1 OF 17

8

8

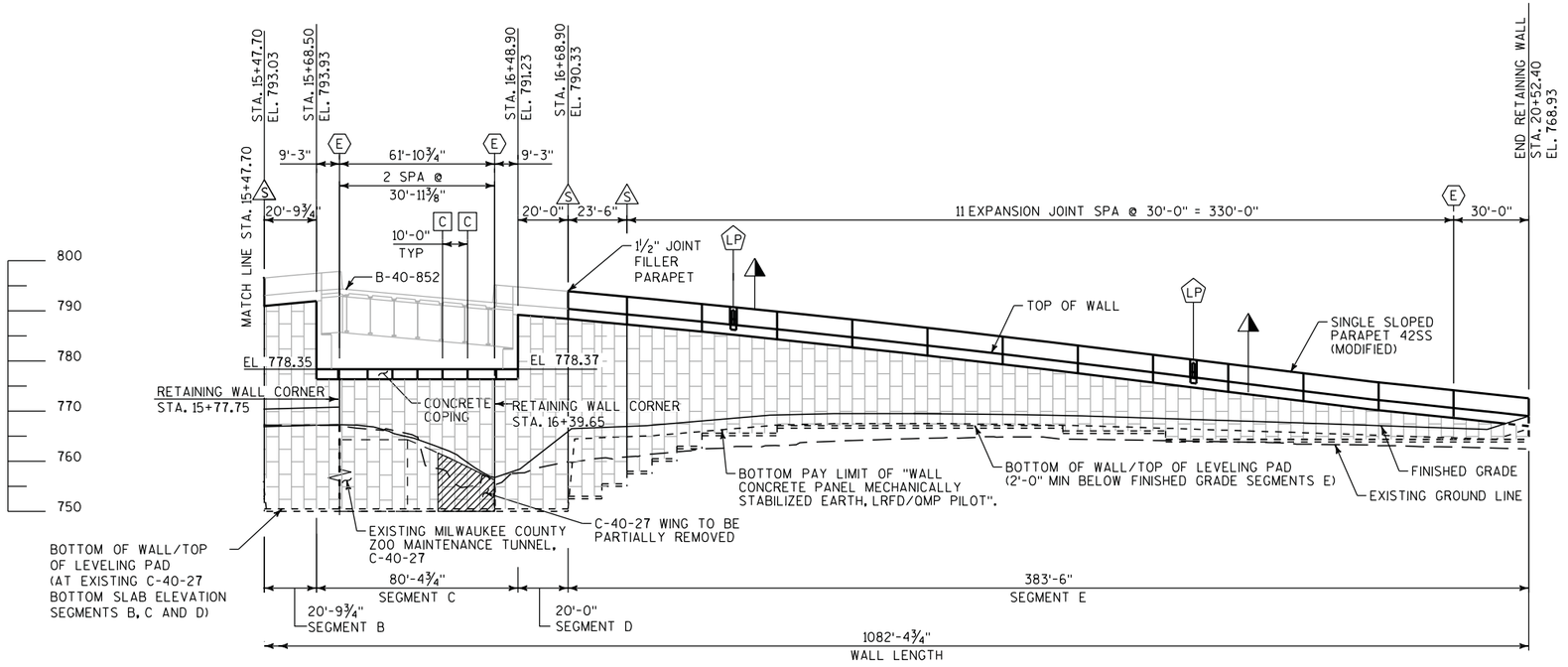
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

(MSE RETAINING WALL)



ELEVATION

(LOOKING AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

HORIZONTAL CURVE DATA

WALL CURVE 1	WALL CURVE 2
PI = STA. 13+49.97	PI = STA. 18+46.88
X = 570401.89	X = 570436.38
Y = 295542.51	Y = 295598.76
DELTA = 13°42'37.13" LT	DELTA = 12°46'33.20" RT
D = 2°59'42.55"	D = 3°05'43.11"
R = 1912.95'	R = 1851.05'
T = 229.97	T = 207.23
L = 457.75	L = 412.75
E = 13.77	E = 11.56
PC = STA. 11+20.00	PC = STA. 16+39.65
X = 570193.31	X = 570639.67
Y = 295639.36	Y = 295558.54
PT = STA. 15+77.75	PT = STA. 20+52.40
X = 570627.49	X = 570247.01
Y = 295497.86	Y = 295682.94

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- (S) VERTICAL SLIP JOINT
- (LP) LIGHT POLE BASE SEE SHEET 13 FOR STATIONS
- DRAINAGE INLET, SEE SHEET 11 FOR STATIONS
- [C] CONTRACTION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-536

DRAWN BY MR | PLANS CK'D. MHZ

GENERAL PLAN & ELEVATION (2 OF 2)

SHEET 2 OF 17

6584

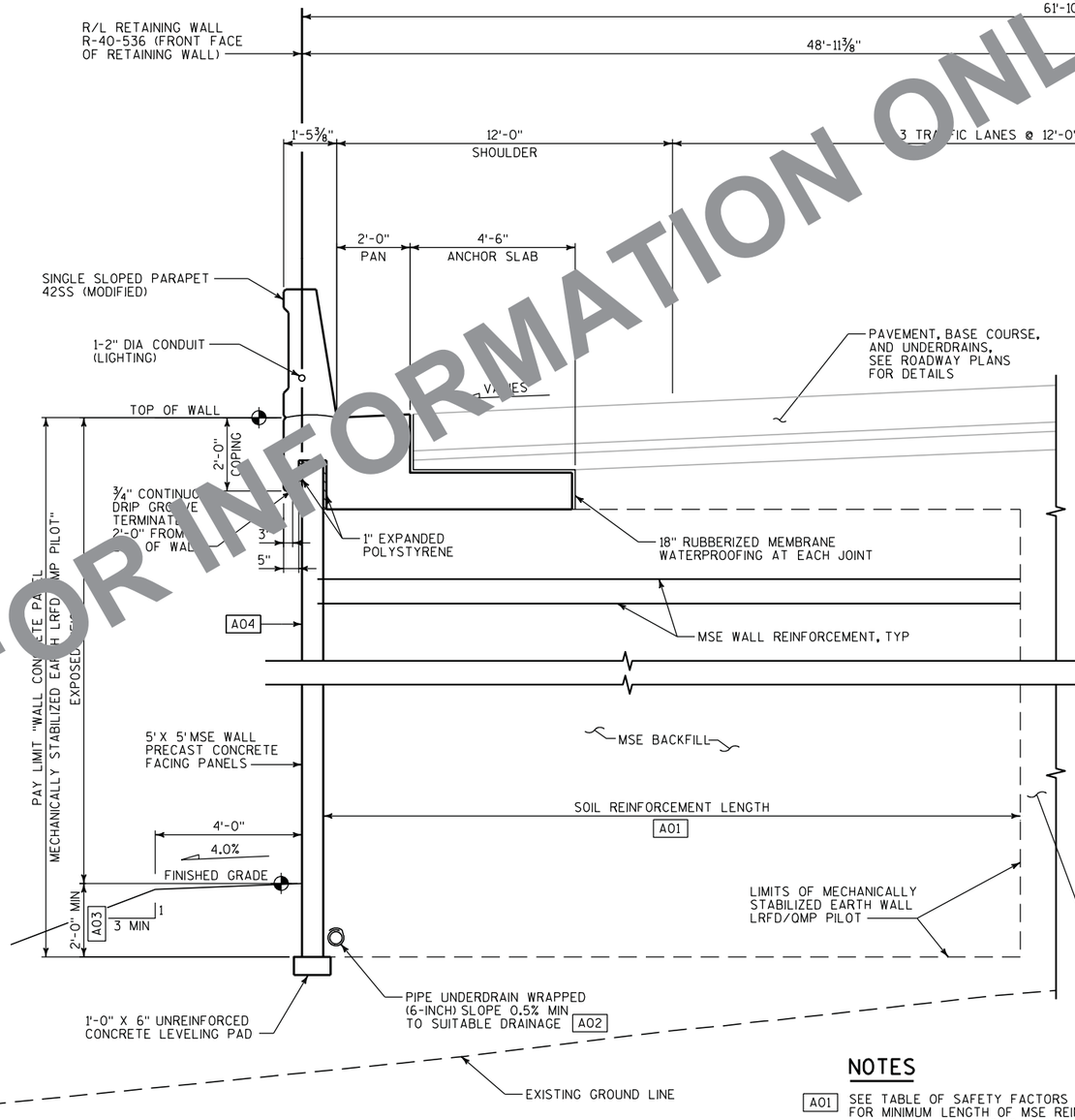
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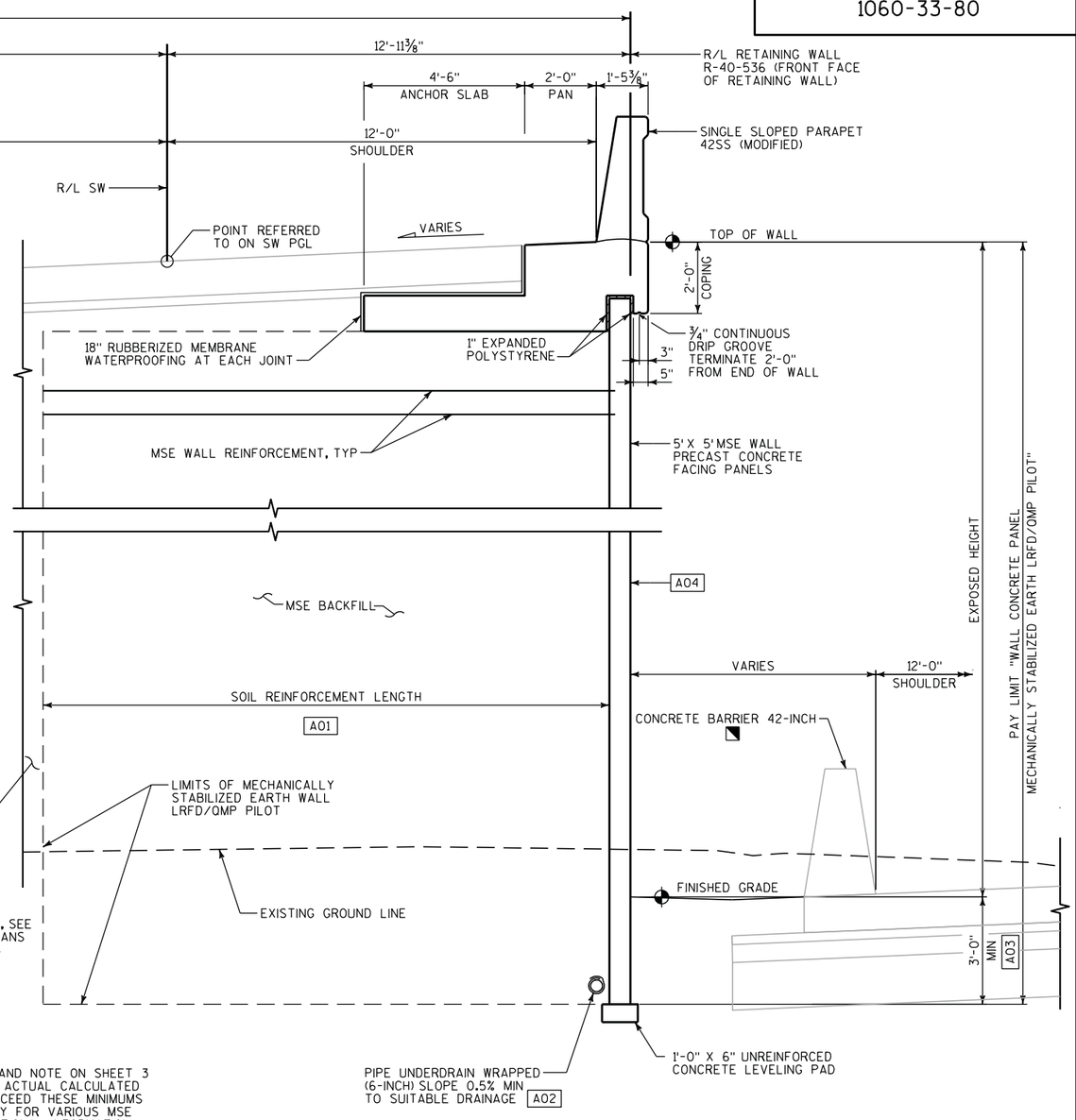
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT E - TYPICAL SECTION

(LOOKING EAST - STA 16+68.90 TO STA 20+52.40)



SEGMENT A - TYPICAL SECTION

(LOOKING EAST - STA 9+70.00 TO STA 15+47.70)

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 3 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 CONNECT PIPE UNDERDRAIN WRAPPED TO STRUCTURE "Z4289 AT STA. 12+67.12 AND STA. 19+40.40 AND TO STRUCTURE "Z4283 AT STA. 14+70.83 AND 17+43.27 USING PIPE UNDERDRAIN UNPERFORATED. SEE GENERAL PLAN AND ELEVATION. CONNECTION OF PIPE UNDERDRAIN TO INLET IS INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN UNPERFORATED 6-INCH". SLOPE PIPE UNDERDRAIN FROM BEGINNING OF WALL TO INLET "Z4297. SLOPE PIPE UNDERDRAIN FROM END OF WALL TOWARD TO INLET "Z4287.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE FOR SEGMENT A, 2'-0" BELOW EXISTING GRADE FOR SEGMENTS E AND AT EXISTING C-40-27 BOTTOM SLAB ELEVATION FOR SEGMENTS B, C, AND D.

A04 SEE SHEET 15 FOR AESTHETIC WALL TREATMENT DETAILS.

LEGEND

▪ NOT A RETAINING WALL ITEM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-536

DRAWN BY MR | PLANS CK'D. MHZ

TYPICAL WALL SECTIONS (1 OF 3)

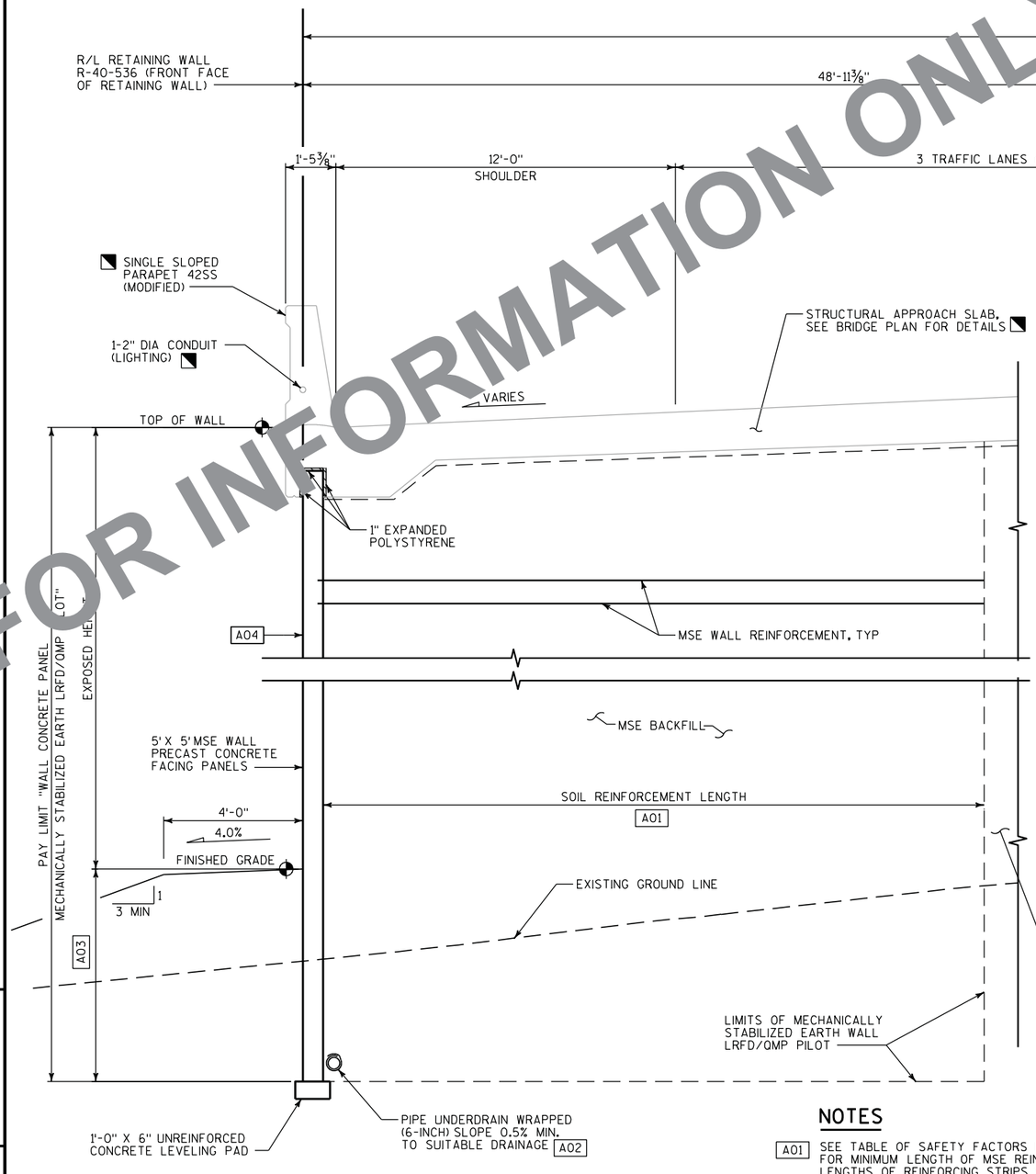
SHEET 4 OF 17

8

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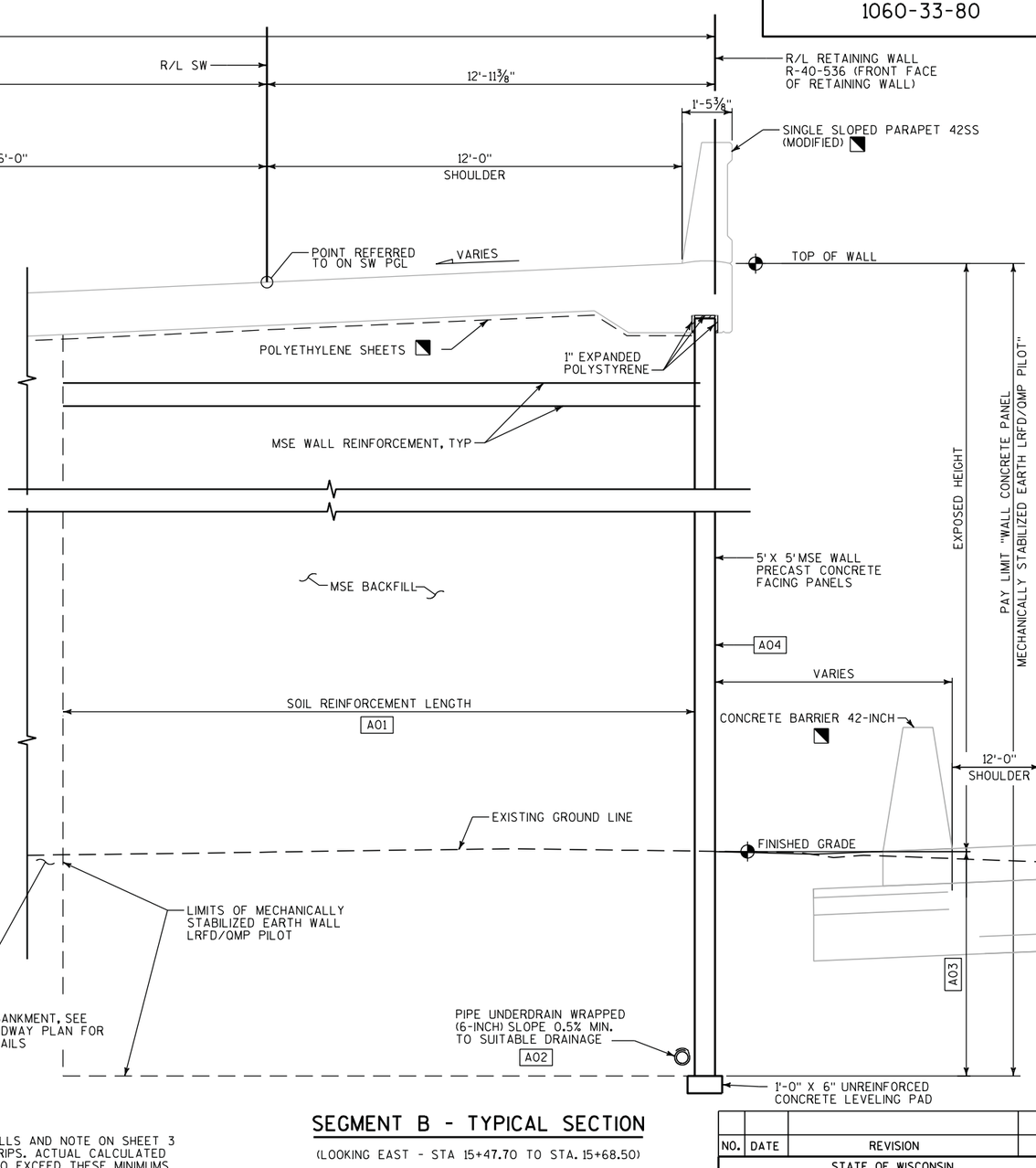
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT D - TYPICAL SECTION

(LOOKING EAST - STA 16+48.90 TO STA 16+68.90)



SEGMENT B - TYPICAL SECTION

(LOOKING EAST - STA 15+47.70 TO STA. 15+68.50)

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 3 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

A02 CONNECT PIPE UNDERDRAIN WRAPPED TO DRAINAGE PIPES OF BRIDGES B-40-852 AND B-40-891, THEN CONNECT TO INLET *ZE4030 USING PIPE UNDERDRAIN UNPERFORATED. PIPE UNDERDRAIN UNPERFORATED IS INCLUDED IN BRIDGE B-40-891 BID ITEMS.

A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE FOR SEGMENT A, 2'-0" BELOW EXISTING GRADE FOR SEGMENTS E AND AT EXISTING C-40-27 BOTTOM SLAB ELEVATION FOR SEGMENTS B, C, AND D.

A04 SEE SHEET 15 FOR AESTHETIC WALL TREATMENT DETAILS.

LEGEND

NOT A RETAINING WALL ITEM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-536

DRAWN BY MR | PLANS CK'D. MHZ

TYPICAL WALL SECTIONS (2 OF 3)

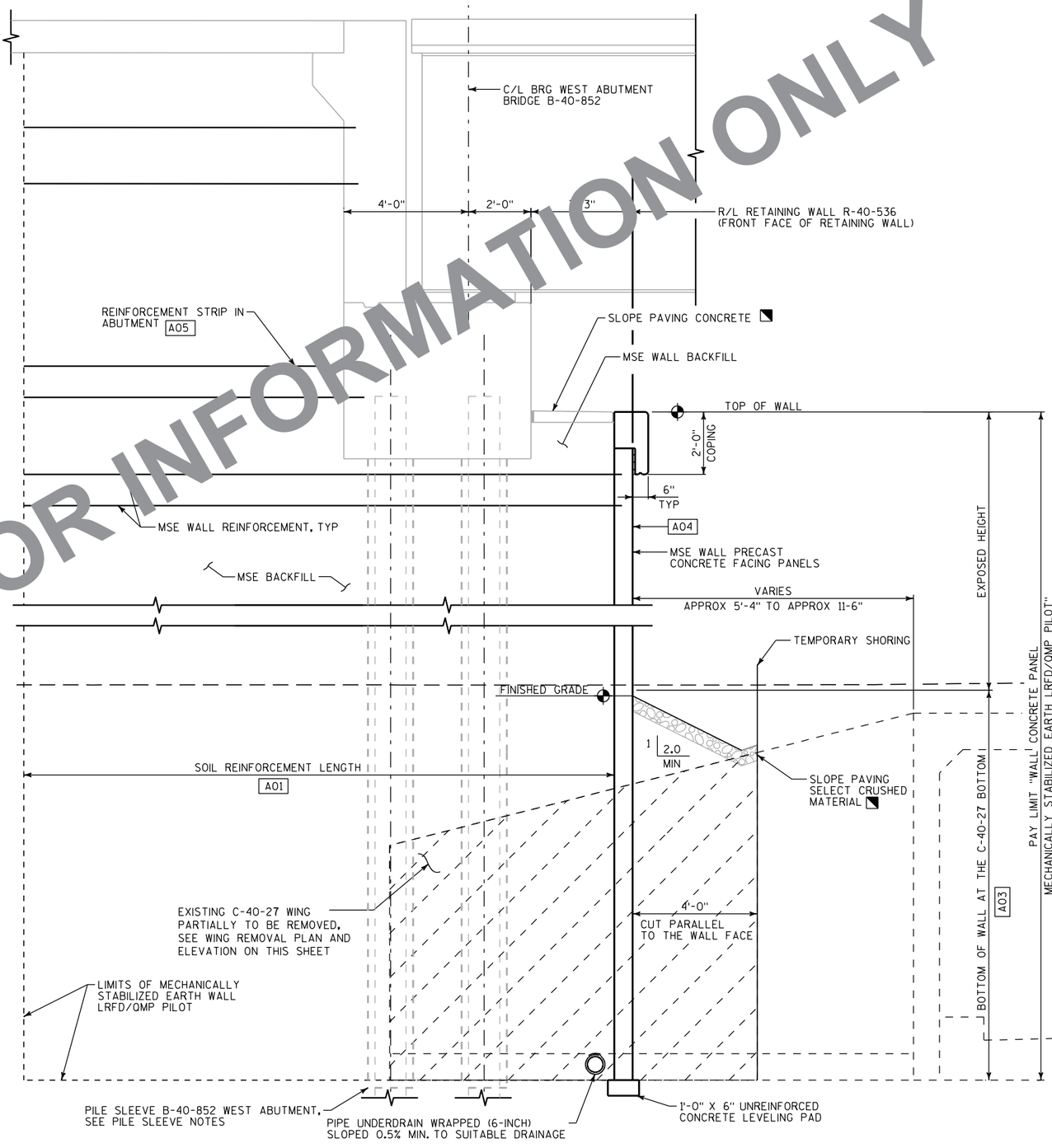
SHEET 5 OF 17

8

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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION AT B-40-852 WEST ABUTMENT

(LOOKING NORTH - SEGMENT C STA. 15+68.50 TO STA. 16+48.90)

NOTES

A01 SEE TABLE OF SAFETY FACTORS FOR MSE WALLS AND NOTE ON SHEET 3 FOR MINIMUM LENGTH OF MSE REINFORCING STRIPS. ACTUAL CALCULATED LENGTHS OF REINFORCING STRIPS WILL NEED TO EXCEED THESE MINIMUMS IN ORDER TO SATISFY MINIMUM FACTORS OF SAFETY FOR VARIOUS MSE PARAMETERS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

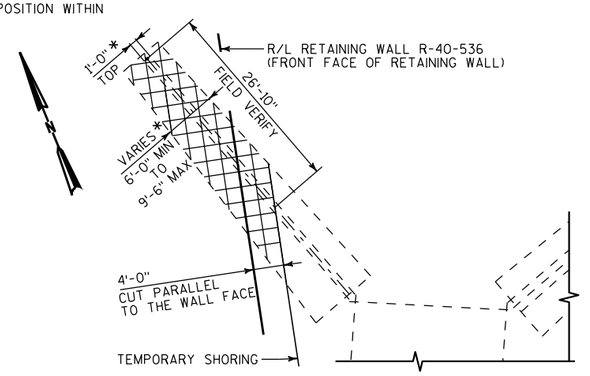
A03 TOP OF LEVELING PAD TO BE A MINIMUM OF 3'-0" BELOW FINISHED GRADE FOR SEGMENT A, 2'-0" BELOW EXISTING GRADE FOR SEGMENTS E AND AT EXISTING C-40-27 BOTTOM SLAB ELEVATION FOR SEGMENTS B, C, AND D. PAY LIMIT FOR "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/OMP PILOT" AT THE TOP OF LEVELING PAD ELEVATION.

A04 SEE SHEET 15 FOR AESTHETIC WALL TREATMENT DETAILS.

A05 NON-FACTORED SUPERSTRUCTURE LATERAL LOAD TRANSFERRED TO ABUTMENT TO BE TAKEN AS 3.0 KLF OF ABUTMENT. THIS FORCE MUST BE ADDED TO EARTH PRESSURE LOADS FOR THE DESIGN OF THE REINFORCING STRIPS ATTACHED TO THE ABUTMENT. COORDINATE INSTALLATION WITH BRIDGE CONTRACTOR.

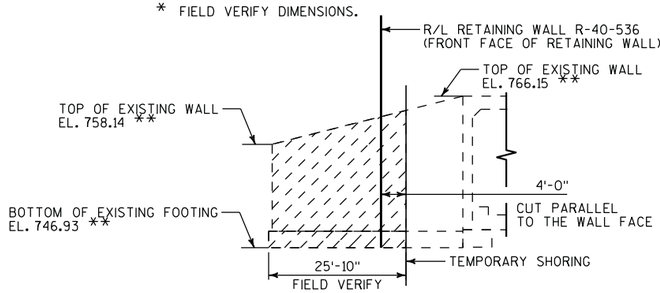
PILE SLEEVE NOTES

1. COORDINATE SLEEVE LOCATIONS WITH BRIDGE B-40-852 PLANS.
2. SLEEVES SHALL BE PLACED FROM LOWER LIMITS OF EXCAVATION FOR MSE REINFORCED ZONE TO BOTTOM OF ABUTMENT.
3. SLEEVES SHALL BE PLACED BEFORE BACKFILL IS STARTED AND SHALL BE ADEQUATELY BRACED TO MAINTAIN POSITION WITHIN ± 2" AS BACKFILL PROCEEDS.



WING WALL REMOVAL PLAN

* FIELD VERIFY DIMENSIONS.



WING WALL REMOVAL ELEVATION

** FIELD VERIFY EXISTING ELEVATIONS.

LEGEND

NOT A RETAINING WALL ITEM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-536

DRAWN BY MR | PLANS CK'D. MHZ

TYPICAL WALL SECTIONS (3 OF 3)

SHEET 6 OF 17

6587

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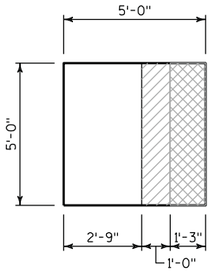
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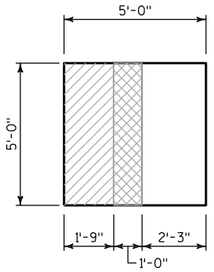
FOR INFORMATION ONLY

STATE PROJECT NUMBER

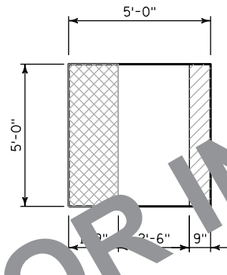
1060-33-80



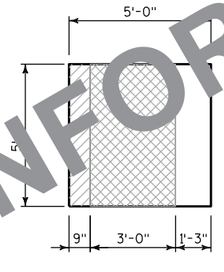
WALL PANEL "A"



WALL PANEL "B"

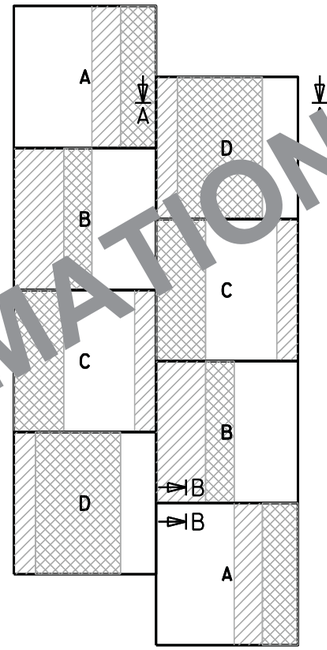


WALL PANEL "C"

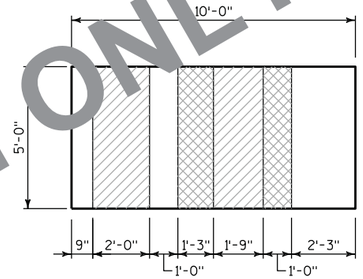


WALL PANEL "D"

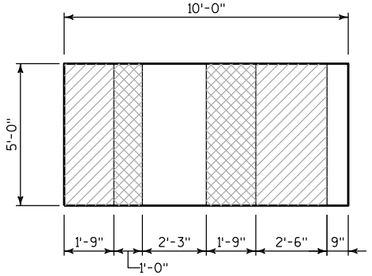
5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



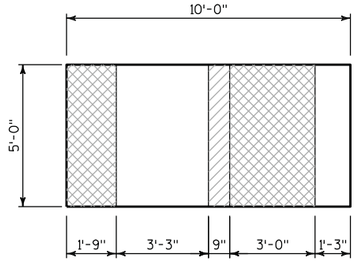
TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



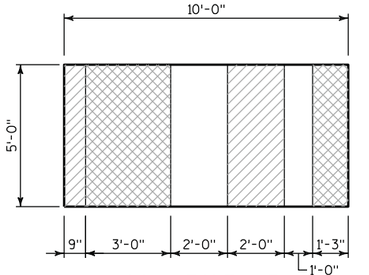
WALL PANEL "A"



WALL PANEL "B"

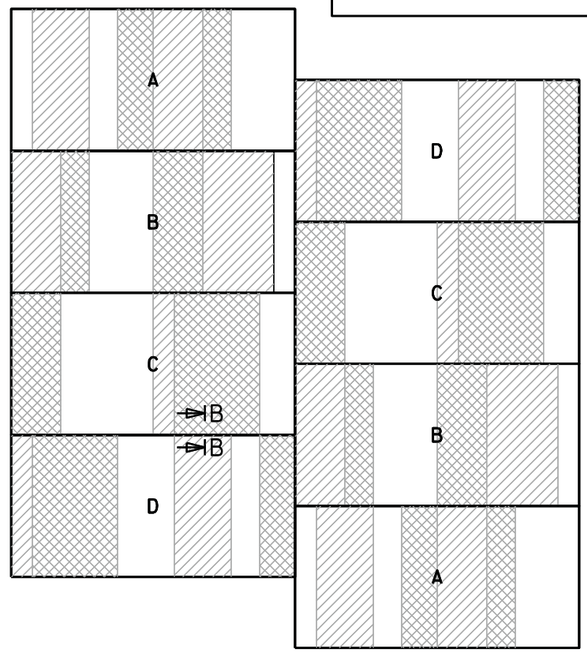


WALL PANEL "C"



WALL PANEL "D"

5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

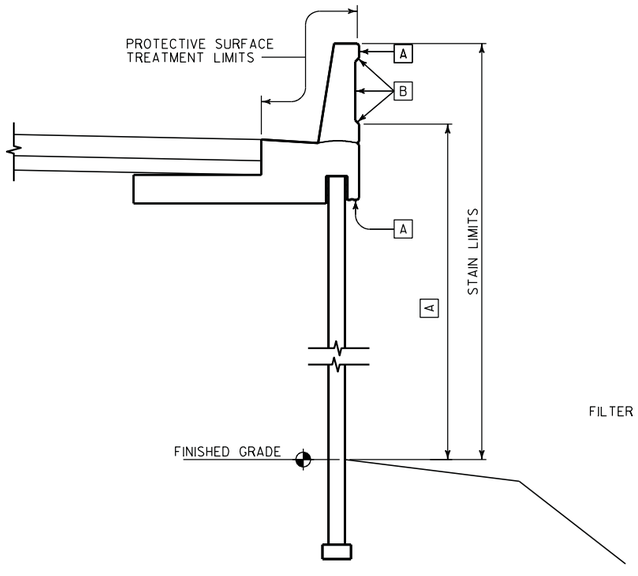
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO 1'-0" BELOW FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS

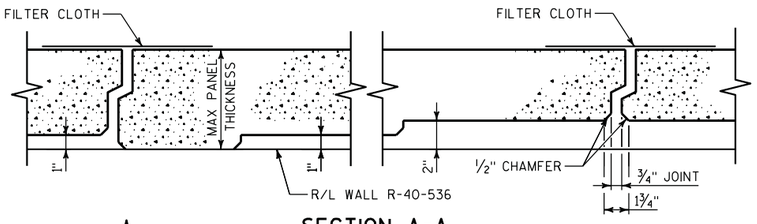
STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.

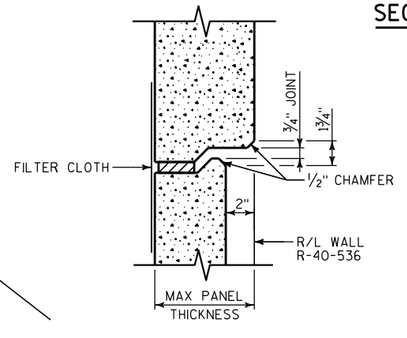
BASE COLOR - 33564
ACCENT COLOR #1 - 33448



MSE WALL STAINING DIAGRAM



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-536

DRAWN BY MR | PLANS CK'D. MHZ

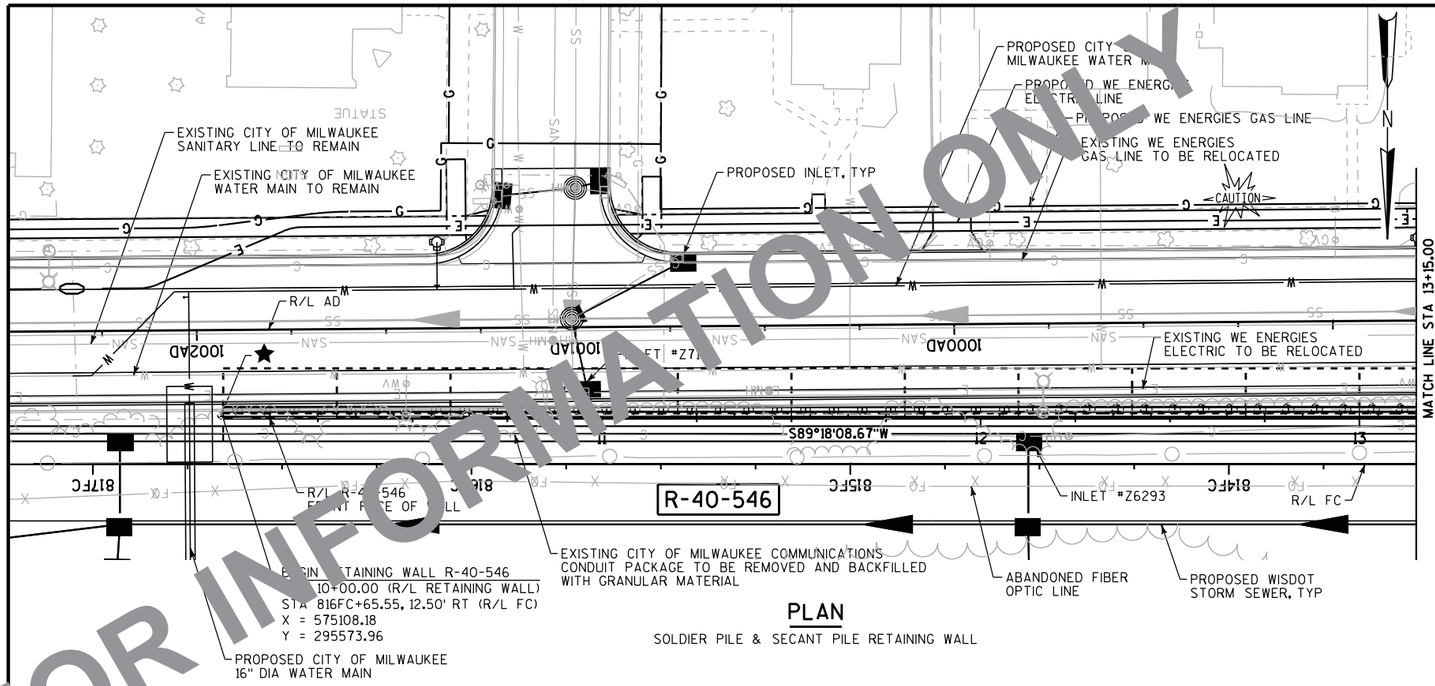
AESTHETIC WALL TREATMENT DETAILS

SHEET 15 OF 17

6588

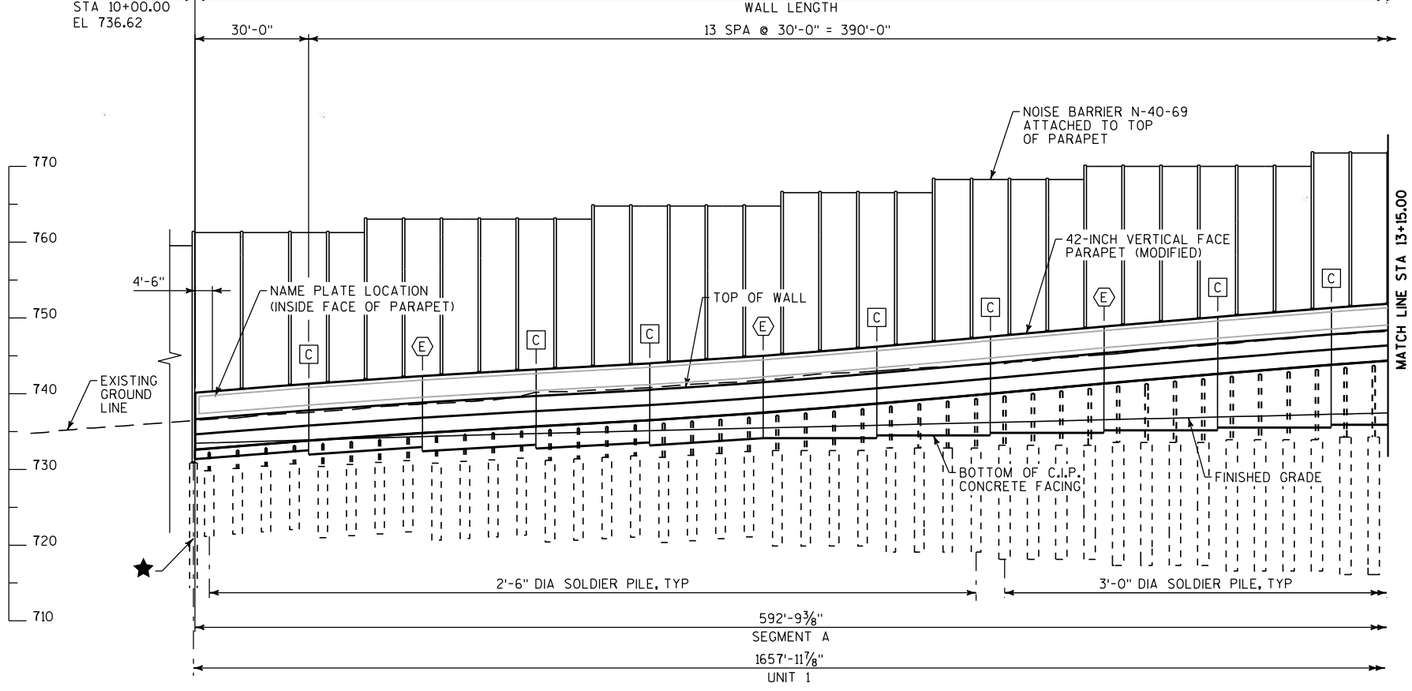
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8



PLAN

SOLDIER PILE & SECANT PILE RETAINING WALL



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 5)
2. GENERAL PLAN & ELEVATION (2 OF 5)
3. GENERAL PLAN & ELEVATION (3 OF 5)
4. GENERAL PLAN & ELEVATION (4 OF 5)
5. GENERAL PLAN & ELEVATION (5 OF 5)
6. GENERAL NOTES & QUANTITIES
7. ROADWAY PROFILE GRADE LINES
8. TOP OF WALL & INTERIM PROFILE GRADE LINES
9. TYPICAL WALL SECTIONS (1 OF 4)
10. TYPICAL WALL SECTIONS (2 OF 4)
11. TYPICAL WALL SECTIONS (3 OF 4)
12. TYPICAL WALL SECTIONS (4 OF 4)
13. CONSTRUCTION SEQUENCE
14. SOLDIER PILE DATA TABLES (1 OF 4)
15. SOLDIER PILE DATA TABLES (2 OF 2)
16. SOLDIER PILE DATA TABLES (3 OF 4)
17. SOLDIER PILE DATA TABLES (4 OF 4)
18. SOLDIER PILE TIEBACK ANCHOR DETAILS
19. TIEBACK ANCHOR DATA TABLES (1 OF 4)
20. TIEBACK ANCHOR DATA TABLES (2 OF 4)
21. TIEBACK ANCHOR DATA TABLES (3 OF 4)
22. TIEBACK ANCHOR DATA TABLES (4 OF 4)
23. WALL SECANT PILE DATA TABLE & DETAILS
24. WALL SECANT PILE CAP & COPING DETAILS
25. WALL COPING & FACING DETAILS (1 OF 2)
26. WALL COPING & FACING DETAILS (2 OF 2)
27. WALL FACING ELEVATION (1 OF 5)
28. WALL FACING ELEVATION (2 OF 5)
29. WALL FACING ELEVATION (3 OF 5)
30. WALL FACING ELEVATION (4 OF 5)
31. WALL FACING ELEVATION (5 OF 5)
32. WALL COPING & FACING REINFORCING SCHEDULE
33. WALL ANCHOR SLAB DETAILS (1 OF 2)
34. WALL ANCHOR SLAB DETAILS (2 OF 2)
35. WALL ANCHOR SLAB PLAN (1 OF 4)
36. WALL ANCHOR SLAB PLAN (2 OF 4)
37. WALL ANCHOR SLAB PLAN (3 OF 4)
38. WALL ANCHOR SLAB PLAN (4 OF 4)
39. WALL ANCHOR SLAB REINFORCING SCHEDULE
40. INLET DETAILS
41. ANCHOR SLAB INLET COVER SPECIAL
42. AESTHETIC WALL TREATMENT ELEVATION (1 OF 2)
43. AESTHETIC WALL TREATMENT ELEVATION (2 OF 2)
44. AESTHETIC WALL TREATMENT DETAILS
45. FENCE DECORATIVE WING (1 OF 3)
46. FENCE DECORATIVE WING (2 OF 3)
47. FENCE DECORATIVE WING (3 OF 3)
48. RAILING PIPE DETAILS
49. SUBSURFACE EXPLORATION (1 OF 5)
50. SUBSURFACE EXPLORATION (2 OF 5)
51. SUBSURFACE EXPLORATION (3 OF 5)
52. SUBSURFACE EXPLORATION (4 OF 5)
53. SUBSURFACE EXPLORATION (5 OF 5)

DESIGN DATA

DESIGN SPECIFICATION:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF
LIVE LOAD SURCHARGE (NON-ROADWAY): 100 PSF
LIVE LOAD SURCHARGE (CONSTRUCTION): 100 PSF

NOISE BARRIER:
CASE 1 - MAX. HEIGHT ABOVE ROADWAY BARRIER - 17.75 FEET
MAX. POST SPACING - 10 FEET
CASE 2 - MAX. HEIGHT ABOVE ROADWAY BARRIER - 18.50 FEET
MAX. POST SPACING - 10 FEET
CASE 3 - MAX. HEIGHT ABOVE ROADWAY BARRIER - 20.75 FEET
MAX. POST SPACING - 10 FEET
CASE 4 - MAX. HEIGHT ABOVE ROADWAY BARRIER - 21.50 FEET
MAX. POST SPACING - 10 FEET
CASE 5 - MAX. HEIGHT ABOVE ROADWAY BARRIER - 23.00 FEET
MAX. POST SPACING - 10 FEET
NOISE BARRIER DEAD LOAD — 40 PSF
WIND PRESSURE ON NOISE BARRIER — 37.5 PSF
(NORMAL TO BARRIER, EITHER DIRECTION)

MATERIAL PROPERTIES:

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
WALL SECANT PILE	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	Fy = 60,000 PSI
STRUCTURAL STEEL HS	Fy = 50,000 PSI
CONCRETE MASONRY SOLDIER PILE FOOTINGS	f'c = 3,500 PSI
*TIMBER LAGGING	fbo = 1,000 PSI
	E = 1,700,000 PSI

*MATERIAL VALUES BASED ON DOUGLAS FIR-LARCH NO. 1, ≥2" WIDE, REFERENCE AASHTO LRFD SPECIFICATION TABLE 8.4.1.1.4-1

LEGEND

- (E) WALL FACING EXPANSION JOINT
- [C] WALL FACING CONTRACTION JOINT
- ➡ TRAFFIC DIRECTION
- ★ C/L NOISE BARRIER GROUND MOUNTED POST 6" FROM BEGINNING OF WALL. NOISE BARRIER FOOTING TO BE INSTALLED SO THAT TOP OF FOOTING ELEVATION IS BELOW BOTTOM OF WALL FACING.

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher DVB 6/12/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN EDWARD K. McCRIGHT E-37422 MILWAUKEE WI 6/12/14 PROFESSIONAL ENGINEER

STATE PROJECT NUMBER
1060-33-80

STRUCTURE R-40-546

WALL ALONG I-94 EB EXIT RAMP TO 84TH ST.

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D.
CJW/EKM	XRB/AAG	TEK	EKM

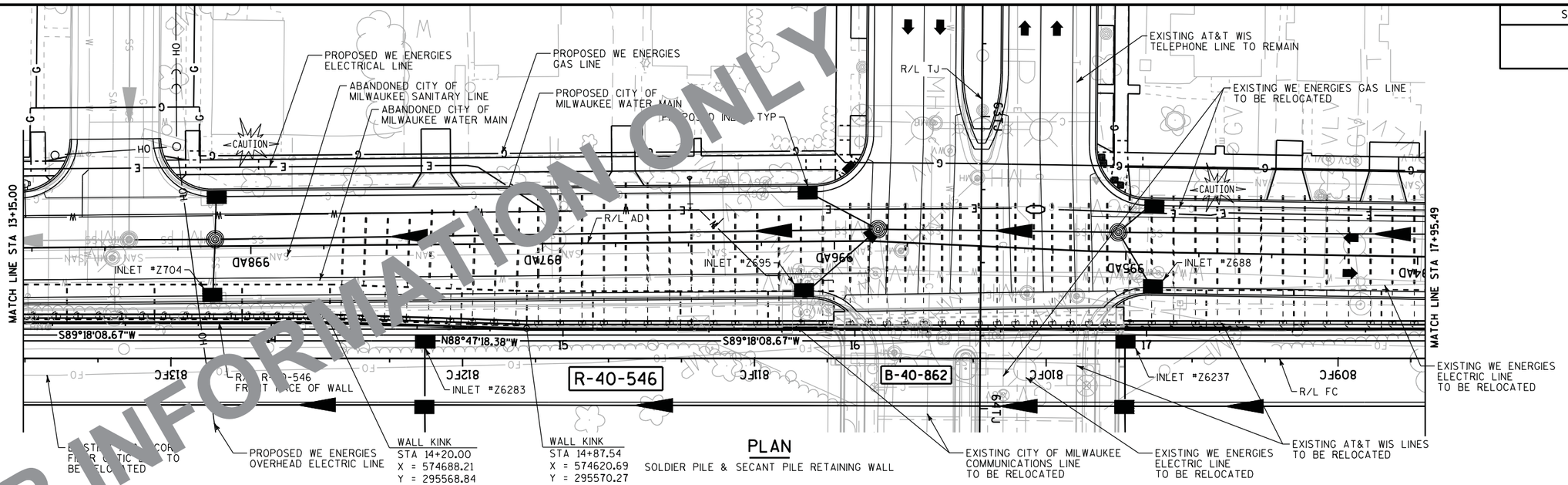
GENERAL PLAN & ELEVATION (1 OF 5)

SHEET 1 OF 53

FOR INFORMATION ONLY

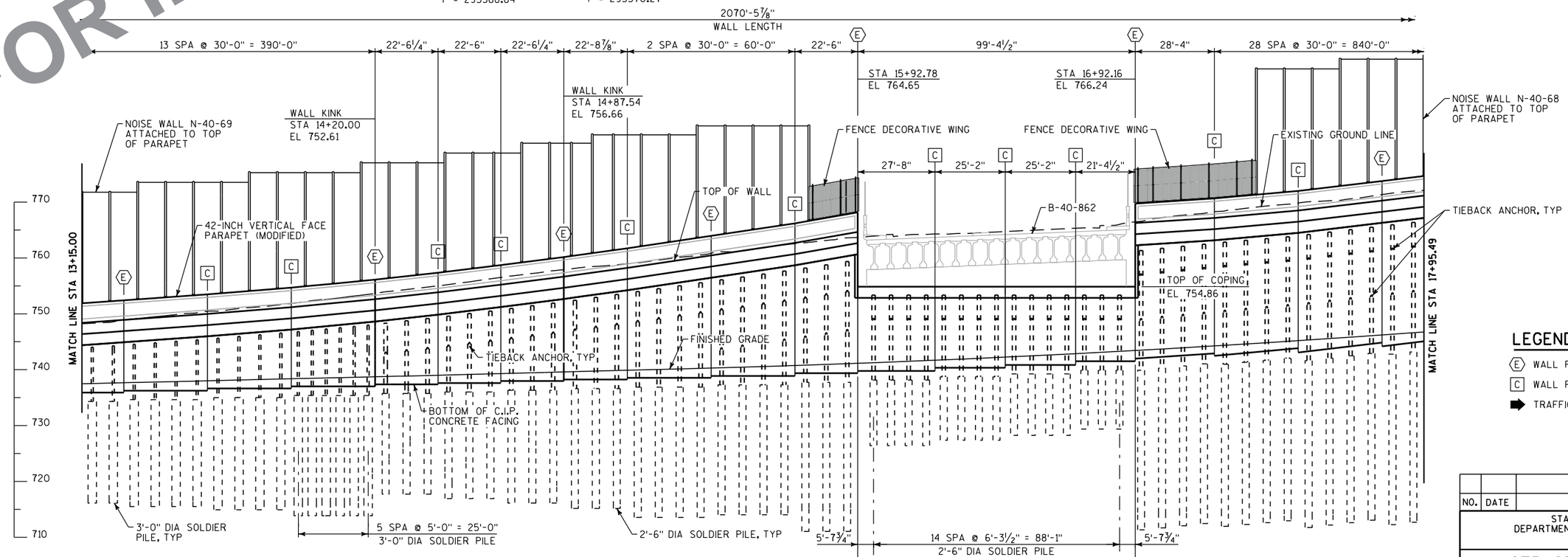
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE & SECANT PILE RETAINING WALL



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- (E) WALL FACING EXPANSION JOINT
- [C] WALL FACING CONTRACTION JOINT
- TRAFFIC DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (2 OF 5)

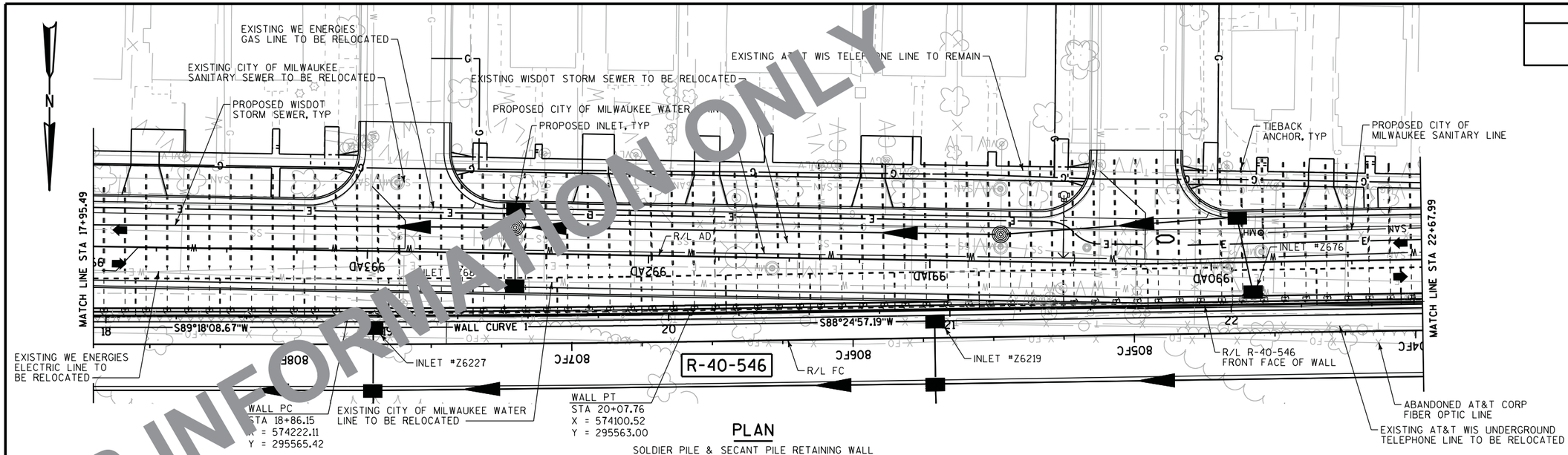
SHEET 2 OF 53

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PLOT BY : MSCEKM
PLOT NAME : R546_080102_gp
PLOT SCALE : 40:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

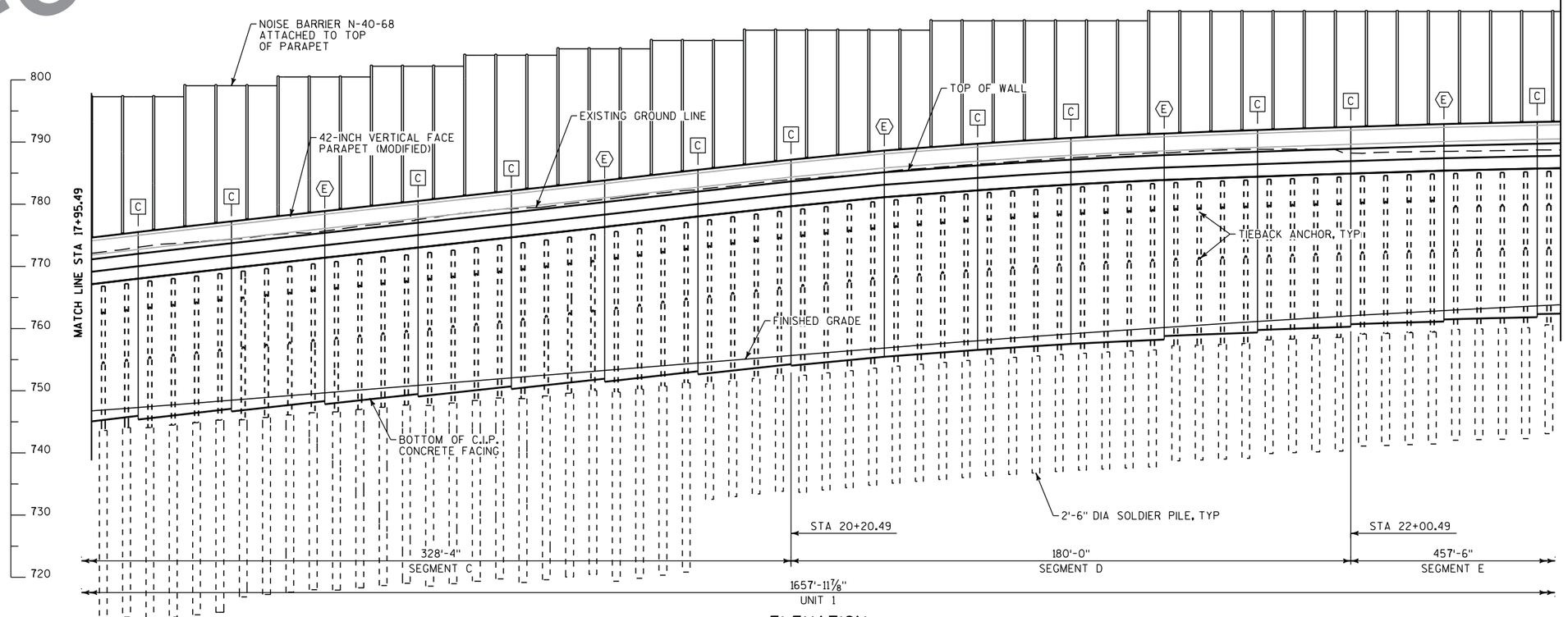


PLAN

SOLDIER PILE & SECANT PILE RETAINING WALL

2070'-5⅞"
WALL LENGTH

28 SPA @ 30'-0" = 840'-0"



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- (E) WALL FACING EXPANSION JOINT
- [C] WALL FACING CONTRACTION JOINT
- TRAFFIC DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (3 OF 5)

SHEET 3 OF 53

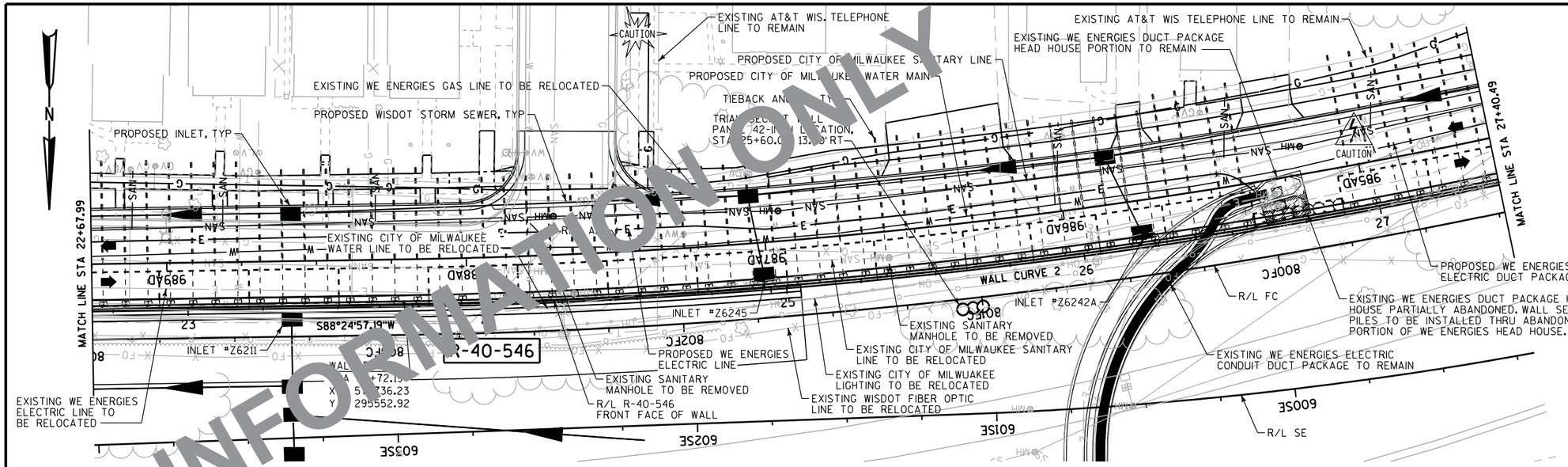
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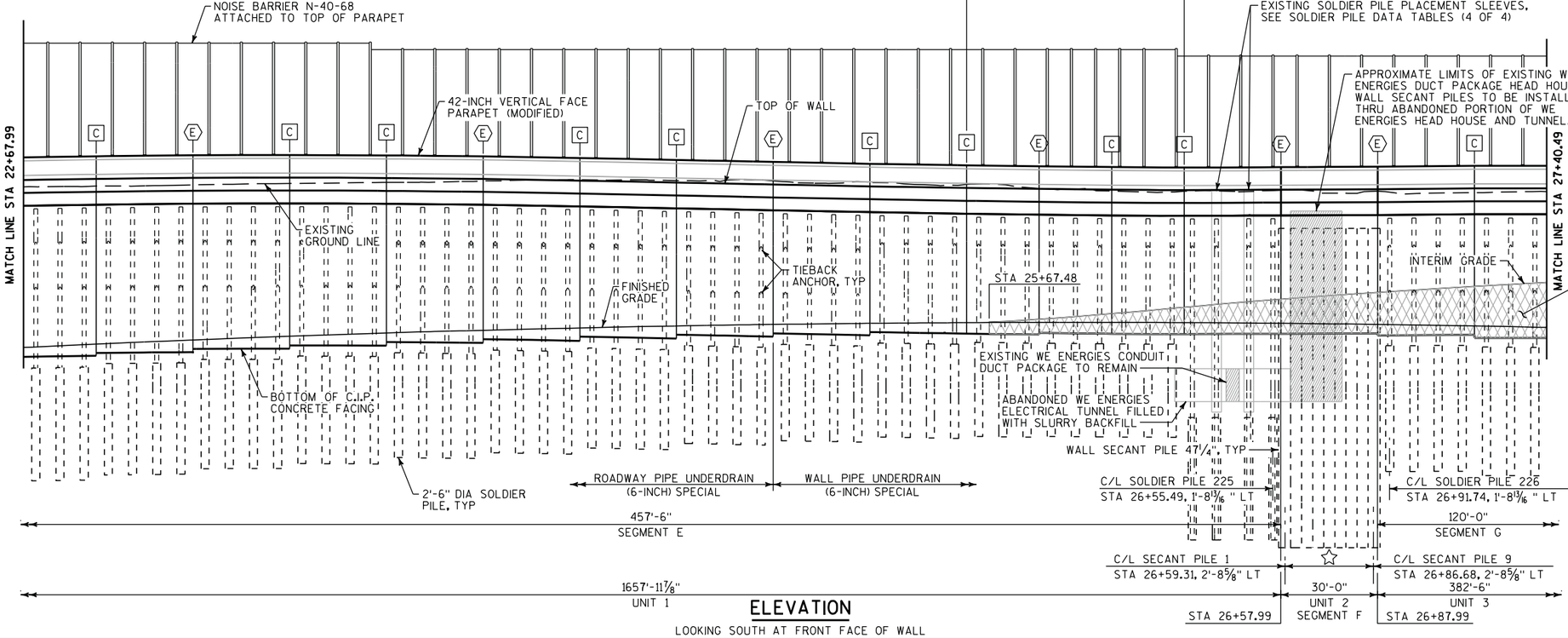
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE & SECANT PILE RETAINING WALL



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- (E) WALL FACING EXPANSION JOINT
- [C] WALL FACING CONTRACTION JOINT
- ➡ TRAFFIC DIRECTION
- ☆ 47¼" DIA WALL SECANT PILES AT 3'-5" SPA ALONG SECANT C/L

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (4 OF 5)

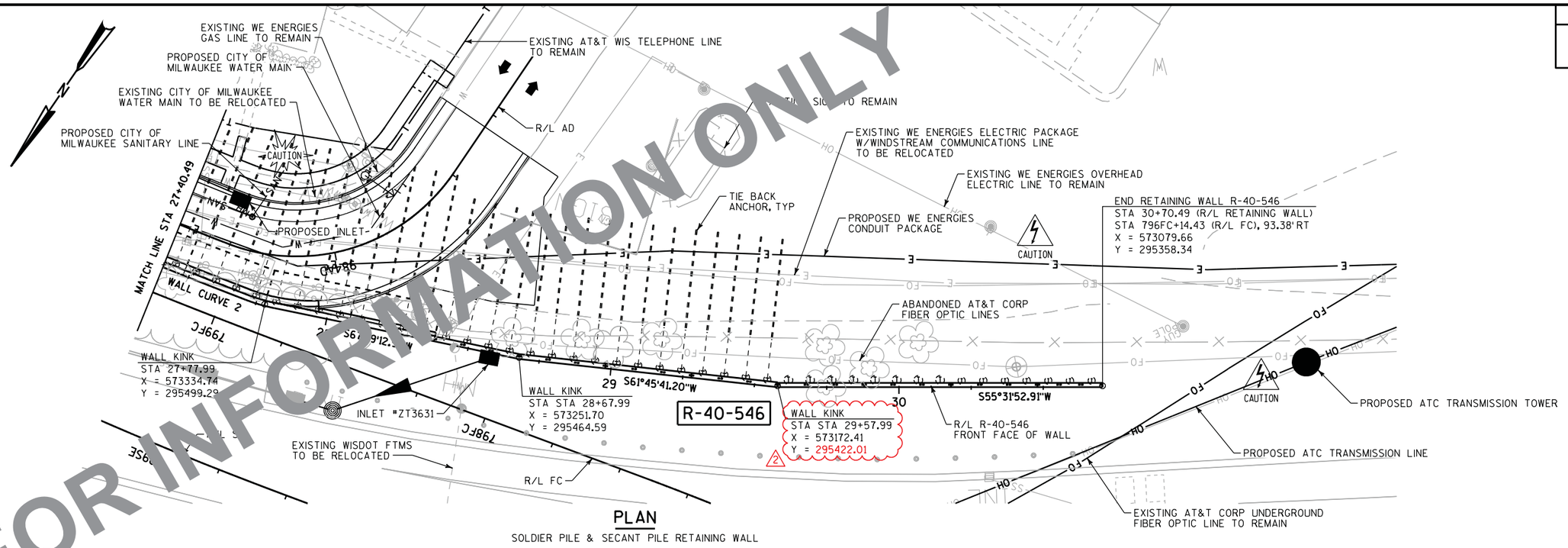
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PLOT SCALE : 40:1

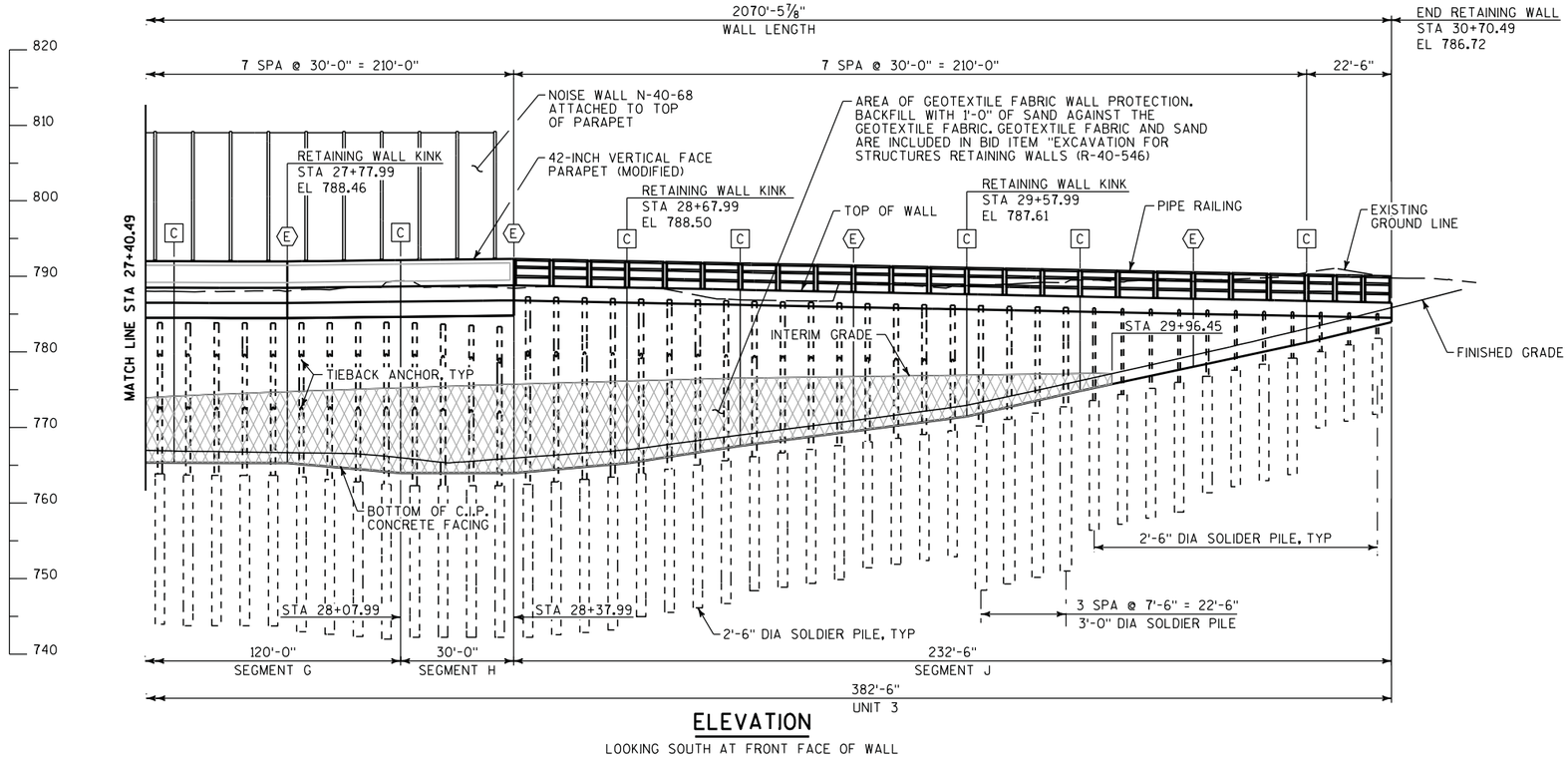
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



PLAN

SOLDIER PILE & SECANT PILE RETAINING WALL



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- (E) WALL FACING EXPANSION JOINT
- [C] WALL FACING CONTRACTION JOINT
- TRAFFIC DIRECTION

NO.	DATE	REVISION	BY
2	10/3/14	REVISED 'Y' COORDINATE	EKM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY: TEK | PLANS CK'D.: EKM

GENERAL PLAN & ELEVATION (5 OF 5)

SHEET 5 OF 53

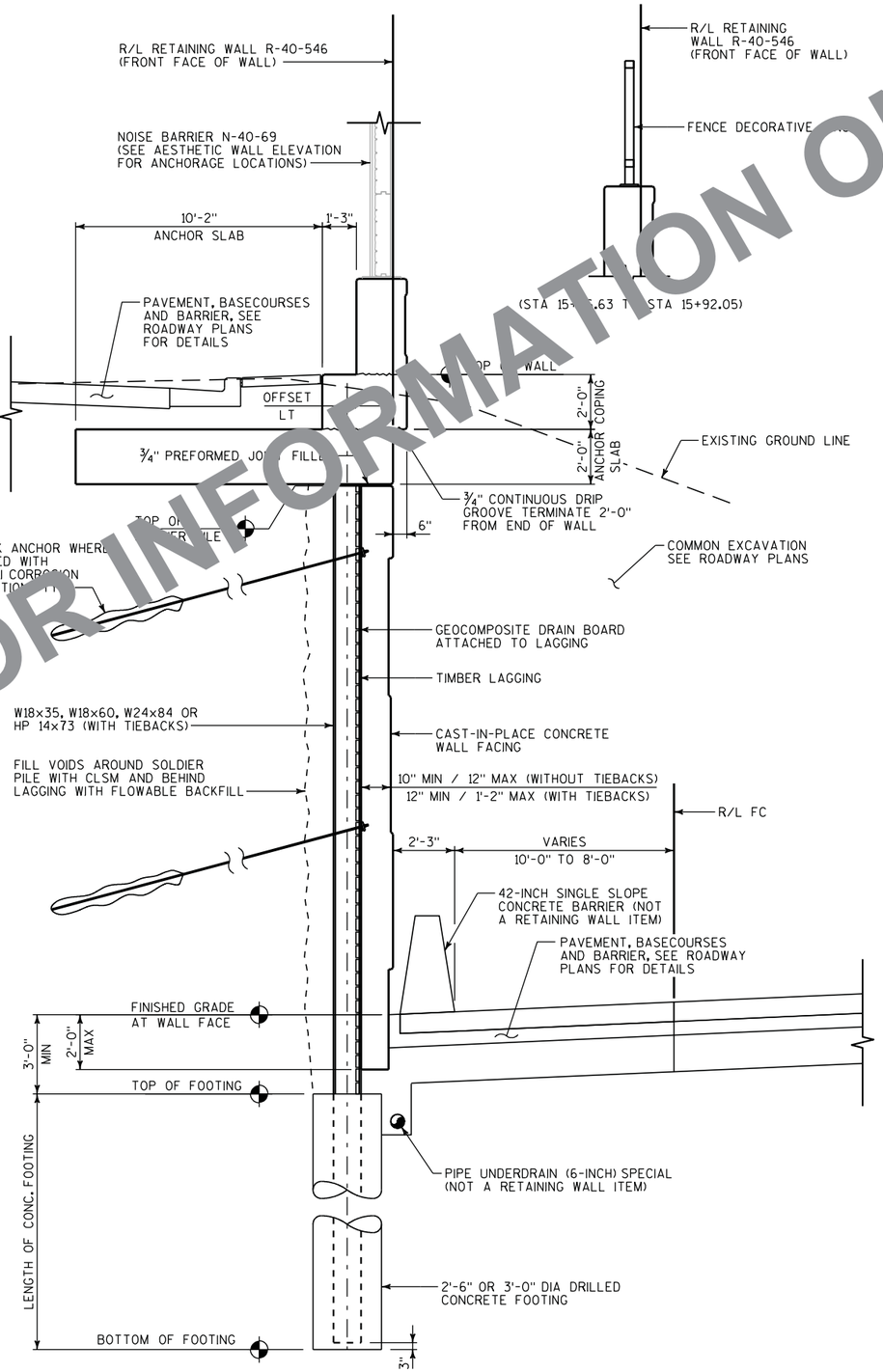
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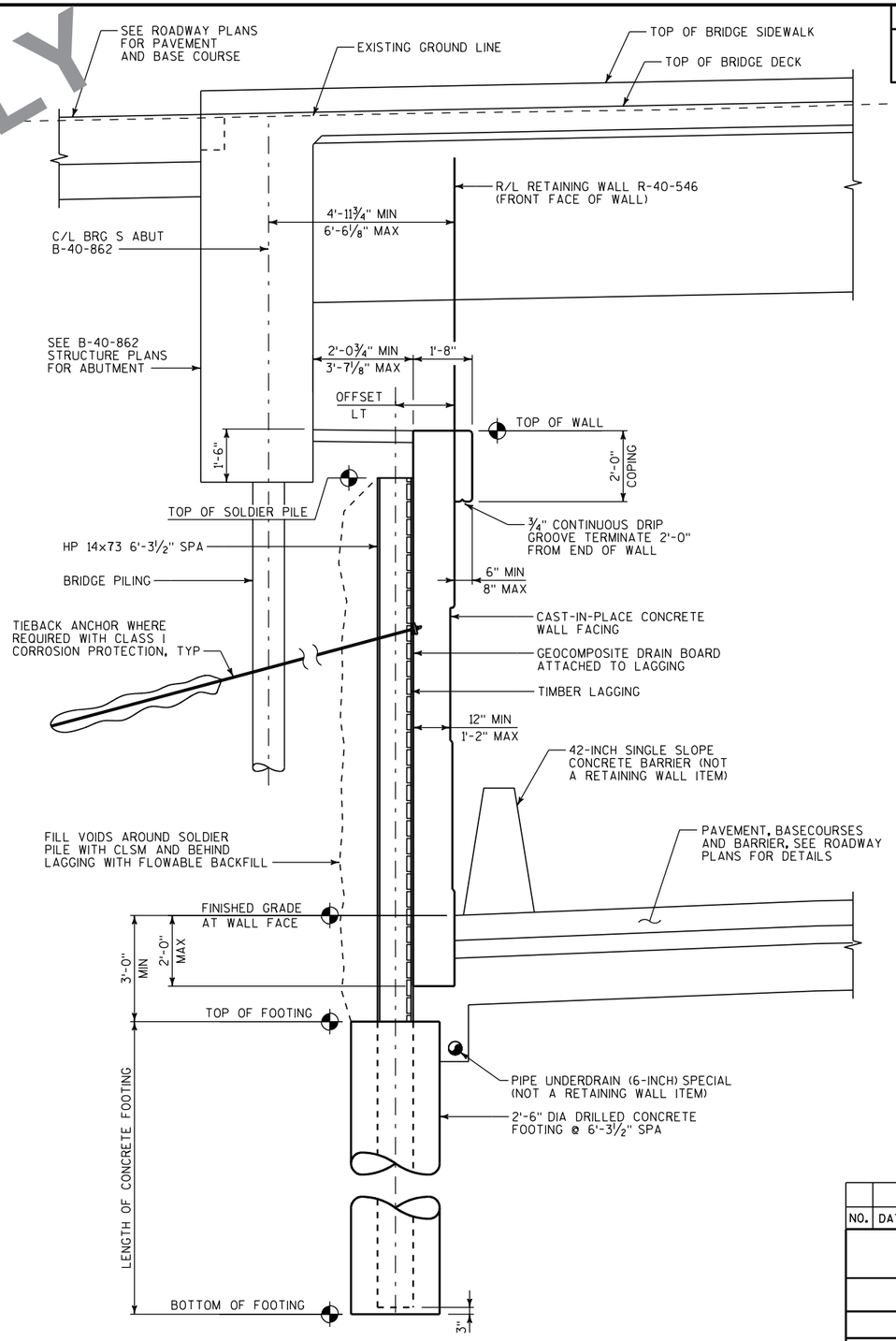
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION - UNIT 1 - SEGMENT A

LOOKING WEST
(STA 10+00.00 TO STA 15+92.78)



TYPICAL SECTION - UNIT 1 - SEGMENT B

LOOKING WEST
STA 15+92.78 TO STA 16+92.16

LEGEND

- 2'-0" SEGMENT A
  2'-7" SEGMENT C
- 2'-0" SEGMENT A
  1'-9" SEGMENT C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY	TEK	PLANS CK'D.	EKM

TYPICAL SECTIONS
(1 OF 4)

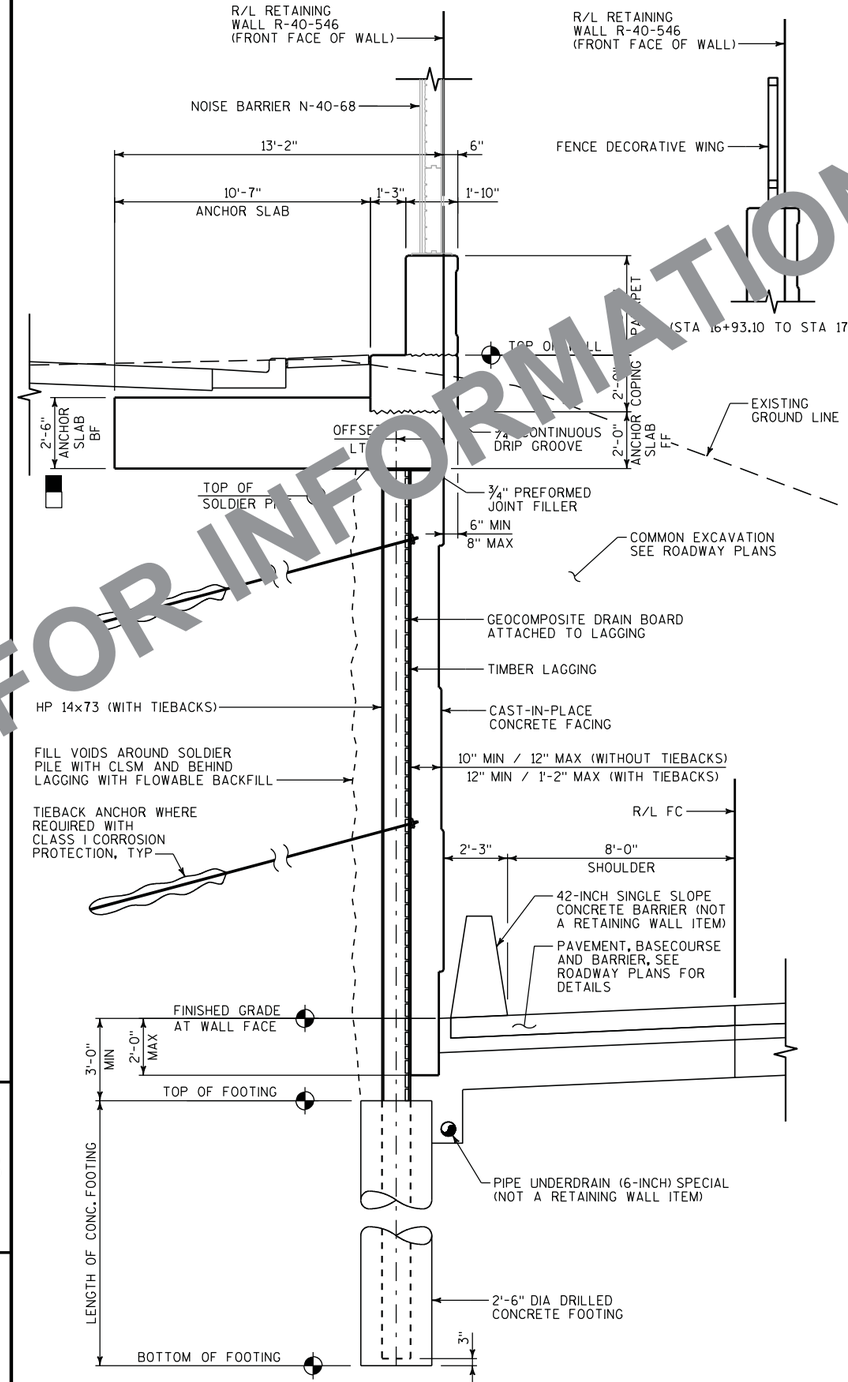
SHEET 9 OF 53

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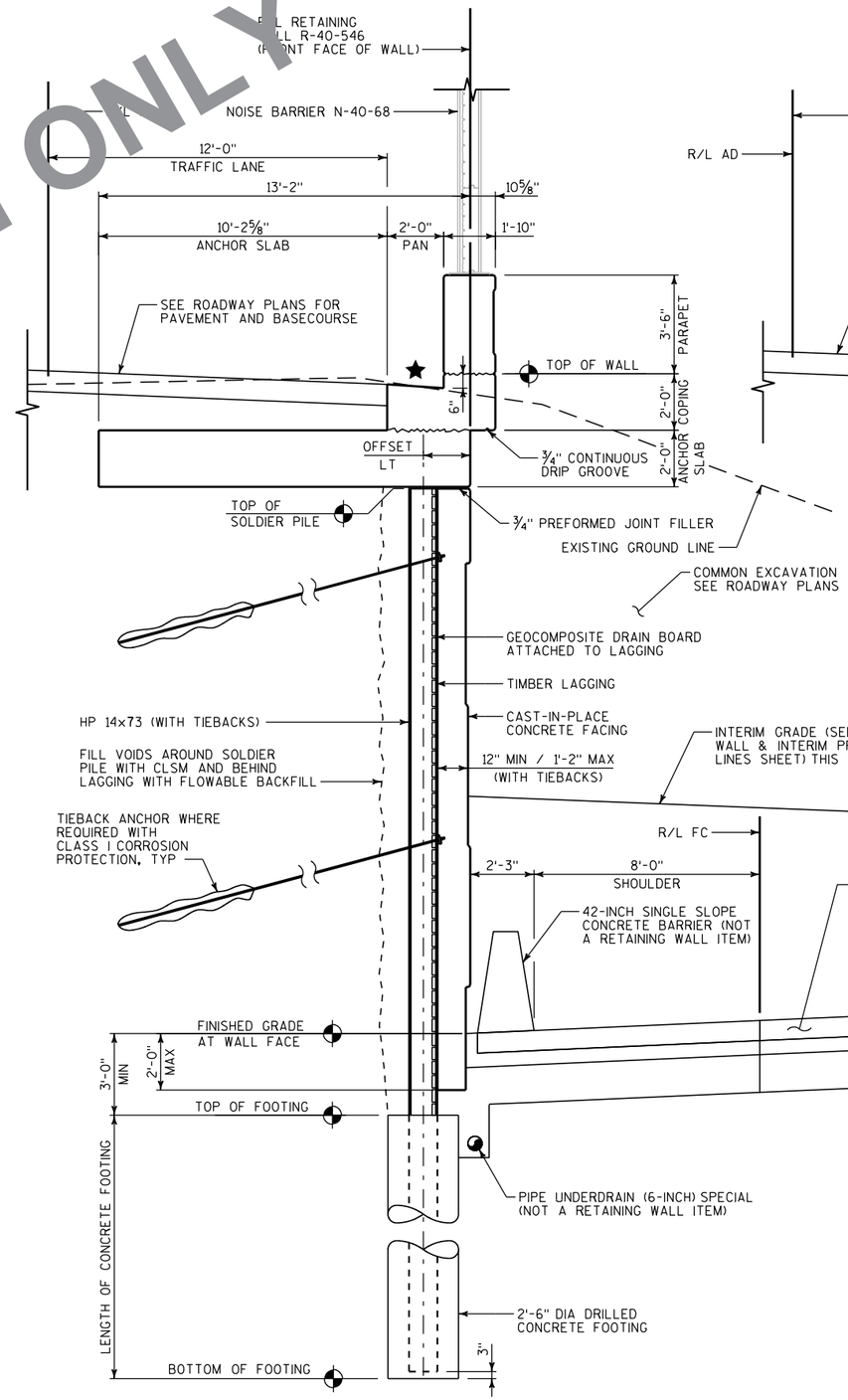
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



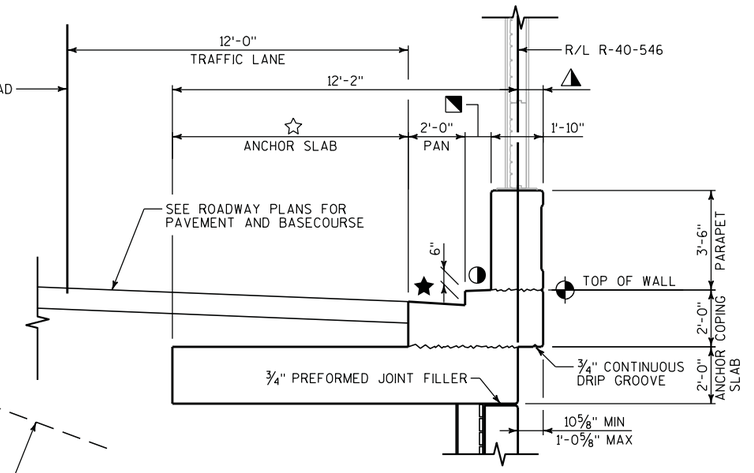
TYPICAL SECTION - UNIT 1 SEGMENT C / SEGMENT D

LOOKING WEST
SEGMENT C - STA 16+92.16 TO STA 20+20.49
SEGMENT D - STA 20+20.49 TO STA 20+99.47



TYPICAL SECTION - UNIT 1 - SEGMENT D

LOOKING WEST
SEGMENT D - STA 20+99.47 TO STA 22+00.49



TRANSITION SECTION - UNIT 1 - SEGMENT D

LOOKING WEST - TRANSITION AREAS
SEGMENT D - STA 20+99.47 TO STA 21+68.82

LEGEND

- SEGMENT D VARIES 1'-10" TO 0" (STA 20+99.47 TO STA 21+56.80)
- VARIES 6" TO 10⅝" (STA 21+56.77 TO STA 21+68.82)
- VARIES 7'-4⅝" TO 9'-2⅝" (STA 20+99.47 TO STA 21+56.80)
- SLOPE PAN ¾" PER FOOT
- SLOPE 4% MAX
- SEGMENT C - 2'-6" ANCHOR SLAB BACKFACE
  SEGMENT D - 2'-0" ANCHOR SLAB BACKFACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTIONS (2 OF 4)

SHEET 10 OF 53

8

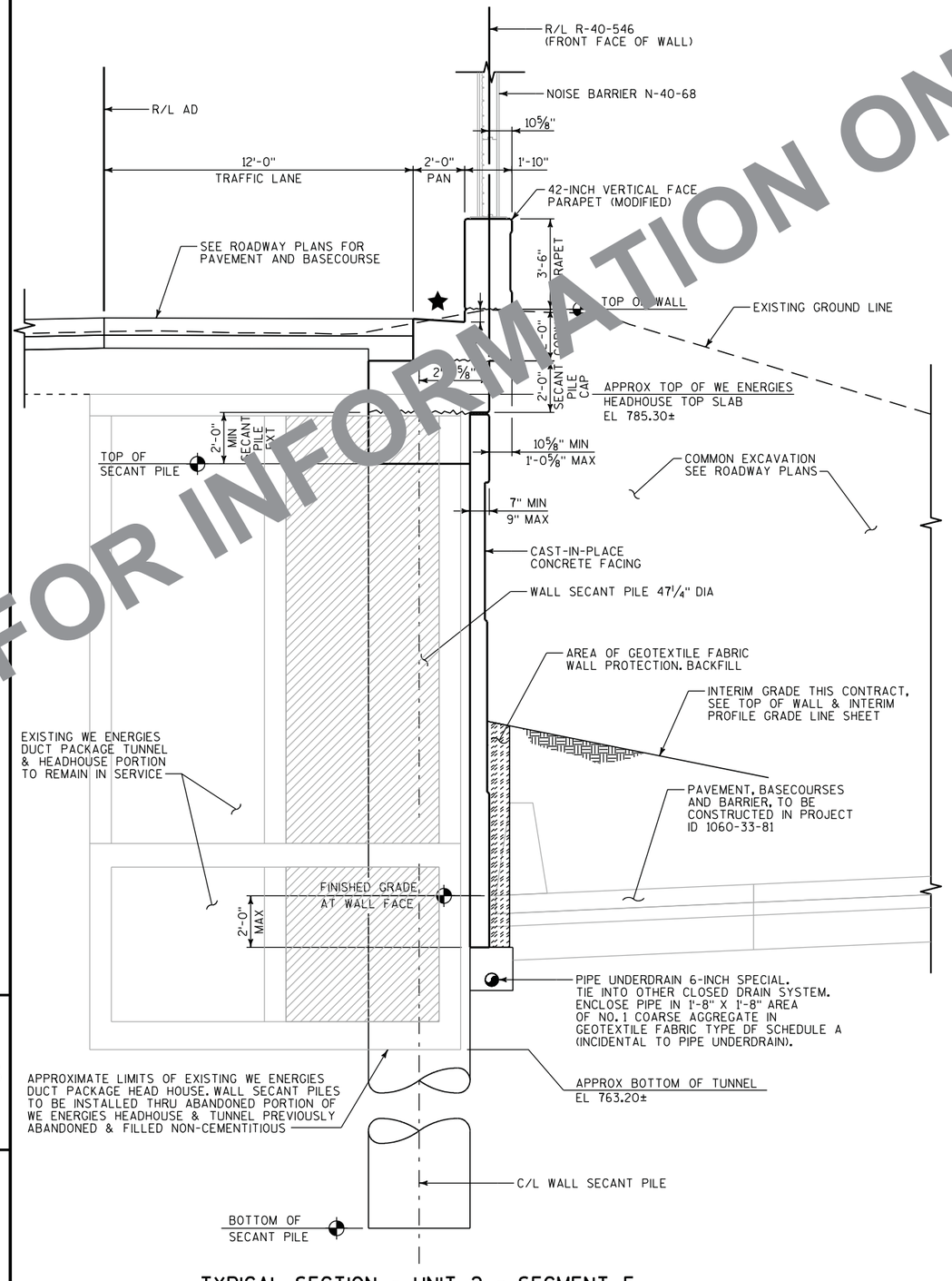
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FOR INFORMATION ONLY

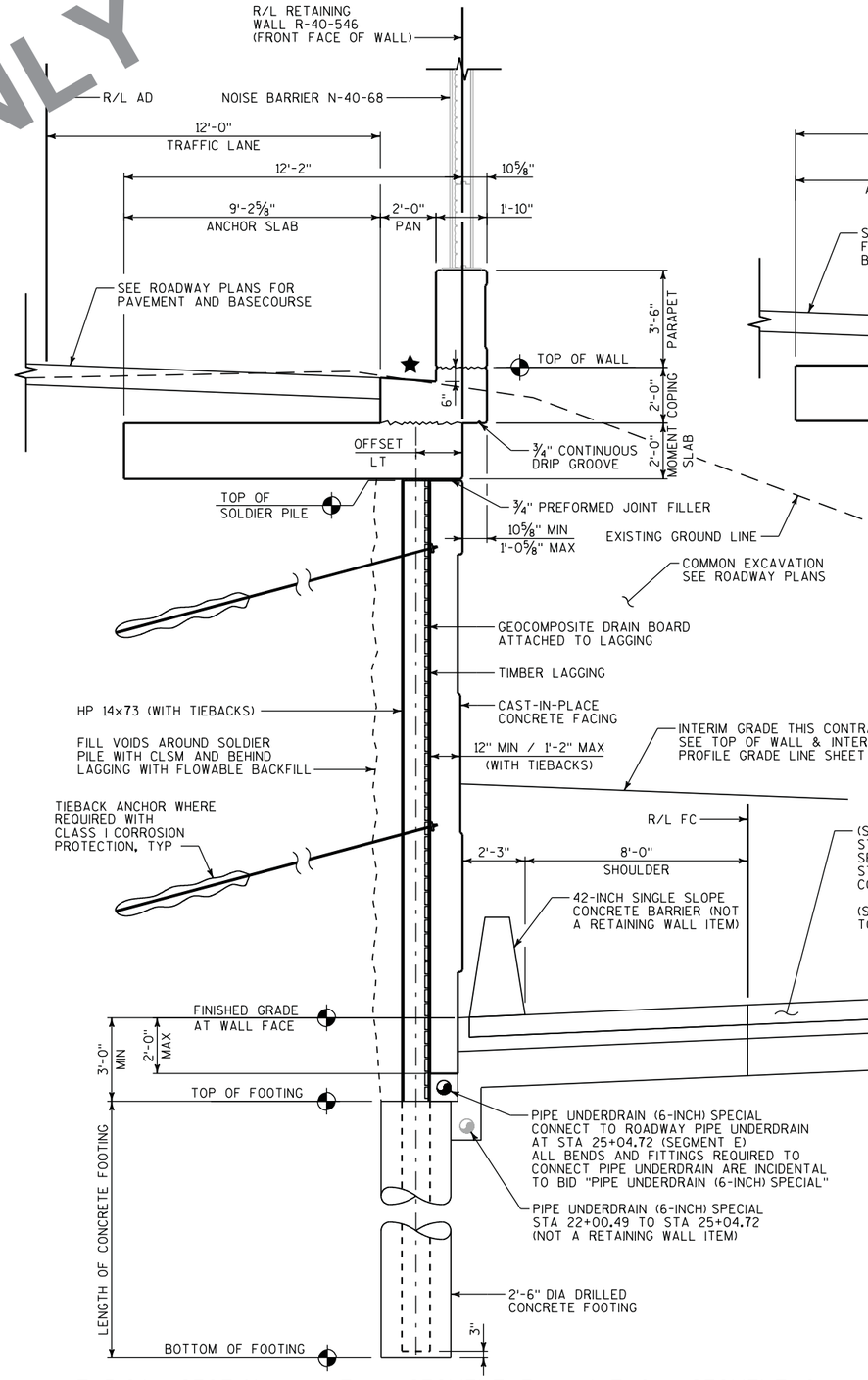
STATE PROJECT NUMBER

1060-33-80



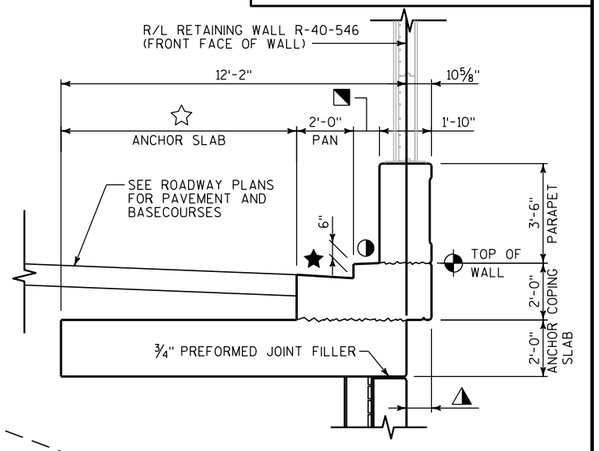
TYPICAL SECTION - UNIT 2 - SEGMENT F

LOOKING WEST
STA 26+57.99 TO STA 26+87.99



TYPICAL SECTION - UNIT 1 - SEGMENT E / UNIT 2 - SEGMENT G

LOOKING WEST
SEGMENT E - STA 22+00.49 TO STA 26+57.99
SEGMENT G - STA 26+87.99 TO STA 27+96.57



TRANSITION SECTION
UNIT 3 - SEGMENT G

LOOKING WEST - TRANSITION AREA
STA 27+71.08 TO STA 28+07.99

LEGEND

- VARIES 0" TO 1'-9¾" STA 27+81.54 TO 27+96.57
- VARIES 10⅝" TO 6" STA 27+71.08 TO STA 28+07.99
- VARIES 9'-2⅝" TO 7'-4⅞" STA 27+81.54 TO 27+96.57
- SLOPE PAN ¾" PER FOOT
- SLOPE 4% MAX

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTIONS
(3 OF 4)

SHEET 11 OF 53

6596

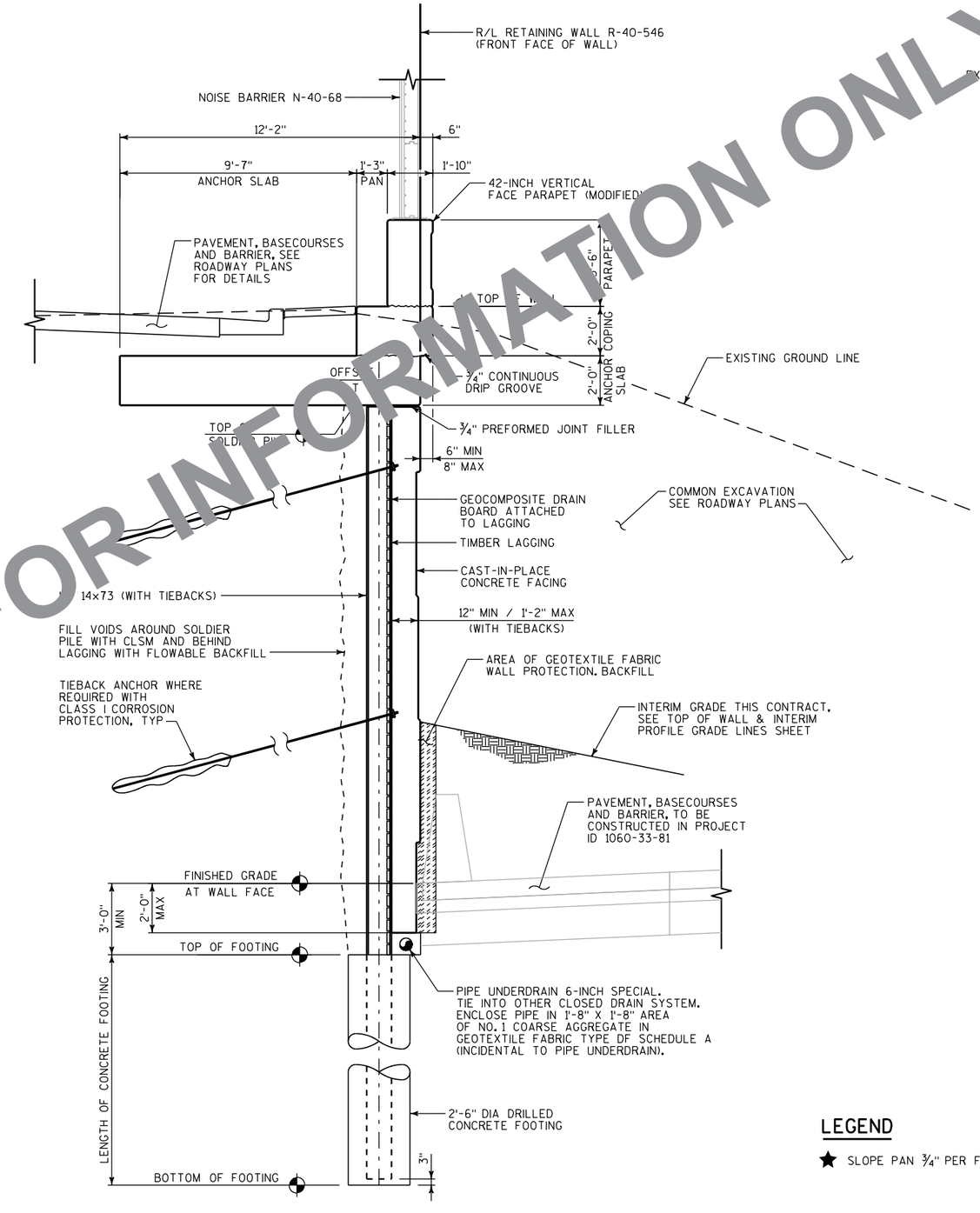
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

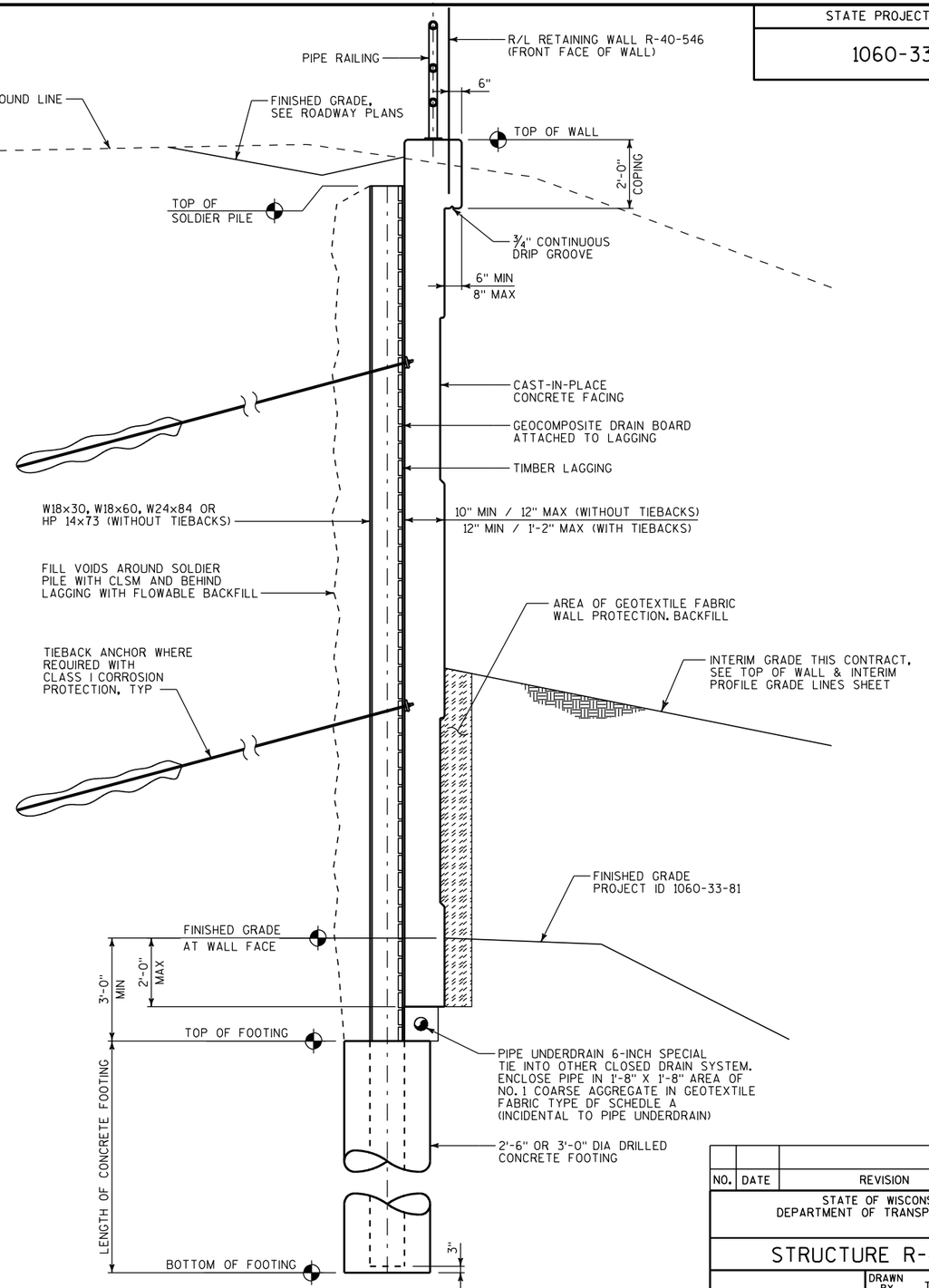


TYPICAL SECTION - UNIT 3 - SEGMENT G / SEGMENT H

LOOKING SOUTHWEST
SEGMENT G - STA 27+96.57 TO STA 28+07.99
SEGMENT H - STA 28+07.99 TO STA 28+37.99

LEGEND

★ SLOPE PAN ¾" PER FOOT



TYPICAL SECTION - UNIT 3 - SEGMENT J

LOOKING SOUTHWEST
STA 28+37.99 TO STA 30+70.49

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL SECTIONS
(4 OF 4)

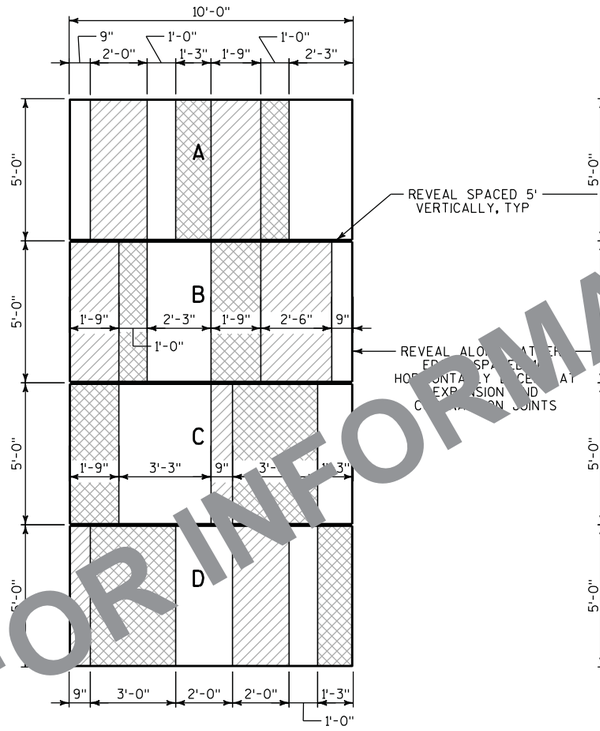
SHEET 12 OF 53

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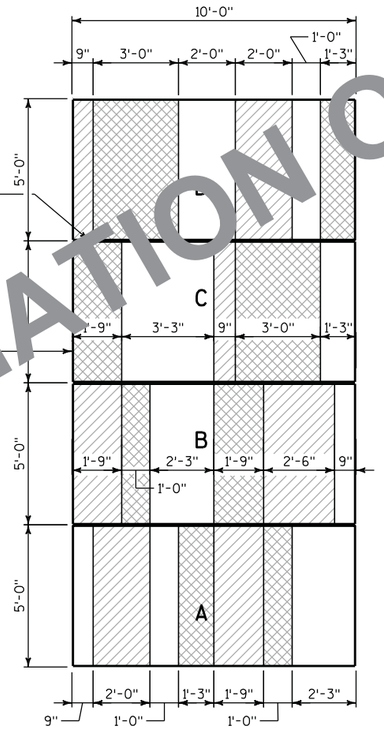
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FOR INFORMATION ONLY

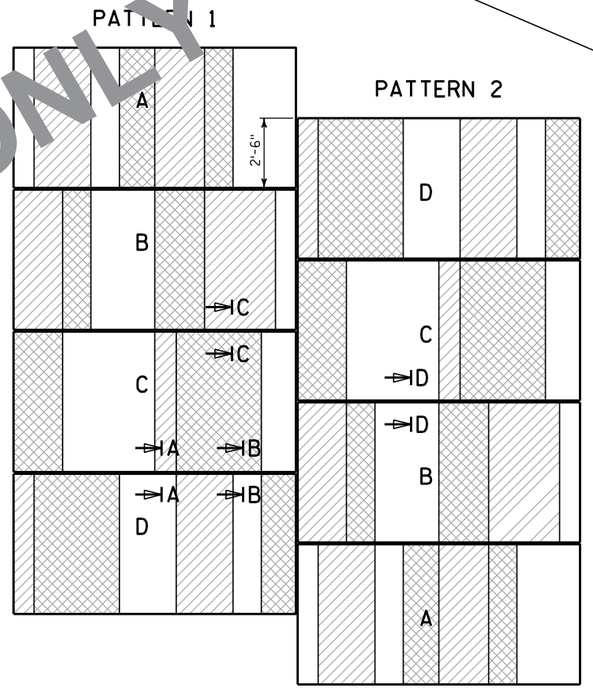
STATE PROJECT NUMBER
1060-33-80



CAST-IN-PLACE PATTERN 1

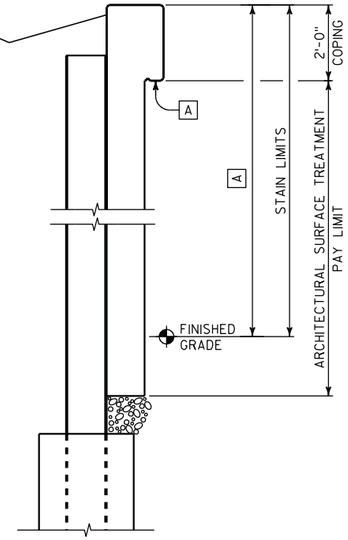


CAST-IN-PLACE PATTERN 2

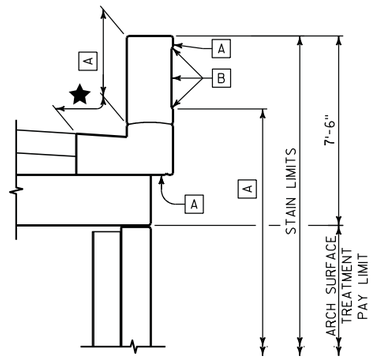


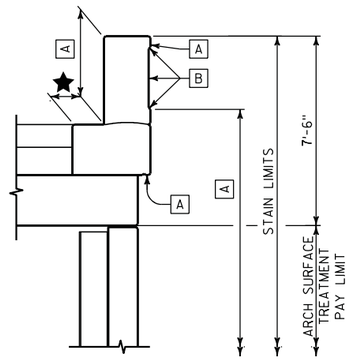
TYPICAL CAST-IN-PLACE PATTERN

PATTERN REPEATS 10' HORIZONTALLY, STAGGERED 2'-6" VERTICALLY REPEAT VERTICALLY AS REQUIRED



WALL STAINING DIAGRAM





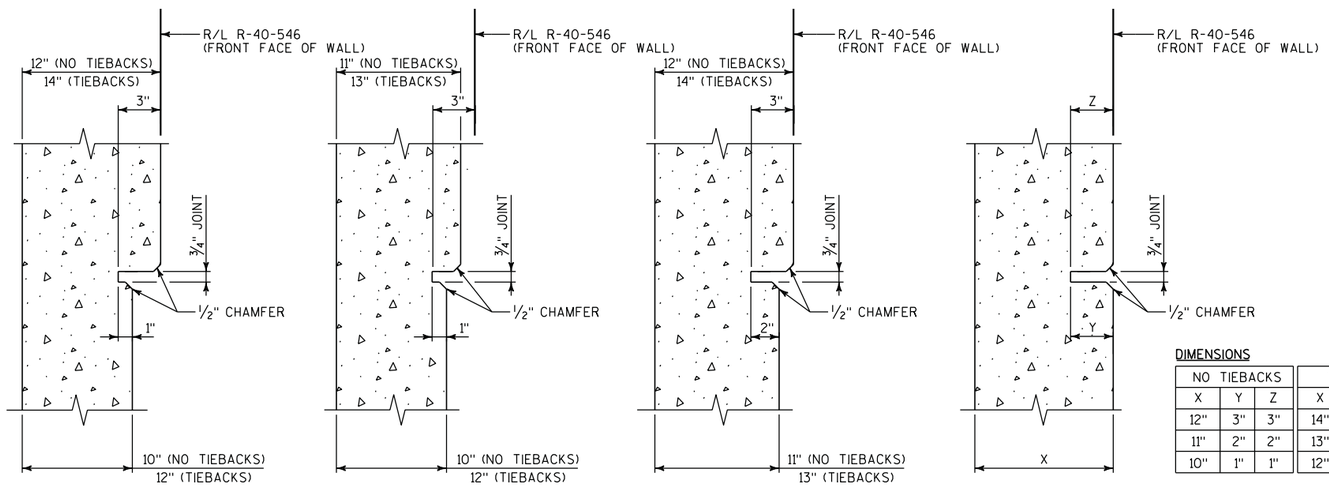
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE

STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.
BASE COLOR - 33564

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



DIMENSIONS

NO TIEBACKS			TIEBACKS		
X	Y	Z	X	Y	Z
12"	3"	3"	14"	3"	3"
11"	2"	2"	13"	2"	2"
10"	1"	1"	12"	1"	1"

REVEAL SECTION A-A

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 2"

REVEAL SECTION B-B

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 1"

REVEAL SECTION C-C

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 1"

REVEAL SECTION D-D

CONCRETE FACING THICKNESS ADJACENT TO REVEAL IS EQUAL

LEGEND

FACING THICKNESS		
	NO TIEBACKS	TIEBACKS
	10"	12"
	11"	13"
	12"	14"

★ PROTECTIVE SURFACE TREATMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-546

DRAWN BY TEK | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS

SHEET 44 OF 53

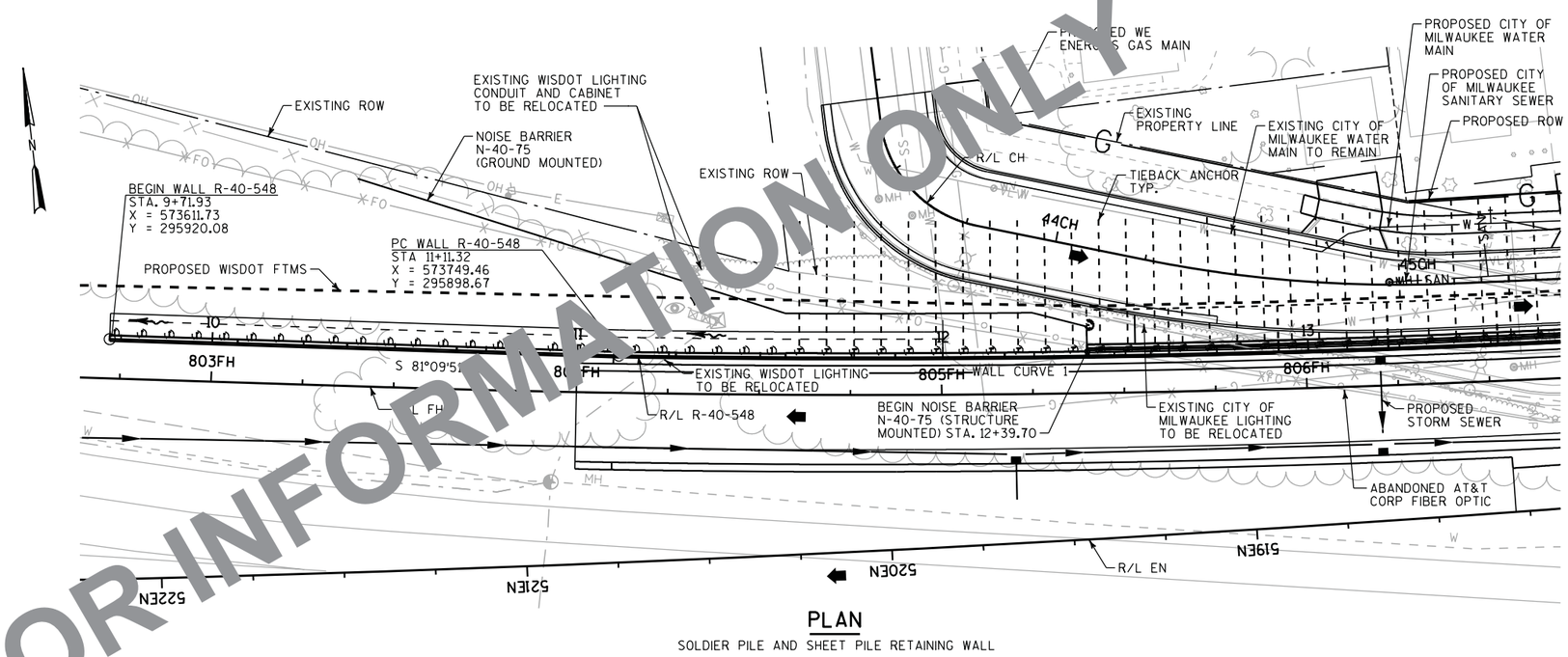
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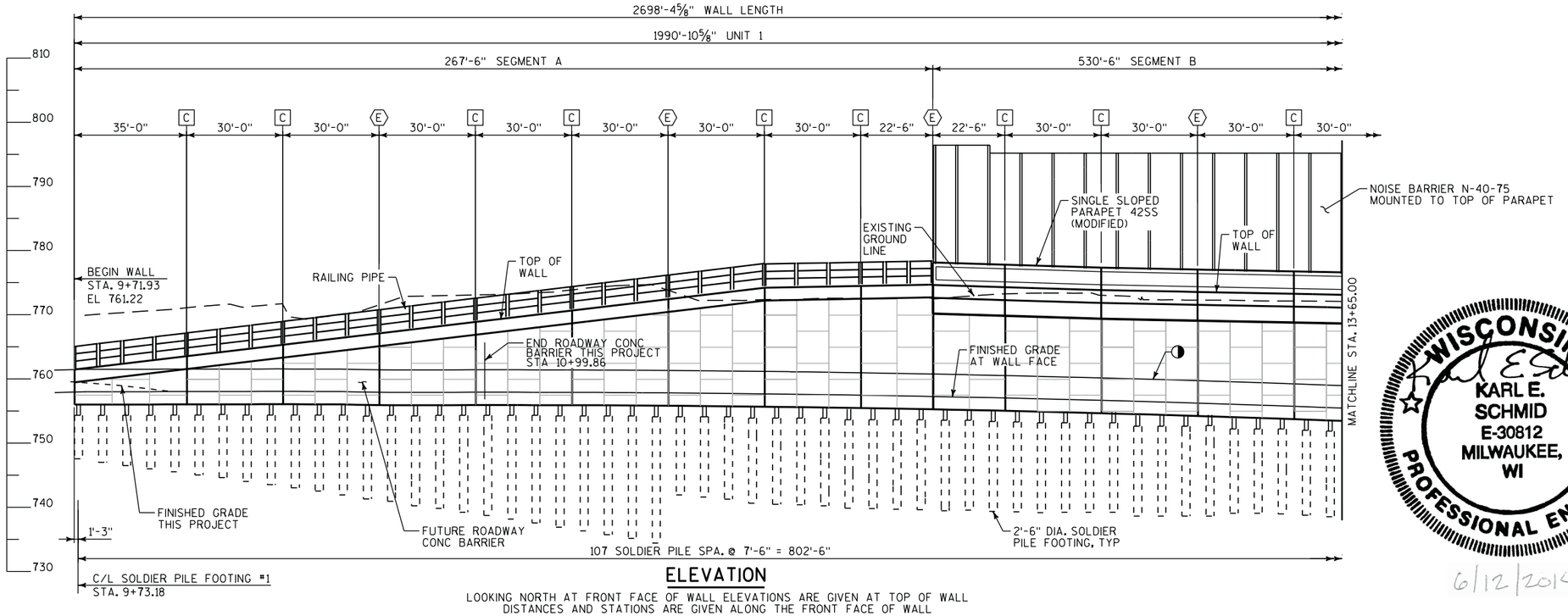
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL ELEVATIONS ARE GIVEN AT TOP OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 6)
2. GENERAL PLAN & ELEVATION (2 OF 6)
3. GENERAL PLAN & ELEVATION (3 OF 6)
4. GENERAL PLAN & ELEVATION (4 OF 6)
5. GENERAL PLAN & ELEVATION (5 OF 6)
6. GENERAL PLAN & ELEVATION (6 OF 6)
7. QUANTITIES & HORIZONTAL CURVE DATA
8. GENERAL NOTES, DESIGN DATA & TOP OF WALL PGL
9. PROFILE GRADE LINES
10. TYPICAL SECTION 1 UNIT 1 SEGMENT A
11. TYPICAL SECTION 2 UNIT 1 SEGMENT A
12. TYPICAL SECTION 3 UNIT 1 SEGMENT B
13. TYPICAL SECTION 4 UNIT 1 SEGMENT C
14. TYPICAL SECTION 5 UNIT 1 SEGMENT D
15. TYPICAL SECTION 6 UNIT 1 SEGMENT E
16. TYPICAL SECTION 7 UNIT 2
17. TYPICAL SECTION 8 UNIT 3 SEGMENT A
18. TYPICAL SECTION 9 UNIT 3 SEGMENT B
19. SOLDIER PILE DATA TABLE (1 OF 5)
20. SOLDIER PILE DATA TABLE (2 OF 5)
21. SOLDIER PILE DATA TABLE (3 OF 5)
22. SOLDIER PILE DATA TABLE (4 OF 5)
23. SOLDIER PILE DATA TABLE (5 OF 5)
24. TIEBACK ANCHOR DETAILS
25. TIEBACK ANCHOR DATA TABLE (1 OF 3)
26. TIEBACK ANCHOR DATA TABLE (2 OF 3)
27. TIEBACK ANCHOR DATA TABLE (3 OF 3)
28. SOLDIER PILE WALL DETAILS (1 OF 3)
29. SOLDIER PILE WALL DETAILS (2 OF 3)
30. SOLDIER PILE WALL DETAILS (3 OF 3)
31. SHEET PILING WALL DETAILS (1 OF 3)
32. SHEET PILING WALL DETAILS (2 OF 3)
33. SHEET PILING WALL DETAILS (3 OF 3)
34. WALL ELEVATION (1 OF 10)
35. WALL ELEVATION (2 OF 10)
36. WALL ELEVATION (3 OF 10)
37. WALL ELEVATION (4 OF 10)
38. WALL ELEVATION (5 OF 10)
39. WALL ELEVATION (6 OF 10)
40. WALL ELEVATION (7 OF 10)
41. WALL ELEVATION (8 OF 10)
42. WALL ELEVATION (9 OF 10)
43. WALL ELEVATION (10 OF 10)
44. SOLDIER PILE FACING REINFORCING SCHEDULE
45. WALL ANCHOR SLAB PLAN (1 OF 5)
46. WALL ANCHOR SLAB PLAN (2 OF 5)
47. WALL ANCHOR SLAB PLAN (3 OF 5)
48. WALL ANCHOR SLAB PLAN (4 OF 5)
49. WALL ANCHOR SLAB PLAN (5 OF 5)
50. WALL ANCHOR SLAB DETAILS (1 OF 2)
51. WALL ANCHOR SLAB DETAILS (2 OF 2)
52. LIGHT BASE DETAILS
53. SIGN BASE DETAILS (1 OF 2)
54. SIGN BASE DETAILS (2 OF 2)
55. PARAPET CONDUIT DETAILS
56. AESTHETIC WALL TREATMENT DETAILS (1 OF 3)
57. AESTHETIC WALL TREATMENT DETAILS (2 OF 3)
58. AESTHETIC WALL TREATMENT DETAILS (3 OF 3)
59. RAILING PIPE DETAILS
60. FENCE DECORATIVE WING LAYOUT
61. FENCE DECORATIVE WING (1 OF 3)
62. FENCE DECORATIVE WING (2 OF 3)
63. FENCE DECORATIVE WING (3 OF 3)
64. FENCE DECORATIVE WALL (1 OF 2)
65. FENCE DECORATIVE WALL (2 OF 2)
66. SUBSURFACE EXPLORATION (1 OF 5)
67. SUBSURFACE EXPLORATION (2 OF 5)
68. SUBSURFACE EXPLORATION (3 OF 5)
69. SUBSURFACE EXPLORATION (4 OF 5)
70. SUBSURFACE EXPLORATION (5 OF 5)

LEGEND

- INDICATES ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher DVR — CHIEF STRUCTURES DESIGN ENGINEER — DATE 6/12/14

STRUCTURE R-40-548

RETAINING WALL ALONG RAMP FH / RAMP FD

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D.
BHI/CJW	EKM/KRB	BHI	KES

GENERAL PLAN & ELEVATION (1 OF 6)

SHEET 1 OF 70

WISCONSIN KARL E. SCHMID E-30812 MILWAUKEE, WI PROFESSIONAL ENGINEER

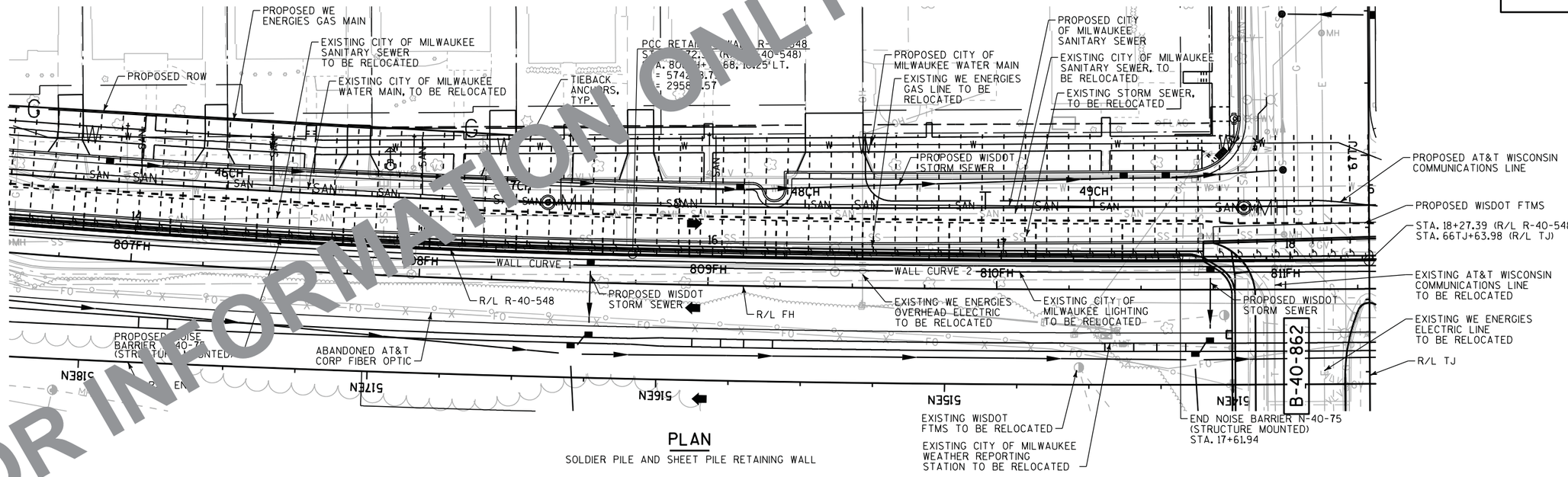
6/12/2014

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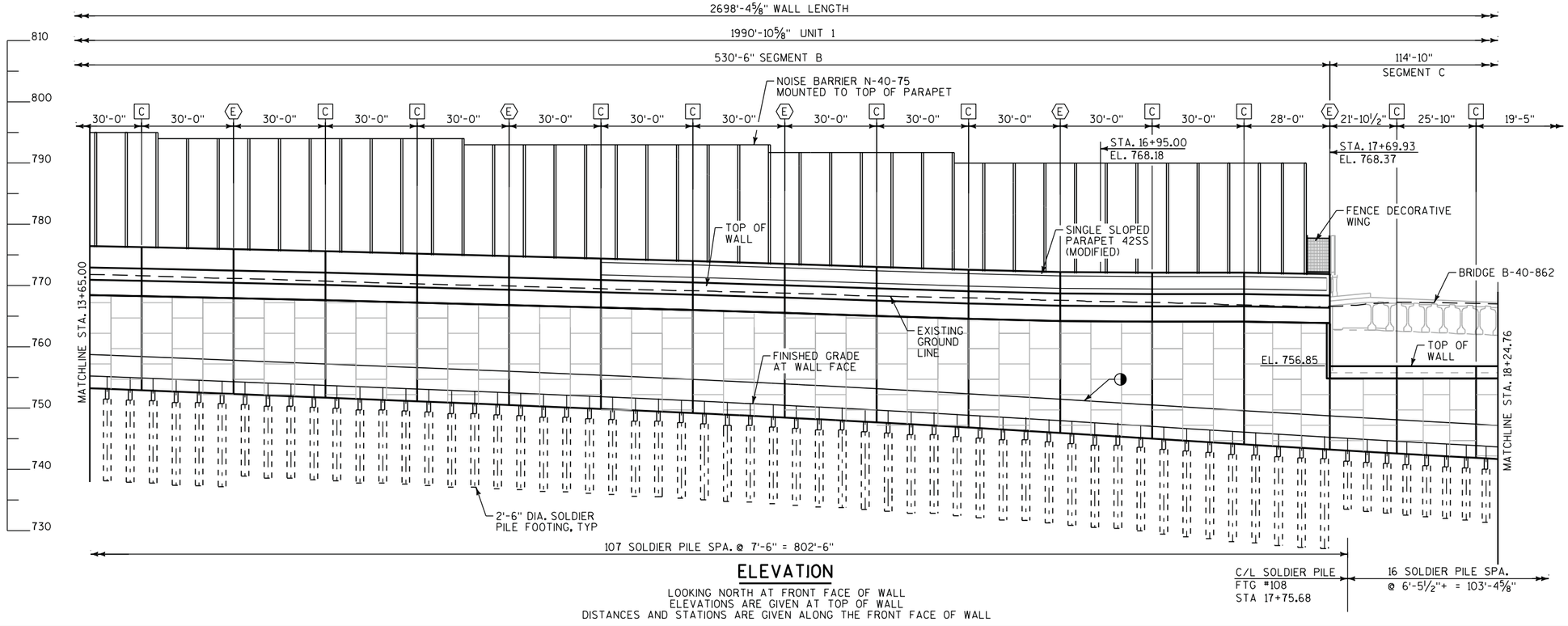
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

GENERAL PLAN & ELEVATION (2 OF 6)

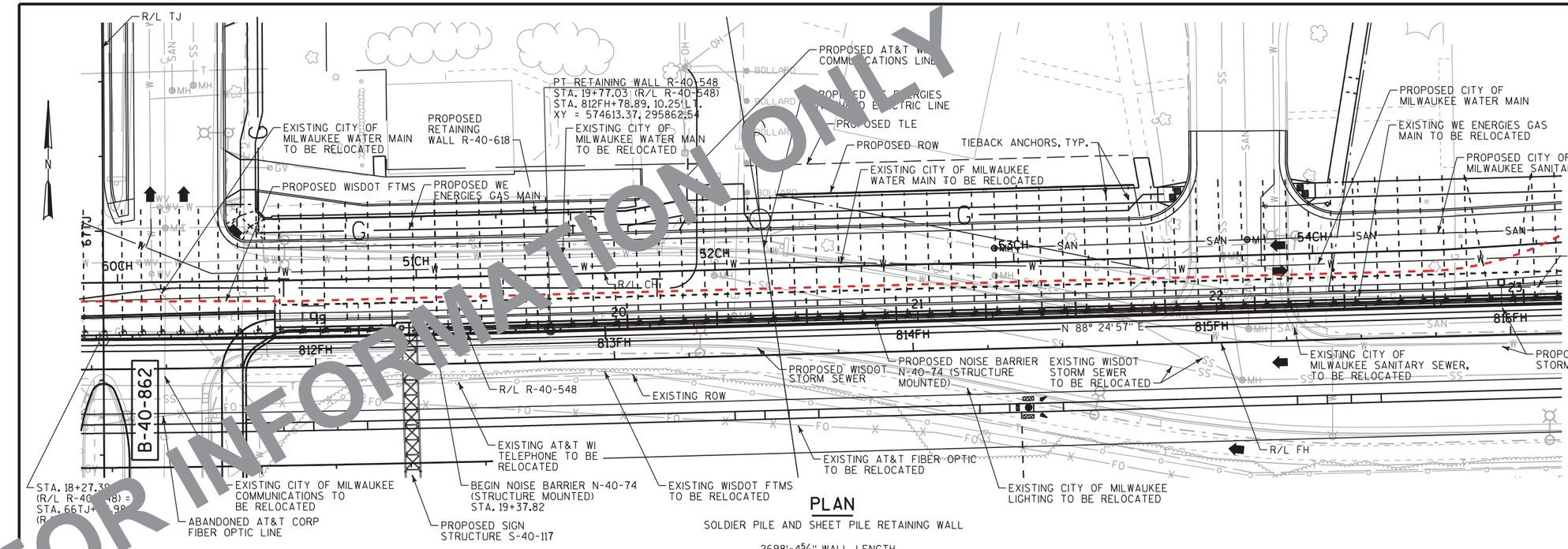
SHEET 2 OF 70

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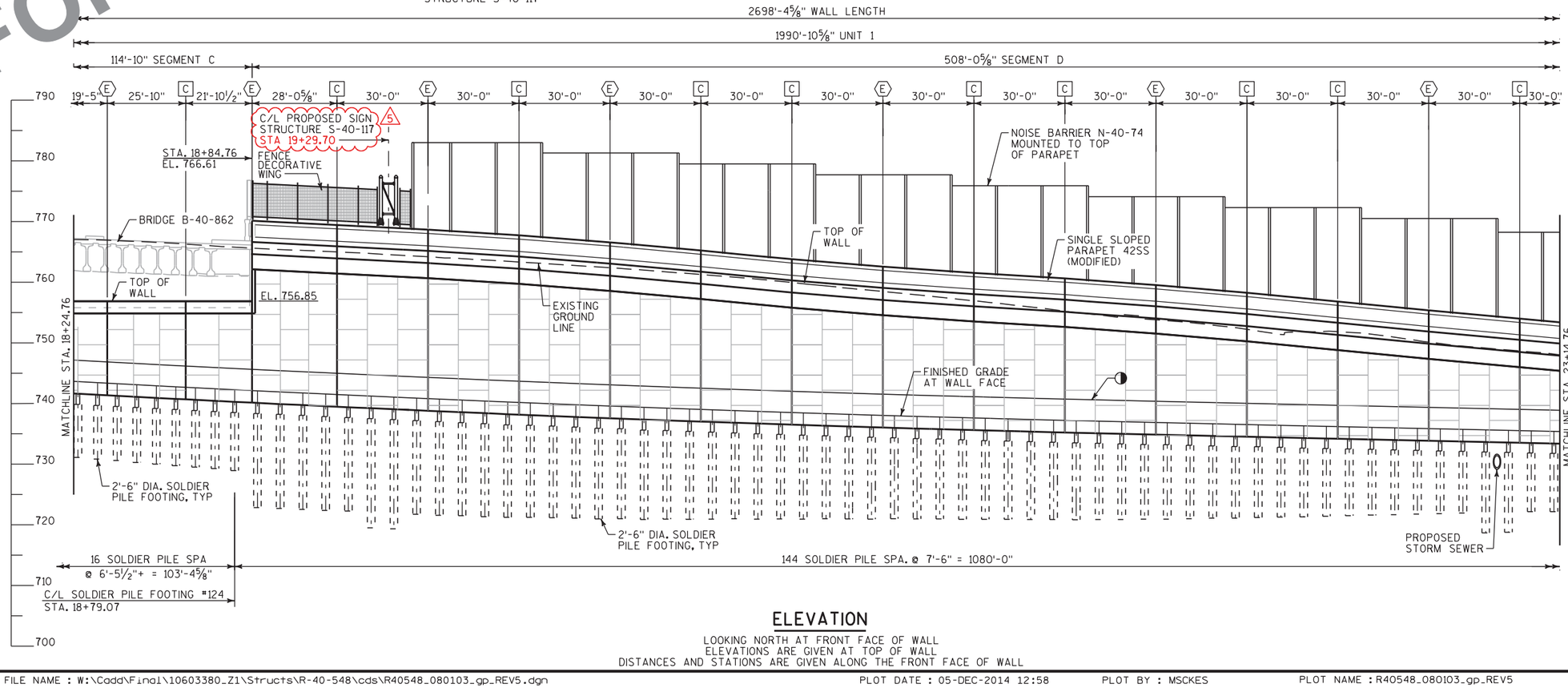
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)

WISCONSIN
KARL E. SCHMID
E-30812
MILWAUKEE, WI
PROFESSIONAL ENGINEER

12/9/14

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
12/12/14

NO.	DATE	REVISION	BY
5	12/19/14	SIGN STRUCTURE STATION REVISION	KES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

GENERAL PLAN & ELEVATION (3 OF 6)

SHEET 3 OF 70

3060
6601

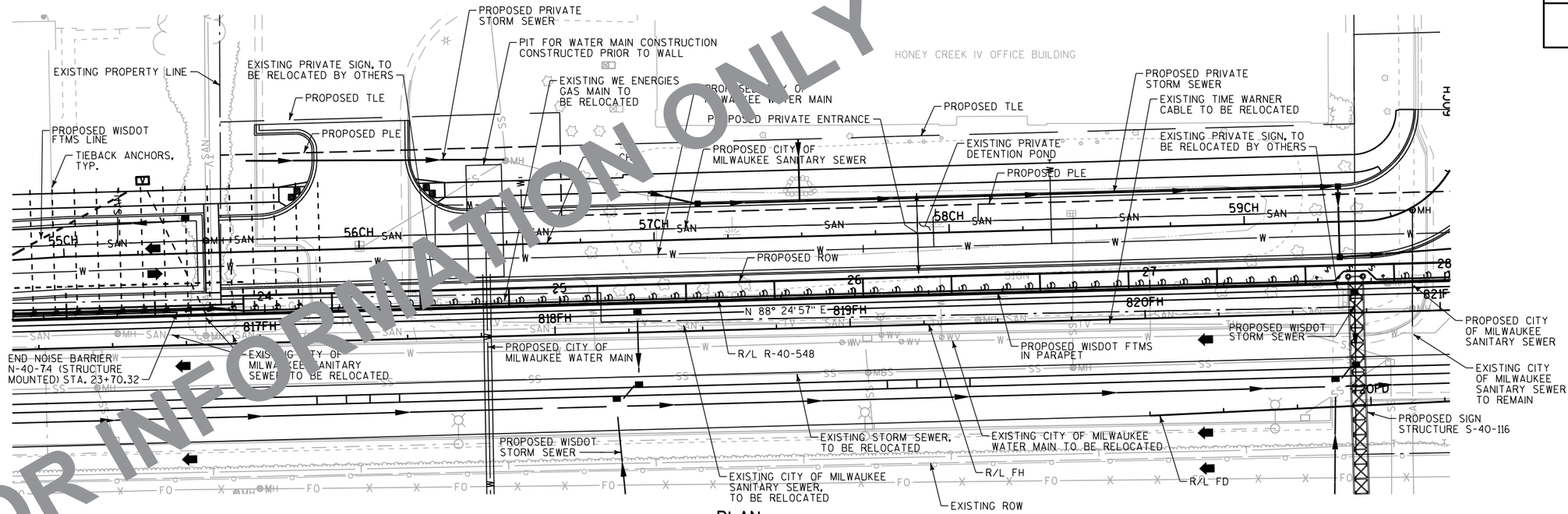
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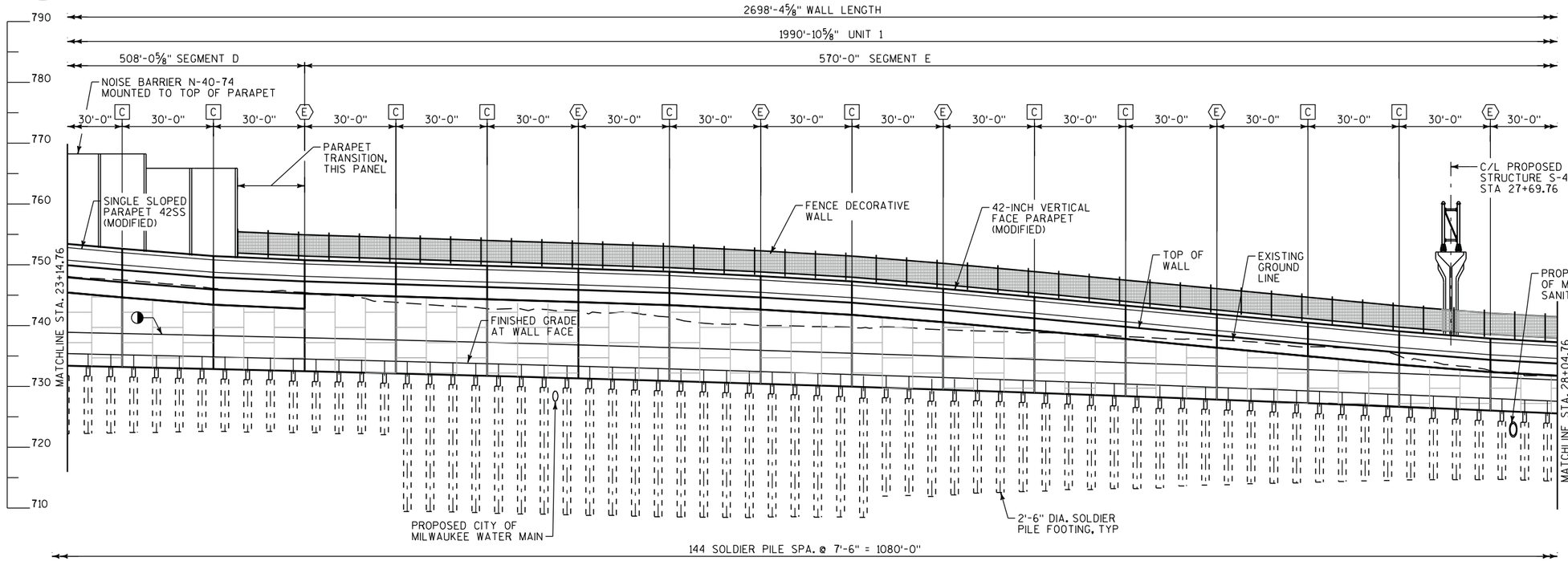
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL
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LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
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- CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

GENERAL PLAN & ELEVATION (4 OF 6)

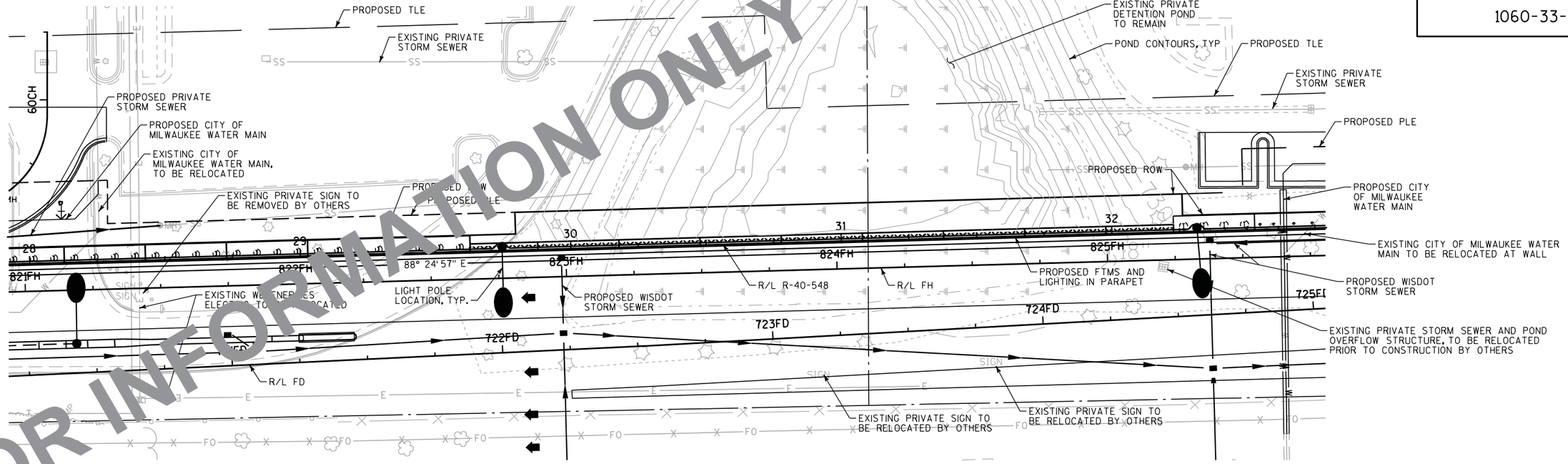
SHEET 4 OF 70

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PLOT SCALE : 40:1

STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY

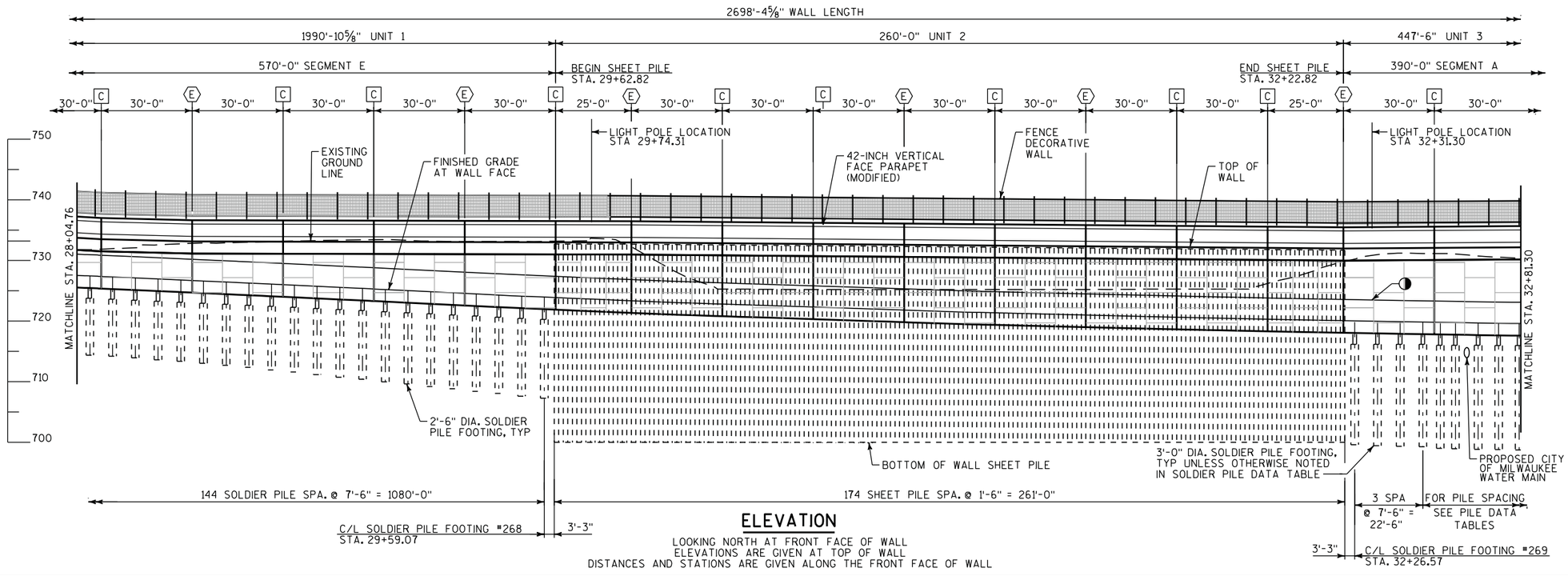


PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL

LEGEND

- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ELEVATIONS ARE GIVEN AT TOP OF WALL
DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

GENERAL PLAN & ELEVATION (5 OF 6)

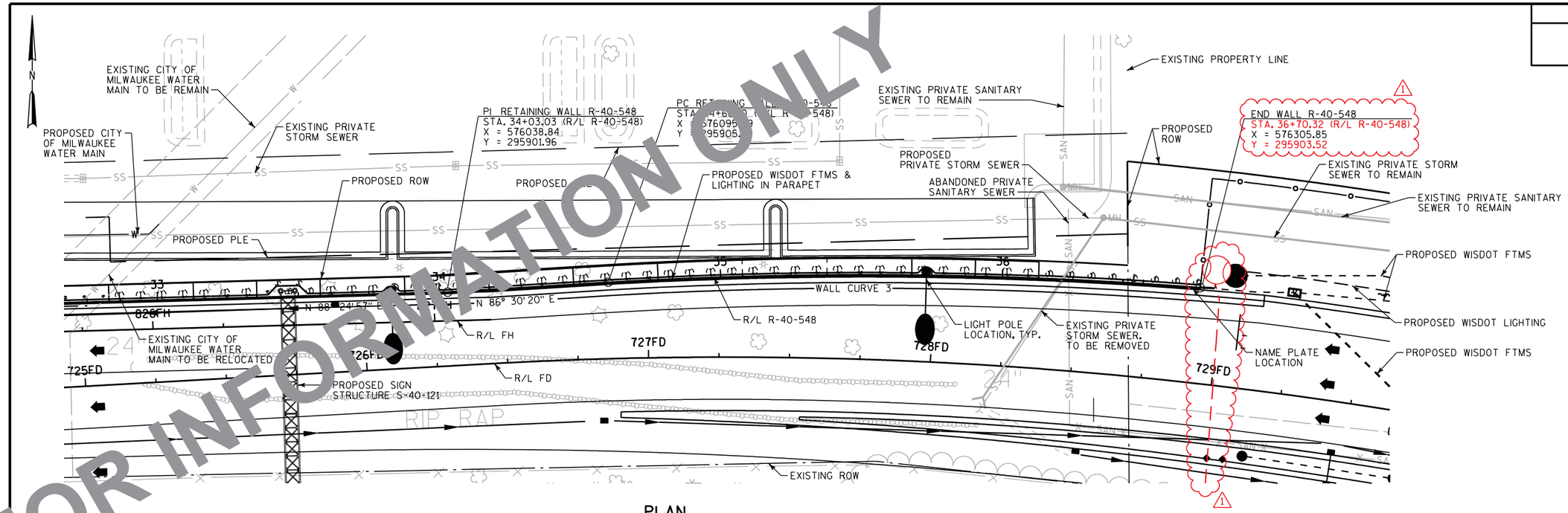
SHEET 5 OF 70

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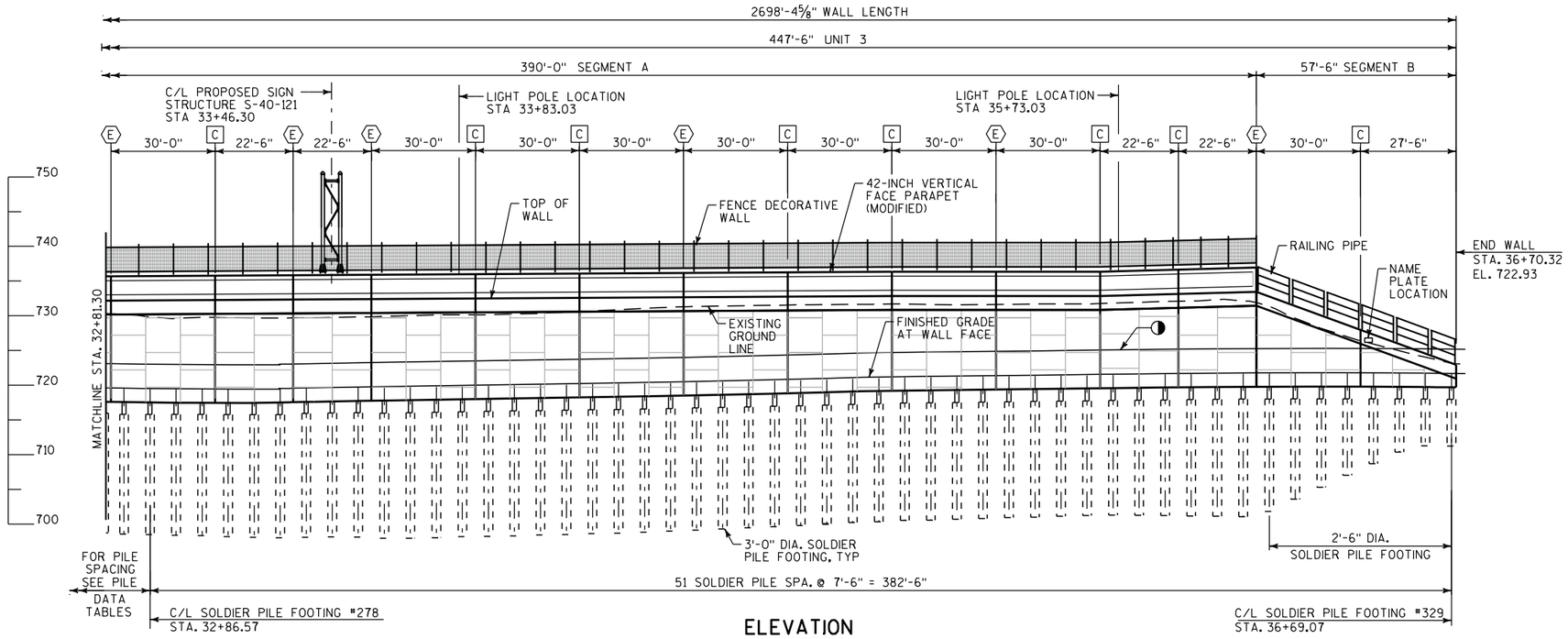
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE AND SHEET PILE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
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- INDICATES FINAL ROADWAY LANE LOCATIONS AND DIRECTION OF TRAVEL
- (E) EXPANSION JOINT
- [C] CONTRACTION JOINT
- ◑ CONCRETE BARRIER TYPE SS42 (NOT A RETAINING WALL ITEM)

NO.	DATE	REVISION	BY
1	8/28/14	END WALL STA & LIGHTING REV	KES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

GENERAL PLAN & ELEVATION (6 OF 6)

SHEET 6 OF 70

3063
6604

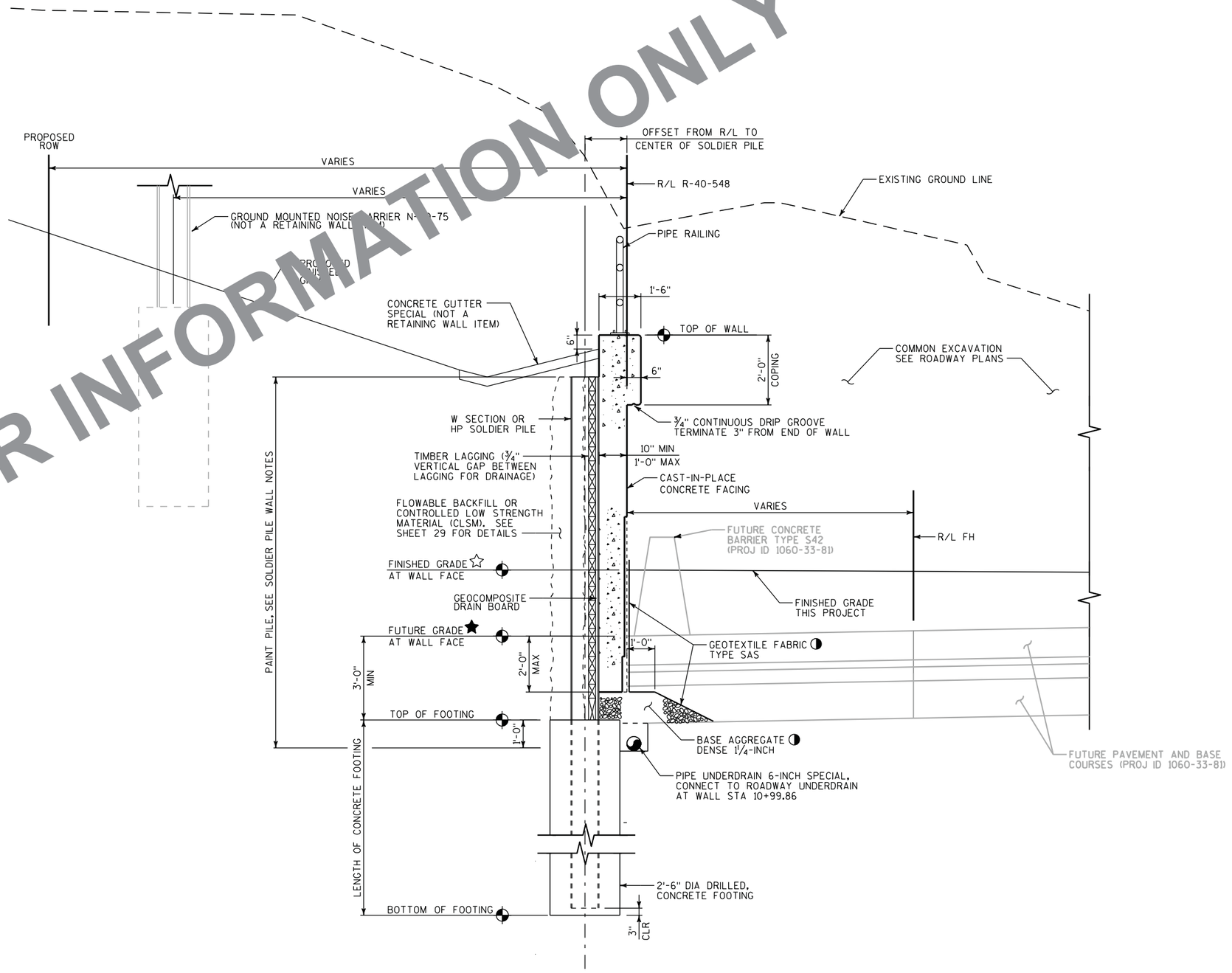
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STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



TYPICAL SECTION 1 - STA 9+71.93 TO STA 10+99.86

(LOOKING UPSTATION)

LEGEND

- ☆ FINISHED GRADE AT CONCLUSION OF THIS PROJECT ID 1060-33-80
- ★ FUTURE GRADE - FINISHED GRADE AT CONCLUSION OF PROJECT ID 1060-33-81.
- ◑ PLACE GEOTEXTILE FABRIC OVER BASE AGGREGATE AND AGAINST RETAINING WALL FACE BEFORE BACKFILLING AGAINST WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

TYPICAL SECTION 1
UNIT 1
SEGMENT A

SHEET 10 OF 70

6605

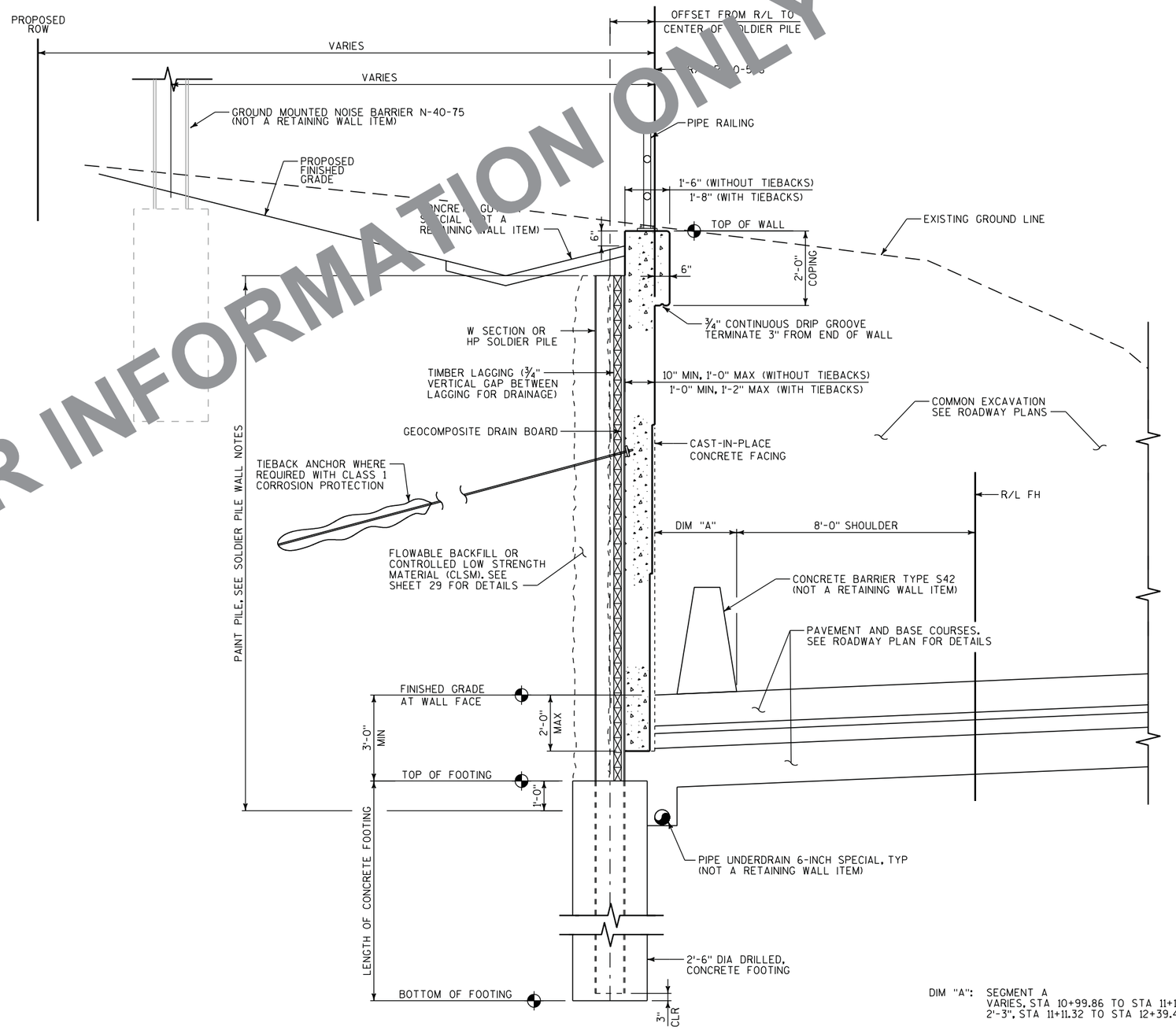
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



DIM "A": SEGMENT A
VARIES, STA 10+99.86 TO STA 11+11.32
2'-3", STA 11+11.32 TO STA 12+39.43

TYPICAL SECTION 2 - STA 10+99.86 TO STA 12+39.43

(LOOKING UPSTATION)
STA 10+99.86 TO STA 11+56.93 -- NO TIEBACKS
STA 11+56.93 TO STA 12+39.43 -- SINGLE TIEBACK

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

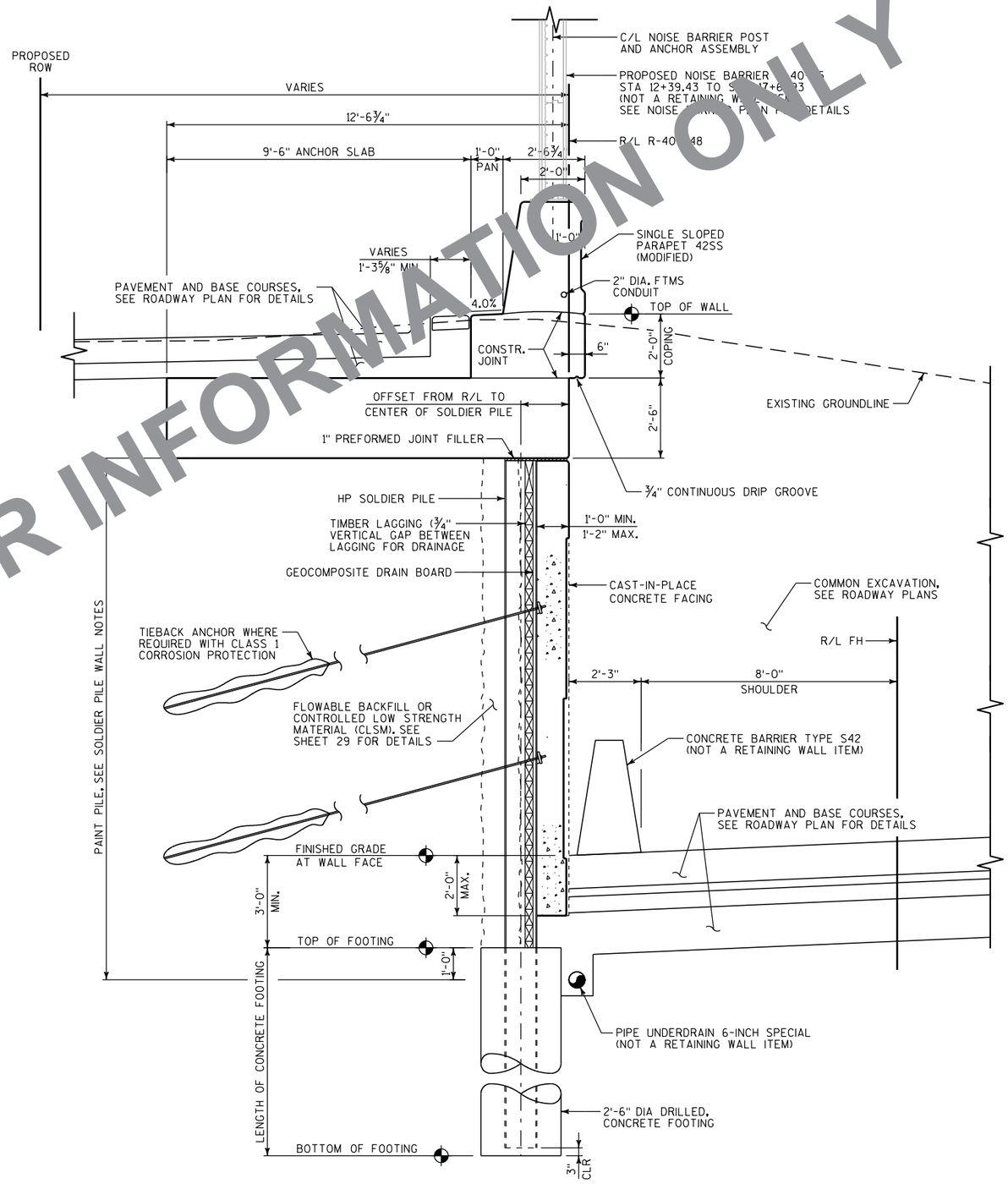
TYPICAL SECTION 2
UNIT 1
SEGMENT A

SHEET 11 OF 70

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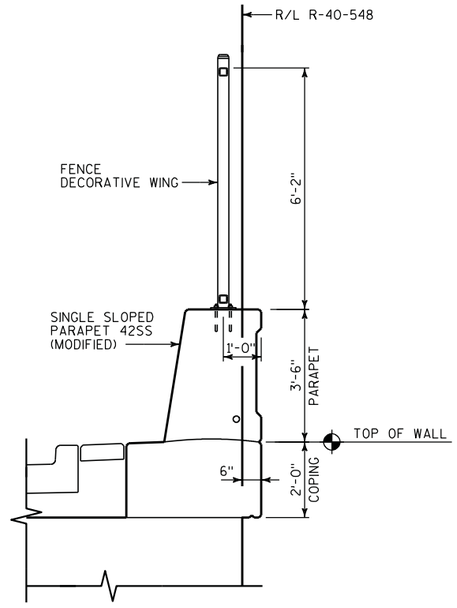
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION 3 - STA 12+39.43 TO STA 17+69.93

(LOOKING UPSTATION)
STA 12+39.43 TO STA 17+11.93 - SINGLE TIEBACK ANCHOR
STA 17+11.93 TO STA 17+69.93 - DOUBLE TIEBACK ANCHORS



TYPICAL SECTION NEAR BRIDGE

STA 17+61.93 TO STA 17+69.93

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

TYPICAL SECTION 3
UNIT 1
SEGMENT B

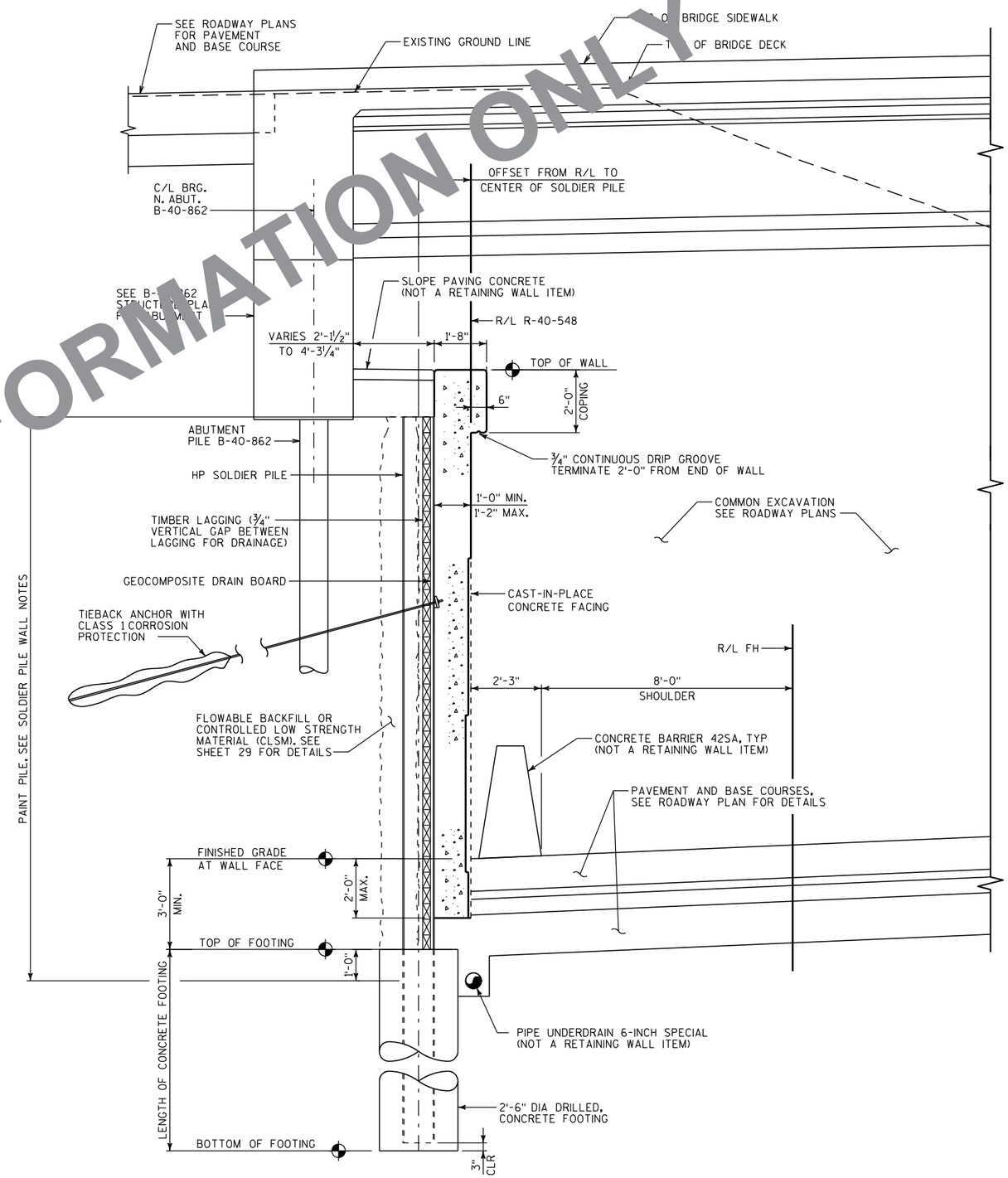
SHEET 12 OF 70

6607

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PLOT BY : MSCKES
PLOT NAME : R40548_080203_ts
PLOT SCALE : 4:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION 4 - STA 17+69.93 TO STA 18+84.76

(LOOKING UPSTATION)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

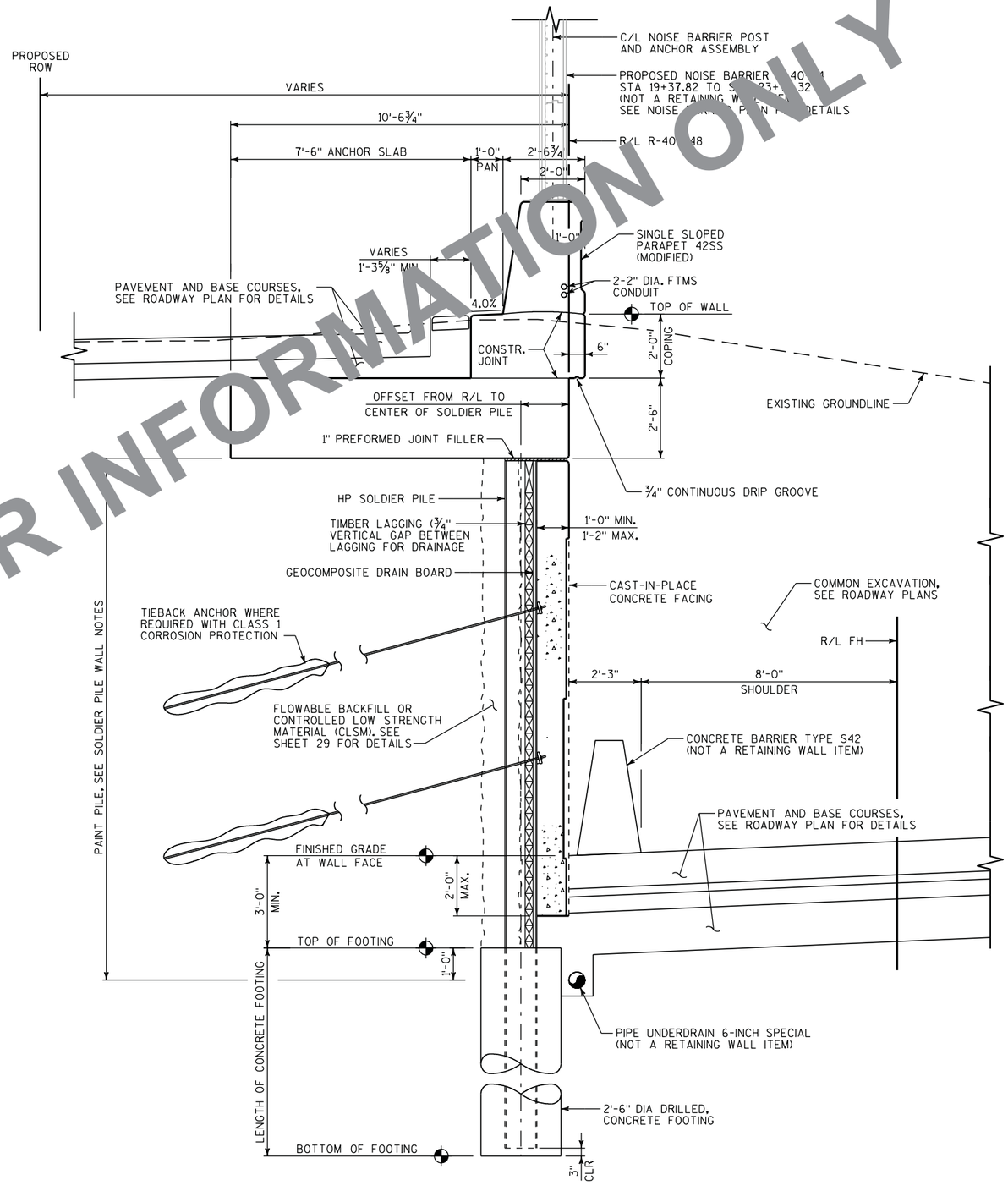
TYPICAL SECTION 4
UNIT 1
SEGMENT C

SHEET 13 OF 70

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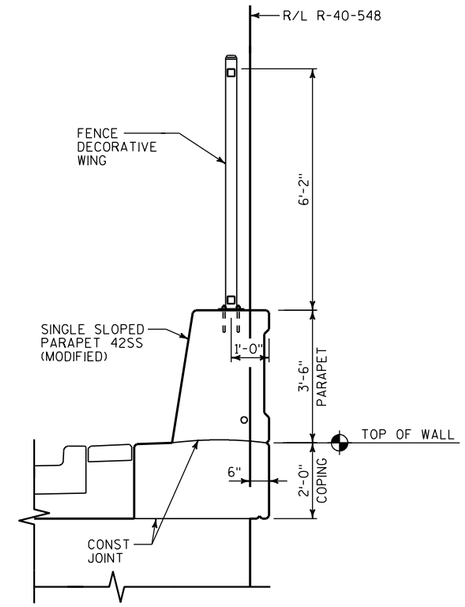
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



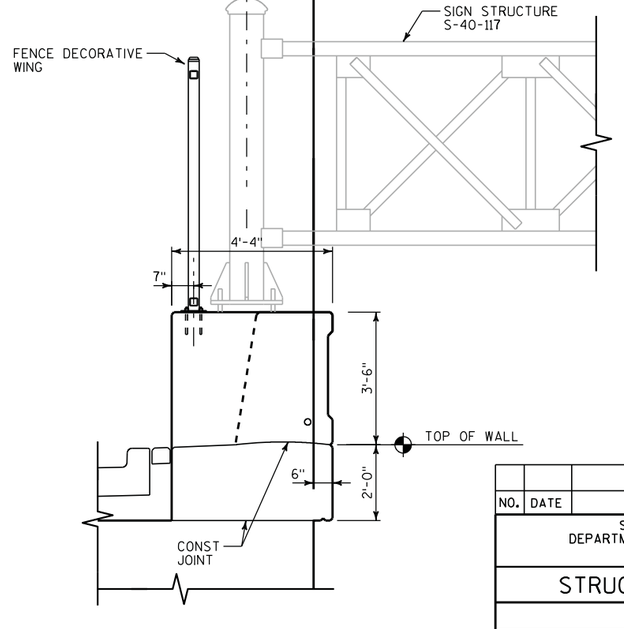
TYPICAL SECTION 5 - STA 18+84.76 TO STA 23+92.82

(LOOKING UPSTATION)



TYPICAL SECTION NEAR BRIDGE

STA 18+84.76 TO STA 19+23.43



TYPICAL SECTION @ SIGN STRUCTURE

STA 19+25.68 TO STA 19+33.68

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

TYPICAL SECTION 5
UNIT 1
SEGMENT D

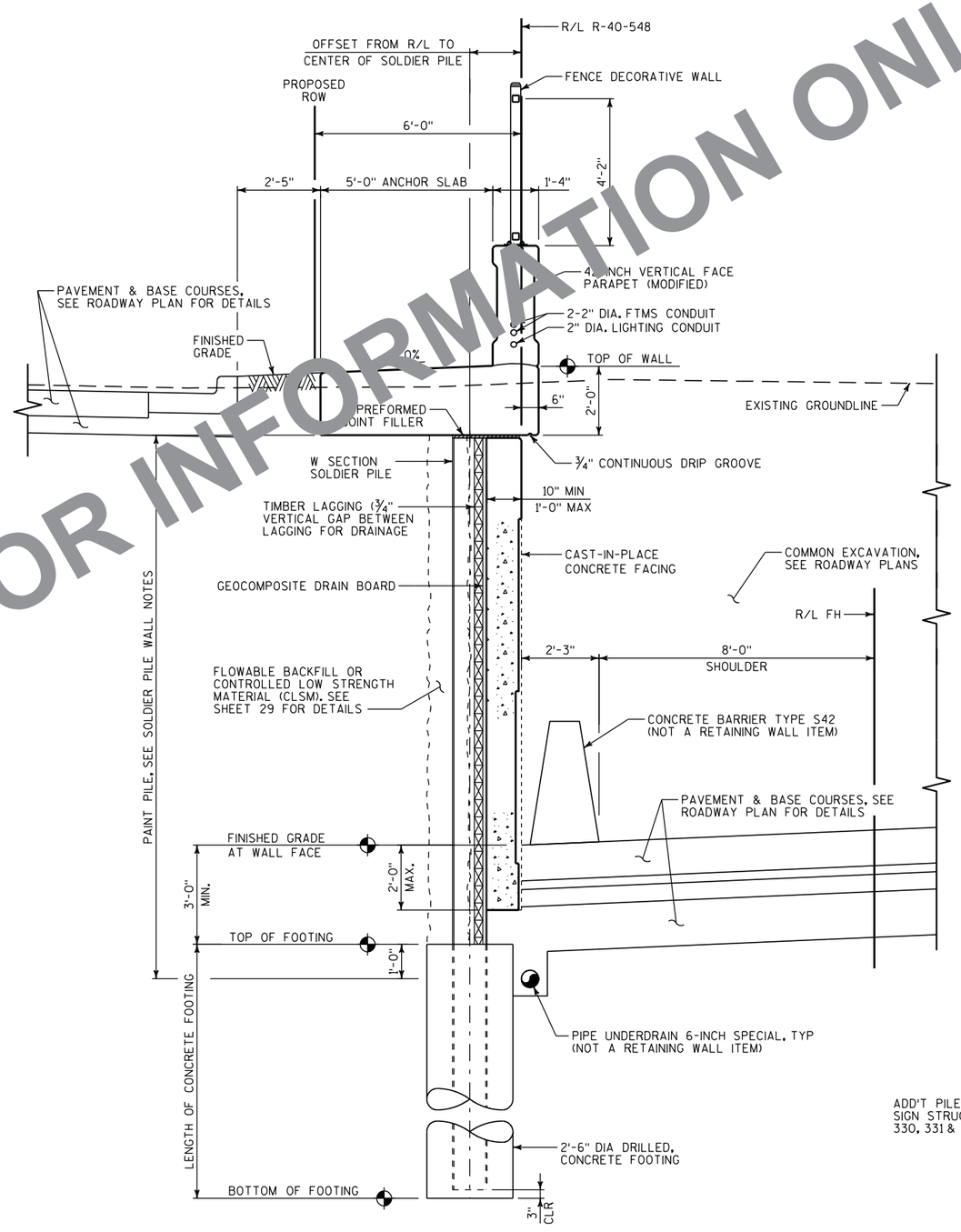
SHEET 14 OF 70

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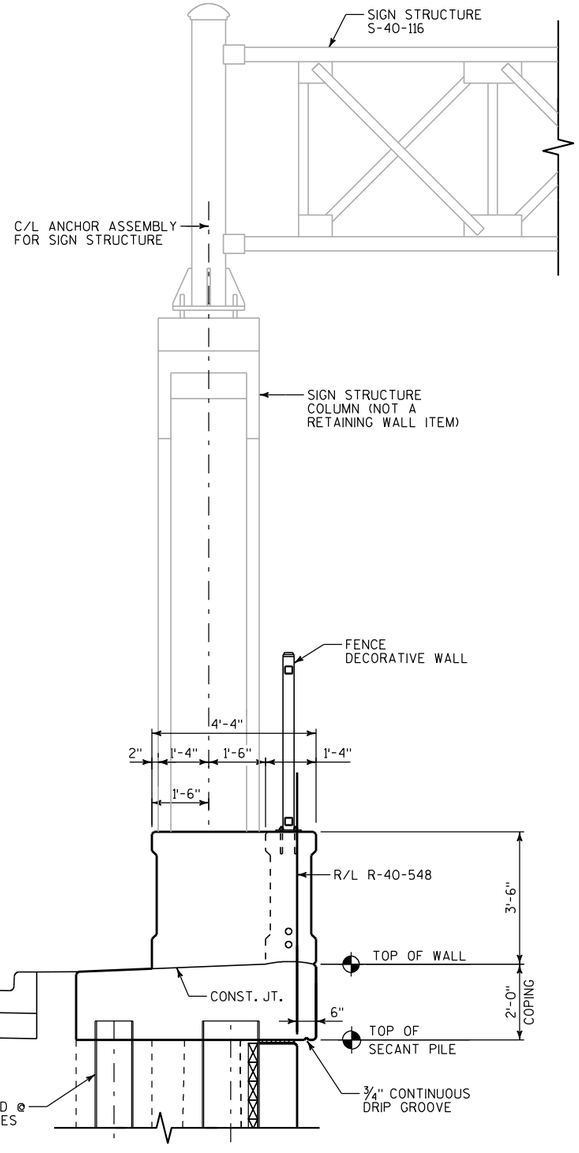
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



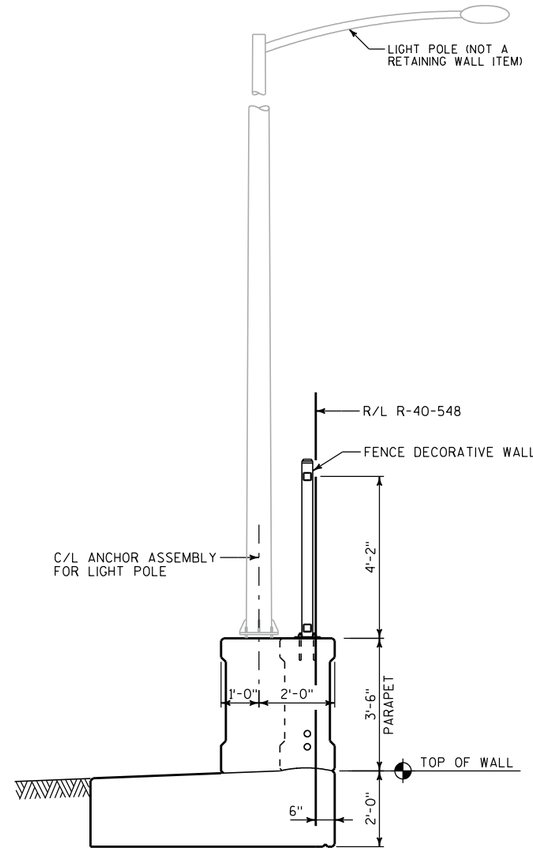
TYPICAL SECTION 6 - STA 23+92.82 to STA 29+62.82

(LOOKING UPSTATION)



AT SIGN STRUCTURE

STA 27+65.76 to STA 27+73.76



AT LIGHT SUPPORT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

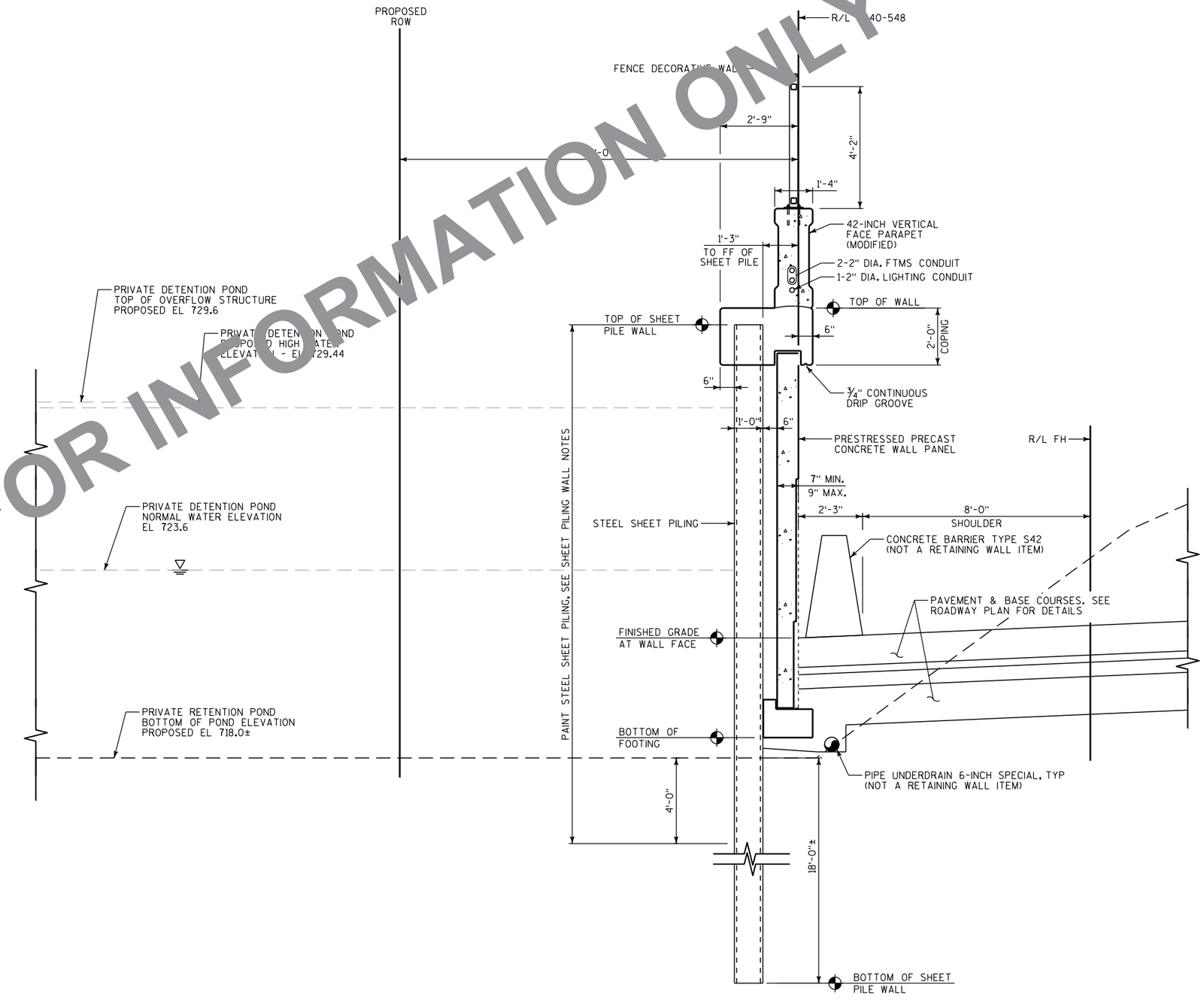
TYPICAL SECTION 6
UNIT 1
SEGMENT E

SHEET 15 OF 70

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PLOT DATE : 07-MAY-2014 10:15
PLOT BY : MSCKES
PLOT NAME : R40548_080206_ts
PLOT SCALE : 4:1

STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



SHEET PILING DATA TABLE

WALL R/L STA.	FINISHED GRADE AT WALL FACE	TOP OF WALL	TOP OF SHEET PILE	BOTTOM OF SHEET PILE WALL	SHEET PILE SECTION
29+62.82	723.84	733.02	732.52	700.00	PZ-27
29+75.32	723.56	733.01	732.51	700.00	PZ-27
29+87.82	723.32	732.99	732.49	700.00	PZ-27
30+02.82	723.03	732.92	732.42	700.00	PZ-27
30+17.82	722.76	732.86	732.36	700.00	PZ-27
30+32.82	722.51	732.80	732.30	700.00	PZ-27
30+47.82	722.25	732.73	732.23	700.00	PZ-27
30+62.82	722.01	732.67	732.17	700.00	PZ-27
30+77.82	721.77	732.61	732.11	700.00	PZ-27
30+92.82	721.56	732.54	732.04	700.00	PZ-27
31+07.82	721.36	732.48	731.98	700.00	PZ-27
31+22.82	721.15	732.42	731.92	700.00	PZ-27
31+37.82	720.98	732.35	731.85	700.00	PZ-27
31+52.82	720.81	732.29	731.79	700.00	PZ-27
31+67.82	720.64	732.23	731.73	700.00	PZ-27
31+82.82	720.47	732.16	731.66	700.00	PZ-27
31+97.82	720.30	732.10	731.60	700.00	PZ-27
32+10.32	720.18	732.05	731.55	700.00	PZ-27
32+22.82	720.06	732.00	731.50	700.00	PZ-27

TYPICAL SECTION 7 - STA 29+62.82 to STA 32+22.82

(LOOKING UPSTATION)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

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TYPICAL SECTION 7
UNIT 2

SHEET 16 OF 70

8

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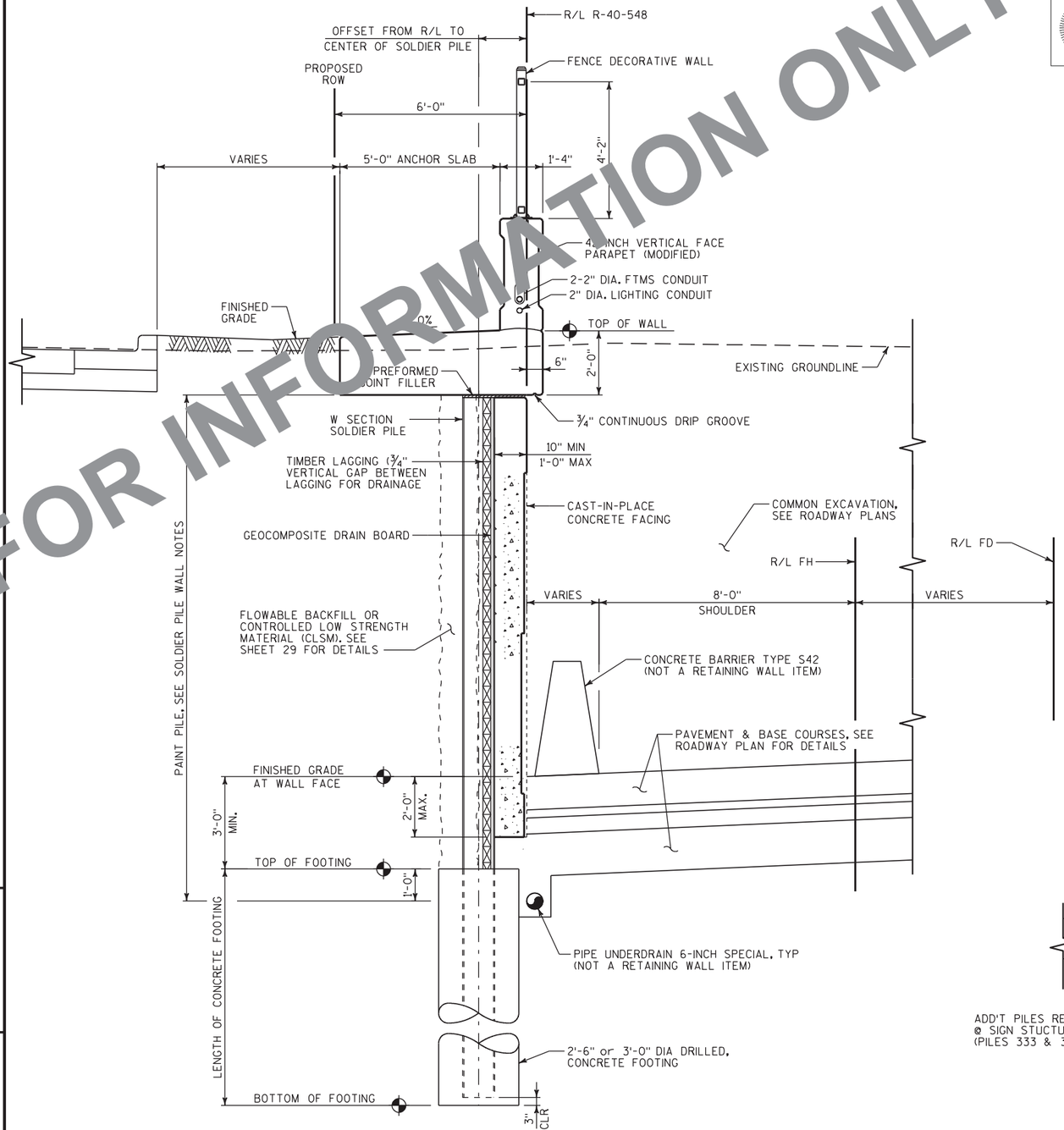
FOR INFORMATION ONLY

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
12/12/14



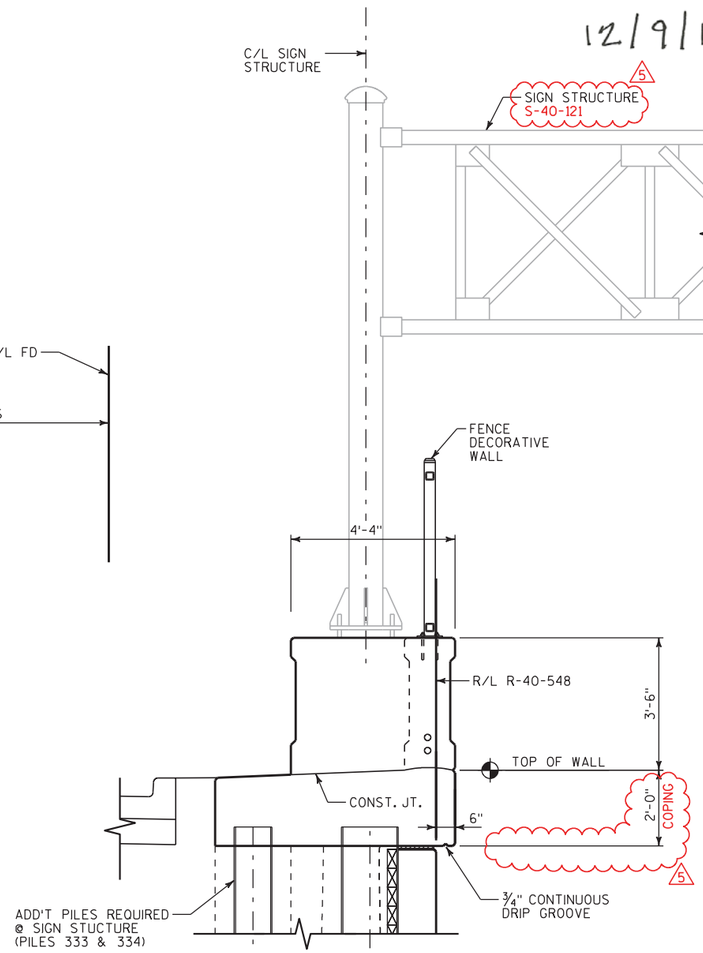
12/9/14

STATE PROJECT NUMBER
1060-33-80



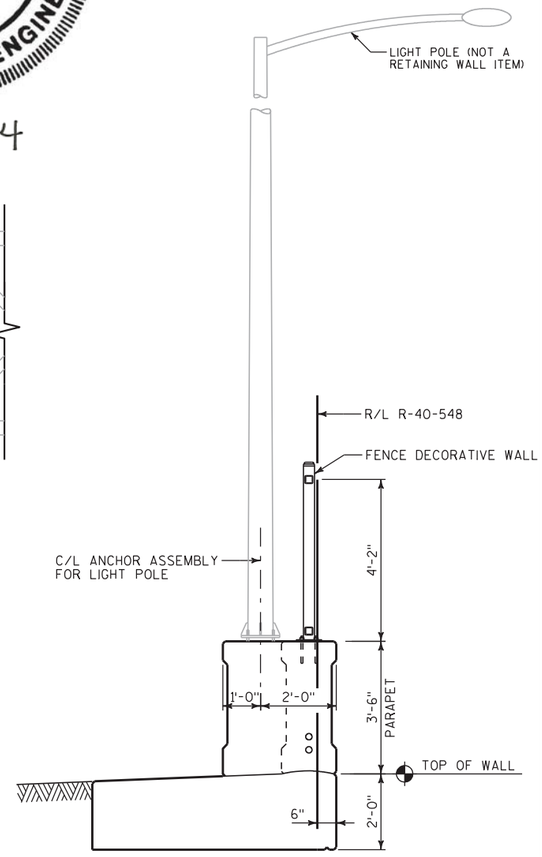
TYPICAL SECTION 8 - STA 32+22.82 to STA 36+12.82

(LOOKING UPSTATION)



AT SIGN STRUCTURE

STA 33+42.30 to STA 33+50.30



AT LIGHT SUPPORT

NO.	DATE	REVISION	BY
5	12/19/14	SIGN STRUCTURE CALLOUT REVISION	KES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

TYPICAL SECTION 8
UNIT 3
SEGMENT A

SHEET 17 OF 70

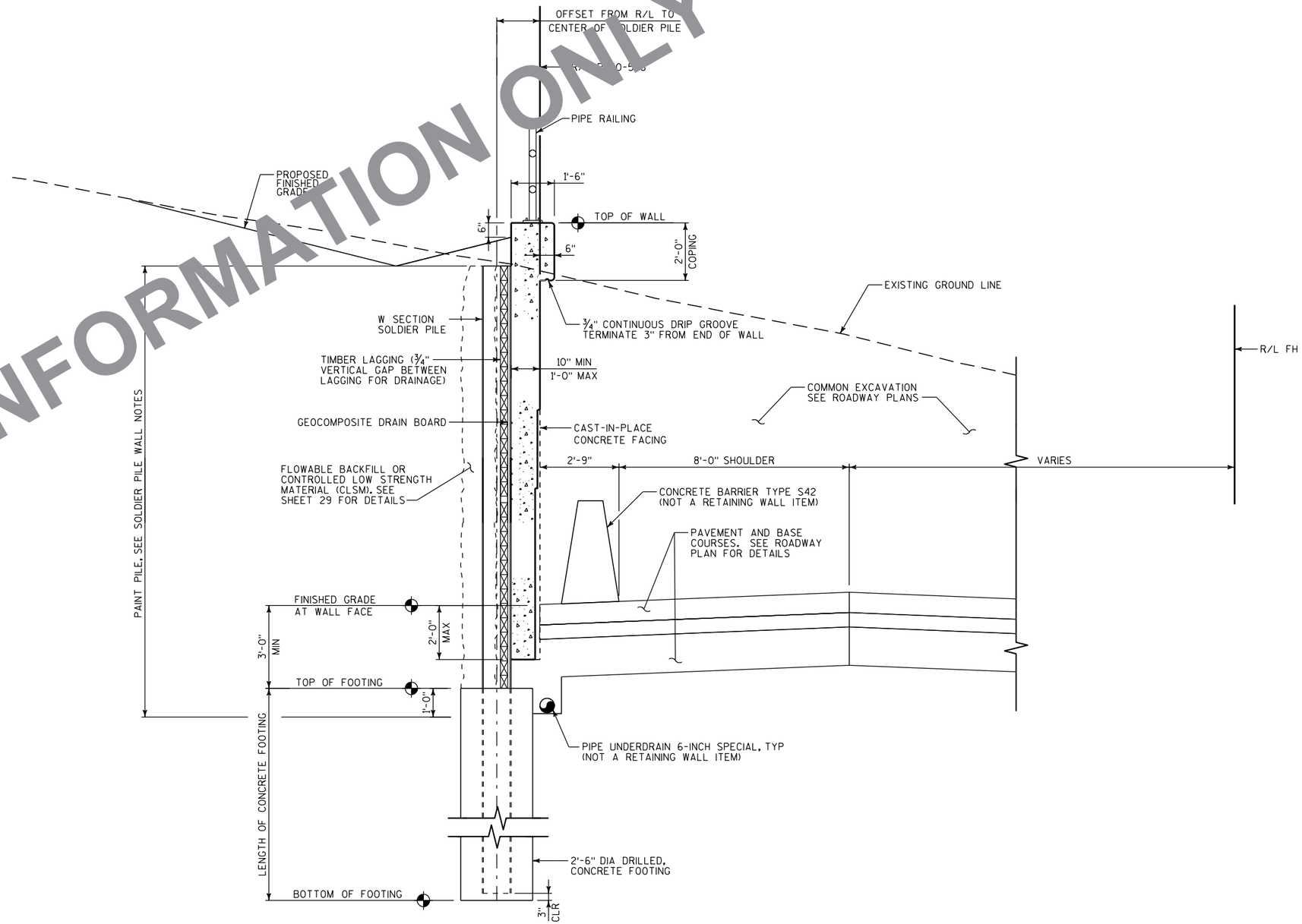
3074
6612

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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION 9 - STA 36+12.83 TO STA 36+70.32

(LOOKING UPSTATION)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY BHI | PLANS CK'D. KES

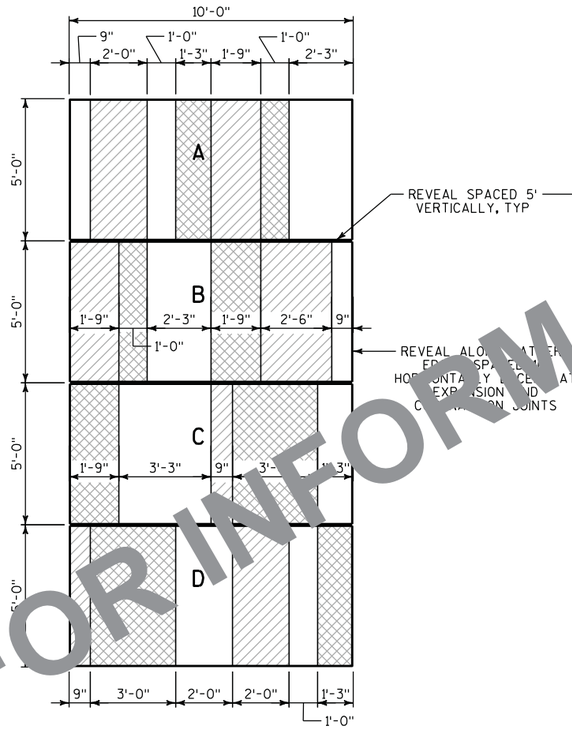
TYPICAL SECTION 9
UNIT 3
SEGMENT B

SHEET 18 OF 70

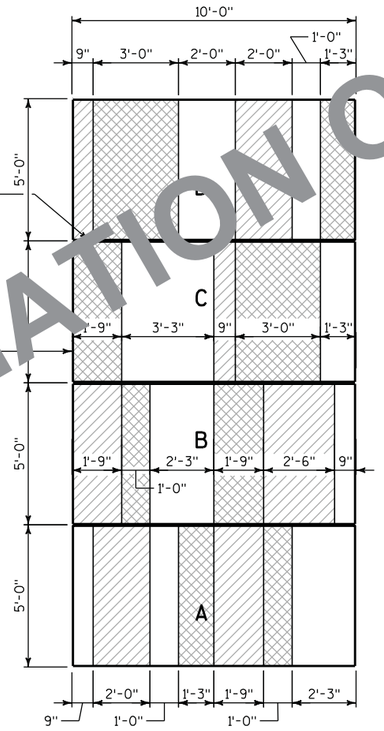
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PLOT DATE : 07-MAY-2014 10:15
PLOT BY : MSCKES
PLOT NAME : R40548_080209_ts
PLOT SCALE : 4:1

FOR INFORMATION ONLY

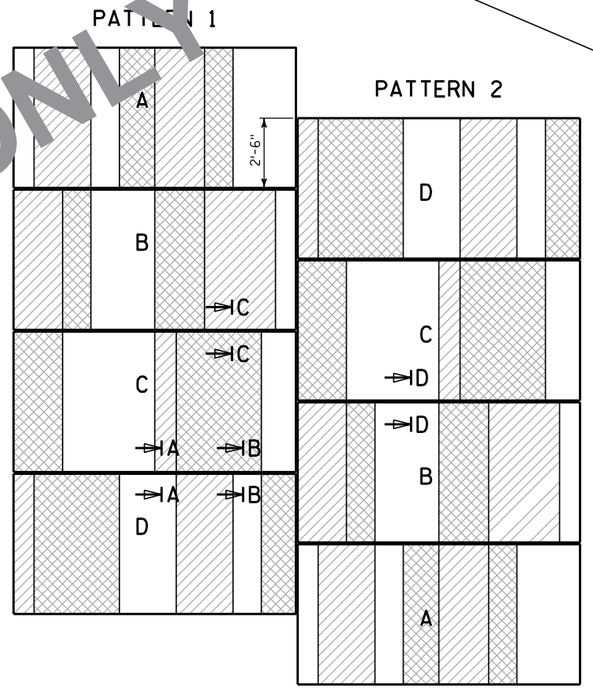
STATE PROJECT NUMBER
1060-33-80



CAST-IN-PLACE PATTERN 1

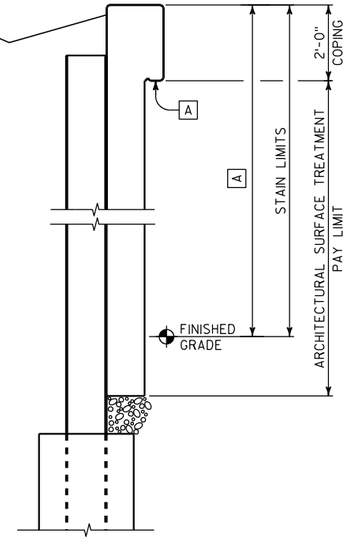


CAST-IN-PLACE PATTERN 2

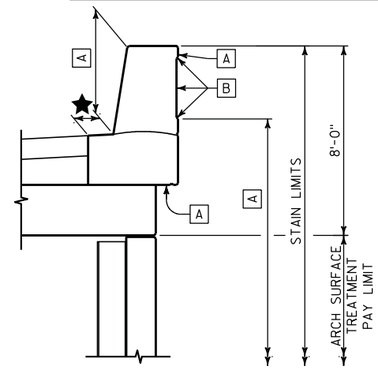


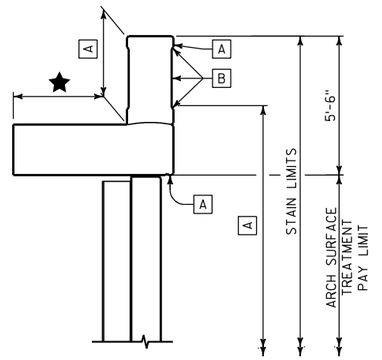
TYPICAL CAST-IN-PLACE PATTERN

PATTERN REPEATS 10' HORIZONTALLY, STAGGERED 2'-6" VERTICALLY REPEAT VERTICALLY AS REQUIRED



WALL STAINING DIAGRAM





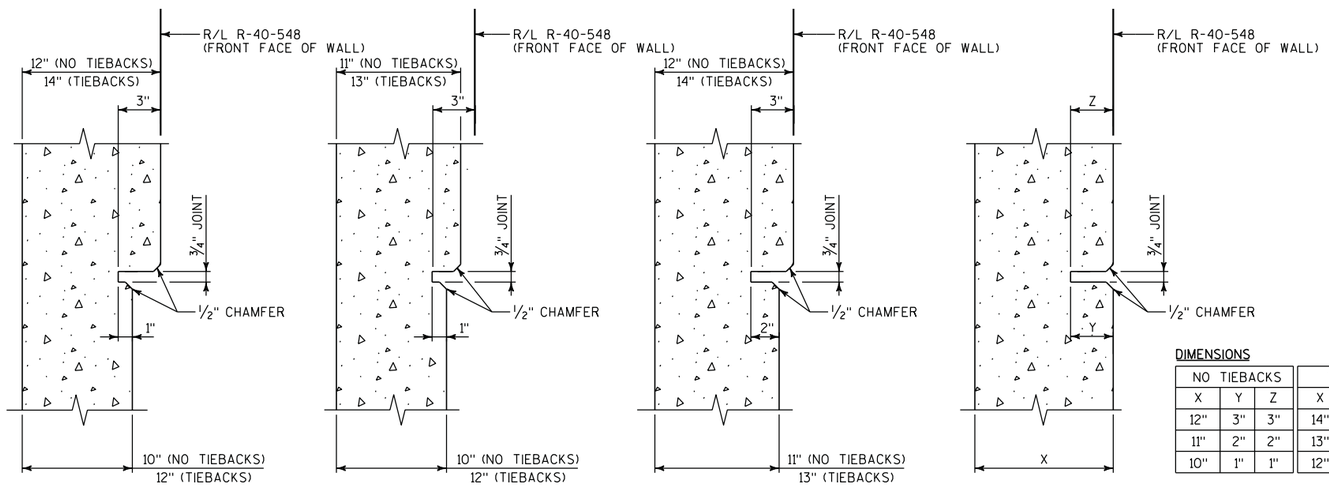
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		VERTICAL FACE PARAPETS	BOTH SIDES, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE

STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.
BASE COLOR - 33564

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



DIMENSIONS

NO TIEBACKS			TIEBACKS		
X	Y	Z	X	Y	Z
12"	3"	3"	14"	3"	3"
11"	2"	2"	13"	2"	2"
10"	1"	1"	12"	1"	1"

REVEAL SECTION A-A

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 2"

REVEAL SECTION B-B

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 1"

REVEAL SECTION C-C

CONCRETE FACING THICKNESS ADJACENT TO REVEAL VARIES BY 1"

REVEAL SECTION D-D

CONCRETE FACING THICKNESS ADJACENT TO REVEAL IS EQUAL

LEGEND

FACING THICKNESS		
	NO TIEBACKS	TIEBACKS
	10"	12"
	11"	13"
	12"	14"

★ PROTECTIVE SURFACE TREATMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-548

DRAWN BY TEK | PLANS CK'D. KES

AESTHETIC WALL TREATMENT DETAILS (3 OF 3)

SHEET 58 OF 70

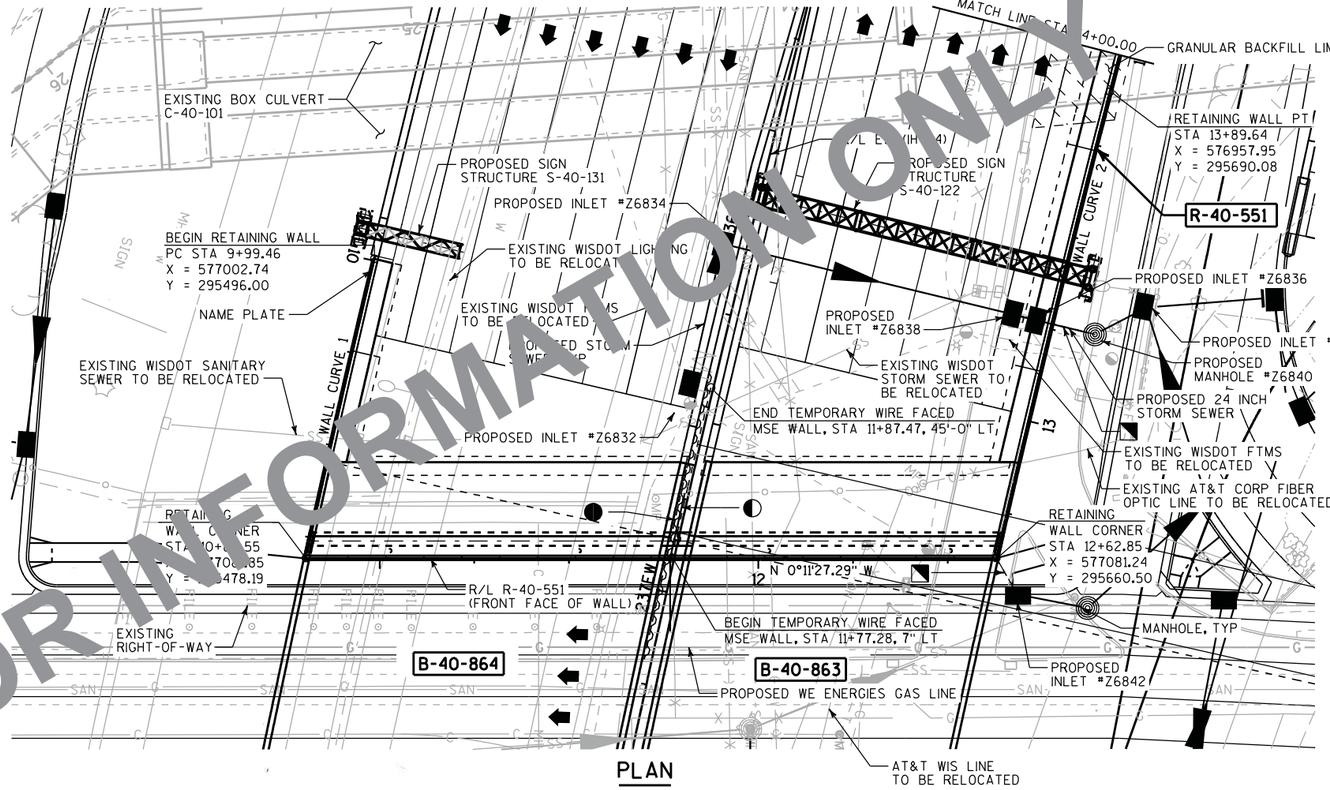
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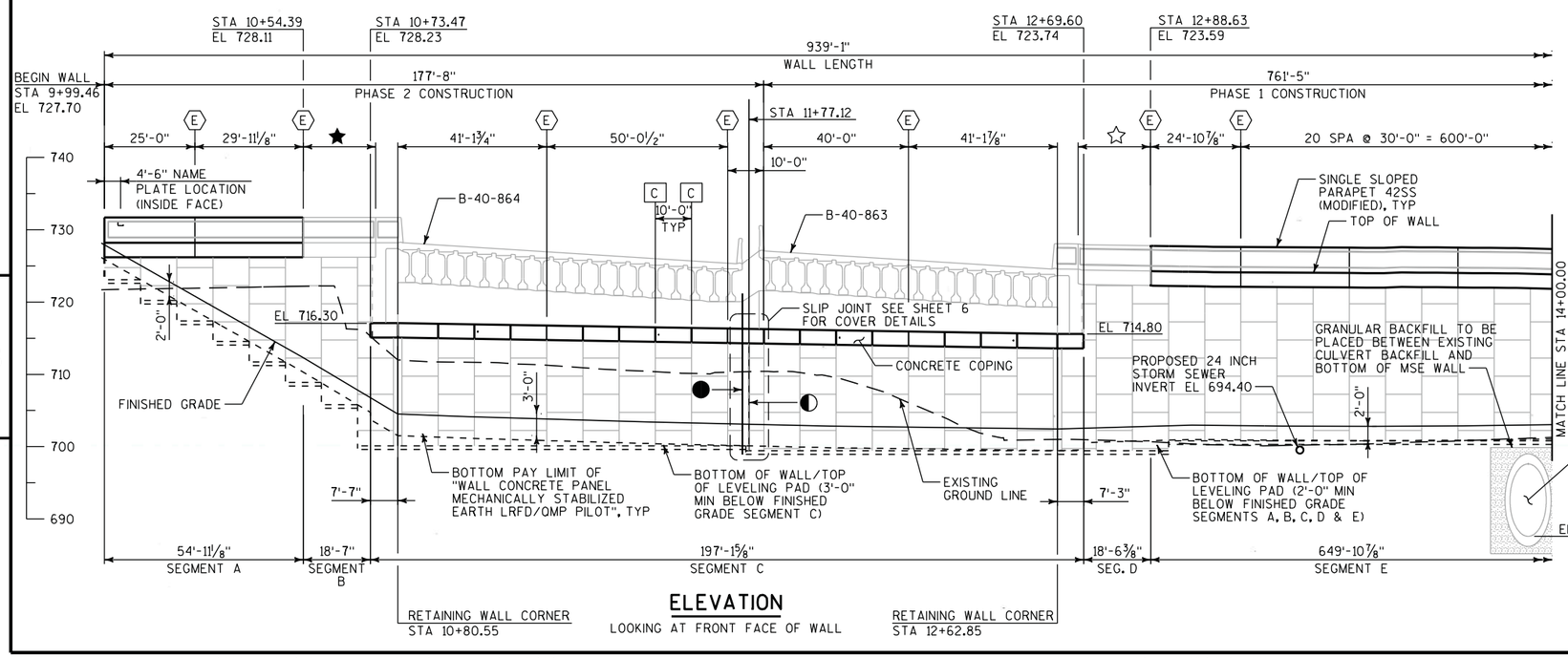
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN
(MSE RETAINING WALL)



ELEVATION
LOOKING AT FRONT FACE OF WALL

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY) ____ 240 PSF

MATERIAL PROPERTIES:
CONCRETE MASONRY RETAINING WALL ____ f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS ____ f'c = 4,000 PSI
BAR STEEL REINFORCEMENT _____ Fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE ABUTMENT BODY (SEGMENT C) TO RESIST THE FORCE FROM ALL HORIZONTAL EARTH PRESSURE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS INCLUDING THE VERTICAL EARTH SURCHAGE LOAD ABOVE THE BEAM SEATS AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL OUTSIDE OF THE WEST ABUTMENT LIMITS OF BRIDGES B-40-863 AND B-40-864 FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 2)
2. GENERAL PLAN & ELEVATION (2 OF 2)
3. GENERAL NOTES, QUANTITIES & PROFILE GRADE LINES
4. TYPICAL WALL SECTION (1 OF 3)
5. TYPICAL WALL SECTION (2 OF 3)
6. TYPICAL WALL SECTION (3 OF 3)
7. ELEVATION TABLES & REINFORCEMENT SCHEDULE
8. PARAPET, COPING & ANCHOR SLAB DETAILS
9. SEGMENT A REINFORCEMENT DETAILS
10. SEGMENT C REINFORCEMENT DETAILS
11. SEGMENT E REINFORCEMENT DETAILS (1 OF 3)
12. SEGMENT E REINFORCEMENT DETAILS (2 OF 3)
13. SEGMENT E REINFORCEMENT DETAILS (3 OF 3)
14. INLET DETAILS
15. ANCHOR SLAB INLET COVER SPECIAL
16. AESTHETIC WALL TREATMENT DETAILS (1 OF 2)
17. AESTHETIC WALL TREATMENT DETAILS (2 OF 2)
18. SUBSURFACE EXPLORATION (1 OF 2)
19. SUBSURFACE EXPLORATION (2 OF 2)

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- [C] CONTRACTION JOINT IN COPING
- TRAFFIC DIRECTION
- TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH, SEE TYPICAL WALL SECTIONS (3 OF 3) SHEET FOR DETAILS
- TEMPORARY SHORING, SEE DETAIL ON TYPICAL SECTIONS (3 OF 3) SHEET FOR DETAILS
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO INLET
- ★ STRUCTURAL APPROACH SLAB, SEE STRUCTURE B-40-864 PLANS FOR DETAILS
- ☆ STRUCTURAL APPROACH SLAB, SEE STRUCTURE B-40-863 PLANS FOR DETAILS



STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-551

RETAINING WALL W. OF 84TH ST. UNDER IH-94

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EKM	AAG	BHI	EKM

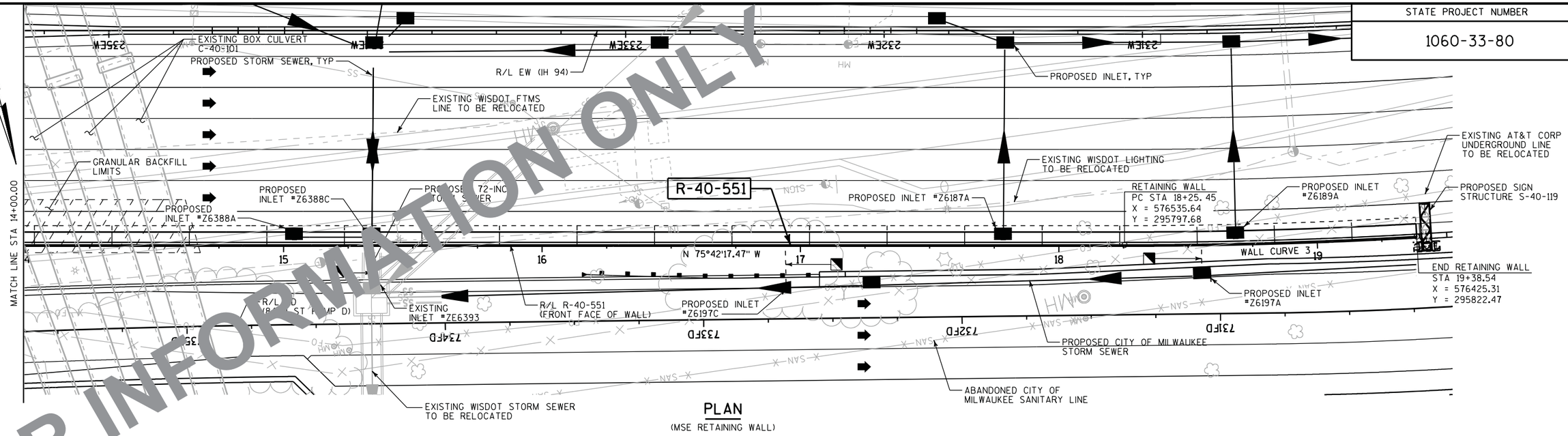
GENERAL PLAN & ELEVATION (1 OF 2)

SHEET 1 OF 19

8 8

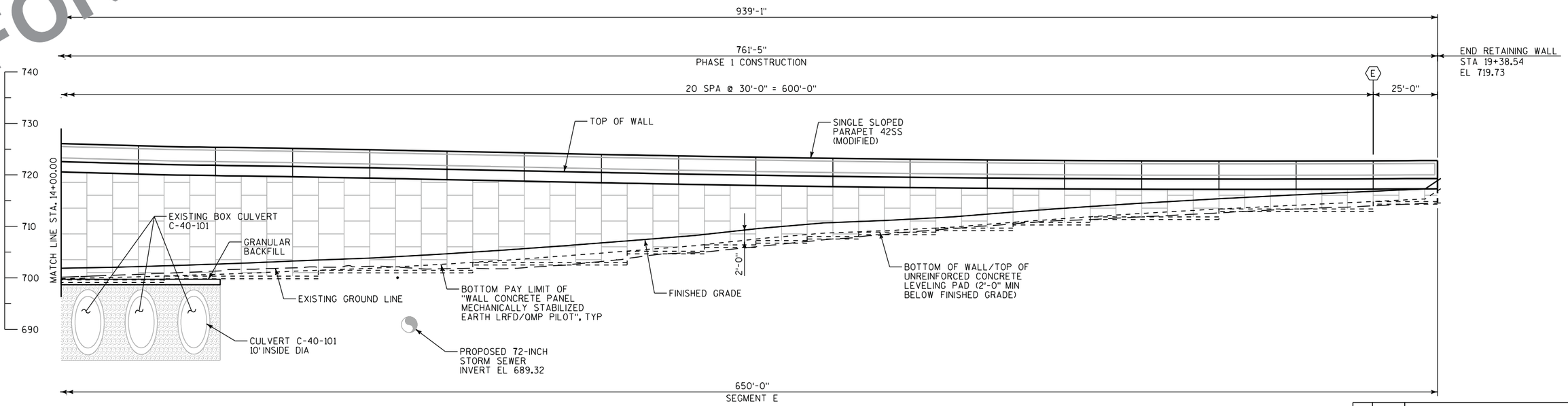
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

(MSE RETAINING WALL)



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO PROPOSED DRAINAGE STRUCTURE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-551

DRAWN BY BHI | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (2 OF 2)

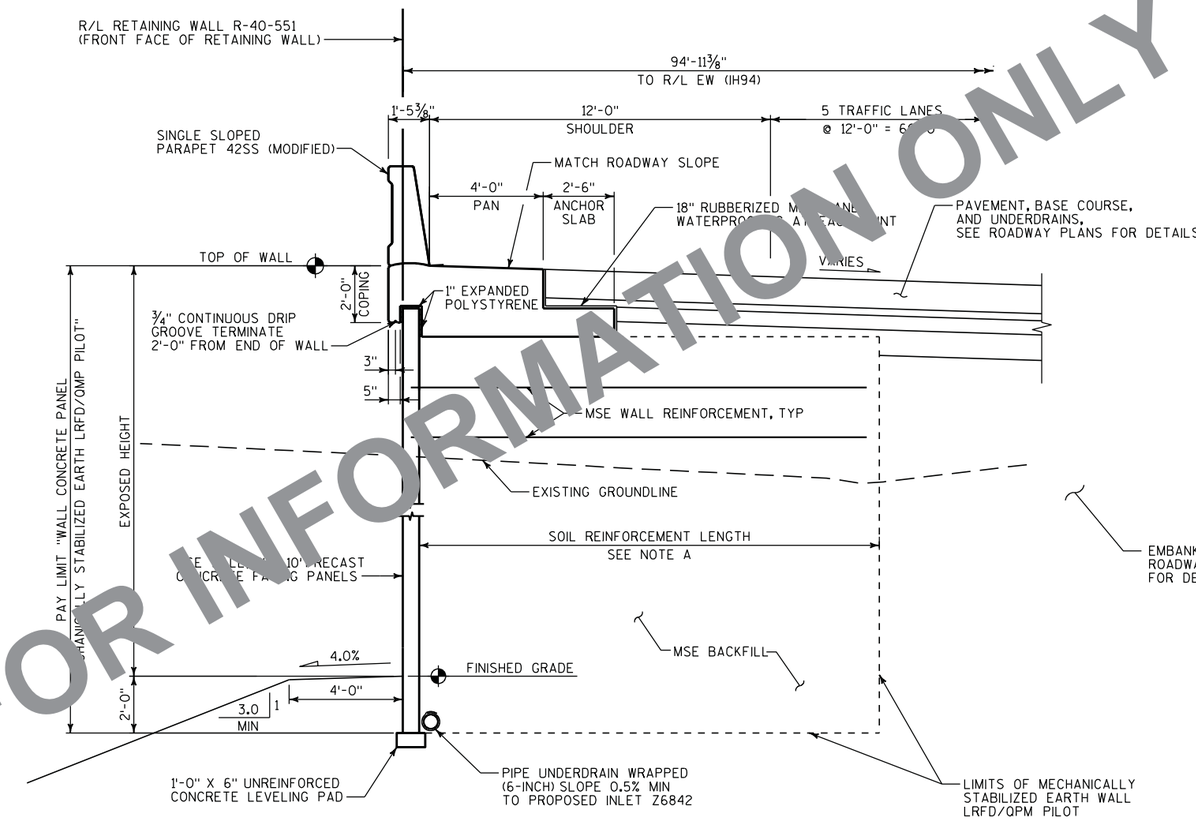
SHEET 2 OF 19

6616

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PLOT NAME : R551_080102_gp
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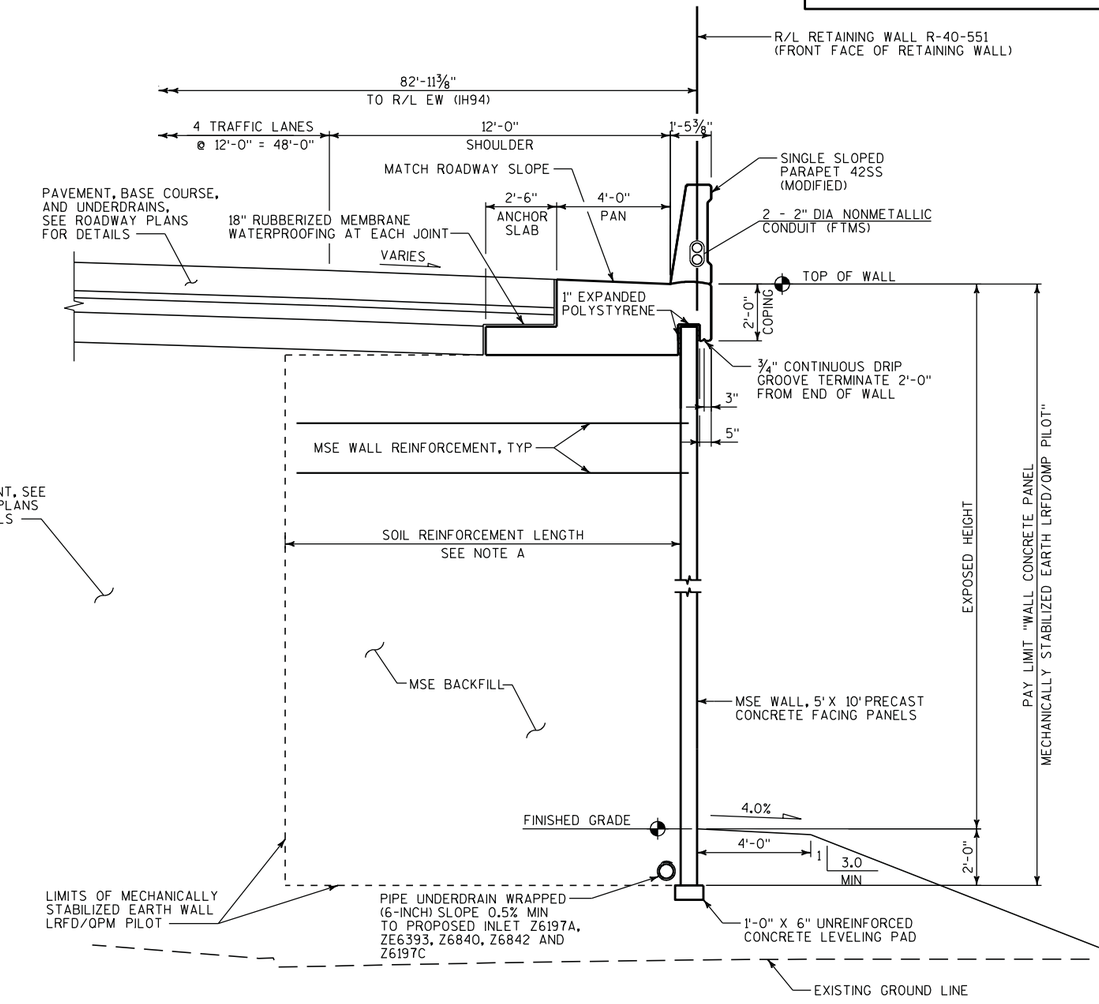
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



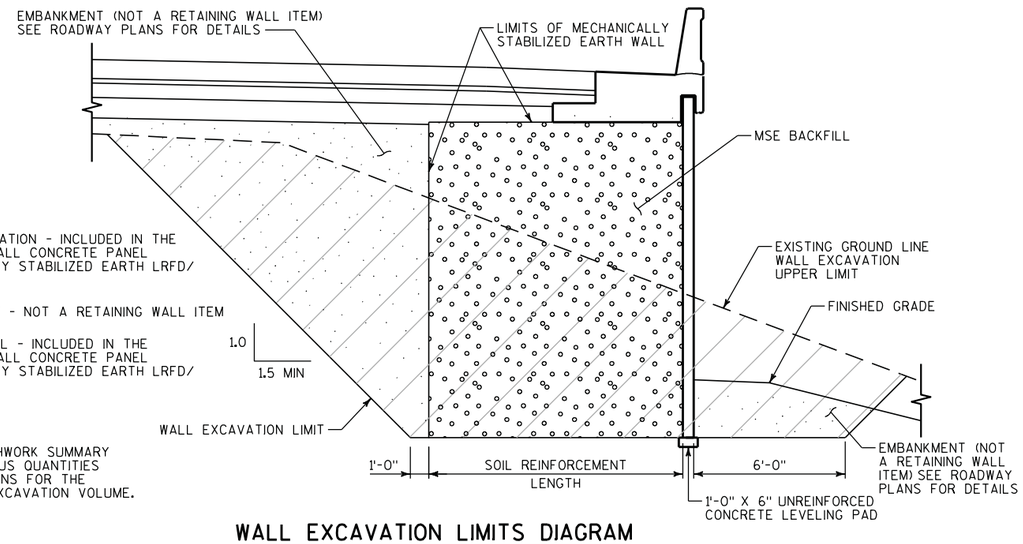
SEGMENT A - TYPICAL WALL SECTIONS

LOOKING WEST - STA 9+99.46 TO STA 10+54.39



SEGMENT E - TYPICAL WALL SECTIONS

LOOKING WEST - STA 12+88.63 TO STA 19+38.54



WALL EXCAVATION LIMITS DIAGRAM

LEGEND

- WALL EXCAVATION - INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/ OMP PILOT"
- EMBANKMENT - NOT A RETAINING WALL ITEM
- MSE BACKFILL - INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/ OMP PILOT"

NOTE

REFER TO THE EARTHWORK SUMMARY OF THE MISCELLANEOUS QUANTITIES IN THE ROADWAY PLANS FOR THE CALCULATED WALL EXCAVATION VOLUME.

NOTE A

SEE WALL EXTERNAL STABILITY TABLE ON SHEET 5 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-551

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TYPICAL WALL SECTIONS (1 OF 3)

SHEET 4 OF 19

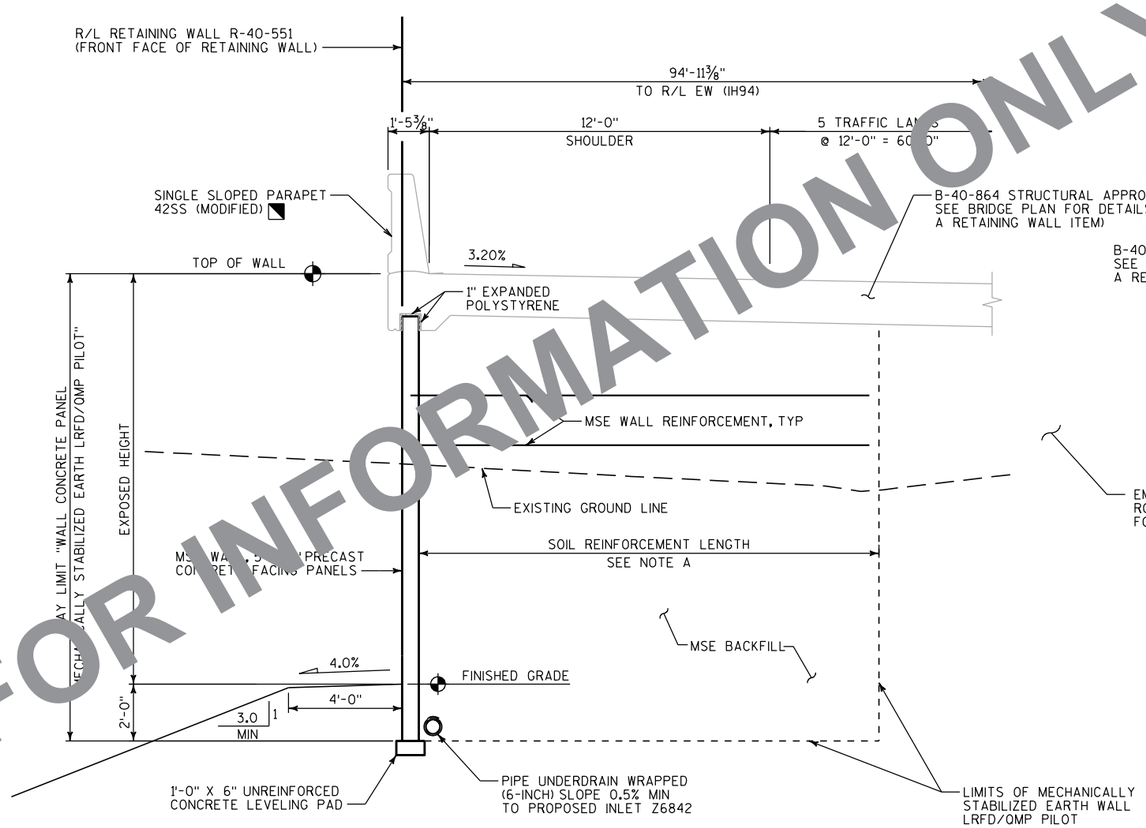
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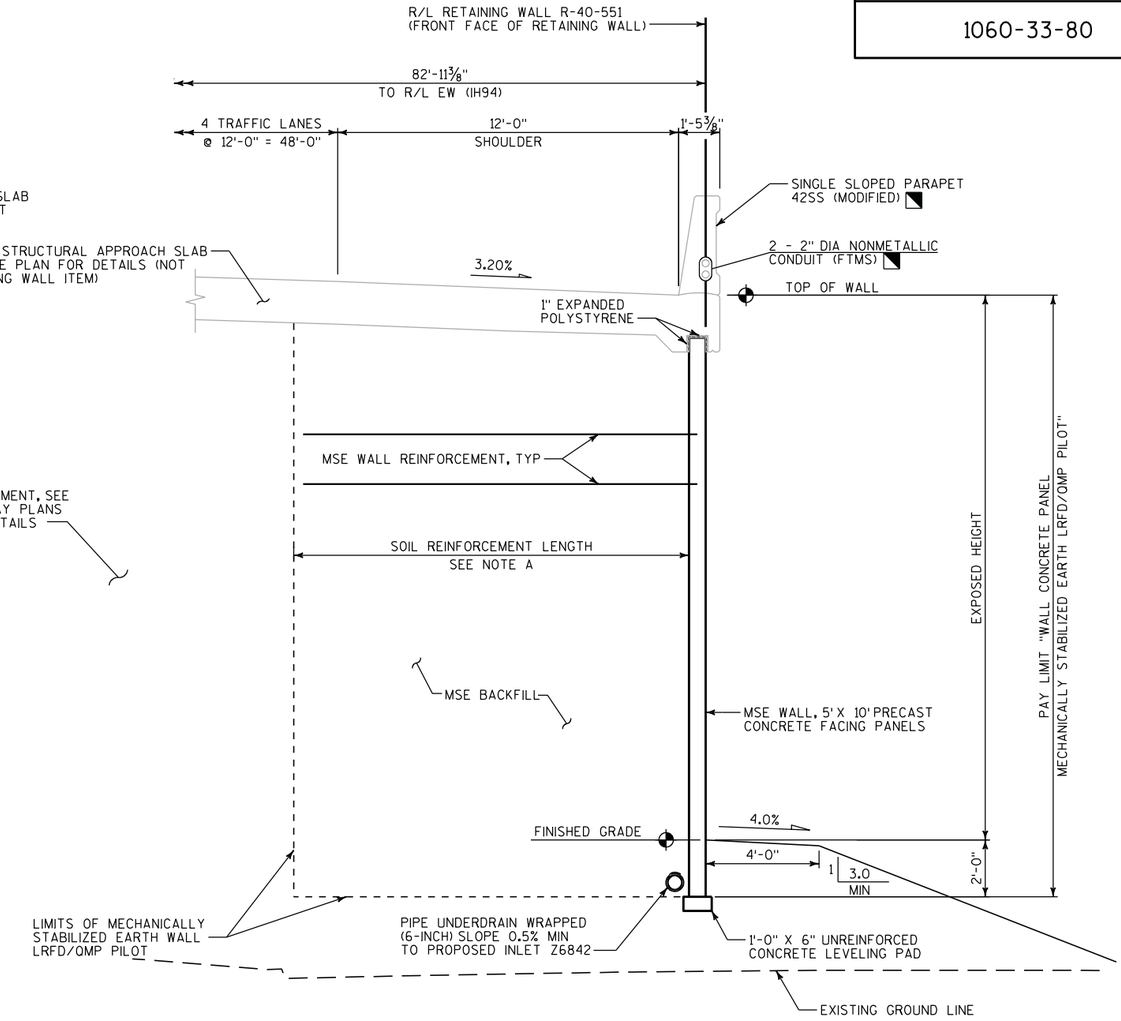
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



SEGMENT B - TYPICAL WALL SECTIONS

LOOKING WEST - STA 10+54.39 TO STA 10+73.47



SEGMENT D - TYPICAL WALL SECTIONS

LOOKING WEST - STA 12+69.60 TO STA 12+88.63

NOTE A

SEE WALL EXTERNAL STABILITY TABLE ON THIS SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

SOIL PARAMETERS

SOIL DESCRIPTION	UNIT WEIGHT (PCF)	SHORT-TERM (UNDRAINED)		LONG-TERM (DRAINED)	
		UNDRAINED SHEAR STRENGTH (PSF)	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	EFFECTIVE FRICTION ANGLE (DEGREES)
MSE BACKFILL ⚹	120	0	30	0	30
PROPOSED FILL ⚹	130	0	30	0	30
GRANULAR FILL	130	0	28	0	28
COHESIVE FILL	120-135	1500-2000	0	0-100	29-32
NATIVE COHESIVE - (VERY STIFF TO HARD)	135	2250	0	100	32
LOOSE TO MED DENSE NATIVE GRANULAR	133	0	32	0	32
MED DENSE TO DENSE NATIVE GRANULAR	133-135	0	32-34	0	32-34

⚹ DESIGN WALL FOR THESE VALUES

WALL EXTERNAL STABILITY EVALUATION

DIMENSIONS						
WALL HEIGHT (FEET)	18.0	16.0	14.0	25.0	23.0	15.5
EXPOSED WALL HEIGHT (FEET)	16.0	16.0	11.0	23.0	21.0	13.5
MINIMUM LENGTH OF REINFORCEMENT (FEET) ⚹	12.6	18.9	18.2	17.5	20.0	10.9
WALL STATION	10+50	11+25	12+25	12+75	14+75	16+50
BORING USED	EB-16	EB-14, EB-16	EB-12, EB-14	EB-12, EC-2	ER-26	ER-27
CAPACITY TO DEMAND RATIO (CDR)						
SLIDING (CDR > 1.0)	1.1	1.5	1.5	1.1	1.4	1.1
ECCENTRICITY (CDR > 1.0)	1.3	2.9	1.7	1.4	2.1	1.2
BEARING (CDR > 1.0)	1.4	1.5	1.6	1.8	1.0	1.6
GLOBAL STABILITY (CDR > 1.0)	1.1	1.2	1.2	1.1	1.1	1.1

⚹ MINIMUM LENGTH APPLIES ONLY AT CORRESPONDING WALL STATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

LEGEND

NOT A RETAINING WALL ITEM

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-551

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TYPICAL WALL SECTIONS (2 OF 3)

SHEET 5 OF 19

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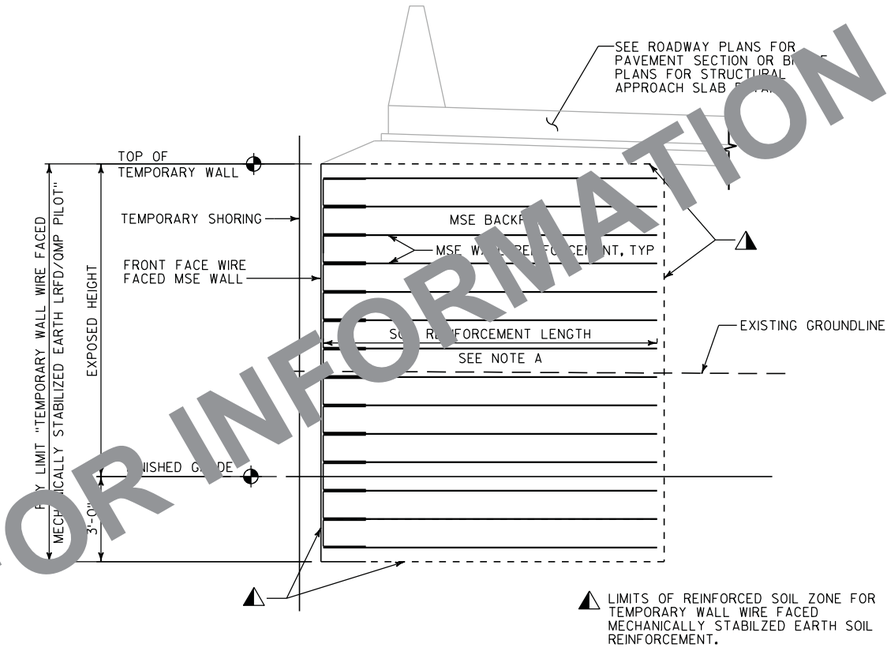
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

NOTE A

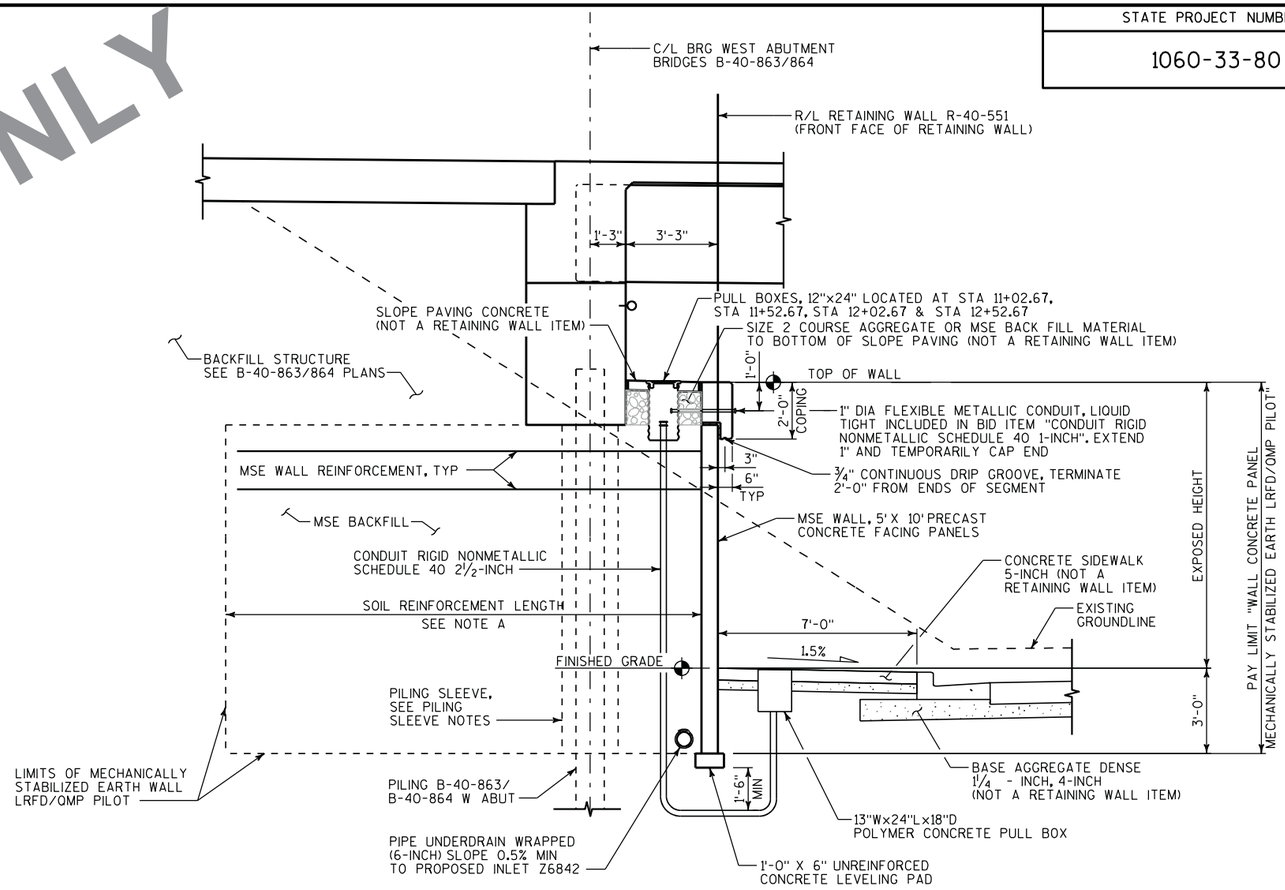
SEE WALL EXTERNAL STABILITY TABLE ON SHEET 5 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.



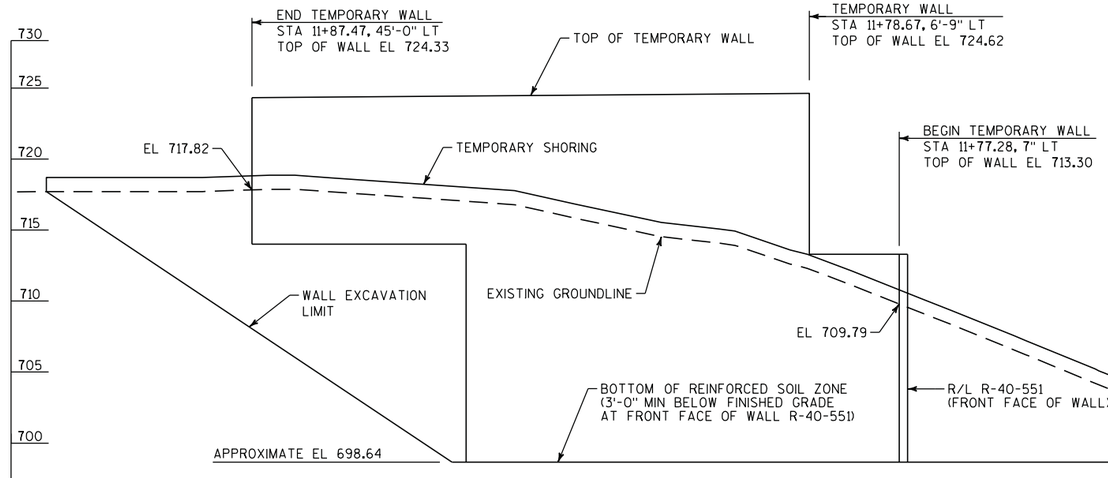
WIRE FACED WALL - TYPICAL SECTION

LOOKING WEST - STA 11+77.28, 7" LT TO STA 11+87.47, 45'-0" LT



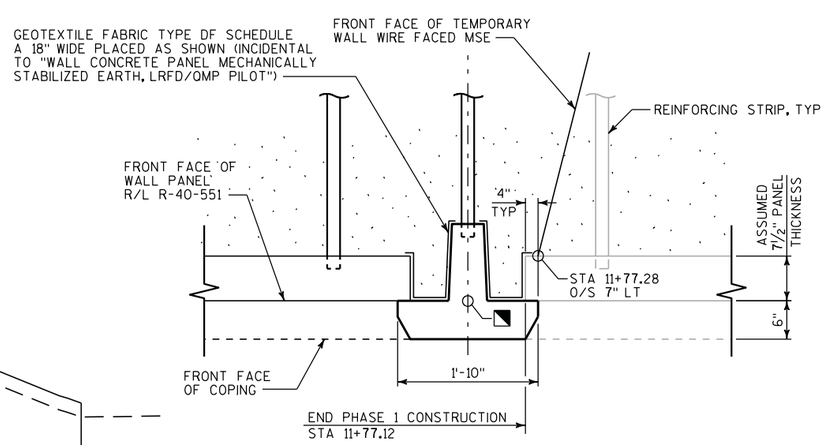
TYPICAL SECTION AT B-40-863/864 WEST ABUTMENT

(LOOKING NORTH - SEGMENT C STA 10+72.97 TO STA 12+70.10)



ELEVATION AT TEMPORARY WALL AND TEMPORARY SHORING

LOOKING NORTH



SLIP JOINT COVER DETAIL

(SLIP JOINT COVER INCIDENTAL TO "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH, LRFD / QMP PILOT")

C/L SLIP JOINT COVER STA 11+76.70

PILING SLEEVE NOTES

1. COORDINATE SLEEVE LOCATIONS WITH BRIDGE B-40-863 AND B-40-864 PLANS.
2. SLEEVES SHALL BE PLACED FROM LOWER LIMITS OF EXCAVATION FOR MSE REINFORCED ZONE TO BOTTOM OF ABUTMENT.
3. SLEEVES SHALL BE PLACED BEFORE BACKFILL IS STARTED AND SHALL BE ADEQUATELY BRACED TO MAINTAIN POSITION WITHIN ± 2" AS BACKFILL PROCEEDS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE R-40-551

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TYPICAL WALL SECTIONS (3 OF 3)

SHEET 6 OF 19

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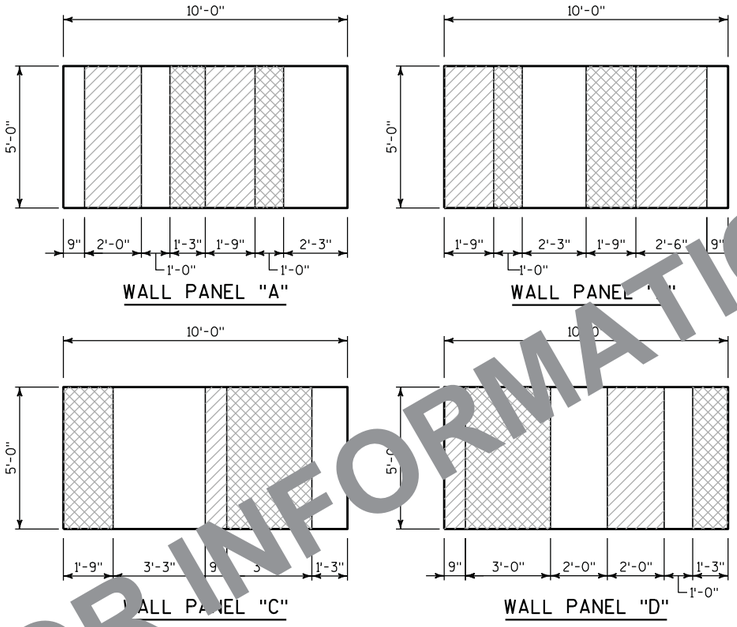
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FOR INFORMATION ONLY

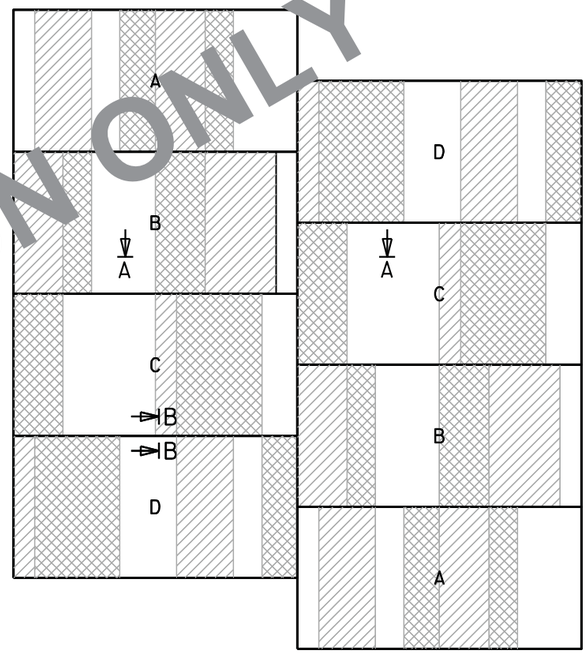
STATE PROJECT NUMBER

1060-33-80

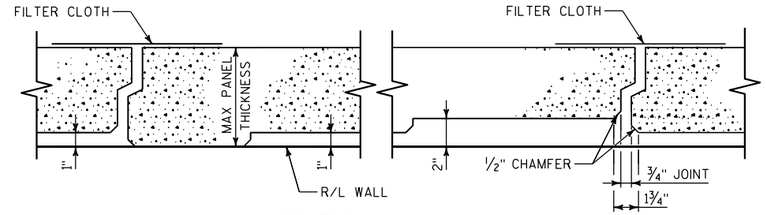
CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN



SECTION A-A

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"

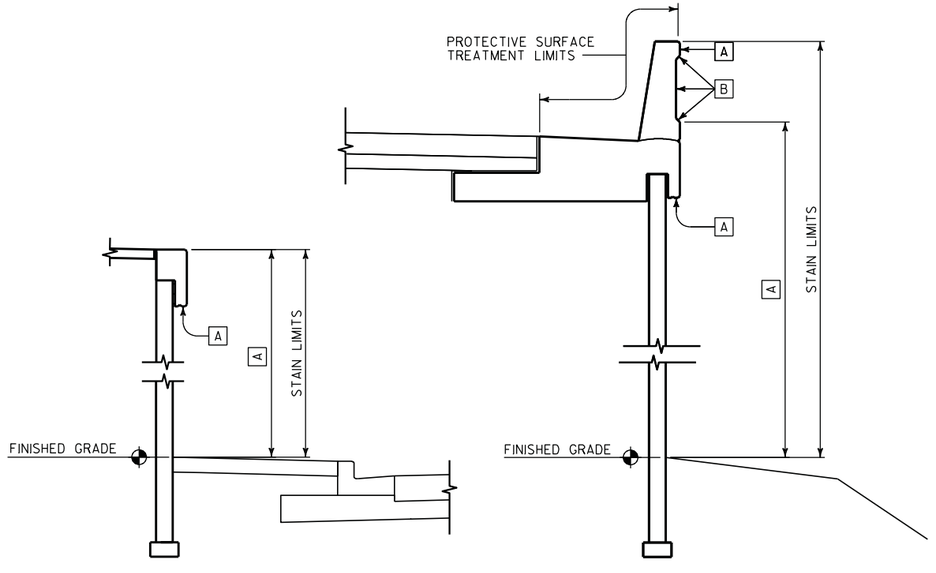
CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS
F	ACCENT COLOR 5	WALLS	WALL PANEL ARTWORK DETAILS

STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.

BASE COLOR - 33564
ACCENT COLOR 1 - 33448
ACCENT COLOR 5 - SHERWIN WILLIAMS SW 6523



MSE WALL STAINING DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-551

DRAWN BY MS | PLANS CK'D. EKM

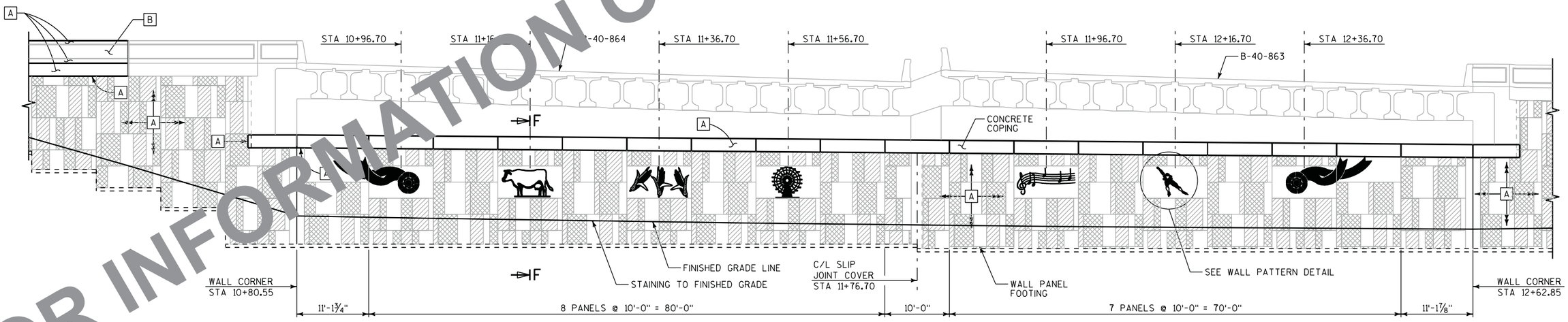
AESTHETIC WALL TREATMENT DETAILS (1 OF 2)

SHEET 16 OF 19

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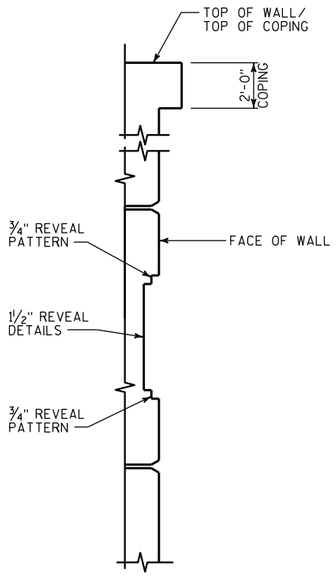
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



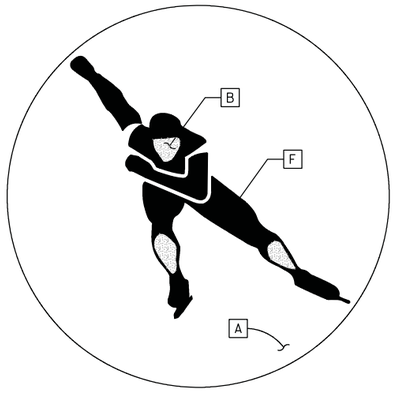
ELEVATION

(LOOKING WEST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG FRONT FACE OF WALL)



SECTION F-F

RELIEF PATTERN DETAIL



WALL PATTERN DETAIL

LEGEND

- PANEL THICKNESS - 1½"
- PANEL THICKNESS - ¾"
- PANEL THICKNESS - 0"

NOTES

ELECTRONIC FILES OF THE DECORATIVE PATTERNS ARE AVAILABLE FROM:
WISCONSIN DEPARTMENT OF TRANSPORTATION
JAMES KEEGAN P.E., 141 NW BARSTOW STREET, WAUKESHA, WISCONSIN 53187, (414) 750-3311

SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-551".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-551

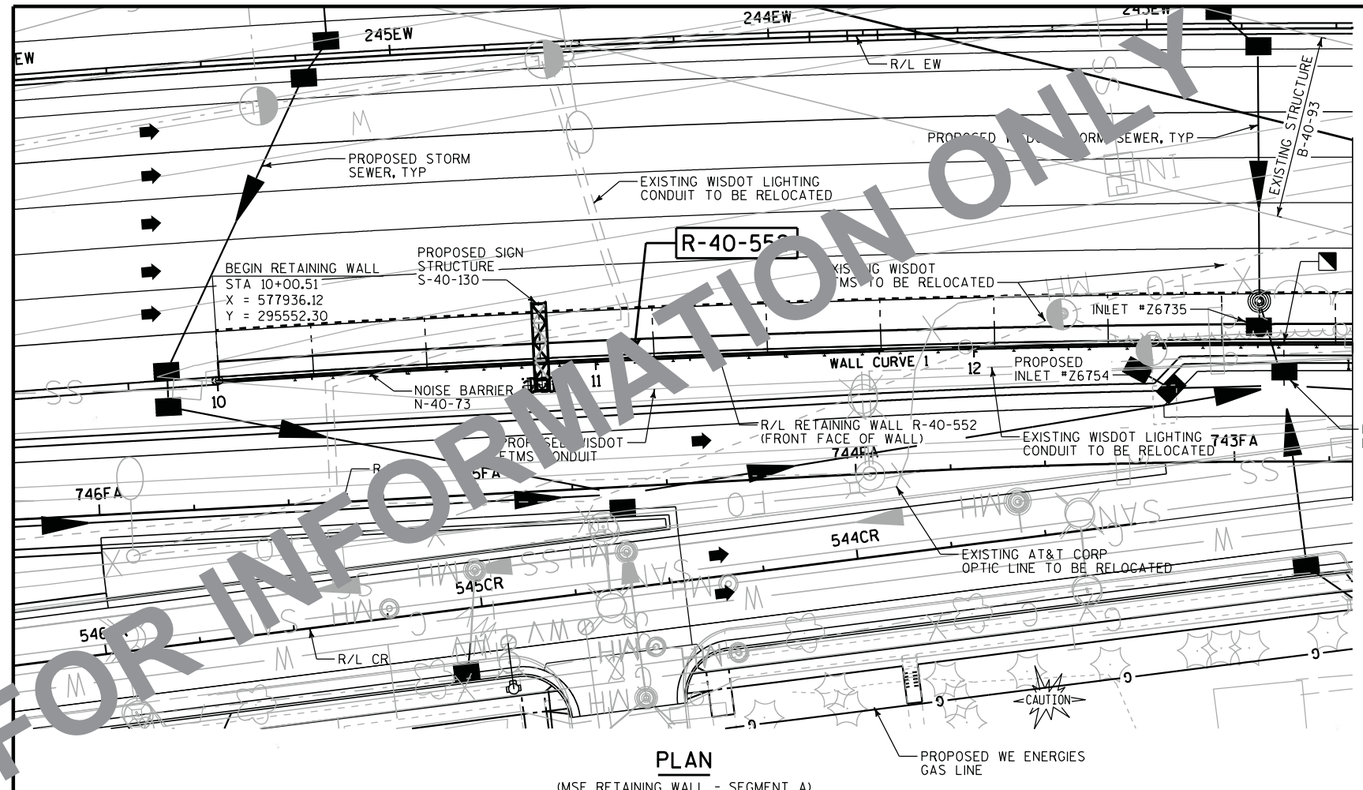
DRAWN BY TEK | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS (2 OF 2)

SHEET 17 OF 19

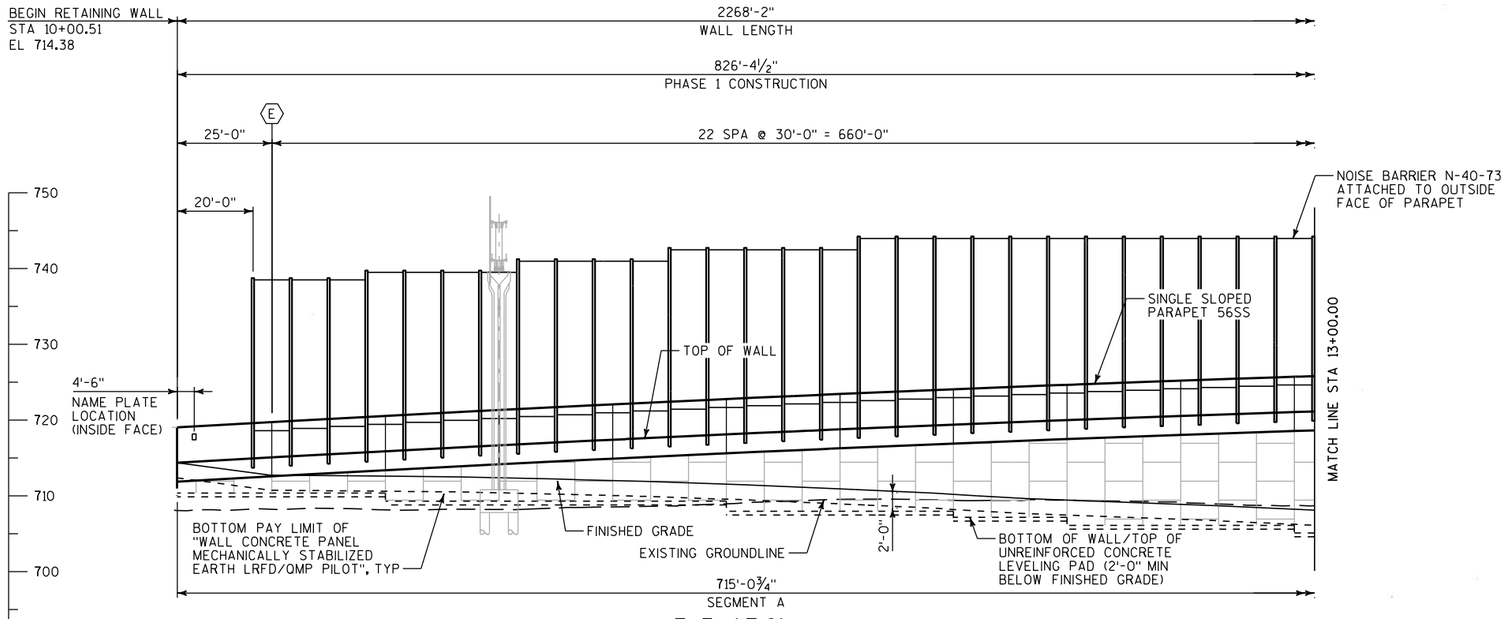
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PLAN

(MSE RETAINING WALL - SEGMENT A)



ELEVATION

(LOOKING SOUTH AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY) ___ 240 PSF

NOISE BARRIER:
CASE 1 - MAX HEIGHT ABOVE ROADWAY BARRIER - 18 FEET
MAX. POST SPACING - 10 FEET
CASE 2 - MAX HEIGHT ABOVE ROADWAY BARRIER - 20 FEET
MAX. POST SPACING - 10 FEET
NOISE BARRIER DEAD LOAD _____ 40 PSF
WIND PRESSURE ON NOISE BARRIER _____ 37.5
(NORMAL TO BARRIER, EITHER DIRECTION)

MATERIAL PROPERTIES:
CONCRETE MASONRY RETAINING WALL ___ f'c = 4,000 PSI
PRECAST CONCRETE WALL PANELS ___ f'c = 4,000 PSI
BAR STEEL REINFORCEMENT _____ Fy = 60,000 PSI

DESIGN THE MSE WALL IN FRONT OF THE ABUTMENT BODY (SEGMENT C) TO RESIST THE FORCE FROM ALL HORIZONTAL EARTH PRESSURE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS INCLUDING THE VERTICAL EARTH SURCHARGE LOAD ABOVE THE BEAM SEATS AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL OUTSIDE THE WEST ABUTMENT LIMITS OF BRIDGES B-40-863 AND B-40-864 FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 5)
2. GENERAL PLAN & ELEVATION (2 OF 5)
3. GENERAL PLAN & ELEVATION (3 OF 5)
4. GENERAL PLAN & ELEVATION (4 OF 5)
5. GENERAL PLAN & ELEVATION (5 OF 5)
6. GENERAL NOTES, QUANTITIES, & PROFILE GRADE LINES
7. TYPICAL WALL SECTIONS (1 OF 3)
8. TYPICAL WALL SECTIONS (2 OF 3)
9. TYPICAL WALL SECTIONS (3 OF 3)
10. ELEVATION TABLES & REINFORCEMENT SCHEDULE
11. PARAPET, COPING & ANCHOR SLAB DETAILS (1 OF 2)
12. PARAPET, COPING & ANCHOR SLAB DETAILS (2 OF 2)
13. SEGMENT A REINFORCEMENT DETAILS (1 OF 2)
14. SEGMENT A REINFORCEMENT DETAILS (2 OF 2)
15. SEGMENT C REINFORCEMENT DETAILS
16. SEGMENT E REINFORCEMENT DETAILS
17. SEGMENT A INLET DETAILS
18. SEGMENT E INLET DETAILS
19. ANCHOR SLAB INLET COVER SPECIAL
20. NOISE BARRIER POST CONNECTION DETAILS
21. AESTHETIC WALL TREATMENT DETAILS (1 OF 2)
22. AESTHETIC WALL TREATMENT DETAILS (2 OF 2)
23. SUBSURFACE EXPLORATION (1 OF 5)
24. SUBSURFACE EXPLORATION (2 OF 5)
25. SUBSURFACE EXPLORATION (3 OF 5)
26. SUBSURFACE EXPLORATION (4 OF 5)
27. SUBSURFACE EXPLORATION (5 OF 5)

LEGEND

(E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET

TRAFFIC DIRECTION

PIPE UNDERDRAIN UNPERFORATED 6-INCH, CONNECT TO INLET

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

WISCONSIN
EDWARD K. McCRIGHT
E37422
MILWAUKEE, WI
5/2/14
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/09/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-552

RETAINING WALL EAST OF 84TH ST. UNDER IH-94

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EKM	AAG	TEK	EKM

GENERAL PLAN & ELEVATION (1 OF 5)

SHEET 1 OF 27

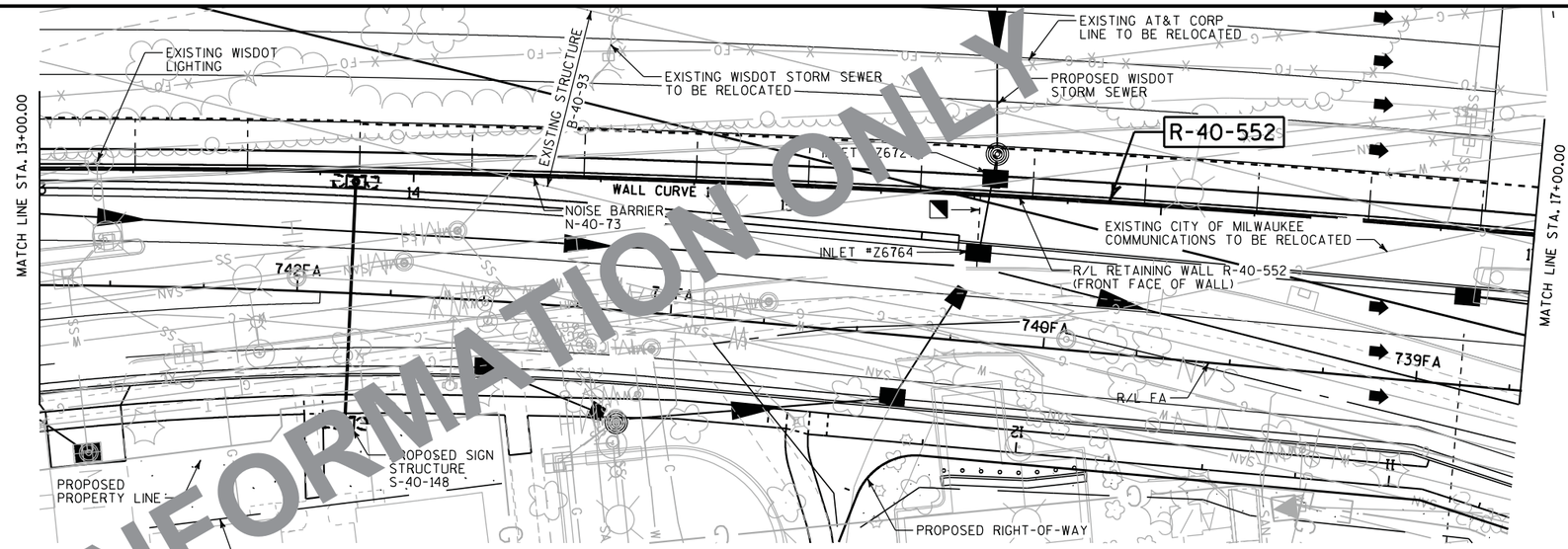
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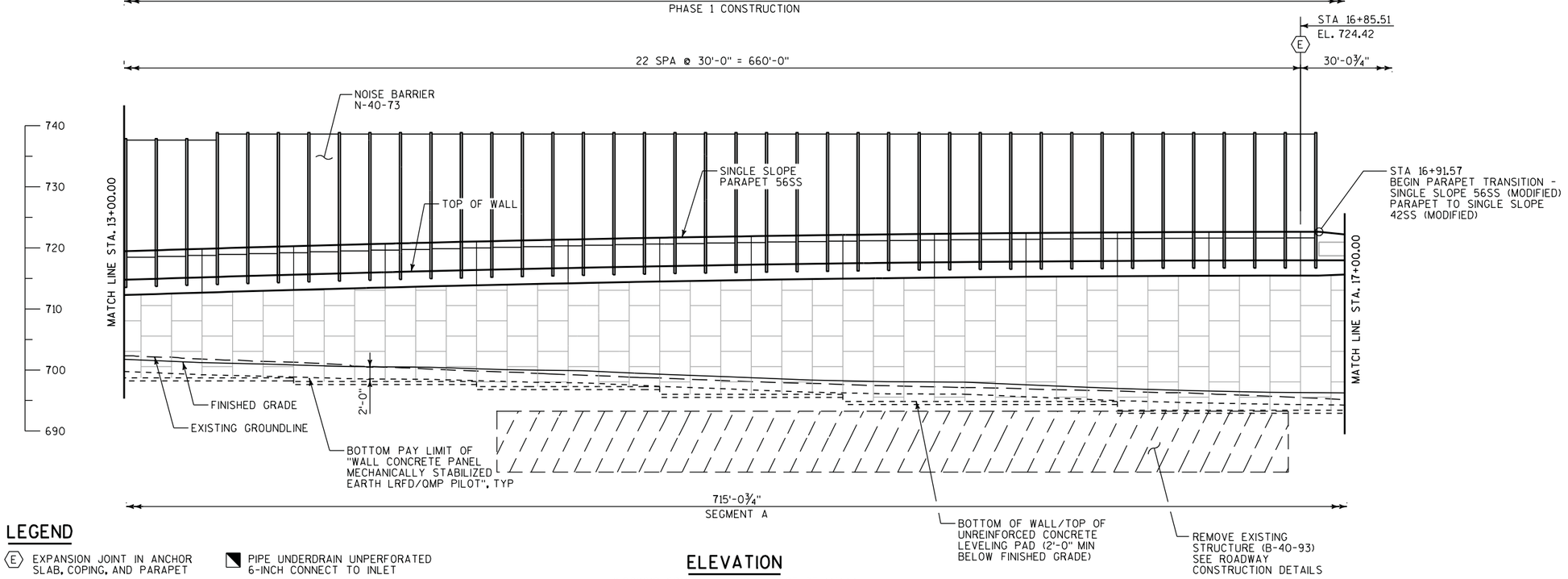
STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



PLAN

(MSE RETAINING WALL - SEGMENT A)



ELEVATION

(LOOKING SOUTH AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG FRONT FACE OF WALL)

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO INLET
- TRAFFIC DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

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GENERAL PLAN & ELEVATION (2 OF 5)

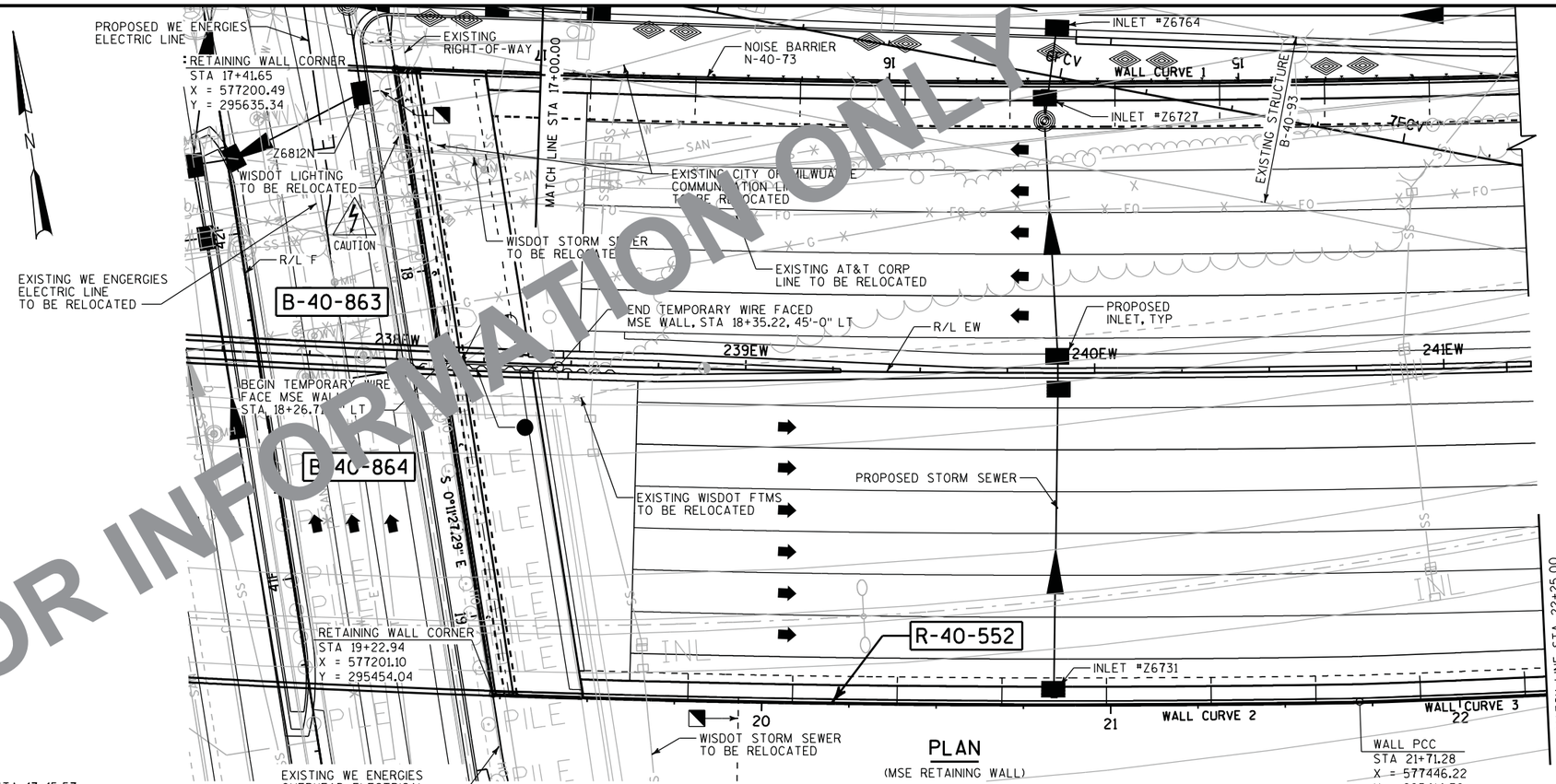
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PLOT NAME : R552_080102_gp
PLOT SCALE : 40:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- C CONTRACTION JOINT IN COPING
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO INLET
- TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH, SEE TYPICAL WALL SECTIONS (1 OF 3) SHEET FOR DETAILS
- TEMPORARY SHORING SEE DETAIL ON TYPICAL WALL SECTIONS (1 OF 3) SHEET
- STRUCTURAL APPROACH SLAB SEE STRUCTURE B-40-863 PLANS FOR DETAILS
- STRUCTURAL APPROACH SLAB SEE STRUCTURE B-40-864 PLANS FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (3 OF 5)

SHEET 3 OF 27

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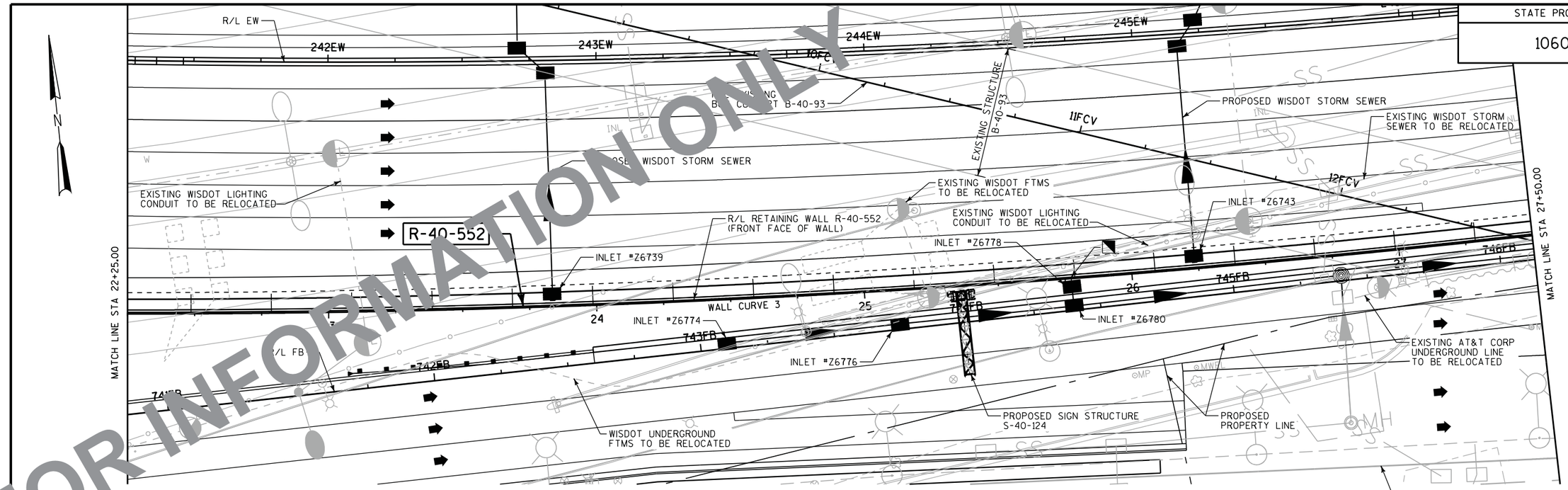
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PLOT BY : MSCTEK
PLOT NAME : R552_080103_gp
PLOT SCALE : 40:1

6624

FOR INFORMATION ONLY

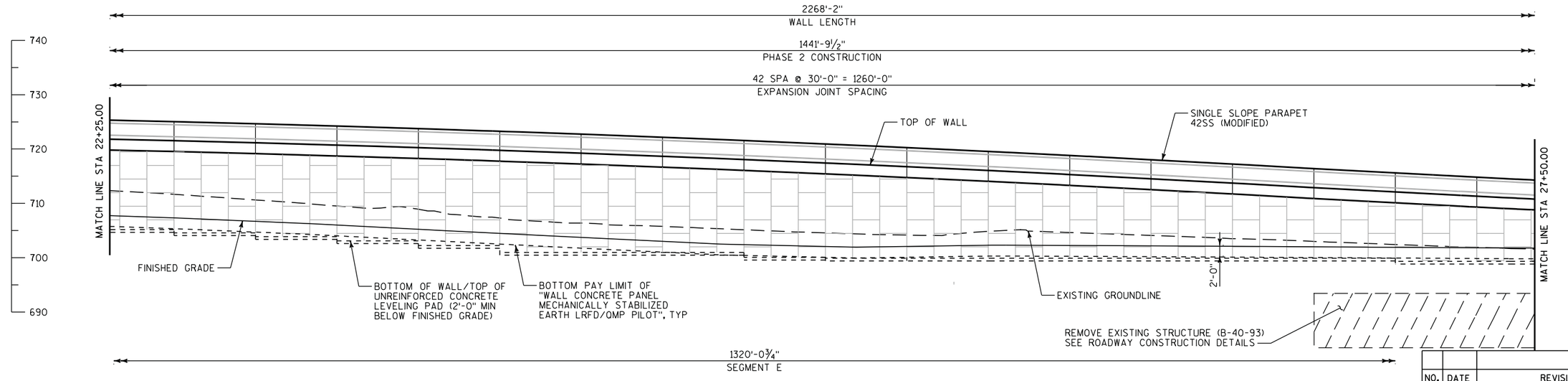
STATE PROJECT NUMBER

1060-33-80



PLAN

SEGMENT E - MSE RETAINING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL

LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO INLET

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

GENERAL PLAN & ELEVATION (4 OF 5)

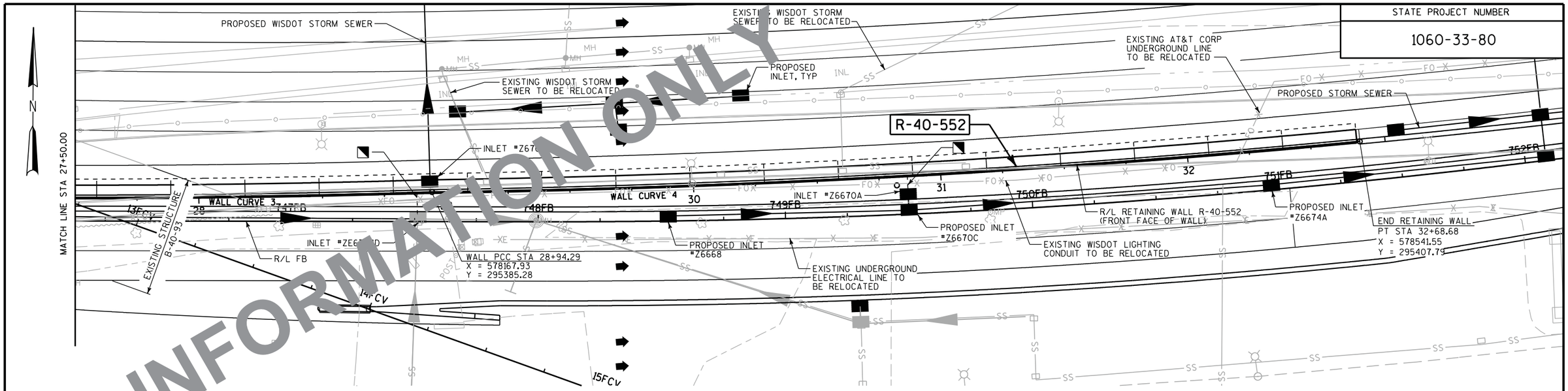
SHEET 4 OF 27

6625

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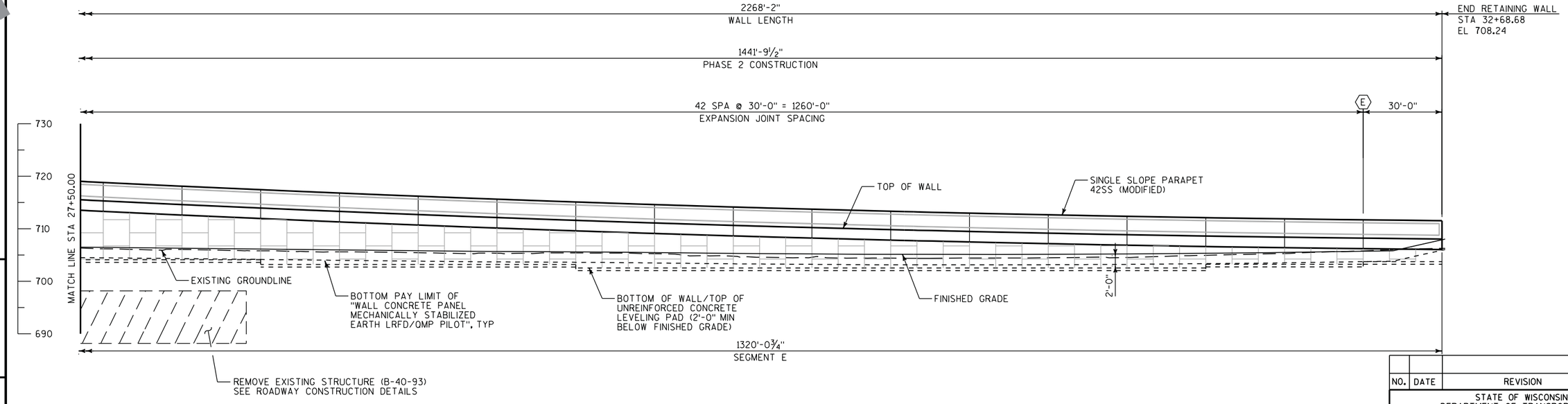
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SEGMENT E - MSE RETAINING WALL



LEGEND

- (E) EXPANSION JOINT IN ANCHOR SLAB, COPING, AND PARAPET
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED 6-INCH CONNECT TO INLET

ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY	TEK	PLANS CK'D.	EKM

GENERAL PLAN & ELEVATION (5 OF 5)

SHEET 5 OF 27

6626

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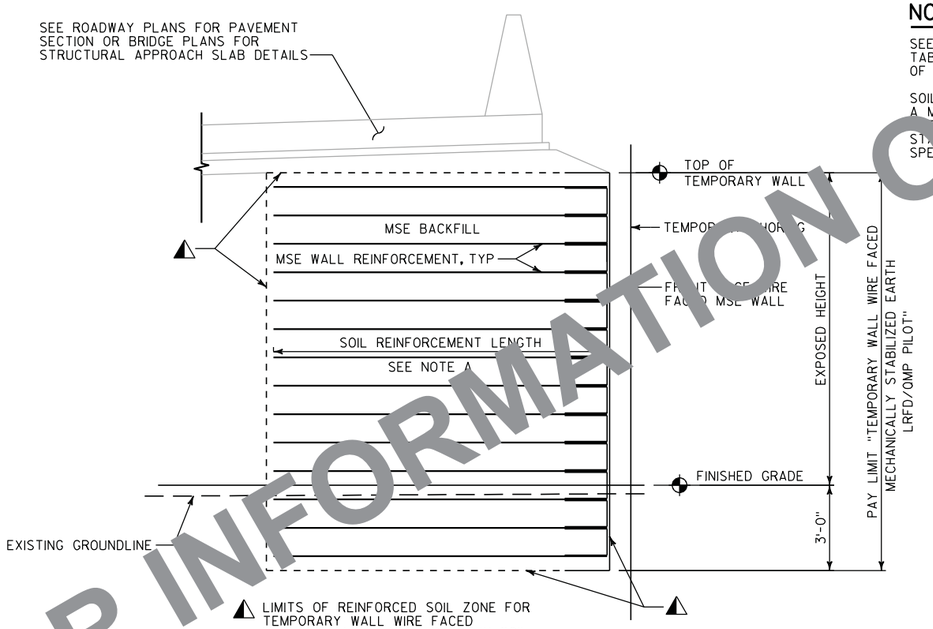
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

SEE ROADWAY PLANS FOR PAVEMENT SECTION OR BRIDGE PLANS FOR STRUCTURAL APPROACH SLAB DETAILS



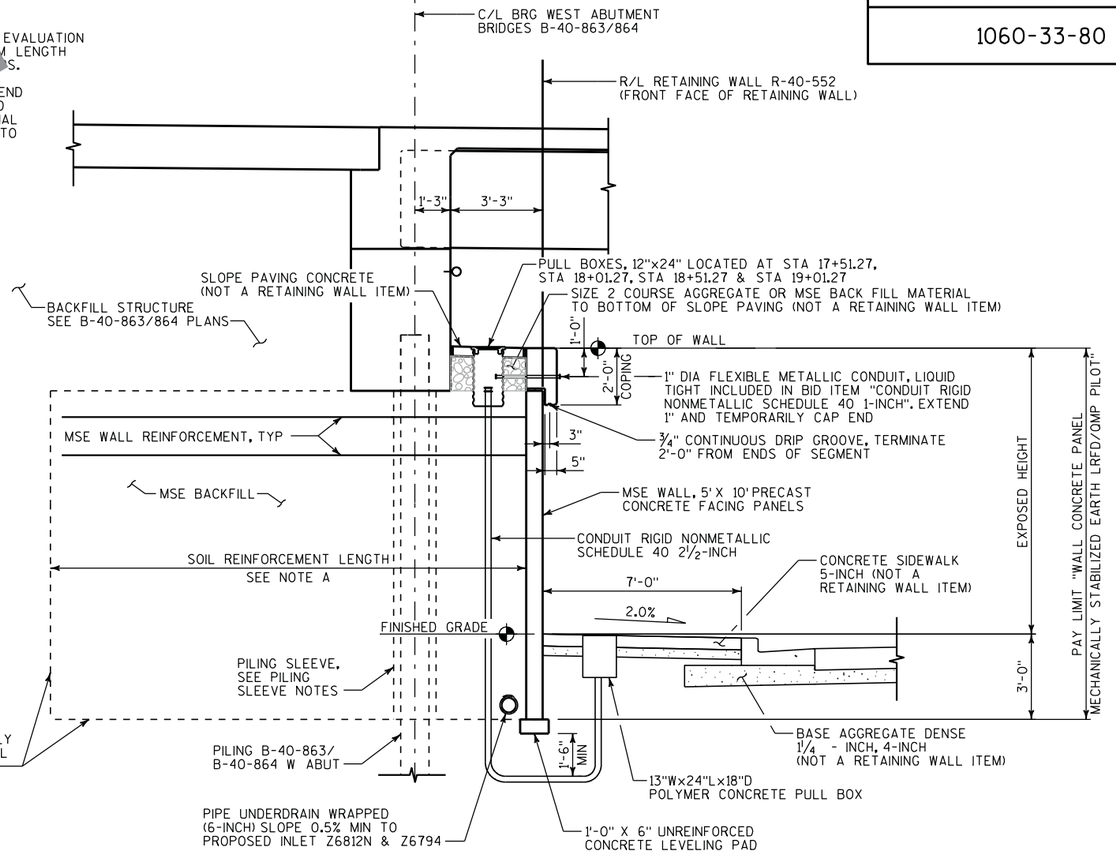
WIRE FACED WALL - TYPICAL SECTION

LOOKING EAST - STA 18+26.71, 7" LT TO STA 18+35.22, 45'-0" LT

NOTE A

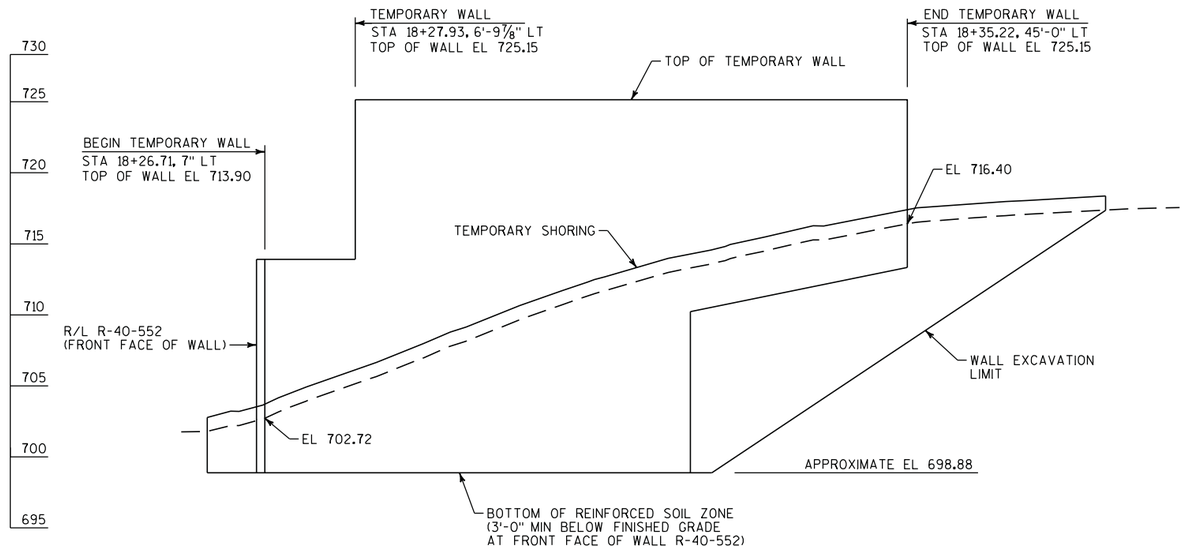
SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 8 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3'-0" BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.



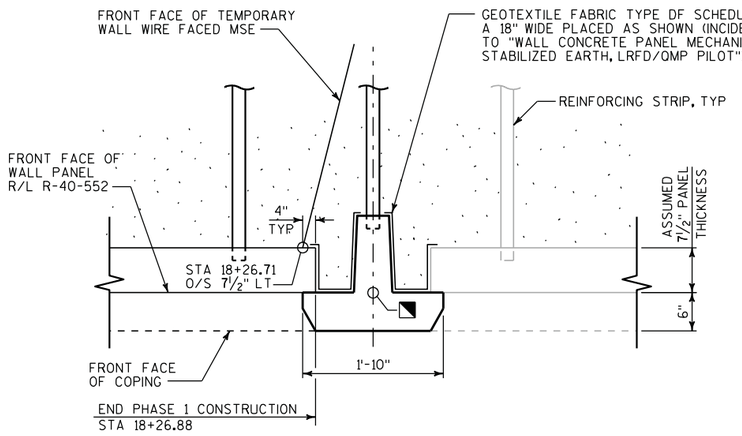
TYPICAL SECTION AT B-40-863/864 EAST ABUTMENT

(LOOKING SOUTH - SEGMENT C STA 17+34.04 TO STA 19+30.25)



ELEVATION AT TEMPORARY WALL

LOOKING NORTH



SLIP JOINT COVER DETAIL

(SLIP JOINT COVER INCIDENTAL TO "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH, LRFD / OMP PILOT")

C/L SLIP JOINT COVER STA 18+27.63

PILING SLEEVE NOTES

1. COORDINATE SLEEVE LOCATIONS WITH BRIDGE B-40-863 & B-40-864 PLANS.
2. SLEEVES SHALL BE PLACED FROM LOWER LIMITS OF EXCAVATION FOR MSE REINFORCED ZONE TO BOTTOM OF ABUTMENT.
3. SLEEVES SHALL BE PLACED BEFORE BACKFILL IS STARTED AND SHALL BE ADEQUATELY BRACED TO MAINTAIN POSITION WITHIN ± 2" AS BACKFILL PROCEEDS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY	TEK	PLANS CK'D.	EKM

TYPICAL WALL SECTIONS (1 OF 3)

SHEET 7 OF 27

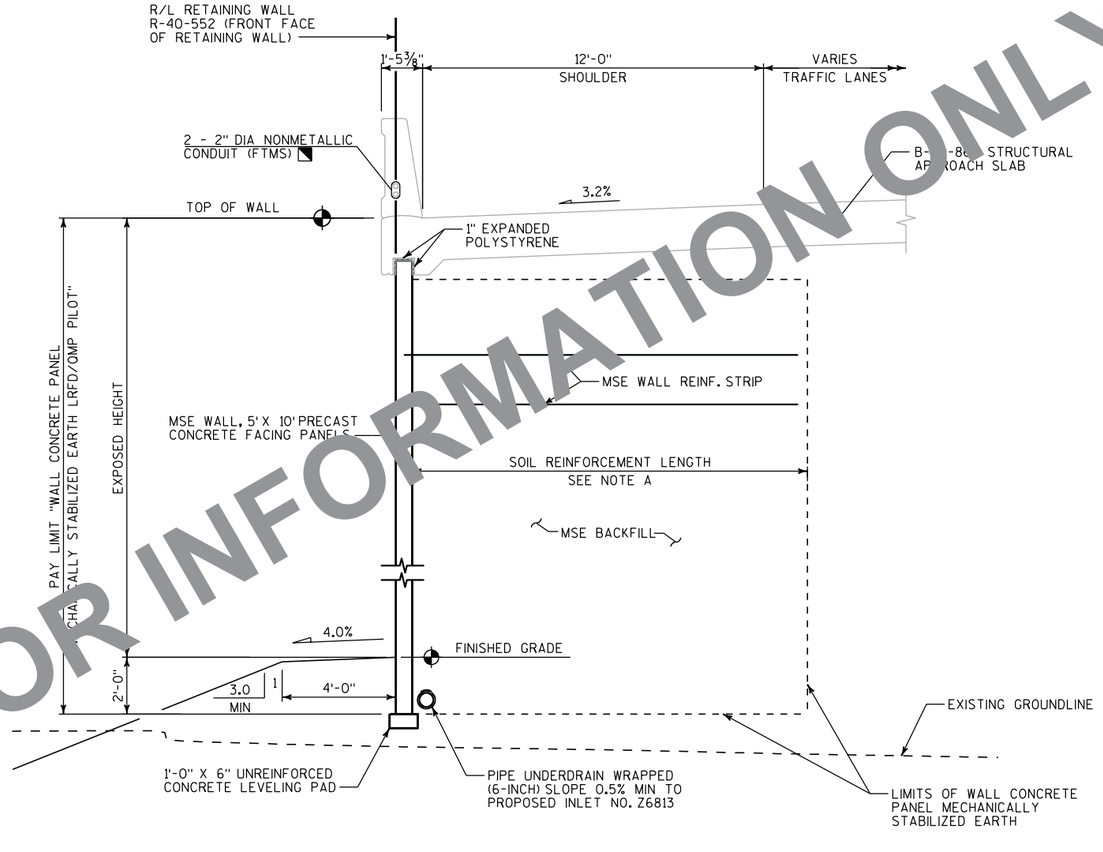
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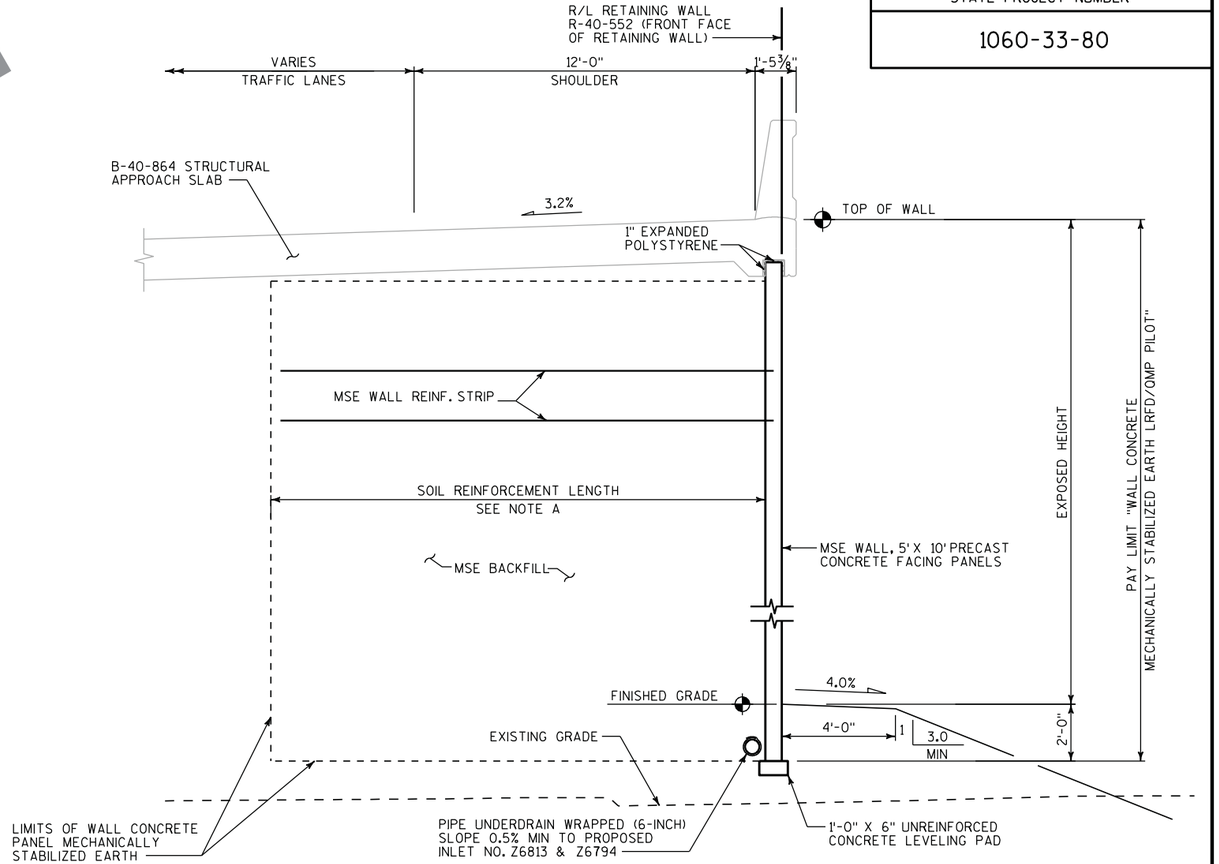
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL WALL SECTION - SEGMENT B

LOOKING EAST - STA 17+15.57 TO STA 17+34.04



TYPICAL WALL SECTION - SEGMENT D

LOOKING EAST - STA 19+30.25 TO STA 19+48.62

LEGEND

◥ NOT A RETAINING WALL ITEM

SOIL PARAMETERS

SOIL DESCRIPTION	UNIT WEIGHT (PCF)	SHORT-TERM (UNDRAINED)		LONG-TERM (DRAINED)	
		UNDRAINED SHEAR STRENGTH (PSF)	FRICTION ANGLE (DEGREES)	EFFECTIVE COHESION (PSF)	EFFECTIVE FRICTION ANGLE (DEGREES)
MSE BACKFILL ✳	120	0	30	0	30
PROPOSED FILL ✳	130	0	30	0	30
EXISTING FILL	128-133	0-2500	30	0-100	30
NATIVE COHESIVE CLAY (FIRM TO STIFF)	125	1000	0	0	29
NATIVE COHESIVE CLAY (STIFF TO VERY STIFF)	125-133	1500-2000	0	0-75	30-32
NATIVE COHESIVE CLAY (VERY STIFF)	135-138	2000-3500	0	100-175	33-34
LOOSE TO MEDIUM DENSE NATIVE GRANULAR	128-130	0	30-33	0	30-33
DENSE TO VERY DENSE NATIVE GRANULAR	140	0	36	0	36

✳ DESIGN WALL FOR THESE VALUES

WALL EXTERNAL STABILITY EVALUATION

DIMENSIONS									
WALL HEIGHT (FEET)	15.0	20.0	54.5	15.0	16.8	28.0	17.0	18.0	11.0
EXPOSED WALL HEIGHT (FEET)	13.0	18.0	22.5	12.0	13.8	26.0	15.0	16.0	9.0
MINIMUM LENGTH OF REINFORCEMENT (FEET) ✳	10.5	14	17.2	19.6	20	24	11.9	12.6	7.7
WALL STATION	12+75	14+43	16+84	18+00	19+00	19+30	22+00	25+00	28+08
BORING USED	ER-15	ER-14, ER-15	EB-13, ER-14	EB-15	EB-17	EB-17	ER-56	ER-17	ER-18, ER-19
CAPACITY TO DEMAND RATIO (CDR)									
SLIDING (CDR > 1.0)	1.1	1.1	1.1	1.4	1.4	1.4	1.1	1.2	1.0
ECCENTRICITY (CDR > 1.0)	1.0	1.3	1.3	1.7	2.9	2.2	1.3	1.3	1.1
BEARING (CDR > 1.0)	1.8	2.4	3.0	4.9	1.4	1.0	1.3	2.5	1.7
GLOBAL STABILITY (CDR > 1.0)	1.2	1.2	1.2	1.0	1.1	1.2	1.1	1.4	1.6

✳ MINIMUM LENGTH APPLIES ONLT AT CORRESPONDING WALL STATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTE A

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON THIS SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL WALL SECTIONS (2 OF 3)

SHEET 8 OF 27

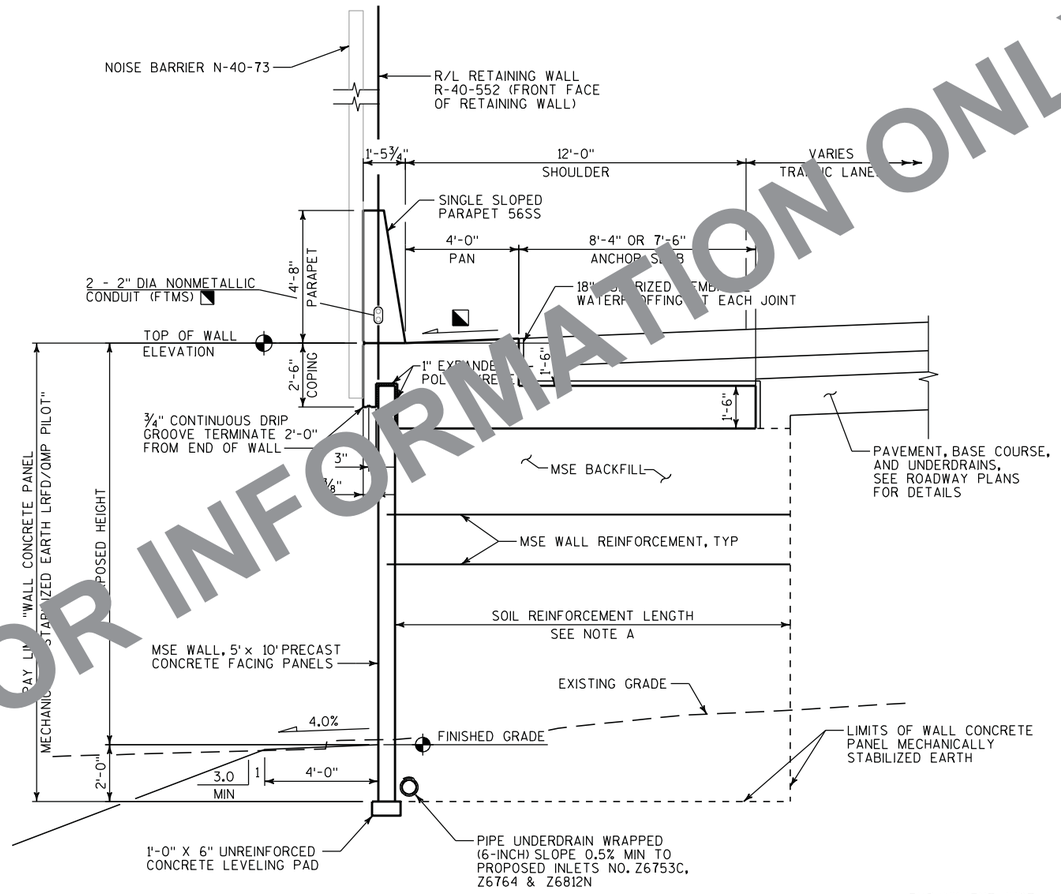
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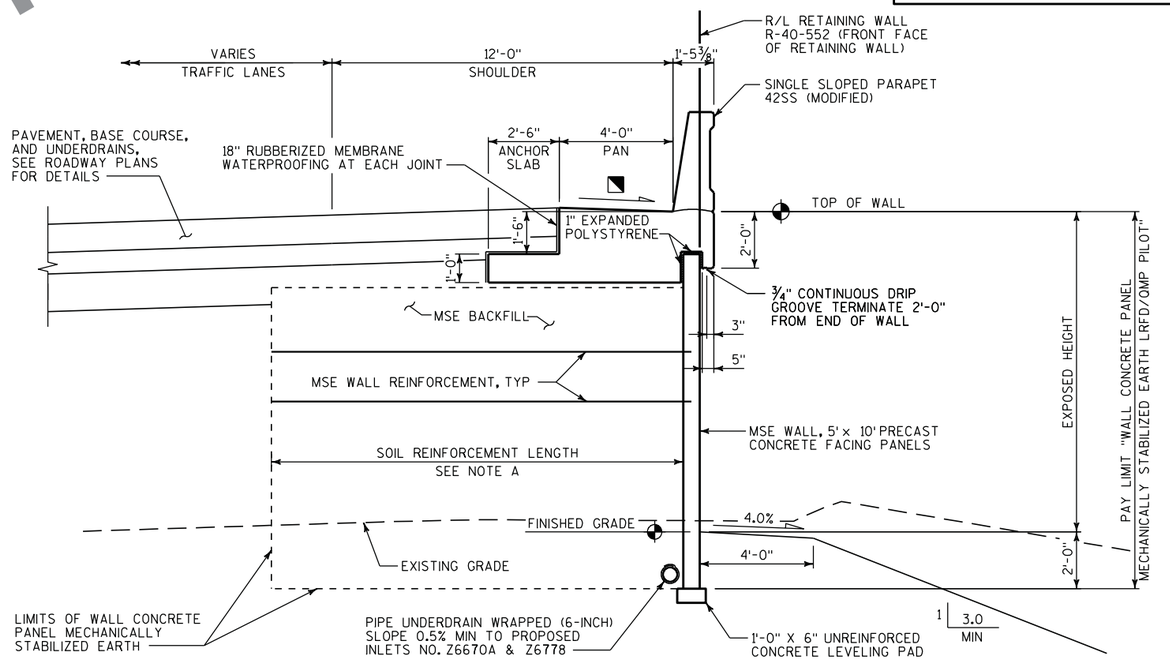
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



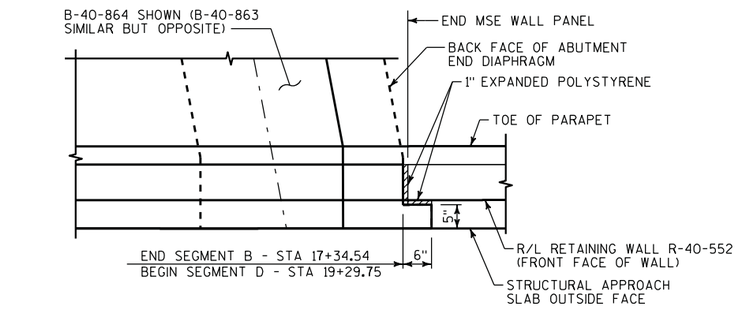
TYPICAL WALL SECTION - SEGMENT A

LOOKING EAST - STA 10+00.51 TO STA 17+15.57
(8'-4" ANCHOR SLAB - STA 10+00.51 TO STA 13+85.51)
(7'-6" ANCHOR SLAB - STA 13+85.51 TO STA 17+15.57)



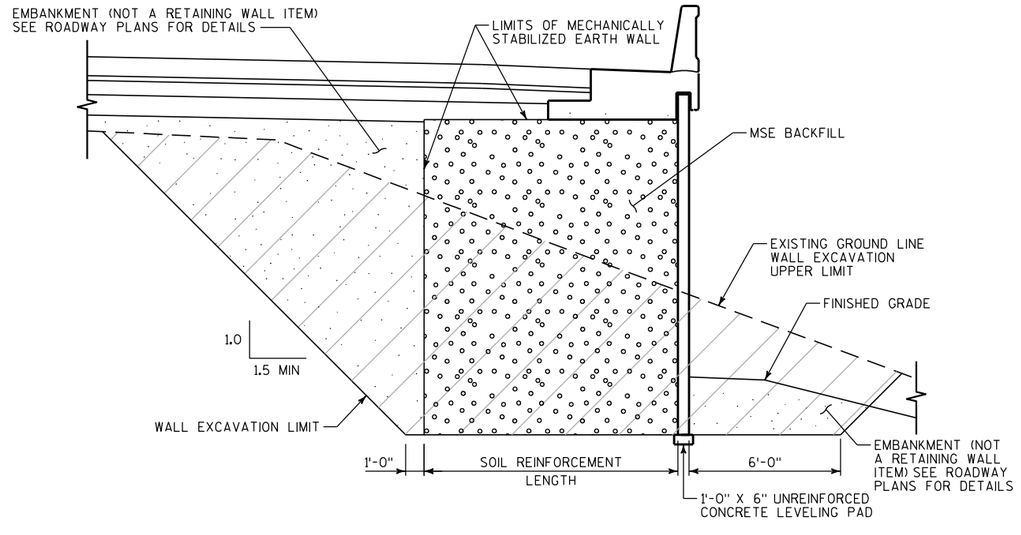
TYPICAL WALL SECTION - SEGMENT E

LOOKING EAST - STA 19+48.62 TO STA 32+68.68



END SEGMENT B / BEGIN SEGMENT D DETAIL

(SEE B-40-863 AND B-40-864 PLANS FOR ADDITIONAL DETAILS)



WALL EXCAVATION LIMITS DIAGRAM

NOTES

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 8 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NOTE B:

REFER TO THE EARTHWORK SUMMARY OF THE MISCELLANEOUS QUANTITIES IN THE ROADWAY PLANS FOR THE CALCULATED WALL EXCAVATION VOLUME.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

TYPICAL WALL SECTIONS (3 OF 3)

SHEET 9 OF 27

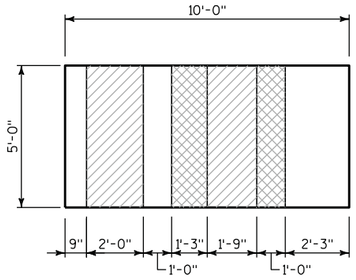
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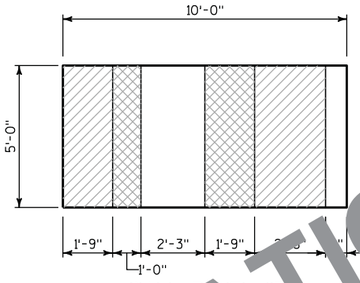
FOR INFORMATION ONLY

STATE PROJECT NUMBER

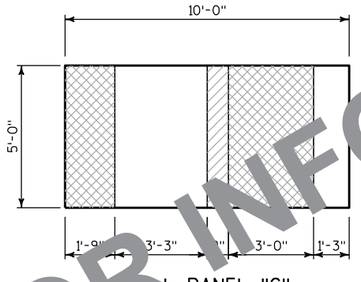
1060-33-80



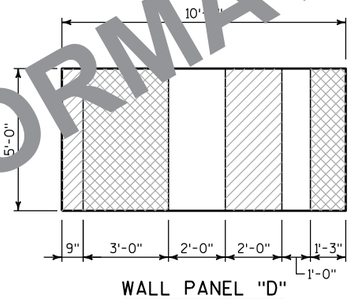
WALL PANEL "A"



WALL PANEL "B"

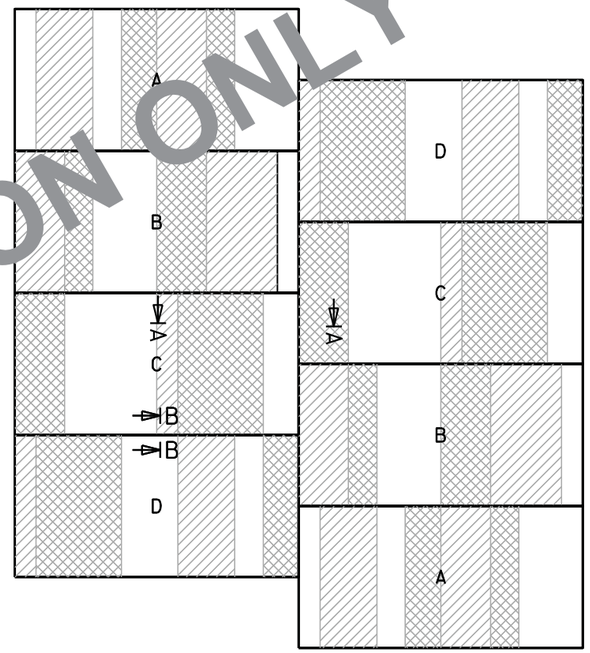


WALL PANEL "C"

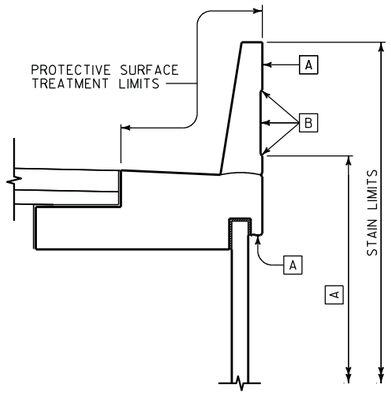


WALL PANEL "D"

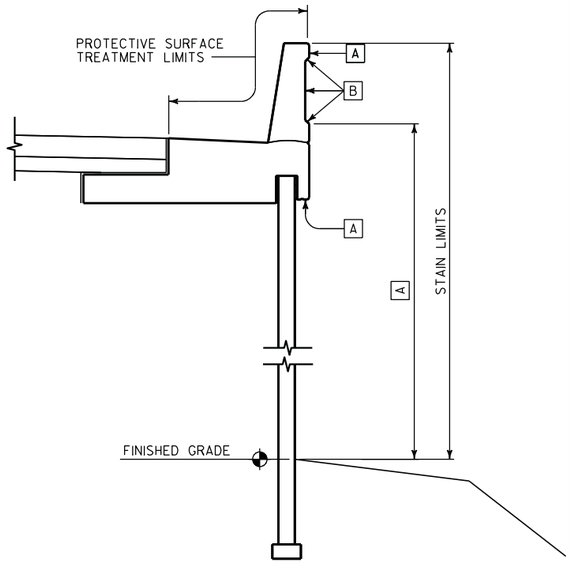
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS



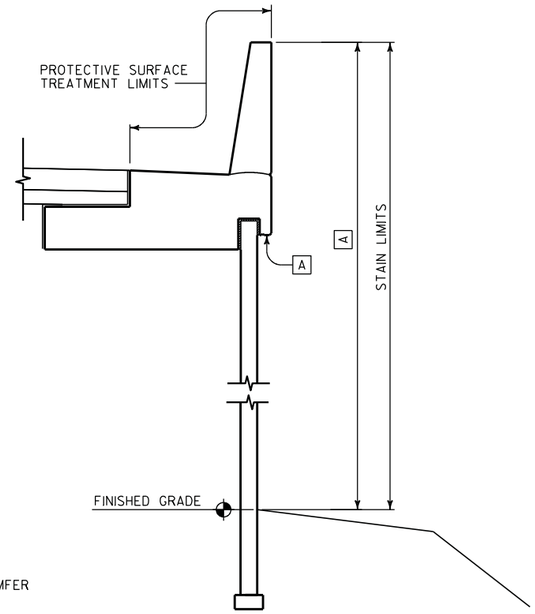
TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN



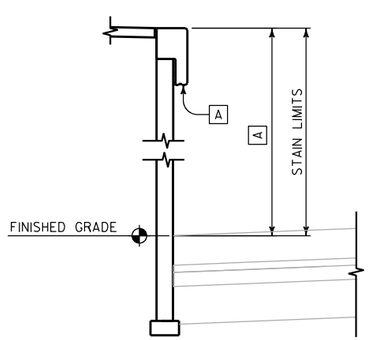
SEGMENT A
(PARAPET / COPING TRANSITION AREA)



SEGMENT E



SEGMENT A

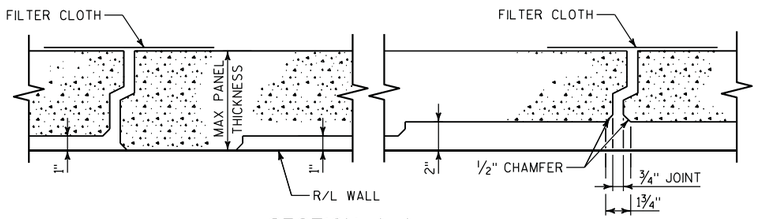


SEGMENT C

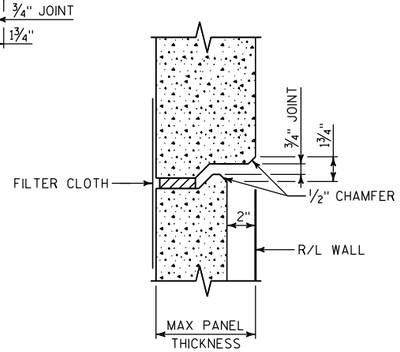
MSE WALL STAINING DIAGRAMS

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS - 0"



SECTION A-A



SECTION B-B

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	SINGLE SLOPED PARAPETS	EXTERIOR, EXCEPT AS NOTED FOR ACCENT COLORS
		WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
B	ACCENT COLOR 1	SINGLE SLOPED PARAPETS	EXTERIOR, RECESSED PANELS
F	ACCENT COLOR 5	WALLS	WALL PANEL ARTWORK DETAILS

STAIN COLORS

THE FINAL COLORING OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW.

BASE COLOR - 33564
ACCENT COLOR 1 - 33448
ACCENT COLOR 5 - SHERWIN WILLIAMS SW 6523

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS (1 OF 2)

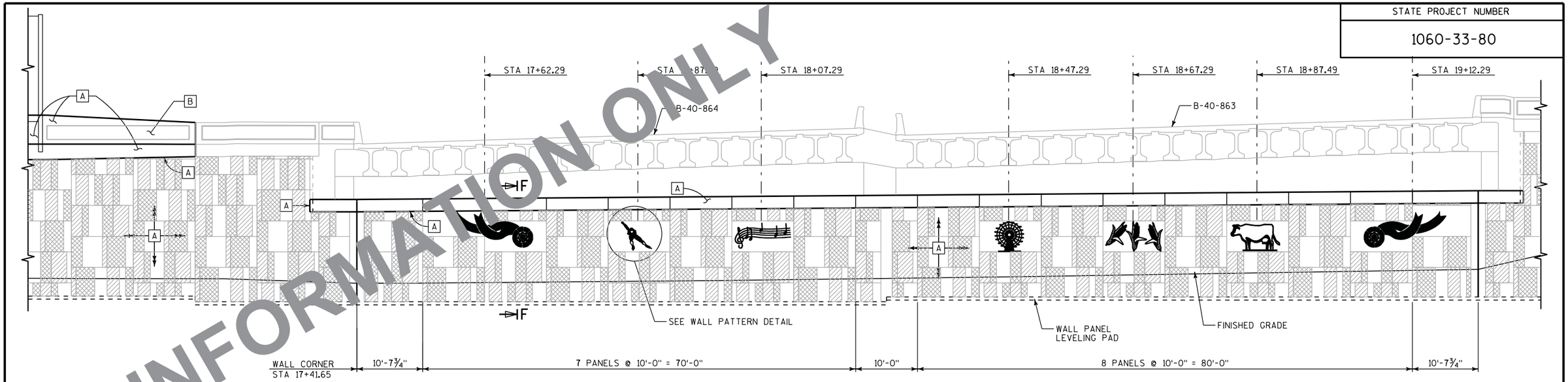
SHEET 21 OF 27

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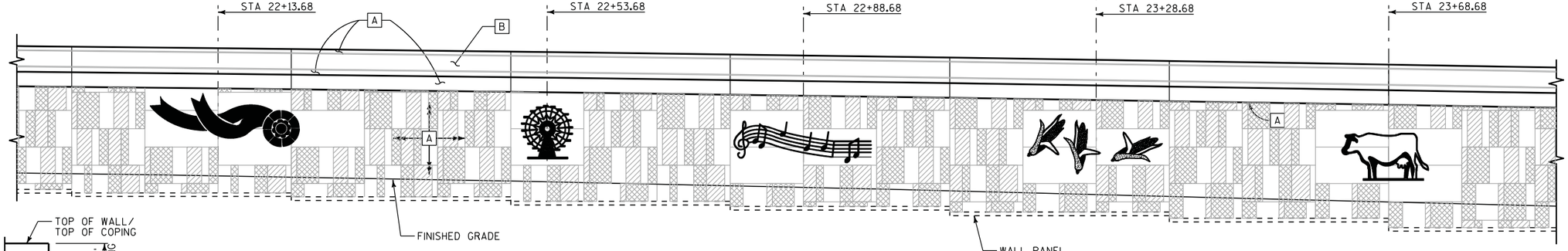
FOR INFORMATION ONLY

STATE PROJECT NUMBER
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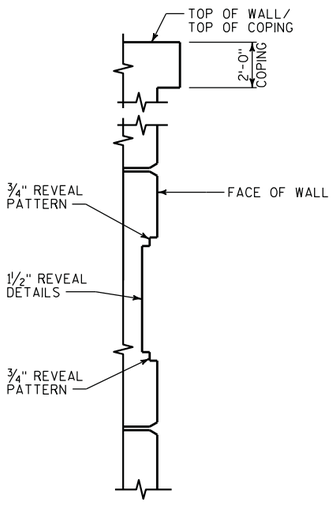
ELEVATION

(LOOKING EAST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG FRONT FACE OF WALL)



ELEVATION

(LOOKING NORTH AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG FRONT FACE OF WALL)



SECTION F-F

RELIEF PATTERN DETAIL



WALL PATTERN DETAIL

LEGEND

- PANEL THICKNESS - 1½"
- PANEL THICKNESS - ¾"
- PANEL THICKNESS - 0"

NOTES

ELECTRONIC FILES OF THE DECORATIVE PATTERNS ARE AVAILABLE FROM:
WISCONSIN DEPARTMENT OF TRANSPORTATION
JAMES KEEGAN P.E., 141 NW BARSTOW STREET, WAUKESHA, WISCONSIN 53187, (414) 750-3311

SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-552".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-552

DRAWN BY TEK | PLANS CK'D. EKM

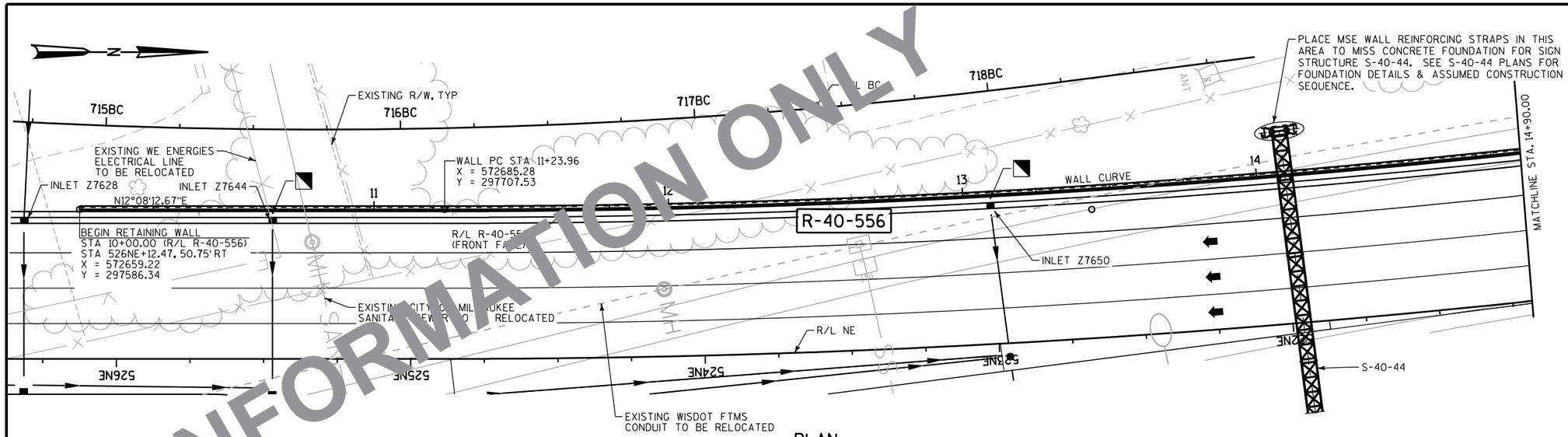
AESTHETIC WALL TREATMENT DETAILS (2 OF 2)

SHEET 22 OF 27

6631

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

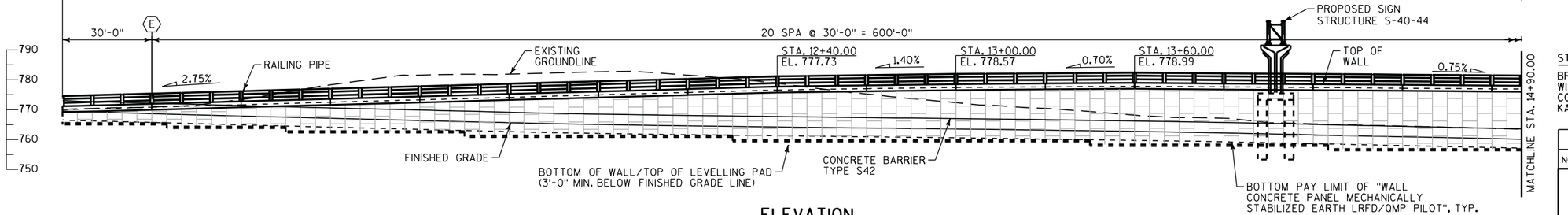
(MSE RETAINING WALL)

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION (1 OF 3)
2. GENERAL PLAN & ELEVATION (2 OF 3)
3. GENERAL PLAN & ELEVATION (3 OF 3)
4. GENERAL NOTES, QUANTITIES & PROFILE GRADE LINES
5. TYPICAL SECTIONS
6. COPING DETAILS
7. WALL ELEVATION TABLES
8. SEGMENT A COPING PLAN & ELEVATION
9. SEGMENT B COPING PLAN & ELEVATION
10. SEGMENT C COPING PLAN & ELEVATION
11. RAILING PIPE DETAILS
12. AESTHETIC WALL TREATMENT DETAILS
13. SUBSURFACE EXPLORATION (1 OF 3)
14. SUBSURFACE EXPLORATION (2 OF 3)
15. SUBSURFACE EXPLORATION (3 OF 3)

LEGEND

- (E) EXPANSION JOINT
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED (6-INCH) CONNECT TO PROPOSED INLET



ELEVATION

(LOOKING WEST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

DESIGN DATA

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, 2012.

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY) 240 PSF

MATERIAL PROPERTIES:

CONCRETE MASONRY	f'c = 4,000
PRECAST CONCRETE WALL PANELS	f'c = 4,000
BAR STEEL REINFORCEMENT	fy = 60,000 PSI

DESIGN RETAINING WALL TO IN FRONT OF THE BRIDGE B-40-866 WEST ABUTMENT BODY TO RESIST THE FORCE FROM ALL HORIZONTAL EARTH PRESSURE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

DESIGN THE MSE WALL ADJACENT TO THE ABUTMENT FOR A HORIZONTAL BACKSLOPE BEHIND THE WALL AND A LIVE LOAD VERTICAL SURCHARGE OF 240 PSF.

WISCONSIN
KARL E. SCHMID
E-30812
MILWAUKEE, WI
PROFESSIONAL ENGINEER
5/9/2014

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/16/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-556

RETAINING WALL W. OF U.S.H 45 UNDER BLUEMOUND RD.

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	WAUWATOSA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MS	EKM	MS	EKM

GENERAL PLAN & ELEVATION (1 OF 3)

SHEET 1 OF 15

6632

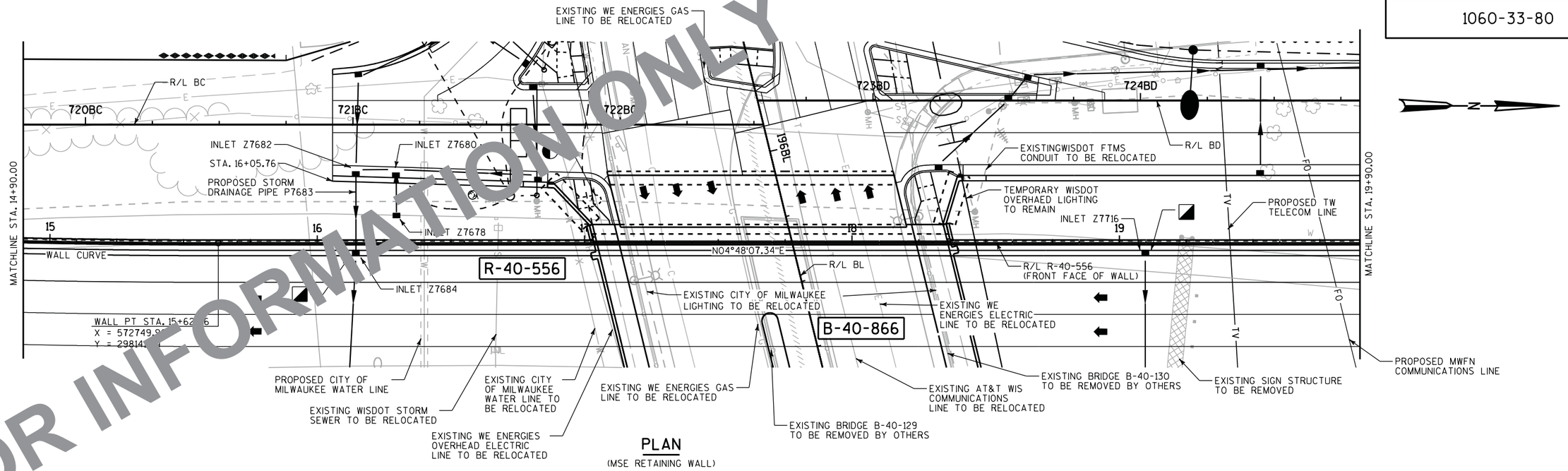
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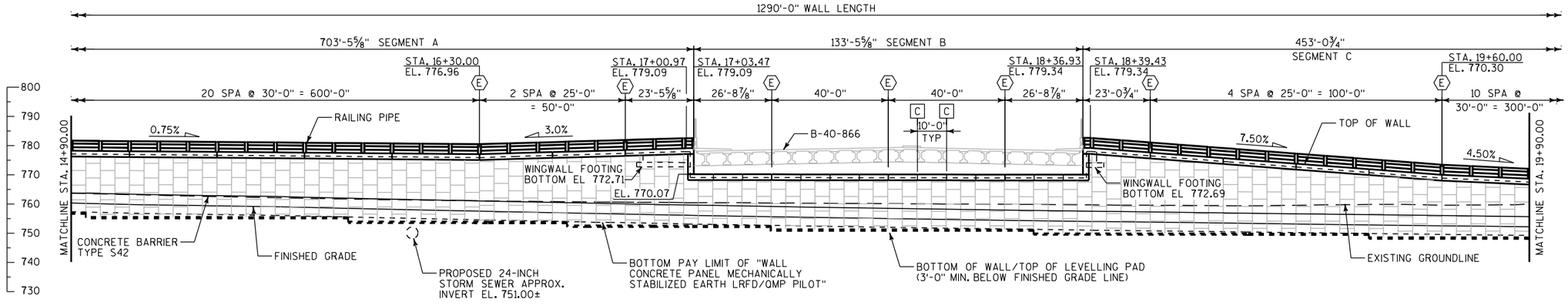
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN
(MSE RETAINING WALL)



ELEVATION
(LOOKING WEST AT FRONT FACE OF WALL)
(DISTANCES AND STATIONS ARE GIVEN ALONG THE FRONT FACE OF WALL)

LEGEND

- [C] CONTRACTION JOINT
- (E) EXPANSION JOINT
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED (6-INCH) CONNECT TO PROPOSED INLET
- CONCRETE BASE SLEEVE FOR TYPE 13 CONCRETE BASE. CENTER @ X = 572746.02, Y = 298284.66 SLEEVE BOTTOM EL = 764.3±, DIAM = 42"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-556

DRAWN BY MS | PLANS CK'D. EKM

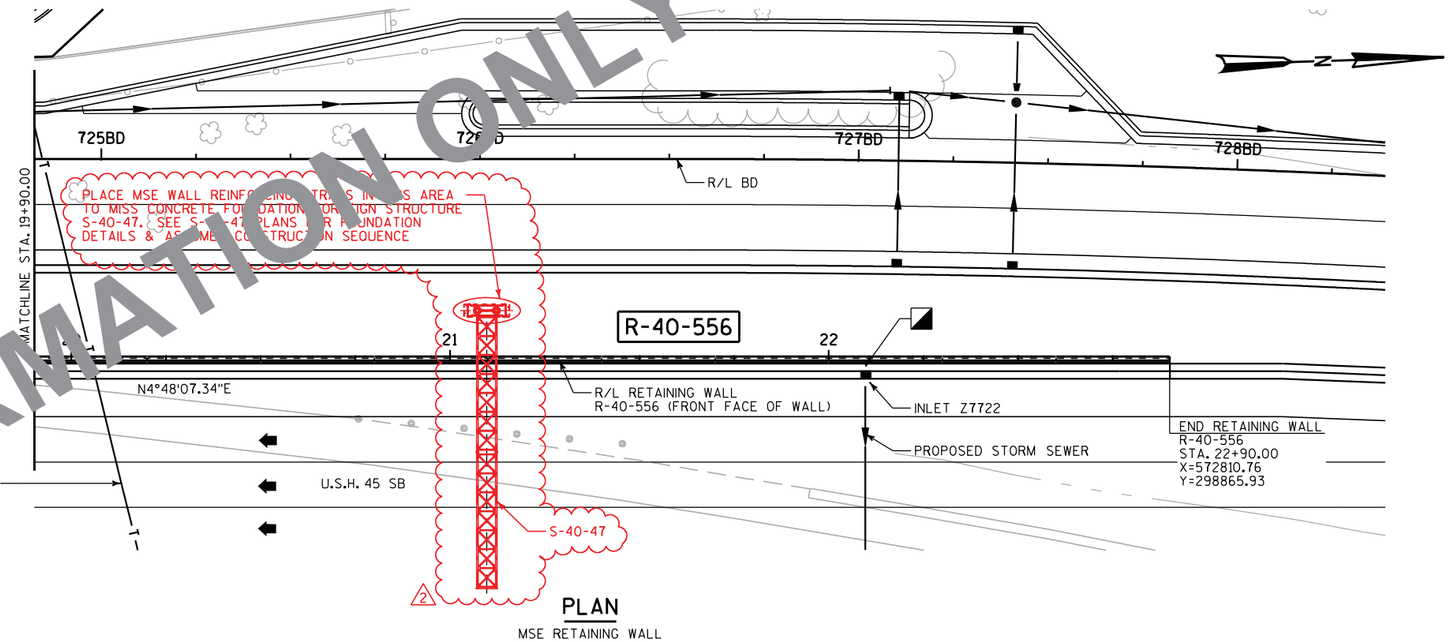
GENERAL PLAN & ELEVATION (2 OF 3)

SHEET 2 OF 15

6633

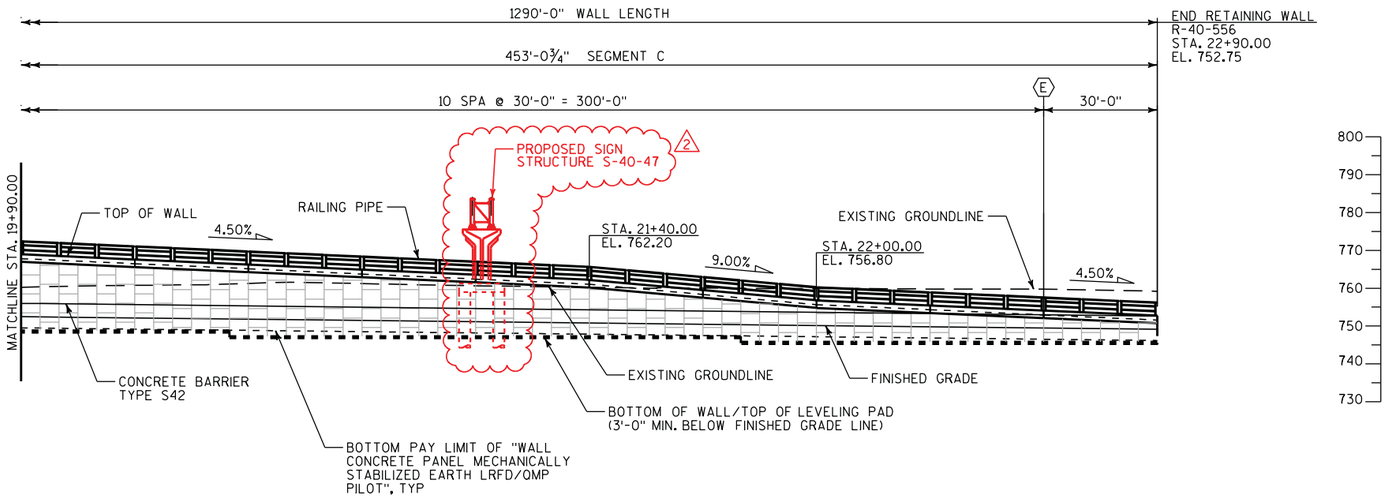
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

MSE RETAINING WALL



ELEVATION

LOOKING WEST AT FRONT FACE OF WALL

LEGEND

- (E) EXPANSION JOINT
- TRAFFIC DIRECTION
- PIPE UNDERDRAIN UNPERFORATED (6-INCH) CONNECT TO PROPOSED INLET

NO.	DATE	REVISION	BY
2	10/3/14	SIGN STRUCTURE LOCATION ADDED	KES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-556

DRAWN BY: MS | PLANS CK'D.: EKM

GENERAL PLAN & ELEVATION (3 OF 3)

SHEET 3 OF 15

3196
6634

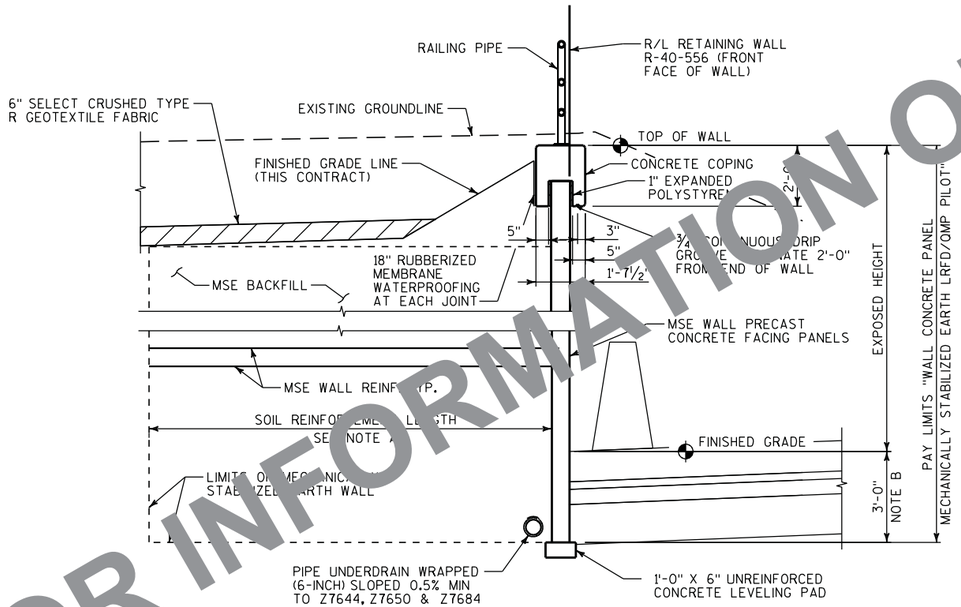
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FOR INFORMATION ONLY

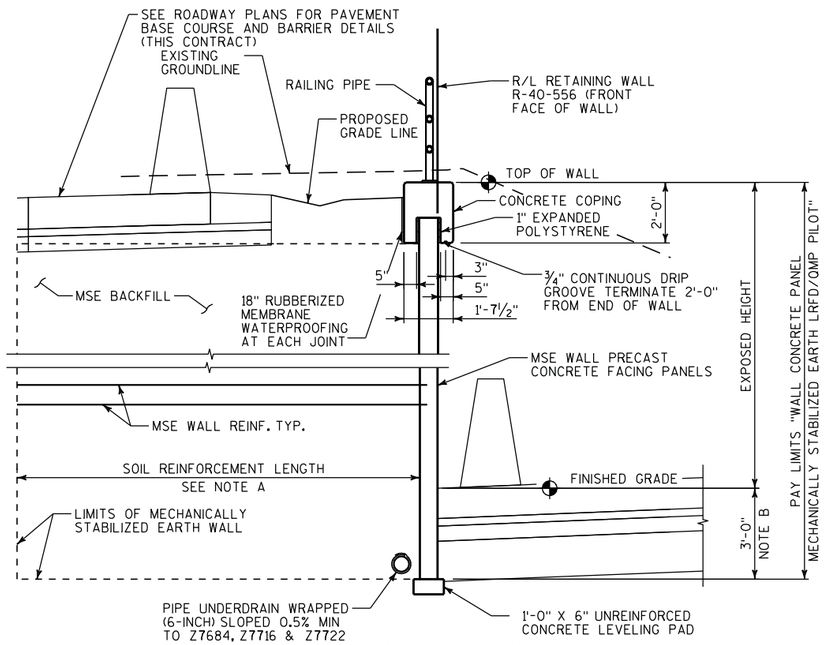
STATE PROJECT NUMBER

1060-33-80



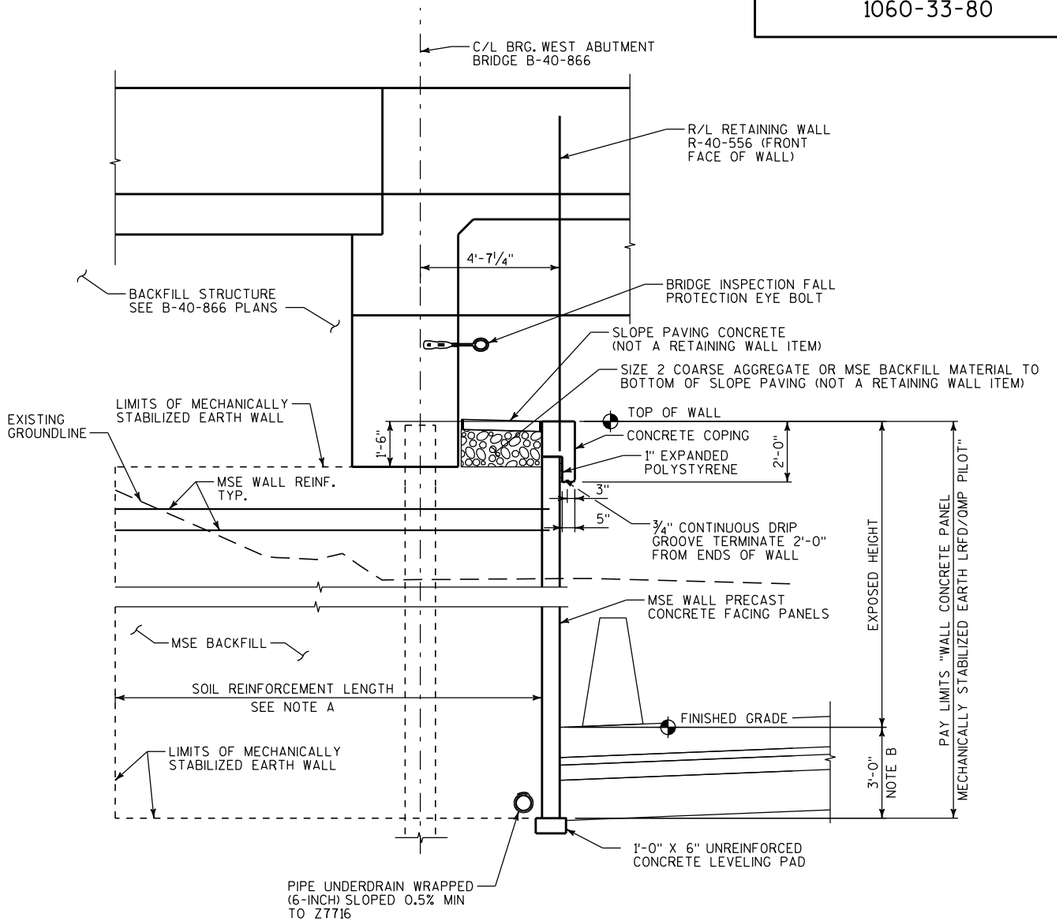
TYPICAL SECTION

LOOKING NORTH - STA. 10+00.00 TO STA. 16+05.76 - SEGMENT A



TYPICAL SECTION

LOOKING NORTH - STA. 16+05.76 TO STA. 17+03.47 - SEGMENT A
LOOKING NORTH - STA. 18+36.93 TO STA. 22+90.00 - SEGMENT C



TYPICAL SECTION

LOOKING NORTH - STA. 17+03.47 TO STA. 18+36.93 - SEGMENT B

NOTES

BRIDGE B-40-866, ROADWAY PAVEMENTS, AND ROADWAY BARRIERS ARE NOT RETAINING WALL ITEMS.

NOTE A:

SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON SHEET 4 FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS.

SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NOTE B:

MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. COORDINATE CONSTRUCTION OF THE LEVELING PAD WITH THE FABRICATOR OF THE WALL PANELS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-556

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TYPICAL SECTIONS

SHEET 5 OF 15

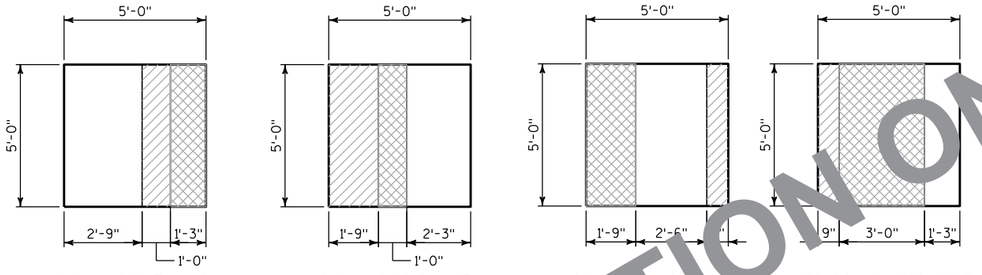
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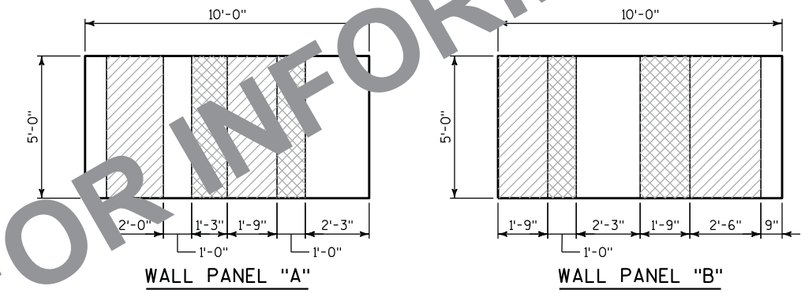
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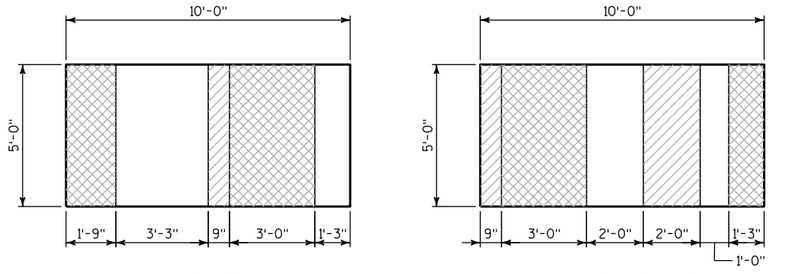
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



5'-0" X 5'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

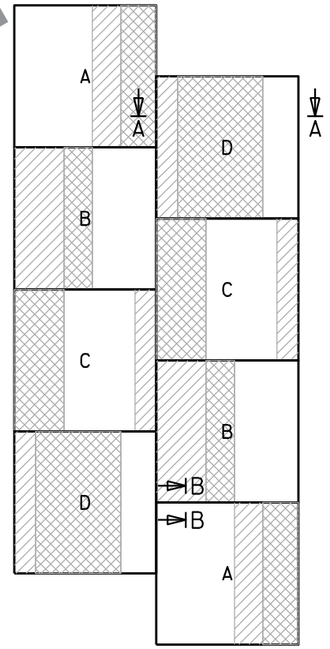




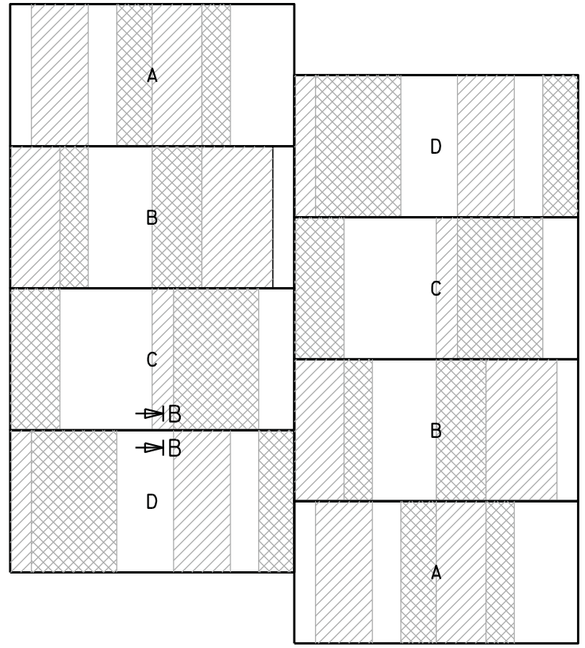
5'-0" X 10'-0" MSE CONCRETE PANEL RAISED SURFACE DETAILS

LEGEND

- PANEL THICKNESS - 2"
- PANEL THICKNESS - 1"
- PANEL THICKNESS + 0"



TYPICAL 5'-0" X 5'-0" MSE CONCRETE PANEL PATTERN



TYPICAL 5'-0" X 10'-0" MSE CONCRETE PANEL PATTERN

CONCRETE STAINING SCHEDULE

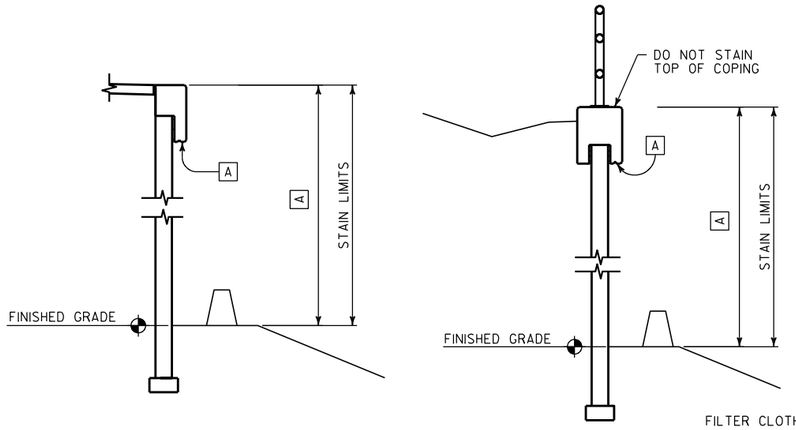
MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	WALLS	EXPOSED FACES TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE

STAIN COLORS

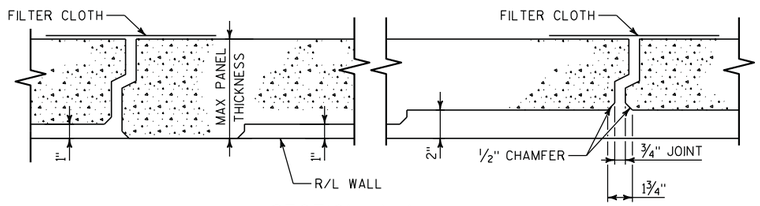
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR : 33564

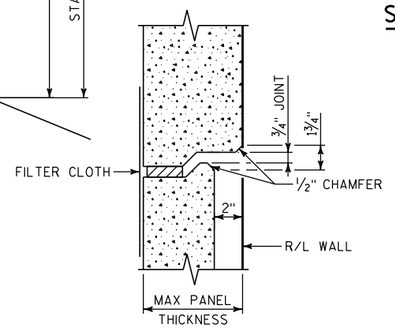
CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



MSE WALL STAINING DIAGRAMS



SECTION A-A



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-556

DRAWN BY MS | PLANS CK'D. EKM

AESTHETIC WALL TREATMENT DETAILS

SHEET 12 OF 15

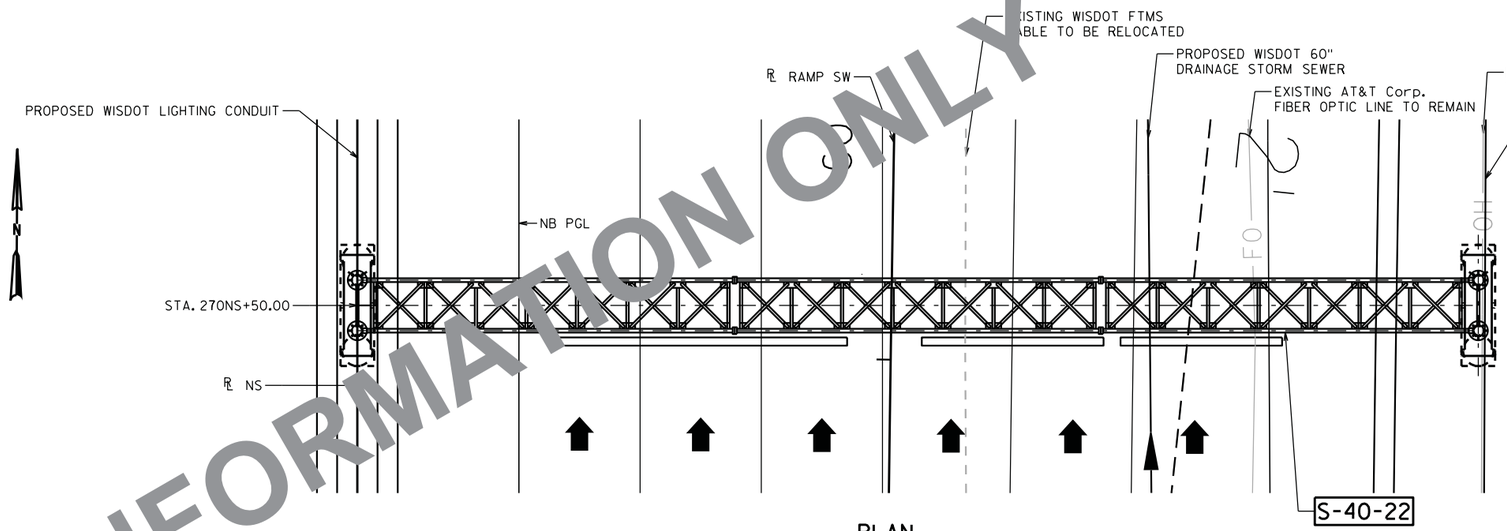
6636

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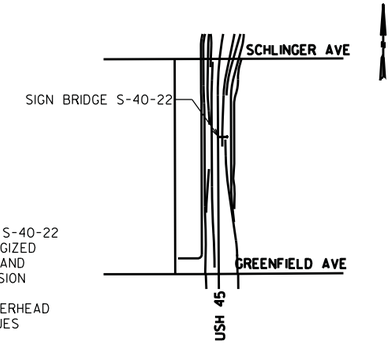
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

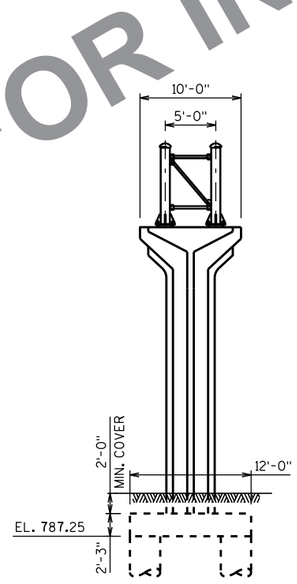


PLAN

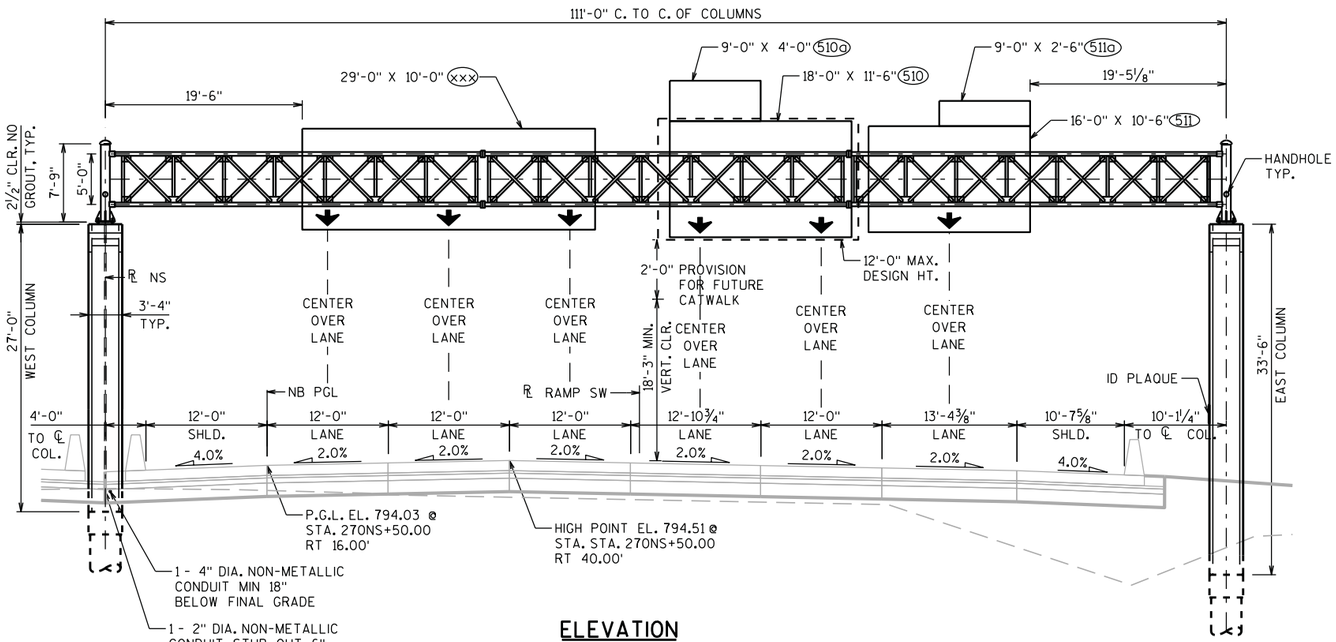


LOCATION MAP

* CONSTRUCTION OF SIGN STRUCTURE S-40-22 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC) AND WE ENERGIES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARENCES FROM THESE LINES.



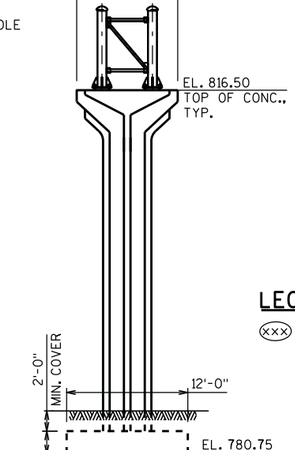
SIDE VIEW
WEST COLUMN



ELEVATION

S-40-22, STA. 270NS+50.00
(LOOKING UP STATION AT FRONT OF SIGNS)
USH 45 / IH 894 NB

ROADWAY WILL BE BUILT IN LATER CONTRACT
SEE ROADWAY PLANS FOR TEMPORARY SHEILDING CONDITIONS



SIDE VIEW
EAST COLUMN

LEGEND

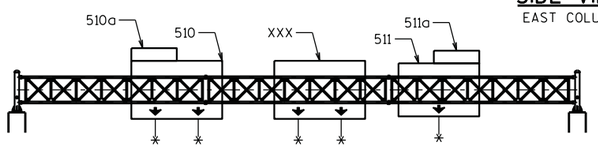
(xxx) FUTURE SIGN TO BE ERECTED IN LATER CONTRACT

PROPOSED CONSTRUCTION STAGING
1. BUILD SIGN STRUCTURE
2. ROADWAY SECTION TO COMPLETE CONSTRUCTION IN CONTRACT 1060-33-81

S-40-22 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	64
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	14,610
641.6600.0001	SIGN BRIDGE STRUCTURE S-40-22	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4000



SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT
* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-22
GENERAL PLAN
& ELEVATION

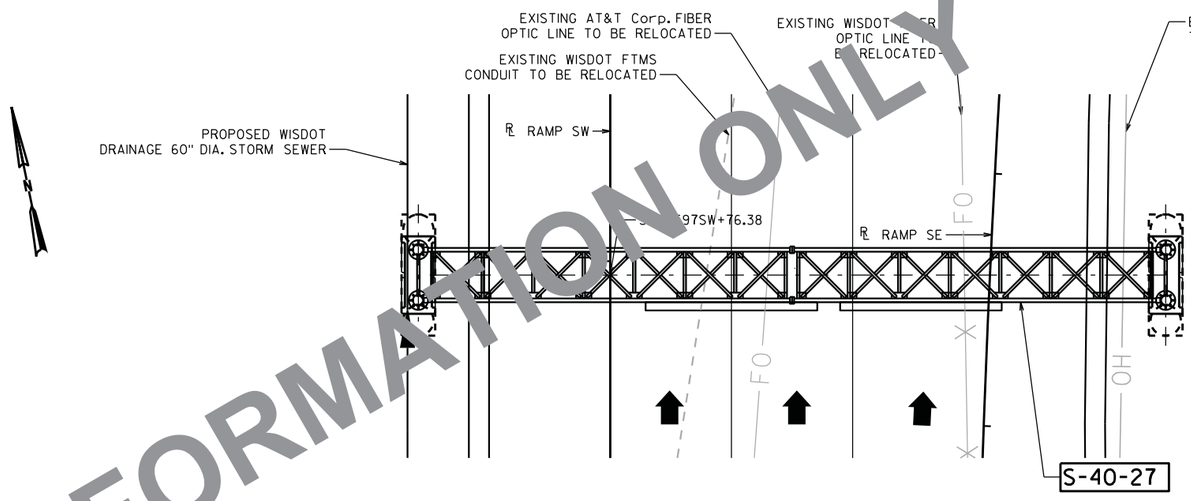
SHEET 2 OF 24

6637

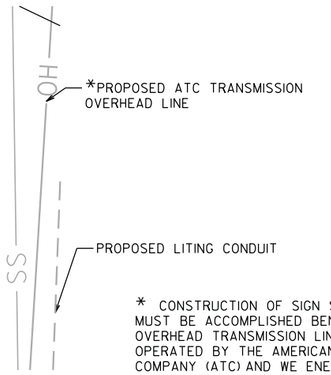
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PLOT BY : MSCAYG
PLOT NAME : S-40-22_102_gp
PLOT SCALE : 15:1

FOR INFORMATION ONLY

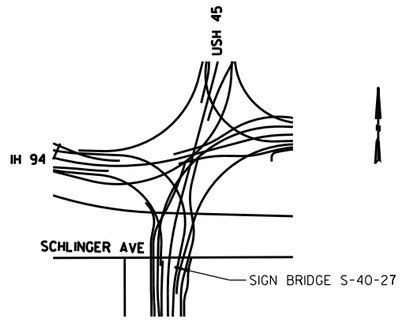
STATE PROJECT NUMBER
1060-33-80



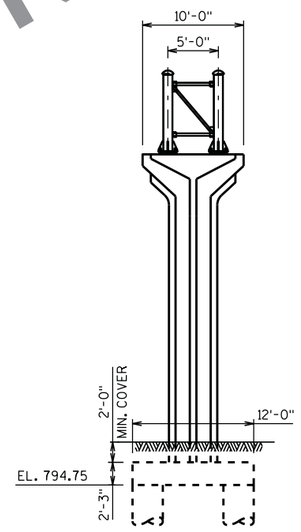
PLAN



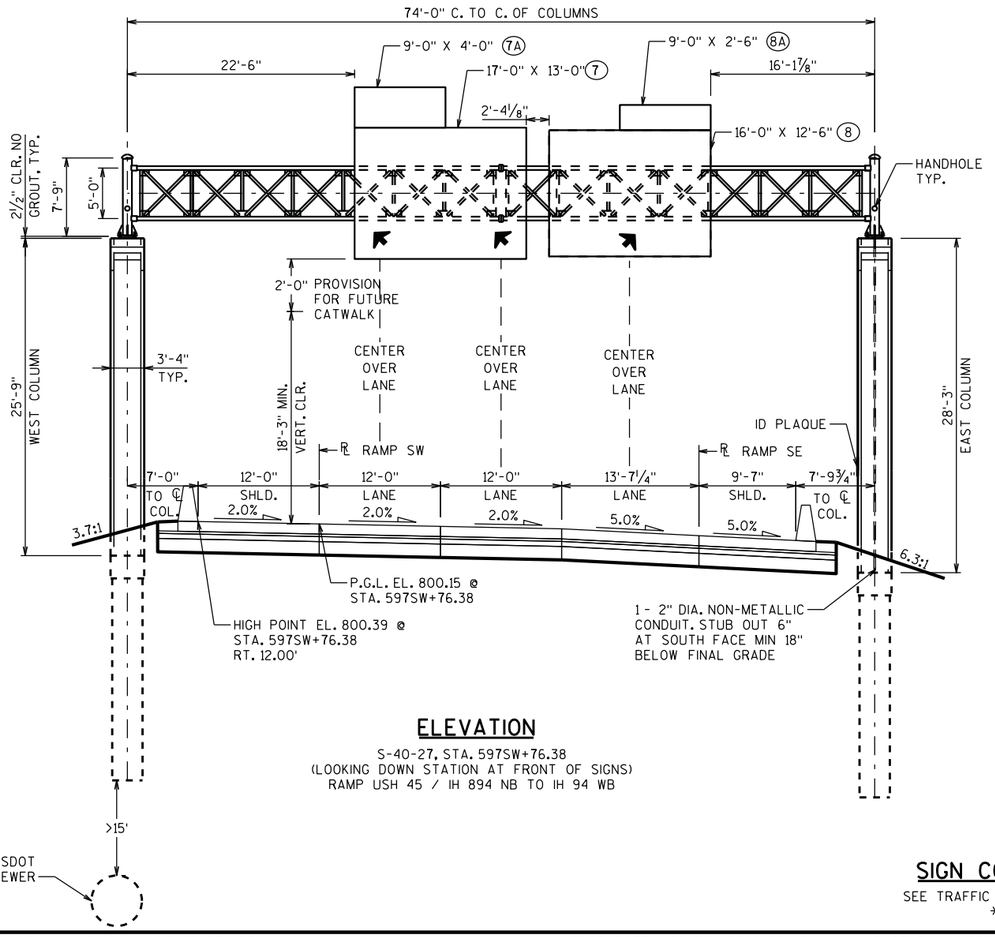
* CONSTRUCTION OF SIGN STRUCTURE S-40-27 MUST BE ACCOMPLISHED BENEATH ENERGIZED OVERHEAD TRANSMISSION LINES OWNED AND OPERATED BY THE AMERICAN TRANSMISSION COMPANY (ATC) AND WE ENERGIES. THE CONTRACTOR IS ADVISED THAT LOW OVERHEAD EQUIPMENT AND INSTALLATION TECHNIQUES MAY BE REQUIRED TO MAINTAIN SAFE CLEARENCES FROM THESE LINES.



LOCATION MAP

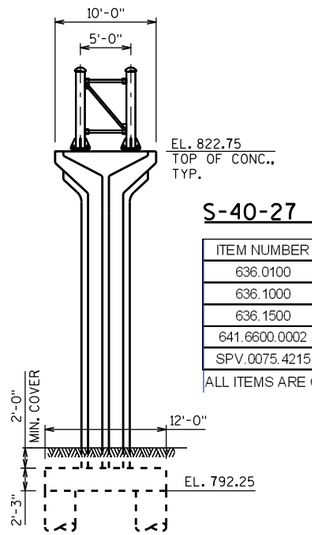


SIDE VIEW
WEST COLUMN

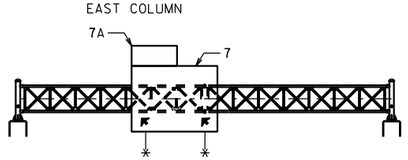


ELEVATION

S-40-27, STA. 597SW+76.38
(LOOKING DOWN STATION AT FRONT OF SIGNS)
RAMP USH 45 / IH 894 NB TO IH 94 WB



SIDE VIEW
EAST COLUMN



SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT
* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

S-40-27 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	60
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,570
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	9,190
641.6600.0002	SIGN BRIDGE STRUCTURE S-40-27	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4010

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-27
GENERAL PLAN
& ELEVATION

SHEET 3 OF 24

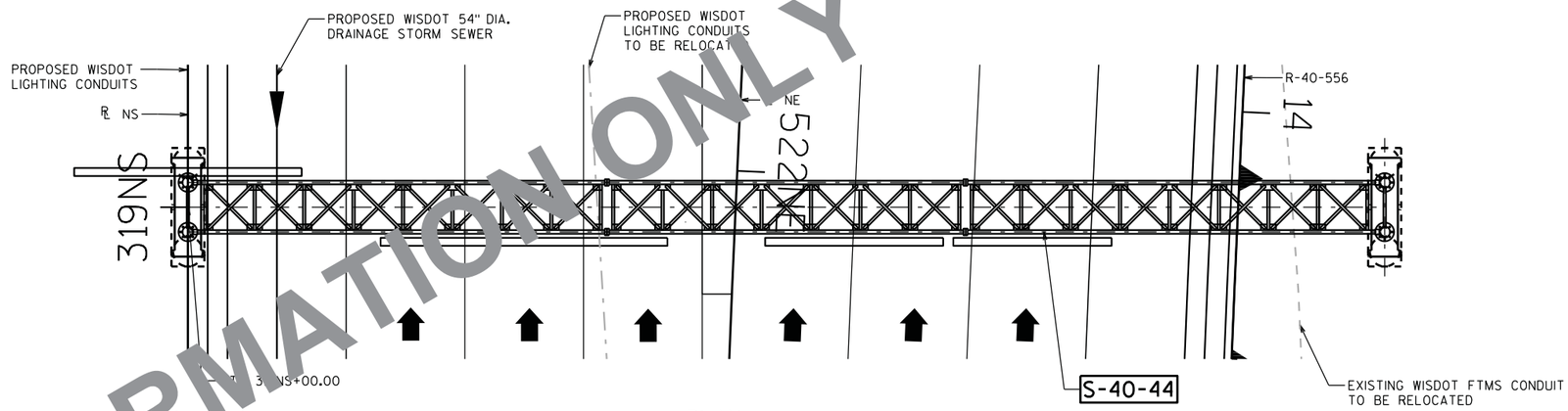
6638

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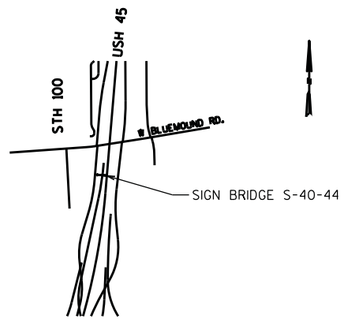
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FOR INFORMATION ONLY

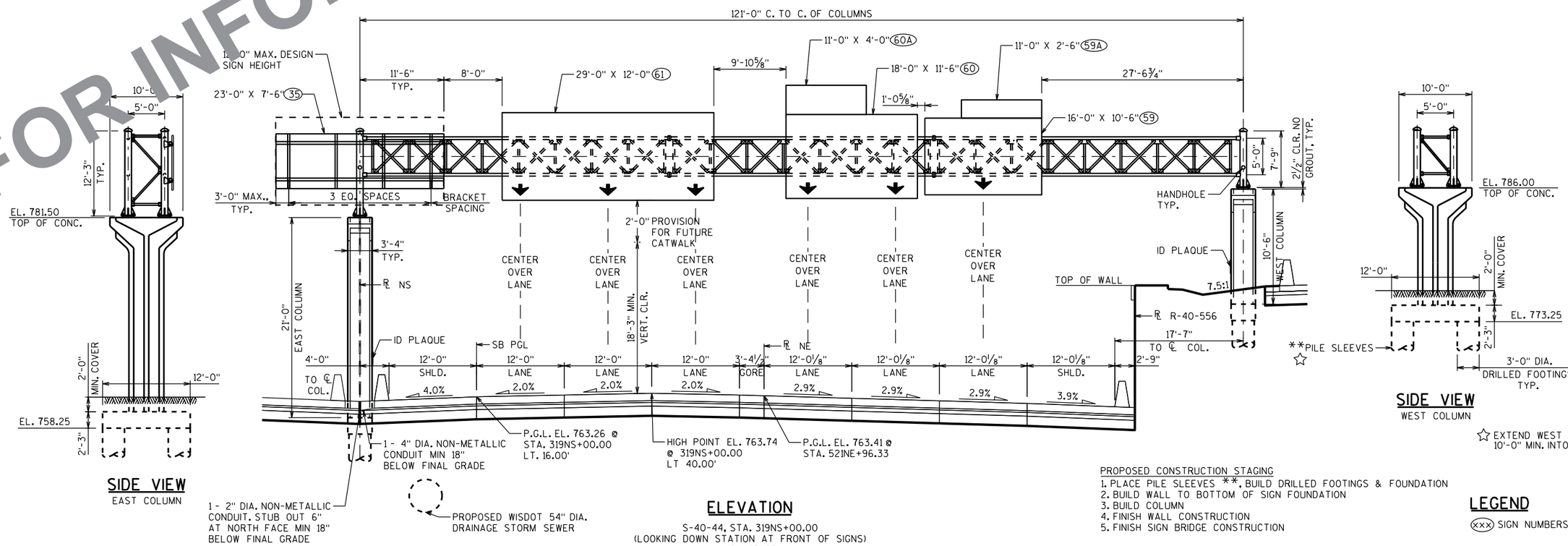
STATE PROJECT NUMBER
1060-33-80



PLAN



LOCATION MAP



SIDE VIEW
EAST COLUMN

ELEVATION

S-40-44, STA. 319NS+00.00
(LOOKING DOWN STATION AT FRONT OF SIGNS)
USH 45 SB

** SEE RETAINING WALL R-40-556 FOR PILE SLEEVE DETAIL & COST

SIDE VIEW
WEST COLUMN

☆ EXTEND WEST DRILLED FOOTINGS 10'-0" MIN. INTO ORIGINAL GRADE.

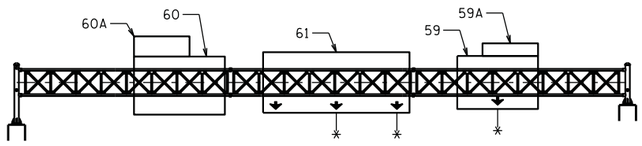
PROPOSED CONSTRUCTION STAGING
1. PLACE PILE SLEEVES **, BUILD DRILLED FOOTINGS & FOUNDATION
2. BUILD WALL TO BOTTOM OF SIGN FOUNDATION
3. BUILD COLUMN
4. FINISH WALL CONSTRUCTION
5. FINISH SIGN BRIDGE CONSTRUCTION

LEGEND
(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-44 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	52
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	6,180
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	8,540
641.6600.0004	SIGN BRIDGE STRUCTURE S-40-44	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4040



SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT
* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-44
GENERAL PLAN
& ELEVATION

SHEET 4 OF 24

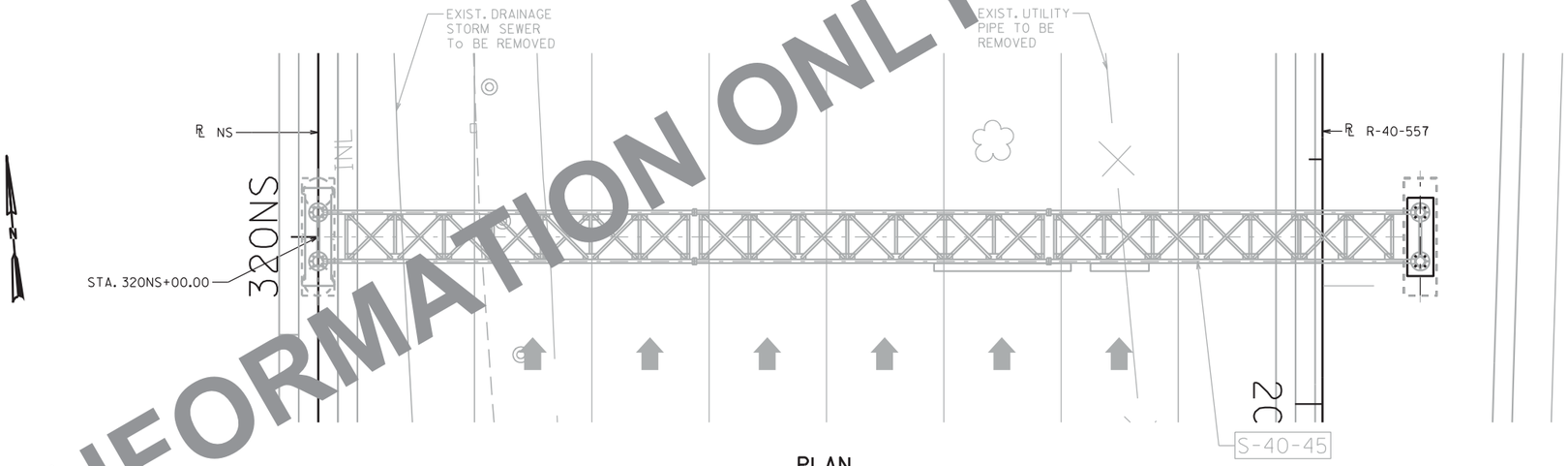
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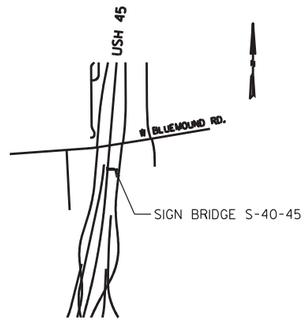
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FOR INFORMATION ONLY

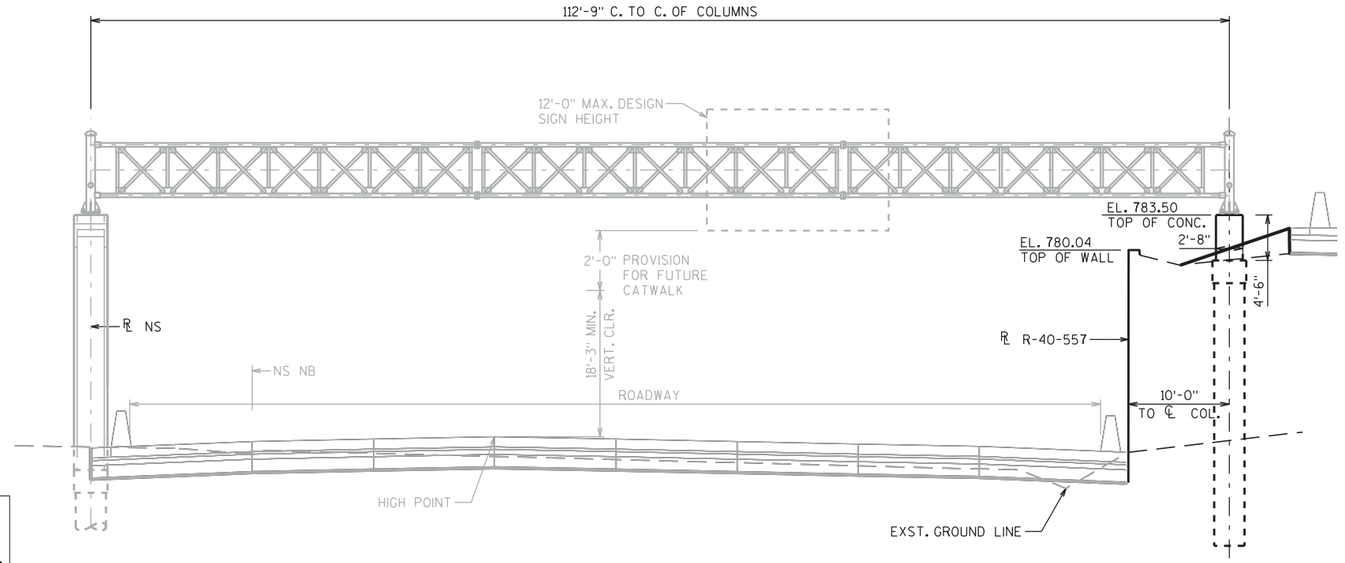
STATE PROJECT NUMBER
1060-33-80



PLAN



LOCATION MAP



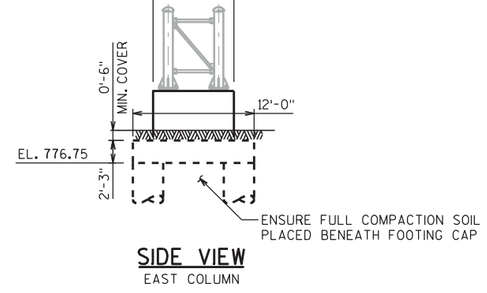
ELEVATION

S-40-45, STA. 320NS+00.00
(LOOKING UP STATION AT FRONT OF SIGNS)

EAST COLUMN & ASSOCIATED FOUNDATION TO BE CONSTRUCTED IN THIS CONTRACT & REST OF THE SIGN STRUCTURE TO BE CONSTRUCTED IN FUTURE CONTRACT 1060-33-81.

REMOVE FORM WORK AROUND FOOTING SHAFTS UNLESS USING CMP.

COORDINATE CONSTRUCTION OF S-40-45 WITH CONSTRUCTION OF WALL R-40-557.



SIDE VIEW
EAST COLUMN

PROPOSED CONSTRUCTION STAGING
1. DRILL EAST COLUMN FOOTING SHAFTS BELOW EXISTING GROUND LINE.
2. BUILD EAST COLUMN FOOTING SHAFTS ABOVE GROUND LINE & FOOTING CAP.
3. BUILD MSE WALL.
4. BUILD EAST COLUMN.

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
10/03/14

S-40-45 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	21
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	3,350
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,490
SPV.0035.0400	ANCHOR ASSEMBLIES SIGN BRIGE STRUCTURES	EA	2

WISCONSIN SEAN T. BLACK E-42904 WAUKESHA, WI PROFESSIONAL ENGINEER
10/3/14

NO.	DATE	REVISION	BY
2	10/3/14	NEW SHEET	STB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

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S-40-45
GENERAL PLAN
& ELEVATION

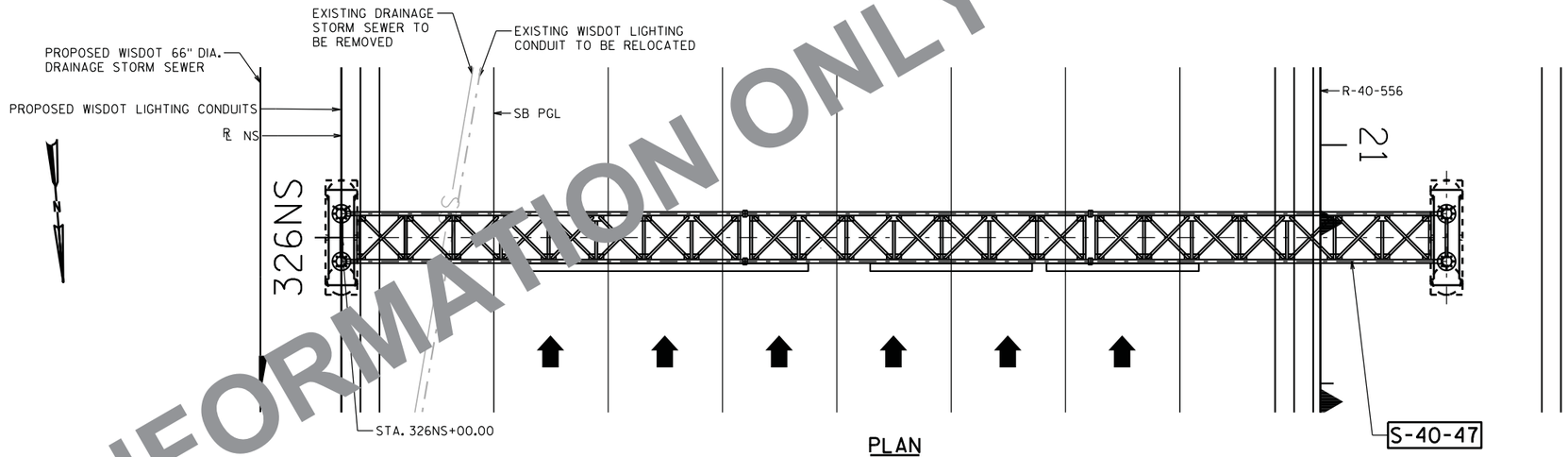
SHEET 4A OF 24

3271A
6640

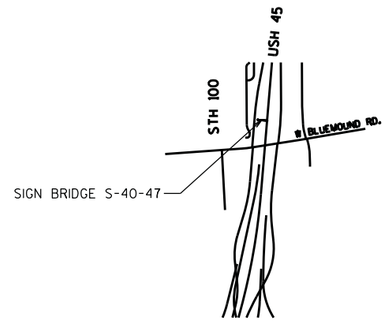
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PLOT SCALE : 15:1

FOR INFORMATION ONLY

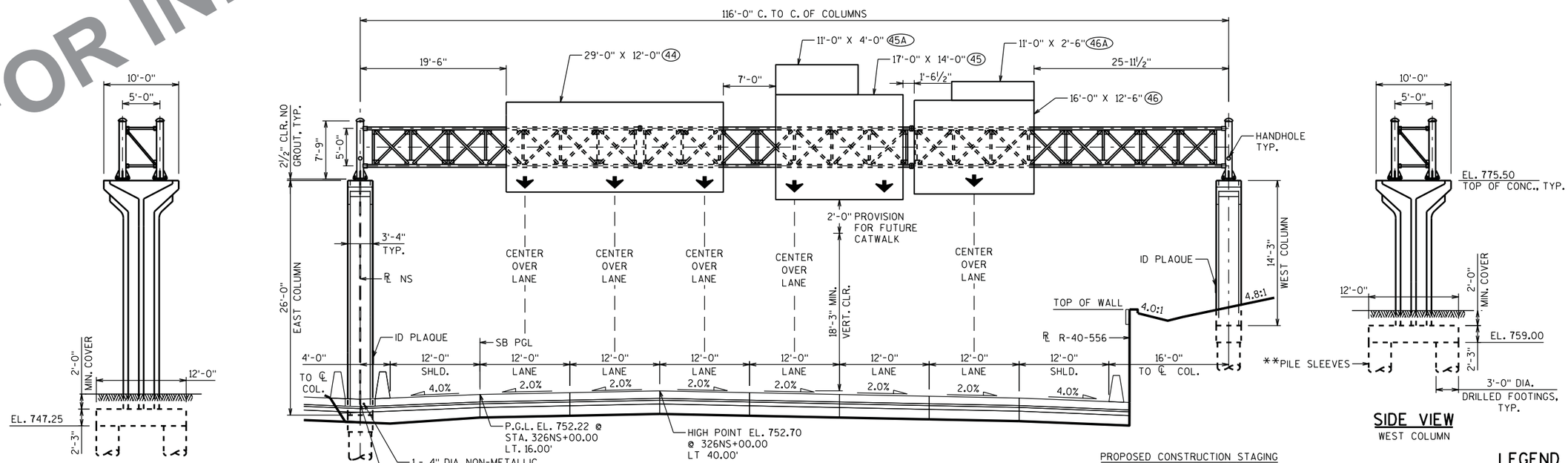
STATE PROJECT NUMBER
1060-33-80



PLAN



LOCATION MAP



SIDE VIEW
EAST COLUMN

ELEVATION

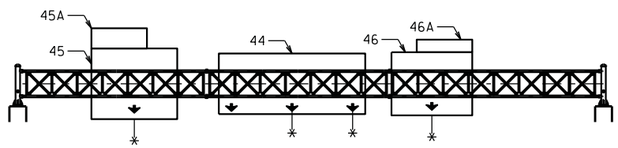
S-40-47, STA. 326NS+00.00
(LOOKING DOWN STATION AT FRONT OF SIGNS)
USH 45 SB

** SEE RETAINING WALL R-40-556 FOR PILE SLEEVE DETAIL & COST

SIDE VIEW
WEST COLUMN

PROPOSED CONSTRUCTION STAGING
1. PLACE PILE SLEEVES **, BUILD DRILLED FOOTINGS & FOUNDATION
2. BUILD WALL TO BOTTOM OF SIGN FOUNDATION
3. BUILD COLUMN
4. FINISH WALL CONSTRUCTION
5. FINISH SIGN BRIDGE CONSTRUCTION

LEGEND
(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)



SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT
* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

S-40-47 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	53
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	9,860
641.6600.0005	SIGN BRIDGE STRUCTURE S-40-47	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4050

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-47
GENERAL PLAN
& ELEVATION

SHEET 5 OF 24

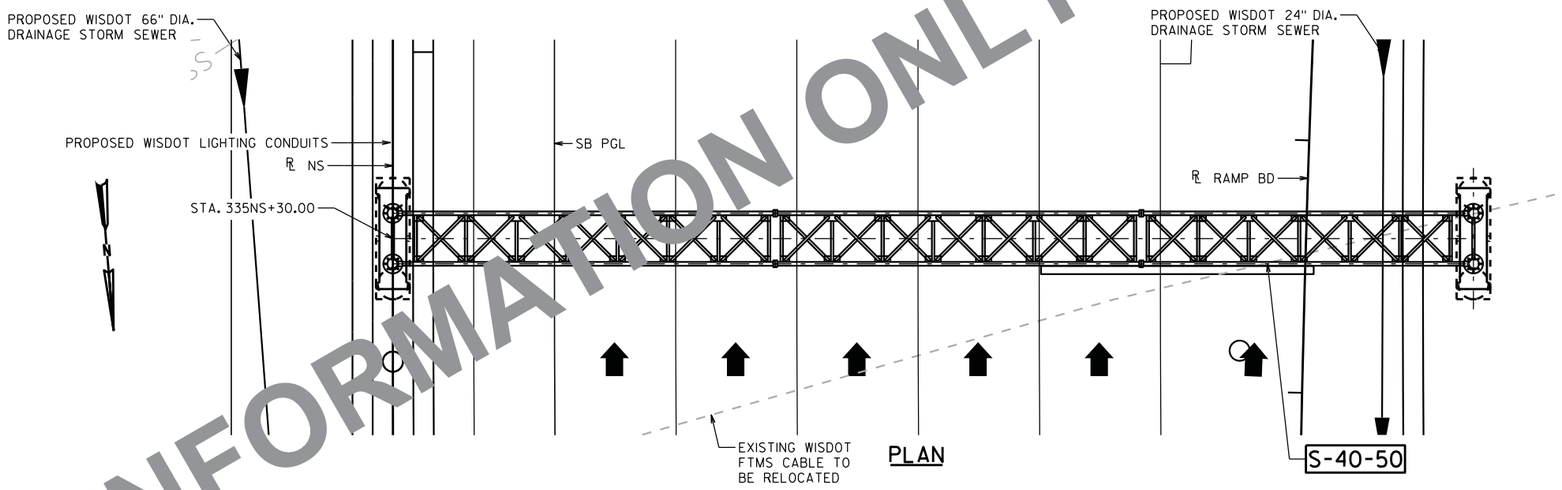
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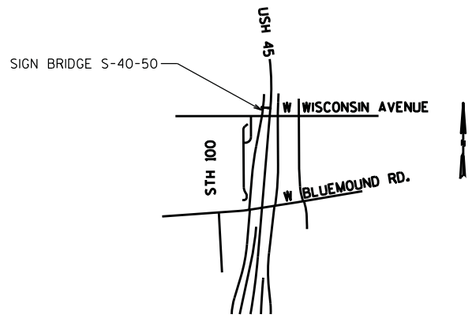
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PLOT SCALE : 15:1

FOR INFORMATION ONLY

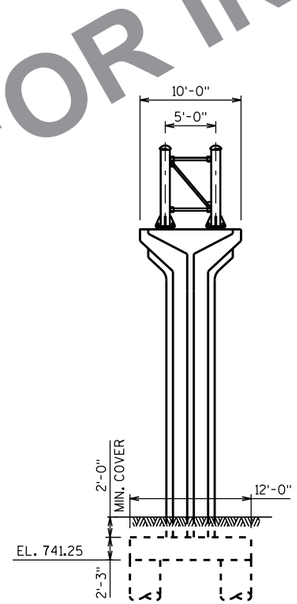
STATE PROJECT NUMBER
1060-33-80



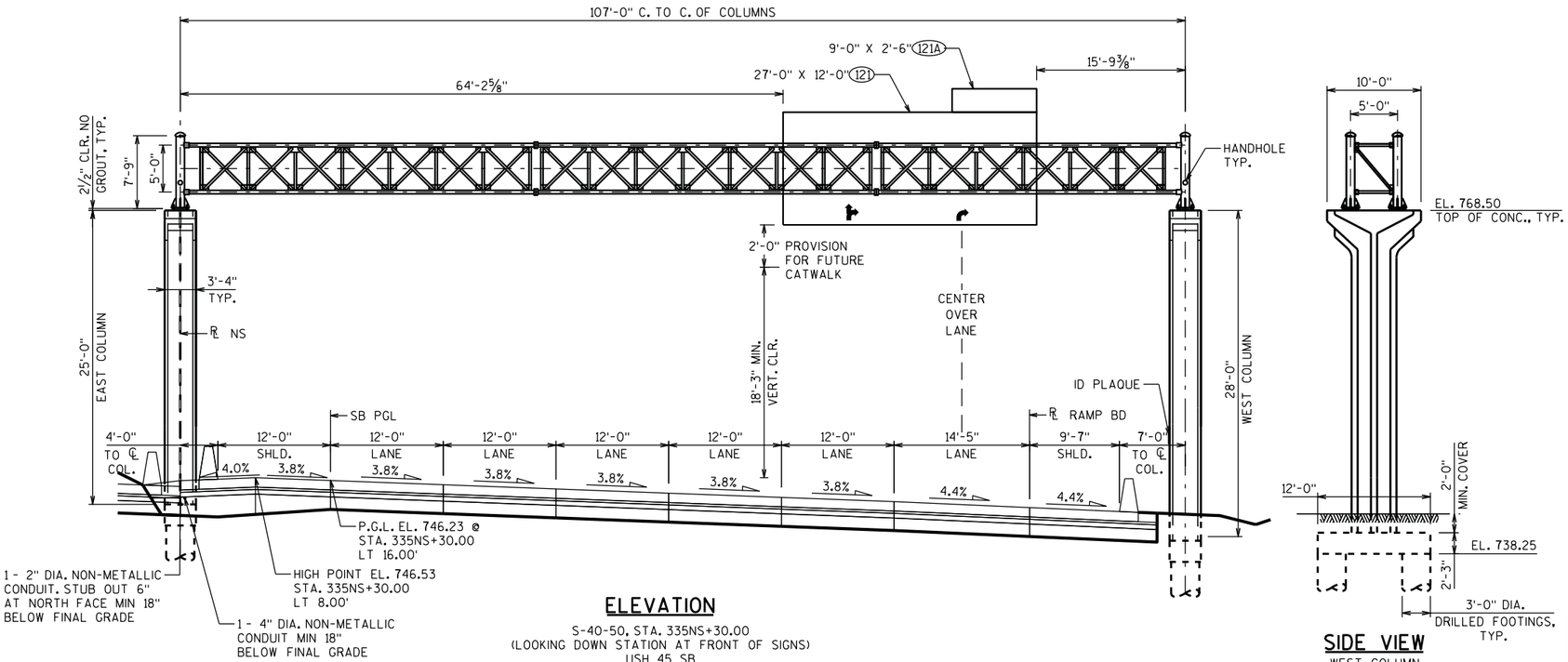
PLAN



LOCATION MAP



SIDE VIEW
EAST COLUMN



ELEVATION

S-40-50, STA. 335NS+30.00
(LOOKING DOWN STATION AT FRONT OF SIGNS)
USH 45 SB
NORTH BOUND ROADWAY & BARRIER WILL BE BUILT IN LATER CONTRACT - SEE ROADWAY PLANS

SIDE VIEW
WEST COLUMN

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-50 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	60
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	9,090
641.6600.0006	SIGN BRIDGE STRUCTURE S-40-50	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4060

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-50
GENERAL PLAN
& ELEVATION

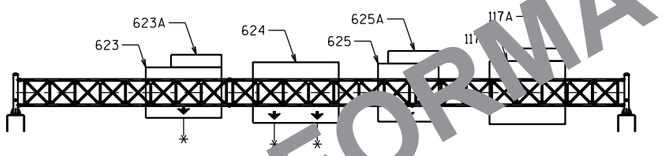
SHEET 6 OF 24

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PLOT BY : MSCAYG
PLOT NAME : S-40-50_106_gp
PLOT SCALE : 15:1

FOR INFORMATION ONLY

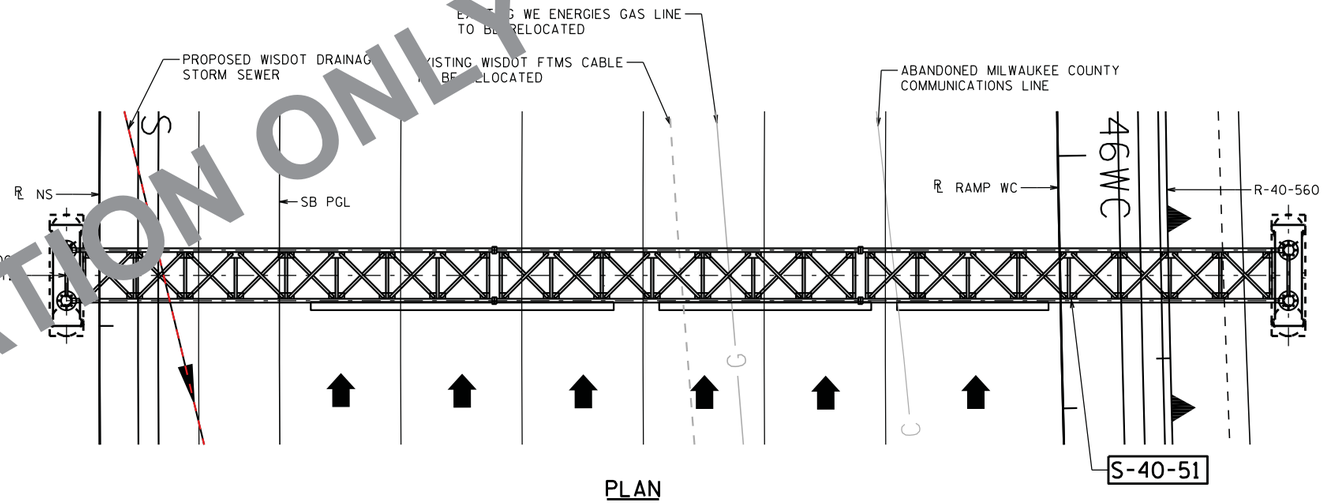
STATE PROJECT NUMBER
1060-33-80



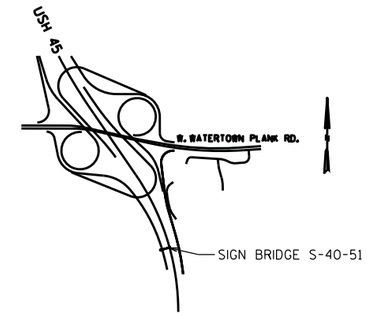
SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL [illegible] CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT

* CENTER ARROW UNDER INTERIM LANE CONFIGURATION



PLAN



LOCATION MAP

PROPOSED CONSTRUCTION STAGING
1. EXCAVATE TO TOP OF WALL
2. BUILD SIGN STRUCTURE AND WALL

SIDE VIEW
EAST COLUMN

ELEVATION

S-40-51, STA. 346NS+20.00
(LOOKING DOWN STATION AT FRONT OF SIGNS)
USH 45 SB

NORTH BOUND ROADWAY & BARRIER WILL BE BUILT IN LATER CONTRACT - SEE ROADWAY PLANS

SIDE VIEW
WEST COLUMN

S-40-51 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	56
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	10,510
641.6600.0007	SIGN BRIDGE STRUCTURE S-40-51	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4070

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

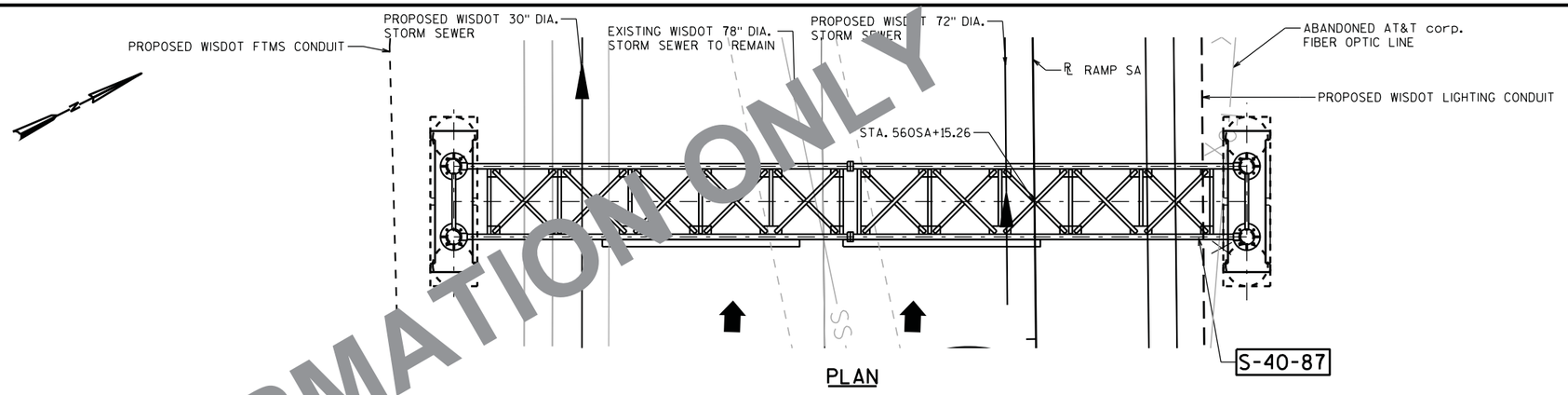
S-40-51
GENERAL PLAN
& ELEVATION

SHEET 7 OF 24

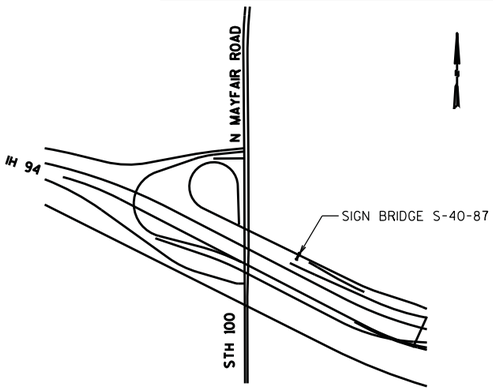
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FOR INFORMATION ONLY

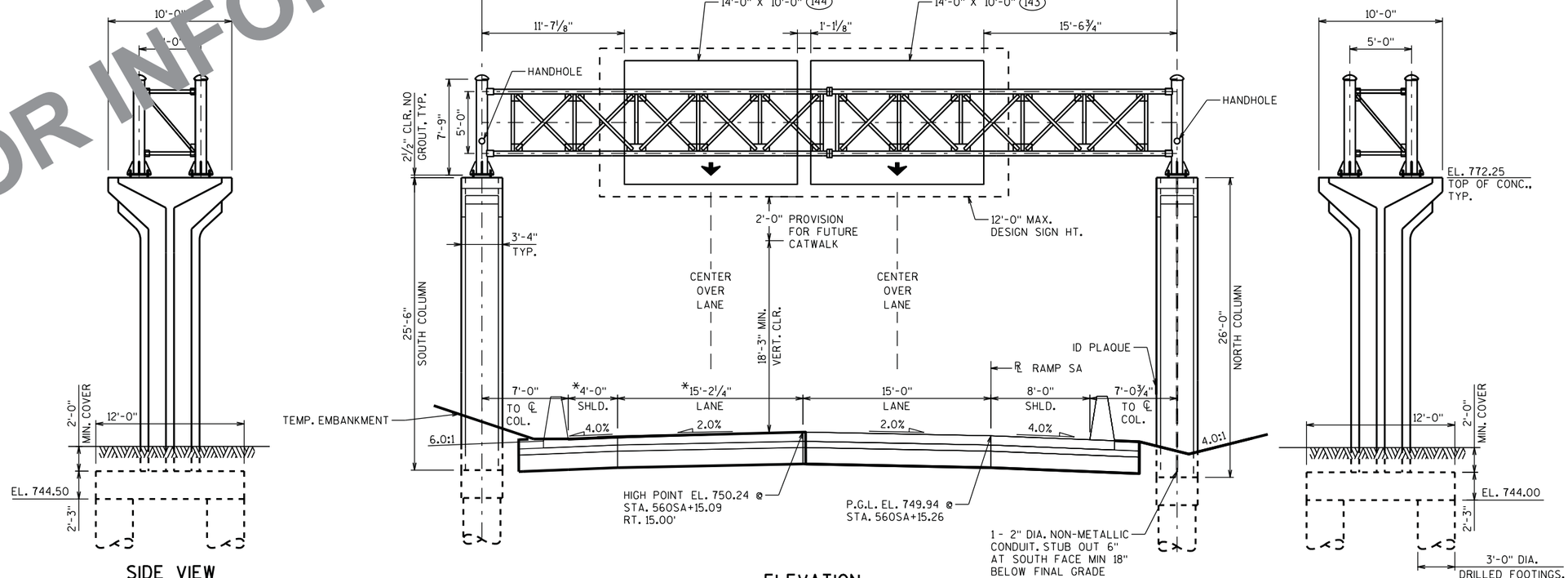
STATE PROJECT NUMBER
1060-33-80



PLAN



LOCATION MAP



ELEVATION

S-40-87, STA. 560SA+15.26
(LOOKING DOWN STATION AT FRONT OF SIGNS)
RAMP IH 94 WB TO 108TH STREET

* ROADWAY LEFT HALF WITH BARRIER & SLOPE PROTECTION WILL BE BUILT IN LATER CONTRACT - SEE ROADWAY PLANS

SIDE VIEW
SOUTH COLUMN

SIDE VIEW
NORTH COLUMN

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-87 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	59
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	8,930
641.6600.0008	SIGN BRIDGE STRUCTURE S-40-87	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4100

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-87
GENERAL PLAN
& ELEVATION

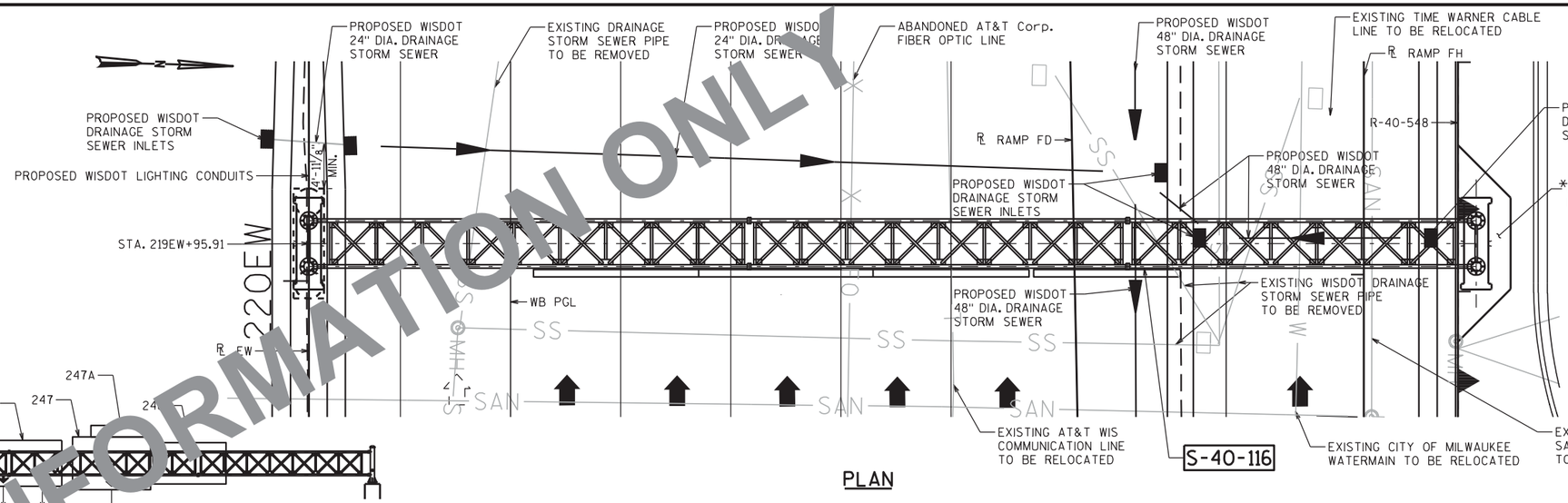
SHEET 8 OF 24

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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



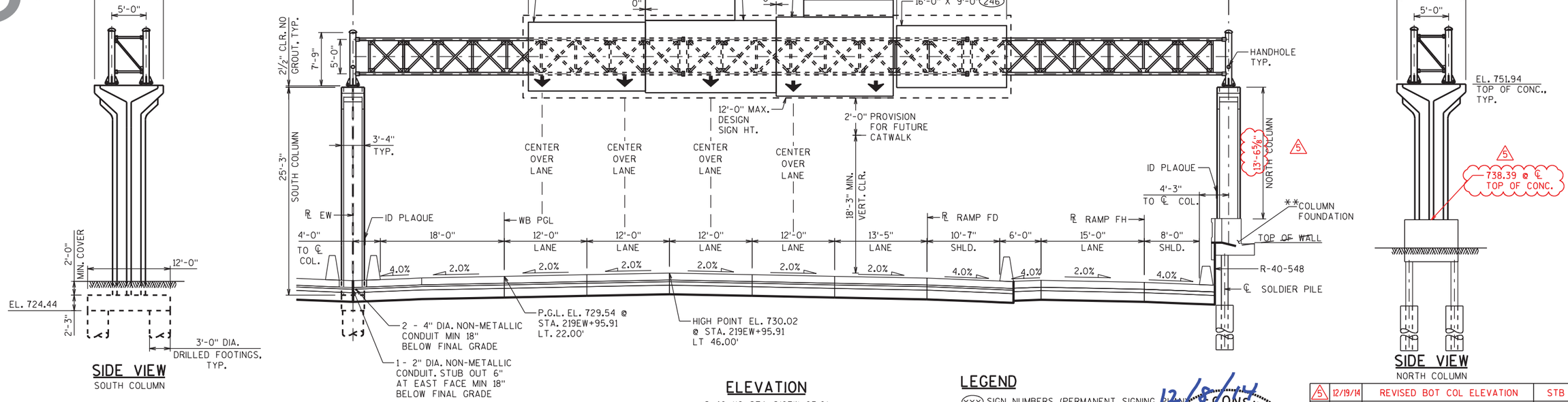
LOCATION MAP

PLAN

SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT

CENTER ARROW OVER INTERIM LANE CONFIGURATION



ELEVATION

S-40-116, STA. 219EW+95.91
(LOOKING DOWN STATION AT FRONT OF SIGNS)
IH 94 WB

** SEE STRUCTURAL DRAWINGS R-40-548

SIDE VIEW

SOUTH COLUMN

SIDE VIEW

NORTH COLUMN

S-40-116 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	39
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,830
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	9,100
641.6600.0010	SIGN BRIDGE STRUCTURE S-40-116	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4120

LEGEND

(XXX) SIGN NUMBERS (PERMANENT SIGNING ONLY)

PROPOSED CONSTRUCTION STAGING

1. BUILD WALL R-40-548
2. BUILD WALL PARAPET & COLUMN FOUNDATION
3. BUILD NORTH COLUMN
4. BUILD SOUTH COLUMN, MATCH TOP OF COLUMN ELEVATIONS
5. ERECT SIGN TRUSS

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
12/12/14

12/18/14

WISCONSIN
SEAN T. BLACK
E-42904
WAUKESHA, WI
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY
5	12/19/14	REVISED BOT COL ELEVATION	STB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-116
GENERAL PLAN
& ELEVATION

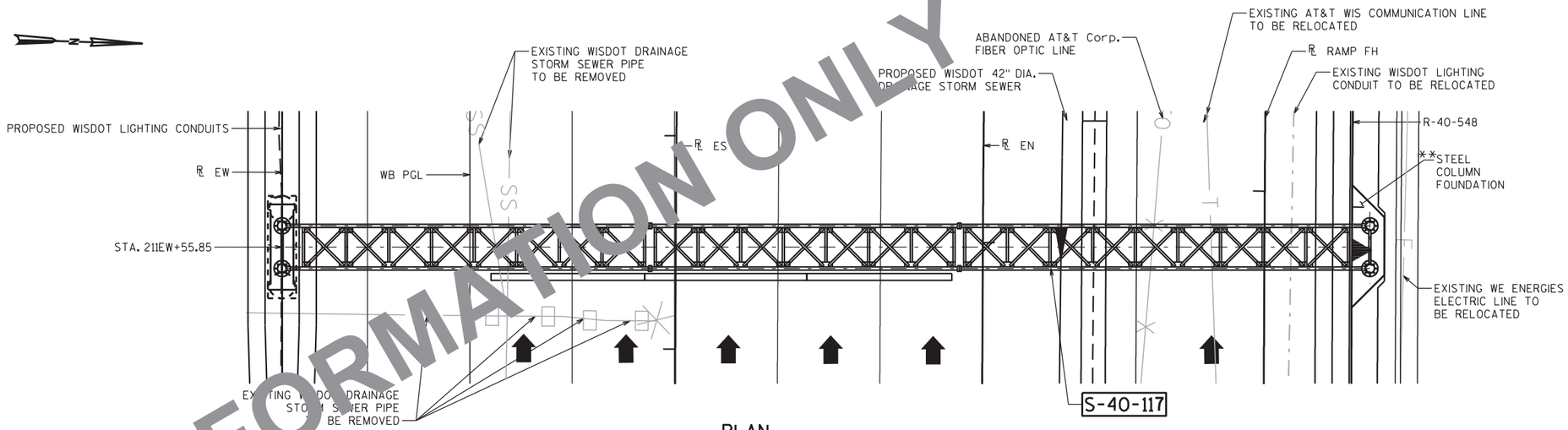
SHEET 9 OF 24

3276
6645

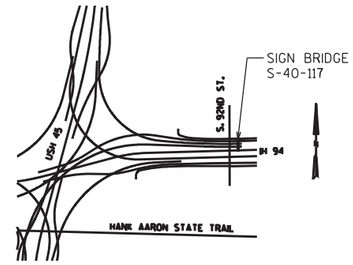
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PLOT BY : MSCSTB
PLOT NAME : S-40-116_109_gp REV5
PLOT SCALE : 15:1

FOR INFORMATION ONLY

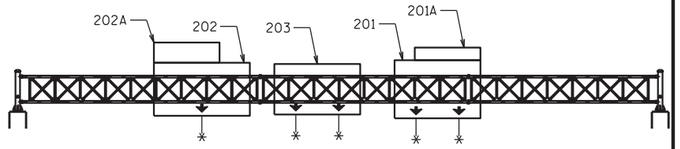
STATE PROJECT NUMBER
1060-33-80



PLAN



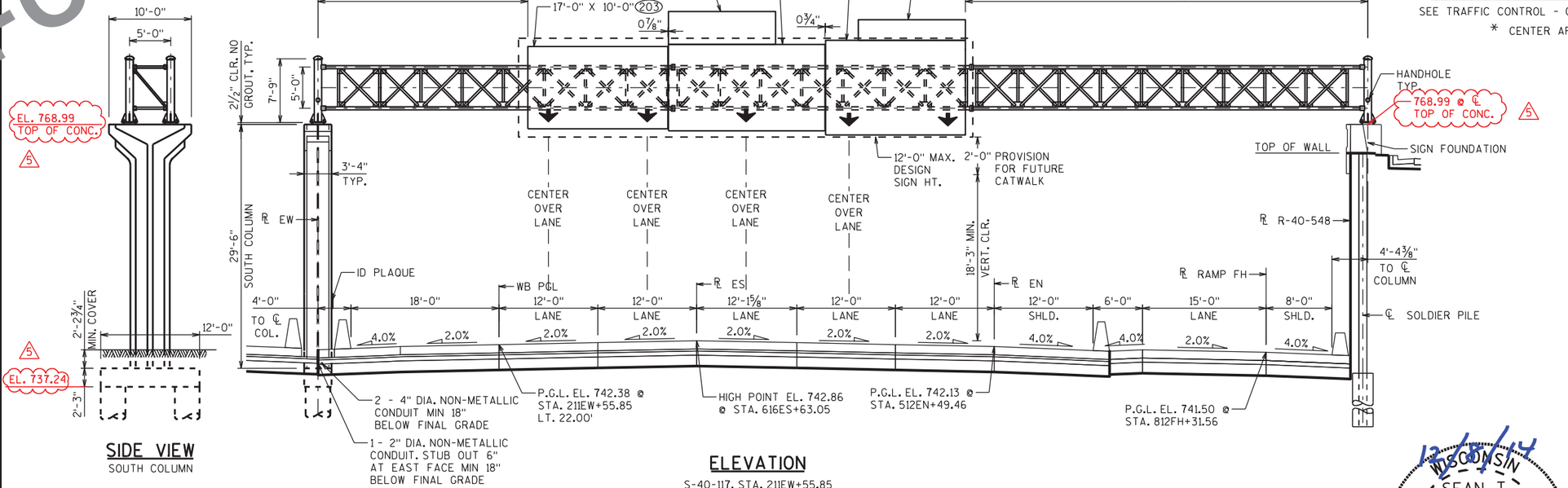
LOCATION MAP



SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT

* CENTER ARROWS OVER INTERIM LANE CONFIGURATION



SIDE VIEW
SOUTH COLUMN

ELEVATION

S-40-117, STA. 211EW+55.85
(LOOKING DOWN STATION AT FRONT OF SIGNS)
IH 94 WB

** SEE STRUCTURAL DRAWINGS R-40-548

S-40-117 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	32
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,830
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	7,350
641.6600.0011	SIGN BRIDGE STRUCTURE S-40-117	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4130

PROPOSED CONSTRUCTION STAGING

1. BUILD WALL R-40-548
2. BUILD WALL PARAPET & COLUMN FOUNDATION
3. BUILD NORTH COLUMN
4. BUILD SOUTH COLUMN, MATCH TOP OF COLUMN ELEVATIONS
5. ERECT SIGN TRUSS

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
12/12/14

LEGEND

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

WISCONSIN
SEAN T. BLACK
E-42904
WAUKESHA, WI
PROFESSIONAL ENGINEER
12/18/14

NO.	DATE	REVISION	BY
5	12/19/14	REVISED BOT COL ELEVATION	STB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

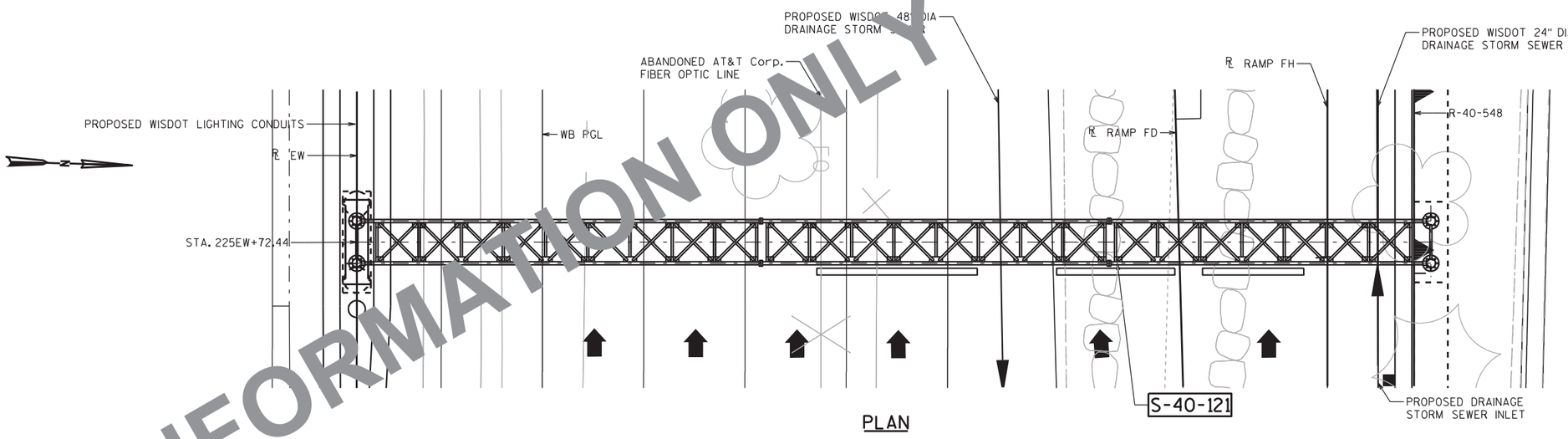
S-40-117
GENERAL PLAN
& ELEVATION

SHEET 10 OF 24

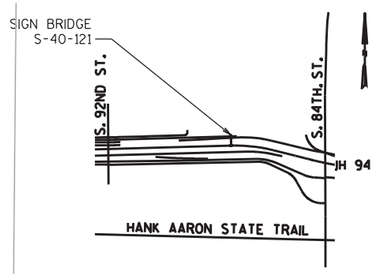
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6646

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

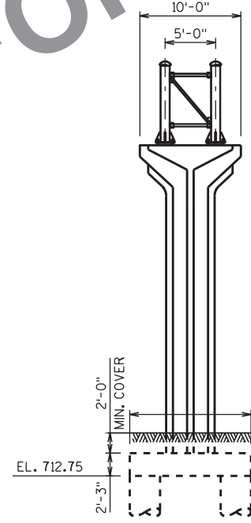


LOCATION MAP

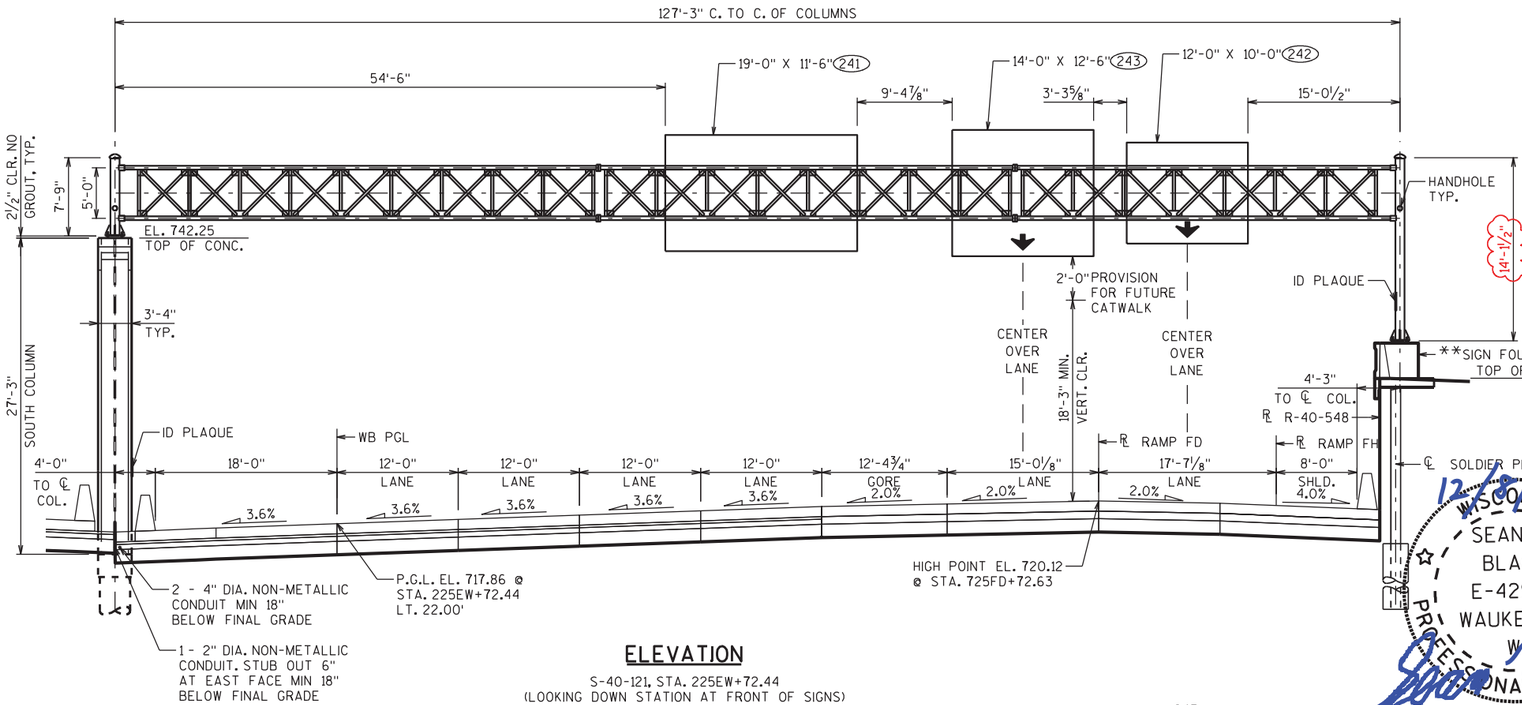
PROPOSED CONSTRUCTION STAGING
1. BUILD WALL R-40-548
2. BUILD WALL PARAPET & SIGN FOUNDATION
3. BUILD SOUTH COLUMN. CO-ORDINATE TOP OF COLUMN ELEVATION & TOP OF SIGN FOUNDATION ELEVATION SO THAT SIGN TRUSS IS HORIZONTAL
4. ERECT SIGN TRUSS

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

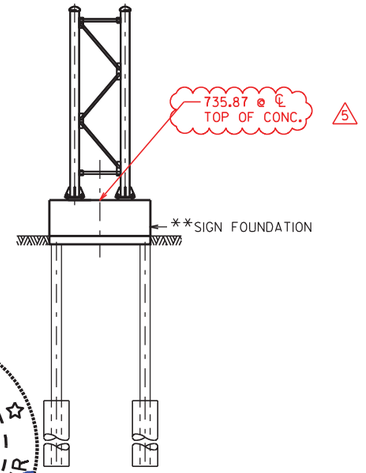


SIDE VIEW
SOUTH COLUMN



ELEVATION
S-40-121, STA. 225EW+72.44
(LOOKING DOWN STATION AT FRONT OF SIGNS)
IH 94 WB

** SEE STRUCTURAL DRAWINGS R-40-548



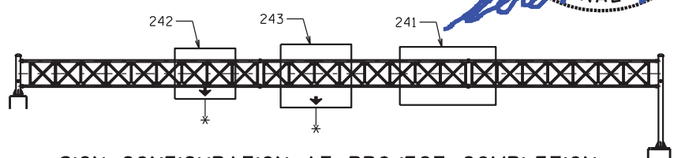
SIDE VIEW
NORTH COLUMN

S-40-121 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	39
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,830
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	6,950
641.6600.0012	SIGN BRIDGE STRUCTURE S-40-121	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4160

Plan Sheet Accepted By WISDOT
BUREAU OF STRUCTURES
12/12/14



SIGN CONFIGURATION AT PROJECT COMPLETION
SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT
* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

12/18/14
WISCONSIN
SEAN T. BLACK
E-42904
WAUKESHA, WI
PROFESSIONAL ENGINEER

NO.	DATE	REVISION	BY
5	12/19/14	REVISED BOT COL ELEVATION	STB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-121
GENERAL PLAN
& ELEVATION

SHEET 11 OF 24

3278
6647

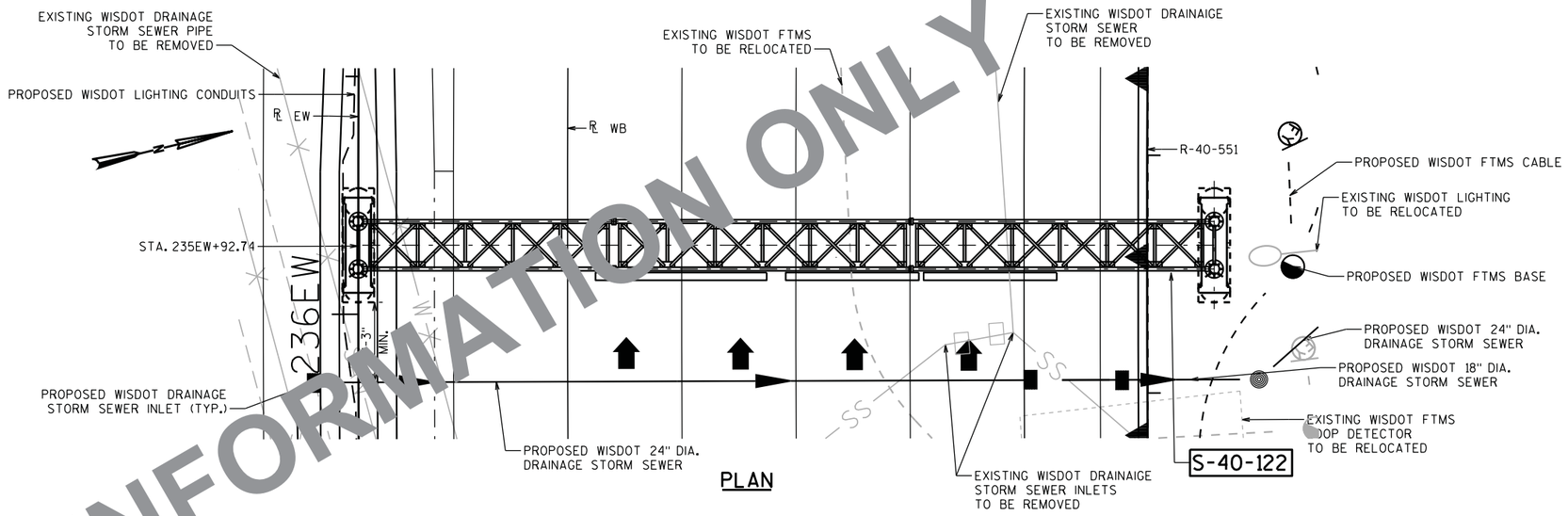
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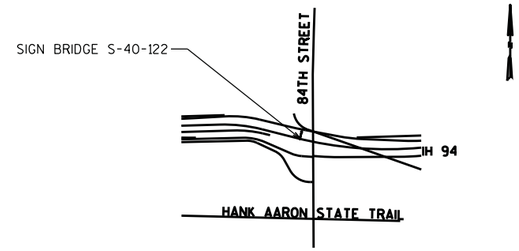
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FOR INFORMATION ONLY

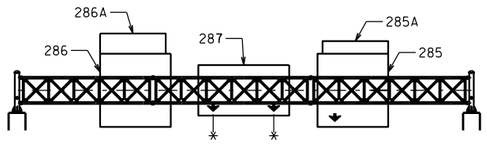
STATE PROJECT NUMBER
1060-33-80



PLAN



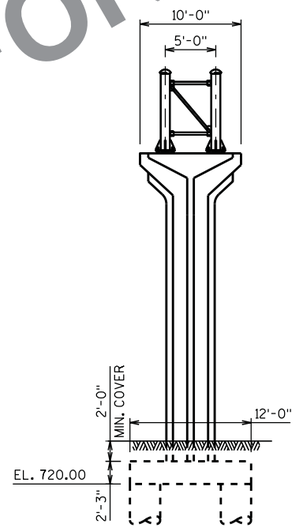
LOCATION MAP



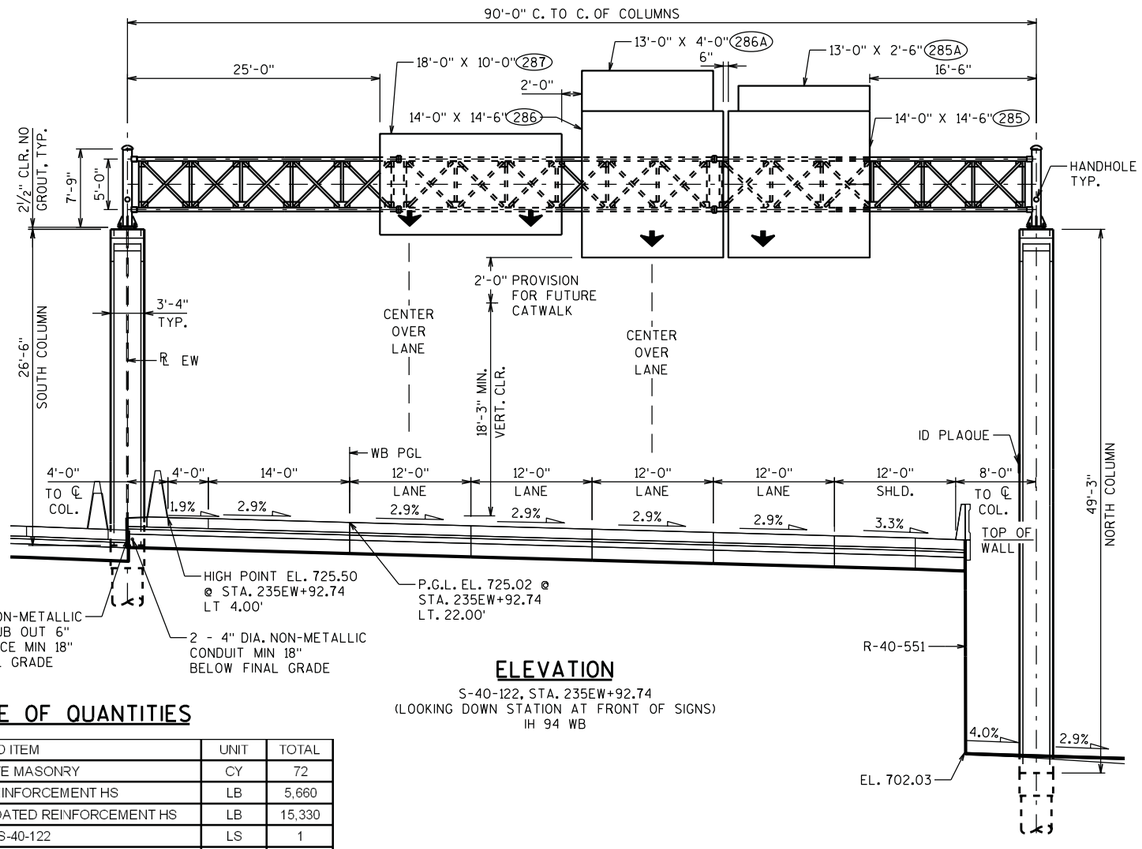
SIGN CONFIGURATION AT PROJECT COMPLETION

SEE TRAFFIC CONTROL - CONSTRUCTION DETAILS FOR SIGN SIZES & PLACEMENT

* CENTER ARROWS OVER INTERIM LANE CONFIGURATION

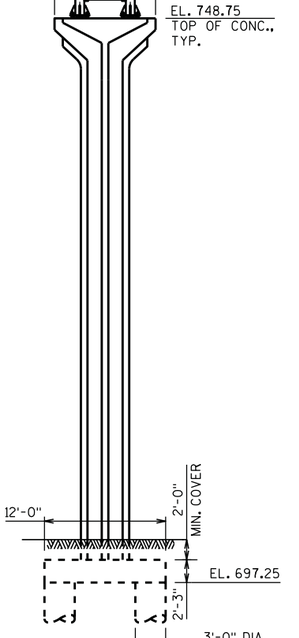


SIDE VIEW
SOUTH COLUMN



ELEVATION

S-40-122, STA. 235EW+92.74
(LOOKING DOWN STATION AT FRONT OF SIGNS)
IH 94 WB



SIDE VIEW
NORTH COLUMN

PROPOSED CONSTRUCTION STAGING
1. BUILD NORTH COLUMN FOUNDATION
2. BUILD WALL R-40-551
3. BUILD NORTH COLUMN & BUILD SOUTH FOUNDATION & COLUMN
4. ERECT SIGN TRUSS

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-122 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	72
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	15,330
641.6600.0013	SIGN BRIDGE STRUCTURE S-40-122	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4170

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-122
GENERAL PLAN
& ELEVATION

SHEET 12 OF 24

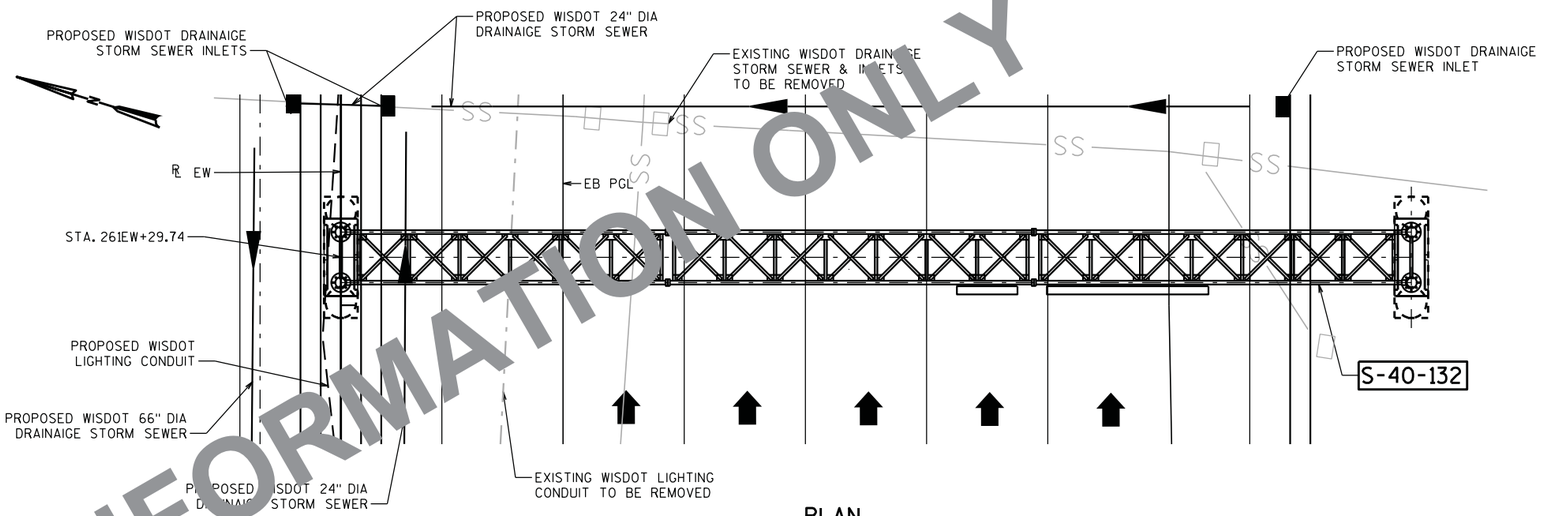
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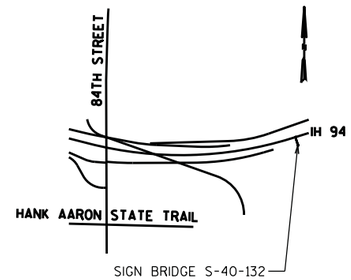
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FOR INFORMATION ONLY

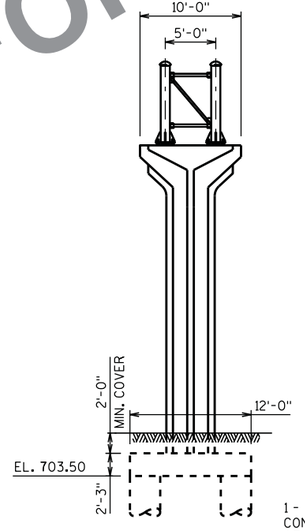
STATE PROJECT NUMBER
1060-33-80



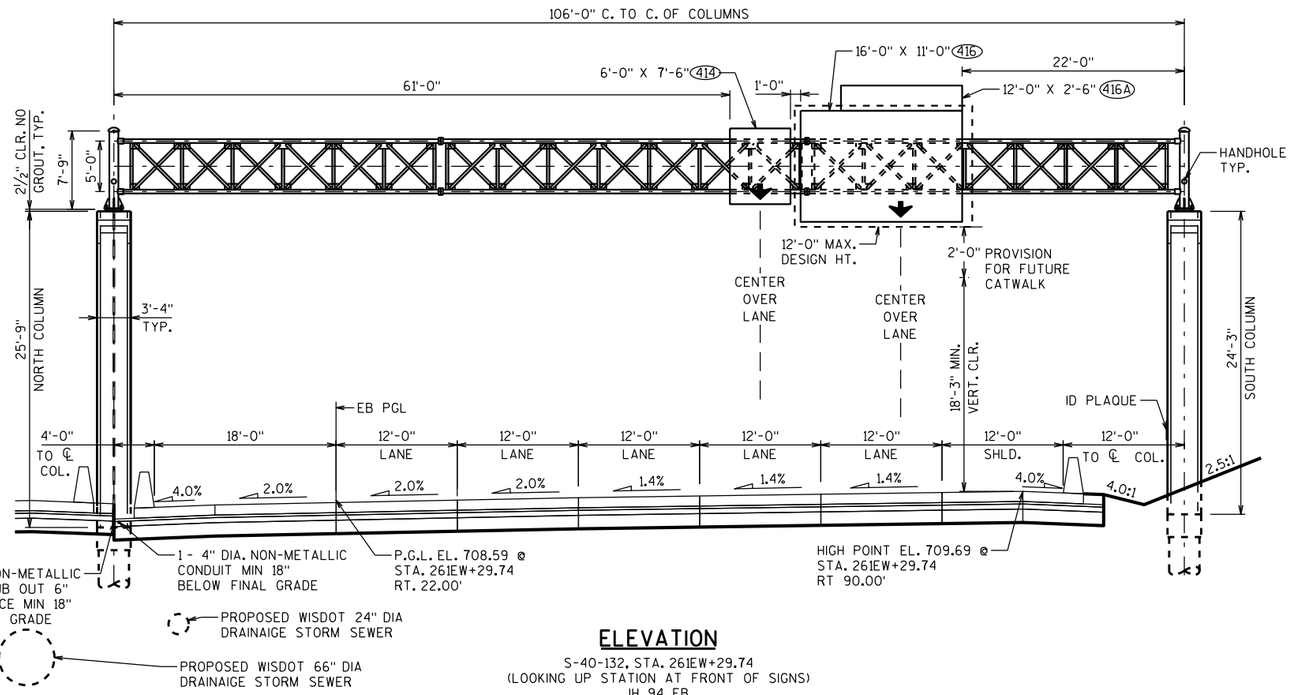
PLAN



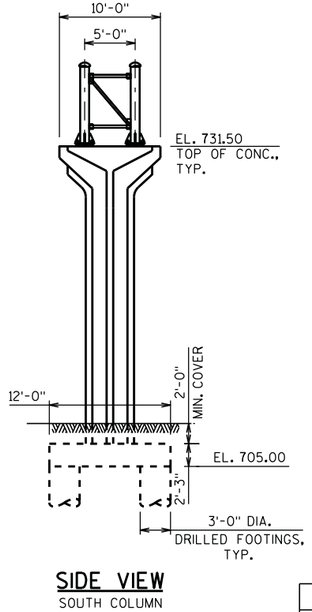
LOCATION MAP



SIDE VIEW
NORTH COLUMN



ELEVATION
S-40-132, STA. 261EW+29.74
(LOOKING UP STATION AT FRONT OF SIGNS)
IH 94 EB



SIDE VIEW
SOUTH COLUMN

LEGEND

(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

S-40-132 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	58
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	8,730
641.6600.0014	SIGN BRIDGE STRUCTURE S-40-132	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4220

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

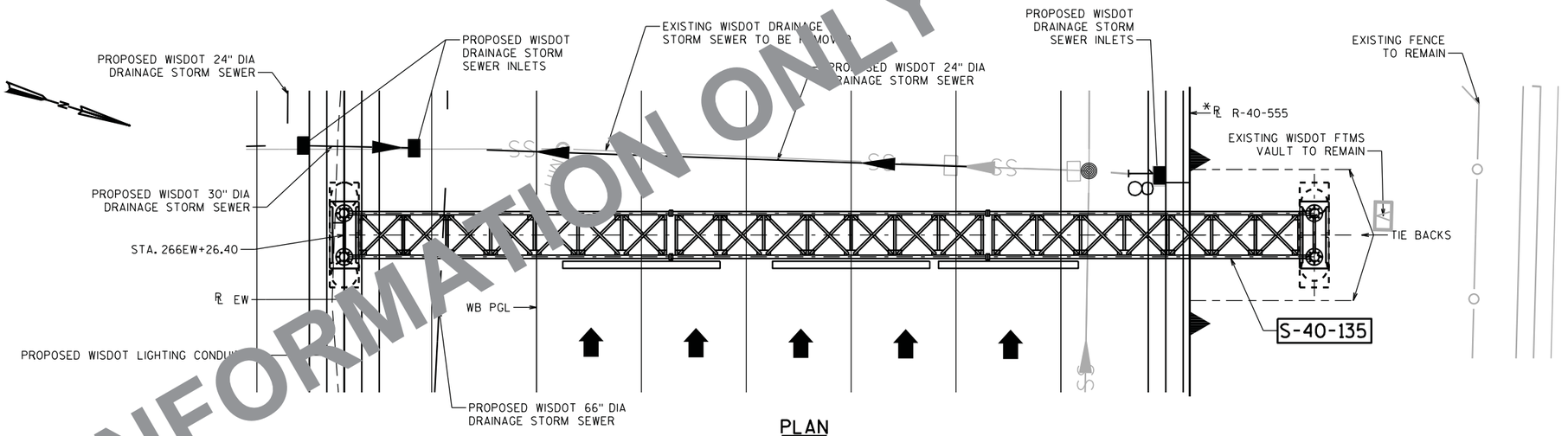
S-40-132
GENERAL PLAN
& ELEVATION

SHEET 13 OF 24

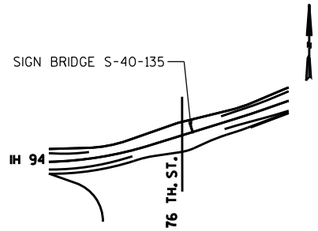
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FOR INFORMATION ONLY

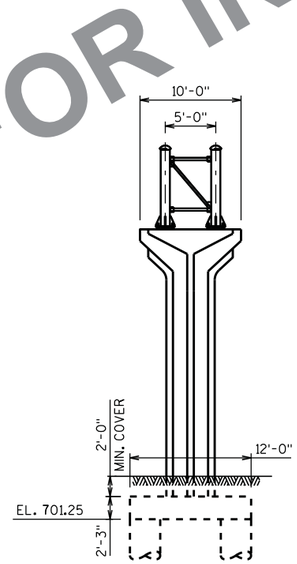
STATE PROJECT NUMBER
1060-33-80



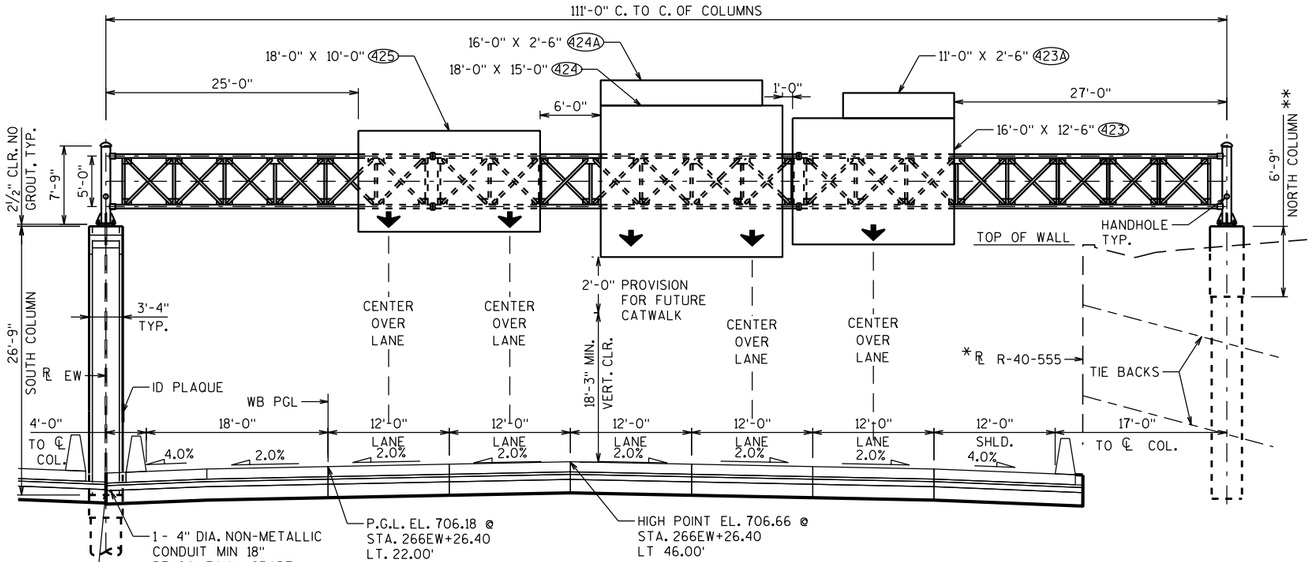
PLAN



LOCATION MAP

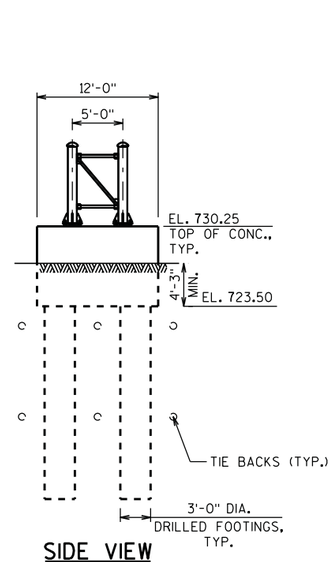


SIDE VIEW
SOUTH COLUMN



ELEVATION

S-40-135, STA. 266EW+26.40
(LOOKING DOWN STATION AT FRONT OF SIGNS)
IH 94 WB



SIDE VIEW
** NORTH COLUMN

S-40-135 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	51
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,550
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	6,860
641.6600.0015	SIGN BRIDGE STRUCTURE S-40-135	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4240

* SEE R-40-555 PLANS (1060-33-78) FOR TIEBACK LOCATIONS

** CONSTRUCT NORTH COLUMN PRIOR TO SOUTH COLUMN TO ENSURE FOUNDATION ALIGNMENT

PROPOSED CONSTRUCTION STAGING

R-40-555 TO BE BUILT IN PREVIOUS CONTRACT
1. EXPLORE TIE BACK LOCATIONS
2. ADJUST DRILLED FOOTINGS IF NEEDED TO AVOID TIE BACKS
3. BUILD DRILLED FOOTINGS
4. BUILD NORTH FOUNDATION, ADJUST IF NEEDED TO CENTER FOUNDATION UNDER SIGN TRUSS SUPPORTS
5. BUILD SOUTH FOUNDATION & COLUMN, ENSURE NORTH & SOUTH TRUSS SUPPORTS ALIGN
6. ERECT SIGN TRUSS

LEGEND

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-135
GENERAL PLAN
& ELEVATION

SHEET 14 OF 24

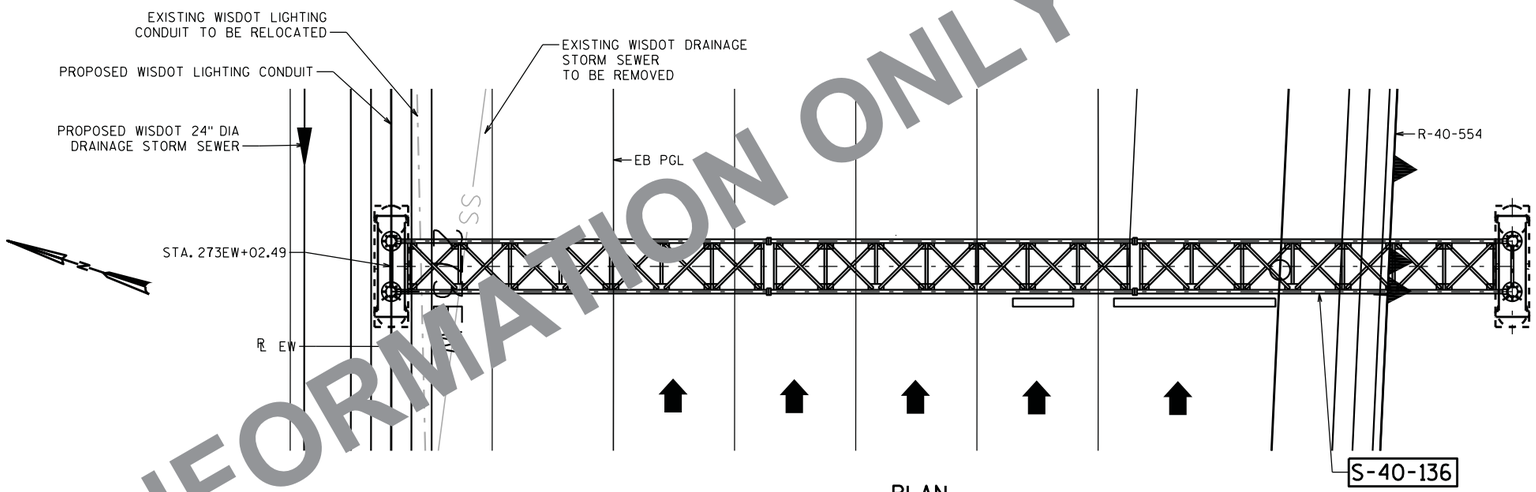
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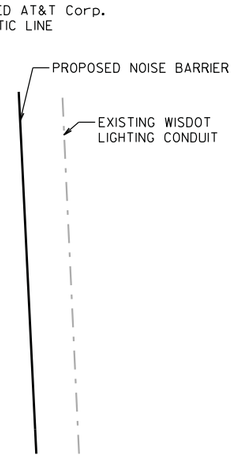
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PLOT BY : MSCAYG
PLOT NAME : S-40-135_114_gp
PLOT SCALE : 15:1

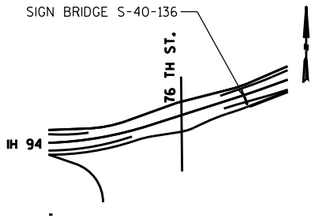
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

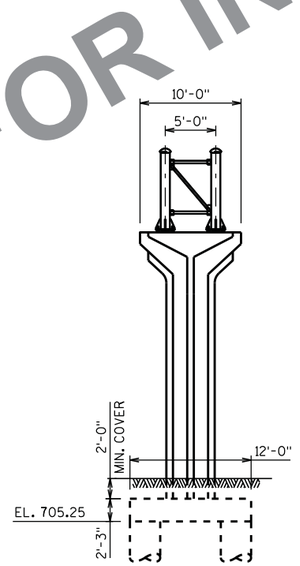


PLAN

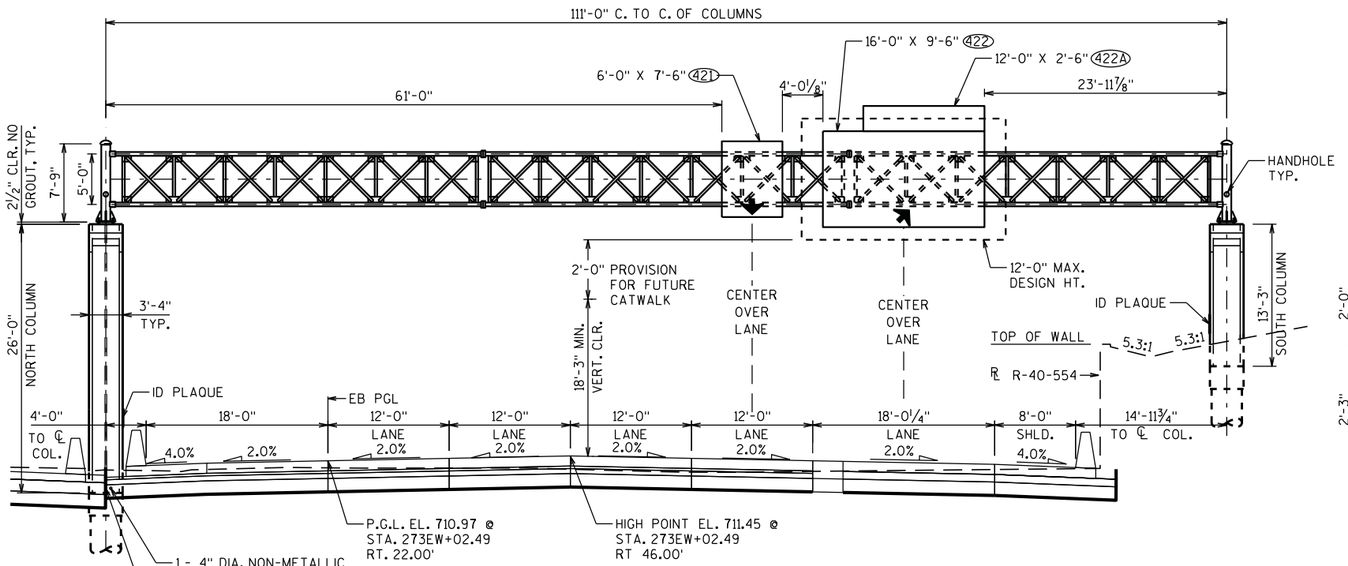




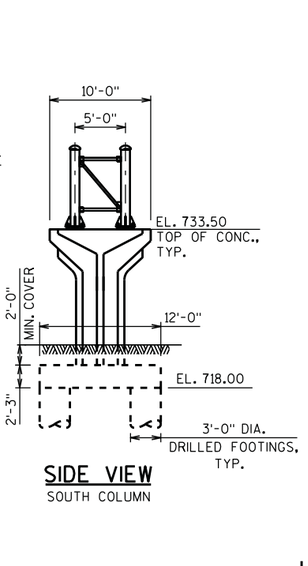
LOCATION MAP



SIDE VIEW
NORTH COLUMN



ELEVATION
S-40-136, STA. 273EW+02.49
(LOOKING UP STATION AT FRONT OF SIGNS)
IH 94 EB



SIDE VIEW
SOUTH COLUMN

S-40-136 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	53
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	5,660
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	9,740
641.6600.0016	SIGN BRIDGE STRUCTURE S-40-136	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	2

ALL ITEMS ARE CATEGORY 4250

LEGEND
(xxx) SIGN NUMBERS (PERMANENT SIGNING PLAN)

PROPOSED CONSTRUCTION STAGING
R-40-554 TO BE BUILT IN PREVIOUS CONTRACT
1. BUILD NORTH & SOUTH FOUNDATIONS
2. ERECT SIGN TRUSS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

S-40-136
GENERAL PLAN
& ELEVATION

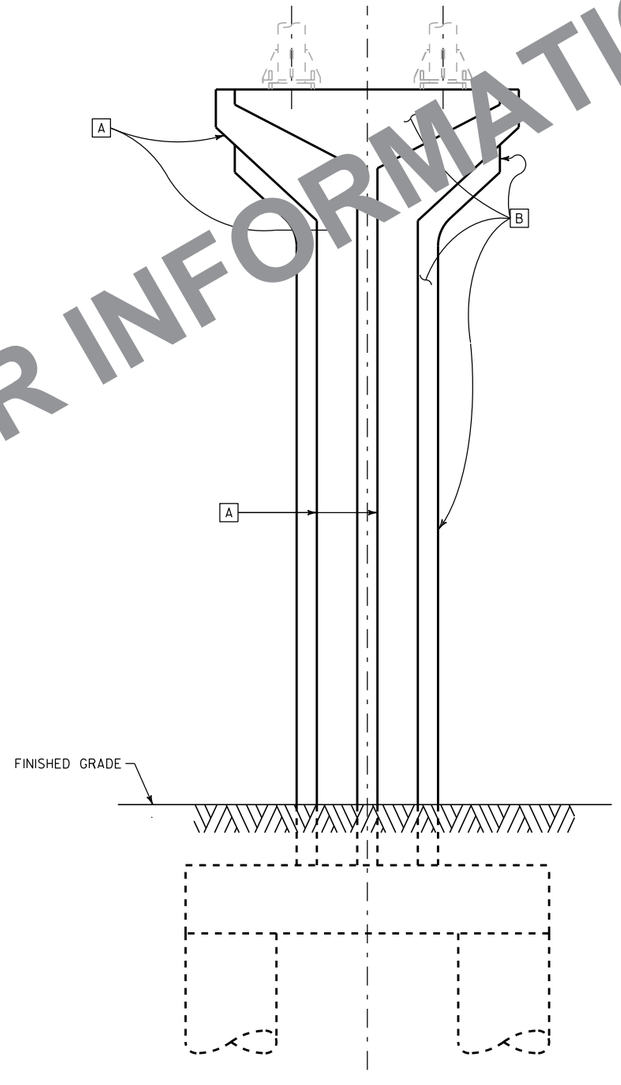
SHEET 15 OF 24

6651

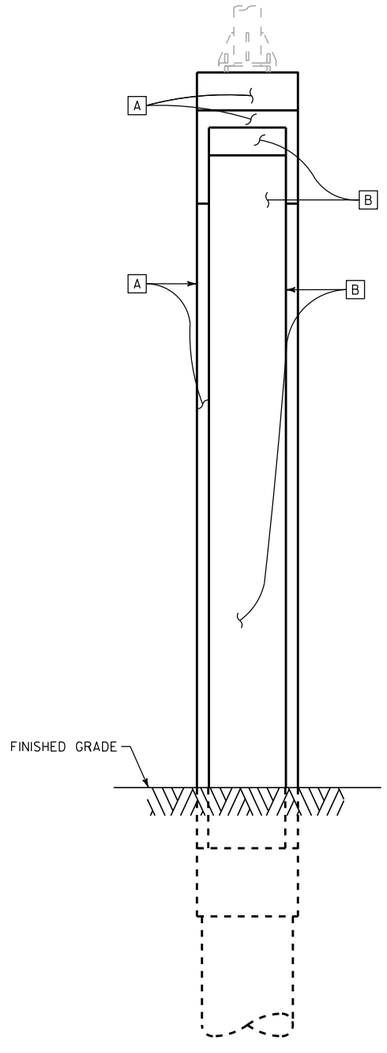
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PLOT BY : MSCAYG
PLOT NAME : S-40-136_115_gp
PLOT SCALE : 15:1

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



ELEVATION VIEW



END VIEW

CONCRETE STAINING SCHEDULE

MARK	COLOR	NOTES
A	BASE COLOR	SIDES TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	REVEALS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NOTE

THE COST FOR REVEALS AND CONCRETE AESTHETIC DETAILS ARE INCIDENTAL TO BID ITEM "SIGN SUPPORTS CONCRETE MASONRY".

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-22/27/44/47/50/51/87/
116/117/121/122/132/135/136

DRAWN BY AG | PLANS CK'D. STB

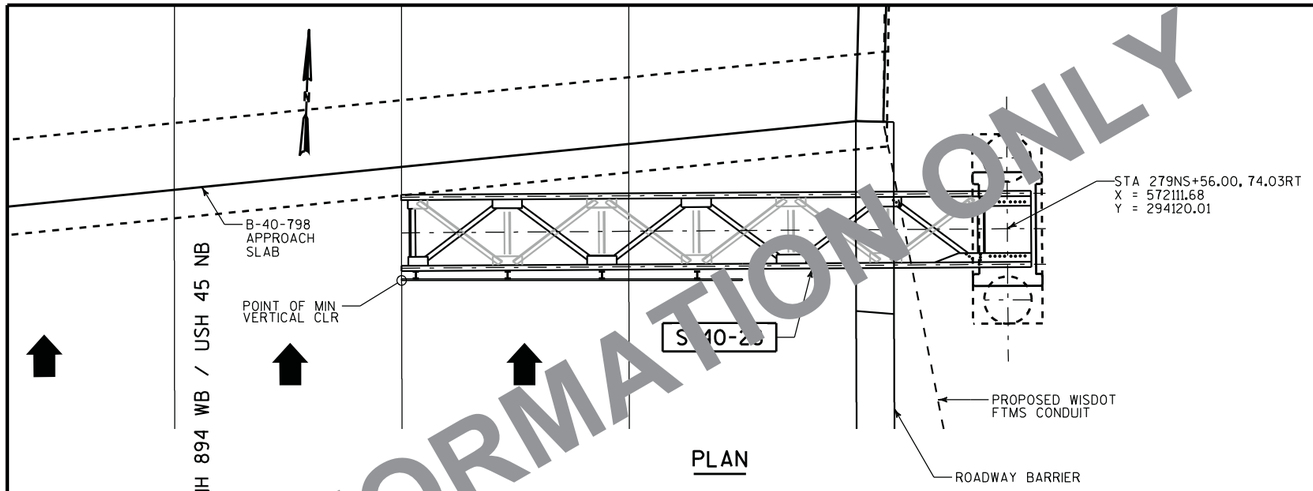
CONCRETE COLUMN AESTHETIC DETAILS

SHEET 24 OF 24

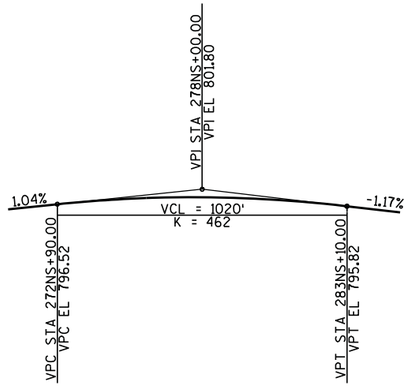
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FOR INFORMATION ONLY

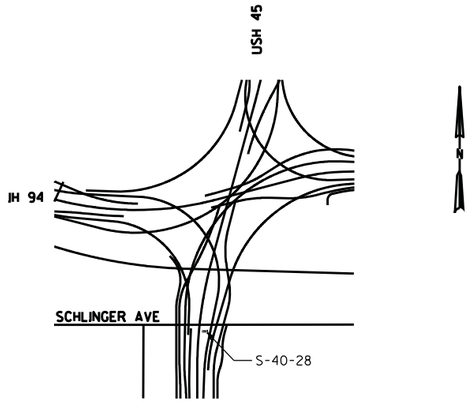
STATE PROJECT NUMBER
1060-33-80



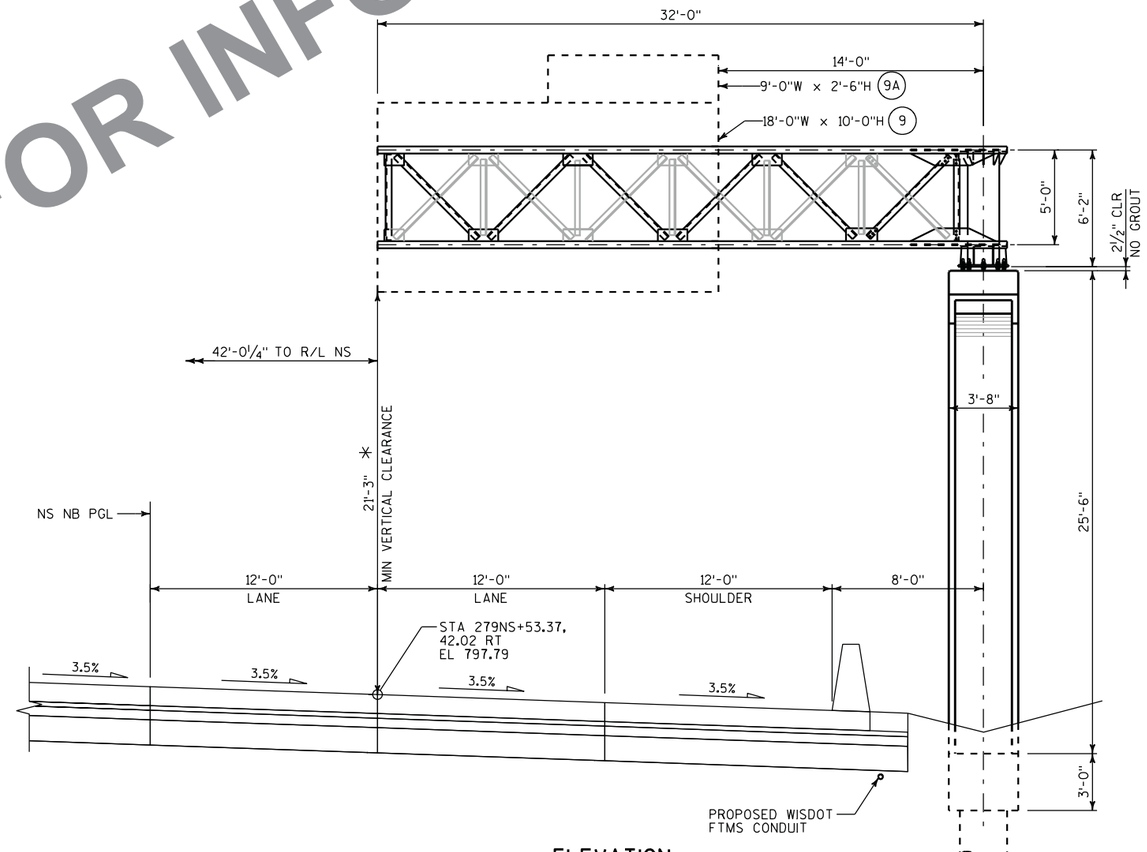
PLAN



PROFILE GRADE LINE NS NB

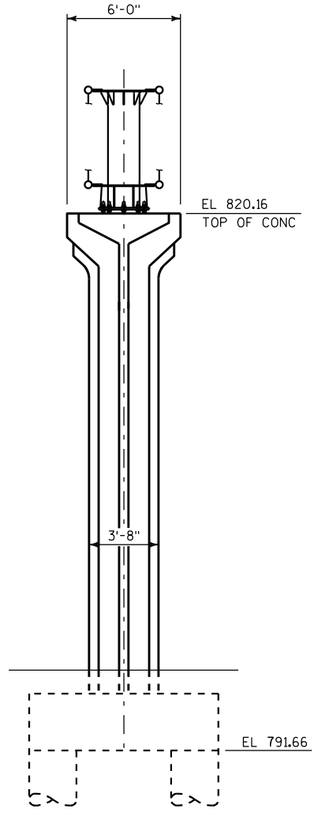


LOCATION MAP



ELEVATION

S-40-28 - STA 279NS+56.00
IH 894 WB / USH 45 NB
(LOOKING UP STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,260
641.1200.0001	SIGN BRIDGE CANTILEVERED S-40-28 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4020

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-28
GENERAL PLAN
& ELEVATION

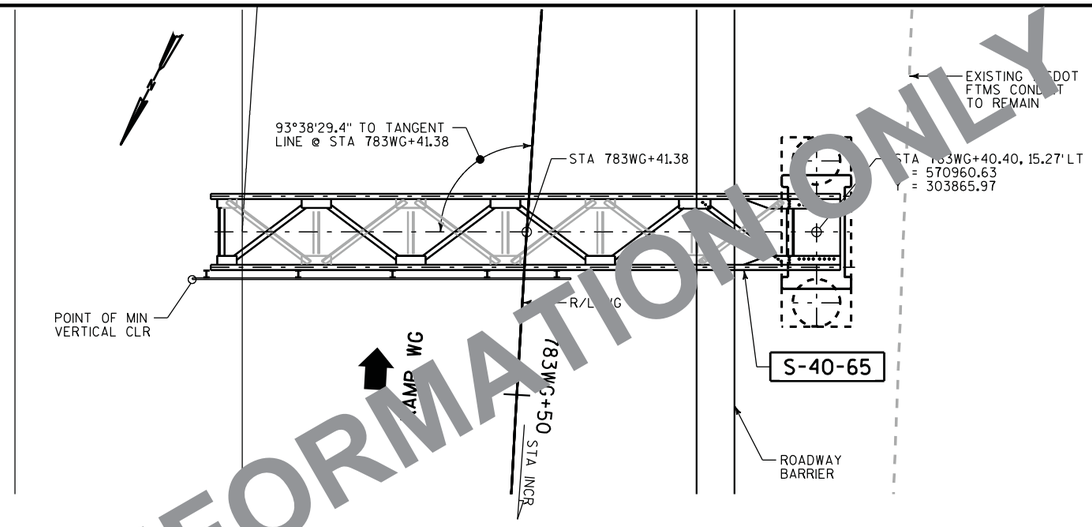
SHEET 2 OF 20

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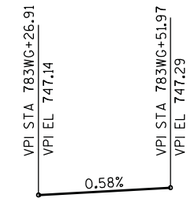
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FOR INFORMATION ONLY

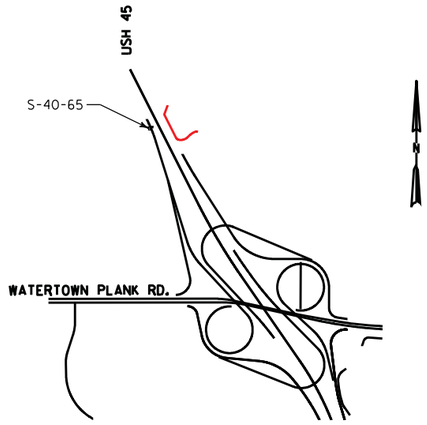
STATE PROJECT NUMBER
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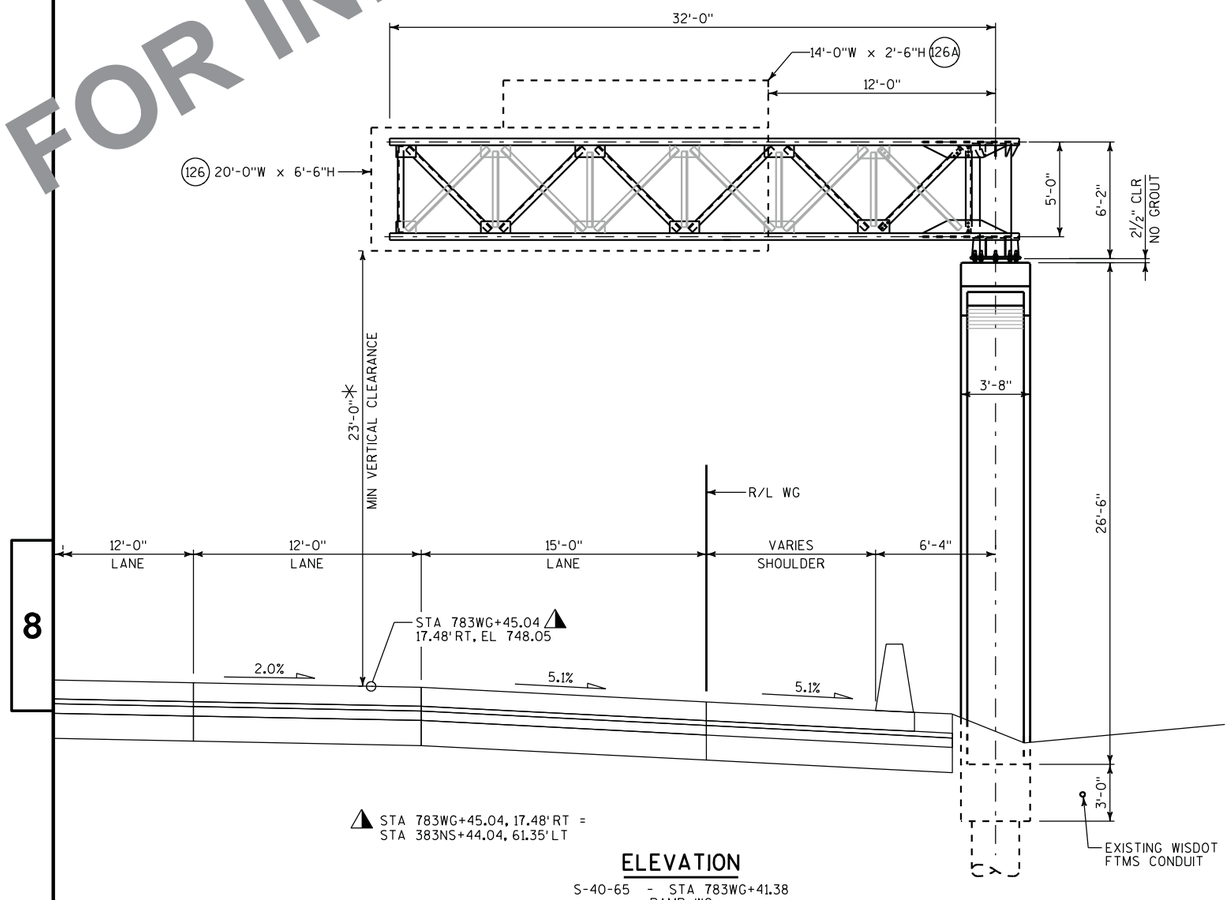
PLAN



PROFILE GRADE LINE WG

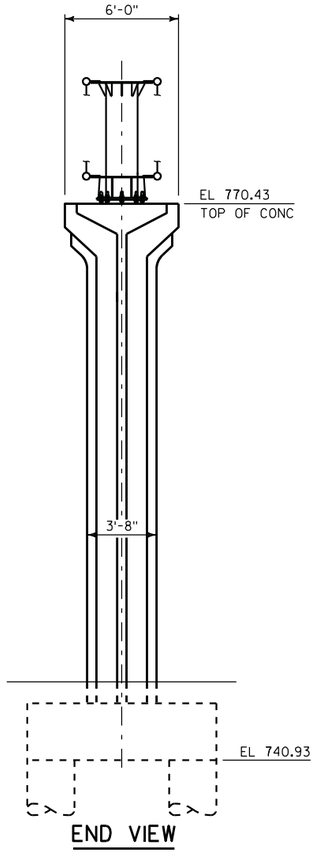


LOCATION MAP



ELEVATION

S-40-65 - STA 783WG+41.38
RAMP WG
(LOOKING DOWNSTATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,355
641.1200.0002	SIGN BRIDGE CANTILEVERED S-40-65 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4080

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-65
GENERAL PLAN
& ELEVATION

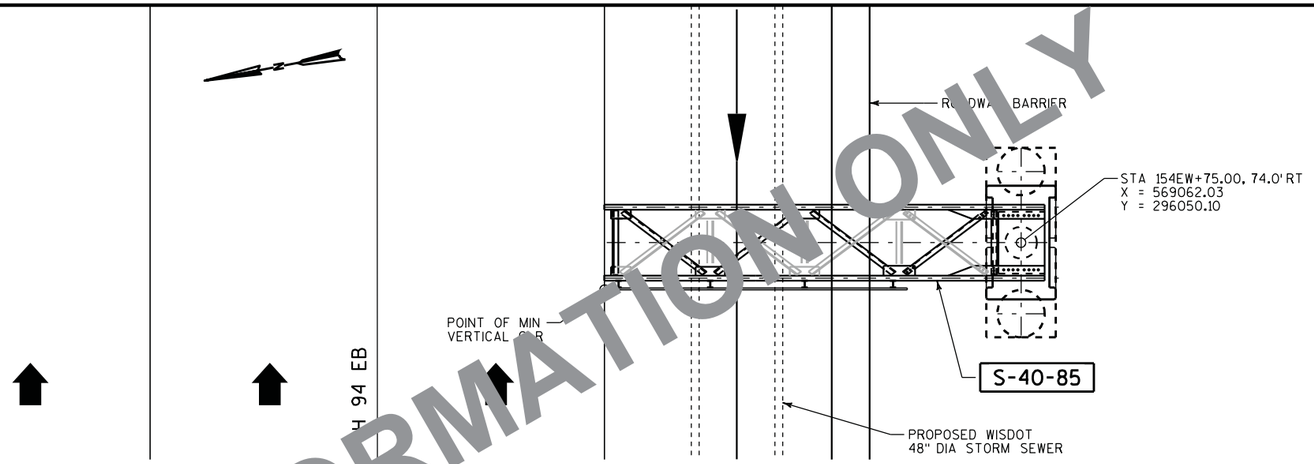
SHEET 3 OF 20

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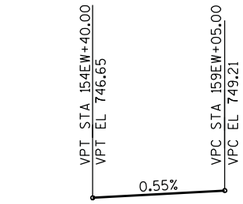
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FOR INFORMATION ONLY

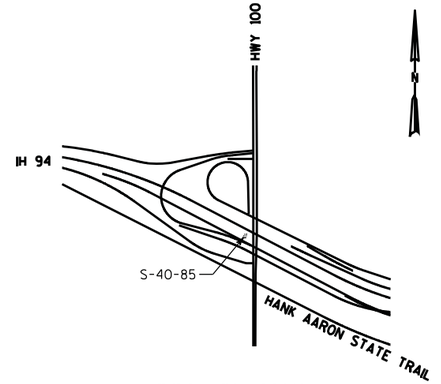
STATE PROJECT NUMBER
1060-33-80



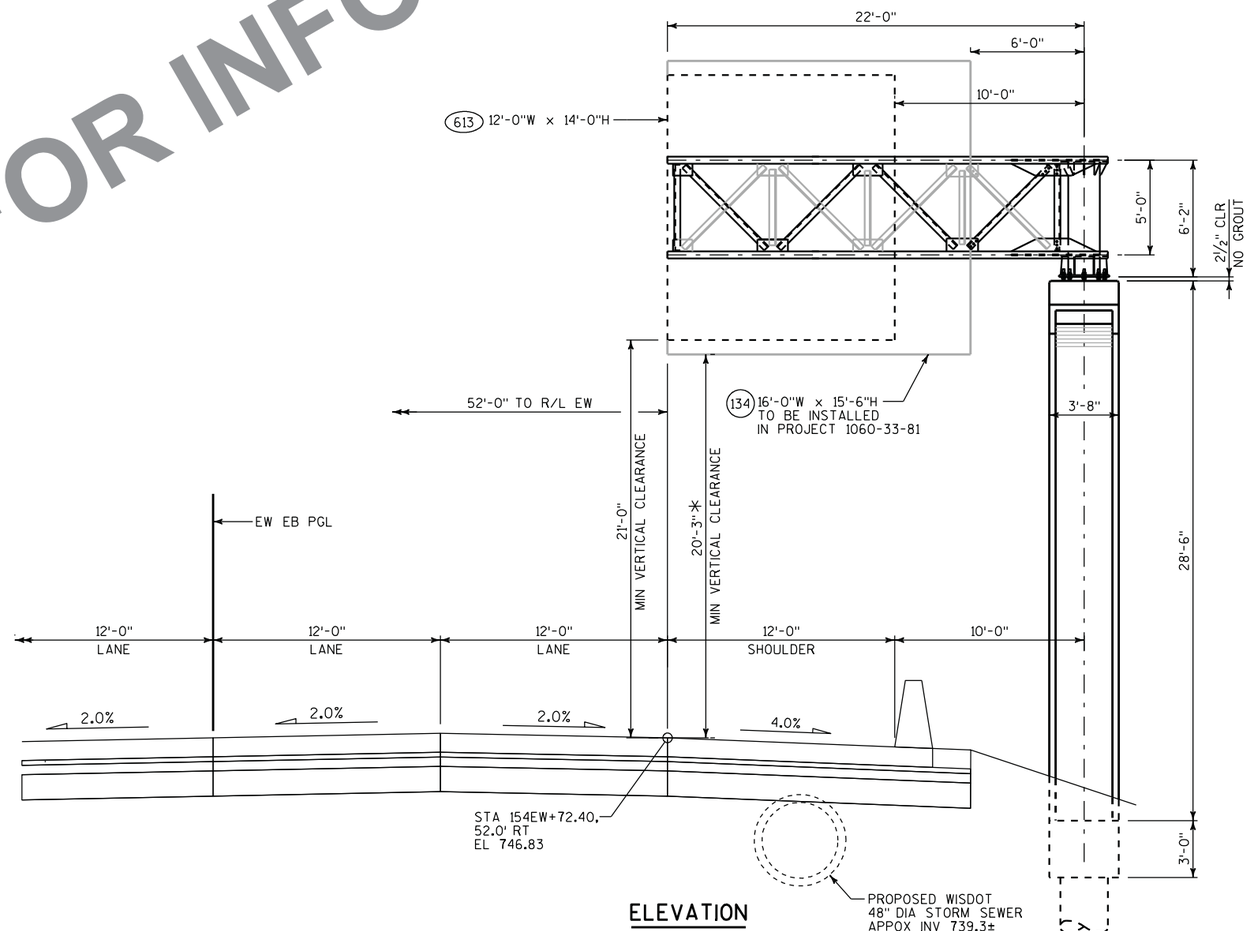
PLAN



PROFILE GRADE LINE EW EB

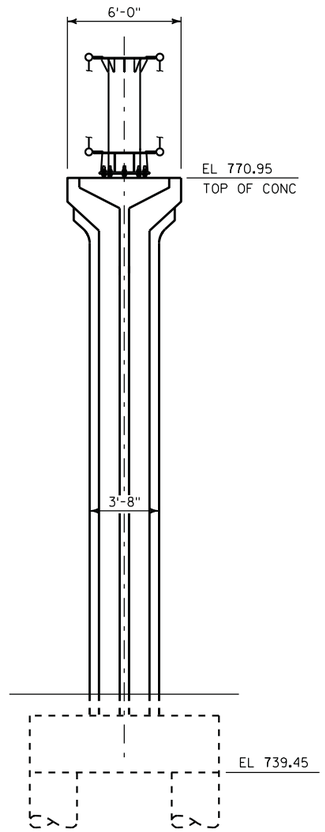


LOCATION MAP



ELEVATION

S-40-85 - STA 154EW+75.00
IH 94 EB
(LOOKING UP STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	25
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,530
641.1200.0003	SIGN BRIDGE CANTILEVERED S-40-85 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4090

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

⬭ SIGN NUMBERS (TEMPORARY - INSTALLED IN STAGE 2B)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-85
GENERAL PLAN
& ELEVATION

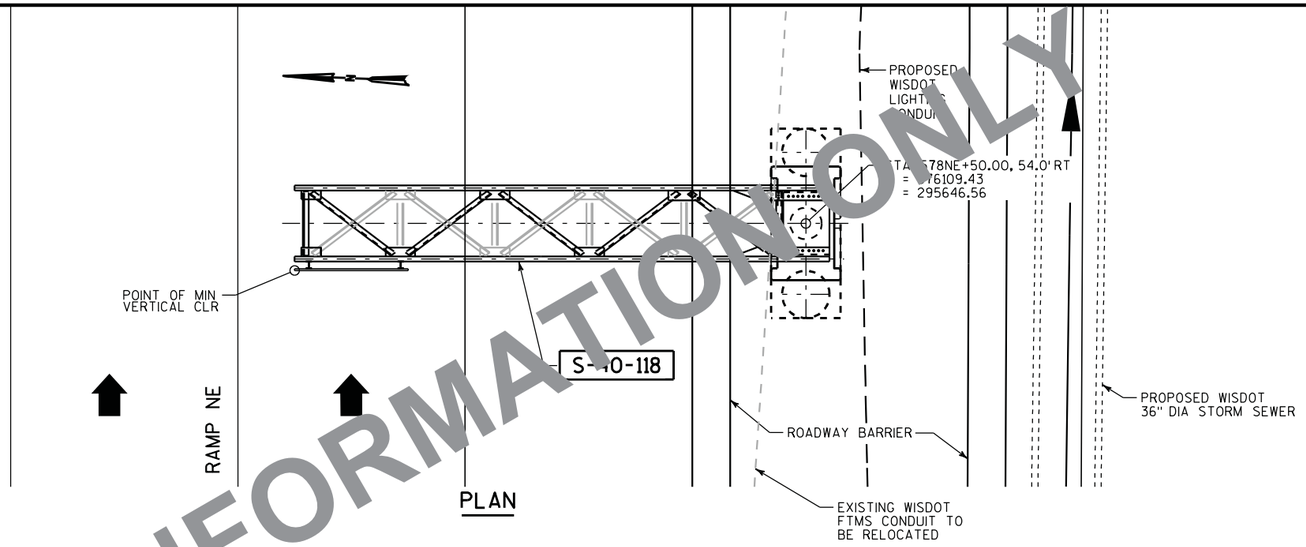
SHEET 4 OF 20

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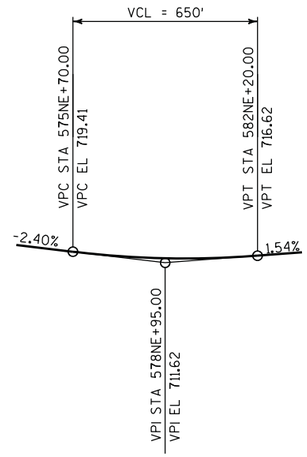
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

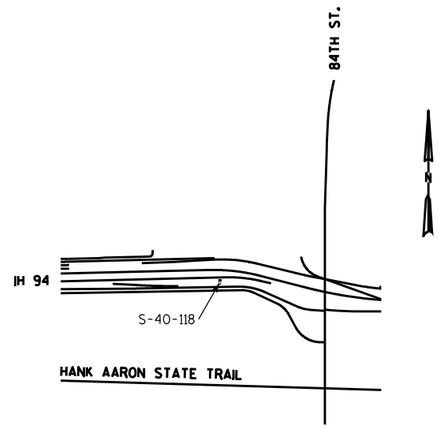


PLAN

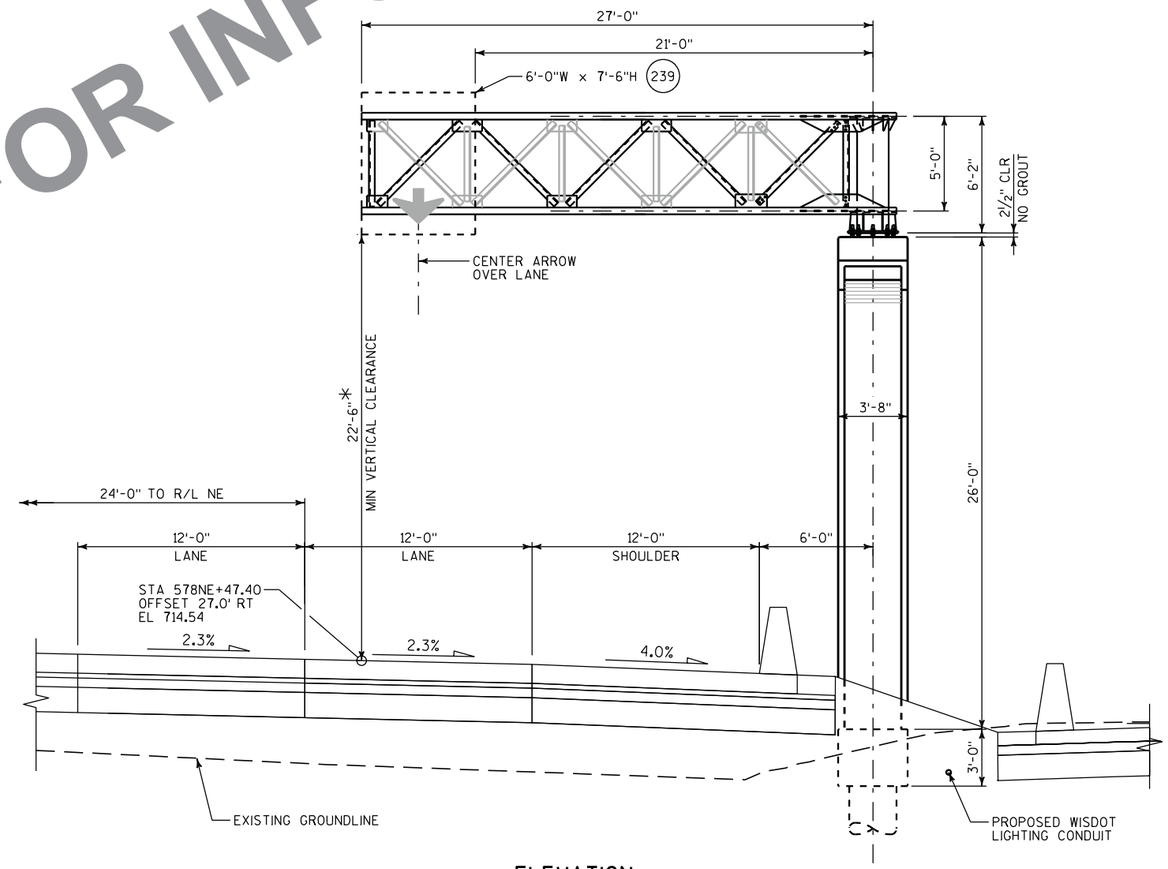


PROFILE GRADE LINE NE

R/L NE

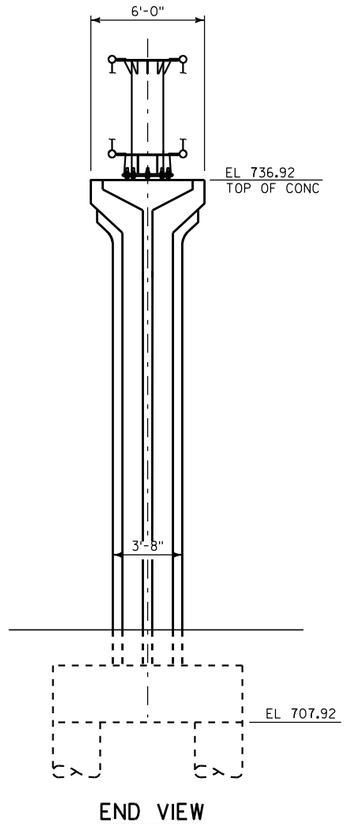


LOCATION MAP



ELEVATION

S-40-118 - STA 578NE+50.00
RAMP NE
(LOOKING UP STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,295
641.1200.0004	SIGN BRIDGE CANTILEVERED S-40-118 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4140

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-118 GENERAL PLAN & ELEVATION

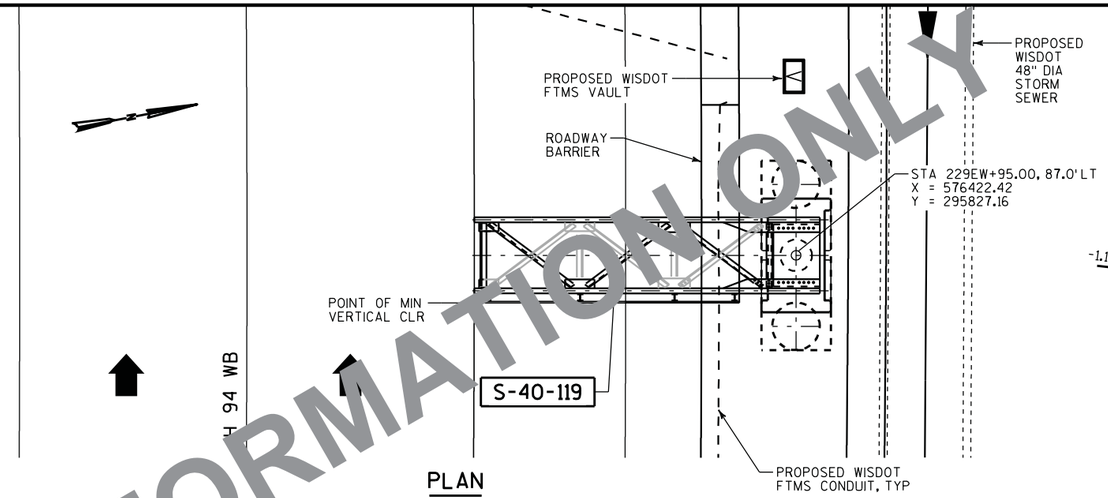
SHEET 5 OF 20

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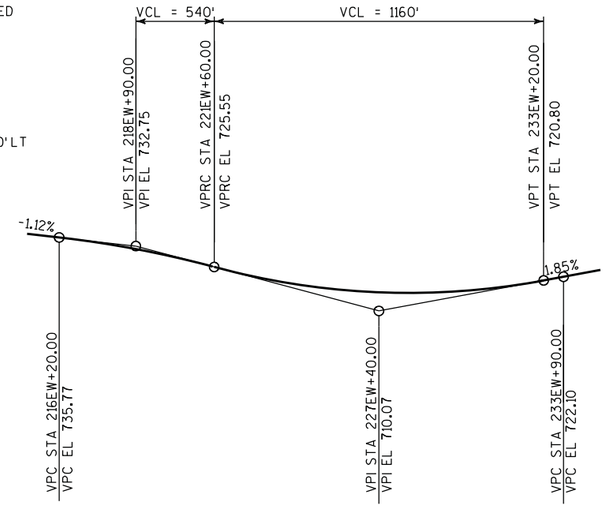
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FOR INFORMATION ONLY

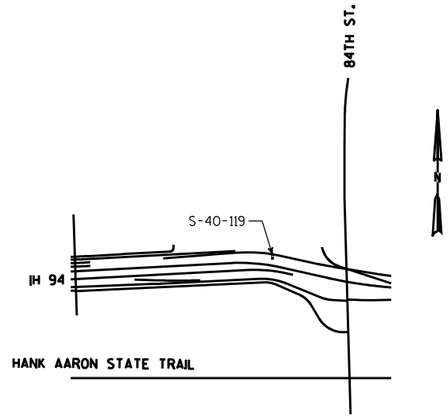
STATE PROJECT NUMBER
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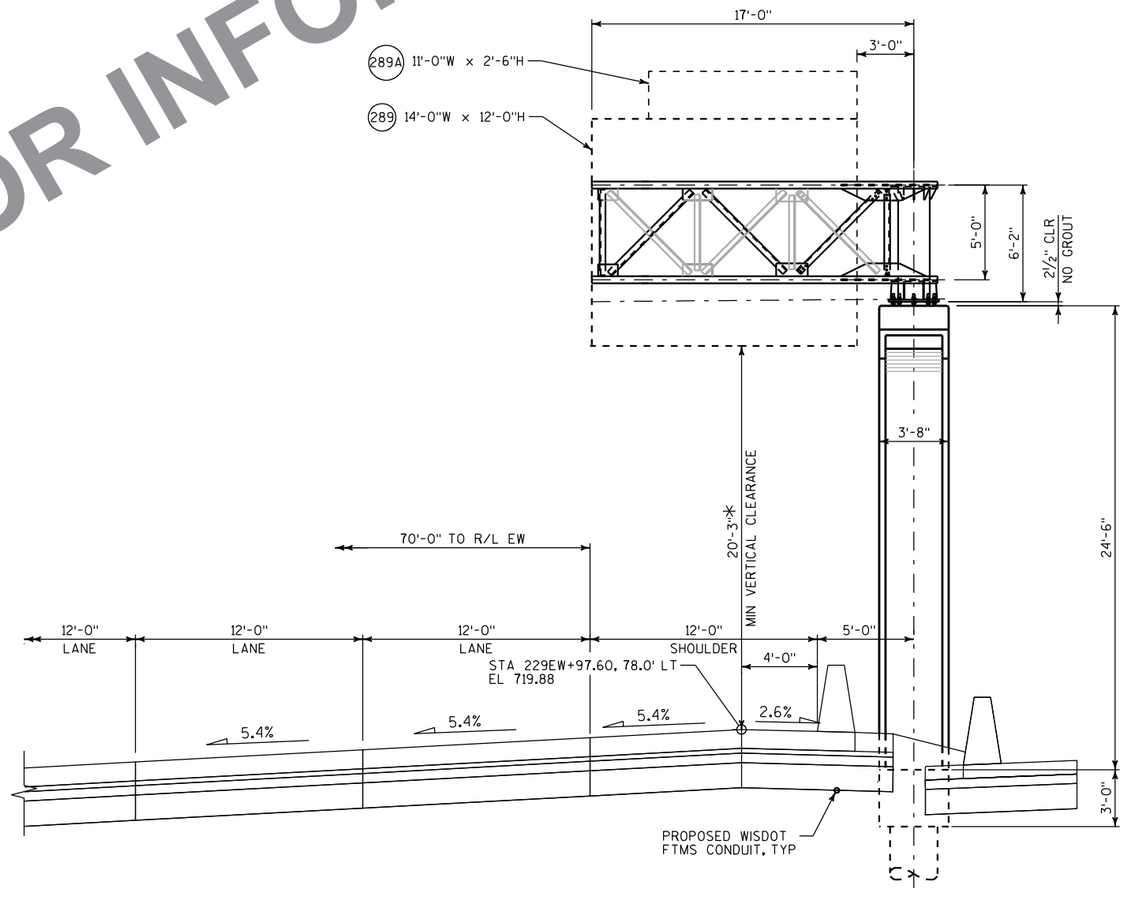
PLAN



PROFILE GRADE LINE EW EB

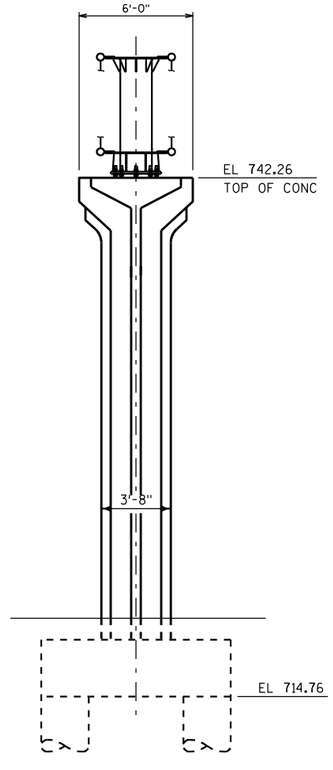


LOCATION MAP



ELEVATION

S-40-119 - STA 229EW+95.00
IH 94 WB
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

PROPOSED WISDOT 48" DIA STORM SEWER APPROX INV EL 699.7±

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	23
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,295
641.1200.0005	SIGN BRIDGE CANTILEVERED S-40-119 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4150

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-119
GENERAL PLAN
& ELEVATION

SHEET 6 OF 20

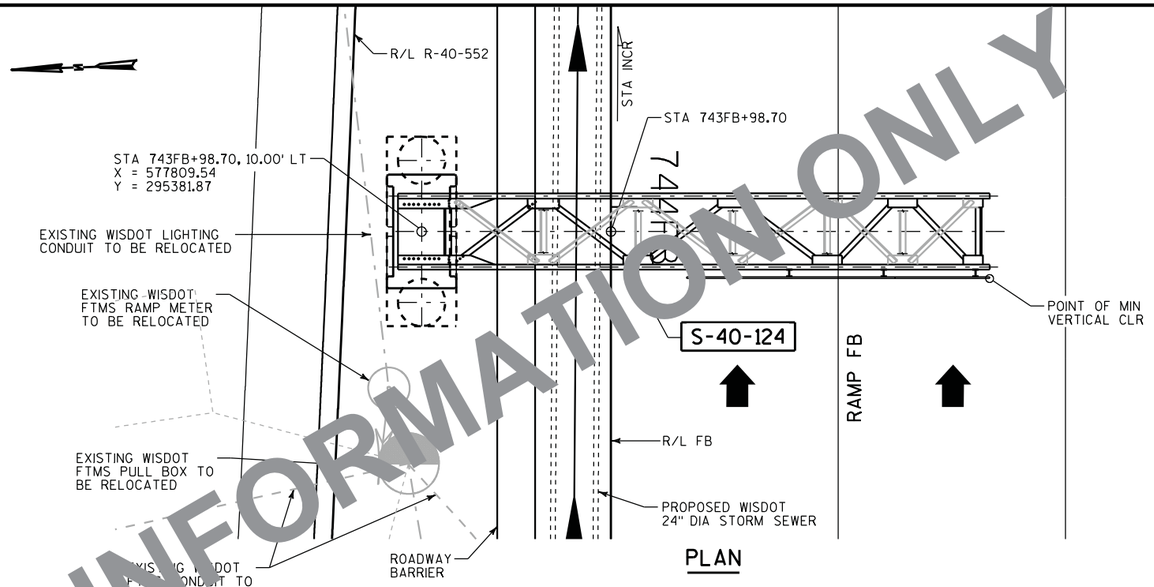
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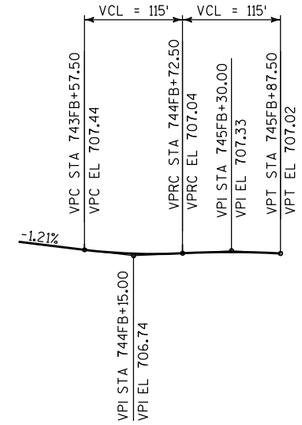
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FOR INFORMATION ONLY

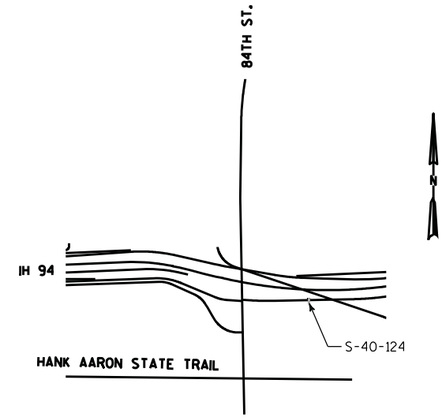
STATE PROJECT NUMBER
1060-33-80



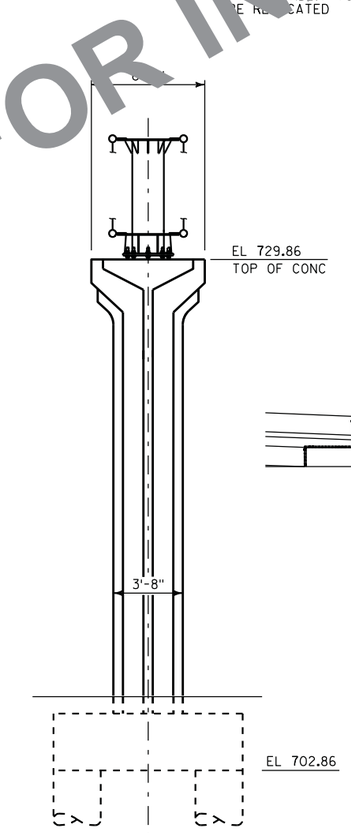
PLAN



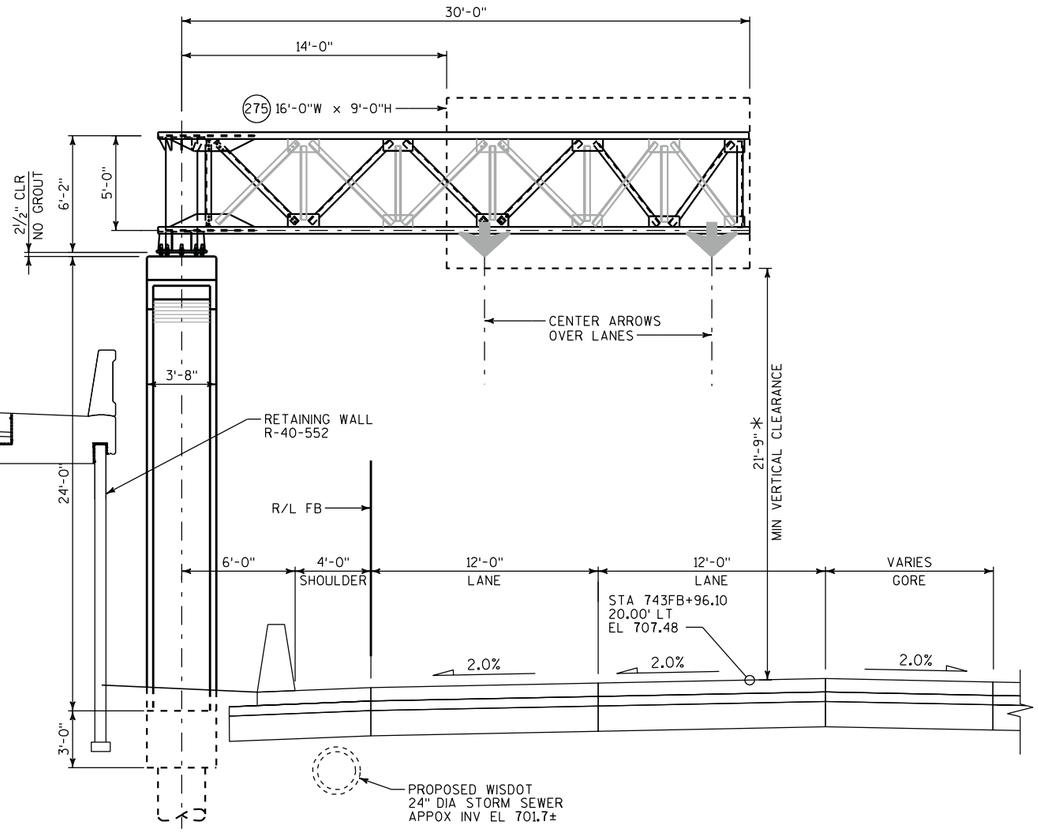
PROFILE GRADE LINE FB
R/L FB



LOCATION MAP



END VIEW



ELEVATION

S-40-124 - STA 743FB+98.70
RAMP FB
(LOOKING UP STATION AT FRONT FACE OF SIGN)

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	23
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,115
641.1200.0006	SIGN BRIDGE CANTILEVERED S-40-124 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4180

LEGEND

* INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-124
GENERAL PLAN
& ELEVATION

SHEET 7 OF 20

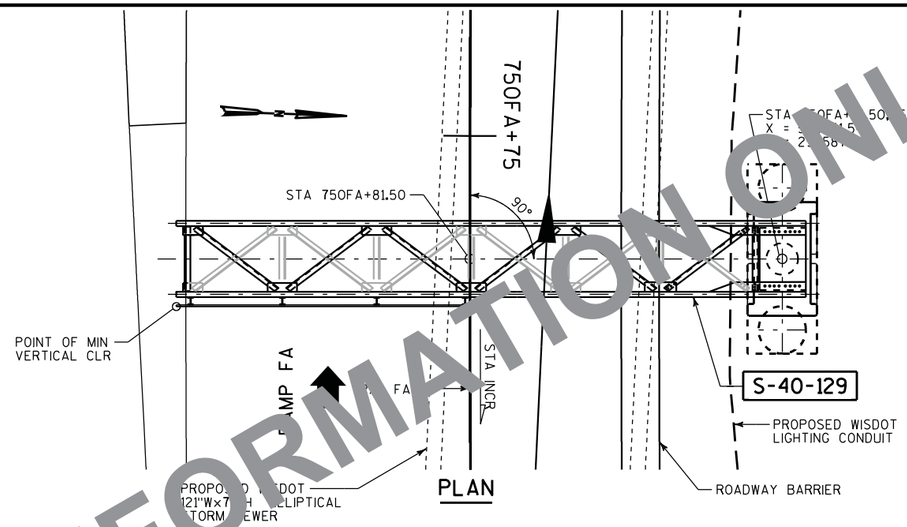
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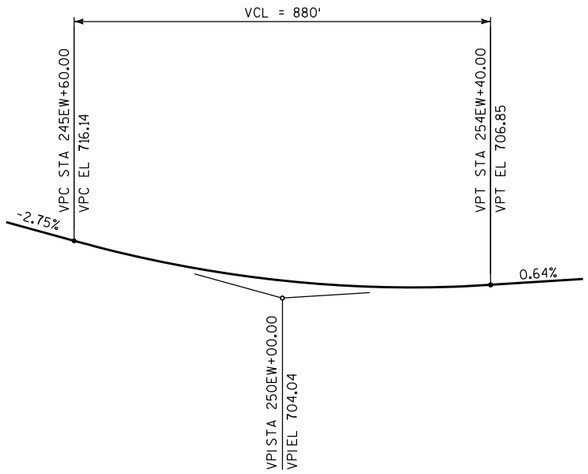
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PLOT DATE : 01-MAY-2014 13:42
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PLOT NAME : S-40-124_080102_gp
PLOT SCALE : 8:1

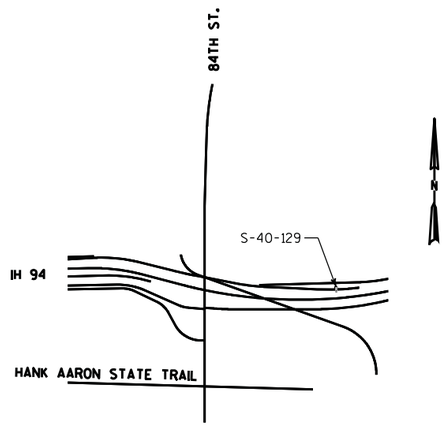
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

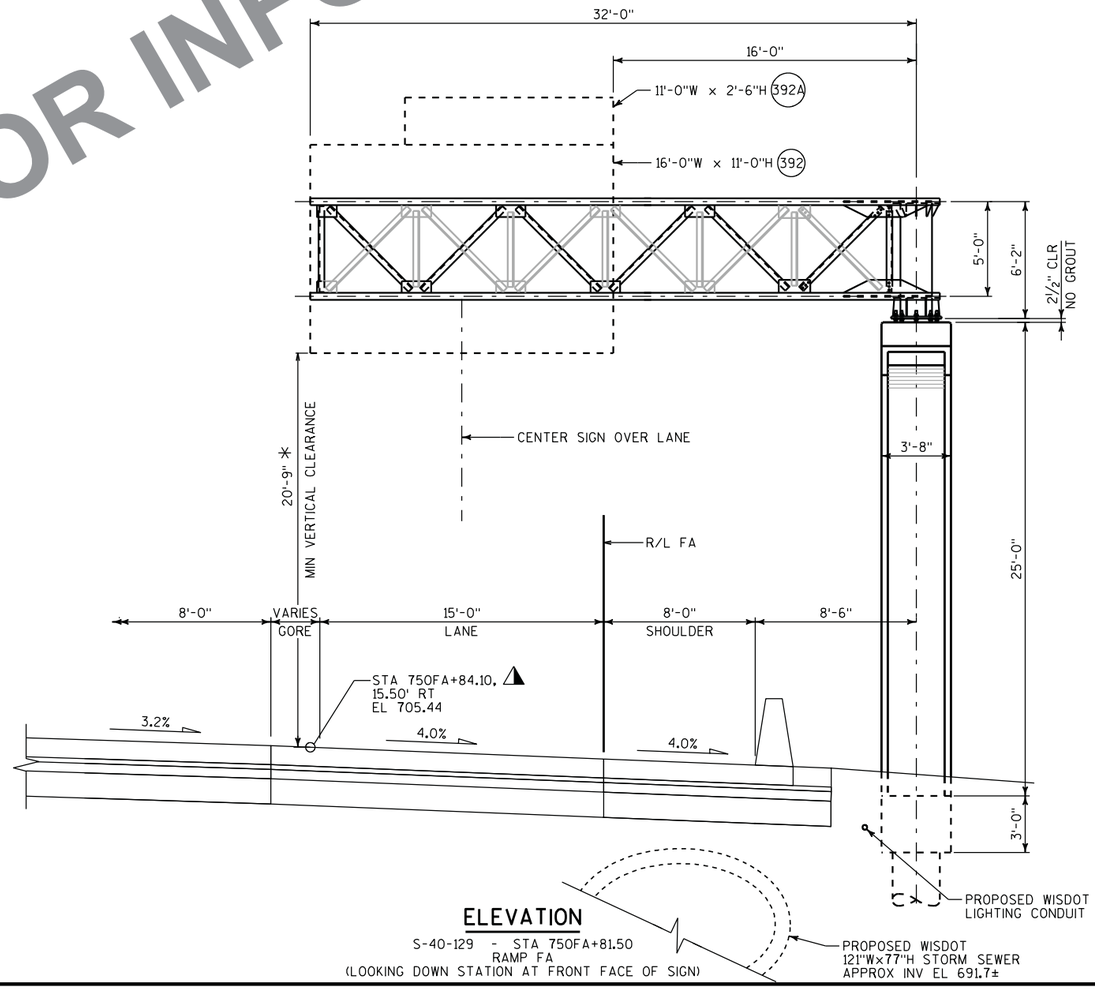




PROFILE GRADE LINE EW EB

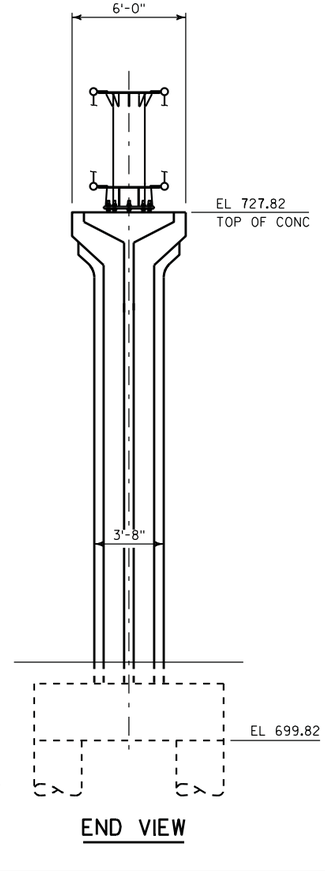


LOCATION MAP



ELEVATION

S-40-129 - STA 750FA+81.50
RAMP FA
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,210
641.1200.0007	SIGN BRIDGE CANTILEVERED S-40-129 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4190

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

◭ STA 750FA+84.10, 15.50' RT = STA 250EW+78.94, 72.00' LT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-129
GENERAL PLAN
& ELEVATION

SHEET 8 OF 20

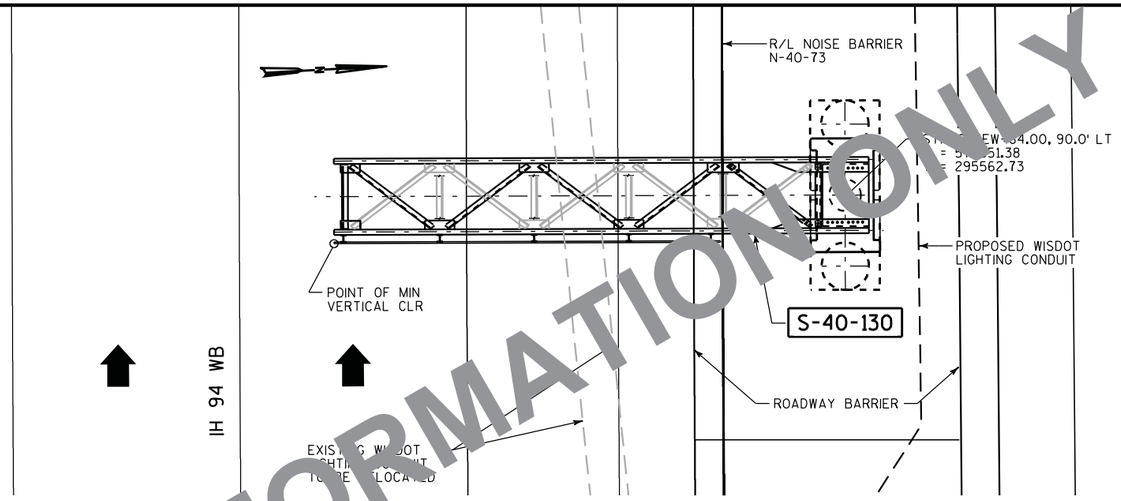
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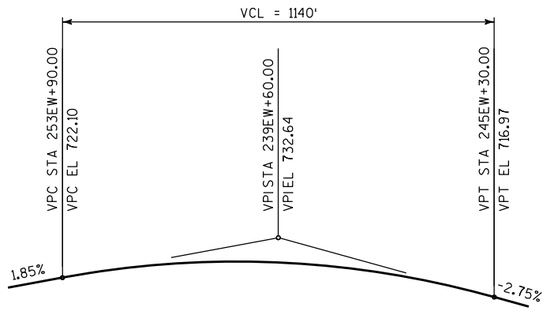
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FOR INFORMATION ONLY

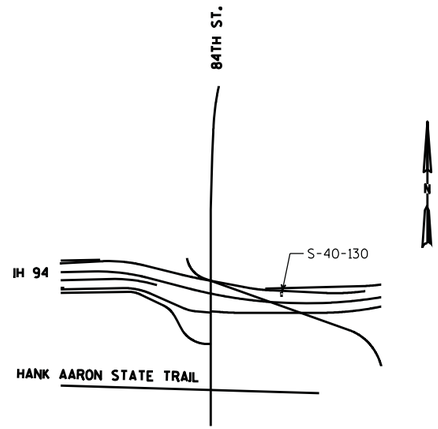
STATE PROJECT NUMBER
1060-33-80



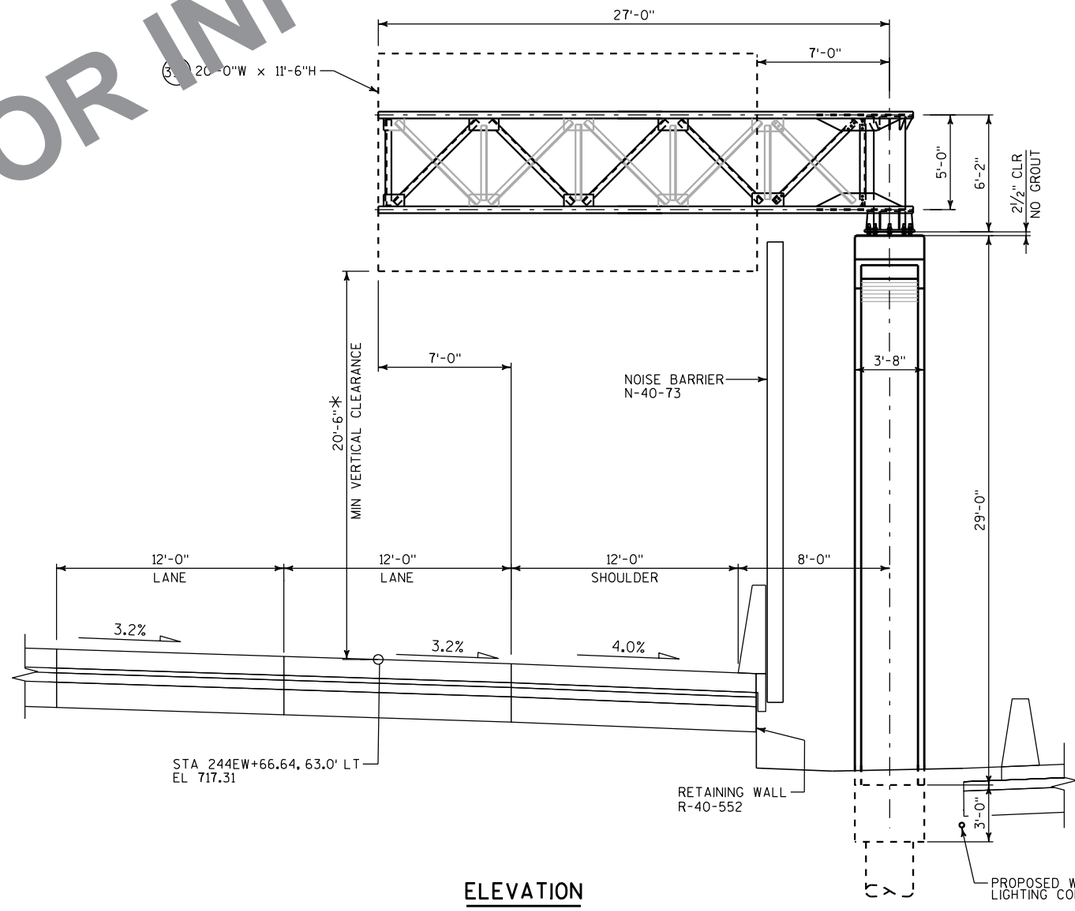
PLAN



PROFILE GRADE LINE EW WB

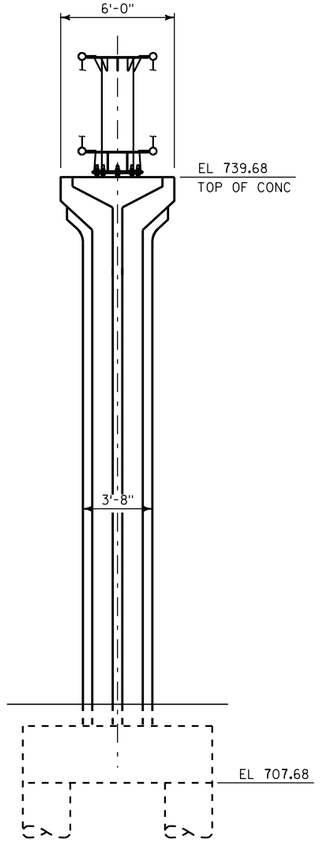


LOCATION MAP



ELEVATION

S-40-130 - STA 244EW+64.00
IH 94 WB
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	26
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,575
641.1200.0008	SIGN BRIDGE CANTILEVERED S-40-130 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4200

LEGEND

* INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

( ) SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-130
GENERAL PLAN
& ELEVATION

SHEET 9 OF 20

6660

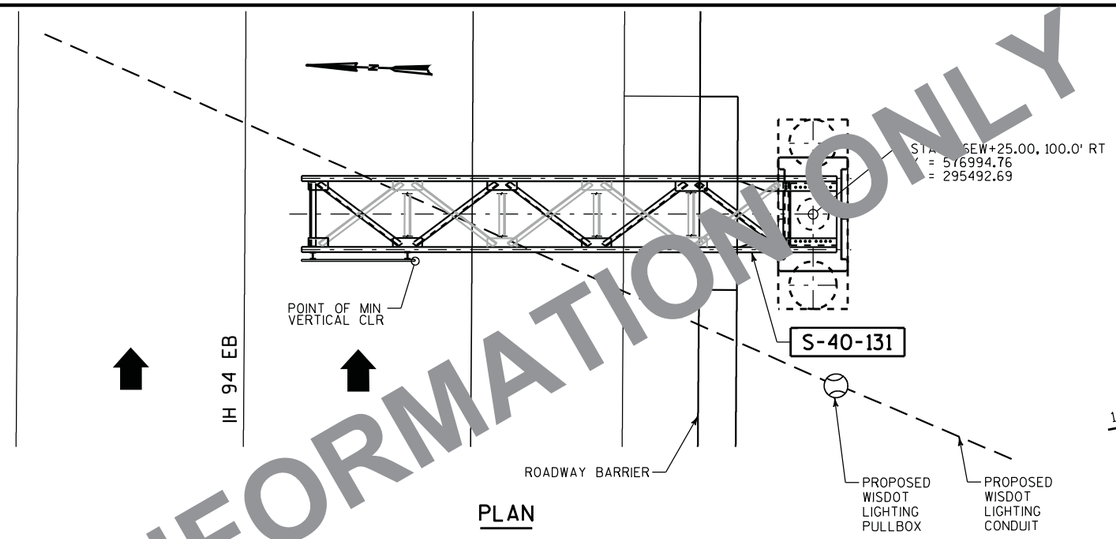
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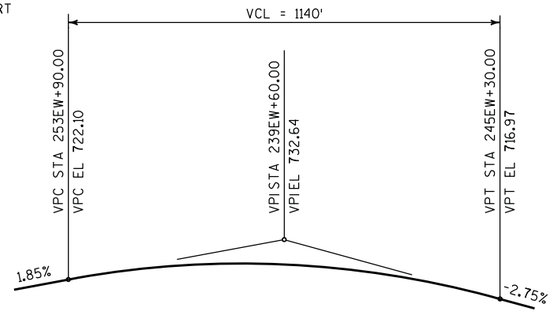
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FOR INFORMATION ONLY

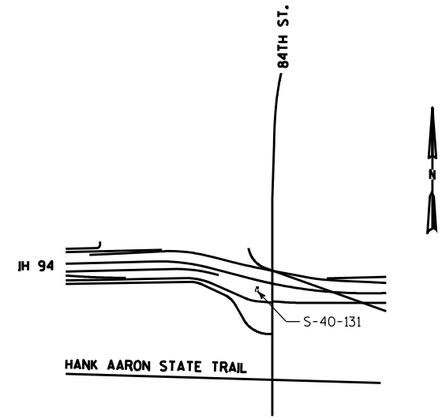
STATE PROJECT NUMBER
1060-33-80



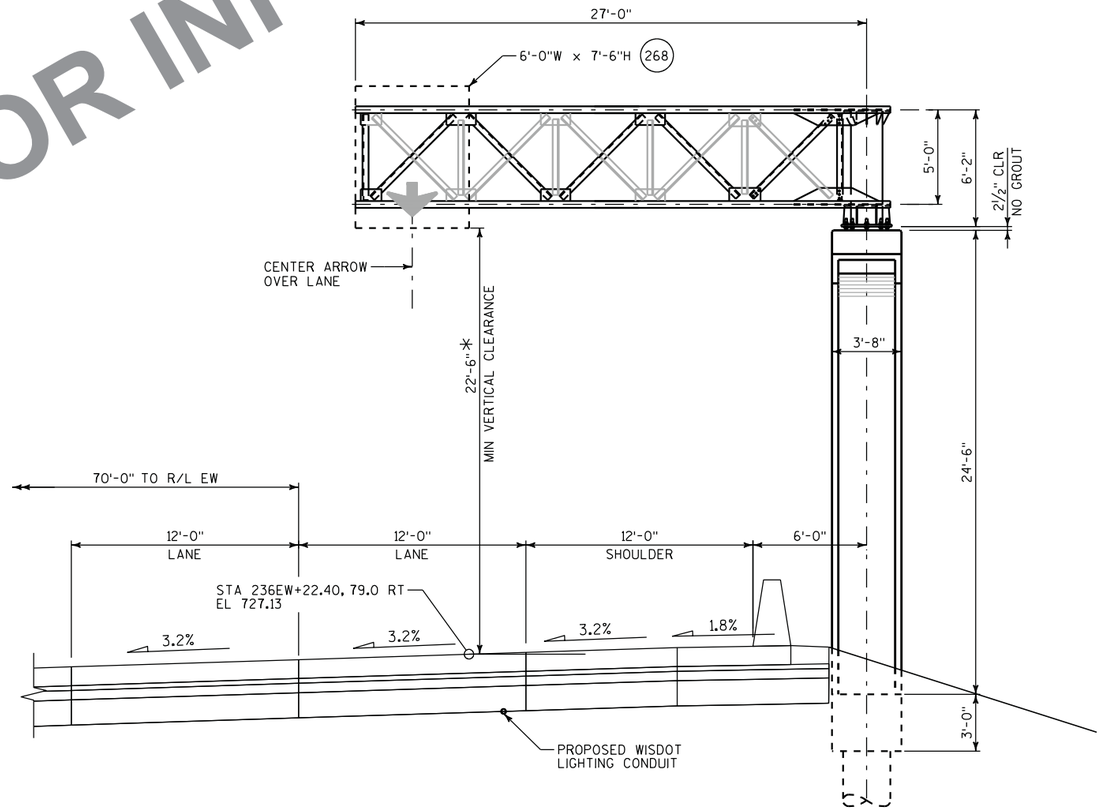
PLAN



PROFILE GRADE LINE EW EB

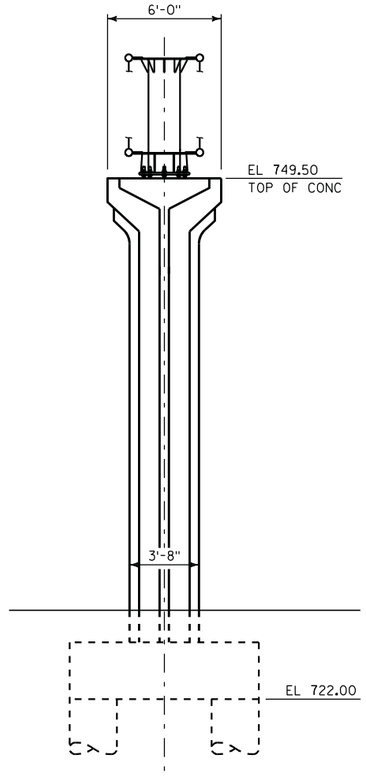


LOCATION MAP



ELEVATION

S-40-131 - STA 236EW+25.00
IH 94 EB
(LOOKING UP STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	23
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,165
641.1200.0009	SIGN BRIDGE CANTILEVERED S-40-131 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4210

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-131
GENERAL PLAN
& ELEVATION

SHEET 10 OF 20

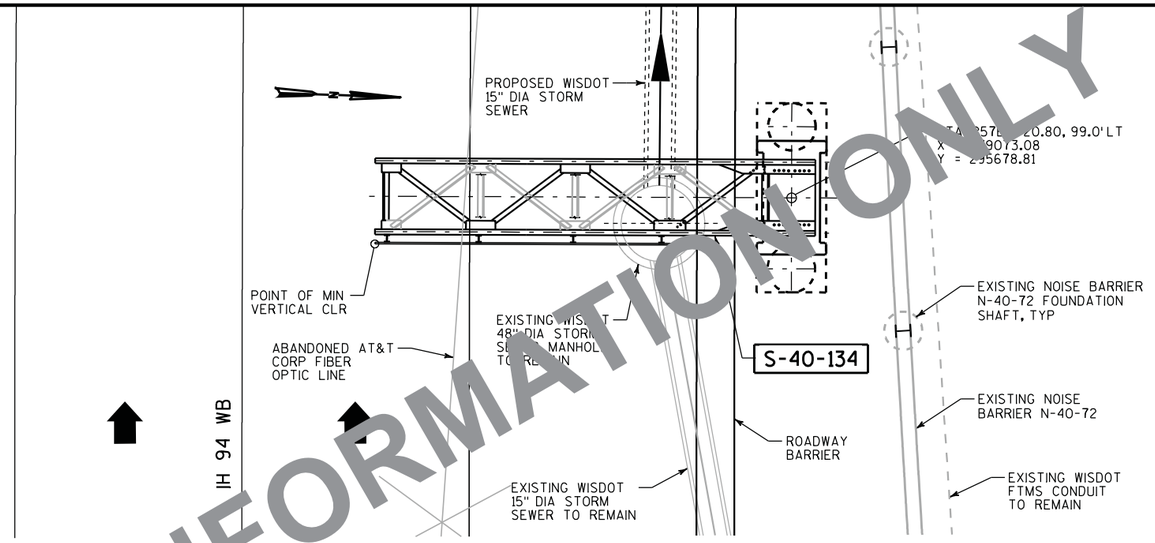
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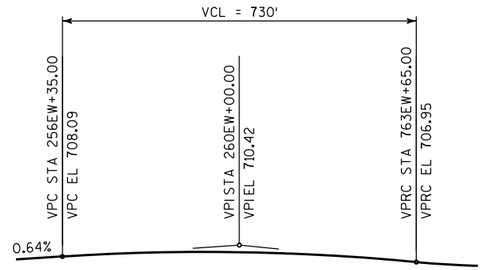
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FOR INFORMATION ONLY

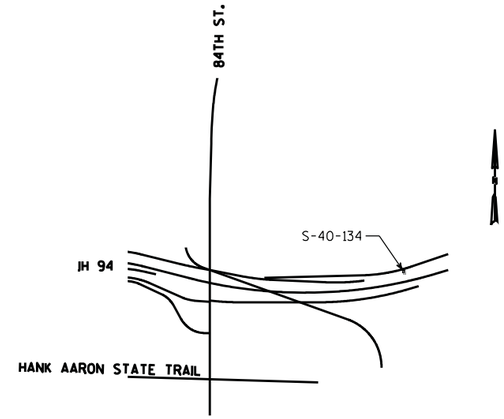
STATE PROJECT NUMBER
1060-33-80



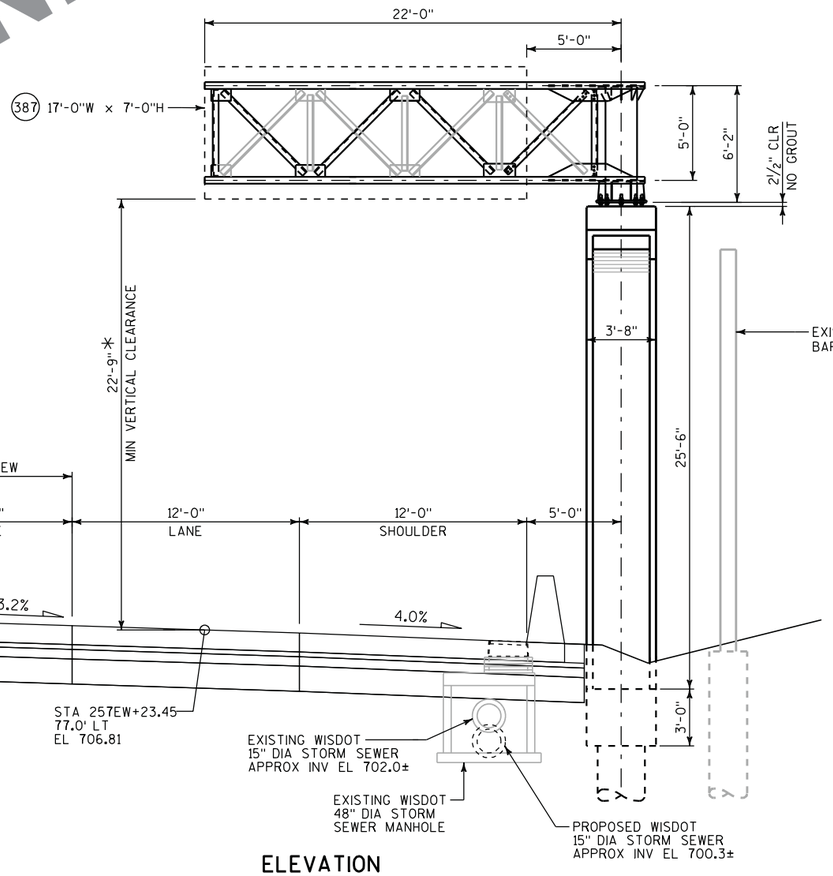
PLAN



PROFILE GRADE LINE EW EB

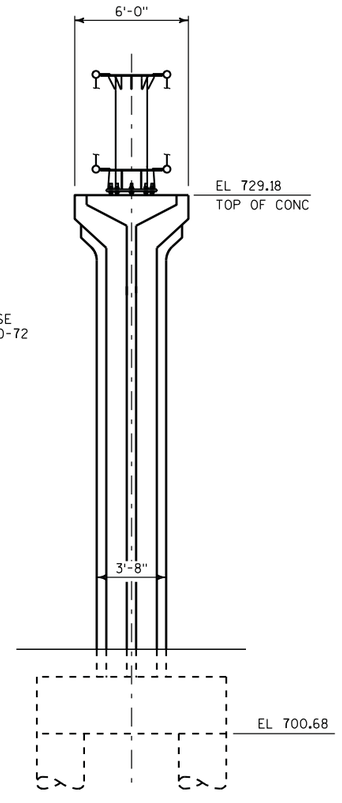


LOCATION MAP



ELEVATION

S-40-134 - STA 257EW+20.80
IH 94 WB
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,260
641.1200.0010	SIGN BRIDGE CANTILEVERED S-40-134 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4230

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-134
GENERAL PLAN
& ELEVATION

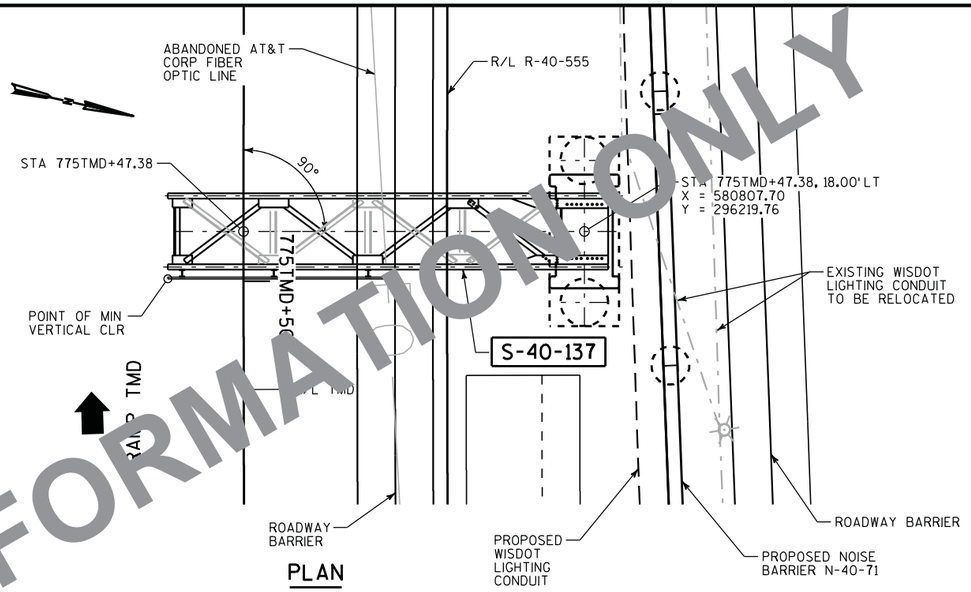
SHEET 11 OF 20

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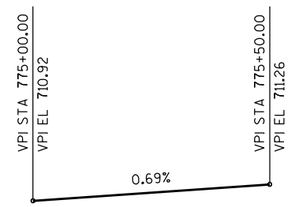
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

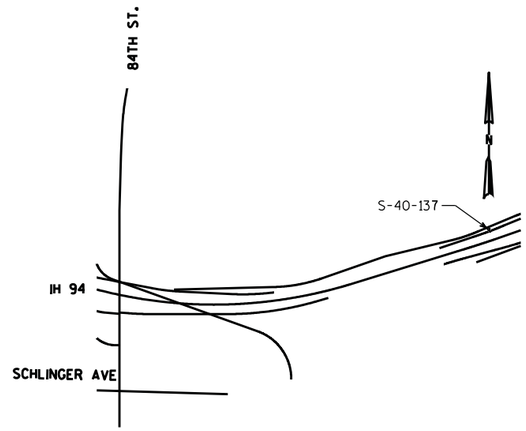


PLAN

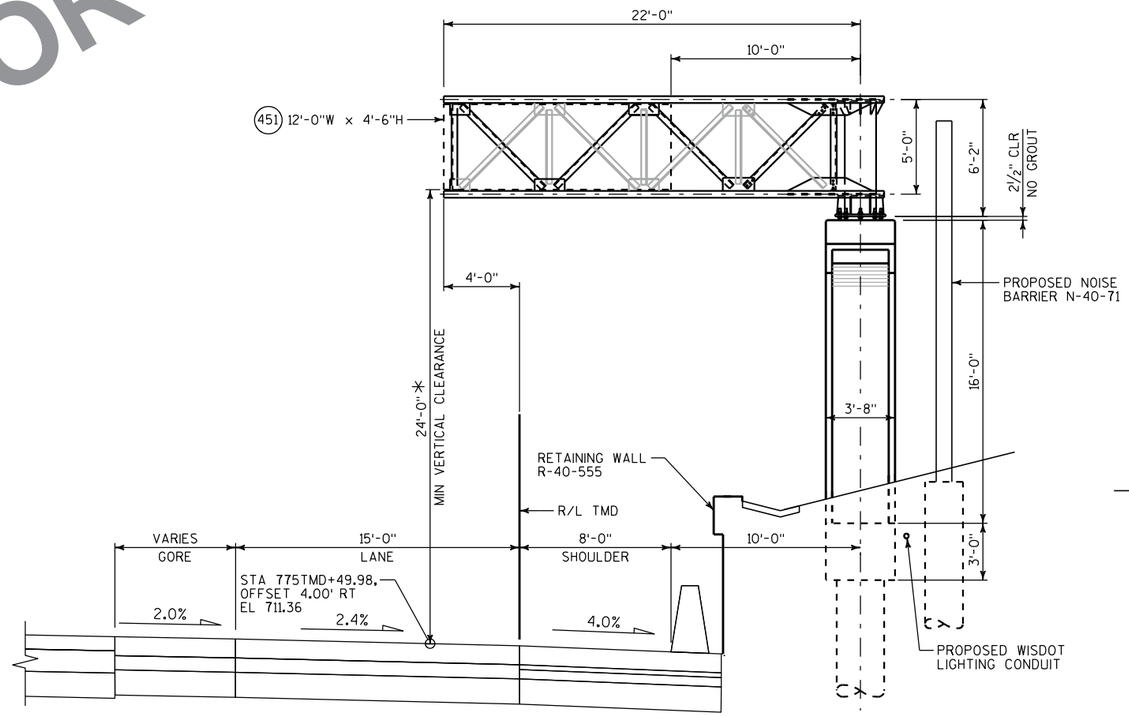


PROFILE GRADE LINE TMD

R/L TMD

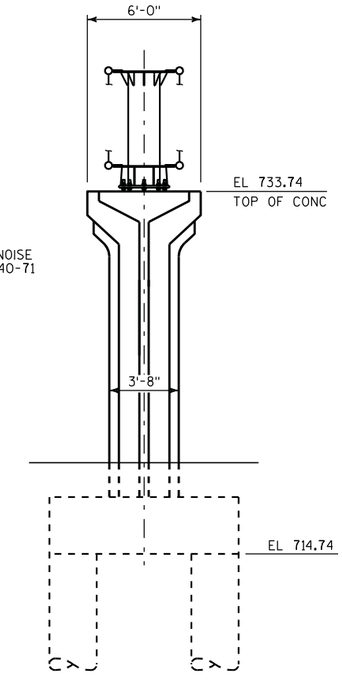


LOCATION MAP



ELEVATION

S-40-137 - STA 775TMD+47.38
RAMP TMD
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	20
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	2,375
641.1200.0011	SIGN BRIDGE CANTILEVERED S-40-137 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4260

LEGEND

* INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-137
GENERAL PLAN
& ELEVATION

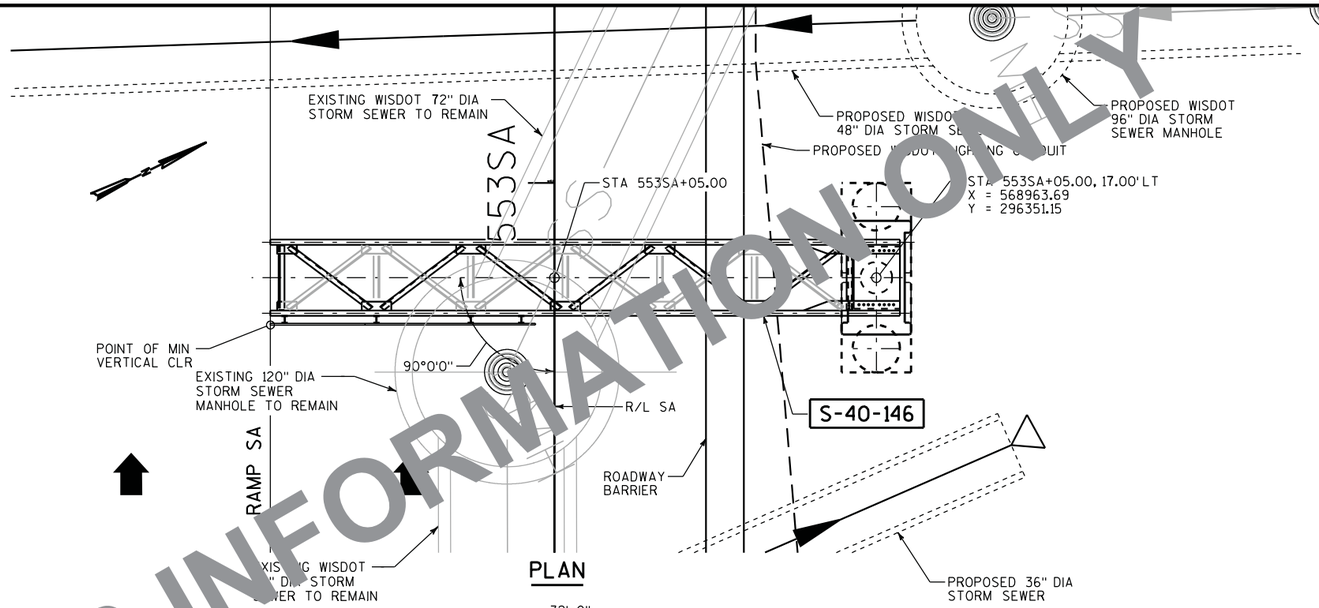
SHEET 12 OF 20

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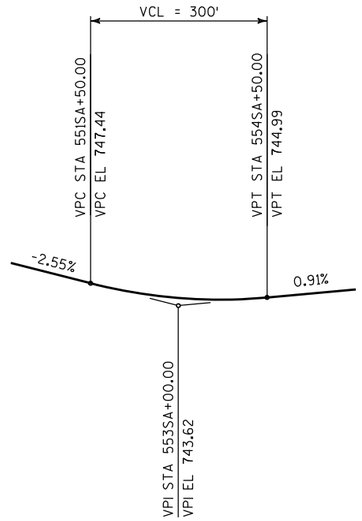
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FOR INFORMATION ONLY

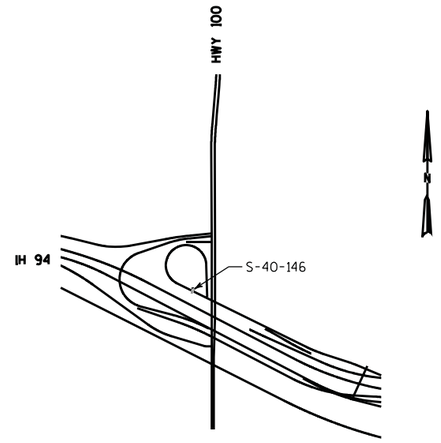
STATE PROJECT NUMBER
1060-33-80



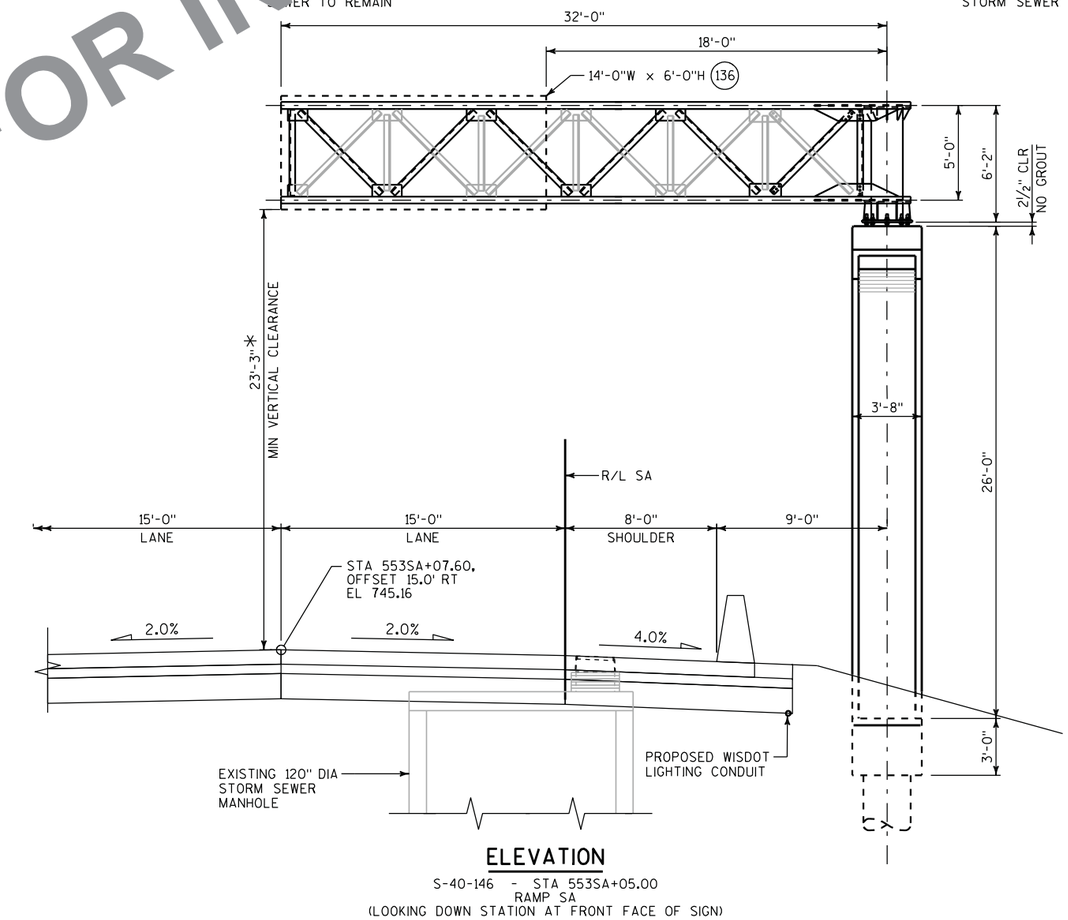
PLAN



PROFILE GRADE LINE SA
R/L SA

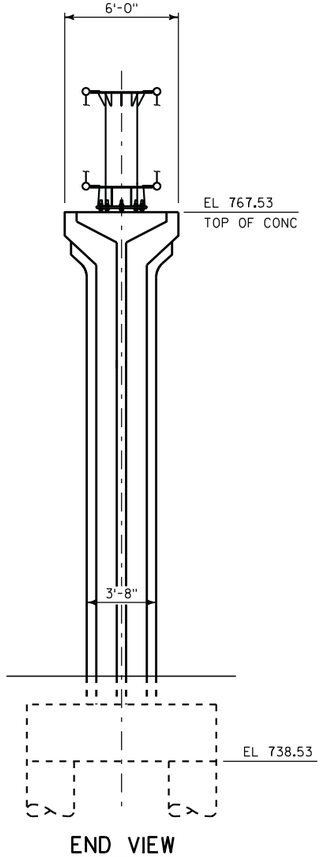


LOCATION MAP



ELEVATION

S-40-146 - STA 553SA+05.00
RAMP SA
(LOOKING DOWN STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	24
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,100
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	3,140
641.1200.0012	SIGN BRIDGE CANTILEVERED S-40-146 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4270

LEGEND

* INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY BHI | PLANS CK'D. KES

S-40-146
GENERAL PLAN
& ELEVATION

SHEET 13 OF 20

6664

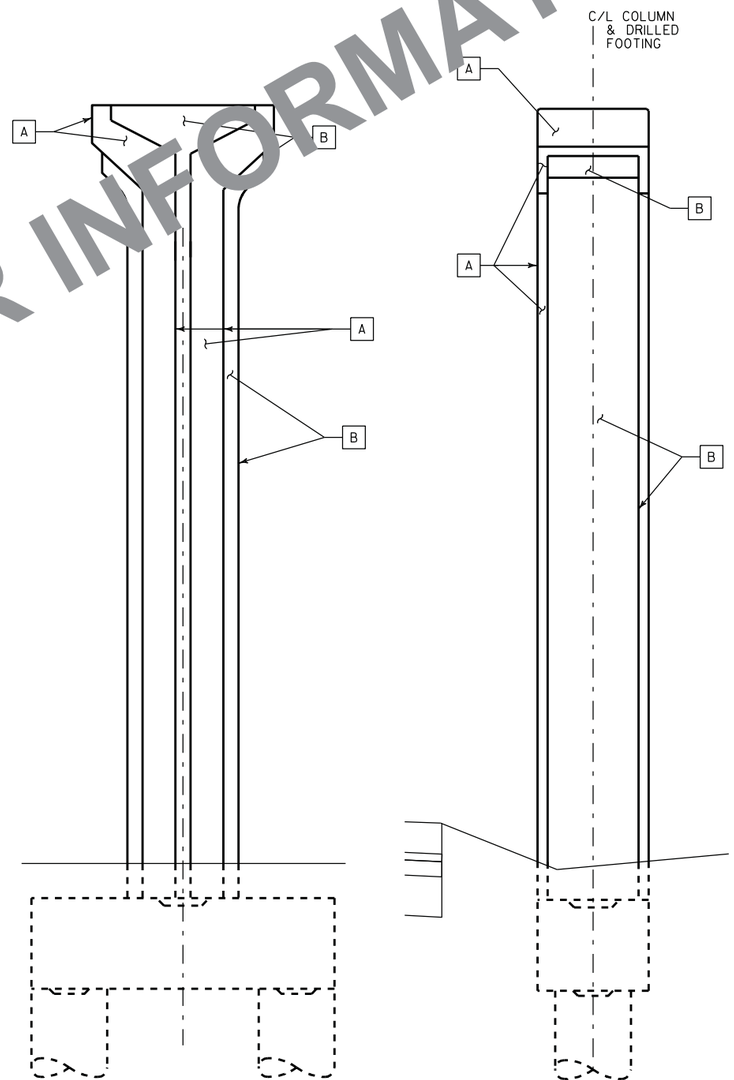
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FOR INFORMATION ONLY

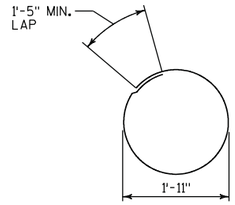
STATE PROJECT NUMBER
1060-33-80

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

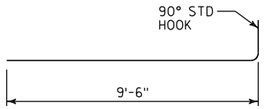


ELEVATION VIEW

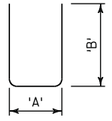
END VIEW



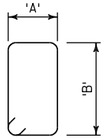
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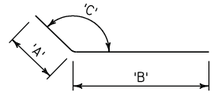
A807



BAR MARK	DIM 'A'	DIM 'B'
A703	9'-6"	2'-3"
A506	3'-0"	1'-6"
A411	9"	1'-3"
A415	2'-7"	1'-6"
A417	1'-3"	1'-3"
A418	1'-0"	1'-3"



BAR MARK	DIM. 'A'	DIM. 'B'
A505	2'-6"	3'-2"
A509	2'-7"	3'-3"
A512	5'-7"	2'-7"



BAR MARK	DIM. 'A'	DIM. 'B'	DIM. 'C'
A513	1'-0"	3'-2"	133°
A514	1'-11"	2'-5"	133°
A516	1'-6"	2'-8"	117°

BILL OF BARS

BAR DIMENSIONS ARE OUT TO OUT OF BAR

BAR MARK	COAT	NO. REQ'D ◐	LENGTH	BENT	LOCATION
A801	-	20	22'-6"	-	SHAFT VERTICAL
A402	-	40	7'-6"	X	SHAFT TIE
A703	-	6	13'-8"	X	FOOTING BOTTOM
A704	-	12	9'-6"	-	FOOTING SIDE & TOP
A505	-	20	12'-0"	X	FOOTING STIRRUP
A506	-	8	5'-9"	X	FOOTING ENDS HORIZONTAL
A807	X	24	10'-8"	X	FOOTING TO COLUMN DOWELS
A808	X	24	DIM 'A'	-	COLUMN VERTICAL (MAIN)
A509	X	'C'	12'-4"	-	COLUMN STIRRUP
A510	X	8	DIM 'B'	-	COLUMN VERTICAL (SURFACE)
A411	X	'D'	3'-1"	X	COLUMN TIE (SURFACE)
A512	X	2	17'-0"	X	COLUMN TOP (STIRRUP)
A513	X	14	4'-2"	X	COLUMN TOP (SURFACE)
A514	X	10	4'-4"	X	COLUMN TOP (SURFACE)
A415	X	6	5'-5"	X	COLUMN TOP TIE (SURFACE)
A516	X	4	4'-2"	X	COLUMN TOP (SURFACE)
A417	X	8	3'-7"	X	COLUMN TOP TIE (SURFACE)
A418	X	4	3'-4"	X	COLUMN TOP TIE (SURFACE)

◐ BAR NO. REQUIRED QUANTITY SHOWN IS FOR ONLY ONE SIGN STRUCTURE COLUMN AND FOUNDATION

TABLE OF BAR DIMENSIONS

STRUCTURE	DIM 'A'	DIM 'B'	'C'	'D'
S-40-28	25'-3"	23'-9"	30	80
S-40-65	26'-3"	24'-9"	31	84
S-40-85	28'-3"	27'-9"	33	88
S-40-118	25'-9"	24'-3"	30	80
S-40-119	24'-3"	23'-9"	29	76
S-40-124	23'-9"	22'-3"	28	76
S-40-129	24'-9"	23'-3"	29	80
S-40-130	28'-9"	27'-3"	33	92
S-40-131	24'-3"	22'-6"	29	76
S-40-134	25'-3"	23'-9"	30	80
S-40-137	15'-9"	14'-3"	20	48
S-40-146	25'-9"	24'-3"	30	80

CONCRETE STAINING SCHEDULE

MARK	COLOR
A	BASE COLOR
B	ACCENT COLOR #1

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE SHERWIN-WILLIAMS STANDARD COLOR SYSTEM LISTED:

BASE COLOR : WHOLE WHEAT - SW 6121, FN 122
ACCENT COLOR #1: BAGUETTE - SW 6123, FN 124

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-28/65/85/118/119/124/129/130/131/134/137/146/158

DRAWN BY ASW | PLANS CK'D. KES

COLUMN AESTHETIC DETAILS & BILL OF BARS

SHEET 17 OF 20

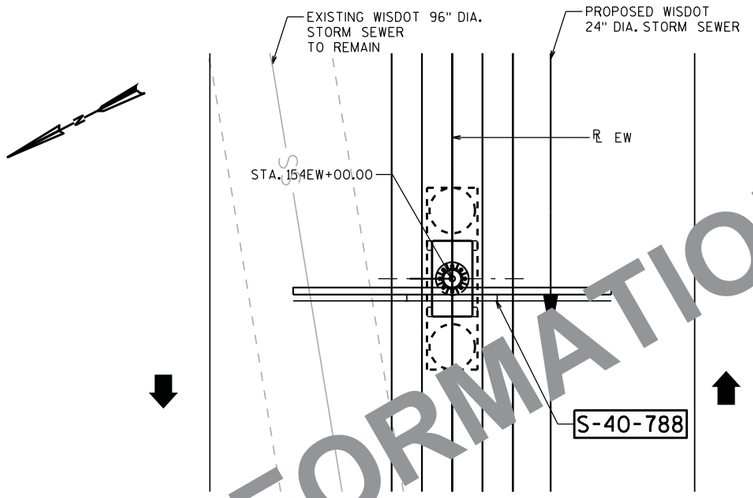
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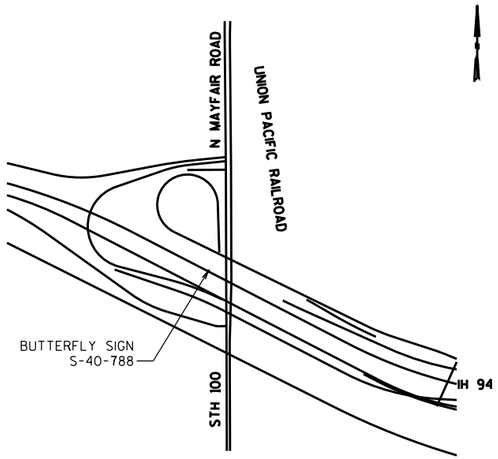
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FOR INFORMATION ONLY

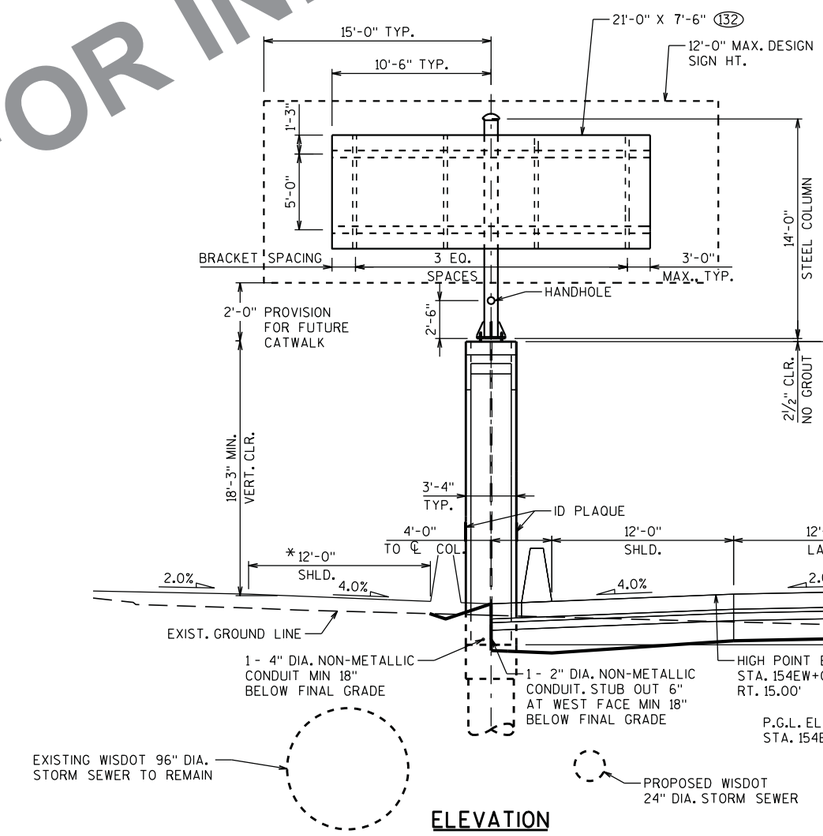
STATE PROJECT NUMBER
1060-33-80



PLAN



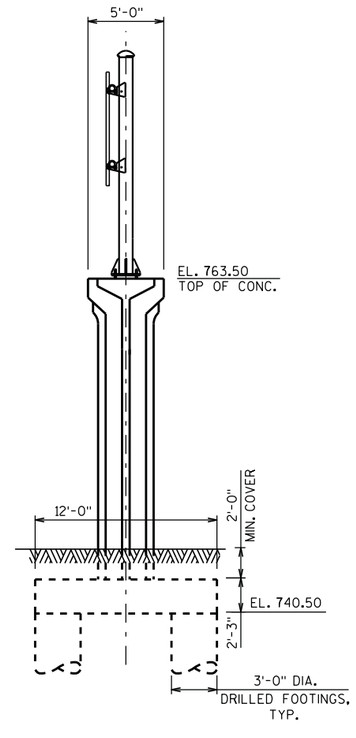
LOCATION MAP



ELEVATION

S-40-788, STA. 154EW+00.00
(LOOKING UP STATION AT FRONT OF SIGNS)

*WEST BOUND ROADWAY AND BARRIER WILL BE
CONSTRUCTED UNDER LATER CONTRACT



SIDE VIEW

S-40-788 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	23
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,580
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	2,960
641.0100.0001	SIGN BRIDGE SINGLE POLE SIGN SUPPORT ONE SIGN STRUCTURE S-40-788	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4310

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-788/789/790

DRAWN BY AG | PLANS CK'D. STB

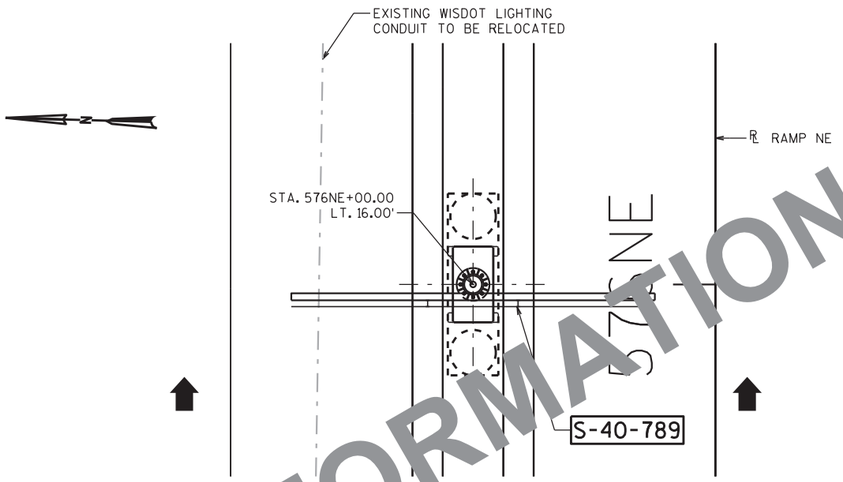
S-40-788
GENERAL PLAN
& ELEVATION

SHEET 2 OF 10

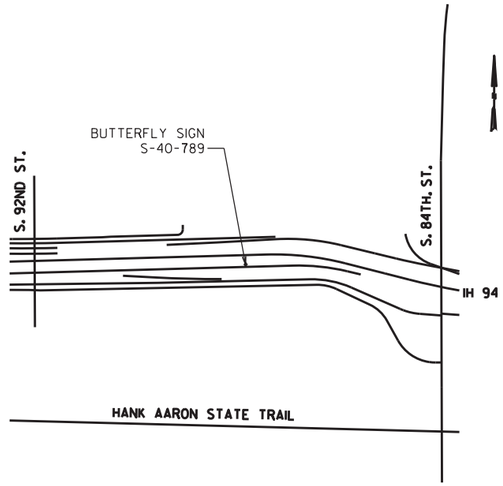
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FOR INFORMATION ONLY

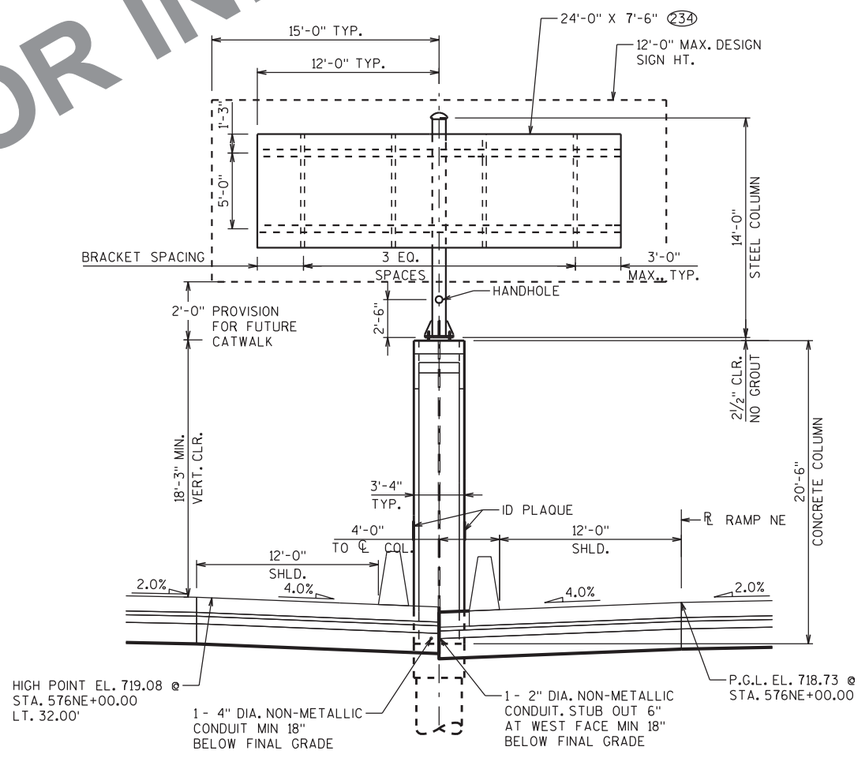
STATE PROJECT NUMBER
1060-33-80



PLAN

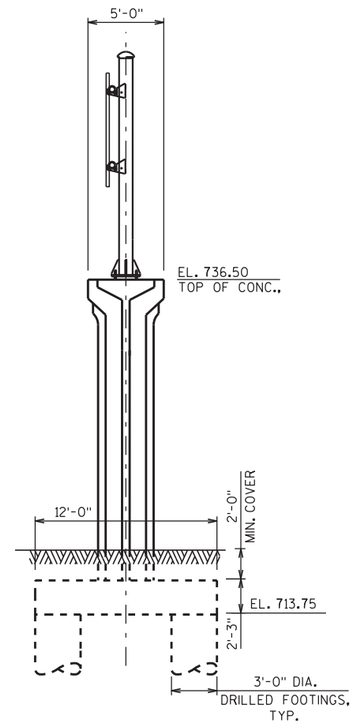


LOCATION MAP



ELEVATION

S-40-789, STA. 576NE+00.00
(LOOKING UP STATION AT FRONT OF SIGNS)



SIDE VIEW

S-40-789 TOTAL ESTIMATE OF QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	22
636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,580
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	2,940
641.0100.0002	SIGN BRIDGE SINGLE POLE SIGN SUPPORT ONE SIGN STRUCTURE S-40-789	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4320

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-788/789/790

DRAWN BY AG | PLANS CK'D. STB

S-40-789
GENERAL PLAN
& ELEVATION

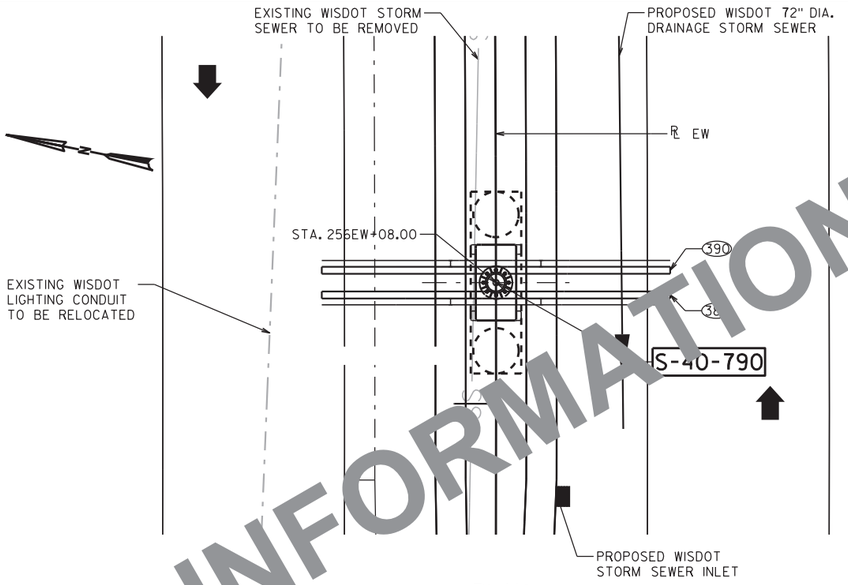
SHEET 3 OF 10

8

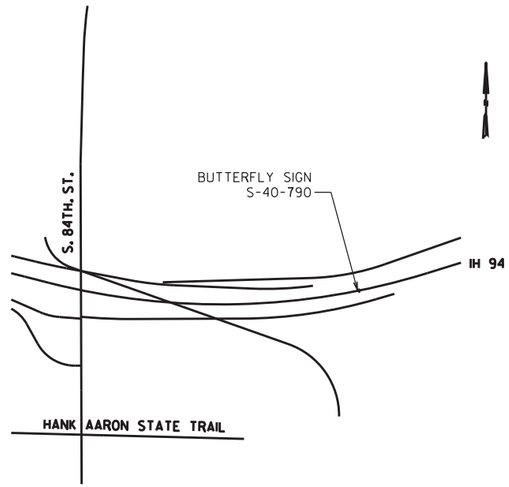
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FOR INFORMATION ONLY

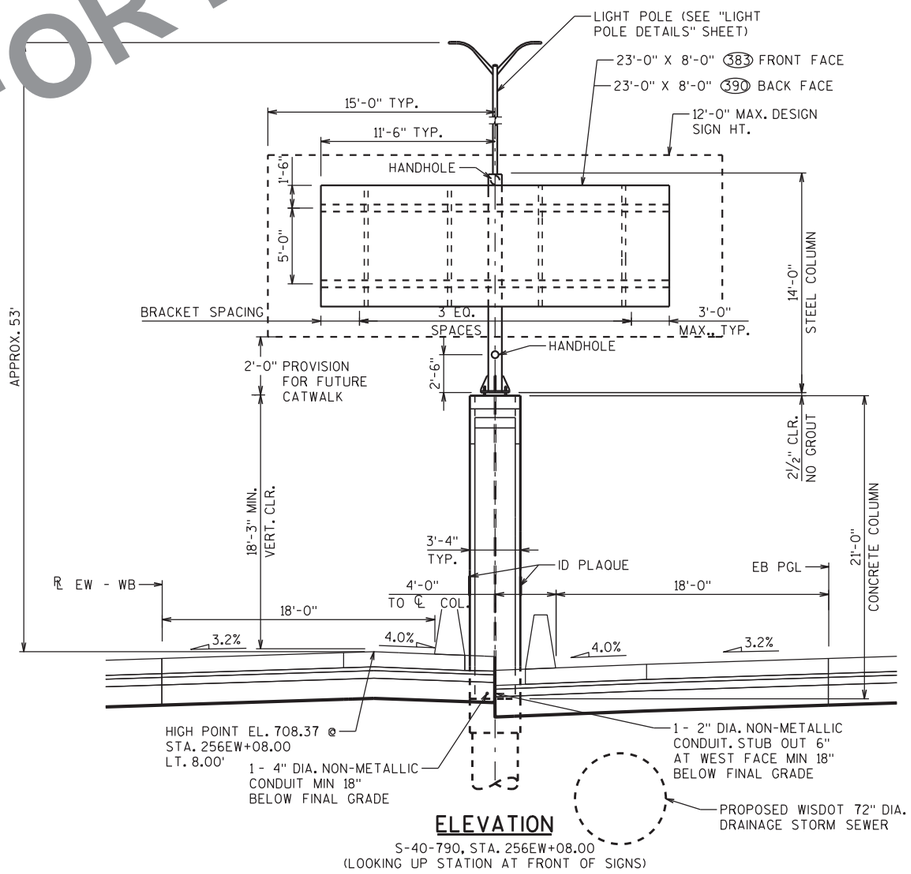
STATE PROJECT NUMBER
1060-33-80



PLAN

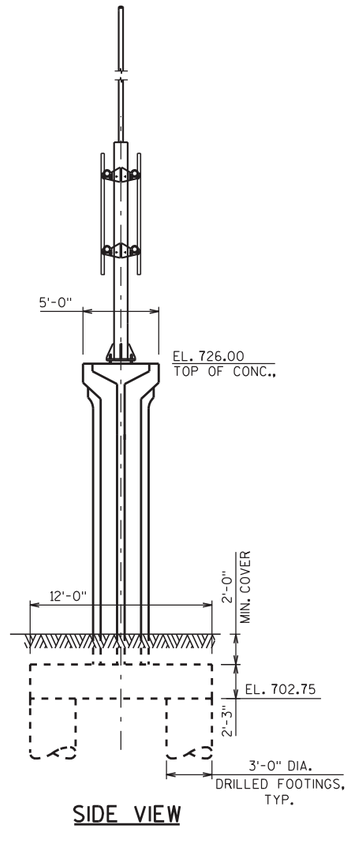


LOCATION MAP



ELEVATION

S-40-790, STA. 256EW+08.00
(LOOKING UP STATION AT FRONT OF SIGNS)



SIDE VIEW

S-40-790 TOTAL ESTIMATE OF QUANTITIES

	ITEM NUMBER	BID ITEM	UNIT	TOTAL
	636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	23
	636.1000	SIGN SUPPORTS STEEL REINFORCEMENT HS	LB	2,580
	636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	2,990
*	641.0600.0001	SIGN BRIDGE SINGLE POLE SIGN SUPPORT TWO SIGNS STRUCTURE S-40-790	LS	1
	SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4330

* THIS LUMP SUM PAY ITEM INCLUDES LIGHT POLE AND CONNECTION TO SIGN STRUCTURE COLUMN. SEE SHEET 9 FOR DETAILS.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-788/789/790

DRAWN BY AG | PLANS CK'D. STB

S-40-790
GENERAL PLAN
& ELEVATION

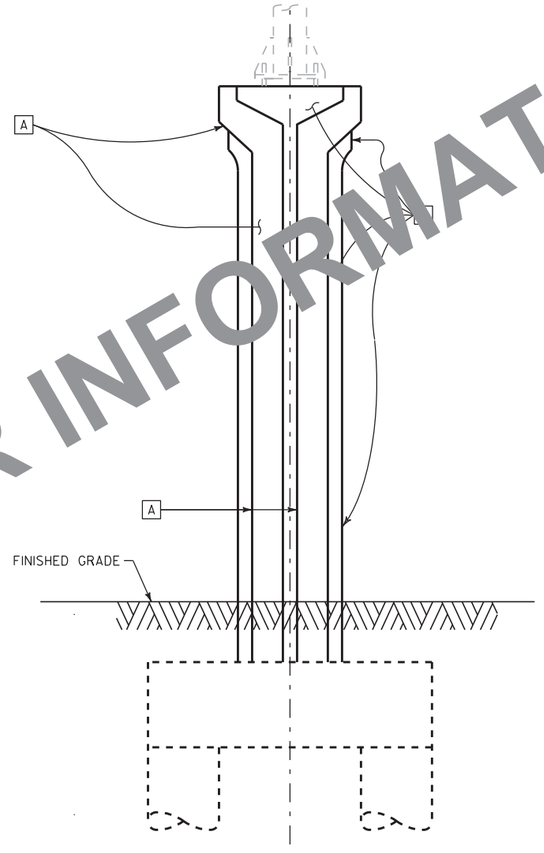
SHEET 4 OF 10

6668

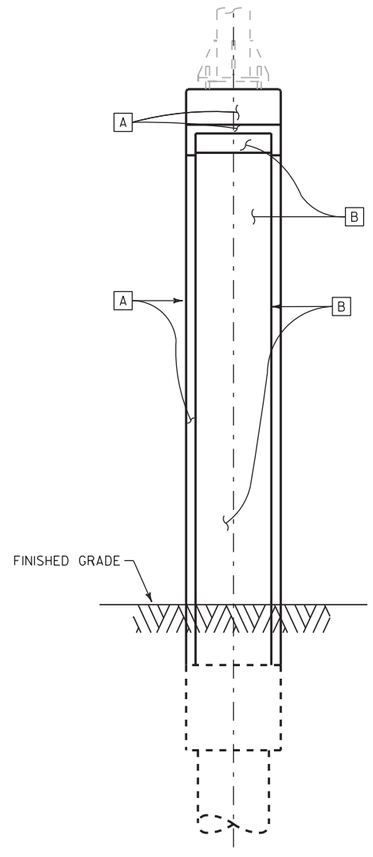
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FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



ELEVATION VIEW



END VIEW

CONCRETE STAINING SCHEDULE

MARK	COLOR	NOTES
A	BASE COLOR	SIDES TO FINISHED GRADE EXCEPT AS NOTED FOR ACCENT COLORS
B	ACCENT COLOR #1	REVEALS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE COLORS LISTED BELOW:

BASE COLOR : FEDERAL COLOR - 33564
ACCENT COLOR #1: FEDERAL COLOR - 33448

NOTE

THE COST FOR REVEALS AND CONCRETE AESTHETIC DETAILS ARE INCIDENTAL TO BID ITEM "SIGN SUPPORTS CONCRETE MASONRY".

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S-40-788/789/790

DRAWN BY AG | PLANS CK'D. STB

CONCRETE COLUMN AESTHETIC DETAILS

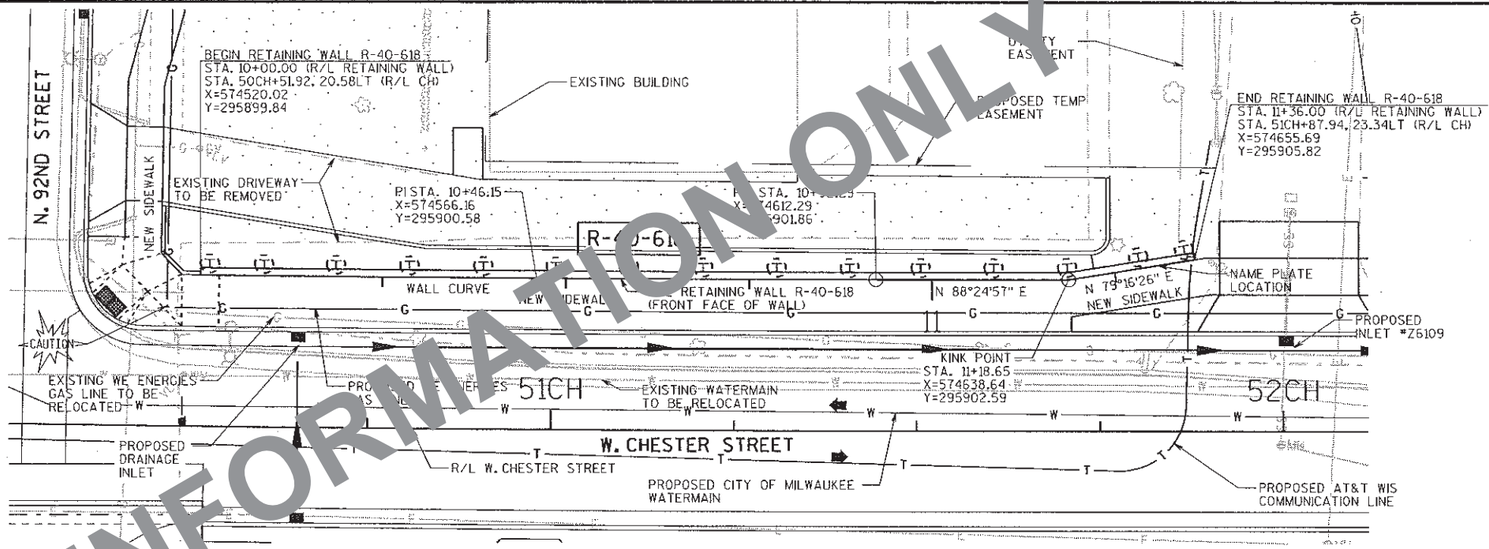
SHEET 10 OF 10

6669

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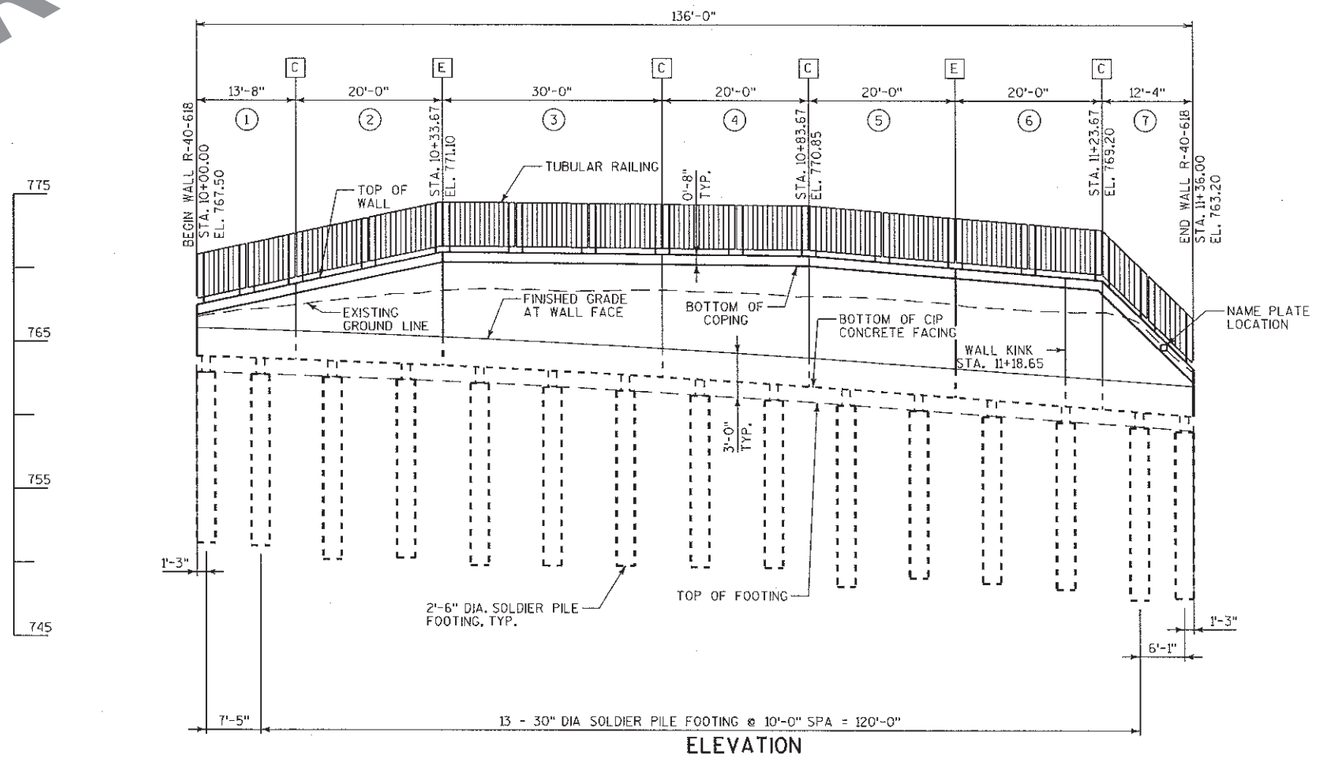
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE & LAGGING WALL



ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ALL DIMENSIONS MEASURED ALONG WALL ALIGNMENT

DESIGN DATA

LIVE LOAD:
LIVE LOAD SURCHARGE (ROADWAY): 240 PSF

MATERIAL PROPERTIES:

CIP WALL PANEL	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI
STRUCTURAL STEEL CARBON (ASTM A709 GRADE 50)	Fy = 50,000 PSI
CONCRETE MASONRY SOLDIER PILE FOOTINGS	f'c = 3,500 PSI
* TIMBER LAGGING	Fb = 1,150 PSI E = 1,800,000 PSI

*MATERIAL VALUES BASED ON DOUGLAS FIR-LARCH NO. 1, 2"-4" THICK.

HORIZONTAL CURVE DATA

WALL CURVE

PI = 10+46.15
X = 574566.16
Y = 295900.58
Δ = 0°39'46.31" LEFT
D = 0°43'05.61"
T = 46.15'
L = 92.29'
R = 7977.42'
PC = 10+00.00
X = 574520.02
Y = 295899.84
PT = 10+92.29
X = 574612.29
Y = 295901.86

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, DESIGN DATA & GENERAL NOTES
3. TYPICAL SECTION
4. WALL DETAILS
5. DATA TABLES
6. TUBULAR RAILING DETAILS
7. AESTHETIC WALL TREATMENT DETAILS
8. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

LEGEND

- C CONTRACTION JOINT
- E EXPANSION JOINT
- TRAFFIC DIRECTION
- X PANEL NUMBER

WISCONSIN
MOHAMMED H. ZAGLOUL
E-26970
MILWAUKEE
WISCONSIN
PROFESSIONAL ENGINEER
5/9/2014

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher KAR 05/14/14
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-40-618

WALL AT NE OF 92 ND ST. & CHESTER ST.

COUNTY	CITY
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MR	MHZ	MR	MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 8

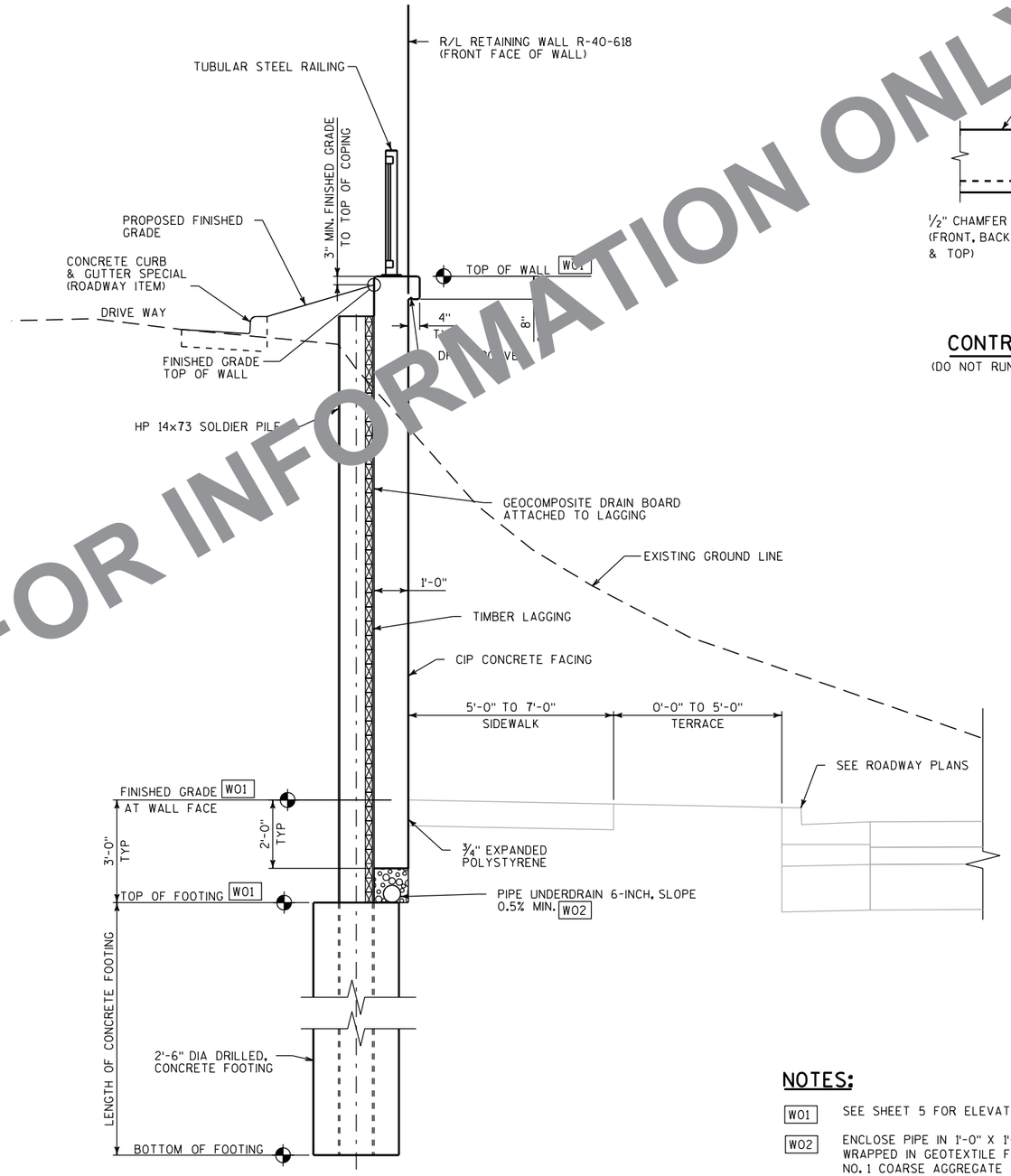
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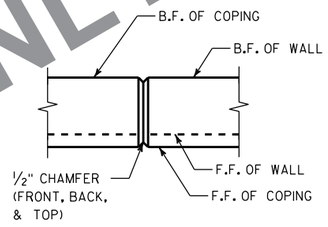
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FOR INFORMATION ONLY

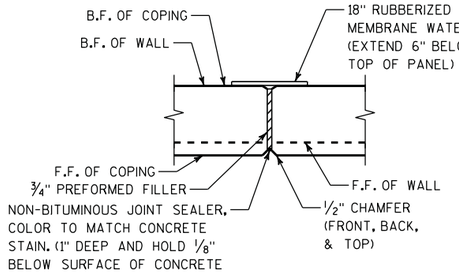
STATE PROJECT NUMBER
1060-33-80



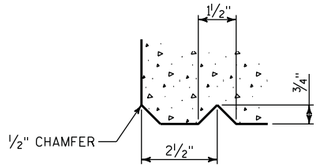
TYPICAL SECTION
LOOKING EAST



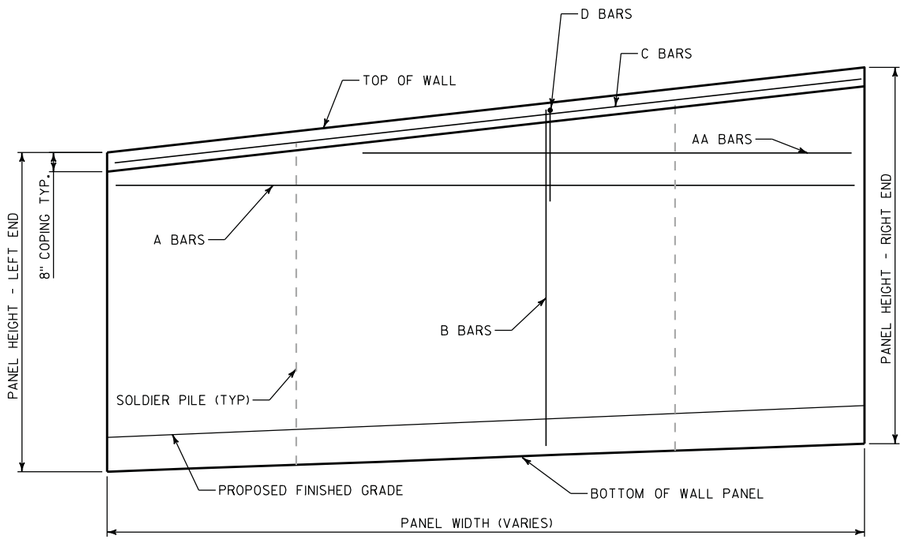
COPING
CONTRACTION JOINT
(DO NOT RUN BAR STEEL THRU JOINT)



COPING
EXPANSION JOINT



DETAIL C
¾" CONTINUOUS DRIP GROOVE
TERMINATE 2'-0" FROM END OF WALL



TYPICAL PANEL ELEVATION
SEE SHEET 5 FOR WALL PANEL DIMENSIONS, BAR SIZES AND QUANTITIES

NOTES:

W01 SEE SHEET 5 FOR ELEVATIONS

W02 ENCLOSE PIPE IN 1'-0" X 1'-0" AREA OF NO. 1 COARSE AGGREGATE WRAPPED IN GEOTEXTILE FABRIC TYPE DF. NO. 1 COARSE AGGREGATE AND GEOTEXTILE FABRIC TYPE DF INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH" CONNECT PIPE UNDERDRAIN TO INLET #Z6109 USING PIPE UNDERDRAIN UNPERFORATED PAID FOR UNDER "PIPE UNDERDRAIN UNPERFORATED 6-INCH"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-618

DRAWN BY MR | PLANS CK'D. MHZ

TYPICAL SECTION

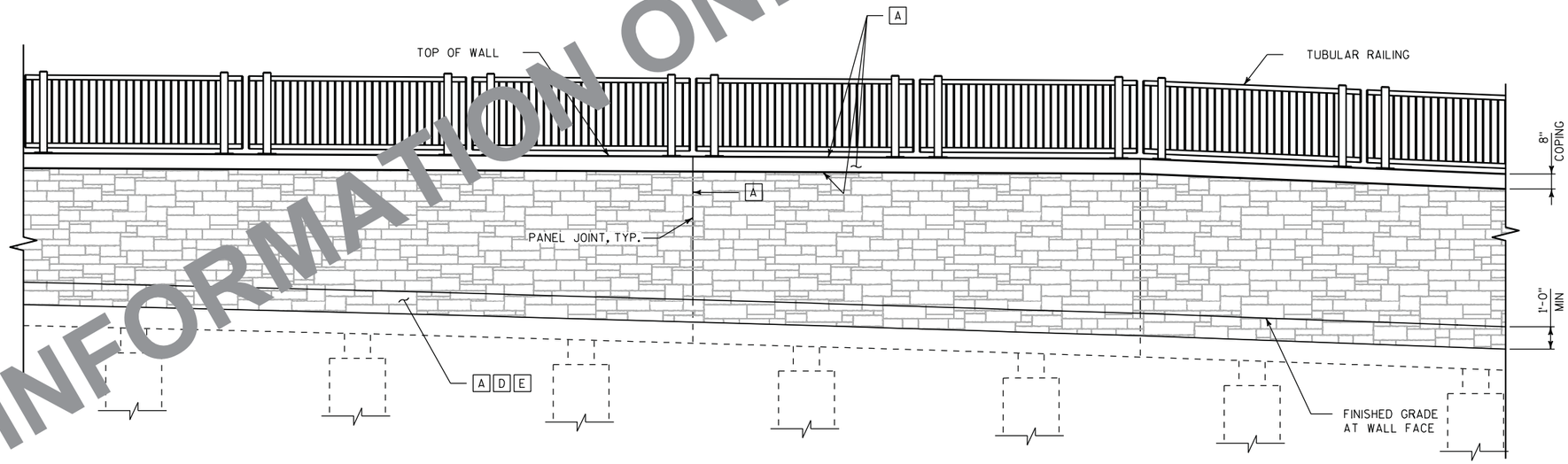
SHEET 3 OF 8

8

8

STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



ELEVATION

STAIN COLORS

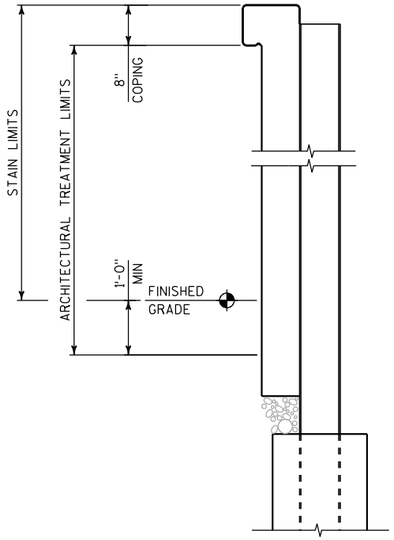
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR #3 - 33522
ACCENT COLOR #4 - 36424

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	COPING	FACE AND UNDERSIDE
		JOINTS	SEE SHEET 3 FOR JOINTS SECTIONS
		WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
D	ACCENT COLOR #3	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
E	ACCENT COLOR #4	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.



WALL STAINING AND ARCHITECTURAL TREATMENT DIAGRAM

ARCHITECTURAL SURFACE TREATMENT NOTES

ARCHITECTURAL SURFACE TREATMENT SHALL EXTEND 1'-0" MINIMUM BELOW FUTURE FINISHED GRADE.

PATTERN SHALL BE A "RANDOM SPLIT EDGE ASHLAR" PATTERN. THE PATTERN SHALL CONSIST OF RANDOM SIZED PIECES RANGING FROM A MINIMUM OF 1½" HIGH BY 4" LONG TO A MAXIMUM OF 10" HIGH BY 31" LONG WITH A MAXIMUM RELIEF OF 1½".

SUPPLY TO THE ENGINEER A MINIMUM OF TWO NON-PRODUCTION TEST PANELS WITH THE DECORATIVE DETAILS AS SHOWN. SAMPLE PANELS SHALL BE AT NOMINALLY 5 FEET BY 5 FEET OR LARGER IN SIZE TO SUFFICIENTLY DEMONSTRATE THE FINISHED APPEARANCE OF THE DECORATIVE RELIEF PATTERN SHOWN. THE SUBMITTED TEST PANELS SHALL FIT TOGETHER TO DEMONSTRATE THE CONTINUATION OF THE DECORATIVE RELIEF PATTERNS, FORM LINER TREATMENTS, AND TEXTURED SURFACE FINISHES ACROSS VERTICAL PANEL JOINTS. OBTAIN THE ENGINEER'S ACCEPTANCE OF THE DECORATIVE PATTERNED SAMPLE PANELS PRIOR TO PRODUCTION OF THE DECORATIVE RELIEF PATTERNED PANELS REQUIRED FOR THE CONTRACT. SAMPLE PANELS INCLUDED IN THE BID ITEM "ARCHITECTURAL SURFACE TREATMENT R-40-618".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-618

DRAWN BY MR | PLANS CK'D. MHZ

AESTHETIC WALL TREATMENT DETAILS

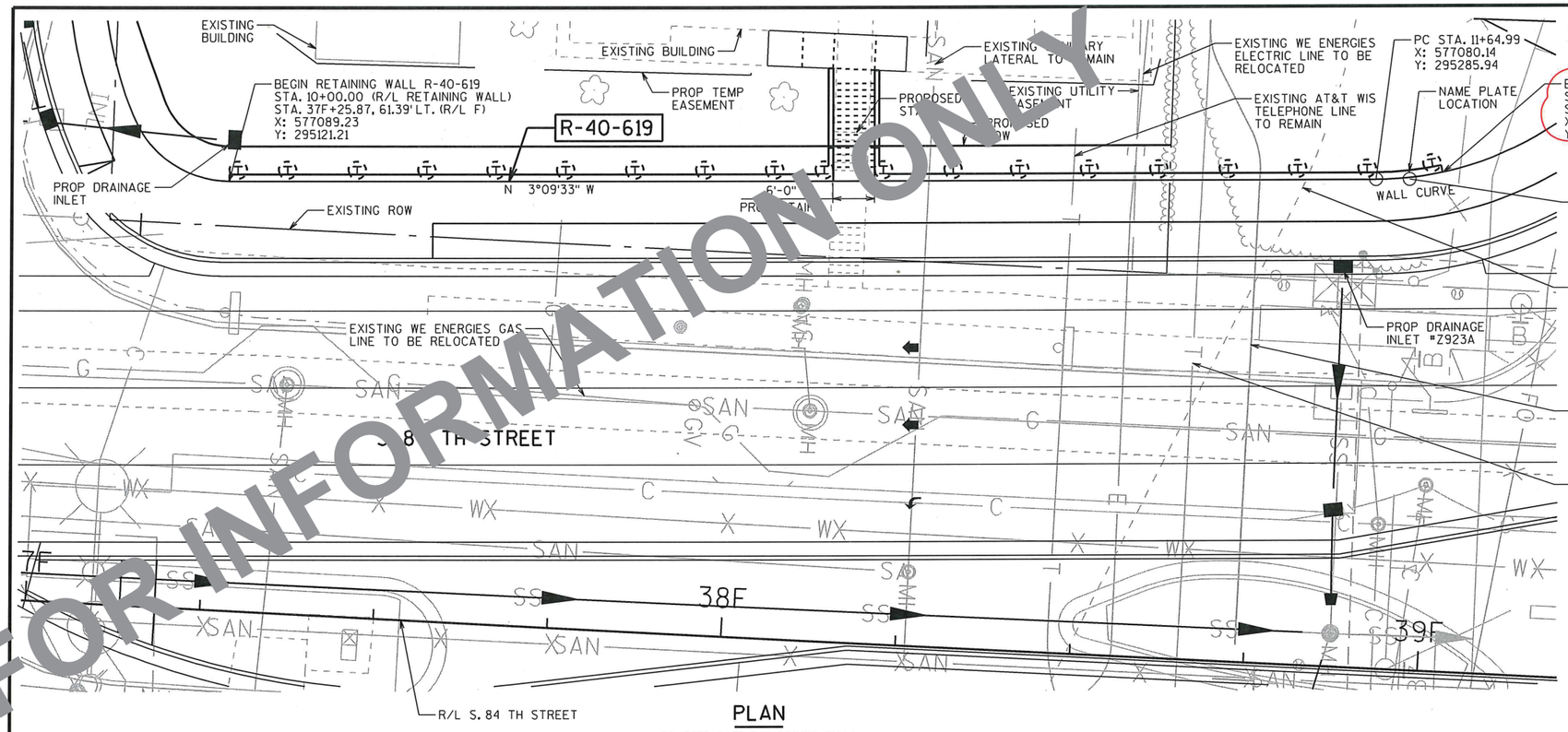
SHEET 7 OF 8

6672

8

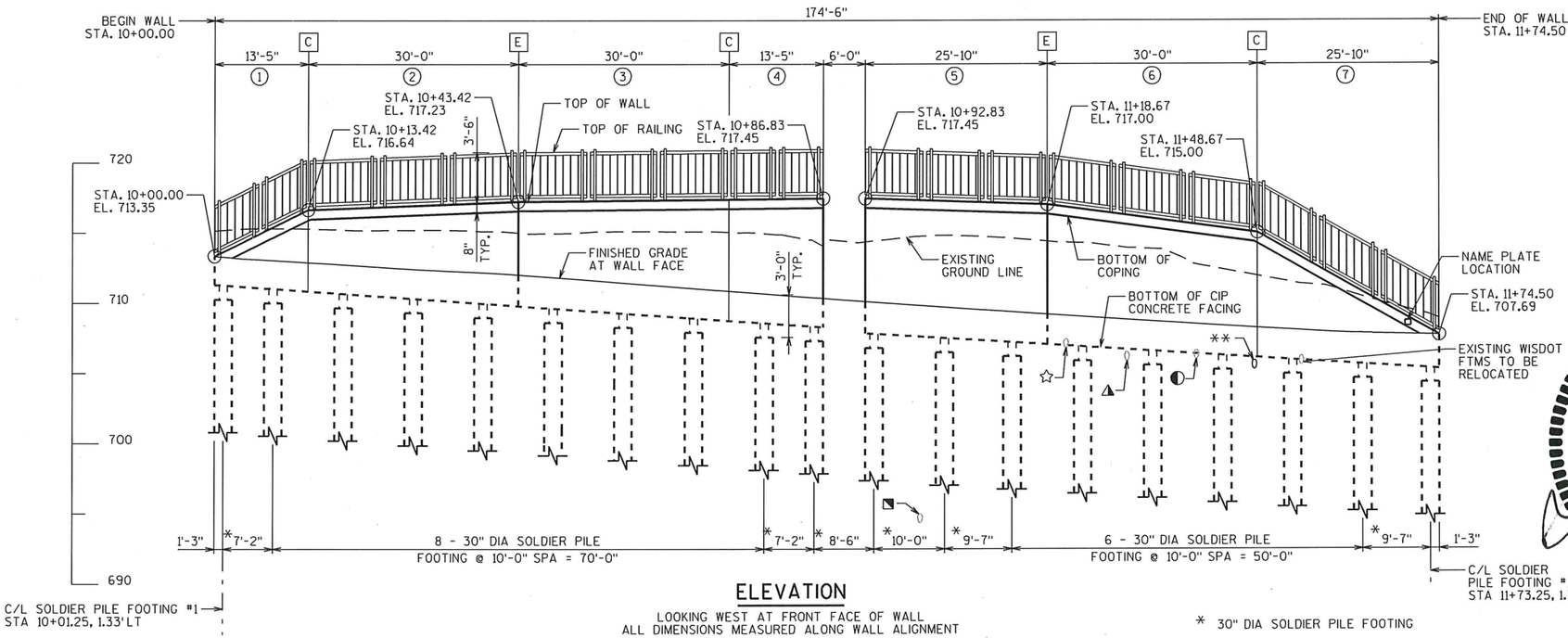
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PLAN

SOLDIER PILE & LAGGING WALL



ELEVATION

LOOKING WEST AT FRONT FACE OF WALL
ALL DIMENSIONS MEASURED ALONG WALL ALIGNMENT

* 30" DIA SOLDIER PILE FOOTING

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80

DESIGN DATA

LIVE LOAD:
CANTILEVER LIVE LOAD SURCHARGE: 100 PSF

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI
PILE FOOTING	f'c = 3,500 PSI
STRUCTURAL STEEL CARBON	Fy = 50,000 PSI
* TIMBER LAGGING	F_b = 1,150 PSI
	E = 1,800,00 PSI

* MATERIAL VALUES BASED ON DOUGLAS FIR-LARCH NO. 1, 2"-4" THICK

LEGEND

- (C) CONTRACTION JOINT
- (E) EXPANSION JOINT
- TRAFFIC DIRECTION
- EXISTING AT&T WIS TELEPHONE LINE TO REMAIN
- EXISTING AT&T WIS TELEPHONE LINE TO BE REMOVED
- ** PROPOSED AT&T WIS COMMUNICATION LINE
- EXISTING SANITARY LATERAL TO REMAIN
- EXISTING WE ENERGIES ELECTRICAL LINE TO REMAIN
- (X) PANEL NUMBER

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, DESIGN DATA & GENERAL NOTES
3. TYPICAL WALL SECTIONS (1 OF 3)
4. TYPICAL WALL SECTIONS (2 OF 3)
5. TYPICAL WALL SECTIONS (3 OF 3)
6. WALL AND PILE DATA TABLE
7. TUBULAR RAILING DETAILS
8. PIPE RAILING DETAILS
9. AESTHETIC WALL TREATMENT DETAILS
10. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY
1	08/26/14	STATION & COORDINATES CORRECTED	SWS

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
STEVEN W. SCHMITT
E-37333
FRANKLIN
WISCONSIN
PROFESSIONAL ENGINEER
8/26/14

STRUCTURE R-40-619

WALL AT SW CORNER OF THE 84 TH ST. INTERCHANGE

COUNTY	TOWN/CITY/VILLAGE
MILWAUKEE	MILWAUKEE

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SWS	MHZ	SWS	MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 10

3246
6673

8

8

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FOR INFORMATION ONLY

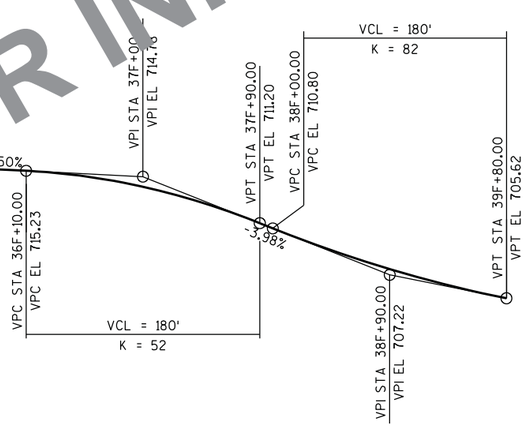
STATE PROJECT NUMBER
1060-33-80

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEM	UNIT	TOTAL
206.3000.0008	EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-619 *	LS	1
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	61
505.0615	BAR STEEL REINFORCEMENT HS COATED RETAINING WALLS	LB	10,390
506.0605	STRUCTURAL STEEL HS	LB	22,557
506.3010	WELDED STUD SHEAR CONNECTORS 7/8 X 5-INCH	EACH	133
513.4080	RAILING TUBULAR SPECIAL R-40-619	LS	1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	3
517.0600.0009	PAINTING EPOXY SYSTEM R-40-619	LS	1
517.1050.S.0020	ARCHITECTURAL SURFACE TREATMENT R-40-619	SF	1,0
612.0106	PIPE UNDERDRAIN 6-INCH	LF	175
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH		20
SPV.0035.4010	CONCRETE MASONRY SOLDIER PILE FOOTINGS	CY	32
SPV.0075.4210	OBSTRUCTIONS FOUNDATION DRILLING	HRS	3
SPV.0090.4440	FOUNDATION DRILLING	F	309
SPV.0110.4600	TIMBER LAGGING	MBM	3.6
SPV.0165.4750	GEOCOMPOSITE DRAIN BOARD	SF	1,189
	NON-BID ITEMS		
	NAME PLATE	EACH	1
	NON-BITUMINOUS JOINT FILLER	SIZE	3/4"
	PREFORMED JOINT FILLER	SIZE	3/4"

ALL ITEMS ARE CATEGORY 3190

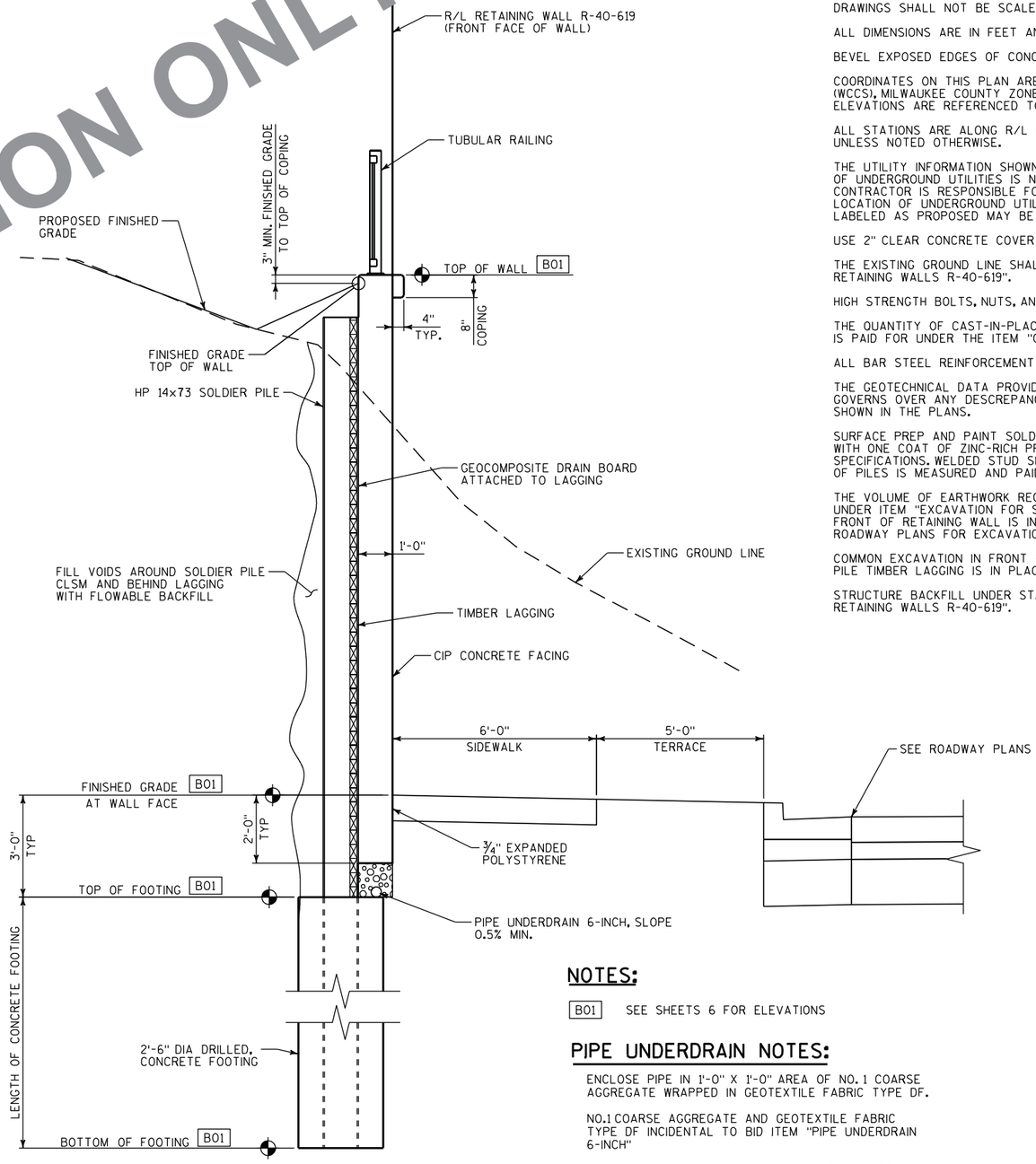
*INCLUDES STRUCTURE BACKFILL UNDER STAIRCASE



PROFILE GRADE LINE S. 84 TH STREET

SOLDIER PILE WALL ANALYSIS SOIL PARAMETERS

SOIL UNIT	TOTAL UNIT WEIGHT, PCF	UNDRAINED		DRAINED	
		UNDRAINED SHEAR STRENGTH, SU, PSF	FRICTION ANGLE, ϕ, DEG	COHESION C', PSF	FRICTION ANGLE, ϕ, DEG
HARD COHESIVE SOIL	140	4,000	0	200	34
VERY STIFF COHESIVE SOIL	135	2,500	0	100	32



TYPICAL SECTION

LOOKING EAST
STA 37F+25.87 TO STA 39F+00.17

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ALL STATIONS ARE ALONG R/L OF R-40-619 RETAINING WALL (ALONG FINISHED WALL FACE) UNLESS NOTED OTHERWISE.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

USE 2" CLEAR CONCRETE COVER FOR ALL REINFORCEMENT UNLESS OTHERWISE SHOWN.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-619".

HIGH STRENGTH BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.

THE QUANTITY OF CAST-IN-PLACE CONCRETE MASONRY FOR THE COPING AND CONCRETE FACING IS PAID FOR UNDER THE ITEM "CONCRETE MASONRY RETAINING WALLS".

ALL BAR STEEL REINFORCEMENT IS TO BE EPOXY COATED.

THE GEOTECHNICAL DATA PROVIDED FOR THIS STRUCTURE IN THE GEOTECHINCAL DATA REPORT GOVERNS OVER ANY DESCREPANCY WITH THE SUBSURFACE EXPLORATION AND GEOTECHNICAL DATA SHOWN IN THE PLANS.

SURFACE PREP AND PAINT SOLDIER PILES FROM TOP OF PILE TO 1'-0" BELOW TOP OF FOOTING WITH ONE COAT OF ZINC-RICH PRIMER AS SPECIFIED IN SECTION 517 OF THE STANDARD SPECIFICATIONS. WELDED STUD SHEAR CONNECTORS ARE NOT REQUIRED TO BE PAINTED. PAINTING OF PILES IS MEASURED AND PAID FOR AS BID ITEM 517.0600, "PAINTING EPOXY SYSTEM R-40-619".

THE VOLUME OF EARTHWORK REQUIRED FOR THE LAGGING AND THE UNDERDRAIN IS PAID FOR UNDER ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-40-619." ALL EARTHWORK IN FRONT OF RETAINING WALL IS INCLUDED IN THE ROADWAY BID ITEM "COMMON EXCAVATION." SEE ROADWAY PLANS FOR EXCAVATION LIMITS.

COMMON EXCAVATION IN FRONT OF THE RETAINING WALL MAY NOT BEGIN UNTIL THE SOLDIER PILE TIMBER LAGGING IS IN PLACE.

STRUCTURE BACKFILL UNDER STAIRCASE IS INCLUDED IN BID ITEM "EXCAVATED FOR STRUCTURES RETAINING WALLS R-40-619".

NOTES:

B01 SEE SHEETS 6 FOR ELEVATIONS

PIPE UNDERDRAIN NOTES:

ENCLOSE PIPE IN 1'-0" X 1'-0" AREA OF NO. 1 COARSE AGGREGATE WRAPPED IN GEOTEXTILE FABRIC TYPE DF.

NO.1 COARSE AGGREGATE AND GEOTEXTILE FABRIC TYPE DF INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH"

CONNECT TO INLET #Z923A USING PIPE UNDERDRAIN UNPERFORATED PAID FOR UNDER "PIPE UNDERDRAIN UNPERFORATED 6-INCH".

HORIZONTAL CURVE DATA

WALL CURVE

P.I. = 11+69.75
X = 577079.88
Y = 295290.70
2 DELTA = 11°44'17" LEFT
D = 123°25'45"
T = 4.77'
L = 9.51'
R = 46.42'
P.C. = 11+64.99
X = 577080.14
Y = 295285.94
P.T. = 11+74.50
X = 577078.65
2 Y = 295295.32

NO.	DATE	REVISION	BY
2	10/03/14	CURVE DATA CORRECTED	SWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-619

DRAWN BY SWS | PLANS CK'D. MHZ

QUANTITIES, DESIGN DATA & GENERAL NOTES

SHEET 2 OF 10

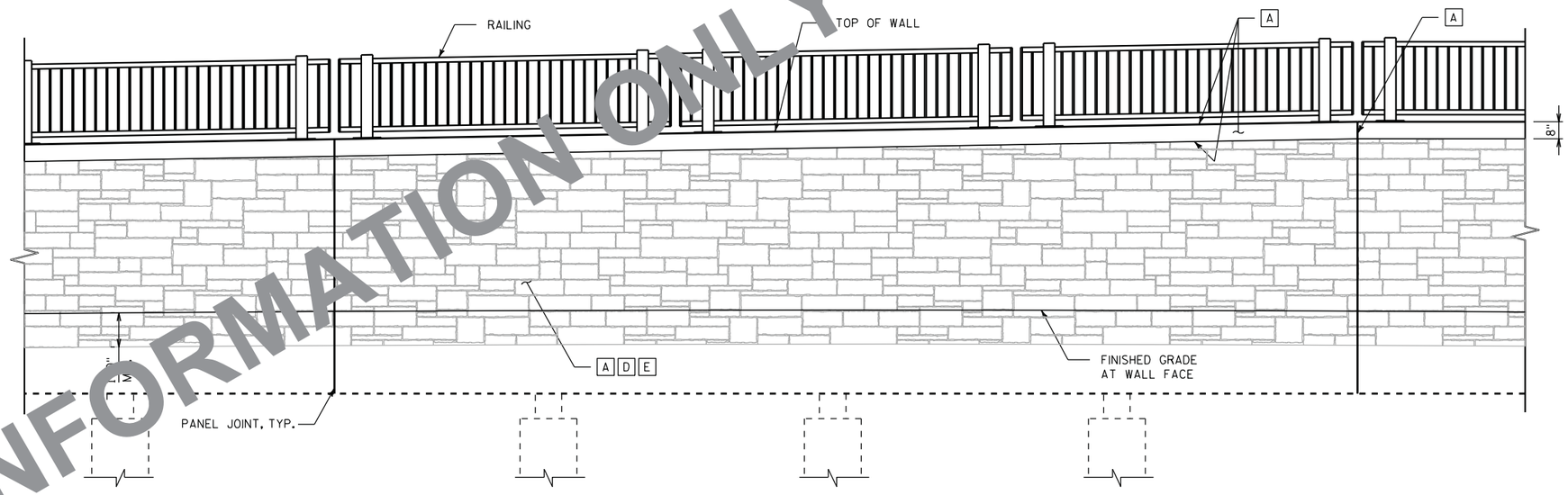
3247
6674

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STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



ELEVATION

ARCHITECTURAL SURFACE TREATMENT NOTES:

ARCHITECTURAL SURFACE TREATMENT SHALL EXTEND 1'-0" MINIMUM BELOW FUTURE FINISHED GRADE.

PATTERN SHALL BE A "RANDOM SPLIT EDGE ASHLAR" PATTERN. THE PATTERN SHALL CONSIST OF RANDOM SIZED PIECES RANGING FROM A MINIMUM OF 1½" HIGH BY 4" LONG TO A MAXIMUM OF 10" HIGH BY 31" LONG WITH A MAXIMUM RELIEF OF 1½".

BRICK PATTERN SHALL MATCH THE NON-PRODUCTION TEST PANELS DEVELOPED FOR WALL R-40-618.

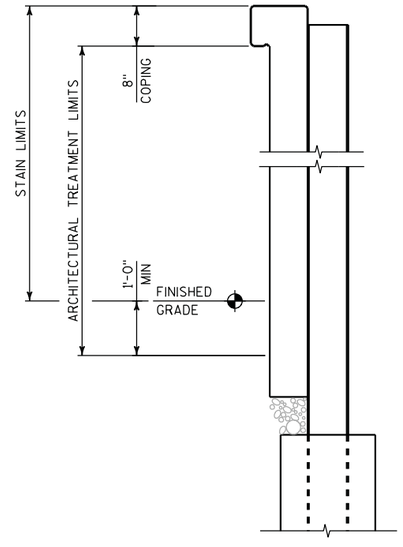
STAIN COLORS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR #3 - 33522
ACCENT COLOR #4 - 36424

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	JOINTS	SEE SECTIONS ON SHEET 4
		WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
D	ACCENT COLOR #3	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
E	ACCENT COLOR #4	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE



WALL STAINING AND ARCHITECTURAL TREATMENT DIAGRAM

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-619

DRAWN BY SWS | PLANS CK'D. MHZ

AESTHETIC WALL TREATMENT DETAILS

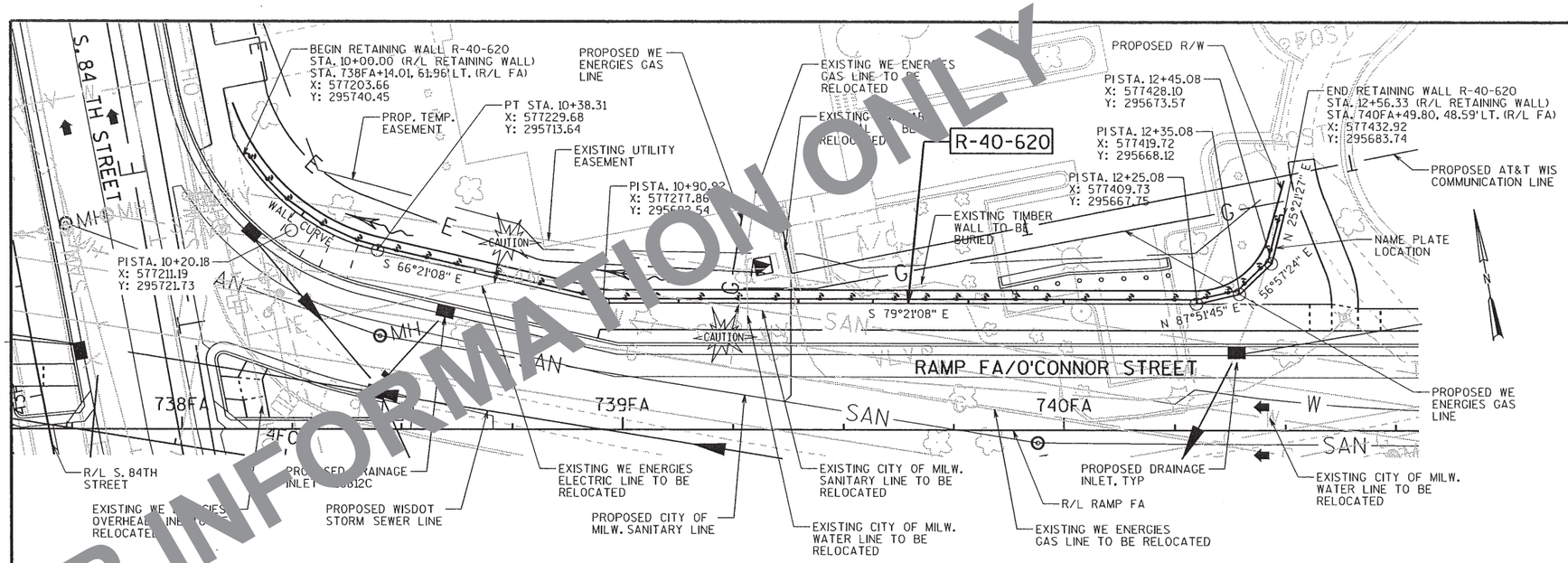
SHEET 9 OF 10

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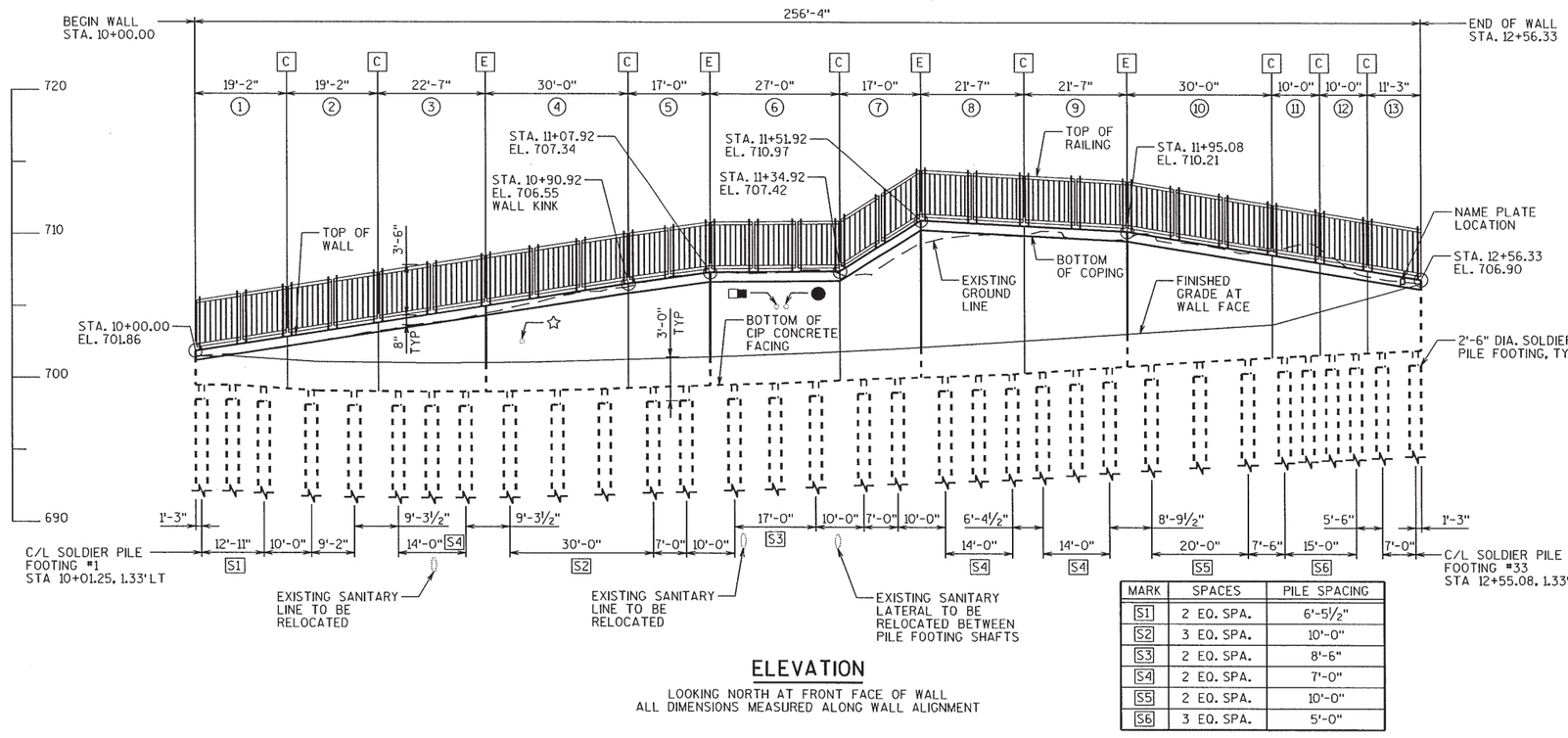
FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



PLAN

SOLDIER PILE & LAGGING WALL



MARK	SPACES	PILE SPACING
S1	2 EQ. SPA.	6'-5½"
S2	3 EQ. SPA.	10'-0"
S3	2 EQ. SPA.	8'-6"
S4	2 EQ. SPA.	7'-0"
S5	2 EQ. SPA.	10'-0"
S6	3 EQ. SPA.	5'-0"

ELEVATION

LOOKING NORTH AT FRONT FACE OF WALL
ALL DIMENSIONS MEASURED ALONG WALL ALIGNMENT

DESIGN DATA

LIVE LOAD:
CANTILEVER LIVE LOAD SURCHARGE: 100 PSF

MATERIAL PROPERTIES

CONCRETE MASONRY RETAINING WALL	f'c = 4,000 PSI
BAR STEEL REINFORCEMENT	fy = 60,000 PSI
PILE FOOTING	f'c = 3,500 PSI
STRUCTURAL STEEL CARBON	Fy = 50,000 PSI
*TIMBER LAGGING	F_b = 1,150 PSI
	E = 1,800,00 PSI

*MATERIAL VALUES BASED ON DOUGLAS FIR-LARCH NO. 1, 2"-4" THICK

LEGEND

- C — CONTRACTION JOINT
- E — EXPANSION JOINT
- TRAFFIC DIRECTION
- EXISTING ELECTRIC LINE TO BE RELOCATED
- EXISTING GAS LINE TO BE RELOCATED
- EXISTING WATER LINE TO BE RELOCATED
- (X) PANEL NUMBER

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, DESIGN DATA & GENERAL NOTES
3. TYPICAL SECTIONS (1 OF 3)
4. TYPICAL SECTIONS (2 OF 3)
5. TYPICAL SECTIONS (3 OF 3)
6. WALL AND PILE DATA TABLE
7. TUBULAR RAILING DETAILS
8. AESTHETIC WALL TREATMENT DETAILS
9. SUBSURFACE EXPLORATION

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher 5/27/14
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
STEVEN W. SCHMITT
E-37333
FRANKLIN
WISCONSIN
PROFESSIONAL ENGINEER
5/19/14

STRUCTURE R-40-620

WALL AT NE CORNER OF THE 84 TH ST. INTERCHANGE

COUNTY: MILWAUKEE
~~TOWN/CITY/VILLAGE~~: MILWAUKEE

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SWS	MHZ	SWS	MHZ

GENERAL PLAN & ELEVATION

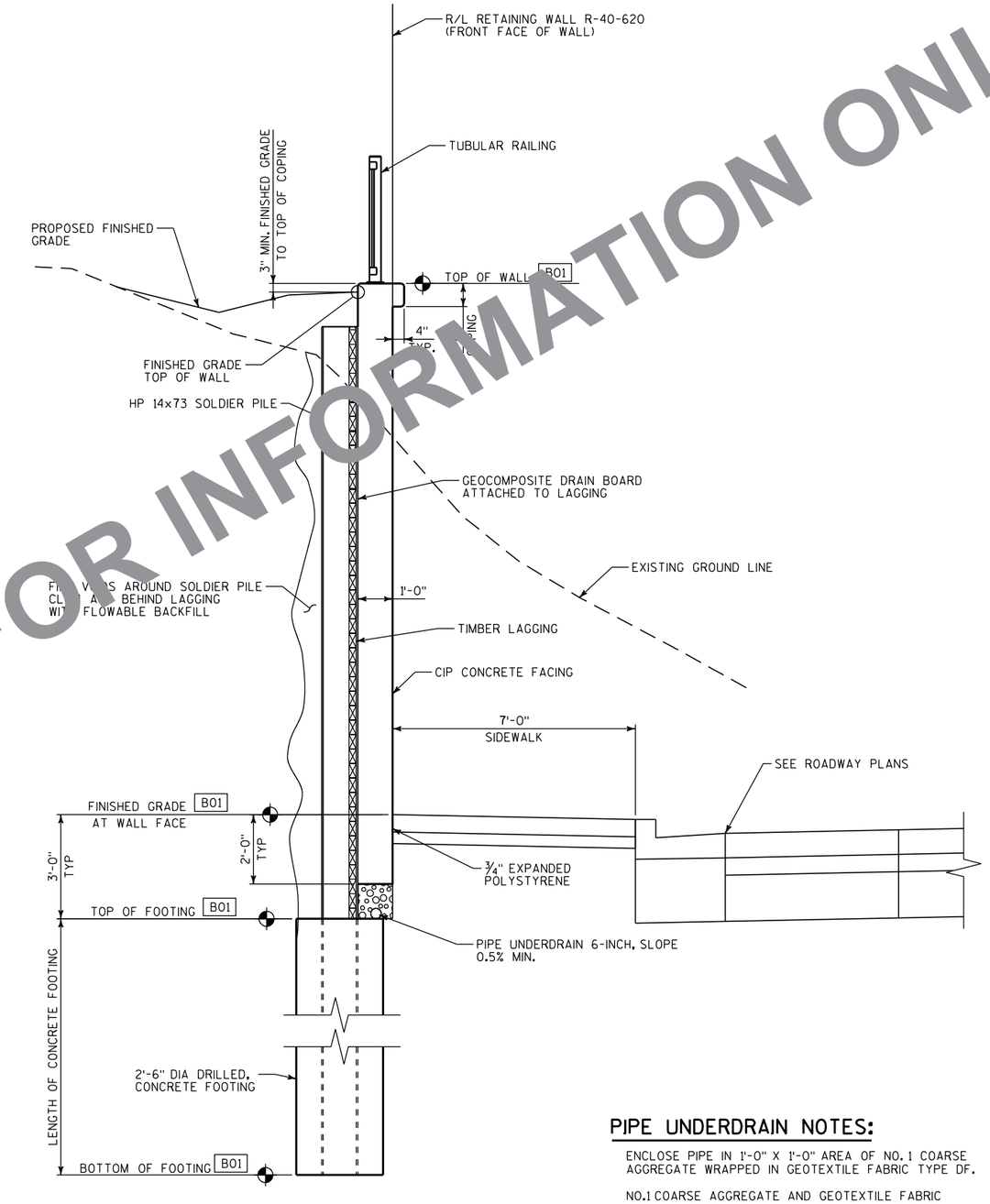
SHEET 1 OF 9

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8

FOR INFORMATION ONLY

STATE PROJECT NUMBER
1060-33-80



TYPICAL SECTION

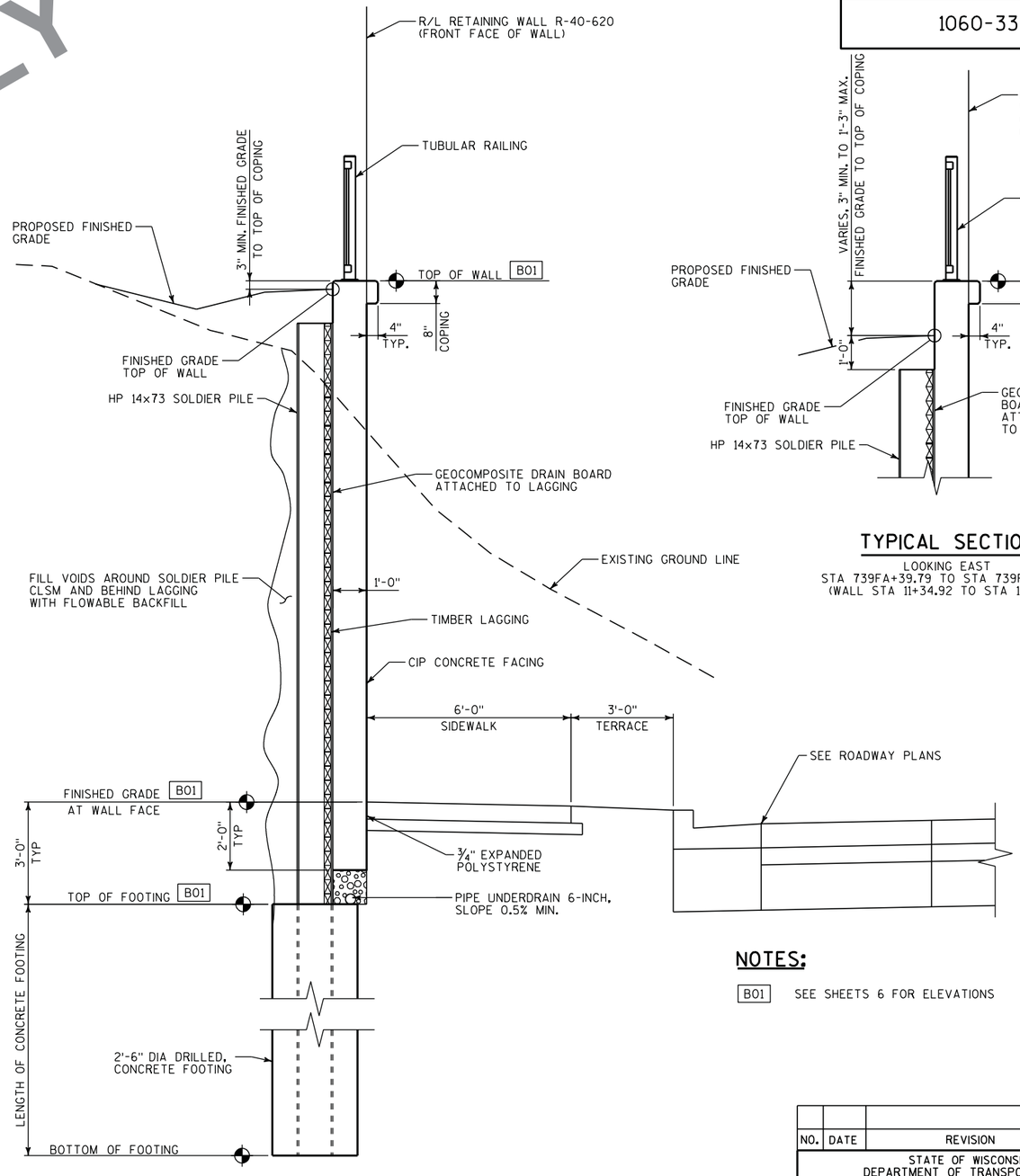
LOOKING EAST
STA 738FA+08.46 TO STA 738FA+52.08

PIPE UNDERDRAIN NOTES:

ENCLOSE PIPE IN 1'-0" X 1'-0" AREA OF NO. 1 COARSE AGGREGATE WRAPPED IN GEOTEXTILE FABRIC TYPE DF.

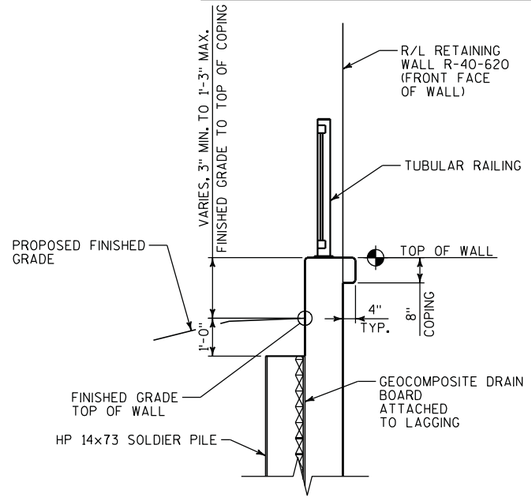
NO.1 COARSE AGGREGATE AND GEOTEXTILE FABRIC TYPE DF INCIDENTAL TO BID ITEM "PIPE UNDERDRAIN 6-INCH"

CONNECT TO INLET #Z6812C USING PIPE UNDERDRAIN UNPERFORATED PAID FOR UNDER "PIPE UNDERDRAIN UNPERFORATED 6-INCH".



TYPICAL SECTION

LOOKING EAST
STA 738FA+52.08 TO STA 740FA+49.65



TYPICAL SECTION

LOOKING EAST
STA 739FA+39.79 TO STA 739FA+56.79
(WALL STA 11+34.92 TO STA 11+51.92)

NOTES:

B01 SEE SHEETS 6 FOR ELEVATIONS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-620

DRAWN BY SWS | PLANS CK'D. MHZ

TYPICAL WALL SECTIONS (1 OF 3)

SHEET 3 OF 9

6677

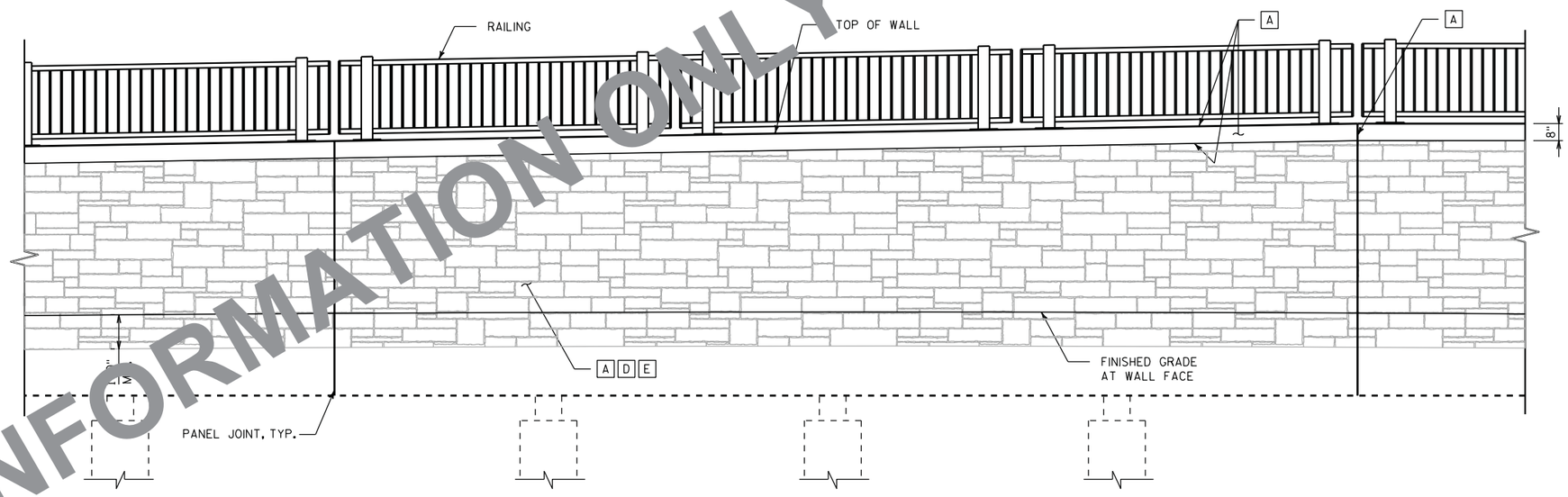
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STATE PROJECT NUMBER
1060-33-80

FOR INFORMATION ONLY



ELEVATION

ARCHITECTURAL SURFACE TREATMENT NOTES:

ARCHITECTURAL SURFACE TREATMENT SHALL EXTEND 1'-0" MINIMUM BELOW FUTURE FINISHED GRADE.

PATTERN SHALL BE A "RANDOM SPLIT EDGE ASHLAR" PATTERN. THE PATTERN SHALL CONSIST OF RANDOM SIZED PIECES RANGING FROM A MINIMUM OF 1½" HIGH BY 4" LONG TO A MAXIMUM OF 10" HIGH BY 31" LONG WITH A MAXIMUM RELIEF OF 1½".

BRICK PATTERN SHALL MATCH THE NON-PRODUCTION TEST PANELS DEVELOPED FOR WALL R-40-618.

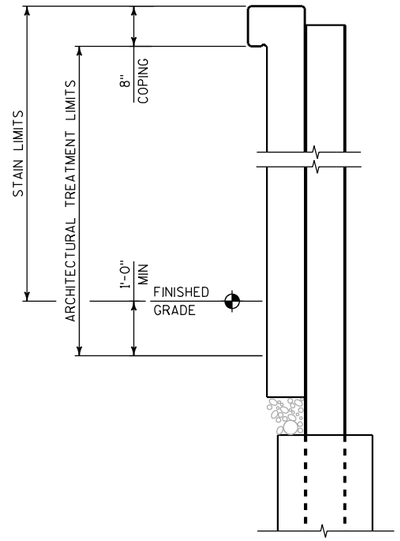
STAIN COLORS

THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR #3 - 33522
ACCENT COLOR #4 - 36424

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	JOINTS	SEE SECTIONS ON SHEET 5
		WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
		COPING	FACE AND UNDERSIDE
D	ACCENT COLOR #3	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
E	ACCENT COLOR #4	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE



WALL STAINING AND ARCHITECTURAL TREATMENT DIAGRAM

CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-619

DRAWN BY SWS | PLANS CK'D. MHZ

AESTHETIC WALL TREATMENT DETAILS

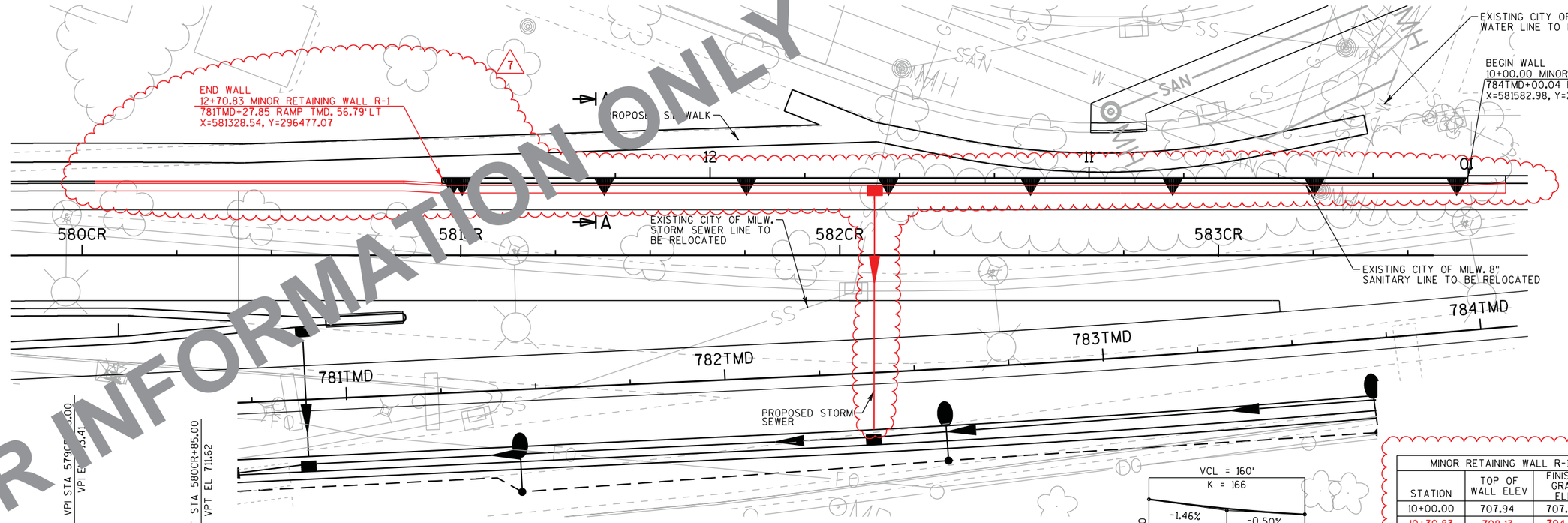
SHEET 8 OF 9

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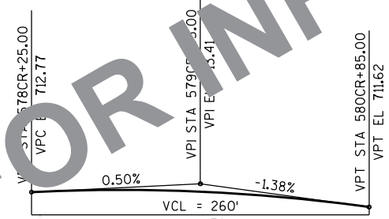
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FOR INFORMATION ONLY

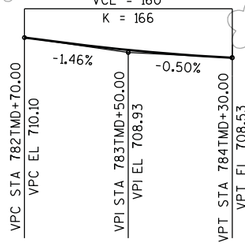


PLAN

STATION AND OFFSETS ARE GIVEN TO FRONT FACE OF WALL

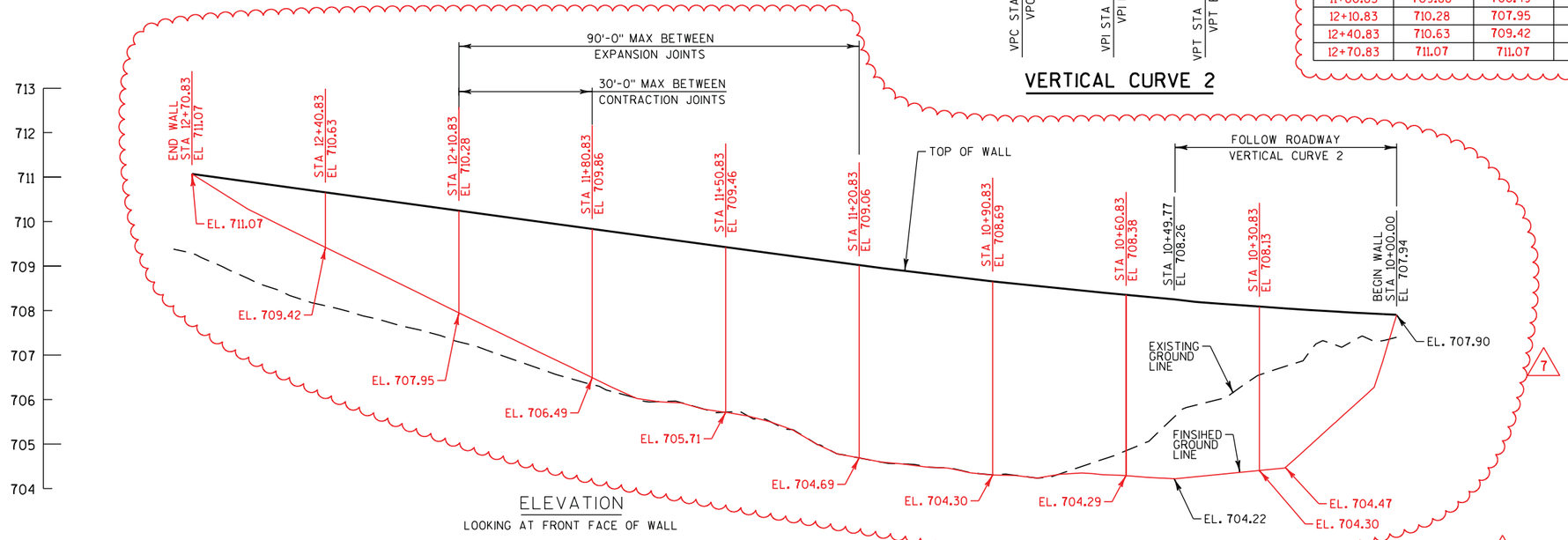


VERTICAL CURVE 1



VERTICAL CURVE 2

MINOR RETAINING WALL R-1 ELEVATIONS			
STATION	TOP OF WALL ELEV	FINISHED GRADE ELEV	EXISTING GROUND ELEV
10+00.00	707.94	707.90	707.40
10+30.83	708.13	704.30	706.58
10+60.83	708.38	704.29	704.87
10+90.83	708.69	704.3	704.32
11+20.83	709.06	704.69	704.69
11+50.83	709.46	705.71	705.73
11+80.83	709.86	706.49	706.35
12+10.83	710.28	707.95	707.31
12+40.83	710.63	709.42	708.12
12+70.83	711.07	711.07	709.30



ELEVATION

LOOKING AT FRONT FACE OF WALL

MINOR RETAINING WALL R-1

7 REVISED 4/2/15

PROJECT NO: 1060-33-80	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

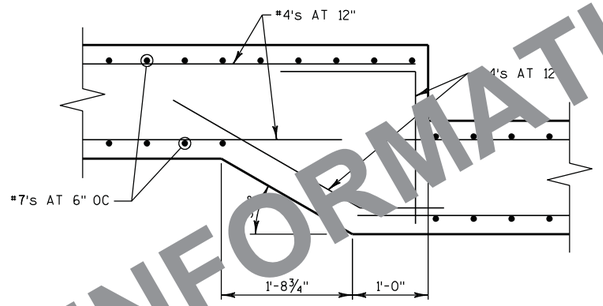
FOR INFORMATION ONLY

NOTES

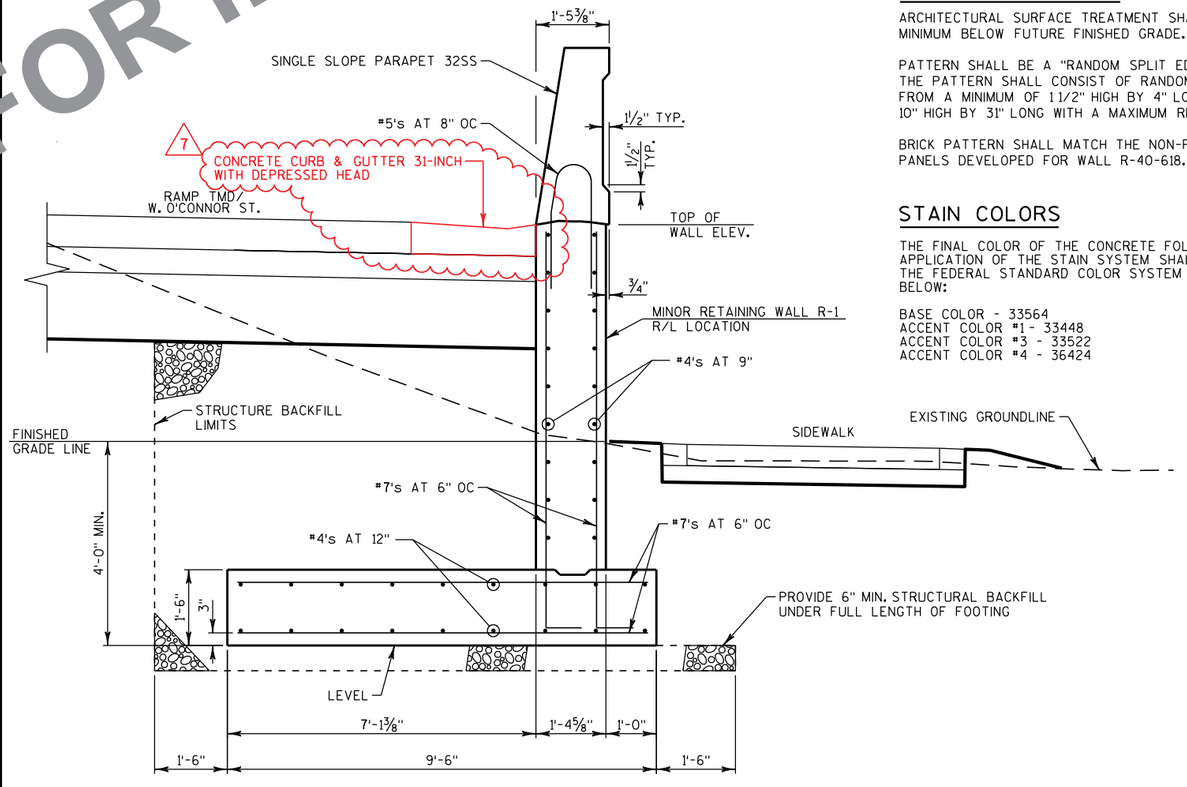
1. THE FOLLOWING ASSUMPTIONS WERE USED FOR THE DESIGN OF THE FOUNDATION. IF VARIATIONS IN THE ASSUMED DESIGN PARAMETERS ARE FOUND DURING CONSTRUCTION, NOTIFY THE PROJECT ENGINEER FOR REQUIRED MODIFICATION TO THE FOUNDATION SYSTEM.

   ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF
   ALLOWABLE COHESION = 1750 PSF
   ASSMED FRICTION ANGLE = 30 DEGREES

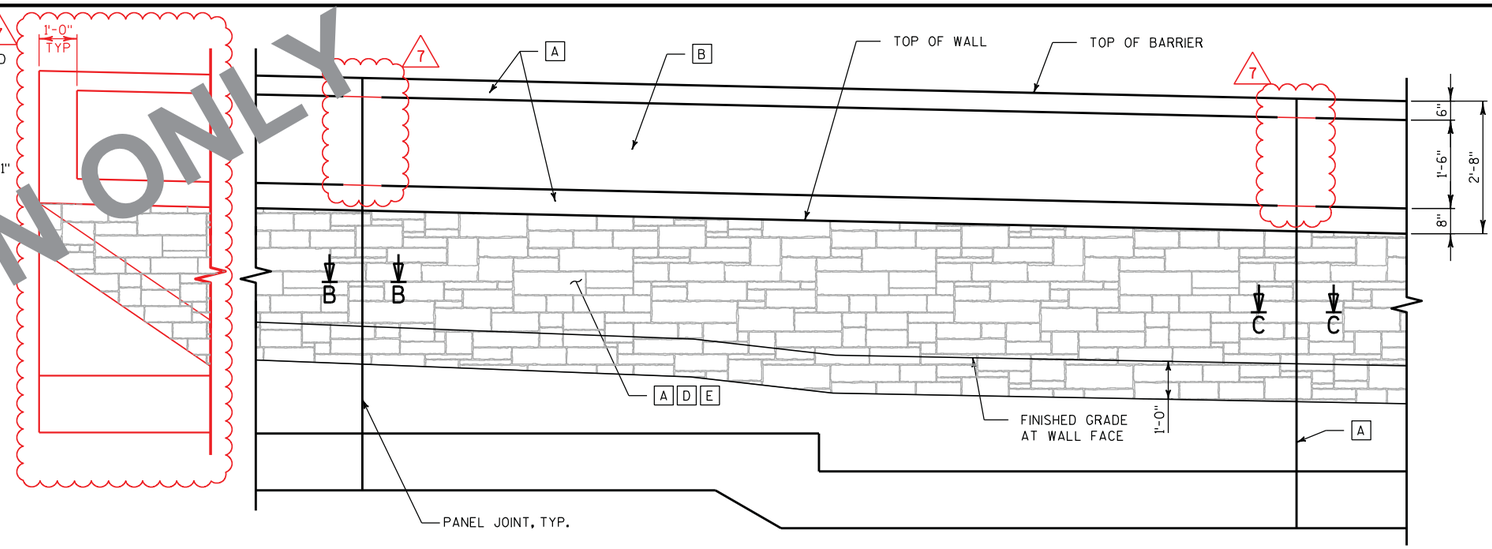
2. PAYMENT FOR ALL ITEMS REQUIRED FOR RETAINING WALL INCLUDED UNDER BID ITEM "MINOR RETAINING WALL R-1"
3. BAR STEEL REINFORCEMENT COMPLETELY CONTAINED WITHIN THE FOOTING MAY BE NON COATED. ALL OTHER REINFORCEMENT MUST BE COATED HIGH STRENGTH BAR STEEL REINFORCEMENT.
4. BAR STEEL REINFORCEMENT WILL BE PLACED WITH 2" CLEAR CONCRETE COVER UNLESS OTHERWISE NOTED.



TYPICAL FOOTING STEP



SECTION A-A



ELEVATION

ARCHITECTURAL SURFACE TREATMENT NOTES:

ARCHITECTURAL SURFACE TREATMENT SHALL EXTEND 1'-0" MINIMUM BELOW FUTURE FINISHED GRADE.

PATTERN SHALL BE A "RANDOM SPLIT EDGE ASHLAR" PATTERN. THE PATTERN SHALL CONSIST OF RANDOM SIZED PIECES RANGING FROM A MINIMUM OF 1 1/2" HIGH BY 4" LONG TO A MAXIMUM OF 10" HIGH BY 31" LONG WITH A MAXIMUM RELIEF OF 1 1/2".

BRICK PATTERN SHALL MATCH THE NON-PRODUCTION TEST PANELS DEVELOPED FOR WALL R-40-618.

STAIN COLORS

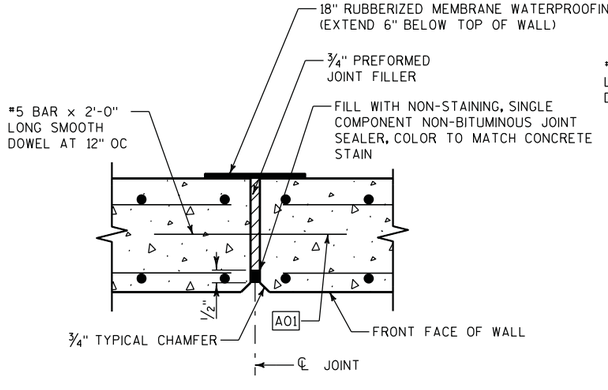
THE FINAL COLOR OF THE CONCRETE FOLLOWING APPLICATION OF THE STAIN SYSTEM SHALL MATCH THE FEDERAL STANDARD COLOR SYSTEM LISTED BELOW:

BASE COLOR - 33564
ACCENT COLOR #1 - 33448
ACCENT COLOR #3 - 33522
ACCENT COLOR #4 - 36424

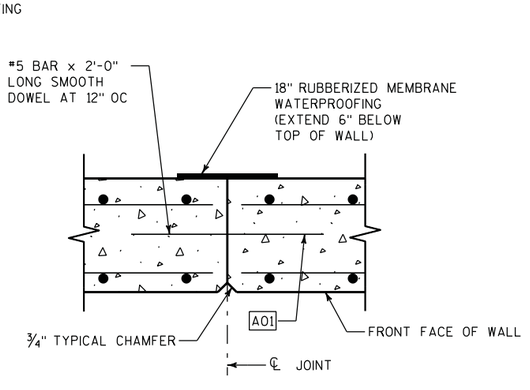
CONCRETE STAINING DETAILS SHOWN ON THIS SHEET ARE FOR INFORMATION ONLY. CONCRETE STAINING IS NOT INCLUDED IN THIS CONTRACT. CONCRETE STAINING WILL BE DONE BY OTHERS UNDER A FUTURE CONTRACT.

CONCRETE STAINING SCHEDULE

MARK	COLOR	LOCATION	NOTES
A	BASE COLOR	PARAPETS	OUTSIDE FACE, EXCEPT AS NOTED FOR ACCENT COLORS
		JOINTS	SEE SECTION B-B AND C-C
		WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
B	ACCENT COLOR #1	PARAPETS	EXTERIOR, RECESSED PANELS
D	ACCENT COLOR #3	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE
E	ACCENT COLOR #4	WALL FACING	"RANDOM SPLIT EDGE ASHLAR" PATTERN, EXPOSED FACE TO FINISHED GRADE



SECTION B-B
(EXPANSION JOINT SHOWN)



SECTION C-C
(CONTRACTION JOINT SHOWN)

A01 DOWELS SHALL BE LIGHTLY COATED WITH A DEBONDING SURFACE TREATMENT OVER ½ THE DOWEL LENGTH.

7 REVISED 4/2/15

MINOR RETAINING WALL R-1

PROJECT NO: 1060-33-80	HWY: IH 894/IH 94/USH 45	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

WKE

PROJECT ID: 1060-34-82
WITH: 1060-33-81, 1060-43-81

COUNTY: MILWAUKEE

SEPT 29, 2015

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 246



01

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

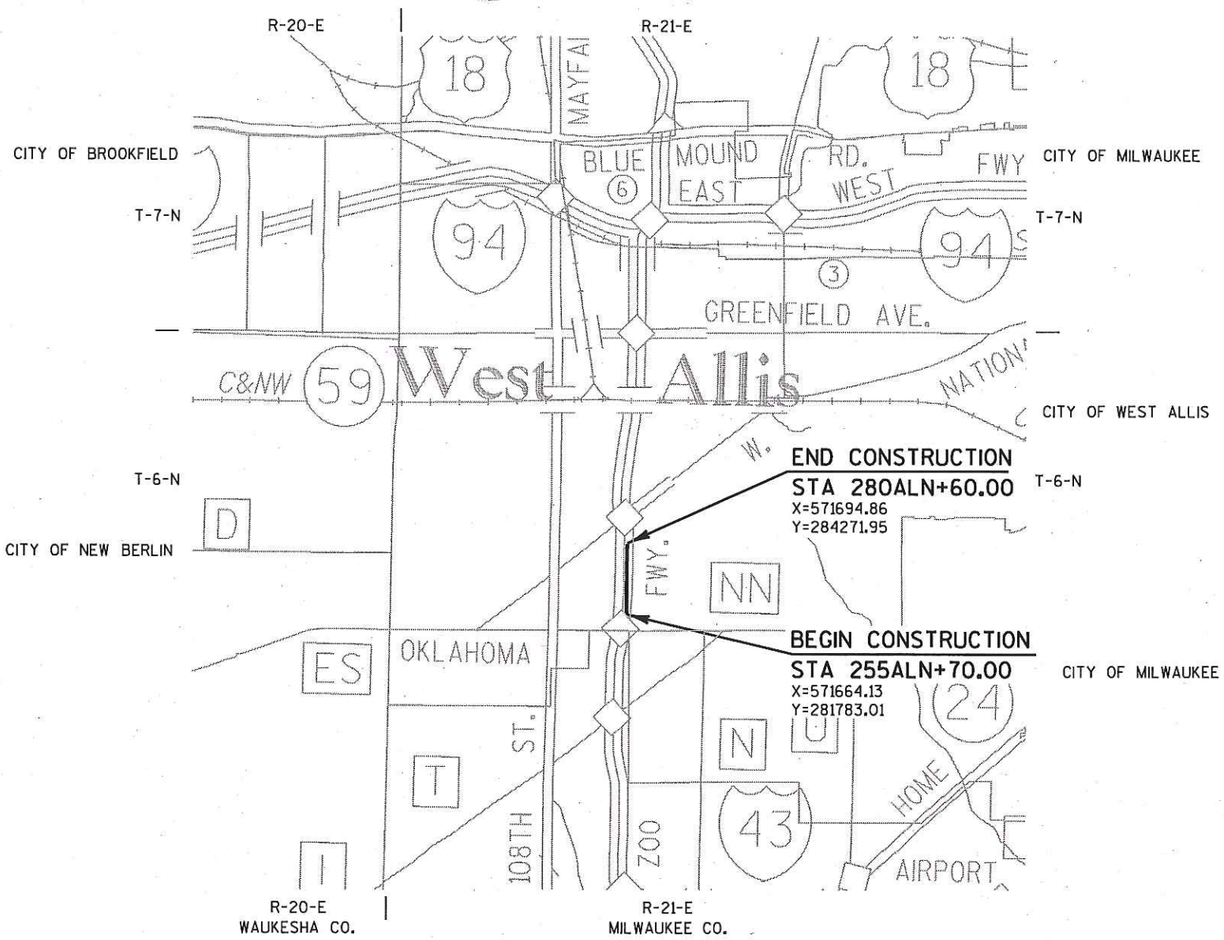
ZOO IC - IH 894 NB AUXILIARY LANE

OKLAHOMA AVE TO NATIONAL AVE

IH 894
MILWAUKEE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1060-34-82		

STATE PROJECT NUMBER
1060-34-82



N

SIGN BRIDGES

S-40-861
S-40-862

DESIGN DESIGNATION — IH 894

A.A.D.T. 2013	= 131,300
A.A.D.T. 2025	= 137,600
D.H.V. 2025	= 5,210 NB
D.D.	= 56% / 44%
T.	= 11.2%
DESIGN SPEED	= 60 MPH
ESALS	= 8,200,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- SURVEY CONTROL POINT (CP)
- COMBUSTIBLE FLUIDS (CAUTION)
- HIGH VOLTAGE (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- OVERHEAD ELECTRIC (OH)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE
- TRANSMISSION TOWER

LAYOUT
SCALE 0 0.5 MI.

TOTAL NET LENGTH OF CENTERLINE = 0 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), MILWAUKEE COUNTY ZONE, NAD 83 (2007)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007)

FORWARD 45

ORIGINAL PLANS PREPARED BY
MILWAUKEE, WISCONSIN

WISCONSIN
LAUREN A. ZIDEK
E-42400
MILWAUKEE
WI
PROFESSIONAL ENGINEER

7/21/2015 (Date) Lauren A. Zidek (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	FORWARD 45
Designer	FORWARD 45
Project Manager	CHRIS HAGER, P.E.
Regional Examiner	
Regional Supervisor	WILLIAM S. MOHR, P.E.
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 7/21/15 (Signature)

E

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TCA
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TW TELECOM
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OSP ENGINEERING DEPT.
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ACCESS ENGINEERING, LLC
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WEST ALLIS, CITY OF – SEWER & WATER
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ELECTRICAL FIELD UNIT
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WEST ALLIS, WI 53214
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WISDOT STOC
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MILWAUKEE COUNTY TRANSIT SYSTEM
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COORDINATOR OF STREET SUPERVISION
MILWAUKEE COUNTY TRANSIT SYSTEM
1942 N. 17TH STREET
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dziarek@mcts.org

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
MR. DONALD P. SIMON
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 547-6722 EXT. 249
dsimon@sewrpc.org

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

DIGGERS HOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

2

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE QUANTITY OF TOPSOIL IS COMPUTED FROM MEASUREMENTS BETWEEN THE SUBGRADE SHOULDER POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 5 FEET FOR ROUNDING.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 4 INCHES OR 0 TO 6 INCHES IN 6 FEET.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 6-INCH TYPICAL DEPTH THROUGHOUT THE PROJECT.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

EROSION CONTROL BMPS ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMPS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

FERTILIZER SHALL NOT BE USED WITHIN 100' OF NAVIGABLE WATERWAYS OR WETLANDS.

WHEN DEFINING THE PAVEMENT STRUCTURE, THE BOTTOM OF THE BASE AGGREGATE DENSE IS CONSIDERED THE SUBGRADE LINE. THE SELECT CRUSHED MATERIAL LAYER IS A SUBGRADE IMPROVEMENT.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS, CONTRACTOR IS TO NOTIFY ENGINEER.

THERE ARE NO RUMBLE STRIPS ALLOWED IN MILWAUKEE COUNTY. DIAGONAL PAVEMENT MARKING WILL BE USED ON SHOULDERS.

THE EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) WILL BE DETERMINED BY THE ENGINEER.

ALL PRIVATE EXISTING UTILITIES ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED.

DESIGN, PLANS, SPECIFICATIONS AND QUANTITIES FOR PERMANENT SIGNING PROVIDED BY WISDOT SE REGION. DESIGN, PLANS, SPECIFICATIONS AND QUANTITIES FOR ALL REMAINING ITEMS PROVIDED BY, OR UNDER THE DIRECT SUPERVISION OF, FORWARD 45.

A SOIL EXPANSION FACTOR OF 1.2 WAS USED TO GENERATE ESTIMATED EARTHWORK QUANTITIES. DUE TO POTENTIAL SOIL VARIABILITY, ACTUAL QUANTITIES MAY VARY. NO QUANTITY ADJUSTMENTS WILL BE MADE FOR DIFFERING SOIL EXPANSION FACTORS ENCOUNTERED IN THE FIELD.

THE FOLLOWING LOCATIONS WITHIN THE PROJECT LIMITS WERE RECENTLY CONSTRUCTED :

1. CLEVELAND AVENUE BRIDGE
2. DAKOTA STREET PEDESTRIAN BRIDGE
3. OKLAHOMA AVENUE IH894 NORTHBOUND ENTRANCE RAMP
4. OKLAHOMA AVENUE IH894 NORTHBOUND EXIT RAMP

FIELD VERIFY EXISTING CONDITIONS.

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS AND GRADATIONS:

PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	NOMINAL MAXIMUM SIZE GRADATION	ASPHALTIC MATERIAL
SMA	8 1/2"	2" UPPER LAYER	12.5 MM	PG-64-28P
E-10		3-1/4" UPPER-LOWER LAYER	19.0 MM	PG-58-28
E-10		3-1/4" LOWER-LOWER LAYER	19.0 MM	PG-58-28

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
FTMS PLANS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL
CONSTRUCTION STAGING
DETOURS

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICES
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
ENB	EXISTING NOISE BARRIER
FE	FIELD ENTRANCE
FL	FLOW LINE
HE	HIGH EASEMENT
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LT	LEFT
M/L	MATCHLINE
MIN	MINIMUM
NB	NORTHBOUND
NC	NORMAL CROWN
NOR	NORMAL
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PNB	PROPOSED NOISE BARRIER
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COARSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

2

N

CITY OF GREENFIELD

CITY OF WEST ALLIS

CITY OF MILWAUKEE

CITY OF WEST ALLIS

W. OKLAHOMA AVENUE

W. DAKOTA AVENUE

W. CLEVELAND AVENUE

W. LINCOLN AVENUE

W. NATIONAL AVENUE

S. 100TH STREET

S. 101ST STREET

S. 99TH STREET

IH 894/USH 45

CONSTRUCTION BY OTHERS UNDER 1060-35-93

150NS

160NS

260ALN

170NS

270ALN

180NS

280ALN

190NS

200NS

S-40-126 (EXISTING) TO REMAIN

S-40-441 (EXISTING) TO REMAIN

B-40-889 (EXISTING) TO REMAIN

B-40-884 (EXISTING) TO REMAIN

WETLAND

S-40-861

WETLAND

R/L ALN

S-40-416 (EXISTING) TO REMAIN

S-40-862

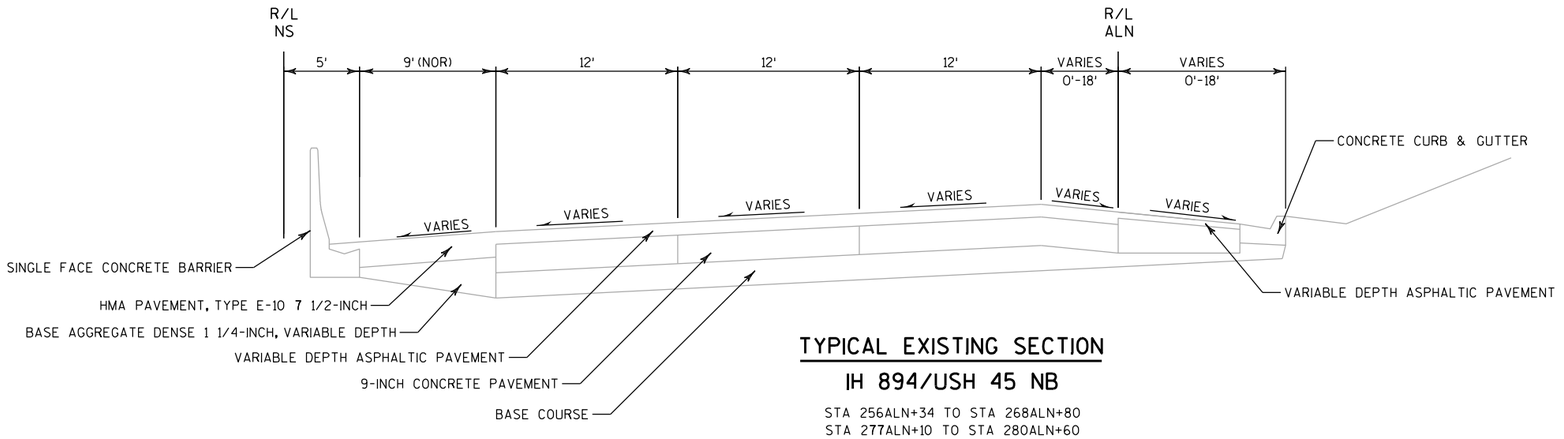
R/L NS

CONSTRUCTION BY OTHERS UNDER 1060-35-93

BEGIN CONSTRUCTION
255ALN+70.00

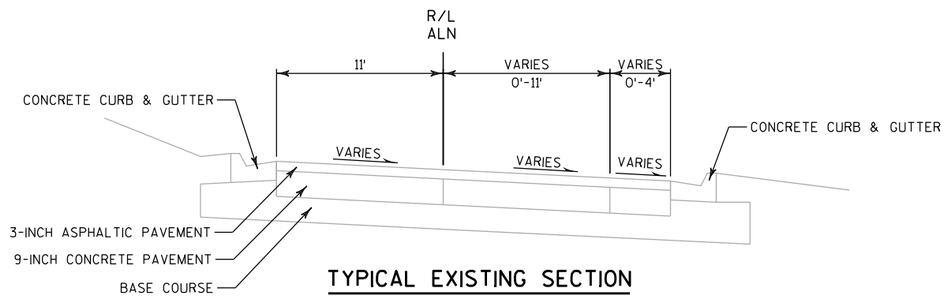
END CONSTRUCTION
280ALN+60.00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E



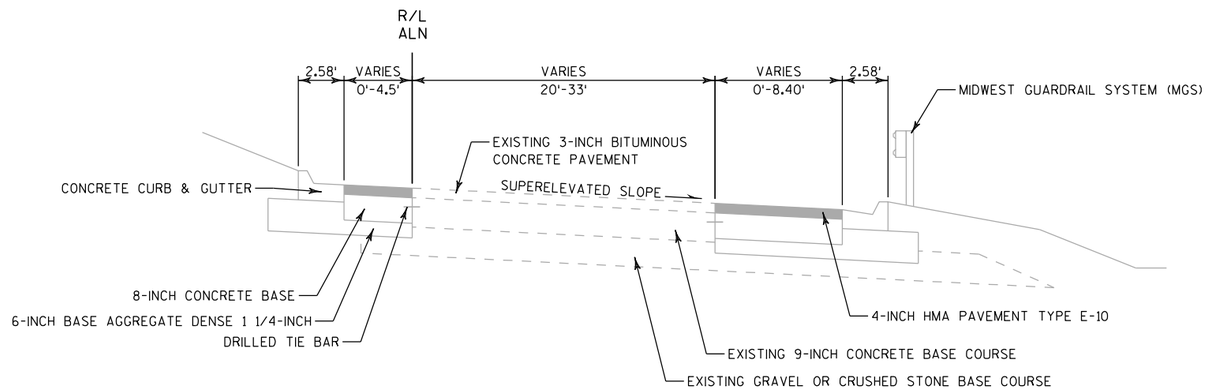
TYPICAL EXISTING SECTION
IH 894/USH 45 NB

STA 256ALN+34 TO STA 268ALN+80
STA 277ALN+10 TO STA 280ALN+60



TYPICAL EXISTING SECTION
IH 894/USH 45 NB

STA 255ALN+74 TO STA 256ALN+34

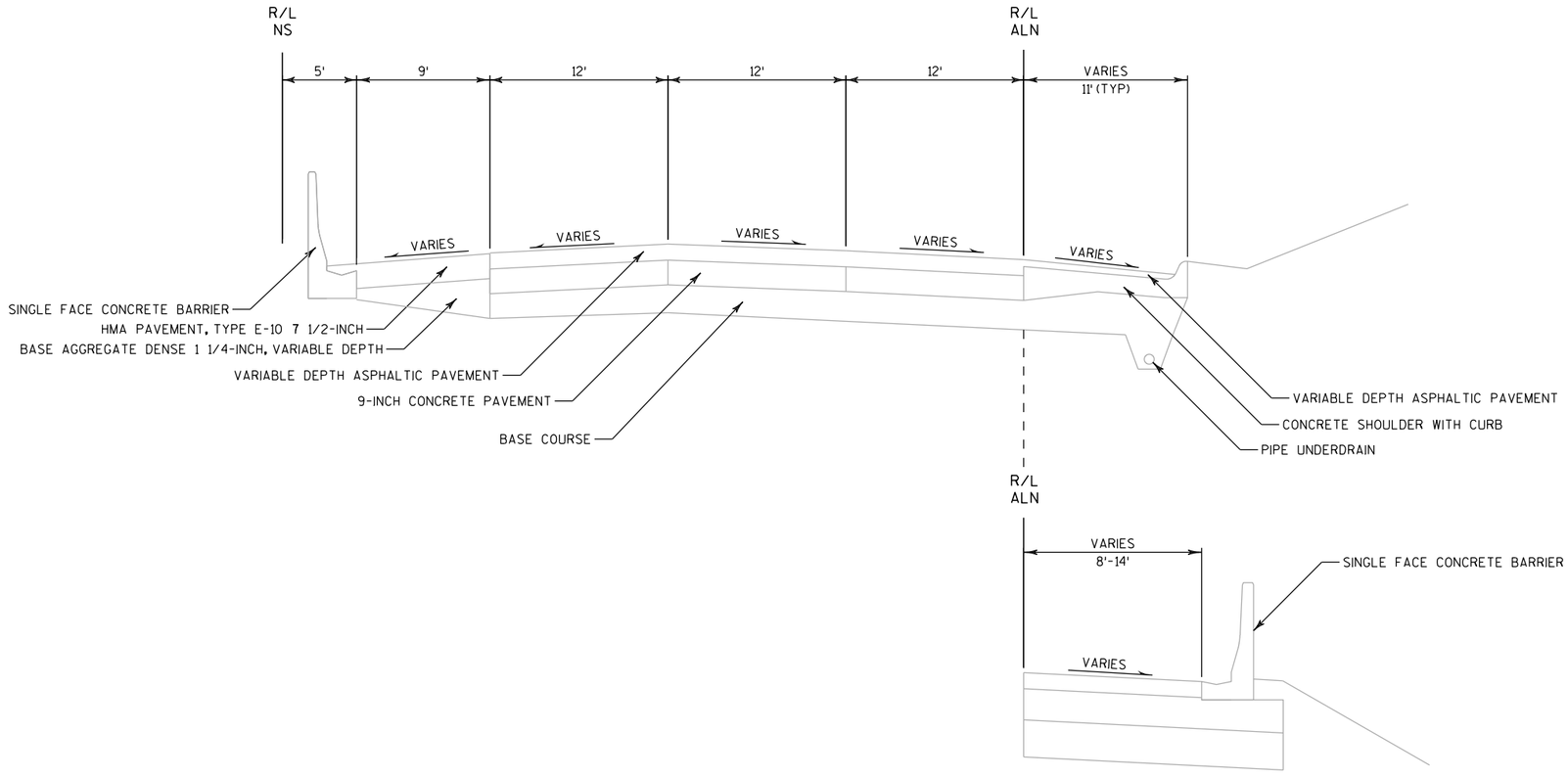


TYPICAL EXISTING SECTION
IH 894/USH 45 NB

STA 255ALN+70 TO STA 255ALN+74

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



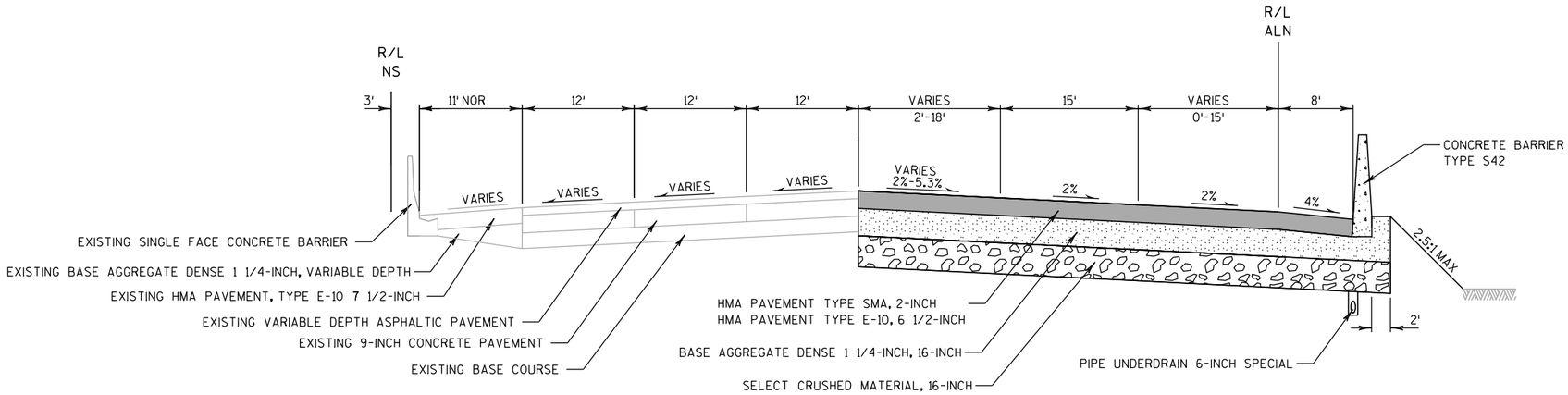
STA 274ALN+48 TO STA 276ALN+65

TYPICAL EXISTING SECTION

IH 894/USH 45 NB

STA 268ALN+80 TO STA 277ALN+10

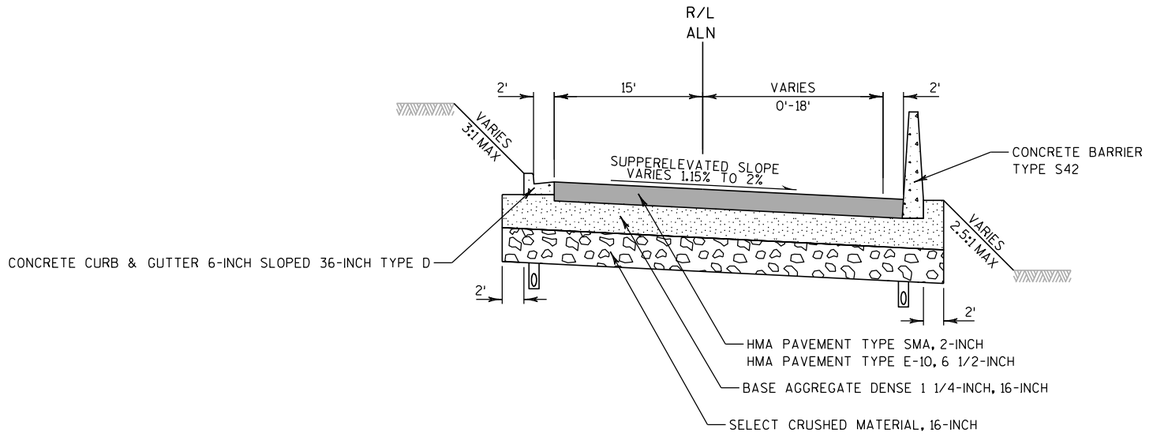
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

IH 894 WB/USH 45 NB

STA 256ALN+60.00 TO STA 260ALN+25.00



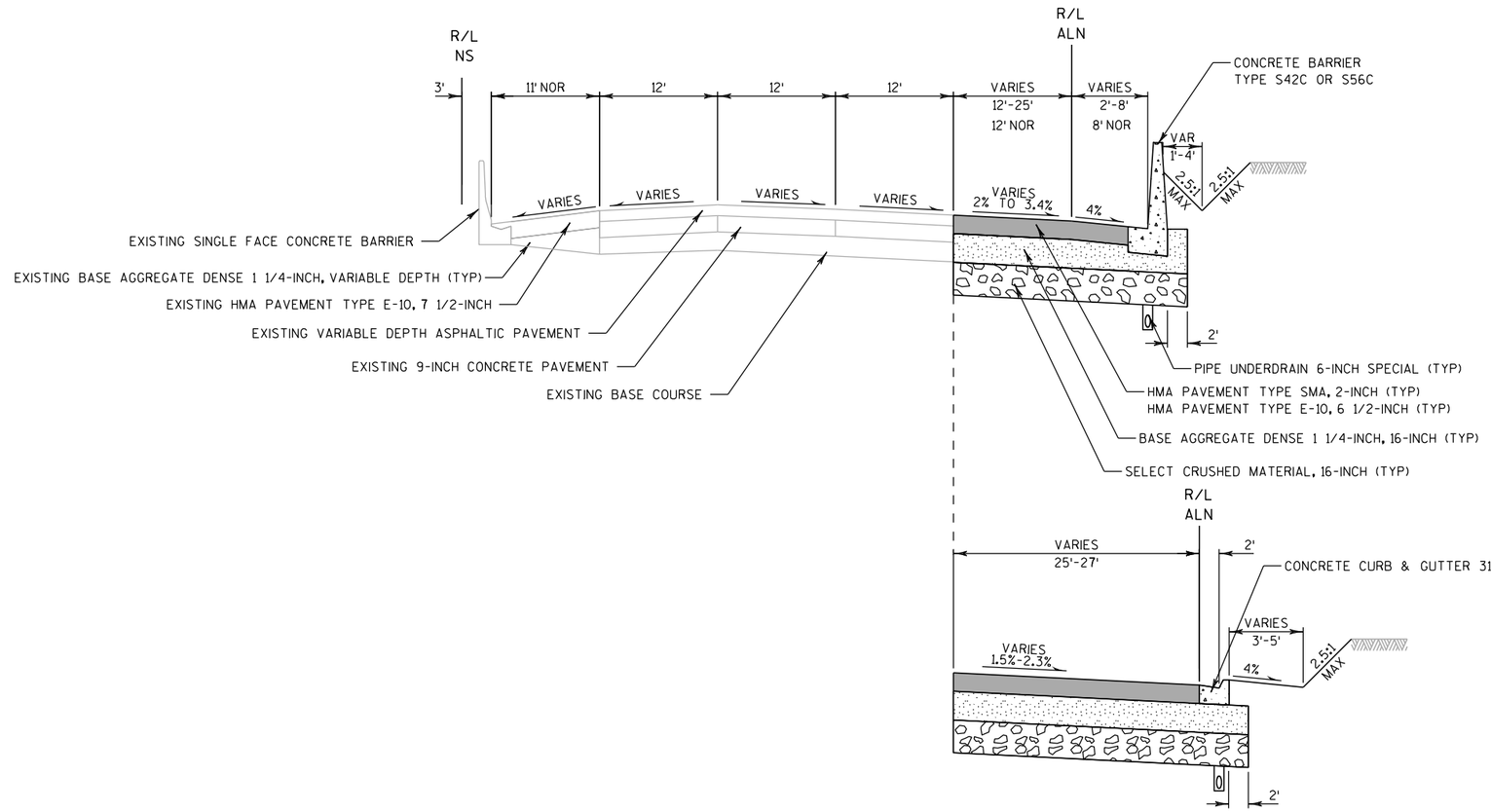
TYPICAL FINISHED SECTION

IH 894 WB/USH 45 NB

STA 255ALN+70.00 TO STA 256ALN+60.00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



STA 280ALN+25.00 TO STA 280ALN+60.00

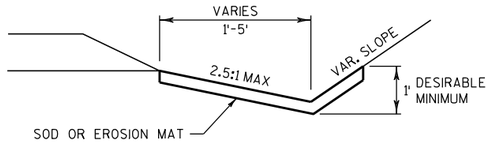
TYPICAL FINISHED SECTION

IH 894 WB/USH 45 NB

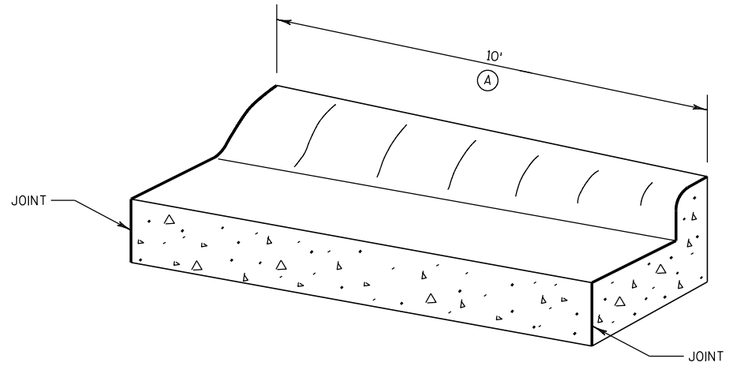
STA 260ALN+25.00 TO STA 280ALN+60.00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET	E

2



SOD OR EROSION MAT DETAIL FOR DITCHES



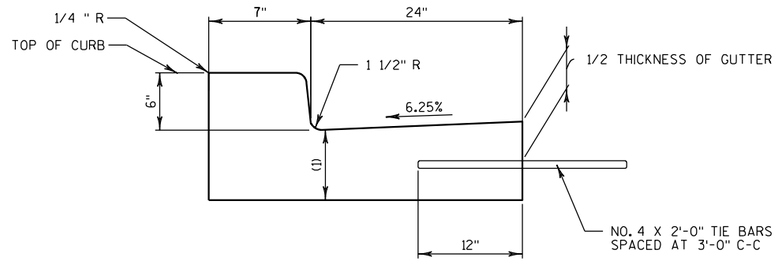
NOTE

(A) 36" CURB & GUTTER TO 31" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" TYPE A CURB & GUTTER)

CURB & GUTTER TRANSITION

SEE PLAN DETAILS FOR LOCATIONS

2



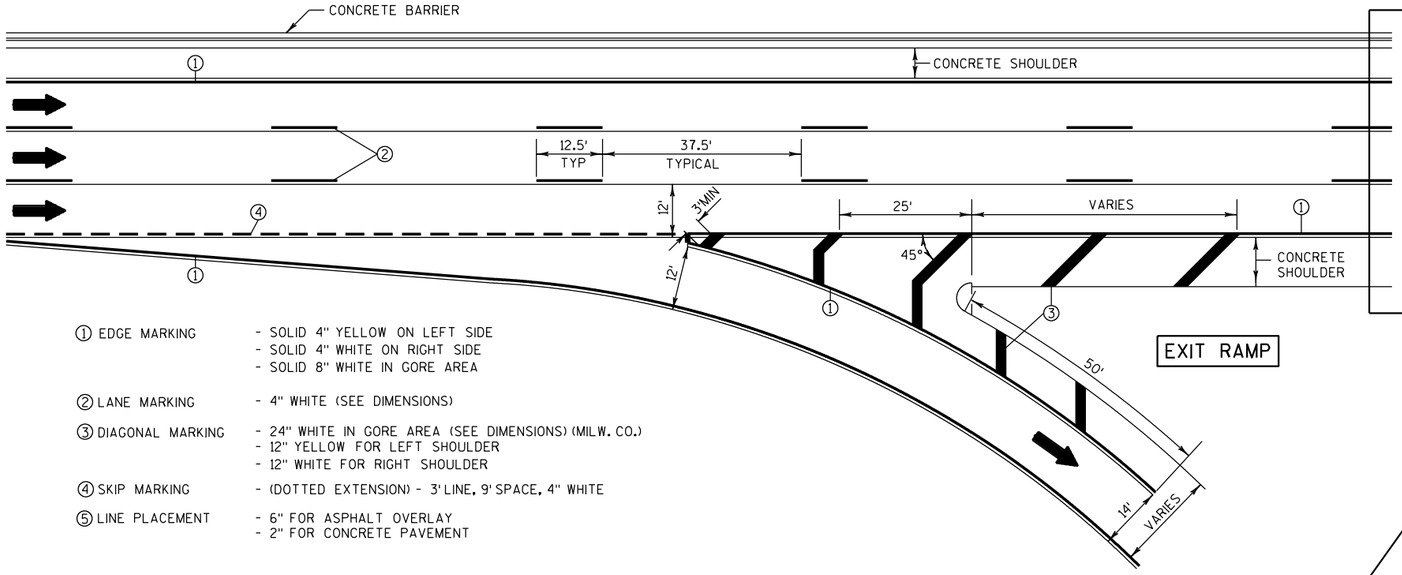
NOTES

1. TIE BARS ARE REQUIRED FOR CURB AND GUTTER ADJACENT TO NEW CONCRETE PAVEMENT.
2. OMIT TIE BARS WHERE INTEGRAL CURB AND GUTTER IS REQUIRED.
3. SEE STANDARD DETAIL DRAWING FOR DETAILS NOT SHOWN HERE.

(1) 7" MIN

CONCRETE CURB AND GUTTER AND 31-INCH

2



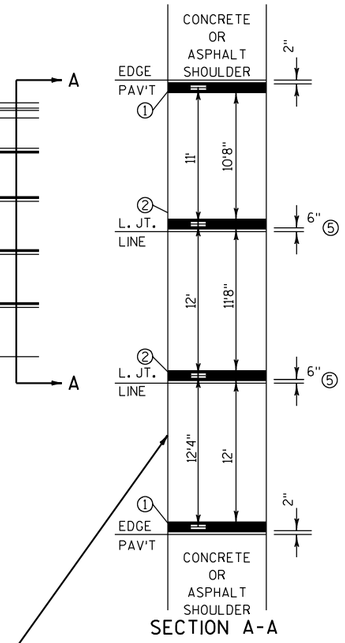
① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- SOLID 8" WHITE IN GORE AREA

② LANE MARKING - 4" WHITE (SEE DIMENSIONS)

③ DIAGONAL MARKING - 24" WHITE IN GORE AREA (SEE DIMENSIONS) (MILW. CO.)
- 12" YELLOW FOR LEFT SHOULDER
- 12" WHITE FOR RIGHT SHOULDER

④ SKIP MARKING - (DOTTED EXTENSION) - 3' LINE, 9' SPACE, 4" WHITE

⑤ LINE PLACEMENT - 6" FOR ASPHALT OVERLAY
- 2" FOR CONCRETE PAVEMENT



SECTION A-A

LINE PLACEMENT DETAILS

NOTES

1. THE 12" WIDE DIAGONAL SHOULDER MARKING SHALL BE USED ONLY WHERE THE ASPHALTIC CONCRETE SHOULDER ABUTS ASPHALTIC CONCRETE PAVEMENT. IF THERE ARE CONTINUOUS RUMBLE STRIPS, DO NOT USE DIAGONAL SHOULDER MARKING.

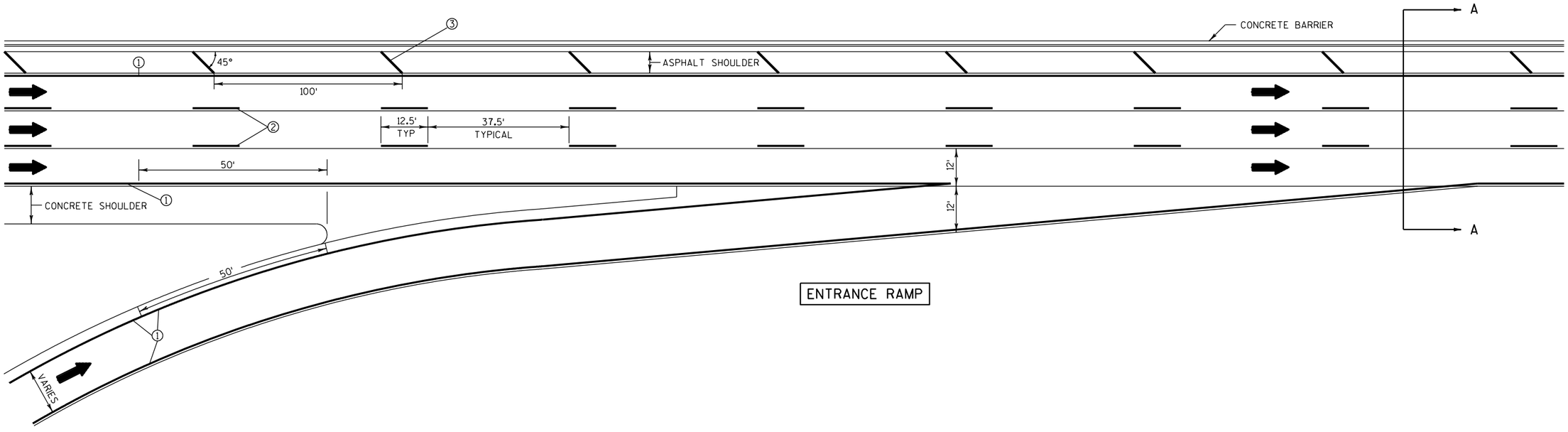
2. WHERE THE DOTTED EXTENSION OF THE RIGHT EDGE LINE IS SHOWN ON THE PLAN, IT SHALL BE 4" WIDE, WITH A LINE SKIP PATTERN CONSISTING OF A 3' LONG LINE AND A 9' SKIP.

3. PAVEMENT LANE MARKINGS SHALL BE LOCATED 6" OFF THE LONGITUDINAL JOINT OF THE UNDERLYING CONCRETE PAVEMENT.

4. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

5. SPOTTING FOR PAVEMENT LANE MARKINGS AND EDGE LINES SHALL BE 4"x4" PIECES OF REFLECTORIZED PAVEMENT MARKING TAPE SPACED AT 50' INTERVALS, INCIDENTAL TO PAVEMENT MARKING.

6. SEE STANDARD DETAIL DRAWING FOR RAISED PAVEMENT MARKERS IN GORE AND LINE WIDTH TOLERANCES.

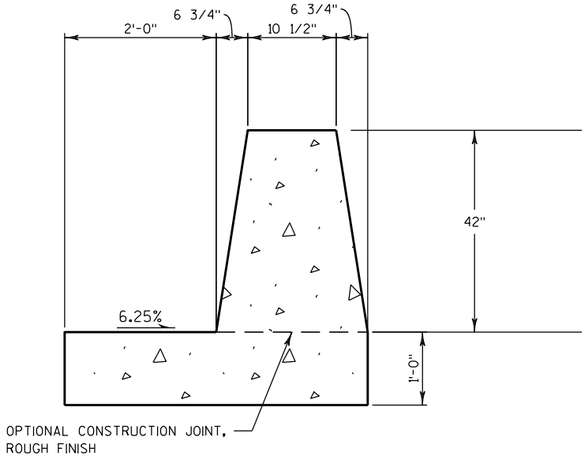


ENTRANCE RAMP

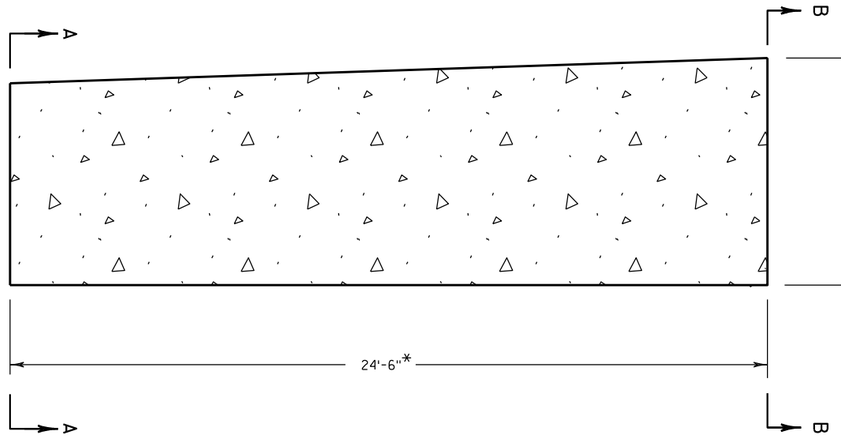
3-LANES WITH 1-LANE ENTRANCE AND EXIT RAMP

GORES, FREEWAYS, & EXPRESSWAYS

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

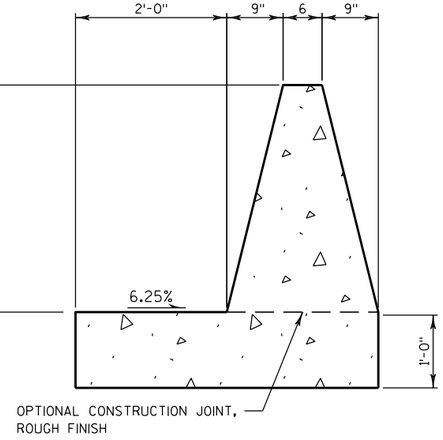


SECTION A-A



DOUBLE COLD JOINT HEIGHT TRANSITION

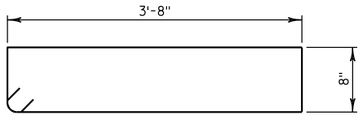
* LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF TRANSITION.



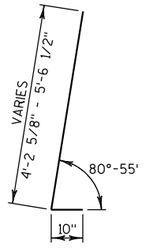
SECTION B-B

NOTES

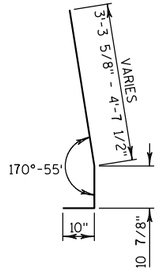
1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.
2. WHEN SWITCHING BETWEEN SLIP FORM AND STANDARD FORM OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED, LAPS TO BE FIRMLY TIED.
3. EMBED BAR STEEL REINFORCEMENT AT LEAST 2 INCHES UNLESS OTHERWISE SHOWN ON PLANS.
4. SEE SDD SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL FOR DETAILS NOT SHOWN HERE.



V3 STIRRUP BAR BENDING DETAIL

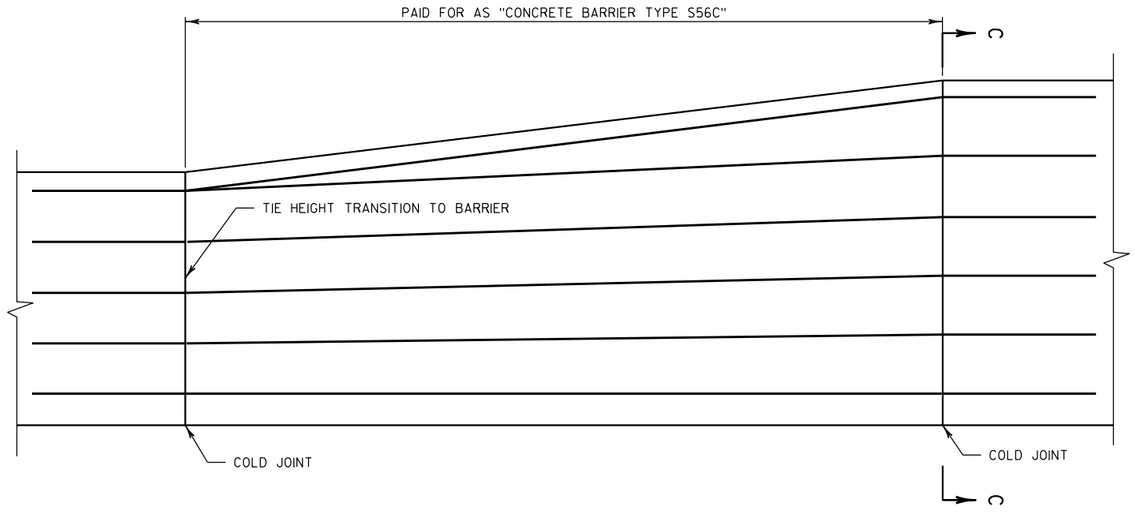


V6 BAR BENDING DETAIL

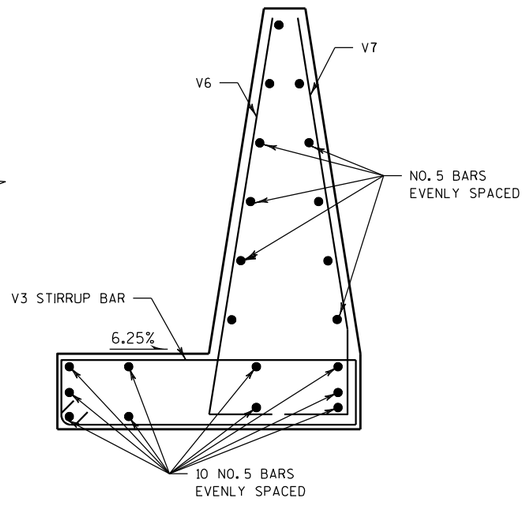


V7 BAR BENDING DETAIL

V3, V6, V7 BARS ARE NO. 5 BARS SPACED AT 18" C-C



STEEL REINFORCEMENT DETAIL



SECTION C-C

SINGLE SLOPE ROADSIDE RETAINING WALL DOUBLE COLD JOINT HEIGHT TRANSITION

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021001_cd.dgn PLOT DATE : 27-MAY-2015 08:22 PLOT BY : MSCD1S PLOT NAME : 021001_cd4 PLOT SCALE : 2:1
WISDOT/CADDS SHEET 42

GENERAL NOTES

1) ALL ITEMS ASSOCIATED WITH STORM SEWER REMOVALS ARE SHOWN IN STORM SEWER STAGING PLANS.

2) CLEARING AND GRUBBING SHALL BE PAID BY THE STATION.

3) THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN INCLUDING BUILDING SERVICES AND LATERALS.

LEGEND

CLEARING AND GRUBBING (STATION)

REMOVING PAVEMENT

X X X SAWING CONCRETE PAVEMENT

REMOVING CONCRETE BARRIER

REMOVING GUARDRAIL

– – – SLOPE INTERCEPT

2

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

2

2

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

144NS

146NS

148NS

150NS

152NS

154NS

156NS

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

252ALN

254ALN

256ALN

MATCHLINE 158NS+00

N

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021101_rm.dgn PLOT DATE : 20-JUL-2015 17:40 PLOT BY : MSCD1S PLOT NAME : 021101_rm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

PEDESTRIAN OVERHEAD

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

2

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

N

MATCHLINE 173NS+00

174NS 176NS 178NS 180NS 182NS 184NS 186NS 188NS

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

274ALN 276ALN 278ALN 280ALN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021103_rm.dgn PLOT DATE : 20-JUL-2015 17:40 PLOT BY : MSCD1S PLOT NAME : 021103_rm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEGEND

(AP23) HMA PAVEMENT TYPE E-10, 7 1/2-INCH
(AP37) HMA PAVEMENT TYPE SMA, 2-INCH

(CG16) CONCRETE CURB AND GUTTER 31-INCH
(CG26) CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D

(CB02) CONCRETE BARRIER TYPE S42
(CB06) CONCRETE BARRIER TYPE S42C
(CB07) CONCRETE BARRIER TYPE S56C
(CB40) CONCRETE BARRIER TRANSITION TYPE S36 TO S42
(CB48) END ANCHOR SINGLE SLOPE CONCRETE BARRIER (INCIDENTAL TO CONCRETE BARRIER)
(CB61) CONCRETE BARRIER SINGLE SLOPE THRIE BEAM ANCHOR (INCIDENTAL TO SINGLE SLOPE CONCRETE BARRIER)

(BG16) MGS THRIE BEAM TRANSITION

(SW01) SAWING ASPHALT
(SW02) SAWING CONCRETE

NOTE

SEE CONSTRUCTION DETAIL "SINGLE SLOPE ROADSIDE RETAINING WALL DOUBLE COLD JOINT HEIGHT TRANSITION"

2

2

N

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

153NS 154NS 155NS 156NS 157NS 158NS 159NS

MATCHLINE 159NS+15

256ALN+60.00
29.22'LT

255ALN+70.00
15.00'LT

256ALN+60.00
15.00'LT

255ALN+70.00
21.25'RT

ALN+26.60
22.83'RT

SW02 CG26 AP37 CB40 CB61 BG16 CB02

783.60 783.18 782.46 781.72 780.91 780.09 779.28 778.46 777.87 777.35 776.84
5.3% 3.9% 3.1% 2.6% 2.4% 1.5% 0.4% 0.2% 1.4% 1.8%

782.71 782.77 782.97 783.01 782.81 782.47 782.00 781.40 780.67 779.89 779.16 778.48 777.86 777.28 776.76
0.4% 1.3% 2%

782.63 782.63 782.57 782.41 782.22 781.91 781.46 780.87 780.15 779.39 778.68 778.02 777.41 776.85 776.34
782.37 4% 8%

782.36 782.23 782.01 781.82 781.51 781.06 780.47 779.75 778.99 778.28 777.62 777.01 776.45 775.94

254ALN 255ALN 256ALN 257ALN 258ALN 259ALN

MATCH EXISTING MGS GUARDRAIL

WETLAND BOUNDARY

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021202_pd.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 021202_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 159NS+15

MATCHLINE 165NS+15

160NS 161NS 162NS 163NS 164NS 165NS

AP37 776.33 1.1% 776.28

775.91 1.5% 775.85

775.52 1.8% 775.45

775.12 2.1% 775.05

774.73 1.8% 774.67

774.34 1.7% 774.29

260ALN+69.26
18.00' LT

ALN+69.20
15.00' LT

2%

773.96 773.57 773.19 772.81 772.43 772.05 771.69 771.32 770.96 770.59 770.19

260ALN 261ALN 262ALN 263ALN 264ALN 265ALN

AP37 775.88 775.47 8" 775.09 AP37 774.71 774.34 773.97 773.60 772.85 772.48 772.11 771.74 771.39 771.03 770.68 770.32 769.93

775.48 775.07 774.69 774.31 773.94 773.73 773.36 772.98 772.61 772.24 771.87 771.50 771.15 770.79 770.44 770.08 769.69

CB02 CB02 CB06

260ALN+25.00

260ALN+72.00
0.00' LT

S-40-861

SW02

CB06

263ALN+68.96
0.00' LT

769.78 769.37 768.98 768.58 768.18 767.78 767.38

769.53 769.13 768.74 768.34 767.94 767.54 767.14

769.29 768.89 768.50 768.10 767.70 767.30 766.90

12"

6"

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021203_pd.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 021203_pd PLOT SCALE : 40:1

2

2

N

S. 101ST STREET

IH 894 EB/USH 45 SB

MATCHLINE 165NS+15

MATCHLINE 171NS+15

166NS

167NS

168NS

169NS

170NS

171NS

IH 894 WB/USH 45 NB

SW02

AP37

AP37

CB06

CB06

CB07

CB07

267ALN+00.00

12"

9"

INL

WETLAND BOUNDARY

766.52	766.15	765.78	765.40	765.02	764.63	764.25	763.87	763.52	763.17	762.82	762.47	762.11	761.74	761.37	761.00	760.60	760.19	759.78	759.37	758.98	758.59	758.20	757.80
766.76	766.39	766.02	765.64	765.26	764.87	764.49	764.11	763.76	763.41	763.06	762.71	762.35	761.98	761.61	761.22	760.84	760.43	760.02	759.61	759.22	758.83	758.44	758.04
767.00	766.63	766.26	765.88	765.50	765.11	764.73	764.35	764.00	763.65	763.30	762.95	762.59	762.22	761.85	761.48	761.08	760.67	760.26	759.85	759.46	759.07	758.68	758.28
			266ALN				267ALN				268ALN				269ALN				270ALN				271ALN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021204_pd.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 021204_pd PLOT SCALE : 40:1

2

N

W. CLEVELAND AVENUE

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 171NS+15

MATCHLINE 177NS+15

172NS 173NS 174NS 175NS 176NS 177NS

272ALN 273ALN 274ALN 275ALN 276ALN 277ALN

757.91 757.53 757.15 756.78 756.40 756.01 755.63 755.25 754.90 754.55 754.20 753.85 753.50 753.15 752.87 752.60 752.42 752.25

757.67 757.29 756.91 756.54 756.16 755.77 755.39 755.01 754.66 754.31 753.96 753.61 753.26 752.91 752.63 752.36 752.18 752.01

757.43 757.05 756.67 756.30 755.92 755.53 755.15 754.77 754.42 754.07 753.72 753.37 753.02 752.67 752.39 752.12 751.94 751.77

752.15 752.20 752.25 752.44 752.63

752.20 752.25 752.44 752.63

751.96 751.91 752.01 752.20 752.39

751.72 751.77 751.96 752.15

751.67

SW02

AP37

AP37

CB07

S-40-862

S-40-416
(TO REMAIN)

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021205_pd.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 021205_pd PLOT SCALE : 40:1

2

2

N

IH 894 EB/USH 45 SB

MATCHLINE 477ALS+00

178NS

179NS

180NS

181NS

182NS

183NS

IH 894 WB/USH 45 NB

279ALN+46.75
17.99'LT

279ALN+46.94
15.00'LT

280ALN+60.00
15.00'LT

280ALN+58.64
27.86'LT

280ALN+60.00
0.00'LT

280ALN+25.00
0.00'LT

SW02

AP37

CB07

CB48

CG16

752.96 753.30 753.79 754.30 754.87 755.46 756.20 756.94 757.84 758.79 759.72 760.58 761.43 762.28 762.57

752.72 753.06 753.47 753.88 754.44 755.00 755.71 756.42 757.27 758.64 759.57 760.46 761.26 762.07 762.39

752.48 752.82 753.23 753.64 754.20 754.76 755.48 756.21 757.09 757.98 758.13 759.06 758.95 759.99 759.93 760.92 761.85 762.22

2.0% 2.6% 3.4% 278ALN 3.4% 279ALN 4.7% 3.1% 1.7% 1.8% 3.4% 3.1% 280ALN 2.3% 2.0% 1.5%

12

6

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021206_pd.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 021206_pd PLOT SCALE : 40:1

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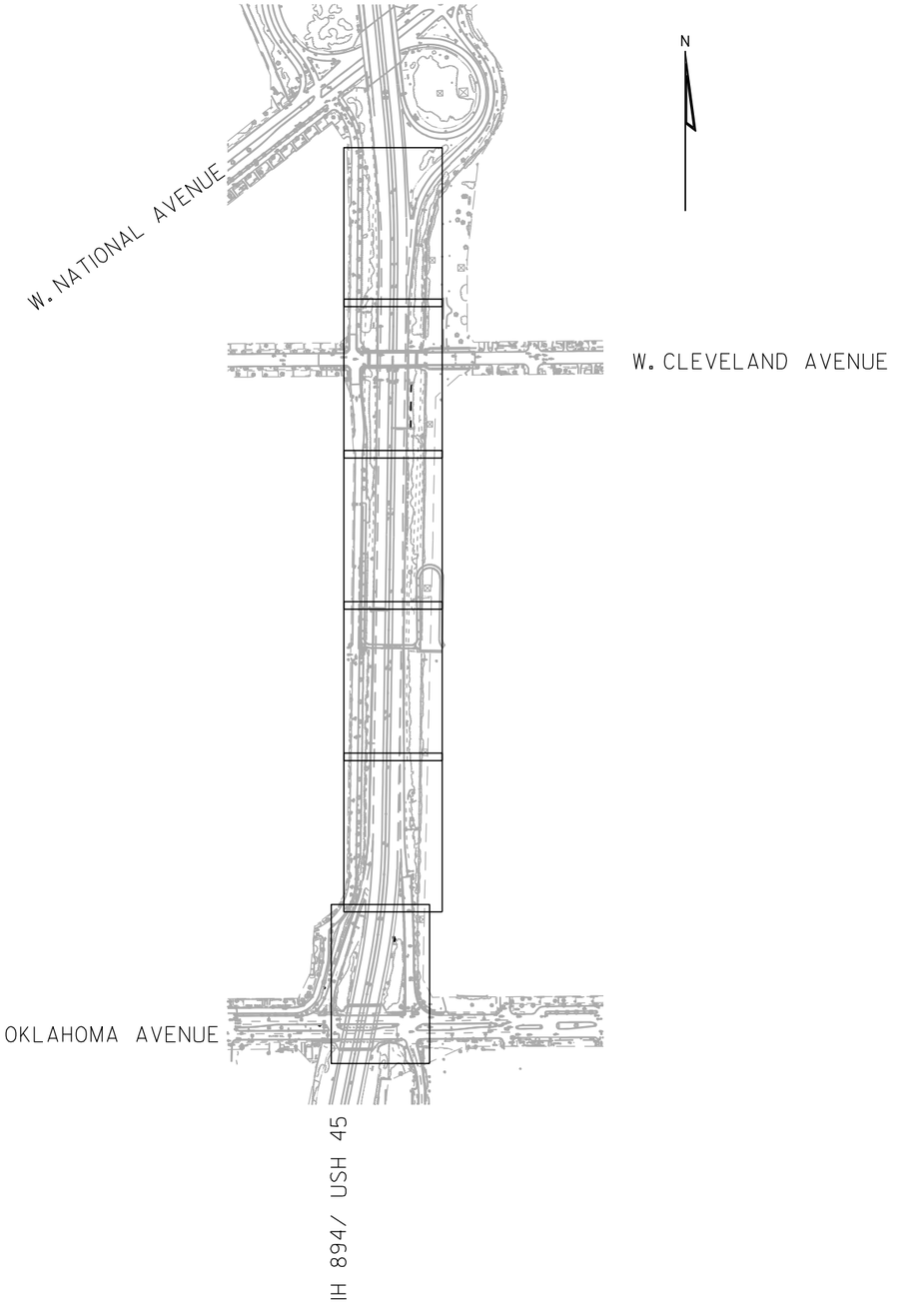
LEGEND

FTMS CONVENTIONAL SYMBOLS

	EXISTING
CCTV CAMERA AND POLE	
FTMS FIELD CABINET AND BASE	
POLE MOUNTED CABINET	
METER BREAKER PEDESTAL	
STEEL PULL BOX	
STEEL PULL BOX	
MANHOLE	MH
ADVANCE FLASHER ASSEMBLY	FY
FTMS (ITS) CONDUIT	
BREAKER DISCONNECT BOX	
COMMUNICATIONS VAULT, TYPE 1	
WIRELESS TRAFFIC SENSOR	
WIRELESS TRAFFIC SENSOR REPEATER	
WIRELESS TRAFFIC SENSOR ACCESS POINT	
MICROWAVE DETECTOR ON TYPE 5 POLE	
RAMP METER SIDEMOUNT SIGNAL	

FTMS STANDARD ABBREVIATIONS

CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
FY	ADVANCE FLASHER (ASSEMBLY)
PB	PULL BOX
MH	MANHOLE
RM	RAMP METER
SB	SIGN BASE
EX	EXISTING



FTMS GENERAL NOTES

1. THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.
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4. NO TREES (AND/OR SHRUBS) SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
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9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

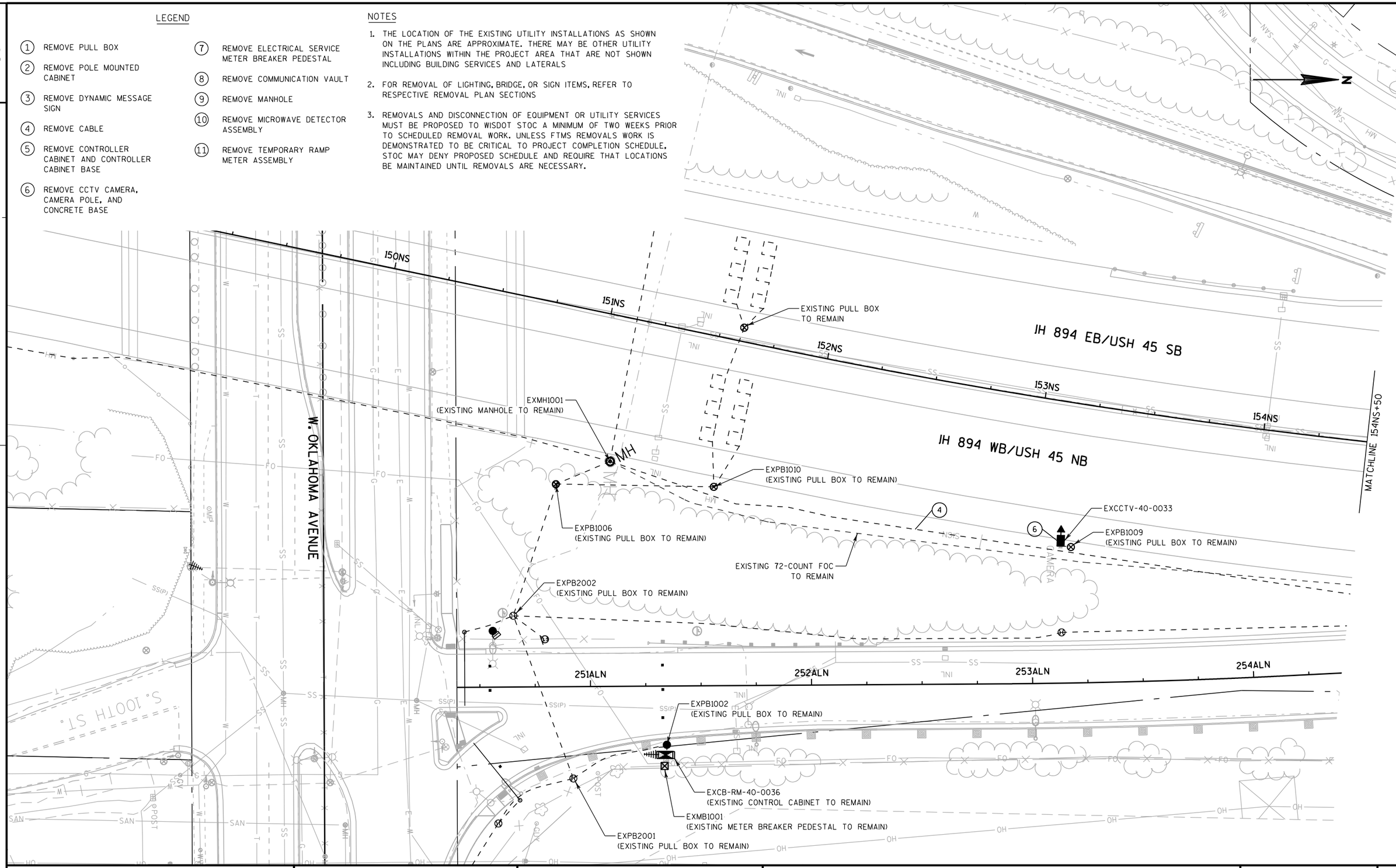
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS REMOVAL PLANS - OVERVIEW	SHEET	E

LEGEND

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PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS REMOVALS	SHEET	E

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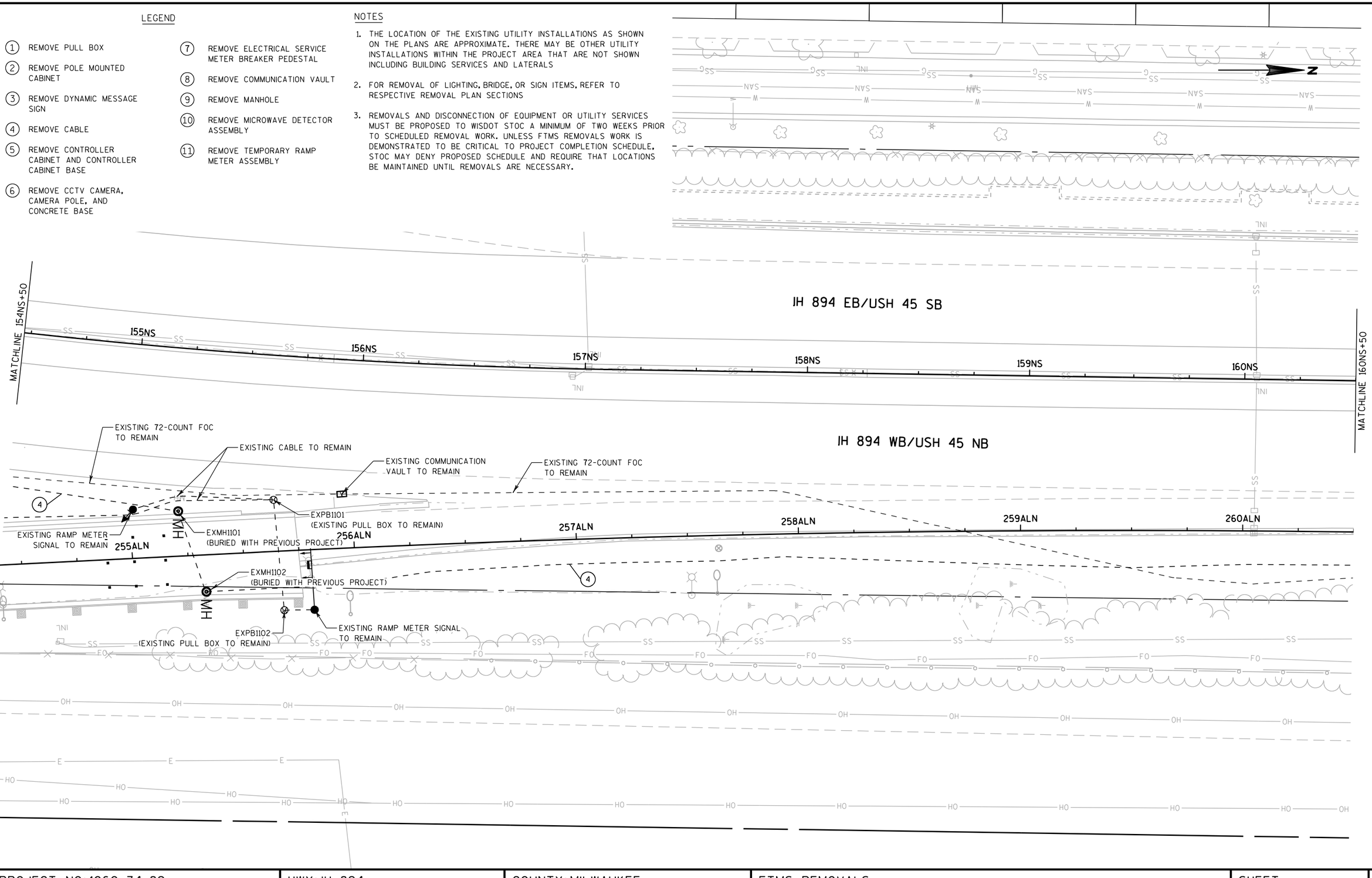
WISDOT/CADDS SHEET 42

LEGEND

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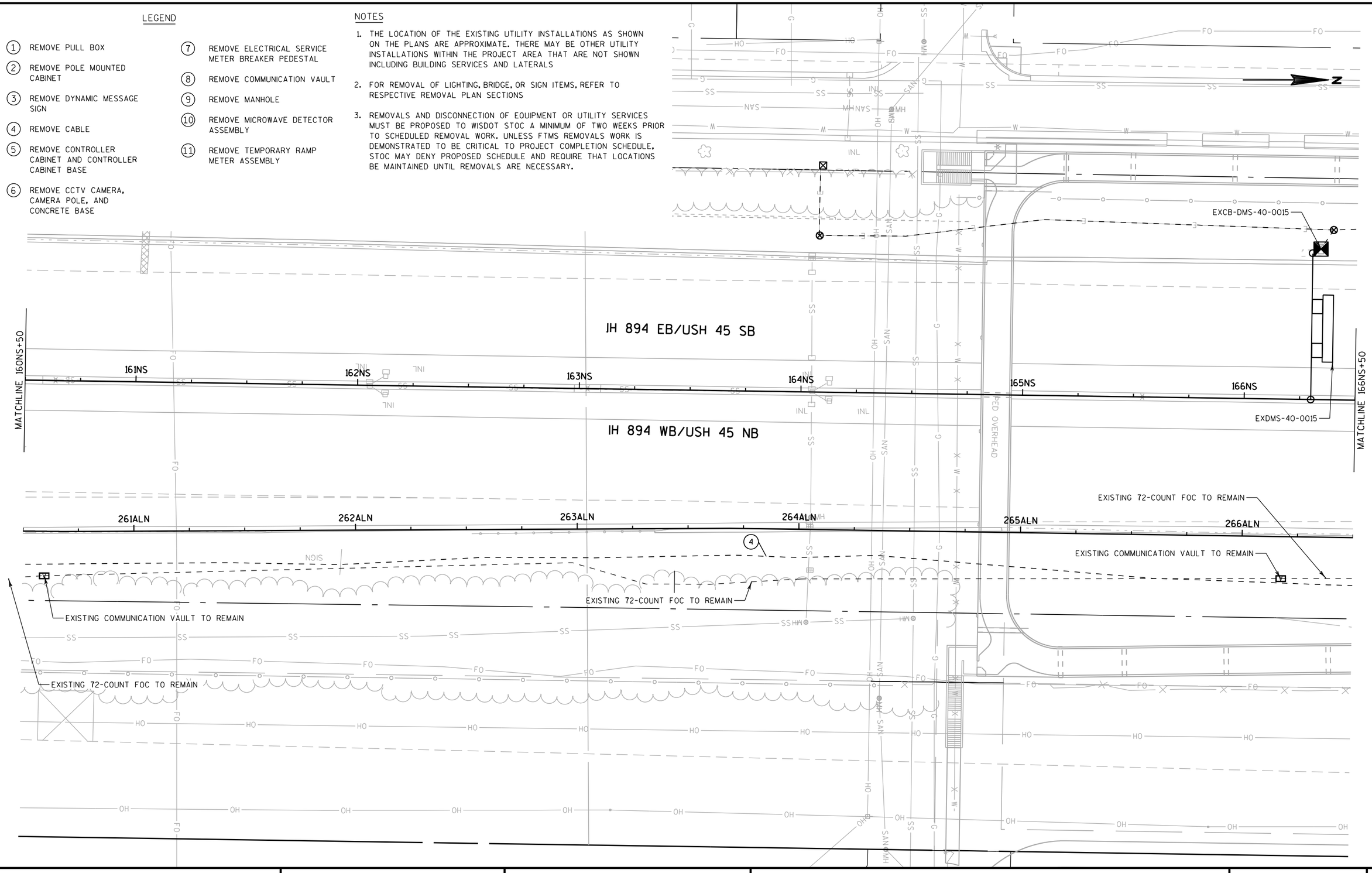
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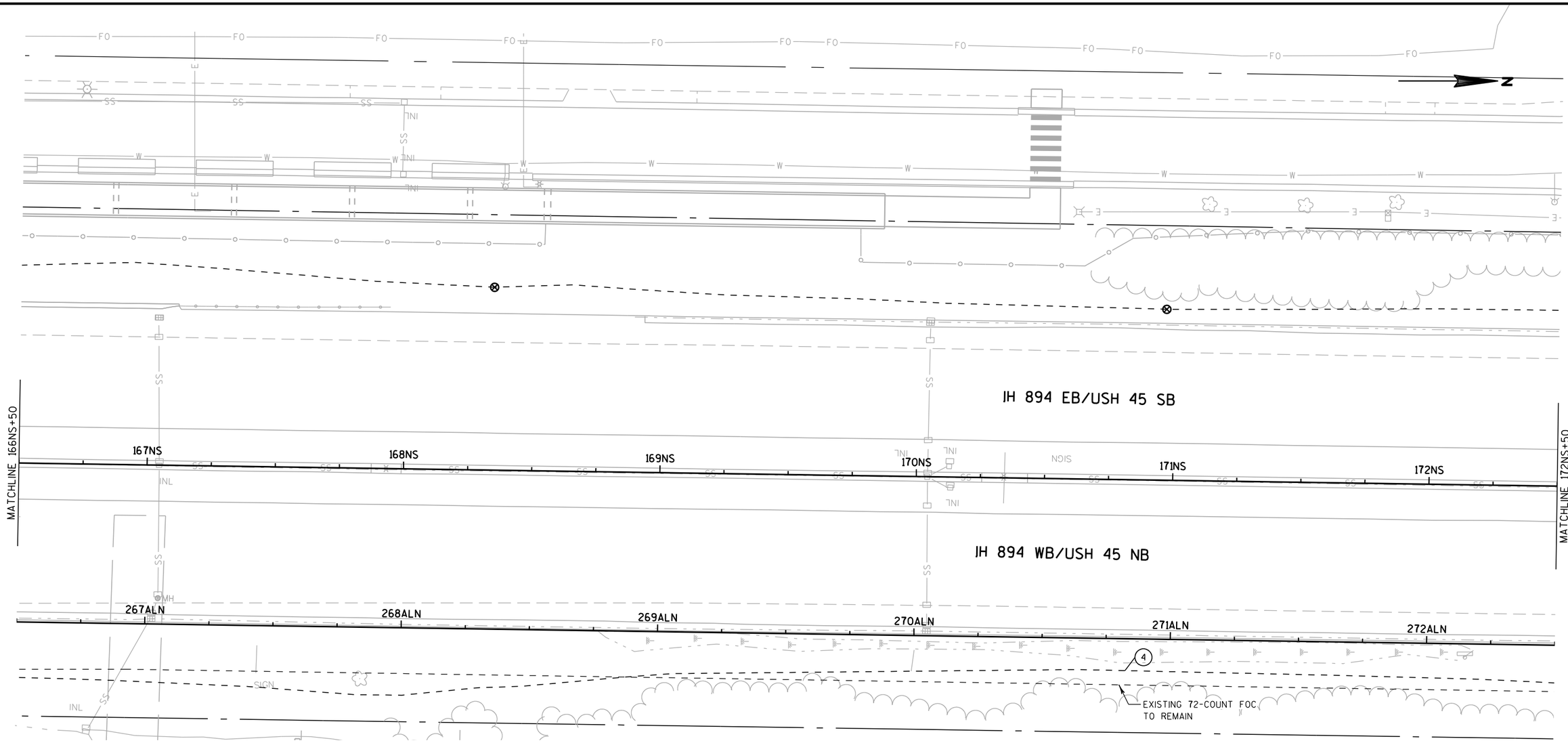


PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS REMOVALS	SHEET	E

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WISDOT/CADDS SHEET 42

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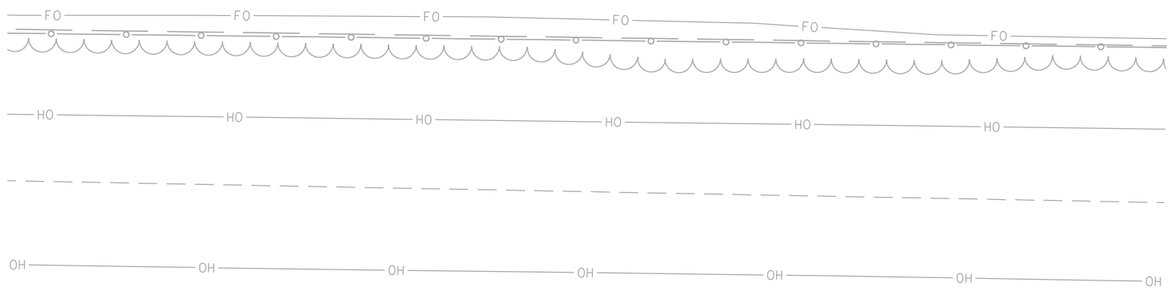


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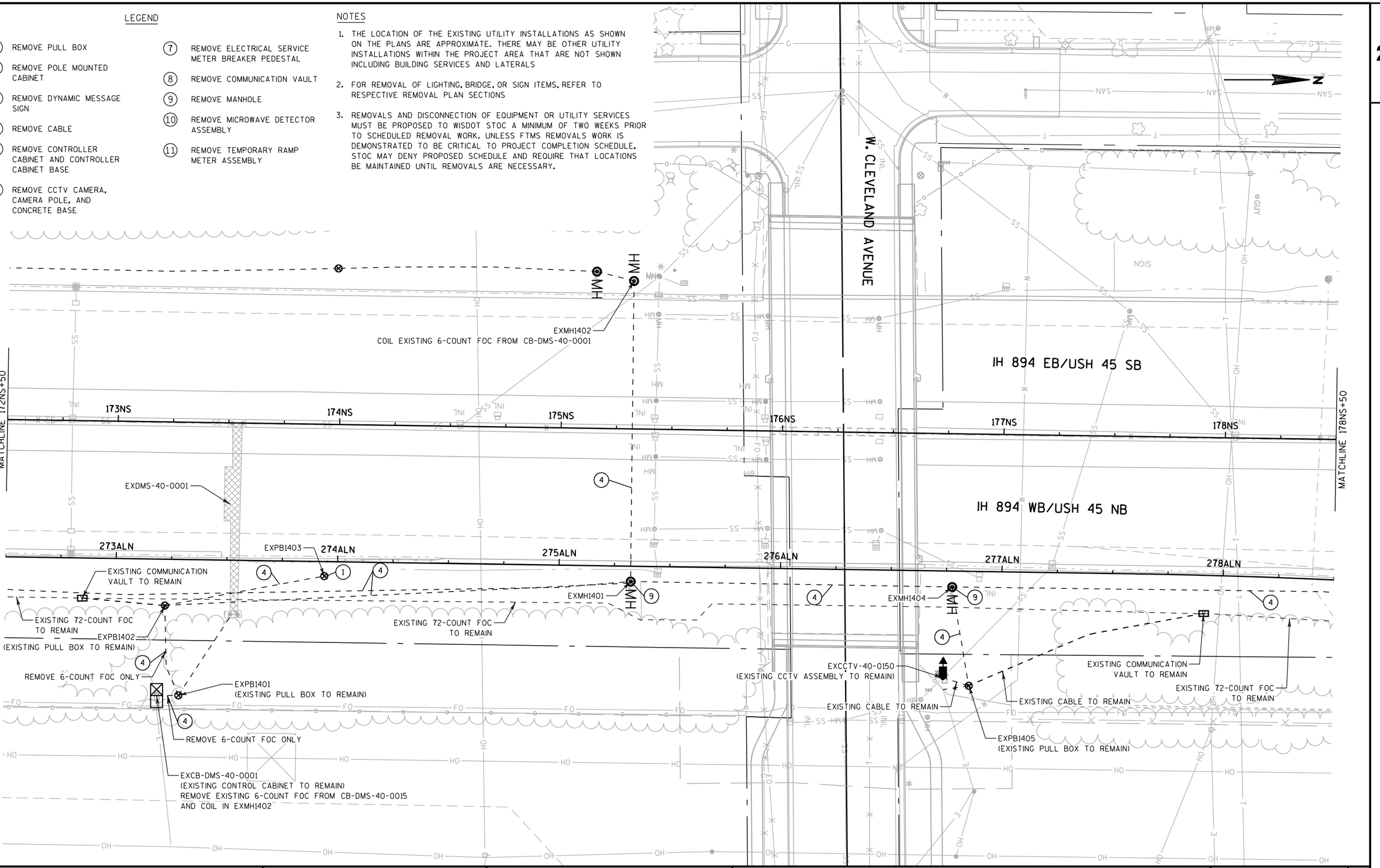
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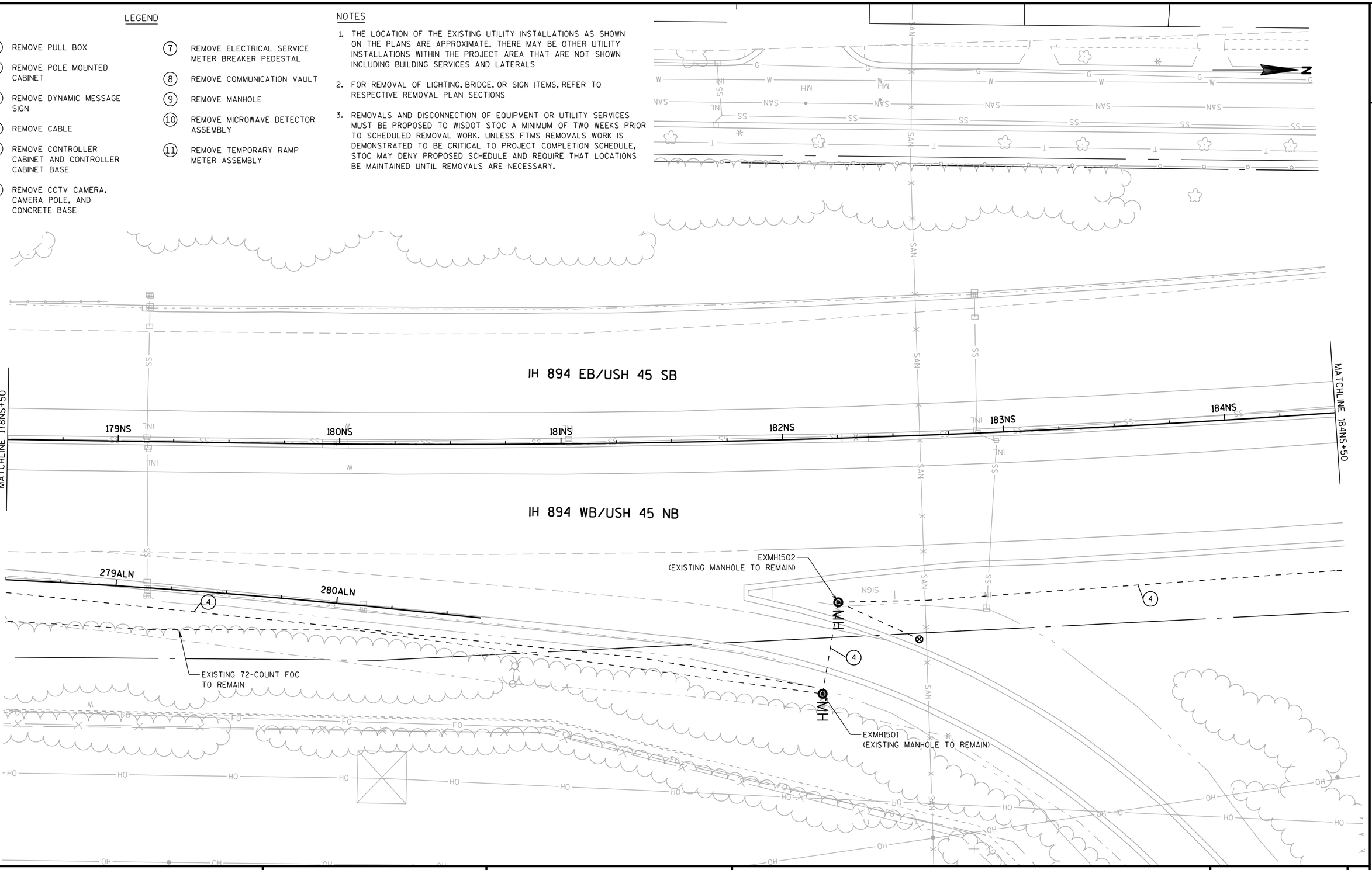
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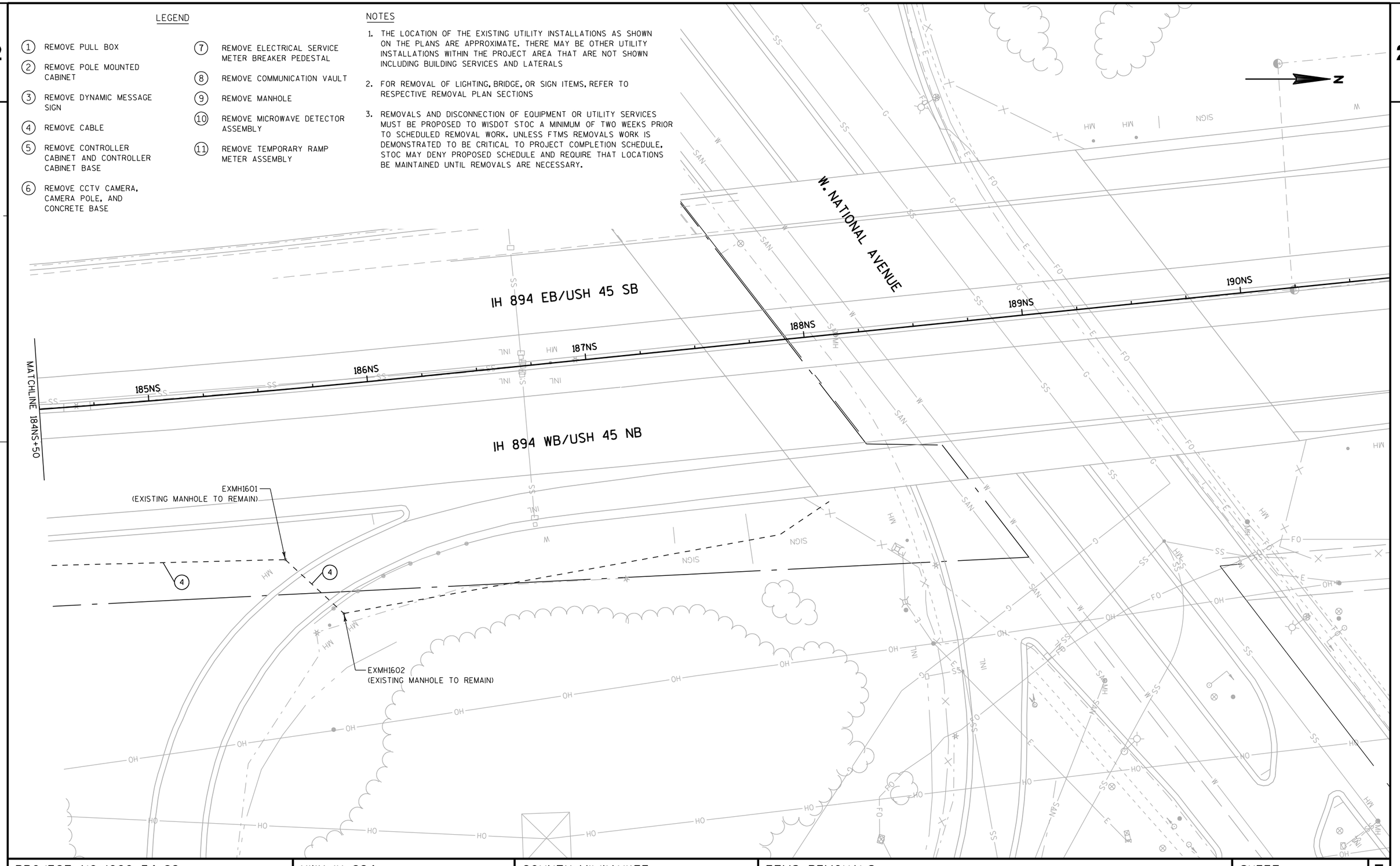
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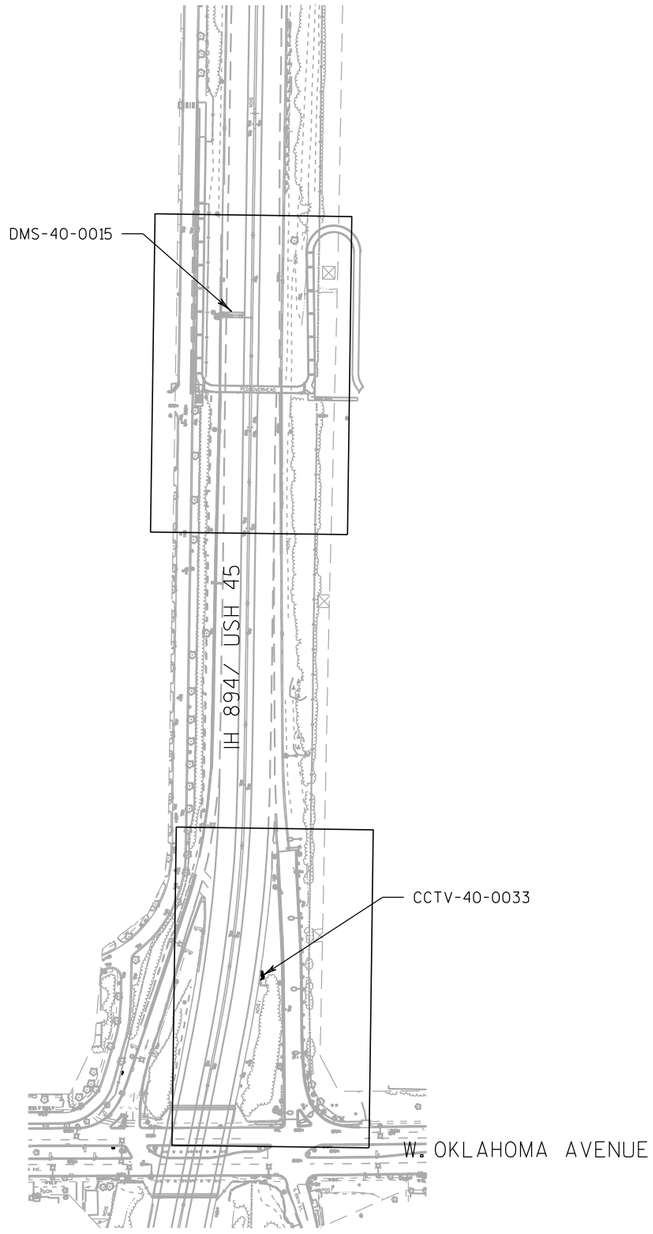
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LEGEND

FTMS CONVENTIONAL SYMBOLS	EXISTING	PROPOSED
JUNCTION BOX	▬	
CCTV CAMERA AND POLE	◀▬●	◀▬●
FTMS FIELD CABINET AND BASE	▭	
POLE MOUNTED CABINET	▣	▣
METER BREAKER PEDESTAL	⊠	
STEEL PULL BOX	⊗	
STEEL PULL BOX 24" X 42"		⊖
ANTENNA POLE	⊢●	
MANHOLE	◎MH	
ADVANCE FLASHER ASSEMBLY	FY	
FTMS (ITS) CONDUIT	- -	- -
BREAKER DISCONNECT BOX	⊞	
COMMUNICATIONS VAULT, TYPE 1	V	V
WIRELESS TRAFFIC SENSOR	■	
WIRELESS TRAFFIC SENSOR REPEATER	▭	
WIRELESS TRAFFIC SENSOR ACCESS POINT	▬	
DETECTION ZONE		
DYNAMIC MESSAGE SIGN		▀▬▀
MICROWAVE DETECTOR ON TYPE 5 POLE	●◆	
RAMP METER SIDEMOUNT SIGNAL	●▶	
ATR ASSEMBLY ON TYPE 5 POLE		

FTMS STANDARD ABBREVIATIONS

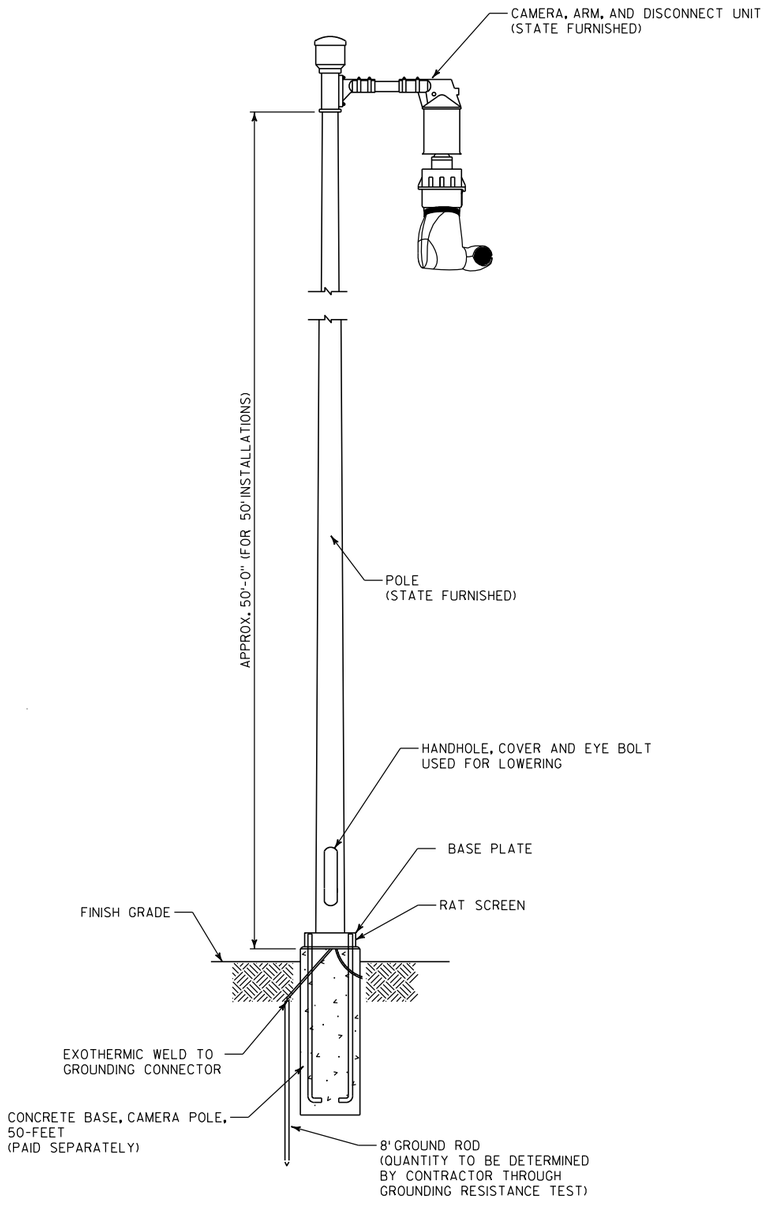
CB	CONTROLLER CABINET
CCTV	CLOSED CIRCUIT TELEVISION SITE
CV	COMMUNICATIONS VAULT
FY	ADVANCE FLASHER (ASSEMBLY)
PB	PULL BOX
MB	METER BREAKER
MD	MICROWAVE DETECTOR
MH	MANHOLE
RM	RAMP METER
WTS	WIRELESS TRAFFIC SENSOR
WTSAP	WIRELESS TRAFFIC SENSOR ACCESS POINT
WTSR	WIRELESS TRAFFIC SENSOR REPEATER
RWIS	ROAD WEATHER INFORMATION SYSTEM
ATR	AUTOMATIC TRAFFIC RECORDER
SDS	SYSTEM DETECTION STATION
BS	BLANKOUT SIGN
TMD	TEMPORARY VEHICLE DETECTOR ASSEMBLY
TCCVT	PORTABLE VIDEO SURVEILLANCE SYSTEM



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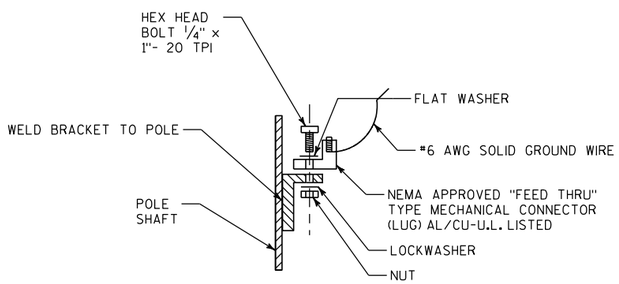
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8. THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.
9. THE CONTRACTOR SHALL CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.
10. ALL LOOP DETECTORS ARE STATIONED TO CENTER OF LEADING EDGE AS APPROACHED BY NORMAL VEHICLE PATH.
11. HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.
12. VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

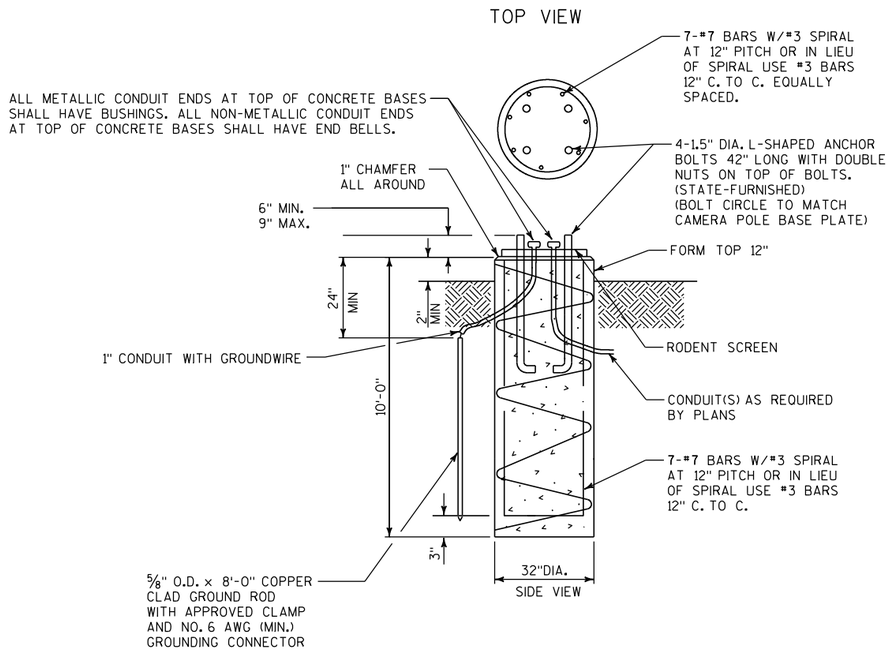


CAMERA POLE WITH CAMERA LOWERING HARDWARE

WITHOUT POLE MOUNTED CABINET



FIELD INSTALLED GROUNDING LUG



MATERIALS DATA

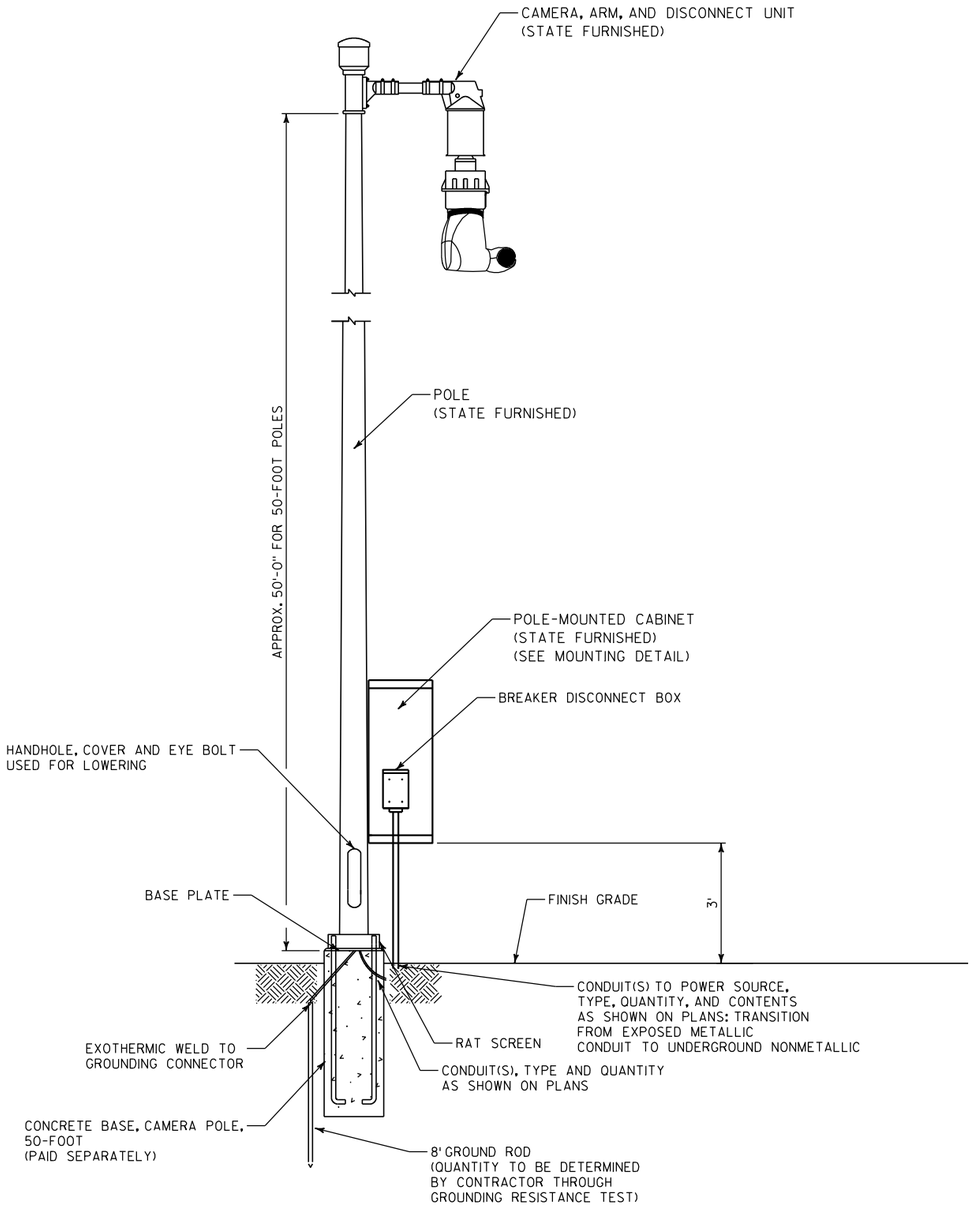
CONCRETE	f'c=3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT	fy = 60,000 psi

CONCRETE BASE, 50' CAMERA POLE

NOT TO SCALE

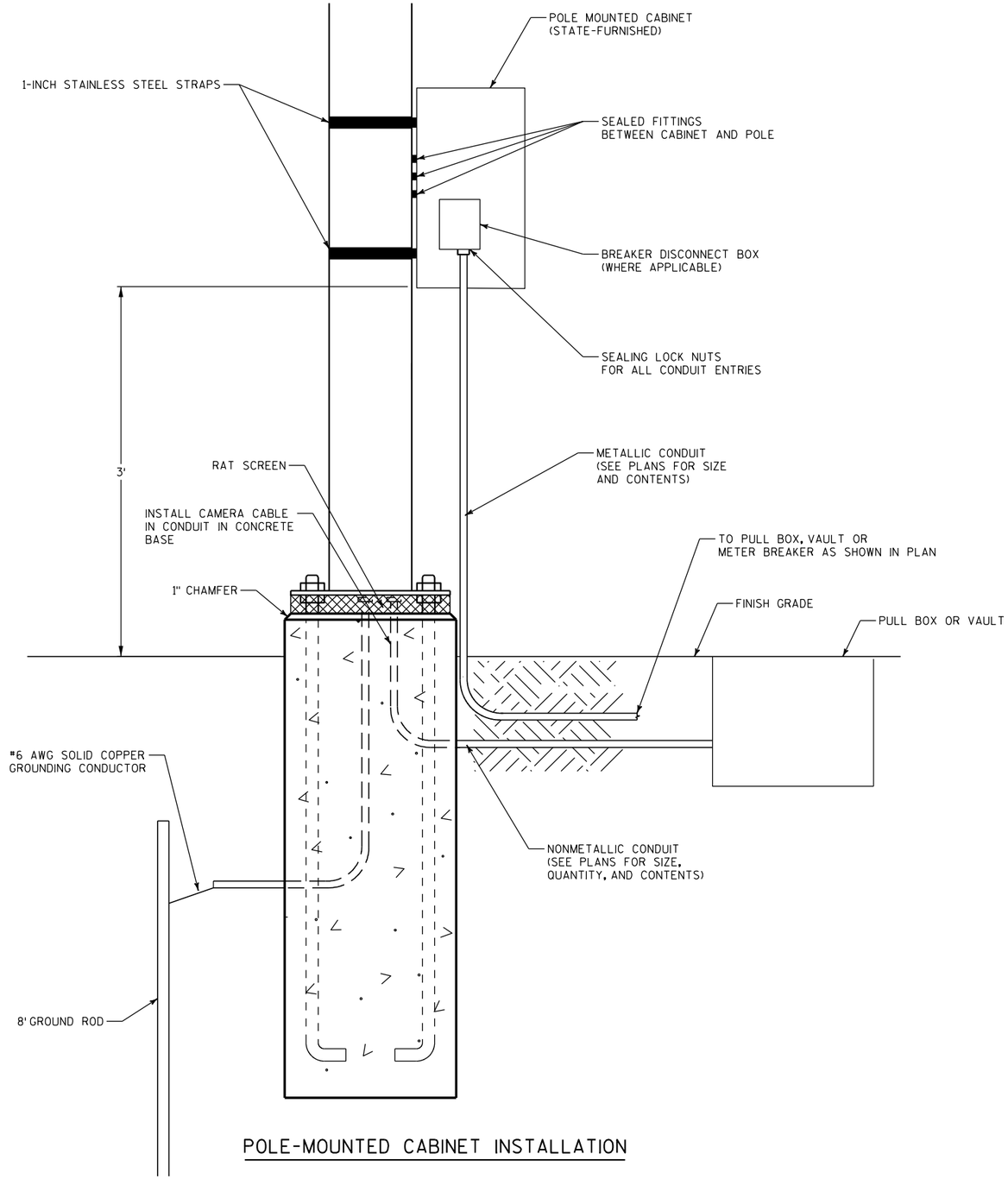
NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

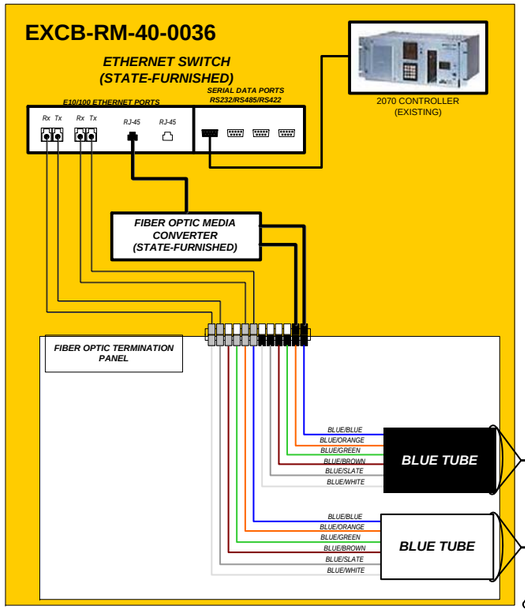


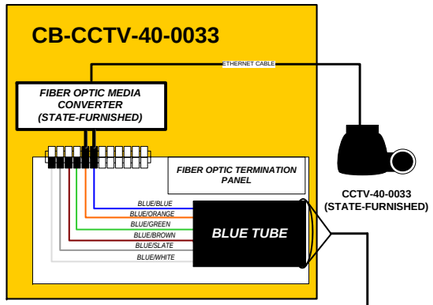
CAMERA POLE WITH CAMERA LOWERING HARDWARE

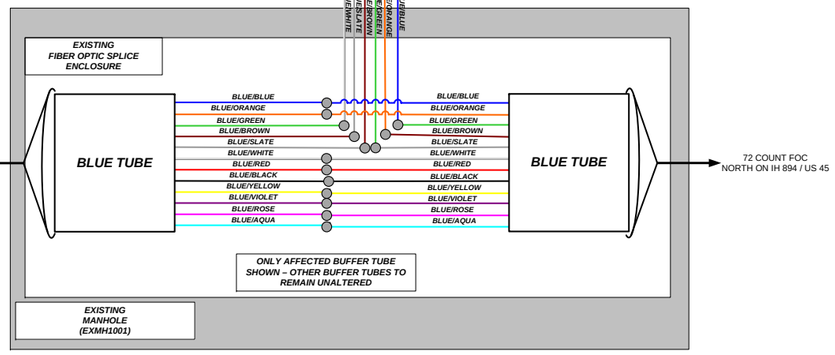
WITH POLE MOUNTED CABINET

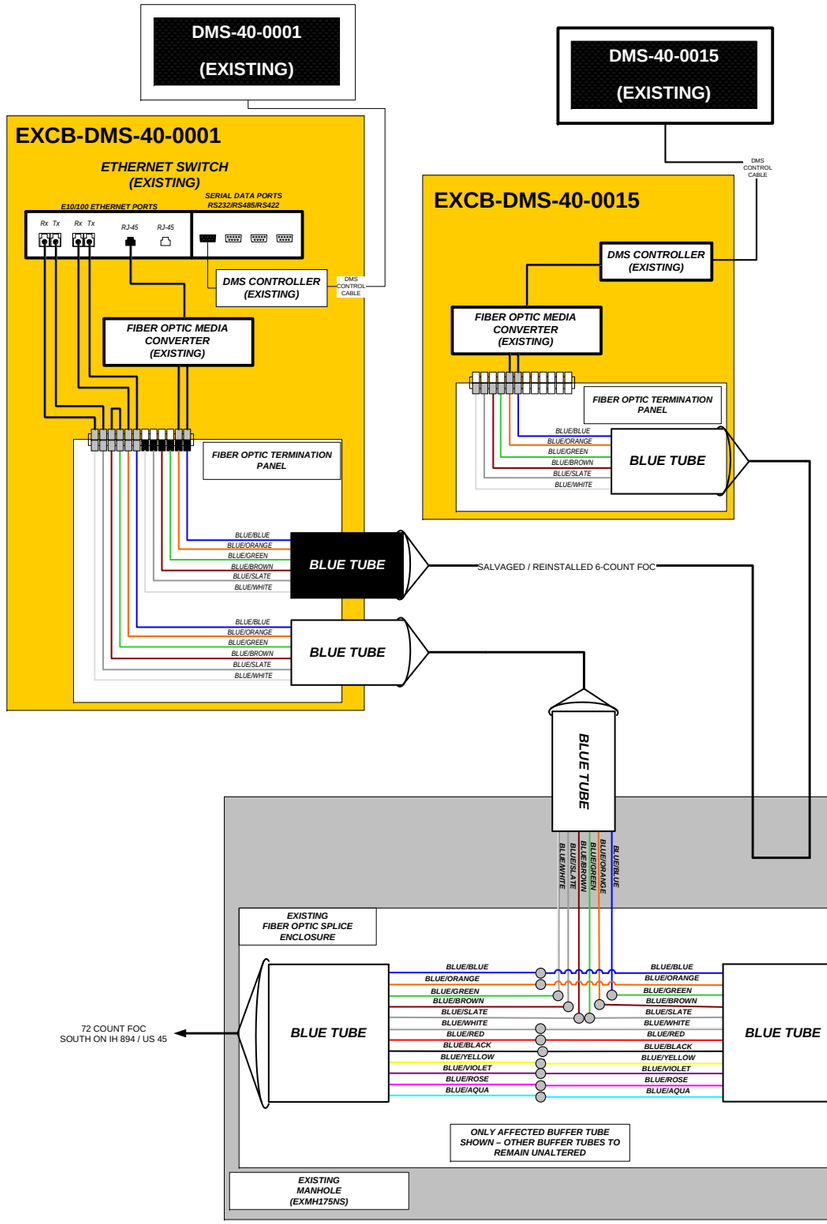


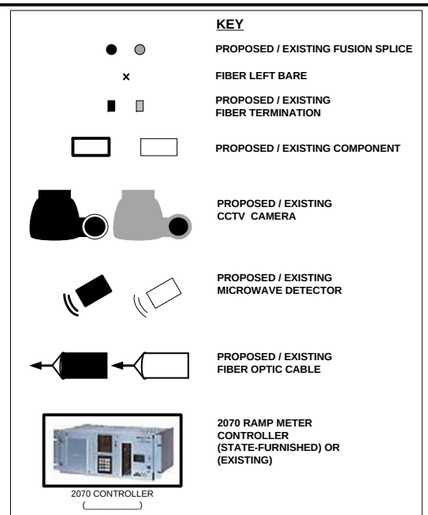
POLE-MOUNTED CABINET INSTALLATION











2

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS PLANS - COMMUNICATIONS DETAILS	SHEET E

CB-CCTV-40-0033 CABINET CONTENT ITEMS	DETAILS QTY.
FIBER OPTIC MEDIA CONVERTER	1
12-COUNT F.O. TERMINATION PANEL	1
FIBER OPTIC TERMINATIONS	6
BREAKER DISCONNECT BOX	1

2

2

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

W. OKLAHOMA AVENUE

150NS

151NS

152NS

153NS

154NS

155NS

156NS

EXMH1001

(3) 2-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE
(1) WITH (3) NO. 4 AWG LIGHTING WIRES

EXPB1009
(1) INSTALL CONDUIT INTO EXISTING PULL BOX

CCTV-40-0033
(1) 50-FOOT CCTV CAMERA POLE BASE
(1) 50-FOOT CCTV CAMERA POLE (S-F)
(1) CCTV CAMERA ASSEMBLY (S-F)
(1) POLE MOUNTED CABINET (S-F)

IN EXISTING CONDUIT
(1) WITH (1) 6-COUNT FOC (S-F)
(1) WITH (3) NO. 4 AWG LIGHTING WIRES

EXPB2002

EXPB2003

251ALN

252ALN

253ALN

254ALN

255ALN

256ALN

IN EXISTING CONDUIT
(1) WITH (1) 6-COUNT FOC (S-F)
(1) WITH (3) NO. 4 AWG LIGHTING WIRES

EXPB1002

EXMB1001

EXCB-RM-40-0036
(1) F.O. MEDIA CONVERTER

EXPB2001

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS PLANS	SHEET	E

2

2

N

W. CLEVELAND AVENUE

IH 894 SB/USH 45 SB

IH 894 WB/USH 45 NB

EXMH1402

IN EXISTING CONDUIT
(1) WITH (1) 6-COUNT FOC (SALVAGED)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(1) MULTI-CELL CONDUIT CONNECTION
EXTEND EXISTING MULTI-CELL CONDUIT TO PB175NS

(2) 3-INCH NONMETALLIC CONDUITS
(1) WITH (1) 6-COUNT FOC (SALVAGED)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

PB175NS

EXPB1402
(1) INSTALL CONDUIT INTO EXISTING PULL BOX

EXISTING 72-COUNT FOC

IN EXISTING CONDUIT
(1) WITH (1) 6-COUNT FOC (SALVAGED)

EXPB1401

EXCB-DMS-40-0001

172NS 173NS 174NS 175NS 176NS 177NS

272ALN 273ALN 274ALN 275ALN 276ALN 277ALN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	FTMS PLANS	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\021426_fm.dgn PLOT DATE : 29-MAY-2015 15:25 PLOT BY : MSCKKC PLOT NAME : 021426_fm PLOT SCALE : 40:1

2

LEGEND

EROSION MAT CLASS ITYPE B (WITH SEEDING MIXTURE NO. 30)

SURFACE WATER FLOW

SLOPE INTERCEPT

TEMPORARY DITCH CHECK

(A) INLET PROTECTION TYPE A

(B) INLET PROTECTION TYPE B

(C) INLET PROTECTION TYPE C

(D) INLET PROTECTION TYPE D

NOTES

PLACE INLET PROTECTION TYPE A AT ALL NEW INLET LOCATIONS DURING GRADING STAGES.

PLACE INLET PROTECTION TYPE B, C, OR D UNDER INLET COVERS LOCATED IN CURB AND GUTTER UNTIL COMPLETION OF THE PROJECT.

DO NOT STORE MATERIALS OR OPERATE EQUIPMENT WITHIN THE WETLAND LIMITS OUTSIDE THE SLOPE INTERCEPTS.

2

2

N

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

S. 100TH STREET

144NS

146NS

148NS

150NS

152NS

154NS

156NS

158NS+00

MATCHLINE

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

252ALN

254ALN

256ALN

258

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL - EXISTING CONDITION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022001_ec.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 022001_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

WETLAND BOUNDARY

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL - EXISTING CONDITION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022002_ec.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 022002_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

MATCHLINE 173NS+00

174NS 176NS 178NS 180NS 182NS 184NS 186NS 188NS

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

274ALN 276ALN 278ALN 280ALN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL - EXISTING CONDITION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022003_ec.dgn PLOT DATE : 20-JUL-2015 17:41 PLOT BY : MSCD1S PLOT NAME : 022003_ec PLOT SCALE : 100:1

2

2

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

S. 100TH STREET

144NS

146NS

148NS

150NS

152NS

154NS

156NS

252ALN

254ALN

256ALN

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

WETLAND BOUNDARY

N

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022011_ec.dgn PLOT DATE : 27-MAY-2015 08:27 PLOT BY : MSCD1S PLOT NAME : 022011_ec PLOT SCALE : 100:1

2

N

2

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

WETLAND BOUNDARY

EROSION MAT CLASS I
TYPE B FERTILIZER TYPE B
(WITH SEEDING MIXTURE NO. 30)

WETLAND BOUNDARY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022012_ec.dgn PLOT DATE : 27-MAY-2015 08:27 PLOT BY : MSCD1S PLOT NAME : 022012_ec PLOT SCALE : 100:1

2

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

N

MATCHLINE 173NS+00

174NS 176NS 178NS 180NS 182NS 184NS 186NS 188NS

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

274ALN 276ALN 278ALN 280ALN

EROSION MAT CLASS I
TYPE B FERTILIZER TYPE B
(WITH SEEDING MIXTURE NO. 30)

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022013_ec.dgn PLOT DATE : 28-MAY-2015 13:41 PLOT BY : MSCD1S PLOT NAME : 022013_ec PLOT SCALE : 100:1

GENERAL DRAINAGE NOTES

LOCATION OF STRUCTURES IN CURB AND GUTTER OR BARRIER SECTION REFER TO CURB AND GUTTER OR BARRIER FLOW LINE. LOCATION OF STRUCTURES NOT IN CURB AND GUTTER SECTION REFER TO CENTER OF STRUCTURE OR AS NOTED ON PLAN.

RIM ELEVATIONS ARE GIVEN AT FLOW LINE OF INLET OR AT CENTER OF MANHOLE. SEE STRUCTURE LOCATION DETAIL.

USE MONOLITHIC CONCRETE SHIMMING AS SHOWN ON PLANS FOR FINAL ADJUSTMENT OF DRAINAGE STRUCTURES LOCATED WITHIN THE FREEWAY CONCRETE PAVEMENT, CONCRETE SHOULDERS, CONCRETE CURB & GUTTER AND CONCRETE BARRIER WALL. IF THE ADJUSTMENT IS LESS THAN 4-INCHES, THE ENGINEER MAY CHOOSE TO DIRECT THE CONTRACTOR TO USE GRADE RINGS FOR ADJUSTMENTS FOR STORM SEWER STRUCTURES OUTSIDE THE FREEWAY CONCRETE PAVEMENT AND AT OTHER NON-FREEWAY LOCATIONS.

PLAN LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND IS USED FOR ESTIMATING. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE AND IS USED TO COMPUTE PIPE SLOPE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND PIPES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

UTILITY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE. LOCATIONS SHOWN ARE TAKEN FROM EXISTING RECORDS AND BEST INFORMATION AVAILABLE FROM EXISTING PLANS. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION OF UTILITIES AND STRUCTURES SHOWN. VERIFY ALL LOCATIONS IN THE FIELD.

COORDINATE WITH DIGGERS HOTLINE TO FIELD LOCATE UTILITIES. SHEETING SHALL NOT GO THROUGH UTILITIES. ANY UTILITIES DAMAGED DUE TO CONTRACTOR ACTIVITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE UTILITY FACILITY.

VERIFY THE EXISTING STORM SEWER SYSTEM CONNECTION LOCATIONS AND ELEVATIONS PRIOR TO ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLANS PRIOR TO INSTALLING THE PROPOSED STORM SEWER.

PROVIDE BOLTED COVERS FOR DRAINAGE STRUCTURE COVER TYPE V. COST OF PROVIDING BOLTED COVERS IS CONSIDERED INCIDENTAL TO COVER TYPE. WELD ALL OTHER EXISTING AND PROPOSED STORM SEWER STRUCTURE COVERS SUBJECT TO TRAFFIC LOADING. REMOVE WELDS FROM COVERS AT THE DIRECTION OF ENGINEER WHEN CONSTRUCTION IS COMPLETE.

STORM SEWER PLAN & PROFILE NOTE:
PLAN VIEW HIGHLIGHTS CORRESPOND TO PROFILES SHOWN IN PROFILE BELOW PLAN VIEW (SAME SHEET). STORM SEWER STRUCTURES AND PIPES LABELED IN PLAN VIEW WITHOUT HIGHLIGHT ARE SHOWN ON THE NEXT PROFILE ONLY SHEET(S).

STORM SEWER STAGING LEGEND

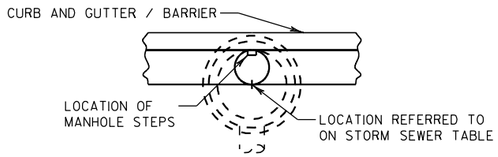
- REMOVING INLETS
- REMOVING MANHOLES
- RM 2 ——— RM 2 – REMOVING STORM SEWER (BY STAGE)
- AB 2 ——— AB 2 ABANDONING STORM SEWER (BY STAGE)
- 6A ——— 6A PROPOSED STORM SEWER (BY STAGE)

STORM SEWER LEGEND

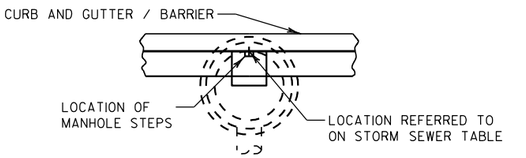
- EXISTING AE*** EXISTING DRAINAGE STRUCTURE
- A*** PROPOSED DRAINAGE STRUCTURE
- ■ PROPOSED INLET / PROPSED CATCH BASIN
- EXISTING PE*** EXISTING STORM SEWER PIPE
- P*** PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER PIPE PLAN VIEW

2

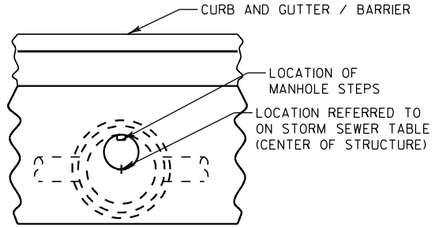
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER - CONSTRUCTION DETAILS	SHEET	E



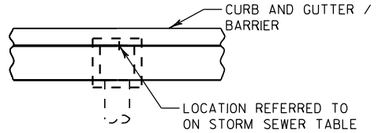
MANHOLE IN CURB AND GUTTER / AT BARRIER



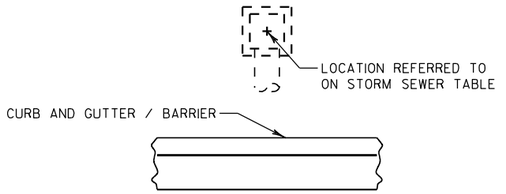
MANHOLE WITH INLET COVER IN CURB AND GUTTER / AT BARRIER



MANHOLE NOT IN CURB AND GUTTER / NOT AT BARRIER



INLET IN CURB AND GUTTER / AT BARRIER

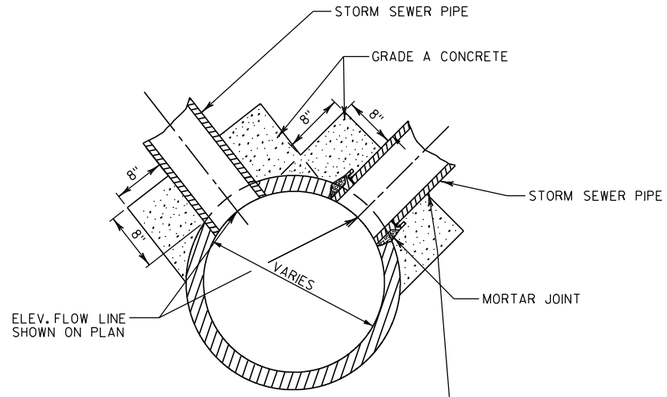


INLET NOT IN CURB AND GUTTER / NOT AT BARRIER

NOTE

1) LOCATION OF STRUCTURE MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2) LOCATION AND SIZE OF STRUCTURE COVER OPENING DEPENDS ON TYPE OF CASTING. CASTING TYPES ARE SHOWN ON THE STORM SEWER TABLE.

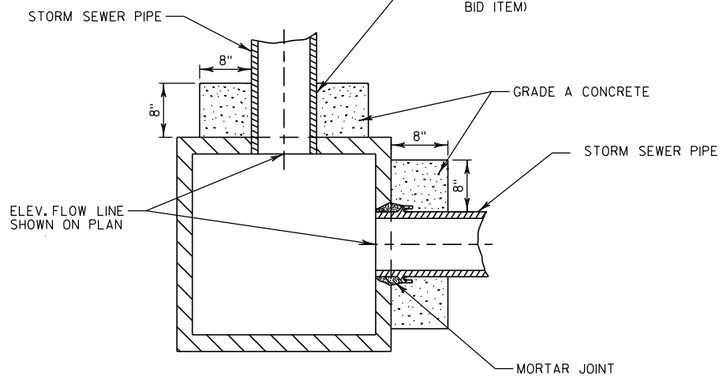
STRUCTURE LOCATION DETAIL



AT MANHOLE

INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

CLEAN PIPE AND STRUCTURE SURFACES AND APPLY BONDING AGENT PRIOR TO INSTALLING CONCRETE COLLAR (INCIDENTAL TO CONCRETE COLLAR BID ITEM)



AT STORM SEWER INLET

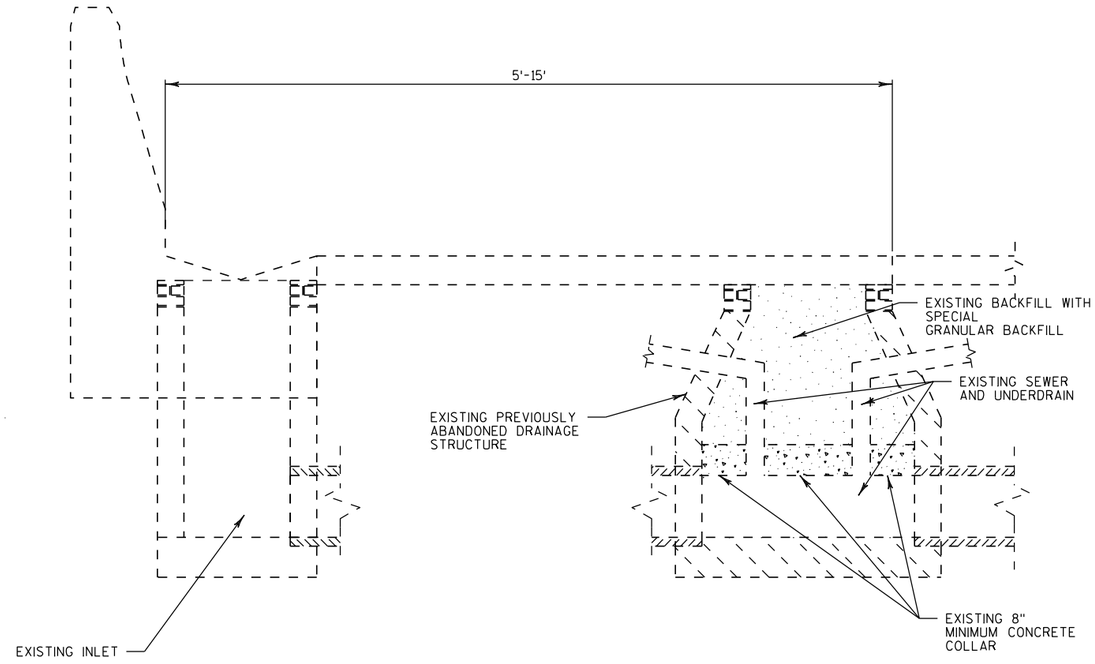
INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

NOTE

CONCRETE COLLAR TO BE PAID AS A BID ITEM WHEN CONNECTING AN EXISTING PIPE TO A NEW STRUCTURE.

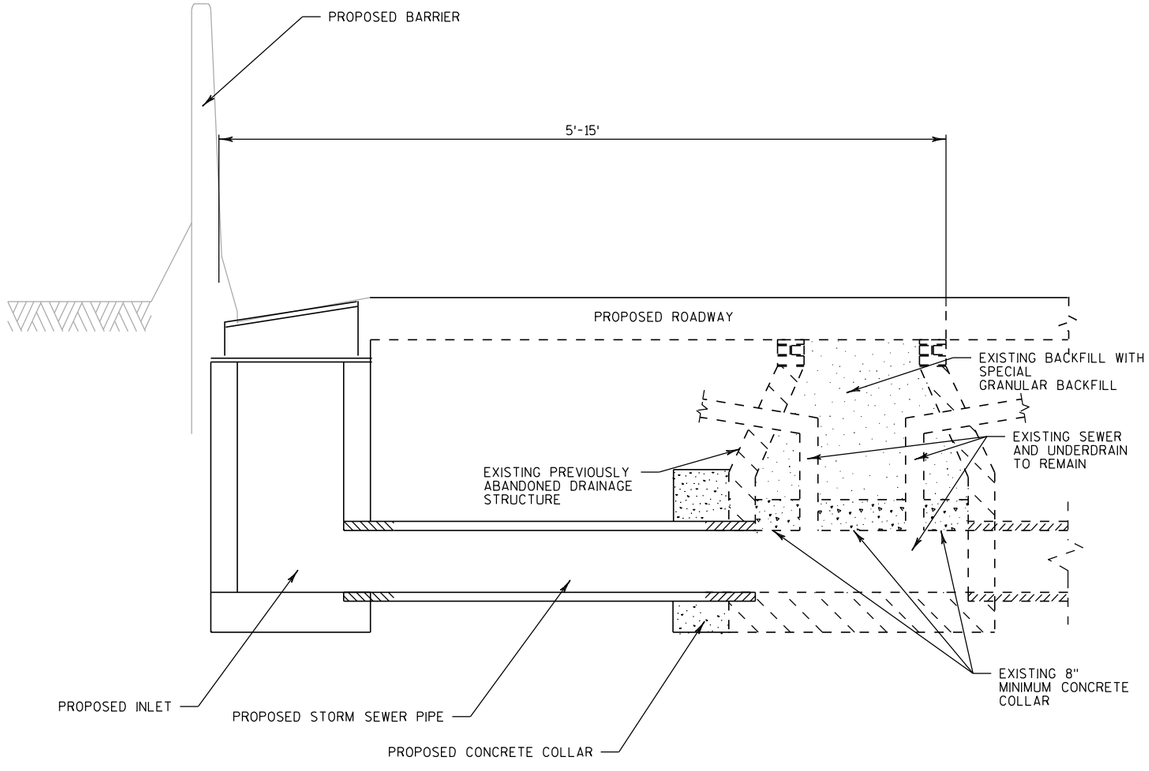
CONCRETE COLLAR DETAIL

FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS



REMOVE EXISTING PREVIOUSLY ABANDONED DRAINAGE STRUCTURE

ITEM TO BE PAID FOR UNDER ITEMS "REMOVING INLETS" AND "REMOVING MANHOLES"
FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS



CONNECT TO EXISTING PREVIOUSLY ABANDONED DRAINAGE STRUCTURE

ITEM TO BE PAID FOR UNDER ITEMS "PIPE CONNECTION TO EXISTING STRUCTURE"
FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS

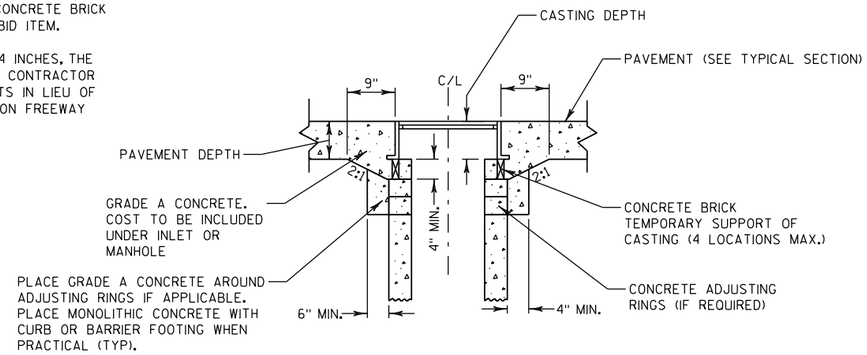
2

NOTE

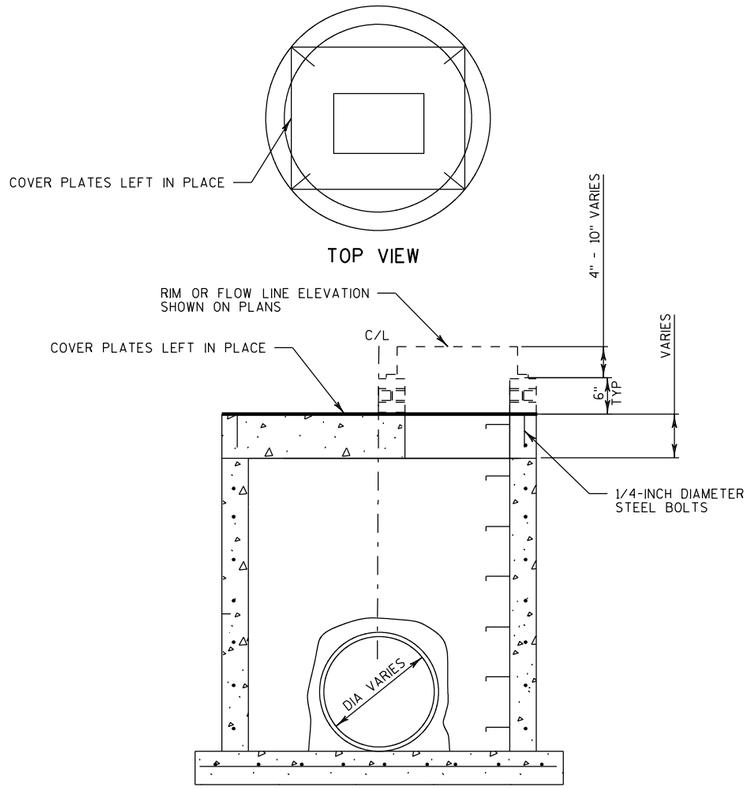
1) MONOLITHIC CONCRETE SHIMMING TO BE PROVIDED FOR ALL PROPOSED COVERS LOCATED IN FREEWAY CONCRETE PAVEMENT, CONCRETE CURB & GUTTER, AND CONCRETE BARRIER.

2) COST OF GRADE A CONCRETE AND CONCRETE BRICK IS INCIDENTAL TO MANHOLE OR INLET BID ITEM.

3) IF THE ADJUSTMENT IS LESS THAN 4 INCHES, THE ENGINEER MAY CHOOSE TO DIRECT THE CONTRACTOR TO USE GRADE RINGS FOR ADJUSTMENTS IN LIEU OF MONOLITHIC CONCRETE SHIMMING FOR NON FREEWAY DRAINAGE STRUCTURES.



MONOLITHIC CONCRETE SHIMMING DETAIL



NOTES

COVER PLATES LEFT IN PLACE TO REST FLAT UPON THE DRAINAGE STRUCTURE.

EMBED 1/4-INCH DIAMETER STEEL BOLTS EPOXIED IN PLACE IN THE FOUR CORNERS OF THE COVER PLATES LEFT IN PLACE.

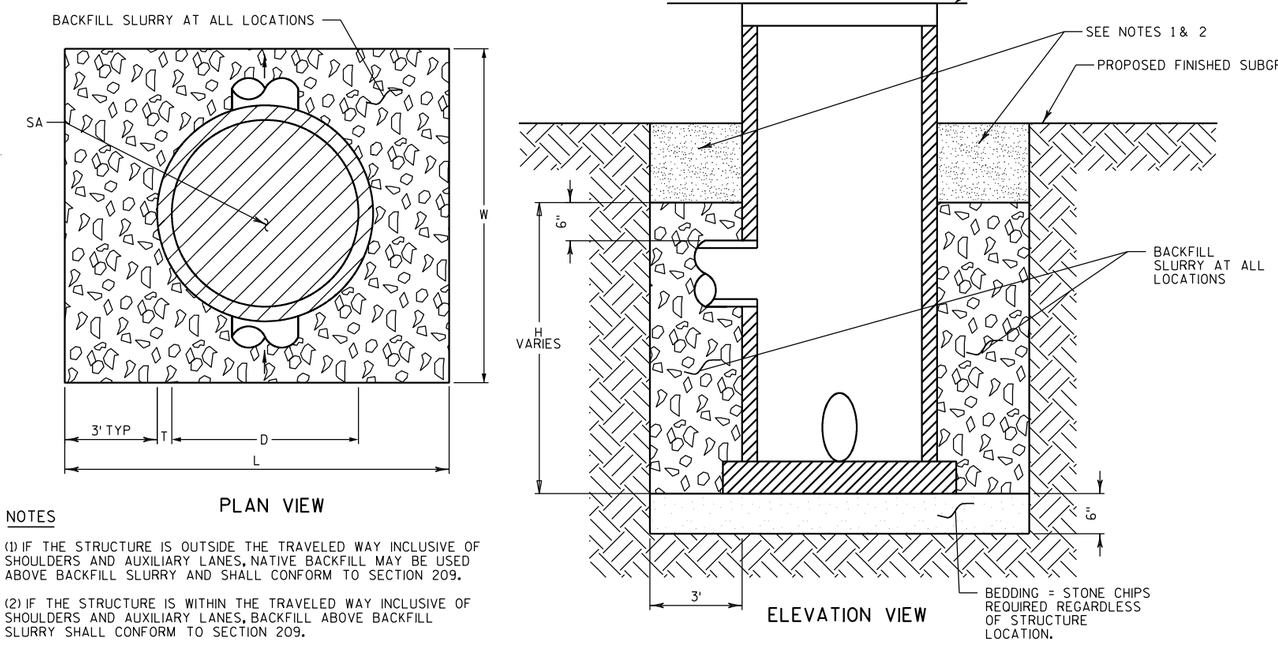
COVER PLATES LEFT IN PLACE

BACKFILL SLURRY STRUCTURES (FOR INFORMATION ONLY)

DESCRIPTION	DIAMETER / STR LENGTH D FT	RECTANGULAR STR WIDTH RW FT	WALL THICKNESS T INCH	STRUCTURE EXCAVATION LENGTH L FT	STRUCTURE EXCAVATION WIDTH W FT	STRUCTURE EXCAVATION AREA SF	STRUCTURE AREA SA SF	BACKFILL SLURRY AREA SF
INLETS MEDIAN 1 GRATE	2.5	2.5	8	9.83	9.83	97	15	82
INLETS MEDIAN 2 GRATE	2.5	5.33	8	9.83	12.66	125	26	99
INLETS 3-FT DIAMETER	3	---	4	9.67	9.67	93	11	83
INLETS 4-FT DIAMETER	4	---	5	10.83	10.83	117	18	99

H = UP TO 6" ABOVE THE TOP OF THE HIGHEST PIPE IN THE STRUCTURE

BACKFILL SLURRY VOLUME (CUBIC YARDS) = $\frac{\text{BACKFILL SLURRY AREA X H}}{27}$



PLAN VIEW

ELEVATION VIEW

NOTES

(1) IF THE STRUCTURE IS OUTSIDE THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, NATIVE BACKFILL MAY BE USED ABOVE BACKFILL SLURRY AND SHALL CONFORM TO SECTION 209.

(2) IF THE STRUCTURE IS WITHIN THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, BACKFILL ABOVE BACKFILL SLURRY SHALL CONFORM TO SECTION 209.

(3) BACKFILL SLURRY IS CONSIDERED INCIDENTAL TO DRAINAGE STRUCTURES. NO SEPARATE PAYMENTS WILL BE MADE.

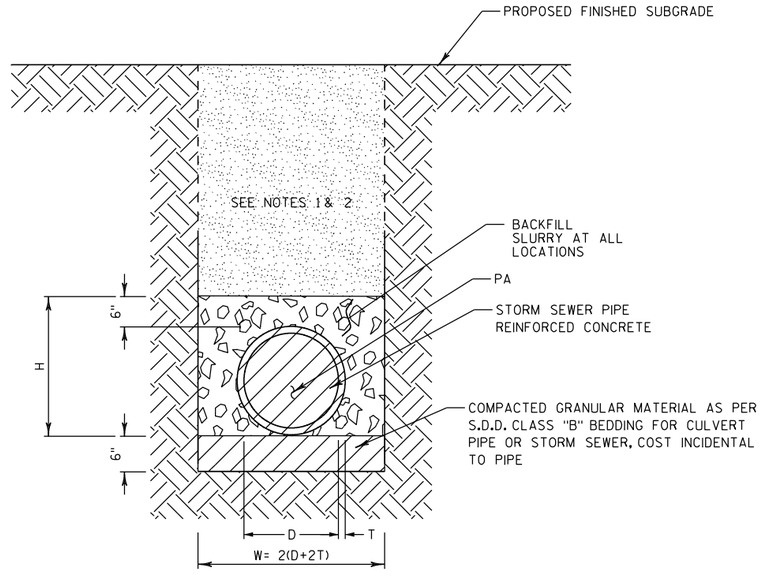
(4) WHEN TEMPORARY SUBGRADE IS HIGHER THAN PROPOSED FINISHED SUBGRADE, PROVIDE GRANULAR BACKFILL AT ALL LOCATIONS. COST FOR GRANULAR BACKFILL IS CONSIDERED INCIDENTAL TO CONSTRUCTION.

BACKFILL SLURRY DETAIL - STORM SEWER STRUCTURES

BACKFILL SLURRY TRENCHES (FOR INFORMATION ONLY)

PIPE DIAMETER D INCHES	Wall Thickness T Inches	Trench Width W FT	Height of Pipe Zone H (From pipe bottom to 6" above top of pipe)	Area of Pipe Zone SF	Area of Pipe PA SF	Backfill Slurry Area SF
12	2.00	2.67	1.83	4.89	1.40	3.49
18	2.50	3.83	2.42	9.26	2.89	6.38

BACKFILL SLURRY VOLUME (CUBIC YARDS) = $\frac{\text{(PIPE ZONE AREA - PIPE AREA) X PIPE PLAN LENGTH}}{27}$



NOTES

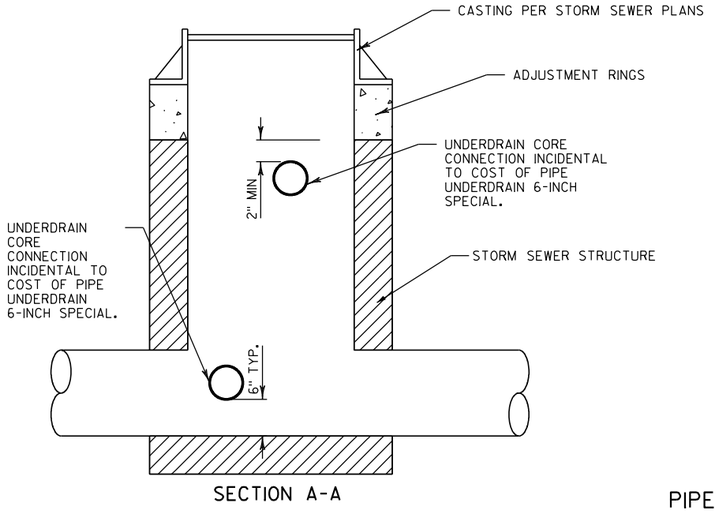
(1) IF THE PIPE IS OUTSIDE THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, NATIVE BACKFILL MAY BE USED ABOVE BACKFILL SLURRY AND SHALL CONFORM TO SECTION 209.

(2) IF THE PIPE IS WITHIN THE TRAVELED WAY INCLUSIVE OF SHOULDERS AND AUXILIARY LANES, BACKFILL ABOVE BACKFILL SLURRY SHALL CONFORM TO SECTION 209.

(3) BACKFILL SLURRY IS CONSIDERED INCIDENTAL TO DRAINAGE PIPE. NO SEPARATE PAYMENTS WILL BE MADE.

(4) WHEN TEMPORARY SUBGRADE IS HIGHER THAN PROPOSED FINISHED SUBGRADE, PROVIDE GRANULAR BACKFILL AT ALL LOCATIONS. COST FOR GRANULAR BACKFILL IS CONSIDERED INCIDENTAL TO CONSTRUCTION.

BACKFILL SLURRY DETAIL - STORM SEWER TRENCH



SECTION A-A

MINIMUM AND MAXIMUM CORED PIPE UNDERDRAIN 6-INCH SPECIAL UNDERDRAIN CORE LOCATIONS WITH CROSSPIPE.

NOTE

(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE REINFORCED CONCRETE STORM SEWER PIPE.

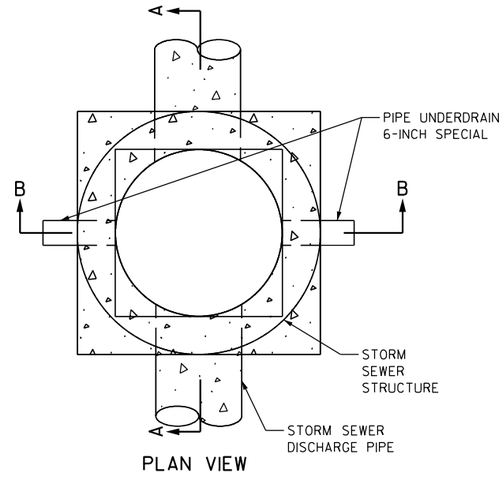
(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)

(3) PIPE UNDERDRAIN 6-INCH SPECIAL SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES.

(4) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.

(5) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALL OF A STRUCTURE.

(6) DIMENSIONS GIVEN ARE FOR TYPICAL PERMANENT CONDITIONS. FOR TEMPORARY CONDITIONS OR WHEN INLET DEPTH IS SHALLOW PROVIDE POSITIVE DRAINAGE. TO BE COORDINATED WITH ENGINEER IN FIELD.



PLAN VIEW

PIPE UNDERDRAIN 6-INCH SPECIAL OUTFALL AT INLET/MANHOLE (ROUND OR SQUARE)

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES SHALL EXTEND PIPE UNDERDRAIN 6-INCH SPECIAL TO THE INSIDE WALL OF STORM SEWER STRUCTURE.

2. PROVIDE UNDERDRAIN PIPE CORED HOLES AT OR BETWEEN ELEVATIONS SHOWN IN SECTION A-A.

3. SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS.

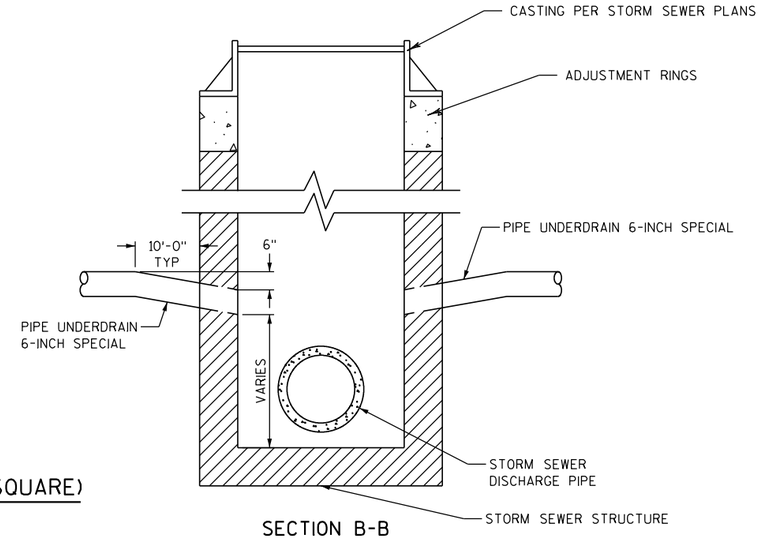
4. PROVIDE POSITIVE DRAINAGE (0.5% MINIMUM GRADE) THROUGH PIPE UNDERDRAIN 6-INCH SPECIAL AND CORE INTO STORM SEWER STRUCTURE.

5. WHEN INLET DEPTH IS SHALLOW, PIPE UNDERDRAIN 6-INCH SPECIAL MAY BE PLACED AT A DEPTH TO PROVIDE POSITIVE DRAINAGE TO BE COORDINATED WITH ENGINEER IN FIELD.

6. ATTACHMENT OF PIPE UNDERDRAIN 6-INCH SPECIAL TO REAR OF INLET IS SATISFACTORY IF REINFORCED CONCRETE STORM SEWER PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.

7. COORDINATE LOCATION AND TIMING OF ANY CONNECTIONS BEING MADE TO PIPE UNDERDRAIN 6-INCH SPECIAL FOR RETAINING WALL PIPE UNDERDRAIN STRUCTURES WITH WALL CONTRACTOR.

8. CONNECT PIPE UNDERDRAIN 6-INCH SPECIAL AT STORM SEWER STRUCTURES SUCH THAT ANY SINGLE RUN DOES NOT EXCEED 800 FEET IN LENGTH.

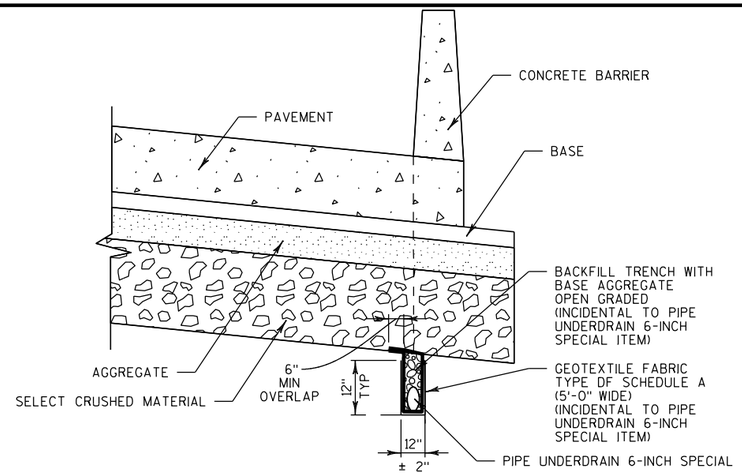


SECTION B-B

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL

NOTE

(1) TYPICAL ELEVATION OF PIPE UNDERDRAIN 6-INCH SPECIAL SHALL BE PLACED BELOW THE SELECT CRUSHED MATERIAL.



PIPE UNDERDRAIN 6-INCH SPECIAL
TRENCH DETAIL - BARRIER SECTION

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER - CONSTRUCTION DETAILS	SHEET	E

2

2

N

IH 894/USH 45 SB

IH 894/USH 45 NB

152NS
154NS
156NS
158NS
160NS
162NS
164NS
166NS

252ALN
254ALN
256ALN
258ALN
260ALN
262ALN
264ALN
266ALN

REMOVE & INSTALL
STAGE 1B

PIPE CONNECTION TO
EXISTING STRUCTURE

PIPE CONNECTION TO EXISTING STRUCTURE

INSTALL
STAGE 1B

REMOVE & INSTALL
STAGE 1B

REMOVE & INSTALL
STAGE 1A

CONCRETE COLLAR

MATCHLINE 167NS+00

PED OVERHEAD

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER - STAGING	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\022401_ss.dgn PLOT DATE : 20-JUL-2015 12:43 PLOT BY : MSCRYS PLOT NAME : 022401_ss PLOT SCALE : 100.0002:1

WISDOT/CADDS SHEET 42

2

N

W. CLEVELAND AVENUE

S. 101ST STREET

IH 894/USH 45 SB

IH 894/USH 45 NB

MATCHLINE 167NS+00

168NS

170NS

172NS

174NS

176NS

178NS

180NS

182NS

268ALN

270ALN

272ALN

274ALN

276ALN

278ALN

280ALN

PIPE CONNECTION TO EXISTING STRUCTURE

REMOVE & INSTALL STAGE 1A

INSTALL STAGE 1A

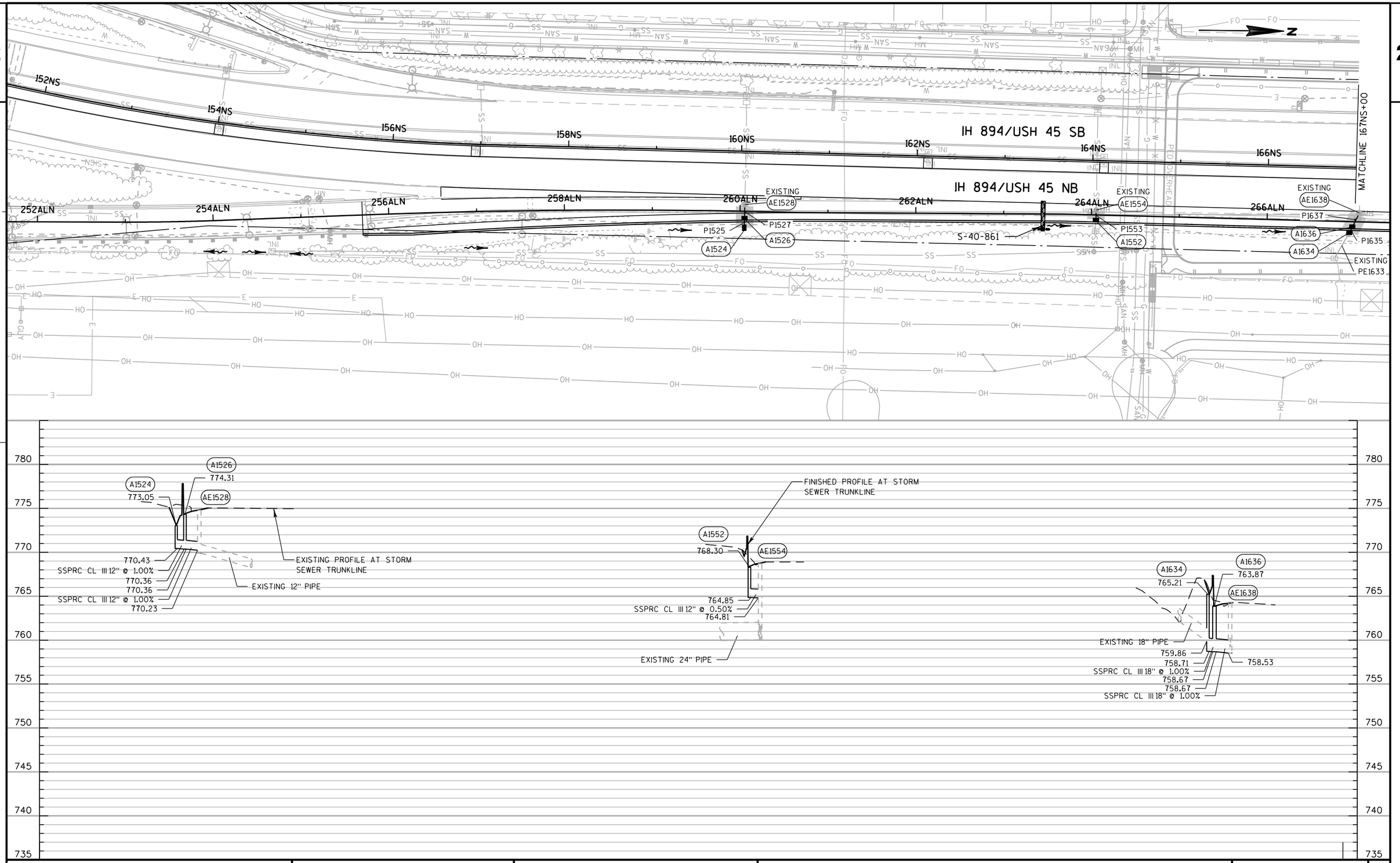
CONCRETE COLLAR

COVER PLATE LEFT IN PLACE

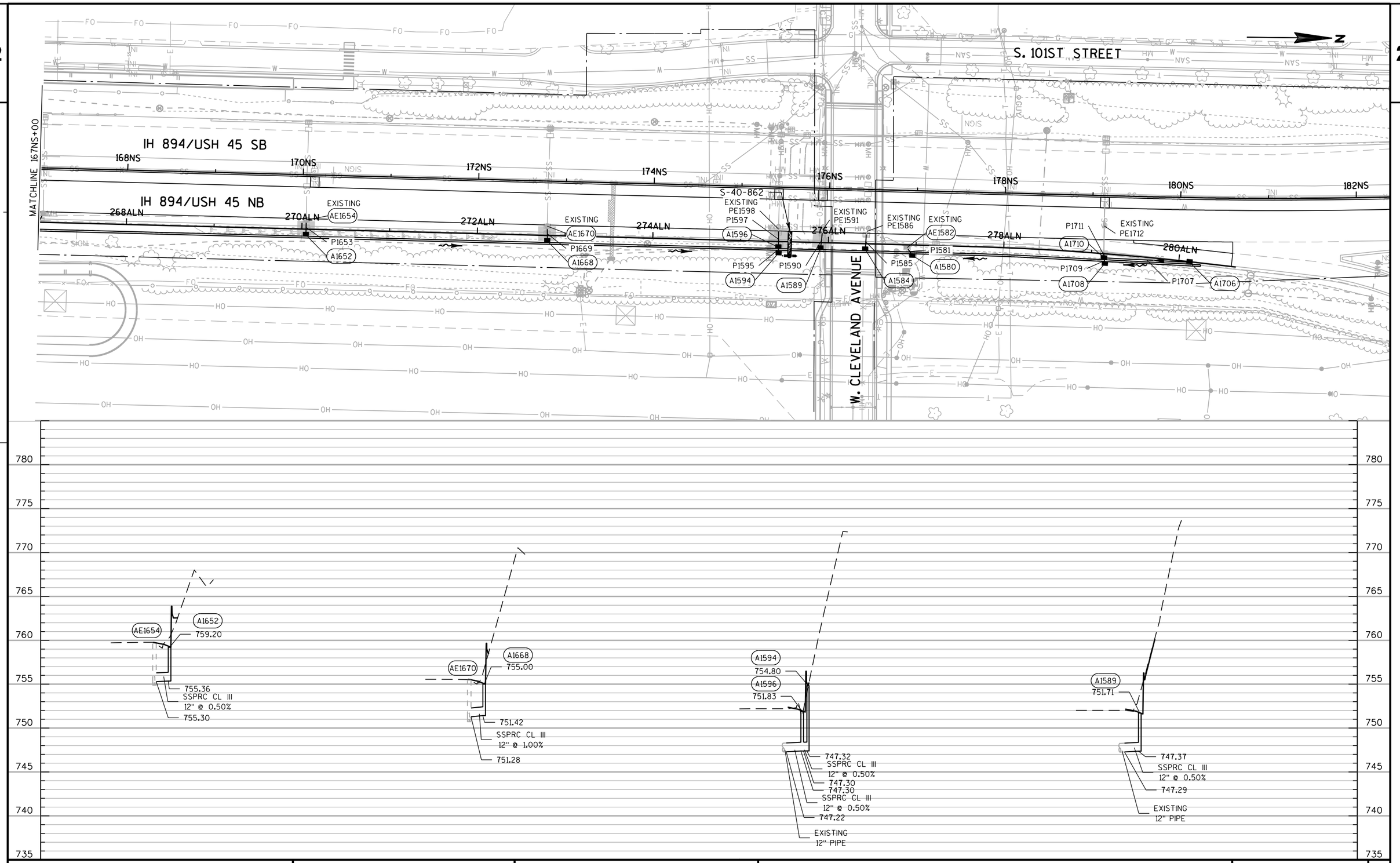
INSTALL STAGE 1B

REMOVE & INSTALL STAGE 1B

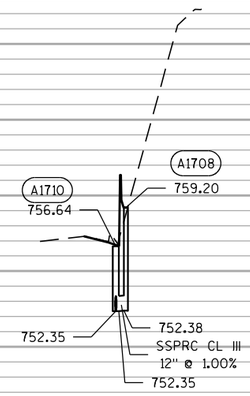
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER - STAGING	SHEET	E

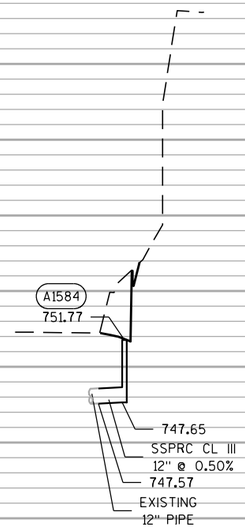


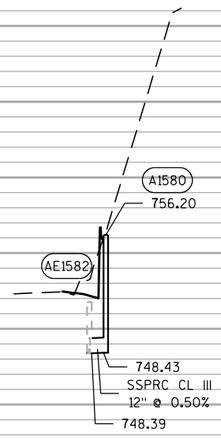
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

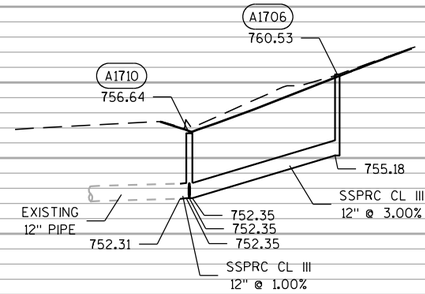


PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E









PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

2

N

148NS
150NS
152NS
154NS
156NS
158NS
160NS
162NS

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

252ALN
254ALN
256ALN
258ALN
260ALN
262ALN

W. OKLAHOMA AVENUE

S. 100TH ST.

S 101st ST

W4-3R(5)
1

W4-1
REMOVE

W4-3(3)
2
MOUNT ON
LIGHT POLE

4A
EXIT 2A
National Ave
1/4 MILE
EXIT ONLY
4
TYPE I SIGN
ON SIGN BRIDGE

CANTILEVER SIGN
BRIDGE S-40-861
STA 163+45

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

SHEET 1 OF 3

PROJECT NO: 1060-34-82	HWY: IH-894 - NORTHBOUND	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\d2_106034894\82\Sign\023201_ps.dgn PLOT DATE : 01-JUN-2015 09:05 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 100:1 WISDOT/CADDS SHEET 42

2

N

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

164NS 166NS 168NS 170NS 172NS 174NS 176NS

264ALN 266ALN 268ALN 270ALN 272ALN 274ALN 276ALN

PEDESTRIAN OVERHEAD

VMS

W. CLEVELAND AVE

EXISTING DMS
S-40-416

CANTILEVER SIGN
BRIDGE S-40-862
STA 275ALN+56

Cleveland Ave
2700 SOUTH (8)
TYPE II SIGN
MOUNT ON BRIDGE

Cleveland Ave
2700 SOUTH
REMOVE

Hospital
EXIT 2A (3)
MOVE
TYPE I SIGN
NEW STEEL POSTS

RIGHT LANE
MUST EXIT (5)
R3-33
TYPE II

EXIT
35
MPH (6)
W13-2C(5)
TYPE II

EXIT
35
M.P.H.
W13-2
REMOVE

EXIT 2A (9A)
National Avenue (9)
EXIT ONLY
TYPE I SIGN
ON S-40-862

EXIT 2A
National Avenue (7)
REMOVE
TYPE I SIGN
AND STEEL POSTS

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

SHEET 2 OF 3

PROJECT NO: 1060-34-82	HWY: IH-894 - NORTHBOUND	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 56	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

178NS 180NS 182NS 184NS 186NS 188NS 190NS 192NS

278ALN 280ALN

W. NATIONAL AVENUE

S 101st ST

EXIT 2A (10) E5-1A(5)

35 MPH (11) PLAQUE

EXIT 2A

REMOVE

SHEET 3 OF 3

PROJECT NO: 1060-34-82	HWY: IH-894 - NORTHBOUND	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET	E

FILE NAME : J:\projects\d2_106034894\82\Sign\023203_ps.dgn PLOT DATE : 29-MAY-2015 09:02 PLOT BY : MSCBXD PLOT NAME : PLOT SCALE : 100:1

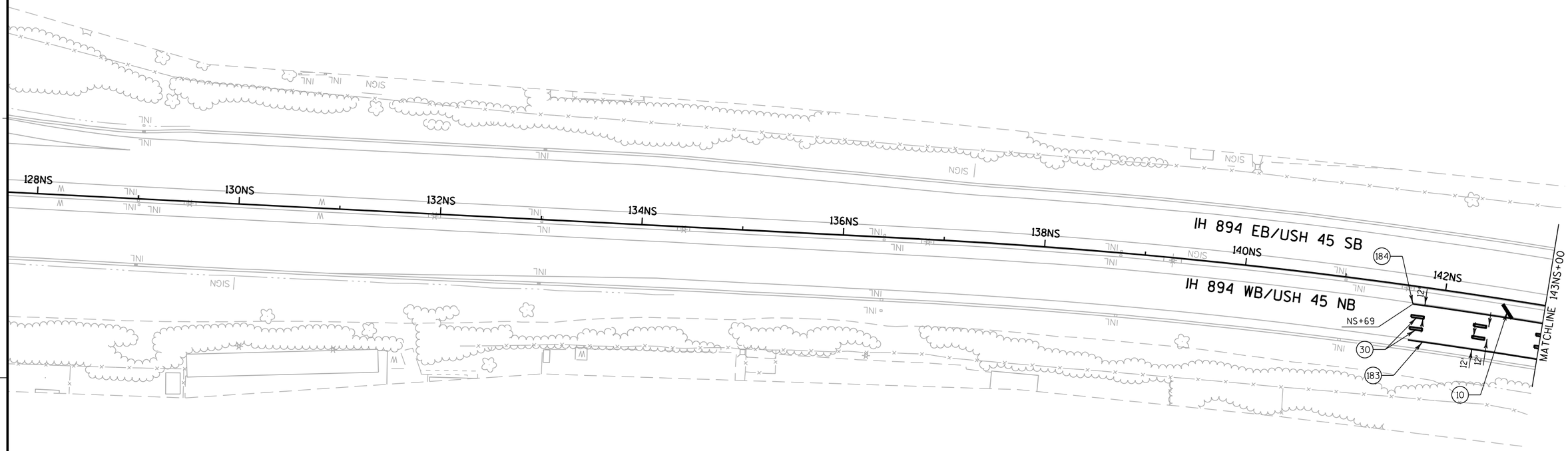
2

LEGEND

1	PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
2	PAVEMENT MARKING EPOXY 4-INCH (WHITE)
10	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
13	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH (WHITE)
29	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (WHITE)
30	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
39	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
57	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
69	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 24-INCH (WHITE)
70	PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 6-INCH (WHITE)
183	PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
184	PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (YELLOW)

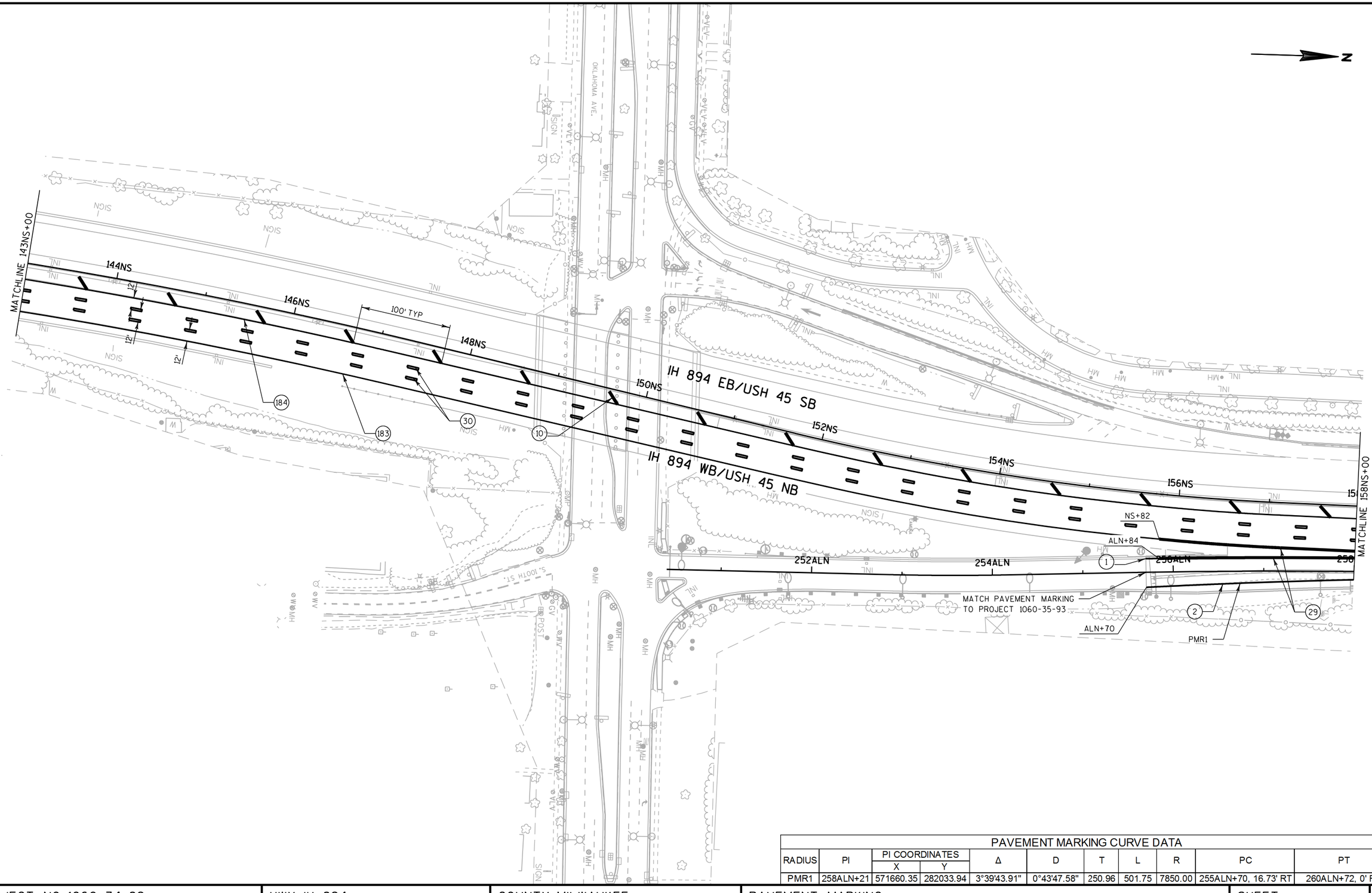
2

N



PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2



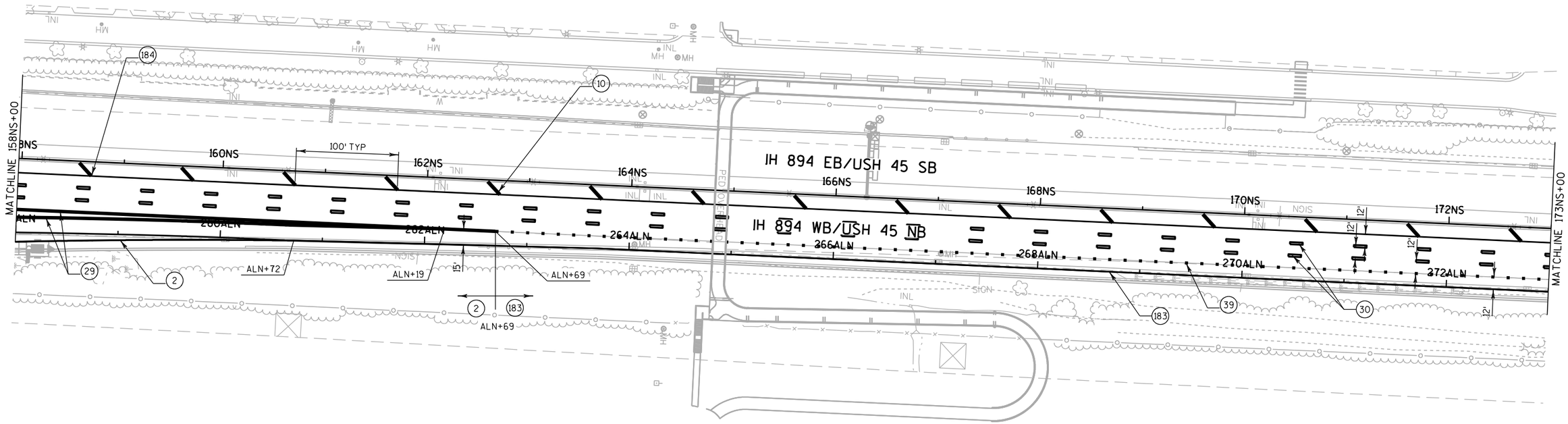
PAVEMENT MARKING CURVE DATA

RADIUS	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	R	PC	PT
PMR1	258ALN+21	571660.35	282033.94	3°39'43.91"	0°43'47.58"	250.96	501.75	7850.00	255ALN+70, 16.73' RT	260ALN+72, 0' RT

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2

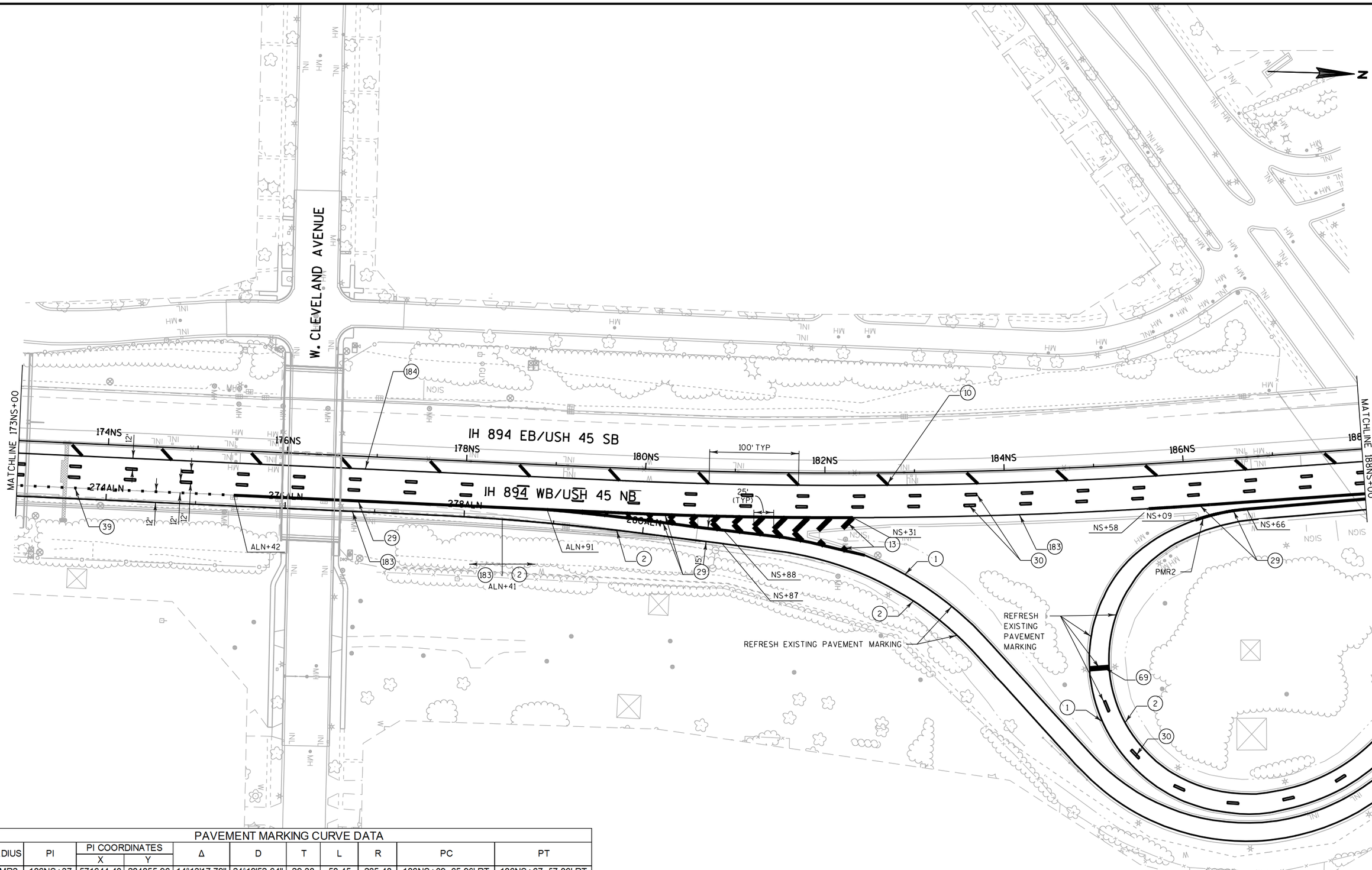
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PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\024503_pm.dgn PLOT DATE : 29-MAY-2015 11:22 PLOT BY : MSCD1S PLOT NAME : 024503_pm PLOT SCALE : 100:1

2



PAVEMENT MARKING CURVE DATA

RADIUS	PI	PI COORDINATES		Δ	D	T	L	R	PC	PT
		X	Y							
PMR2	186NS+37	571644.40	284855.96	14°13'17.79"	24°19'52.64"	29.38	58.45	235.48	186NS+09, 65.90' RT	186NS+67, 57.86' RT

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

2

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 188NS+00

190NS

192NS

194NS

196NS

198NS

200NS

202NS

100' TYP

12'

12'

NS+64

NS+63

NS+51

NS+36

NS+51

10

184

30

184

57

29

70

2

1

30

REFRESH EXISTING PAVEMENT MARKING

W. NATIONAL AVENUE

MATCH PAVEMENT MARKING TO PROJECT 1060-35-93

1

2

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\024505_pm.dgn PLOT DATE : 29-MAY-2015 11:22 PLOT BY : MSCD1S PLOT NAME : 024505_pm PLOT SCALE : 100:1

GENERAL NOTES FOR TRAFFIC CONTROL

1) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

2) A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER. FLAGGING IS NOT PERMITTED ON FREEWAY LANES.

3) ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

4) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

5) FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

6) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

7) DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER.

8) WORK AREAS SHOWN MAY NOT ILLUSTRATE ALL REMOVALS. SEE REMOVAL SHEETS FOR ADDITIONAL INFORMATION.

9) ALL TRAFFIC CONTROL SIGNS LOCATED IN MEDIANS SHALL BE MOUNTED ON CONCRETE BARRIER UNLESS OTHERWISE NOTED, SEE TRAFFIC CONTROL DETAILS.

10) WHEN A SEGMENT OF THE PROJECT IS NOT SHOWN ON THE STAGING PLANS, USE THE SAME TRAFFIC CONTROL AS THE PREVIOUS STAGE FOR THAT SEGMENT.

11) TRAFFIC CONTROL DRUM SPACING SHALL BE 50' UNLESS OTHERWISE NOTED.

12) 16" X 16" ORANGE FLAGS SHALL BE INCIDENTAL TO TRAFFIC CONTROL SIGN BID ITEM.

13) COORDINATE WITH PROJECT NUMBERS 1060-20-60, 1060-33-80, 1060-33-81, 1060-33-83, 1060-33-96, 1060-33-97, 1060-35-93, AND 1100-20-60.

14) REMOVE CONFLICTING PAVEMENT MARKING. SEE MISCELLANEOUS QUANTITIES "TRAFFIC CONTROL PAVEMENT MARKINGS"

15) ALL ITEMS ASSOCIATED WITH STORM SEWER CONSTRUCTION ARE SHOWN IN STORM SEWER STAGING PLANS.

LEGEND

- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FIXED MESSAGE SIGN GROUND MOUNT
- TRAFFIC CONTROL ARROW BOARD
- CC — CRASH CUSHION TEMPORARY
- CC — CRASH CUSHION TEMPORARY PLACED IN PRIOR STAGE
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL DRUM
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CONCRETE BARRIER TEMPORARY PRECAST PLACED IN PRIOR STAGE
- TRAFFIC FLOW ARROW
- WORK ZONE THIS STAGE
- WORK BY OTHERS

TEMPORARY PAVEMENT MARKING LEGEND

(1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

(2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)

(3) PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

(4) PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)

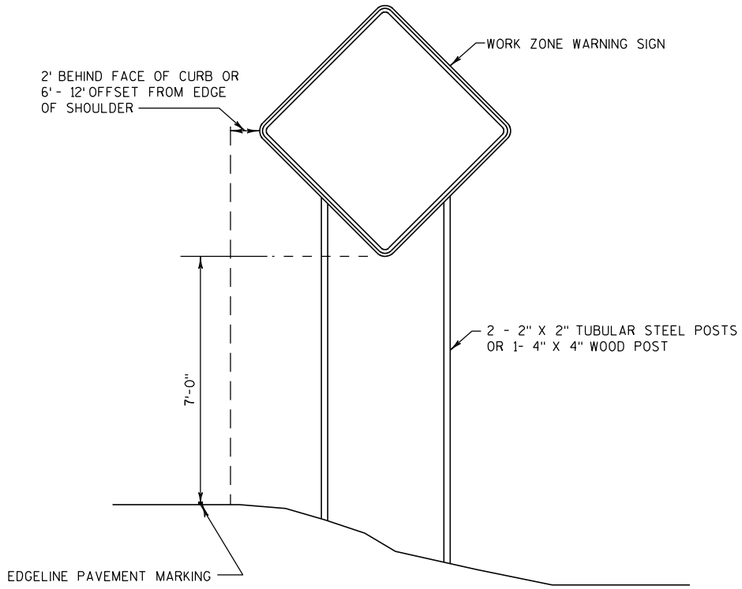
(5) PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)

(6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)

(P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN

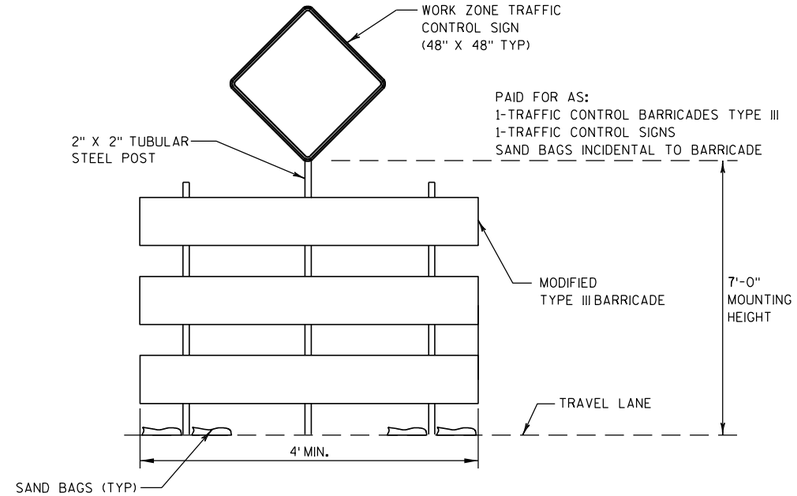
▶ TEMPORARY RAISED PAVEMENT MARKERS (ONE-WAY REFLECTOR)

▶ TEMPORARY RAISED PAVEMENT MARKERS (ONE-WAY REFLECTOR) PLACED IN PRIOR STAGE



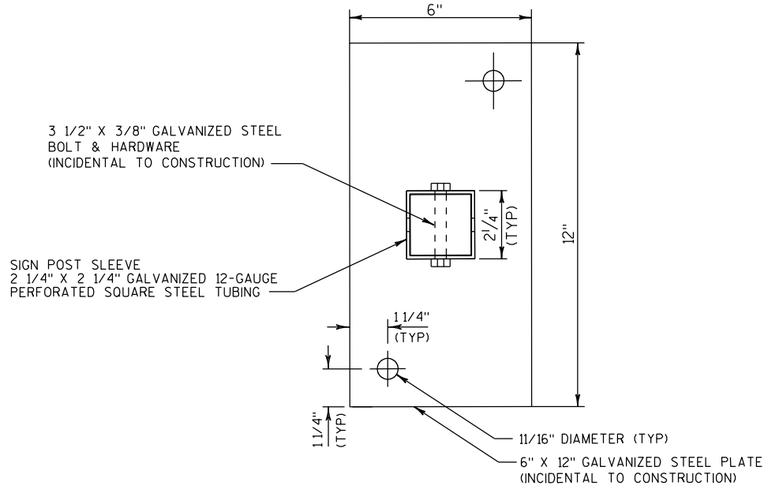
TYPICAL TEMPORARY TRAFFIC CONTROL SIGN
MOUNTING ON FIXED SUPPORT

LONG TERM
7 DAYS OR MORE

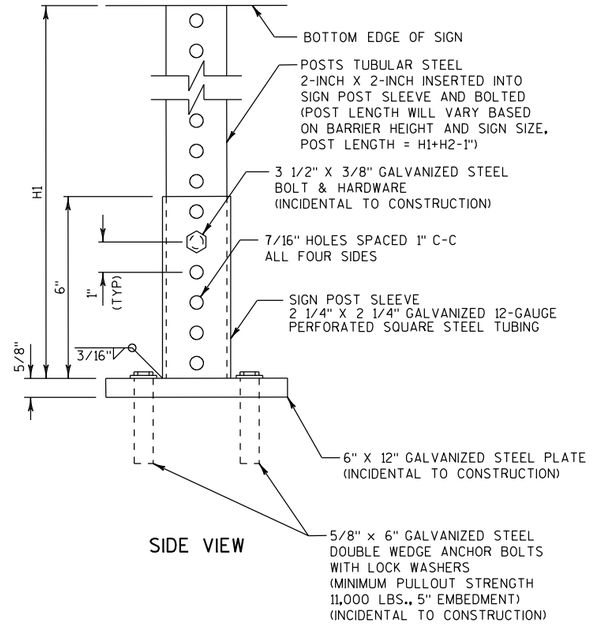


TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL
MOUNTING ON TEMPORARY SUPPORT

2

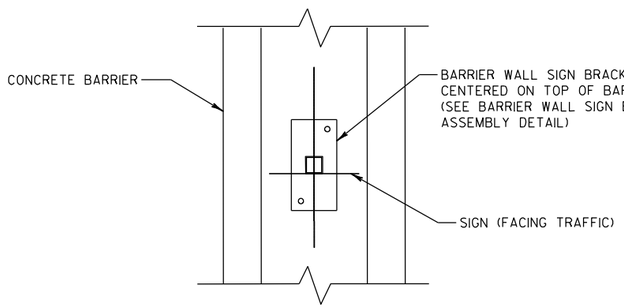


PLAN VIEW

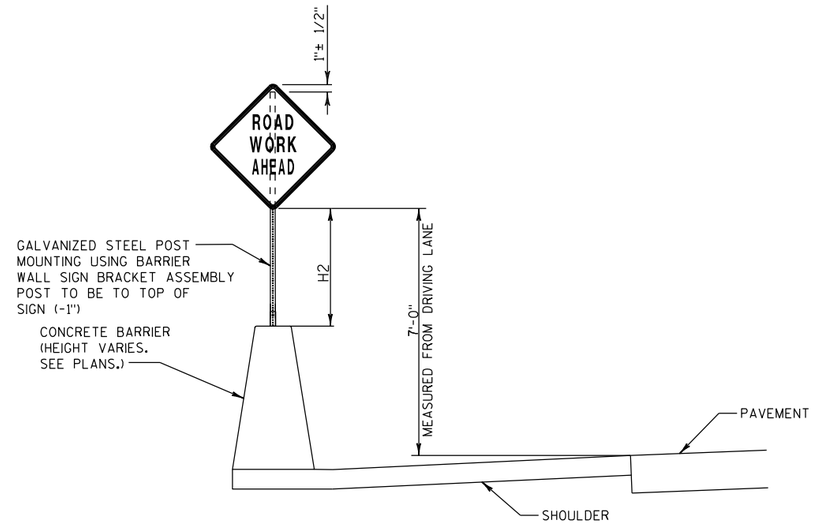


SIDE VIEW

BARRIER WALL SIGN BRACKET ASSEMBLY DETAIL



PLAN VIEW

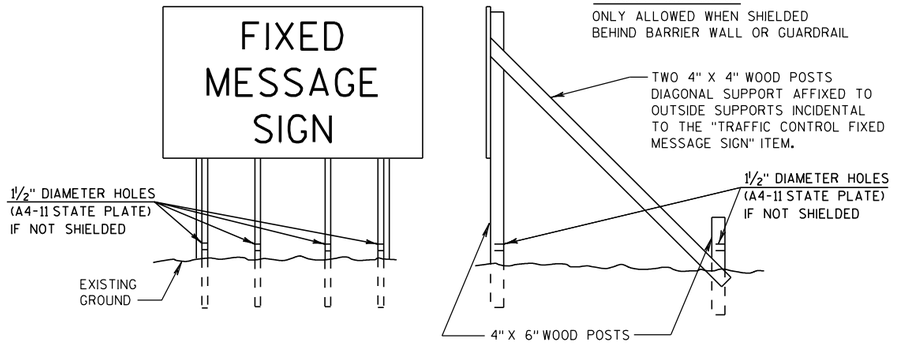


SIDE VIEW

MEDIAN BARRIER MOUNTING DETAIL

MOUNTING SIGNS TO MEDIAN BARRIER

NOT TO SCALE



FRONT VIEW

SIDE VIEW

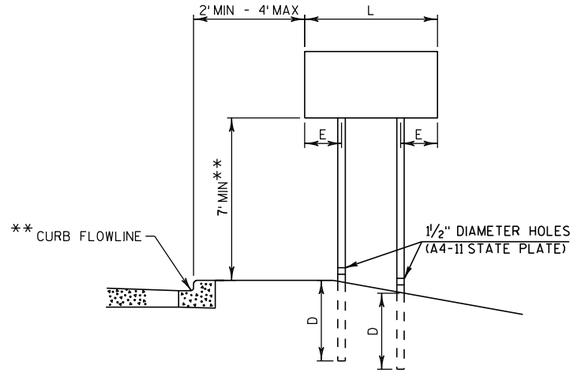
NOTES

1. SEE TRAFFIC CONTROL SHEETS FOR SIGN LOCATIONS.
2. SEE TABLES BELOW FOR REQUIRED NUMBER OF POSTS.

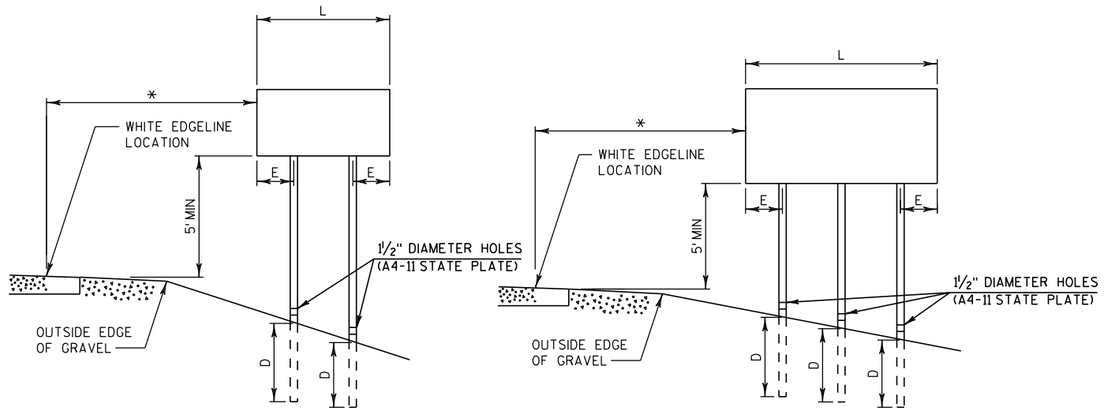
* 6' FROM EDGE OF A PAVED SHOULDER OR 12' FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER UNLESS DIRECTED BY PROJECT ENGINEER.

** THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5' MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

3. 4X6 WOOD POSTS SHALL HAVE TWO HOLES PER STATE PLATE A4-11.



URBAN AREA



RURAL AREA

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
GREATER THAN 48" LESS THAN 60"	12"
60" TO 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
GREATER THAN 120" LESS THAN 168"	12"

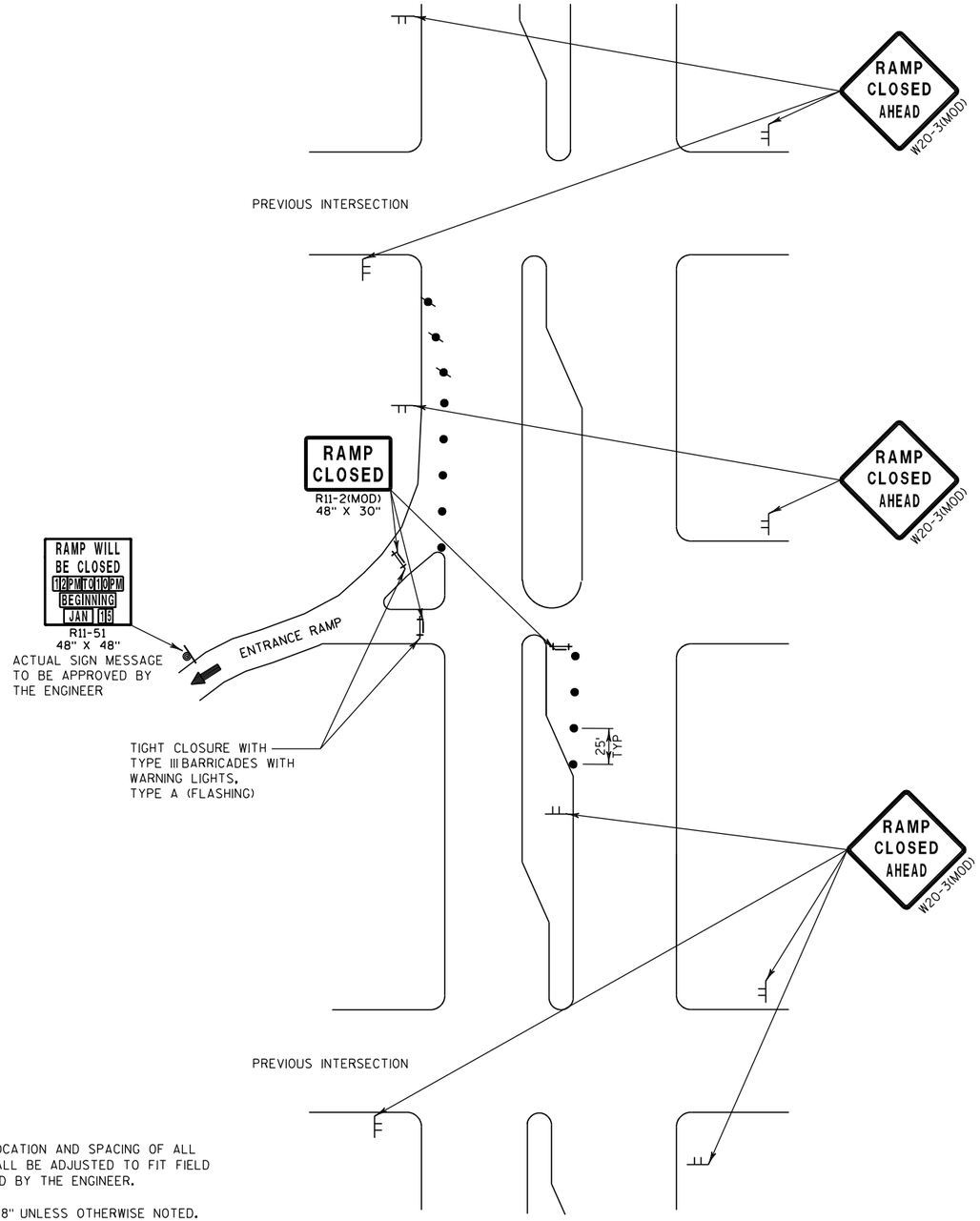
SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" AND GREATER	12"

POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

POST MOUNTING DETAIL FOR TRAFFIC CONTROL FIXED MESSAGE SIGNS

2



NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

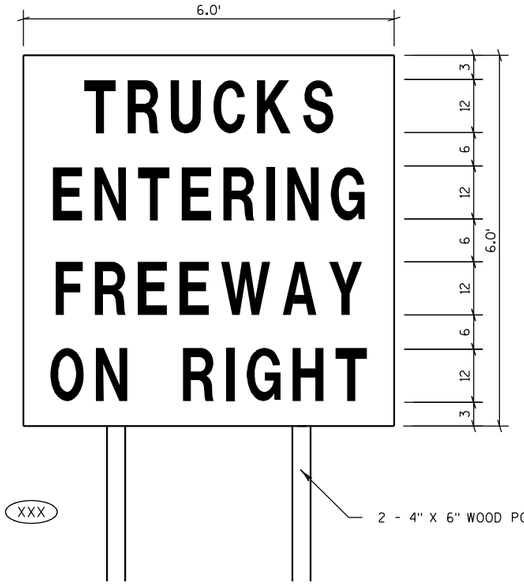
LEGEND

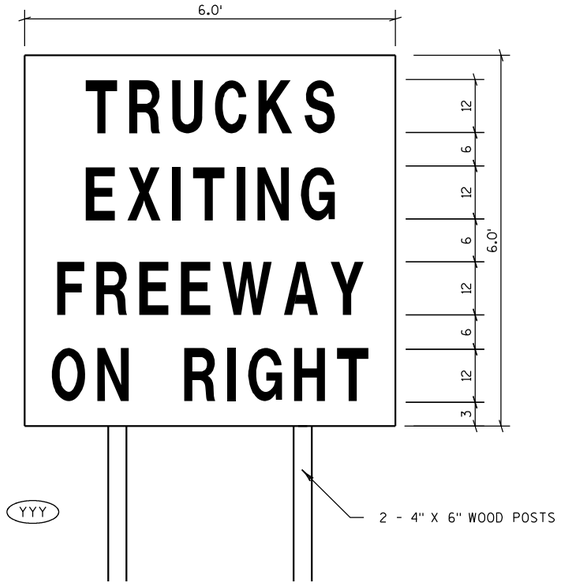
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL III BARRICADE
- TRAFFIC CONTROL III BARRICADE WITH LIGHT TYPE A AND ATTACHED SIGN
- DIRECTION OF TRAFFIC

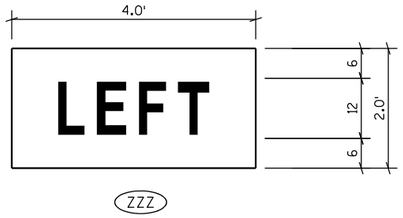
TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

(SHORT TERM ONLY)

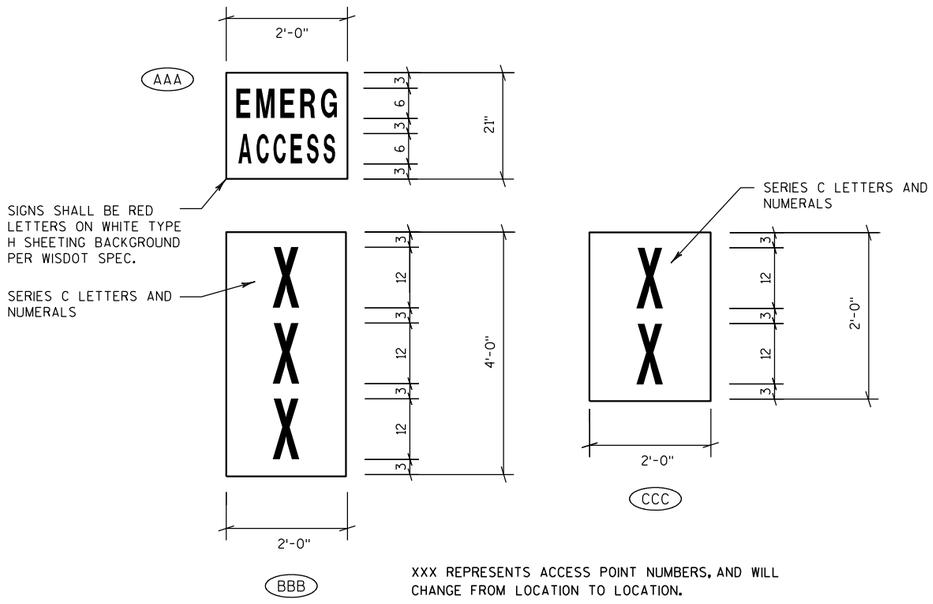
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAIL	SHEET	E







FIXED MESSAGE SIGNS



EMERGENCY ACCESS SIGNS

WORK ZONE INGRESS/EGRESS

NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.
2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"X2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.
3. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE".
4. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE TYPE F REFLECTIVE BACKGROUND UNLESS OTHERWISE NOTED.
5. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS: 12" AND 8" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C" UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
7. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2..
8. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

(XXX) = FIXED MESSAGE SIGN NUMBER

111015









NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.

2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"X2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.

3. POSTS SHALL MEET THE BREAKAWAY REQUIREMENTS OF SECTION 643.2.9.1 OF THE STANDARD SPECIFICATIONS AND SIGN PLATE A4-11.

4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE", UNLESS OTHERWISE NOTED.

5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE NOTED.

6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C".

7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

8. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2 AND 643.2.9.3.

9. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

10. ALL SIGNS NOT MOUNTED WITHIN THE EDGES OF ANOTHER SIGN SHALL HAVE A BORDER & RADIUS OF BORDER AS FOLLOWS:

    SIGN AREA
    GREATER THAN 150 SQ FEET = 3 INCH BORDER
    60 TO 150 SQ FEET = 2 INCH BORDER
    LESS THAN 60 SQ FEET = 1 INCH BORDER

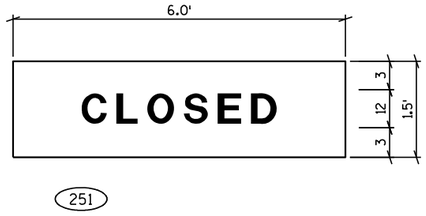
    RADIUS

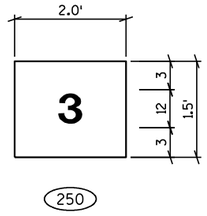
SMALLEST OUTSIDE DIMENSION OF SIGN	CORNER RADIUS
GREATER THAN 8 FEET	12 INCH RADIUS
GREATER THAN OR EQUAL TO 6 FEET	9 INCH RADIUS
GREATER THAN OR EQUAL TO 4 FEET	6 INCH RADIUS
LESS THAN 4 FEET	3 INCH RADIUS

(XXX) = FIXED MESSAGE SIGN NUMBER









NOTES

1. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE SIGNING AND MARKING SUPERVISOR SHALL VERIFY EACH SIGN LOCATION.

2. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN. STEEL POSTS (2"X2") MAY BE USED FOR SIGNS ON SURFACE STREETS. SIGNS WHERE NO POSTS ARE SHOWN TO BE MOUNTED ON EXISTING SIGNS. FOR SIGNS MOUNTED ON POSTS, USE POSTS FROM FHWA LIST OF ACCEPTED BREAKAWAY SIGN SUPPORTS.

3. POSTS SHALL MEET THE BREAKAWAY REQUIREMENTS OF SECTION 643.2.9.1 OF THE STANDARD SPECIFICATIONS AND SIGN PLATE A4-11.

4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS FIXED MESSAGE", UNLESS OTHERWISE NOTED.

5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE NOTED.

6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D", 6" CAPS SHALL BE SERIES "C".

7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

8. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2 AND 643.2.9.3.

9. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

10. ALL SIGNS NOT MOUNTED WITHIN THE EDGES OF ANOTHER SIGN SHALL HAVE A BORDER & RADIUS OF BORDER AS FOLLOWS:

    SIGN AREA
    GREATER THAN 150 SQ FEET = 3 INCH BORDER
    60 TO 150 SQ FEET = 2 INCH BORDER
    LESS THAN 60 SQ FEET = 1 INCH BORDER

    RADIUS

SMALLEST OUTSIDE DIMENSION OF SIGN	CORNER RADIUS
GREATER THAN 8 FEET	12 INCH RADIUS
GREATER THAN OR EQUAL TO 6 FEET	9 INCH RADIUS
GREATER THAN OR EQUAL TO 4 FEET	6 INCH RADIUS
LESS THAN 4 FEET	3 INCH RADIUS

(XXX) = FIXED MESSAGE SIGN NUMBER



STAGE 1A

CONSTRUCTION

- IH 894
  - CONSTRUCT RAMP ALN
  - BEGIN CONSTRUCTION OF S-40-861 AND S-40-862

TRAFFIC
  - MAINTAIN 3 LANES ON IH 894
  - ALL RAMPS OPEN

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A OVERVIEW	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026000_s1a.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026000_s1a PLOT SCALE : 400:1

2

N

IH 894/ USH 45 SB

IH 894/ USH 45 NB

128NS
130NS
132NS
134NS
136NS
138NS
140NS
142NS

NS+70.02
18.06' RT

1

2

12'
12'
12'
25'
TYP

MATCHLINE 143NS+00

W21-62
96" X 48"

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN

W21-62P
96" X 12"

$200 MINIMUM

LANES NARROW AHEAD
W20-1(MOD)

MAX. 11' WIDTH
W12-52

W1-4C

500'
500'
500'

ROAD WORK AHEAD
W20-1

RIGHT SHOULDER CLOSED AHEAD
W21-5B

RIGHT SHOULDER CLOSED
W21-5A

1600'
1000'

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1A CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026001_s1a.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026001_s1a PLOT SCALE : 100:1

2

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 143NS+00

144NS

146NS

148NS

150NS

152NS

154NS

156NS

MATCHLINE 158NS+00

252ALN

254ALN

256ALN

50' TYP

NS+71.49
4.71' RT

12'

11'

ROAD WORK AHEAD
W20-1

MAX. 11' WIDTH
W12-52

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1A CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026002_s1a.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026002_s1a PLOT SCALE : 100:1

2

2

N

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

MH

W

VH

CC

12'

11'

50' TYP

100'

1

2

3

5

6

NS+01.31
37.00' RT

NS+44.59
37.00' RT

NS+47.50
37.00' RT

W5-52R
12" X 36"

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1A CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026003_s1a.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026003_s1a PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 173NS+00

MATCHLINE 188NS+00

174NS

176NS

178NS

180NS

182NS

184NS

186NS

274ALN

276ALN

278ALN

280ALN

100'

50'
TYP

15'

11'

11'

11'

1

2

3

6

MOVING SIGNS TYPE I
"NATIONAL AVENUE EXIT 2A"

NS+50.45
37.00'RT

NS+08.10
37.00'RT

MOVING SIGNS TYPE II
"CLEVELAND AVE 2700 SOUTH"

NS+59.10
4.01'RT

END
ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1A CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026004_s1a.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026004_s1a PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 188NS+00

NS

190NS

192NS

194NS

196NS

198NS

200NS

202NS

100'

12'

12'

12'

12'

12'

12'

1

2

3

4

6

NS+07.82
14.00' RT

NS+08.55
50.00' RT

NS+63.56
50.00' RT

END
ROAD WORK
G20-2A
48" X 24"

W. NATIONAL AVENUE

W. LINCOLN AVENUE

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1A CONSTRUCTION	SHEET	E

2



STAGE 1B

CONSTRUCTION

- IH 894
  - CONTINUE CONSTRUCTION OF RAMP ALN
  - CONTINUE CONSTRUCTION OF S-40-861 AND S-40-862
  - PLACE PERMANENT PAVEMENT MARKING

TRAFFIC
  - MAINTAIN 3 LANES ON IH 894
  - CLOSE OKLAHOMA AVENUE ENTRANCE RAMP TO IH 894 NB
  - CLOSE NATIONAL AVENUE EXIT RAMP FROM IH 894 NB

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B OVERVIEW	SHEET	E

2

N

EXISTING SIGN

Beloit Road 1/2
National Ave CLOSED
Greenfield Ave 3

NOTE: THIS SIGN IS LOCATED ON MEDIAN POST 585' SOUTH OF W. HOWARD AVENUE BRIDGE FACING NB TRAFFIC.

INSTALL FIXED MESSAGE SIGN
251

INSTALL FIXED MESSAGE SIGN
251

EXISTING SIGN

National Ave CLOSED
Greenfield Ave 2 1/4
I 94 2 3/4

128NS 130NS 132NS 134NS 136NS 138NS 140NS 142NS 143NS+00

IH 894/ USH 45 SB

IH 894/ USH 45 NB

MATCHLINE

12' 12' 12' 12'

25' TYP

EXISTING SIGN EXIT 2A

National Ave
CLOSED

INSTALL FIXED MESSAGE SIGN
251

W21-62
96" X 48"

FINES DOUBLE IN WORK ZONES
Give 'em a BRAKE SLOW DOWN

W21-62P
96" X 12"

$200 MINIMUM

LANES NARROW AHEAD
W20-1 (MOD)

MAX. 11' WIDTH
W12-52

W1-4C

500' 500' 500'

ROAD WORK AHEAD
W20-1

RIGHT SHOULDER CLOSED AHEAD
W21-5B

RIGHT SHOULDER CLOSED
W21-5A

1600' 1000'

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1B CONSTRUCTION	SHEET	E

2

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 143NS+00

MATCHLINE 158NS+00

144NS

146NS

148NS

150NS

152NS

154NS

156NS

252ALN

254ALN

256ALN

50' TYP

EXISTING SIGN

COVER SIGN TYPE I

W5-52R
12" X 36"

PCMS

PCMS

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1B CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026102_s1b.dgn PLOT DATE : 20-JUL-2015 17:18 PLOT BY : MSCD1S PLOT NAME : 026102_s1b PLOT SCALE : 100:1

2

2

N

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

MH

2

MOVING SIGNS TYPE I
MOVE EXISTING "HOSPITAL EXIT 2A" SIGN
TO 1000' SOUTH OF NB EXIT TO BELOIT ROAD

HOSPITAL
EXIT 3

INSTALL FIXED MESSAGE SIGN
250

RAMP CLOSED AHEAD

RAMP CLOSED 1000 FT
W20-3(MOD)

1500'

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1B CONSTRUCTION	SHEET	E

2

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

N

IH 894 EB/USH 45 SB

MATCHLINE 173NS+00

MATCHLINE 188NS+00

174NS 176NS 178NS 180NS 182NS 184NS 186NS

274ALN 276ALN 278ALN 280ALN

25' TYP

IH 894 WB/USH 45 NB

EXISTING SIGN EXIT 2A

NATIONAL AVENUE CLOSED

COVER SIGN TYPE I

INSTALL FIXED MESSAGE SIGN

251

EXIT 2A

COVER SIGN TYPE I

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1B CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026104_s1b.dgn PLOT DATE : 21-JUL-2015 12:58 PLOT BY : MSCD1S PLOT NAME : 026104_s1b PLOT SCALE : 100:1

2

N

IH 894 EB/USH 45 SB

MATCHLINE 188NS+00

190NS

192NS

194NS

196NS

198NS

200NS

202NS

12'

12'

IH 894 WB/USH 45 NB

END ROAD WORK

G20-2A
48" X 24"

W. NATIONAL AVENUE

W. LINCOLN AVENUE

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 1B CONSTRUCTION	SHEET	E



STAGE 2

CONSTRUCTION

- IH 894
  - CONTINUE CONSTRUCTION OF S-40-861 AND S-40-862
  - COMPLETE RESTORATION WORK ON RAMP ALN

TRAFFIC
  - MAINTAIN 3 LANES ON IH 894
  - ALL RAMPS OPEN
  - NIGHTTIME CLOSURES ALLOWED

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2 OVERVIEW	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026200_s2.dgn PLOT DATE : 20-JUL-2015 17:19 PLOT BY : MSCD1S PLOT NAME : 026200_s2 PLOT SCALE : 400:1

2

2

W. OKLAHOMA AVENUE

W. MANITOBA STREET

S. 101ST STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

144NS

146NS

148NS

150NS

152NS

154NS

156NS

252ALN

254ALN

256ALN

MATCHLINE 158NS+00

12'

12'

12'

12'

P

P

N

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 2 CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026201_s2.dgn PLOT DATE : 20-JUL-2015 17:19 PLOT BY : MSCD1S PLOT NAME : 026201_s2 PLOT SCALE : 100:1

2

2

N

W. DAKOTA STREET

S. 101ST STREET

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 158NS+00

MATCHLINE 173NS+00

158NS

160NS

162NS

164NS

166NS

168NS

170NS

172NS

260ALN

262ALN

264ALN

266ALN

268ALN

270ALN

272ALN

12'

352 INSTALL FIXED MESSAGE SIGN

NATIONAL AVE
1/4 MILE

RIGHT LANE
EXIT ONLY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 2 CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026202_s2.dgn PLOT DATE : 20-JUL-2015 17:19 PLOT BY : MSCD1S PLOT NAME : 026202_s2 PLOT SCALE : 100:1

2

2

W. CLEVELAND AVENUE

W. NATIONAL AVENUE

N

IH 894 EB/USH 45 SB

IH 894 WB/USH 45 NB

MATCHLINE 173NS+00

MATCHLINE 188NS+00

174NS

176NS

178NS

180NS

182NS

184NS

186NS

274ALN

276ALN

278ALN

280ALN

12'

15'

P

INSTALL FIXED MESSAGE SIGN 353

NATIONAL AVENUE

RIGHT LANE EXIT ONLY

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 2 CONSTRUCTION	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\026203_s2.dgn PLOT DATE : 20-JUL-2015 17:19 PLOT BY : MSCD1S PLOT NAME : 026203_s2 PLOT SCALE : 100:1

2

2

N

IH 894 EB/USH 45 SB

MATCHLINE 188NS+00

188NS

190NS

192NS

194NS

196NS

198NS

200NS

202NS

12'

12'

12'

12'

IH 894 WB/USH 45 NB

W. NATIONAL AVENUE

P

MH

W

A/C

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	STAGE 2 CONSTRUCTION	SHEET	E

(1)

M4-5 24" X 12" | TO WEST | TO NORTH | M4-5 24" X 12"

M3-4 24" X 12" | M3-1 24" X 12"

M1-1A 30" X 24" | INTERSTATE 894 | AUXILIARY 41 | M1-1 24" X 24"

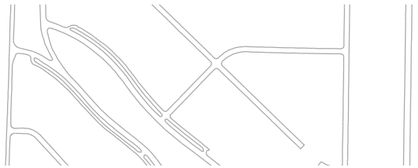
45 M1-4 24" X 24"

(A)	(C)	(E)	(G)
M06-1 21" X 21"	M06-1 21" X 21"	M06-1 21" X 21"	M06-2 21" X 21"

(B)	(D)	(F)	(H)
M05-1R 21" X 21"	M05-1L 21" X 21"	M05-2R 21" X 21"	M05-2L 21" X 21"

(980)

OKLAHOMA AVE
RAMP CLOSED TO
894 41 45 NORTH
FOLLOW DETOUR



GENERAL NOTES

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

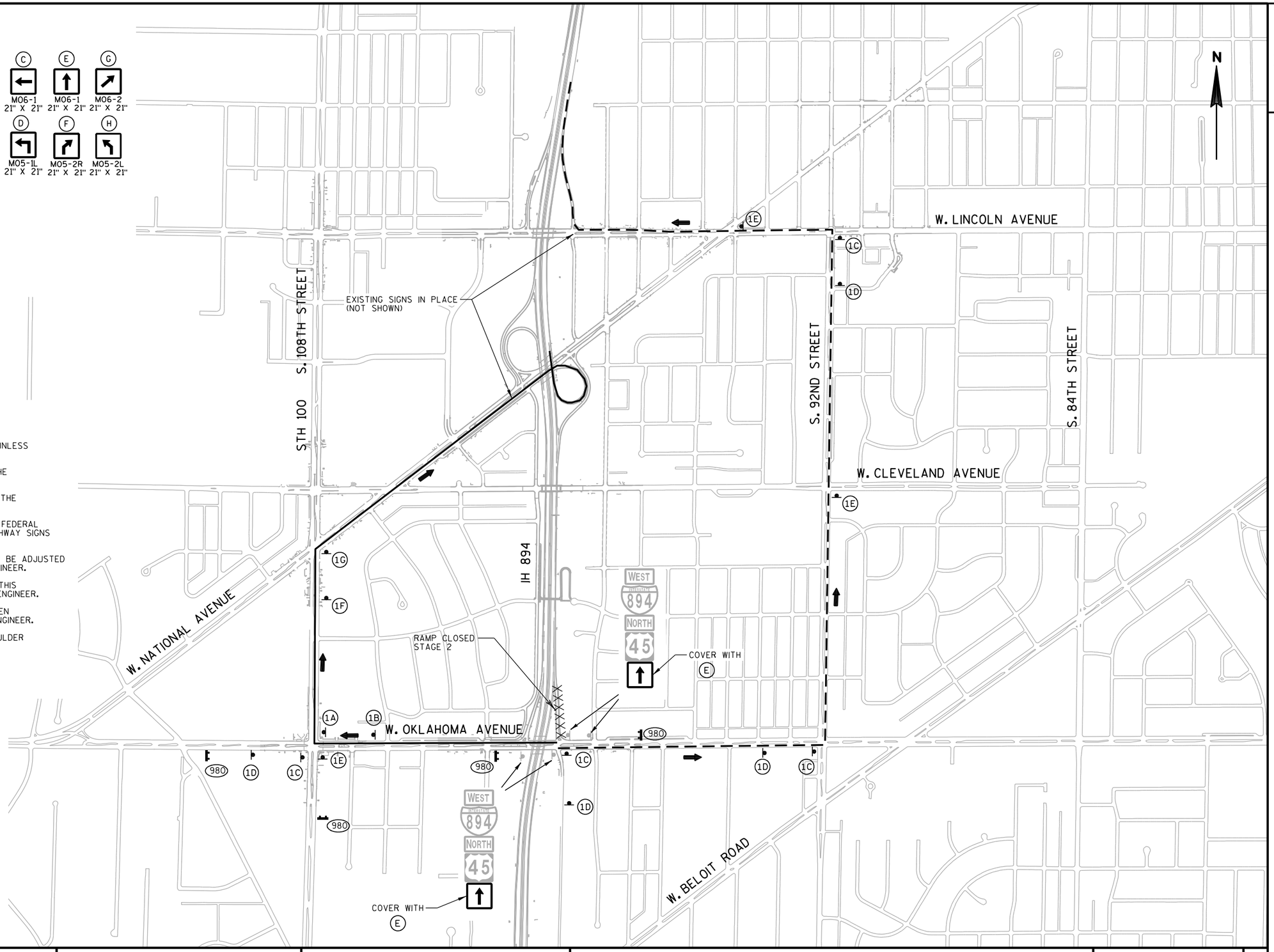
ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.

LEGEND

- EXISTING SIGN POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FIXED MESSAGE SIGN GROUND MOUNT
- TRAFFIC CONTROL DETOUR SIGNS
- FIXED MESSAGE SIGN NUMBER
- DETOUR ROUTE
- SECONDARY DETOUR ROUTE
- WEST — EXISTING SIGN
- XXX — CLOSURE
- TRAFFIC FLOW ARROW
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- WORK ZONE



PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	DETOUR - IH 894 NB OKLAHOMA AVENUE ENTRANCE RAMP CLOSURE	SHEET	E

LEGEND

- EXISTING SIGN POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- FIXED MESSAGE SIGN GROUND MOUNT
- TRAFFIC CONTROL DETOUR SIGNS
- FIXED MESSAGE SIGN NUMBER
- DETOUR ROUTE
- SECONDARY DETOUR ROUTE
- HOSPITAL DETOUR ROUTE
- WEST EXISTING SIGN
- XXX CLOSURE
- TRAFFIC FLOW ARROW
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- WORK ZONE

N

W. NATIONAL AVENUE

STH 100 S. 108TH STREET

UNION PACIFIC RAILROAD

W. GREENFIELD AVENUE

W. HOWARD AVENUE

W. OKLAHOMA AVENUE

IH 894

EXIT TO NATIONAL AVE CLOSED AHEAD USE BELOIT RD (984)

W. BELOIT ROAD

RAMP CLOSED STAGE 2 SEE SDD "TRAFFIC CONTROL EXIT RAMP CLOSURE"

S. 92ND STREET

W. CLEVELAND AVENUE

W. LINCOLN AVENUE

S. 84TH STREET

GENERAL NOTES

ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.

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ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

LOCATION AND SPACING OF SIGNS AND DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.

INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED ROADWAY.

(1) TO NATIONAL AVE (982) — M4-5 24" X 12"

(2) TO NATIONAL AVE (983) — M4-5 36" X 18"

(4) TO H — M4-5 24" X 12", D9-2 24" X 24"

A M06-1 21" X 21"	C M06-1 21" X 21"	E M06-1 21" X 21"	G M06-2 21" X 21"	
B M05-1R 21" X 21"	D M05-1L 21" X 21"	F M05-2R 21" X 21"	H M05-2L 21" X 21"	
I M06-1 30" X 30"	K M06-1 30" X 30"	M M06-1 30" X 30"	R M06-2 30" X 30"	
J M05-1R 30" X 30"	L M05-1L 30" X 30"	N M05-2R 30" X 30"	P M05-2L 30" X 30"	

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	DETOUR - IH 894 NB NATIONAL AVENUE EXIT RAMP CLOSURE	SHEET E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\027002_dt.dgn PLOT DATE : 27-MAY-2015 08:33 PLOT BY : MSCD1S PLOT NAME : 027002_dt PLOT SCALE : 1200:1

WISDOT/CADDS SHEET 42

DATE 27JUL15 — E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1060-34-82 QUANTITY
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0003	201.0105	Clearing	STA	5.000	5.000
0005	201.0205	Grubbing	STA	5.000	5.000
0047	204.0100	Removing Pavement **P**	SY	3,925.000	3,925.000
0053	204.0157	Removing Concrete Barrier **P**	LF	380.000	380.000
0054	204.0165	Removing Guardrail **P**	LF	215.000	215.000
0056	204.0195	Removing Concrete Bases	EACH	1.000	1.000
0057	204.0210	Removing Manholes	EACH	2.000	2.000
0058	204.0220	Removing Inlets	EACH	12.000	12.000
0059	204.0245	Removing Storm Sewer (size) 0001. 12-Inch	LF	138.000	138.000
0063	204.0245	Removing Storm Sewer (size) 0005. 24-Inch	LF	8.000	8.000
0077	205.0100	Excavation Common **P**	CY	10,060.000	10,060.000
0109	305.0120	Base Aggregate Dense 1 1/4-Inch **P**	TON	7,050.000	7,050.000
0112	312.0115	Select Crushed Material **P**	CY	3,475.000	3,475.000
0125	440.4410.S	Incentive IRI Ride	DOL	3,280.000	3,280.000
0127	455.0105	Asphaltic Material PG58-28	TON	136.000	136.000
0129	455.0140	Asphaltic Material PG64-28P	TON	41.000	41.000
0131	455.0605	Tack Coat	GAL	621.000	621.000
0133	460.1110	HMA Pavement Type E-10	TON	2,260.000	2,260.000
0135	460.1700	HMA Pavement Type SMA	TON	695.000	695.000
0136	460.2000	Incentive Density HMA Pavement	DOL	1,891.000	1,891.000
0405	520.8000	Concrete Collars for Pipe	EACH	4.000	4.000
0431	601.0331	Concrete Curb & Gutter 31-Inch **P**	LF	35.000	35.000
0435	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	90.000	90.000
0441	603.1142	Concrete Barrier Type S42 **P**	LF	455.000	455.000
0447	603.1442	Concrete Barrier Type S42C **P**	LF	675.000	675.000
0448	603.1456	Concrete Barrier Type S56C **P**	LF	1,325.000	1,325.000
0454	603.8000	Concrete Barrier Temporary Precast Delivered	LF	3,347.000	3,347.000
0455	603.8125	Concrete Barrier Temporary Precast Installed	LF	3,347.000	3,347.000
0460	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	256.000	256.000
0462	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	25.000	25.000
0488	611.0642	Inlet Covers Type MS	EACH	6.000	6.000
0489	611.0654	Inlet Covers Type V	EACH	10.000	10.000
0497	611.3003	Inlets 3-FT Diameter	EACH	8.000	8.000
0498	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0501	611.3901	Inlets Median 1 Grate	EACH	4.000	4.000
0502	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0513	614.0905	Crash Cushions Temporary	EACH	2.000	2.000
0517	614.2500	MGS Thrie Beam Transition	LF	40.000	40.000
0526	619.1000	Mobilization	EACH	0.010	0.010
0529	623.0200	Dust Control Surface Treatment	SY	8,360.000	8,360.000
0530	624.0100	Water	MGAL	55.000	55.000
0531	625.0100	Topsoil **P**	SY	2,560.000	2,560.000
0535	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0536	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0537	628.2004	Erosion Mat Class I Type B	SY	2,560.000	2,560.000
0542	628.7005	Inlet Protection Type A	EACH	38.000	38.000
0544	628.7015	Inlet Protection Type C	EACH	18.000	18.000

3

DATE 27JUL15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1060-34-82 QUANTITY
0545	628.7020	Inlet Protection Type D	EACH	26.000	26.000
0546	628.7504	Temporary Ditch Checks	LF	195.000	195.000
0547	628.7560	Tracking Pads	EACH	6.000	6.000
0550	629.0210	Fertilizer Type B	CWT	2.000	2.000
0551	630.0130	Seeding Mixture No. 30	LB	50.000	50.000
0553	630.0200	Seeding Temporary	LB	35.000	35.000
0570	633.0500	Delineator Reflectors	EACH	25.000	25.000
0571	633.1000	Delineator Brackets	EACH	25.000	25.000
0573	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	5.000	5.000
0575	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	7.000	7.000
0578	635.0200	Sign Supports Structural Steel HS	LB	1,600.000	1,600.000
0579	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	2.000	2.000
0580	636.0100	Sign Supports Concrete Masonry **P**	CY	24.200	24.200
0581	636.0500	Sign Supports Steel Reinforcement	LB	268.000	268.000
0583	636.1500	Sign Supports Steel Coated Reinforcement HS	LB	2,160.000	2,160.000
0585	637.1220	Signs Type I Reflective SH	SF	330.500	330.500
0587	637.2210	Signs Type II Reflective H	SF	73.250	73.250
0589	637.2230	Signs Type II Reflective F	SF	68.000	68.000
0590	638.2101	Moving Signs Type I	EACH	4.000	4.000
0591	638.2102	Moving Signs Type II	EACH	4.000	4.000
0592	638.2601	Removing Signs Type I	EACH	3.000	3.000
0593	638.2602	Removing Signs Type II	EACH	9.000	9.000
0594	638.3000	Removing Small Sign Supports	EACH	11.000	11.000
0595	638.3100	Removing Structural Steel Sign Supports	EACH	6.000	6.000
0621	641.1200	Sign Bridge Cantilevered (structure) 0031. S-40-861	LS	1.000	1.000
0622	641.1200	Sign Bridge Cantilevered (structure) 0032. S-40-862	LS	1.000	1.000
0655	643.0200	Traffic Control Surveillance and Maintenance (project) 0002. 1060-34-82	DAY	86.000	86.000
0656	643.0300	Traffic Control Drums	DAY	6,096.000	6,096.000
0658	643.0420	Traffic Control Barricades Type III	DAY	141.000	141.000
0661	643.0705	Traffic Control Warning Lights Type A	DAY	364.000	364.000
0662	643.0715	Traffic Control Warning Lights Type C	DAY	400.000	400.000
0663	643.0800	Traffic Control Arrow Boards	DAY	99.000	99.000
0664	643.0900	Traffic Control Signs	DAY	1,561.000	1,561.000
0665	643.0910	Traffic Control Covering Signs Type I	EACH	3.000	3.000
0666	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
0667	643.1000	Traffic Control Signs Fixed Message	SF	857.500	857.500
0668	643.1050	Traffic Control Signs PCMS	DAY	90.000	90.000
0671	643.2000	Traffic Control Detour (project) 0002. 1060-34-82	EACH	1.000	1.000
0672	643.3000	Traffic Control Detour Signs	DAY	5,656.000	5,656.000
0676	646.0106	Pavement Marking Epoxy 4-Inch	LF	22,009.000	22,009.000
0677	646.0126	Pavement Marking Epoxy 8-Inch	LF	627.000	627.000
0678	646.0600	Removing Pavement Markings	LF	33,460.000	33,460.000
0679	646.0841.S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch **P**	LF	2,901.000	2,901.000
0680	646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch **P**	LF	4,123.000	4,123.000
0682	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch **P**	LF	8,711.000	8,711.000
0688	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	913.000	913.000

3

DATE 27JUL15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1060-34-82 QUANTITY
0689	647.0746	Pavement Marking Diagonal Epoxy 24-Inch	LF	253.000	253.000
0695	649.2100	Temporary Raised Pavement Markers	EACH	282.000	282.000
0697	652.0125	Conduit Rigid Metallic 2-Inch	LF	10.000	10.000
0699	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	20.000	20.000
0700	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	446.000	446.000
0705	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000
0709	653.0140	Pull Boxes Steel 24x42-Inch	EACH	1.000	1.000
0712	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0724	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	402.000	402.000
0729	655.0630	Electrical Wire Lighting 4 AWG	LF	1,305.000	1,305.000
0762	656.0500	Electrical Service Breaker Disconnect Box (location) 2016. CB-CCTV-40-0033	LS	1.000	1.000
0777	659.0802	Plaques Sequence Identification	EACH	2.000	2.000
0786	670.0100	Field System Integrator 2021. FTMS	LS	1.000	1.000
0789	670.0200	ITS Documentation 2021. FTMS	LS	1.000	1.000
0795	672.0250	Base Camera Pole 50-FT	EACH	1.000	1.000
0799	673.0225.S	Install Pole Mounted Cabinet	EACH	1.000	1.000
0801	674.0300	Remove Cable	LF	4,050.000	4,050.000
0810	677.0100	Install Camera Pole	EACH	1.000	1.000
0811	677.0200	Install Camera Assembly	EACH	1.000	1.000
0812	677.9051.S	Removing 50-FT Camera Pole	EACH	1.000	1.000
0813	677.9200.S	Removing CCTV Camera	EACH	1.000	1.000
0814	678.0006	Install Fiber Optic Cable Outdoor Plant 6-CT	LF	1,355.000	1,355.000
0817	678.0400	Fiber Optic Termination	EACH	18.000	18.000
0819	678.0500	Communication System Testing 2021. FTMS	LS	1.000	1.000
0822	690.0250	Sawing Concrete	LF	2,480.000	2,480.000
0827	SPV.0035	Special 0100. EBS Excavation	CY	1,515.000	1,515.000
0828	SPV.0035	Special 0101. EBS Backfill	CY	1,515.000	1,515.000
0841	SPV.0060	Special 0003. Exposing Existing Infrastructure Paved Area	EACH	2.000	2.000
0842	SPV.0060	Special 0004. Exposing Existing Infrastructure Unpaved Area	EACH	2.000	2.000
0906	SPV.0060	Special 0406. Mobilizations Emergency Pavement Repair	EACH	5.000	5.000
0948	SPV.0060	Special 2001. Ground Rod	EACH	1.000	1.000
0990	SPV.0060	Special 2050. INSTALL FIBER OPTIC MEDIA CONVERTER	EACH	2.000	2.000
0991	SPV.0060	Special 2052. Multi-cell Conduit Connection	EACH	1.000	1.000
1047	SPV.0060	Special 8005. Cover Plates Left In Place	EACH	2.000	2.000
1051	SPV.0060	Special 8015. Pipe Connection To Existing Structure	EACH	6.000	6.000
1054	SPV.0060	Special 8052. Removing Welds from Sewer Access Covers	EACH	10.000	10.000
1057	SPV.0060	Special 8080. Welding Sewer Access Covers	EACH	10.000	10.000
1064	SPV.0075	Special 0003. Pavement Cleanup Project 1060-34-82	HRS	100.000	100.000
1069	SPV.0075	Special 4215. Obstructions Sign Supports Concrete Masonry	HRS	2.000	2.000
1090	SPV.0090	Special 0126. Pipe Underdrain 6-Inch Special	LF	2,489.000	2,489.000

3

DATE 27JUL15 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1060-34-82 QUANTITY
1096	SPV.0090	Special 0301. Pavement Marking Grooved Preformed Thermoplastic Stop Line, 24-Inch	LF	22.000	22.000
1097	SPV.0090	Special 0302. Pavement Marking Grooved Preformed Thermoplastic Crosswalk, 6-Inch	LF	63.000	63.000
1156	SPV.0105	Special 0007. Survey Project 1060-34-82	LS	1.000	1.000
1184	SPV.0135	Special 0001. Vibration Monitoring	MON	5.000	5.000
1210	SPV.0195	Special 0120. HMA Longitudinal Joint Repair	TON	40.000	40.000

3

CLEARING AND GRUBBING ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
1000	1	IH 894/USH 45 NB						
			255ALN+00	-	260ALN+00	40' RT	5	5
		TOTALS					5	5

REMOVING PAVEMENT

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	204.0100 REMOVING PAVEMENT SY
		MAINLINE					
1000	1	IH 894/USH 45 NB					
			255ALN+70	-	280ALN+60	RT/LT	3,925
		TOTAL					3,925

REMOVING CONCRETE BARRIER

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0157 REMOVING CONCRETE BARRIER LF
		MAINLINE					
1000	1	IH 894/USH 45 NB					
			263ALN+35	1' RT	264ALN+91	2' LT	157
			274ALN+42	1' LT	276ALN+65	3' LT	223
		SUBTOTAL					380
		TOTALS					380

3

REMOVING GUARDRAIL

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0165 REMOVING GUARDRAIL LF
		MAINLINE					
1000	1	IH 894/USH 45 NB					
			255ALN+33	20' RT	255ALN+78	20' RT	45
			262ALN+52	2' RT	263ALN+35	1' RT	85
			273ALN+59	1' RT	274ALN+42	1' LT	85
		SUBTOTAL					215
		TOTAL					215

SAWING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	690.0250 SAWING CONCRETE LF
1000	1	IH 894/USH 45 NB					
			255ALN+70	-	280ALN+60	RT/LT	2,480
		SUBTOTALS					2,480
		TOTALS					2,480

REMOVING INLETS

STAGE	ROADWAY	STATION	OFFSET	204.0220 REMOVING INLETS EACH
1A	**MAINLINE**			
	IH 894/USH 45 NB			
		267ALN+02	3'LT	1
		270ALN+05	3'LT	1
		272ALN+79	3'LT	1
		275ALN+43	10'LT	1
		275ALN+45	4'RT	1
		275ALN+93	11'LT	1
		276ALN+43	11'LT	1
	SUBTOTAL			7
1B	**MAINLINE**			
	IH 894/USH 45 NB			
		260ALN+05	0'RT	1
		264ALN+05	2'LT	1
		279ALN+14	3'RT	1
		279ALN+14	1'LT	1
		280ALN+12	0'RT	1
	SUBTOTAL			5
	TOTAL			12

ALL ITEMS CATEGORY 1000

REMOVING STORM SEWER

STAGE	ROADWAY	STATION	TO	STATION	OFFSET	204.0245.0001 REMOVING STORM SEWER 12-INCH LF	204.0245.0005 REMOVING STORM SEWER 24-INCH LF
1A	**MAINLINE**						
	IH 894/USH 45 NB						
		266ALN+95		267ALN+02	LT/RT	14	---
		267ALN+03		267ALN+04	LT	4	---
		270ALN+05		270ALN+05	LT	4	---
		272ALN+79		272ALN+79	LT	5	---
		275ALN+43		275ALN+44	LT/RT	11	---
	SUBTOTAL					38	--
1B	**MAINLINE**						
	IH 894/USH 45 NB						
		260ALN+05		260ALN+05	LT	4	---
		264ALN+05		264ALN+05	LT/RT		8
		279ALN+14		279ALN+14	RT	1	---
		279ALN+15		280ALN+10	LT/RT	95	---
	SUBTOTAL					101	8
	TOTALS					138	8

ALL ITEMS CATEGORY 1000

3

Division	From/To Station	Location	205.0100 Excavation Common (CY) (1)	SPV. 0035.0100 EBS Excavation (CY) (3)	Salvaged/ Unusable Pavement Material	Available Material (4)	SPV. 0035.0101 EBS Backfill (CY) (3)	Unexpanded Fill	Expanded Fill (5)	Mass Ordinate +/- (6)	Waste	Borrow	Comment:
			Cut (2)				Factor 1.00		Factor 1.20			Item 208.0100	
1	255+70 TO 280+60	MAINLINE IH 894/USH 45 NB	10,060	1,515	1,024	9,036	1,515	202	243	8,794	8,794	0	
Division 1 Subtotal Stage 1			10,060	1,515	1,024	9,036	1,515	202	243	8,794	8,794	0	
Total			10,060	1,515	1,024	9,036	1,515	202	243	8,794	8,794	0	

NOTES:

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation SPV.00350100 (CY) to be backfilled with EBS Backfill SPV.0035.0101 (CY).
   All EBS Excavation to be wasted offsite. EBS Backfill Factor = 1.00.
   Actual extents and depths of EBS Excavation will be determined by the engineer in the field.
4) Available Material = Cut - Salvaged/Unusuable Pavement Material
5) Expanded Fill. Factor = 1.20 Expanded Fill = Unexpanded Fill * Fill Factor
6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.
7) A soil expansion factor of 1.2 was used to generate estimated earthwork quantities. Due to potential soil variability, actual quantities may vary. No quantity adjustments will be made for differing soil explansion factors encountered in the field.

BASE AGGREGATE ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0115 SELECT CRUSHED MATERIAL CY
		MAINLINE					
1000	1A	IH 894/USH 45 NB				--	
			265ALN+78	-	276ALN+45	2,549	1,266
		SUBTOTALS				2,549	1,266
		MAINLINE					
1000	1B	IH 894/USH 45 NB					
			255ALN+70	-	260ALN+25	1,978	956
			260ALN+25	-	265ALN+78	1,439	714
			276ALN+45	-	280ALN+60	1,084	539
SUBTOTALS						4,501	2,209
TOTALS						7,050	3,475

AGGREGATE UNIT WEIGHTS USED	
Base Aggregate Dense (TONS/CY)	2.0

ASPHALTIC ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	455.0105 ASPHALTIC MATERIAL PG 58-28 TON	455.0140 ASPHALTIC MATERIAL PG 64-28P TON	455.0605 TACK COAT GAL	460.1110 HMA PAVEMENT TYPE E-10 TON	460.1700 HMA PAVEMENT TYPE SMA TON	460.2000 INCENTIVE DENSITY HMA PAVEMENT DOL
		MAINLINE									
1000	1A	IH 894/USH 45 NB									
			265ALN+78	-	276ALN+45	47	14	213	777	239	650
		SUBTOTALS				47	14	213	777	239	650
		MAINLINE									
1000	1B	IH 894/USH 45 NB									
			255ALN+70	-	265ALN+78	68	21	314	1,141	351	955
			276ALN+45	-	280ALN+60	21	6	94	342	105	286
SUBTOTALS						89	27	408	1,483	456	1,241
TOTALS						136	41	621	2,260	695	1,891

MATERIAL UNIT WEIGHTS USED		
HMA Pavement	112	LB/(SY*IN)

CONCRETE CURB & GUTTER

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	601.0331 CONCRETE CURB & GUTTER 31-INCH LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
		MAINLINE						
1000	1	IH 894/USH 45 NB						
			255ALN+70	-	256ALN+60	LT	--	90
			280ALN+25	-	280ALN+60	RT	35	--
		TOTALS					35	90

CONCRETE BARRIER ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	603.1142 CONCRETE BARRIER TYPE S42 LF	603.1442 CONCRETE BARRIER TYPE S42C LF	603.1456 CONCRETE BARRIER TYPE S56C LF
		MAINLINE							
1000	1	IH 894 /USH 45 NB							
			265ALN+78	-	276ALN+45	RT	--	122	945
		SUBTOTALS					--	122	945
		MAINLINE							
1000	1	IH 894 /USH 45 NB							
			255ALN+70	-	265ALN+78	RT	455	553	--
			276ALN+45	-	280ALN+25	RT	--	--	380
		SUBTOTALS					455	553	380
		TOTALS					455	675	1,325

CONCRETE COLLARS FOR PIPE

STAGE	ROADWAY	STATION	OFFSET	PIPE ID	SIZE (IN)	520.8000 CONCRETE COLLARS FOR PIPE EACH
1A	**MAINLINE**					
	IH 894/USH 45 NB					
		266ALN+93	14'RT	PE1633	18	1
		275ALN+43	12'LT	PE1598	12	1
		275ALN+93	11'LT	PE1591	12	1
	SUBTOTAL					3
1B	**MAINLINE**					
	IH 894/USH 45 NB					
		279ALN+14	1'LT	PE1712	12	1
	SUBTOTAL					1
	TOTAL					4

COVER PLATES LEFT-IN-PLACE

STAGE	ROADWAY	STATION	OFFSET	SPV.0060.8005 COVER PLATES LEFT-IN-PLACE EACH
1B	**MAINLINE**			
	IH 894/USH 45 NB			
		276ALN+89	3' RT	1
		277ALN+23	2' LT	1
	TOTAL			2

ALL ITEMS CATEGORY 1000

ALL ITEMS CATEGORY 1000

PIPE CONNECTION TO EXISTING STRUCTURE

STAGE	ROADWAY	STRUCTURE ID	STATION	OFFSET	SPV.0060.8015 PIPE CONNECTION TO EXISTING STRUCTURE EACH
1A	**MAINLINE**				
	IH 894/USH 45 NB				
		AE1638	267ALN+04	8'LT	1
		AE1654	270ALN+05	9'LT	1
		AE1670	272ALN+79	9'LT	1
	SUBTOTAL				3
1B	**MAINLINE**				
	IH 894/USH 45 NB				
		AE1528	260ALN+05	6'LT	1
		AE1554	264ALN+05	4'LT	1
		AE1582	276ALN+91	4'RT	1
	SUBTOTAL				3
	TOTAL				6

ALL ITEMS CATEGORY 1000

STORM SEWER STRUCTURES											STORM SEWER PIPES											
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
I-894/45	A1524	1B	160NS+05.21	86.9	RT	773.05	INLETS MEDIAN 1 GRATE	MS	2.62	---	P1525	1B	A1524	A1526	770.43	770.36	1.00	7	10	III	12	---
I-894/45	A1526	1B	160NS+05.50	78.4	RT	774.31	INLETS 3-FT DIAMETER	V	3.95	---	P1527	1B	A1526	AE1528	770.36	770.23	1.00	13	16	III	12	---
I-894/45	AE1528	---	160NS+05.17	60.6	RT	774.78	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
I-894/45	A1552	1A	164NS+05.20	70.0	RT	768.30	INLETS 3-FT DIAMETER	V	3.45	---	P1553	1A	A1552	AE1554	764.85	764.81	0.50	9	12	III	12	---
I-894/45	AE1554	---	164NS+05.28	56.5	RT	768.70	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
I-894/45	A1580	1B	179NS+96.06	74.0	RT	756.20	INLETS MEDIAN 1 GRATE	MS	7.77	---	P1581	1B	A1580	AE1582	748.43	748.39	0.50	8	11	III	12	---
I-894/45	AE1582	---	176NS+89.90	66.6	RT	751.77	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
I-894/45	A1584	1A	176NS+42.31	70.0	RT	751.77	INLETS 3-FT DIAMETER	V	4.12	---	P1585	1A	A1584	PE1586	747.65	747.57	0.50	16	17	III	12	---
---	---	---	---	---	---	---	---	---	--	---	PE1586	---	P1585	AE1587	747.58	---	---	---	---	---	12	EXIST PIPE INTERPOL ELEV
I-894/45	A1589	1A	175NS+91.43	70.0	RT	751.71	INLETS 3-FT DIAMETER	V	4.34	---	P1590	1A	A1589	PE1591	747.37	747.29	0.50	16	17	III	12	---
---	---	---	---	---	---	---	---	---	--	---	PE1591	---	P1590	AE1592	747.29	---	---	---	---	---	12	EXIST PIPE INTERPOL ELEV
I-894/45	A1594	1A	175NS+43.67	75.1	RT	754.80	INLETS MEDIAN 1 GRATE	MS	7.48	---	P1595	1A	A1594	A1596	747.32	747.30	0.50	2	5	III	12	---
I-894/45	A1596	1A	175NS+43.34	70.0	RT	751.83	INLETS 3-FT DIAMETER	V	4.53	---	P1597	1A	A1596	PE1598	747.30	747.22	0.50	17	18	III	12	---
---	---	---	---	---	---	---	---	---	--	---	PE1598	---	P1597	AE1599	747.22	---	---	---	---	---	12	EXIST PIPE INTERPOL ELEV
---	---	---	---	---	---	---	---	---	--	---	PE1633	---	AE1632	A1634	---	759.86	---	---	---	---	18	EXIST PIPE INTERPOL ELEV
I-894/45	A1634	1A	166NS+93.96	74.7	RT	765.21	INLETS MEDIAN 2 GRATE	MS	6.50	---	P1635	1A	A1634	A1636	758.71	758.67	1.00	4	7	III	18	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION UNLESS STRUCTURE IN MOMENT SLAB. STRUCTURES IN MOMENT SLAB DEPTH SHOWN FROM BOTTOM OF MOMENT SLAB TO LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 1000

(CONTINUED ON NEXT SHEET)

STORM SEWER STRUCTURES											STORM SEWER PIPES											
ROADWAY	STRUCTURE NO.	STRUCTURE STAGE	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	STRUCTURE COMMENTS	PIPE ID	STAGE	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
I-894/45	A1636	1A	166NS+97.29	70.0	RT	763.87	INLETS 4-FT DIAMETER	V	5.20	---	P1637	1A	A1636	AE1638	758.67	758.53	1.00	14	18	III	18	---
I-894/45	AE1638	---	167NS+04.92	51.9	RT	764.31	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
I-894/45	A1652	1A	170NS+04.83	70.0	RT	759.20	INLETS 3-FT DIAMETER	V	3.84	---	P1653	1A	A1652	AE1654	755.36	755.30	0.50	14	17	III	12	---
I-894/45	AE1654	---	170NS+04.85	51.4	RT	759.69	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
I-894/45	A1668	1A	172NS+79.95	69.9	RT	755.00	INLETS 3-FT DIAMETER	V	3.58	---	P1669	1A	A1668	AE1670	751.42	751.28	1.00	13	17	III	12	---
I-894/45	AE1670	---	172NS+79.42	51.4	RT	755.46	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	--	---	P1687	1B	AE1686	AE1692	775.15	774.25	64.74	1	4	III	12	---
I-894/45	A1706	1B	180NS+11.21	74.9	RT	760.53	INLETS 3-FT DIAMETER	V	5.35	---	P1707	1B	A1706	A1710	755.18	752.35	3.00	94	98	III	12	---
I-894/45	A1708	1B	179NS+15.51	77.4	RT	759.20	INLETS MEDIAN 1 GRATE	MS	6.82	---	P1709	1B	A1708	A1710	752.38	752.35	1.00	3	7	III	12	---
I-894/45	A1710	1B	179NS+14.25	72.9	RT	756.64	INLETS 4-FT DIAMETER	V	4.29	---	P1711	1B	A1710	PE1712	752.35	752.31	1.00	4	6	III	12	---
---	---	---	---	---	---	---	---	---	--	---	PE1712	---	P1711	AE1713	752.31	---	---	---	---	---	12	EXIST PIPE INTERPOL ELEV

ALL ITEMS CATEGORY 1000

611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH
8	2	4	1	6	10

608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF
256	25

ALL ITEMS CATEGORY 1000

BEAM GUARD ITEMS

CATEGORY	STAGE	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	614.2500 MGS THRIE BEAM TRANSITION LF
		MAINLINE					
1000	1	IH 894/USH 45 NB					
			255ALN+33	20' RT	255ALN+70	21' RT	40
		TOTAL					40

WATER

CATEGORY	STAGE	LOCATION	624.0100 MGAL
1000	ALL	PROJECT-BASE AGGREGATE	15
		PROJECT- EXCAVATION	40
		TOTALS	55

MOBILIZATION

CATEGORY	STAGE	LOCATION	619.1000 EACH
1000	ALL	PROJECT	
			.01
		TOTAL	.01

INCENTIVE IRI RIDE

CATEGORY	LOCATION	440.4410.S INCENTIVE IRI RIDE DOL
1000	PROJECT	
		3,280
	TOTAL	3,280

DELINEATOR REFLECTORS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	633.0500 DELINEATOR REFLECTORS WHITE EACH	633.1000 DELINEATOR BRACKETS EACH
	MAINLINE						
1000	IH 894/USH 45 NB						
		255ALN+70	-	280ALN+25	RT	25	25
	TOTALS					25	25

DUST CONTROL SURFACE TREATMENT

CATEGORY	STAGE	LOCATION	623.0200 SY
1000	1	PROJECT	
			8,360
		TOTAL	8,360

SEWER ACCESS COVERS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	SPV.0060.8080 WELDING SEWER ACCESS COVERS EACH	SPV.0060.8052 REMOVING WELDS FROM SEWER ACCESS COVERS EACH
	MAINLINE						
1000	IH 894/USH 45 NB						
		150NS+50	-	87NS+50	RT	10	10
	TOTALS					10	10

CPM SCHEDULE ITEMS

CATEGORY	LOCATION	108.4400 CPM PROGRESS SCHEDULE EACH
1000	UNDISTRIBUTED	
		1
	TOTALS	1

3

MOBILIZATIONS EMERGENCY PAVEMENT REPAIR

CATEGORY	LOCATION	SPV.0060.0406 MOBILIZATIONS EMERGENCY PAVEMENT REPAIR EACH
1000	UNDISTRIBUTED	5
	TOTALS	5

SURVEY PROJECT

CATEGORY	STAGE	ROADWAY	SPV.0105.0007 SURVEY PROJECT 1060-34-82 LS
1000	ALL	PROJECT	1
		TOTAL	1

3

PIPE UNDERDRAIN

CATEGORY	STAGE	ROADWAY	BEGIN STATION		END STRUCTURE	OFFSET	SPV.0090.0126 PIPE UNDERDRAIN 6-INCH SPECIAL LF
		MAINLINE					
1000	2A	IH 894/USH 45 NB					
			265ALN+78	-	A1589	8' RT	1,014
			276ALN+42	-	A1589	8' RT	51
		SUBTOTAL					1,065
		MAINLINE					
1000	2B	IH 894/USH 45 NB					
			255ALN+70	-	265ALN+78	8' RT	1,007
			280ALN+60	-	A1584	8' RT	417
		SUBTOTAL					1,424
		TOTAL					2,489

PAVEMENT CLEANUP

CATEGORY	STAGE	LOCATION	SPV.0075.0003 PAVEMENT CLEANUP PROJECT 1060-34-82 HRS
1000	ALL	PROJECT	100
		TOTAL	100

EXPOSING EXISTING INFRASTRUCTURE

CATEGORY	LOCATION	SPV.0060.0003 EXPOSING EXINSTING INFRASTRUCTURE PAVED AREA EACH	SPV.0060.0004 EXPOSING EXINSTING INFRASTRUCTURE UNPAVED AREA EACH
1000	UNDISTRIBUTED	2	2
	TOTALS	2	2

VIBRATION MONITORING

CATEGORY	STAGE	LOCATION	SPV.0135.0001 VIBRATION MONITORING MON
1000	1	UNDISTRIBUTED	5
		TOTAL	5

3

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EROSION CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF
1000	1	IH 894/USH 45 NB								
			265ALN+78	-	275ALN+95	RT	--	--	514	60
		SUBTOTALS					--	--	514	60
1000	1	IH 894/USH 45 NB								
			255ALN+70	-	280ALN+60	RT	--	--	1,532	96
		SUBTOTALS					--	--	1,532	96
		UNDISTRIBUTED					3	3	514	39
		TOTALS					3	3	2,560	195

RESTORATION ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	625.0100 TOPSOIL SY
1000	IH 894/USH 45 NB							
		255ALN+70	-	280ALN+60	1.3	37	28	2,046
	SUBTOTALS				1.3	37	28	2,046
	UNDISTRIBUTED				0.7	13	7	514
	TOTALS				2.0	50	35	2,560

3

INLET PROTECTION

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	628.7005 TYPE A EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
1000	1A	IH 894/USH 45 NB						
			151NS+33	-	186NS+72	10	18	8
			266ALN+94	-	276ALN+42	16	--	12
		SUBTOTALS				26	18	20
1000	1B	IH 894/USH 45 NB						
			260ALN+05	-	280ALN+12	12	--	6
		SUBTOTALS				12	--	6
		TOTALS				38	18	26

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
1000	UNDISTRIBUTED	6
	TOTAL	6

HMA LONGITUDINAL JOINT REPAIR

CATEGORY	LOCATION	SPV.0195.0120 HMA LONGITUDINAL JOINT REPAIR TON
1000	UNDISTRIBUTED	40
	TOTALS	40

3

PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	STATION	TO	STATION	646.0106* PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH 12.5 FT LINE, 37.5 SKIP WHITE LF	646.0841.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH 3 FT LINE, 9 FT SKIP WHITE LF	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH 3 FT LINE, 9 FT SKIP WHITE LF	646.0843.S PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH 8-INCH WHITE LF	647.0726 PAVEMENT MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	647.0746 PAVEMENT MARKING DIAGONAL EPOXY 24-INCH WHITE LF	646.2304.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE LF	646.2304.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH YELLOW LF	SPV.0090.0301 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC STOP LINE, 24-INCH WHITE LF	SPV.0090.0302 PAVEMENT MARKING CONTRAST GROOVED PREFORMED THERMOPLASTIC CROSSWALK, 6-INCH WHITE LF
1000	IH 894/ USH 45 NB															
		144NS+59	-	193NS+63	3,287	531	2,851	50	319	3,804	913	253	3,318	5,393	22	63
	SUBTOTALS				3,287	531	2,851	50	319	3,804	913	253	3,318	5,393	22	63
	TOTALS				3,818		2,901		4,123		913	253	8,711		22	63

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

TEMPORARY CONCRETE BARRIER ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH
1000	1A	IH 894/USH 45 NB							
			164NS+54	-	177NS+45	RT	1,293	1,293	1
		SUBTOTALS					1,293	1,293	1
1000	1B	IH 894/USH 45 NB							
			155NS+03	-	181NS+59	RT	2,054	2,054	1
		SUBTOTALS					2,054	2,054	1
		TOTALS					3,347	3,347	2

3

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	643.0200.0002 TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE 1060-34-82 DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH**	DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	DAY	643.0900 TRAFFIC CONTROL SIGNS EACH**	DAY	643.0910* TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	DAY	638.2101* MOVING SIGNS TYPE I EACH	638.2102* MOVING SIGNS TYPE II EACH
1000	1A	**STAGE 1A**	18	18																	
		IH 894/USH 45 NB			75	1,350	--	--	--	--	8	144	1	18	18	324	--	--	--	1	1
		IH 894/USH 45 NB ENTRANCE RAMP FROM OKLAHOMA AVENUE			20	360	--	--	--	--	--	--	--	--	4	72	--	--	--	--	--
		SUBTOTALS		18		1,710		--		--		144		18		396	--		--	1	1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
**FOR INFORMATION ONLY

(CONTINUED ON NEXT SHEET)

(CONTINUED)

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	643.0200.0002 TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE 1060-34-82 DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0910* TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	638.2101* MOVING SIGNS TYPE I EACH	638.2102* MOVING SIGNS TYPE II EACH
1000	1B	**STAGE 1B**	28	28																		
		IH 894/USH 45 NB			81	2,268	--	--	--	--	8	224	1	28	21	588	2	--	--	--	--
		W. OKLAHOMA AVENUE			12	336	5	140	13	364	--	--	--	--	4	112	--	2	56	--	--
		SUBTOTALS		28		2,604		140		364		224		28		700	2		56	--	--
1000	2	**STAGE 2**	40	40																		
		IH 894/USH 45 NB			30	1,200	--	--	--	--	--	--	1	40	8	320	--	2	28	--	--
		SUBTOTALS		40		1,200		--		--		--		40		320	--		28	--	--
		UNDISTRIBUTED		--		582		1		--		32		13		145	--		6	--	--
		TOTALS		86		6,096		141		364		400		99		1,561	2		90	1	1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
**FOR INFORMATION ONLY

3

TRAFFIC CONTROL ITEMS (DETOUR)

CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	643.2000.0002 TRAFFIC CONTROL DETOUR 1060-34-82 EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH**	DAY
1000	1	IH 894 NB OKLAHOMA AVENUE ENTRANCE RAMP CLOSURE	28	--	110	3,080
		IH 894 NB NATIONAL AVENUE EXIT RAMP CLOSURE		--	58	1,624
		SUBTOTALS		--		4,704
		UNDISTRIBUTED		1		952
		TOTALS		1		5,656

**FOR INFORMATION ONLY

3

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	STAGE	LOCATION	SIGN NO.	NUMBER REQUIRED	SIGN SIZE W X H FT X FT	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	638.2101* MOVING SIGNS TYPE I EACH	SIGN MESSAGE
1000	1	IH 894/USH 45 NB	251	4	6.0 X 1.5	36.00	--	CLOSED
		SUBTOTAL				36.00	--	
1000	1	HOSPITAL EXIT DETOUR						
		IH 894/USH 45 NB	250	1	2.0 X 1.5	3.00	1	3
		SUBTOTAL				3.00	1	
1000	2	TEMPORARY EXIT RAMP SIGNAGE						
		IH 894/USH 45 NB	352	1	10.5 X 7.0	73.50	--	NATIONAL AVE 1/4 MILE RIGHT LANE EXIT ONLY
		IH 894/USH 45 NB	353	1	9.5 X 7.0	66.50	--	NATIONAL AVENUE RIGHT LANE EXIT ONLY
		SUBTOTAL				140.00	--	
1000		DETOURS	980	4	10.0 X 5.0	200.00	--	OKLAHOMA AVE RAMP CLOSED TO IH894 IH41 USH45 NORTH FOLLOW DETOUR
			982	12	3.5 X 2.0	84.00	--	NATIONAL AVE
			983	4	7.5 X 3.5	105.00	--	NATIONAL AVE
			984	1	11.0 X 6.5	71.50	--	EXIT TO NATIONAL AVE CLOSED AHEAD USE BELOIT RD
		SUBTOTAL				460.50	--	
		TRUCKS ENTERING/EXITING SIGNS		4	6.0 X 6.0	144.00	--	
		EMERGENCY ACCESS SIGNS		2	2.0 X 6.0	24.00	--	
		UNDISTRIBUTED		2	5.0 X 5.0	50.00	--	
		TOTALS				857.50	1	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

TRAFFIC CONTROL PAVEMENT MARKING

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	646.0106* PAVEMENT MARKING EPOXY 4-INCH DASHED WHITE[1] LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH DOT WHITE[2] LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106* PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH DOT WHITE[2] LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE LF	646.0600 REMOVING PAVEMENT MARKINGS LF	649.2100 TEMPORARY RAISED PAVEMENT MARKERS WHITE EACH	649.2100 TEMPORARY RAISED PAVEMENT MARKERS YELLOW EACH
1000	1A	IH 894/USH 45 NB												
			141NS+70	-	195NS+64	1,904	63	9,630	5,390	27	600	14,777	211	71
		SUBTOTALS				1,904	63	9,630	5,390	27	600	14,777	211	71
1000	1B	IH 894/USH 45 NB												
			160NS+02	-	178NS+08	--	--	1,204	--	--	--	161	--	--
		SUBTOTALS				--	--	1,204	--	--	--	161	--	--
1000	2	IH 894/USH 45 NB												
			160NS+02	-	178NS+08	--	--	--	--	--	--	18,522	--	--
		SUBTOTALS				--	--	--	--	--	--	18,522	--	--
		TOTALS					18,191				627	33,460		282

[1] DASHED WHITE = 12.5-FT DASH, 37.5-FT SKIP
[2] DOT PATTERN WHITE = 3-FT LINE, 9-FT SKIP
*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FTMS PULL BOXES & COMMUNICATION VAULTS

CATEGORY	ROADWAY	ITEM ID	LOCATION STATION	LOCATION OFFSET	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	653.0140 PULL BOXES STEEL 24 X 42 - INCH EACH
1300	IH 894					
		EXPB1009	153NS+22	65' RT	1	--
		PB175NS	175NS+32	79' RT	--	1
		EXPB1402	173NS+22	83' RT	1	--
			TOTALS		2	1

FTMS CONDUIT AND TRACER WIRE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	652.0125 CONDUIT RIGID METALLIC 2-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	SPV.0060.2052 MULTI-CELL CONDUIT CONNECTION EA
1300	IH 894						
		CB-CCTV-40-0033 - EXPB1009	10	10	20	--	--
		EXMH1402 - PB175NS	10	--	--	20	1
		PB175NS - EXPB1402	215	--	--	426	--
		TOTALS		10	20	446	1

3

FTMS CABLE AND WIRE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
1300	IH 894				
		CB-CCTV-40-0033 - EXPB1009	10	19	30
		EXPB1009 - EXPB2003	40	--	120
		EXPB2003 - EXPB2002	250	--	750
		EXPB2002 - EXPB2001	80	--	240
		EXPB2001 - EXPB1002	50	--	150
		EXPB1002 - EXCB-RM-40-0036	5	--	15
		EXMH1402 - PB175NS	150	159	--
		PN175NS - EXPB1402	215	224	--
		TOTALS		402	1,305

FTMS CABLE

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	678.0006 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 6-CT LF
1300	IH 894			
		CB-CCTV-40-0033 - EXPB1009	10	60
		EXPB1009 - EXPB2003	40	90
		EXPB2003 - EXPB2002	250	300
		EXPB2002 - EXPB2001	80	130
		EXPB2001 - EXPB1002	50	100
		EXPB1002 - EXCB-RM-40-0036	5	55
		EXMH1402 - PB175NS	150	200
		PB175NS - PEXPB1402	215	265
		EXPB1402 - EXPB1401	45	95
		EXPB1401 - EXCB-DMS-40-0001	10	60
		TOTALS		1,355

FTMS BASES, POLES AND EQUIPMENT

CATEGORY	ROADWAY	ITEM ID	LOCATION	OFFSET	659.0802 PLAQUES SEQUENCE IDENTIFICATION EACH	672.0250 BASE CAMERA POLE 50-FT EACH	673.0225.S INSTALL POLE MOUNTED CABINET EACH	677.0100 INSTALL CAMERA POLE EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH	SPV.0060.2001 GROUND ROD EACH
1300	IH 894									
		CCTV-40-0033	153NS+31	68 'RT	2	1	1	1	1	1
		TOTALS			2	1	1	1	1	1

FTMS COMMUNICATIONS (CABINETS)

CATEGORY	ROADWAY	ITEM ID	STATION	OFFSET	678.0400 FIBER OPTIC TERMINATION EACH	SPV.0060.2050 INSTALL FIBER OPTIC MEDIA CONVERTER EACH
1300	IH 894					
		EXCB-RM-40-0036	151NS+65	190'RT	6	1
		CB-CCTV-40-0033	153NS+31	68'RT	6	1
		EXCB-DMS-40-0001	173NS+19	124'RT	6	--
		TOTALS			18	2

FTMS ELECTRICAL SERVICE

CATEGORY	ROADWAY	ITEM ID	STATION	OFFSET	656.0500.2016 ELECTRICAL SERVICE BREAKER DISCONNECT BOX (CB-CCTV-40-0033) LS
1300	IH 894				
		CB-CCTV-40-0033	153NS+31	68 'RT	1
		TOTALS			1

MISCELLANEOUS ITEMS

CATEGORY	ROADWAY	670.0100.2021 FIELD SYSTEM INTEGRATOR (FTMS) LS	670.0200.2021 ITS DOCUMENTATION (FTMS) LS	678.0500.2021 COMMUNICATION SYSTEM TESTING (FTMS) LS
1300				
	IH 894	1	1	1
	TOTALS	1	1	1

ITS REMOVALS

CATEGORY	ROADWAY	ITEM ID	674.0300 REMOVE CABLE LF
1300	IH 894		
		EXMH1001 - EXMH1101	420
		EXMH1101 - EXMH1102	40
		EXMH1102 - EXMH1401	2,005
		EXMH1401 - EXMH1404	150
		EXMH1404 - EXMH1501	545
		EXMH1501 - EXMH1502	45
		EXMH1502 - EXMH1601	340
		EXMH1601 - EXMH1602	40
		EXMH1401 - EXMH1402	130
		EXMH1401 - EXPB1402	210
		EXPB1402 - EXPB1403	75
		EXMH1404 - EXPB1405	50
		TOTALS	4,050

3

ITS REMOVALS

CATEGORY	ROADWAY	ITEM	DESCRIPTION	STATION	OFFSET	204.0195 REMOVING CONCRETE BASES EACH	204.0210 REMOVING MANHOLES EACH	653.0905 REMOVING PULL BOXES EACH	677.9051.S REMOVING 50-FT CAMERA POLE EACH	677.9200.S REMOVING CCTV CAMERA EACH
1300	IH 894									
		EXCCTV-40-0033	CCTV	153NS+17	65 'RT	1	--	--	1	1
		EXPB1403	MANHOLE	173NS+94	69 'RT	--	--	1	--	--
		EXMH1401	MANHOLE	175NS+32	69 'RT	--	1	--	--	--
		EXMH1404	MANHOLE	176NS+78	69 'RT	--	1	--	--	--
					TOTALS	1	2	1	1	1

3

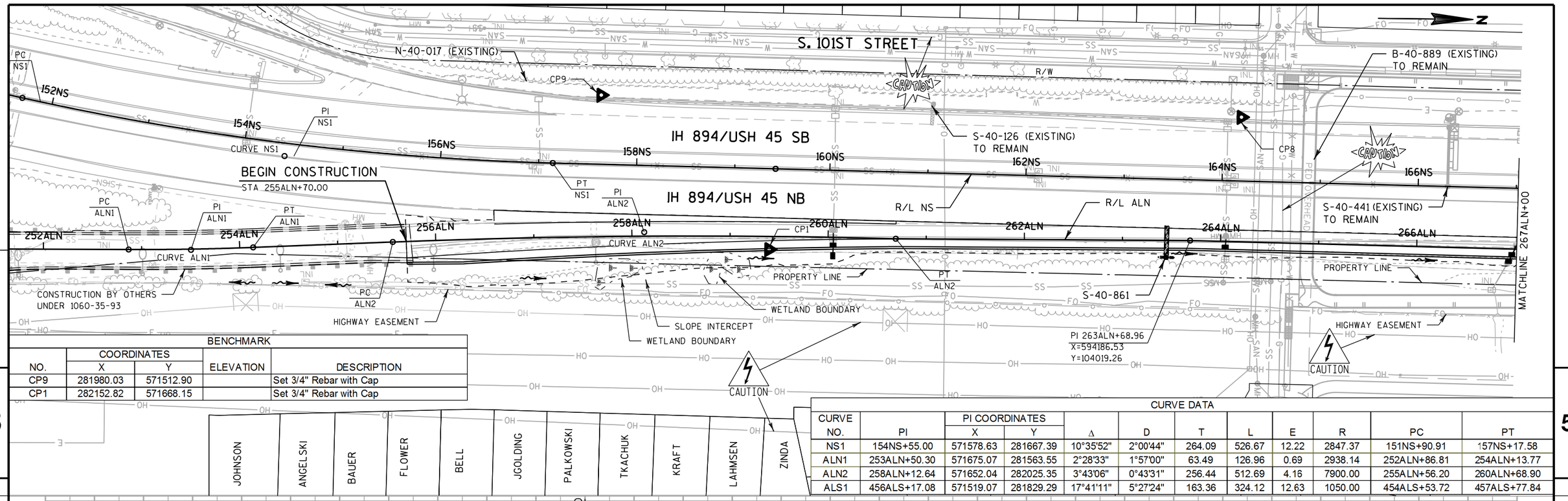
SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 * MOVING SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4"X 6"x18' [EA]	634.0622 WOOD POSTS 4" X 6" X 22' [EA]	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	643.0910 * TRAFFIC CONTROL COVERING SIGNS TYPE I [EA]	638.2101 * MOVING SIGNS TYPE I [EA]	638.2601 REM SIGNS TYPE I [EA]	638.3100 REM STR STEEL SIGN SUP [EA]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	635.0300 SIGN SUPPORTS REPLACING BASE CONN. BOLTS [EA]	PHASE SIGN TO BE INSTALLED	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
1	W4-3(5)		48 X 48		16.000	1	1			1																			
2	W4-3(3)		36 X 36		9.000								MOUNT ON LIGHT POLE																
3	E10-61	HOSPITAL EXIT 2 A											NEW STEEL POSTS				1		2	A	1.2	68	600						
4	E6-51 (MOD)	NATIONAL AVE 1/4 MILE EXIT [A] ONLY											MOUNT ON SIGN BRIDGE S-40-861 I BEAMS INCIDENTAL	17 X 9	153.00													
4A	E1-5P	EXIT 2 A										4		10 X 2.5	25.00														
5	R3-33 (5)	RIGHT LANE MUST EXIT	78 X 36	19.500						2																			
6	W13-2C (5)	EXIT [A] 35 MPH	48 X 90		30.000	1	1			2																			
7	E4-1A	NATIONAL AVENUE [A]																1	2										
8	M1-94	CLEVELAND AVE 2700 SOUTH	102 X 30	21.250		1	2						MOUNT ON BRIDGE INCIDENTAL TO SIGN																
9	E6-1	NATIONAL [A] AVENUE EXIT ONLY											MOUNT ON SIGN BRIDGE S-40-862 I BEAMS INCIDENTAL	15 X 8.5	127.50													
9A	E1-5P	EXIT 2 A										9		10 X 2.5	25.00														
10	E5-1B (5)	EXIT 2 A [A]	78 X 60	32.500		1	2			2																			
11	PLAQUE	35 MPH	78 X 24		13.000							10																	
UNDISTRIBUTED				--		5	5	3	5		2	--	--		--	1	1	2	2	--	5	200	1000	2		--	--	--	--
TOTALS				73.250	68.000	9	11	3	5	7	2	--	--		330.500	1	2	3	6	--	6.2	268	1600	2					

3

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SHEET: 1 OF 1

PROJECT NO: 1060-34-82	HWY: IH-894 - NORTHBOUND	COUNTY:MILWAUKEE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET:	E

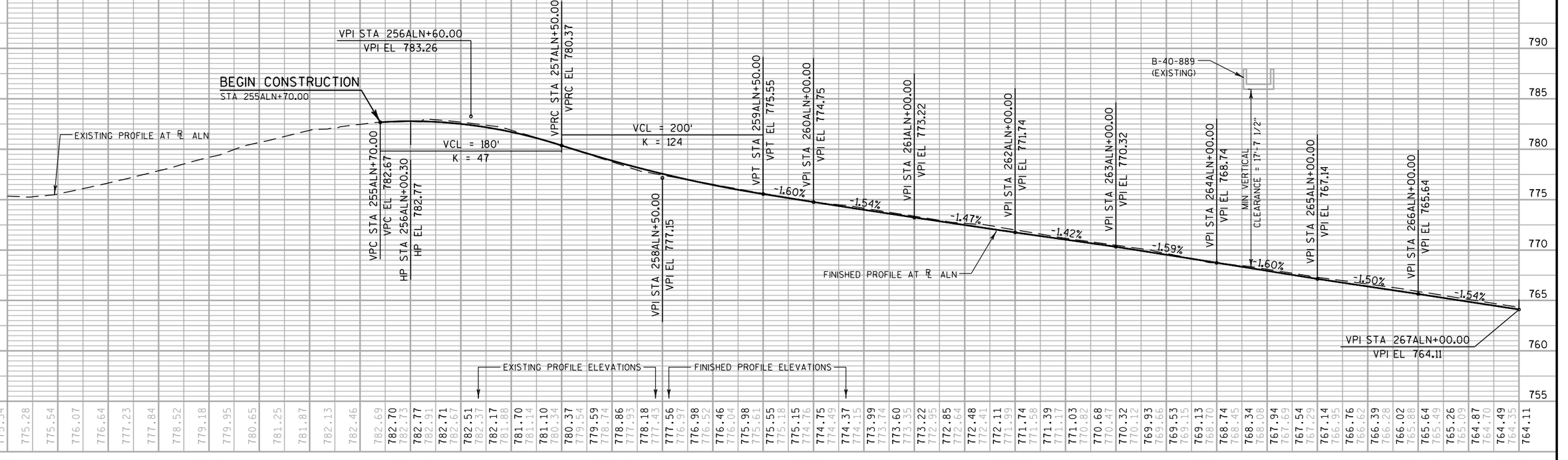


BENCHMARK

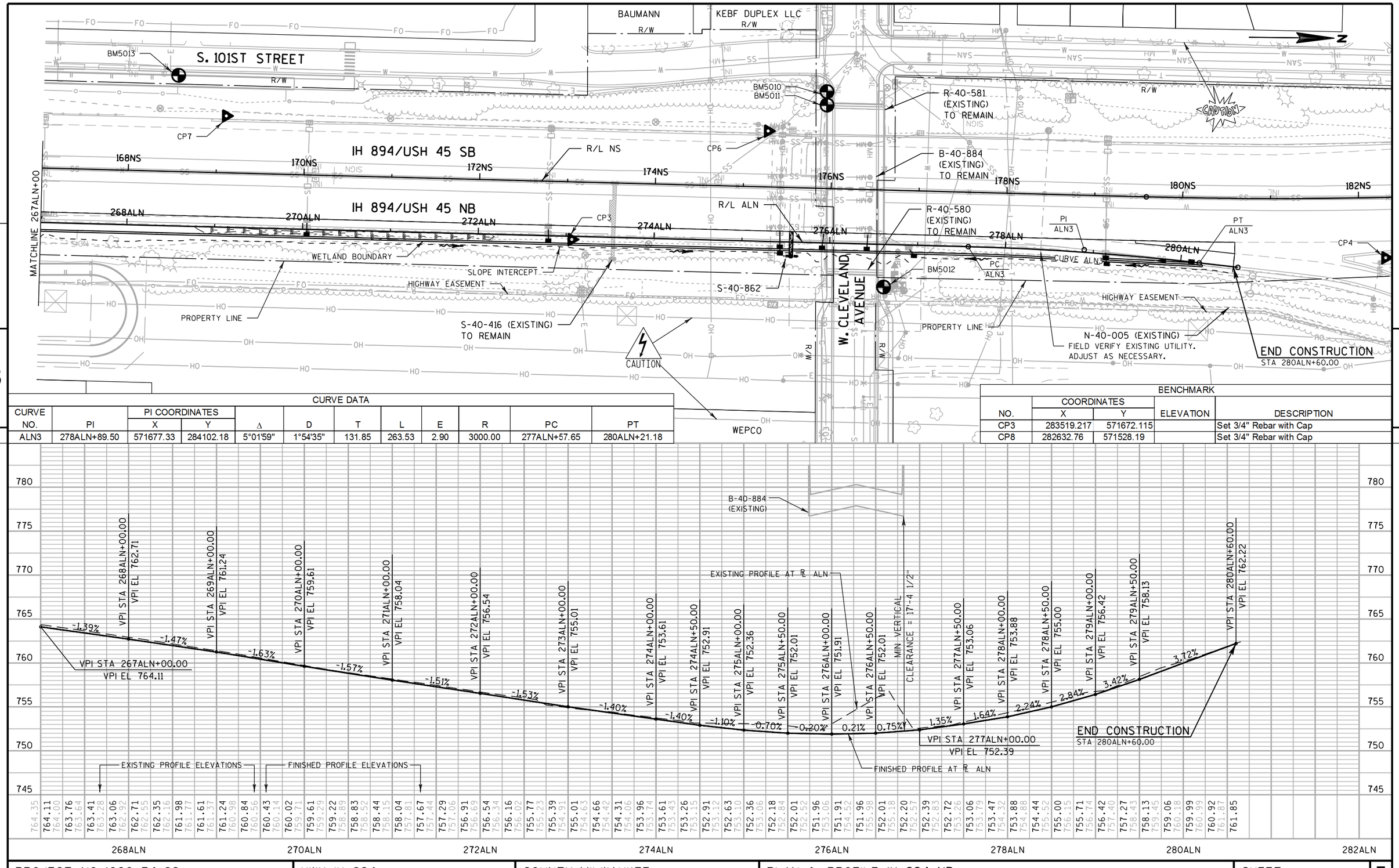
NO.	COORDINATES X	COORDINATES Y	ELEVATION	DESCRIPTION
CP9	281980.03	571512.90		Set 3/4" Rebar with Cap
CP1	282152.82	571668.15		Set 3/4" Rebar with Cap

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
NS1	154NS+55.00	571578.63	281667.39	10°35'52"	2°00'44"	264.09	526.67	12.22	2847.37	151NS+90.91	157NS+17.58
ALN1	253ALN+50.30	571675.07	281563.55	2°28'33"	1°57'00"	63.49	126.96	0.69	2938.14	252ALN+86.81	254ALN+13.77
ALN2	258ALN+12.64	571652.04	282025.35	3°43'06"	0°43'31"	256.44	512.69	4.16	7900.00	255ALN+56.20	260ALN+68.90
ALS1	456ALS+17.08	571519.07	281829.29	17°41'11"	5°27'24"	163.36	324.12	12.63	1050.00	454ALS+53.72	457ALS+77.84



PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 894 NB	SHEET	E



CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
ALN3	278ALN+89.50	571677.33	284102.18	5°01'59"	1°54'35"	131.85	263.53	2.90	3000.00	277ALN+57.65	280ALN+21.18

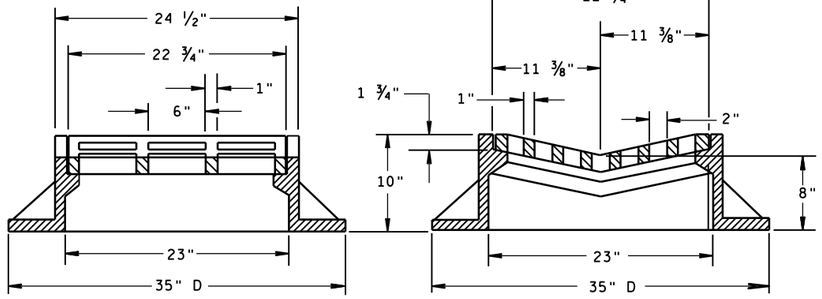
BENCHMARK				
NO.	COORDINATES X	COORDINATES Y	ELEVATION	DESCRIPTION
CP3	283519.217	571672.115		Set 3/4" Rebar with Cap
CP8	282632.76	571528.19		Set 3/4" Rebar with Cap

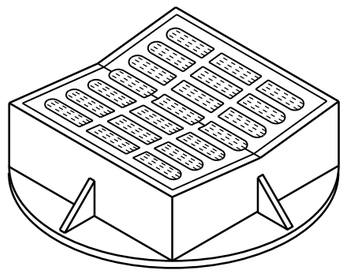
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	PLAN & PROFILE: IH 894 NB	SHEET	E

Standard Detail Drawing List

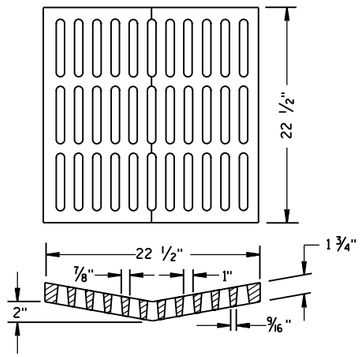
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C08-01	INLETS MEDIAN 1 AND 2 GRATE
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D16-10	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-08	CONDUIT
09B04-11	PULL BOX
09D03-02	POST MOUNTED CONTROLLER SERVICE INSTALLATION
09H05-01	CABINET BREAKER DISCONNECT BOX INSTALLATION
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-01A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-01E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B32-03A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-03B	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-03C	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-03D	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-03E	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B41-01A	SINGLE SLOPE ROADSIDE RETAINING WALL
14B41-01B	SINGLE SLOPE ROADSIDE RETAINING WALL
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01B	LANE DROP PAVEMENT MARKING
15C31-01C	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D29-03	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

6



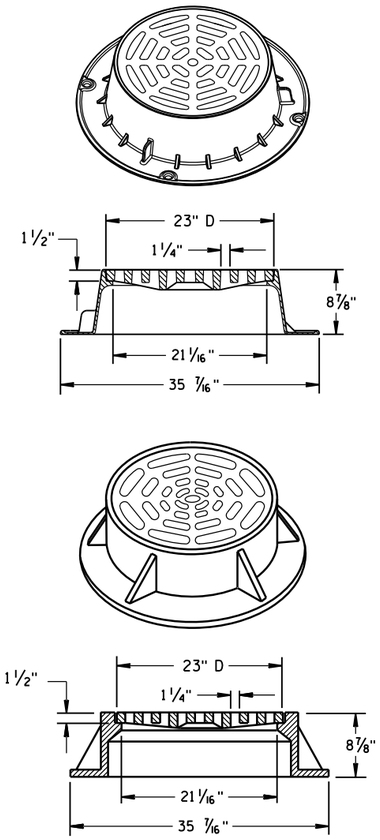


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

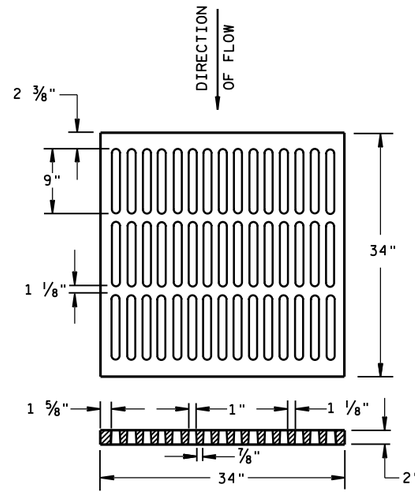
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

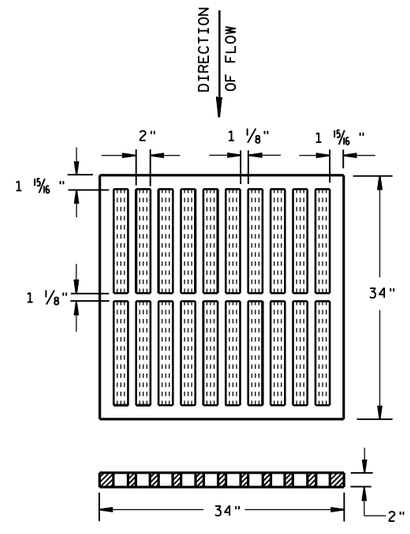
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



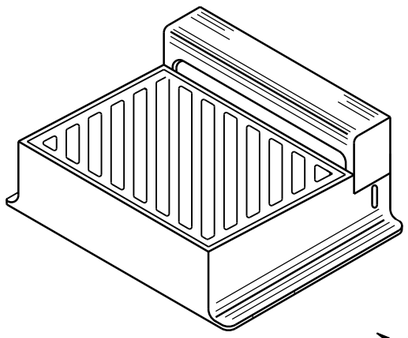
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

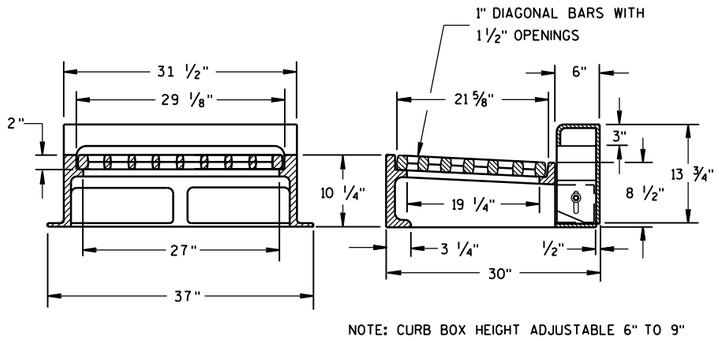


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

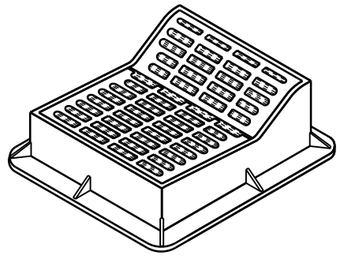
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

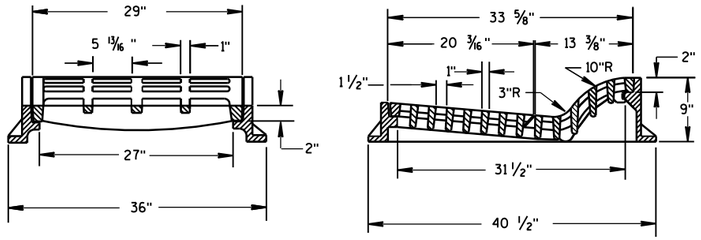
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

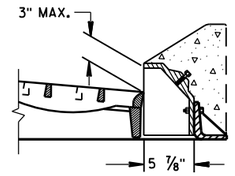
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

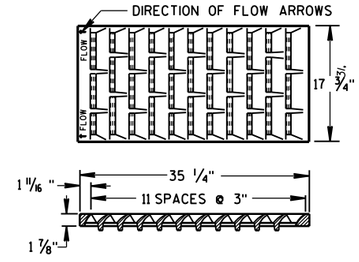
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

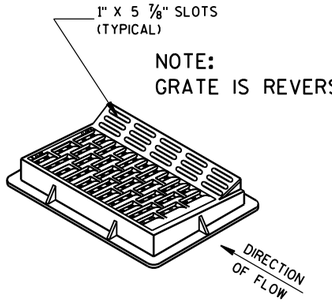
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

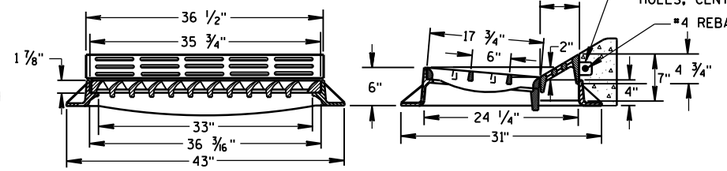
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



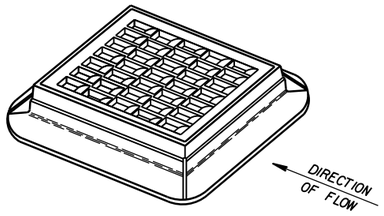


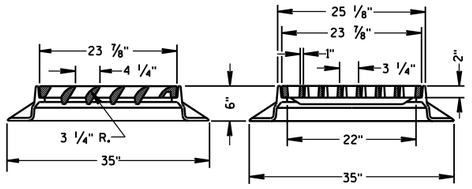


TYPE "HM"

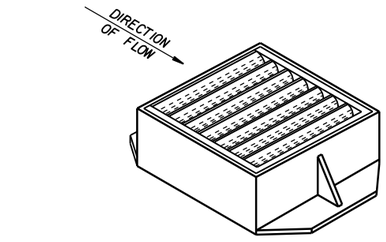
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

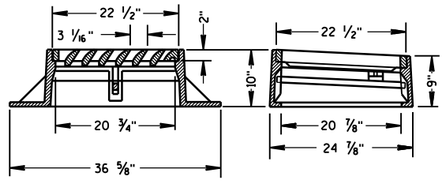
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



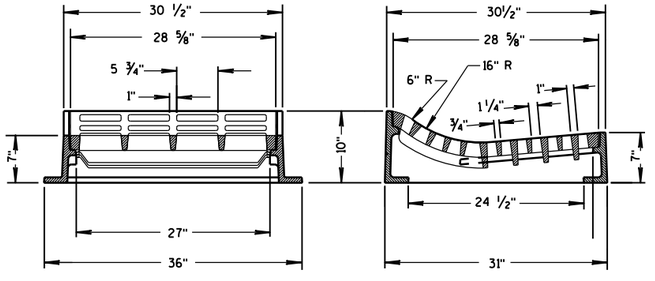


TYPE "S"



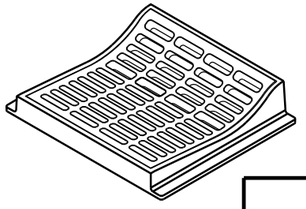


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

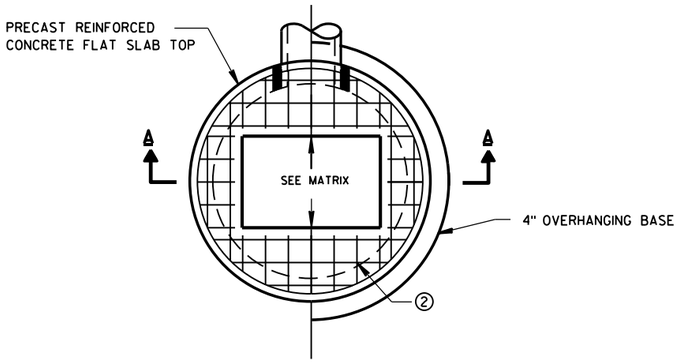
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

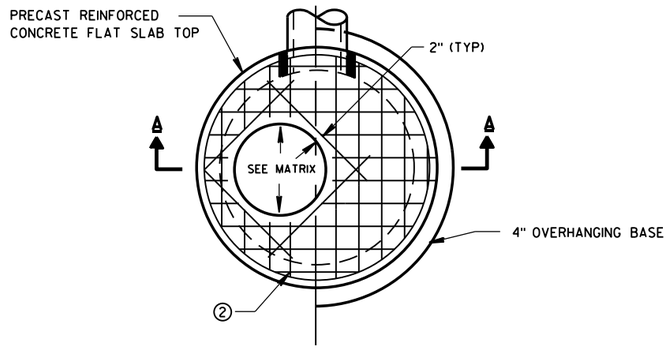
FHWA

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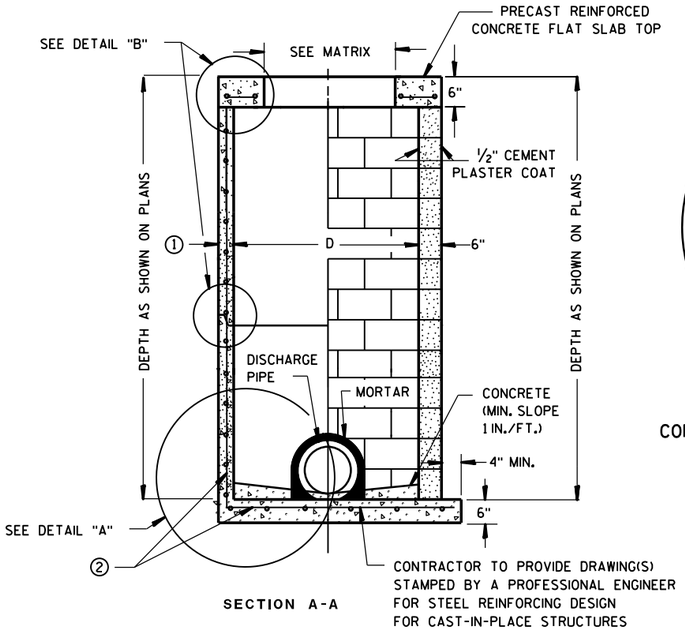
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

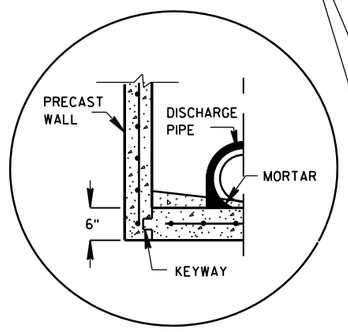


SECTION A-A

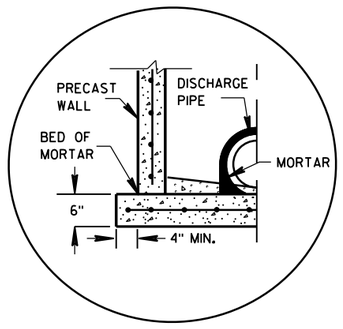
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

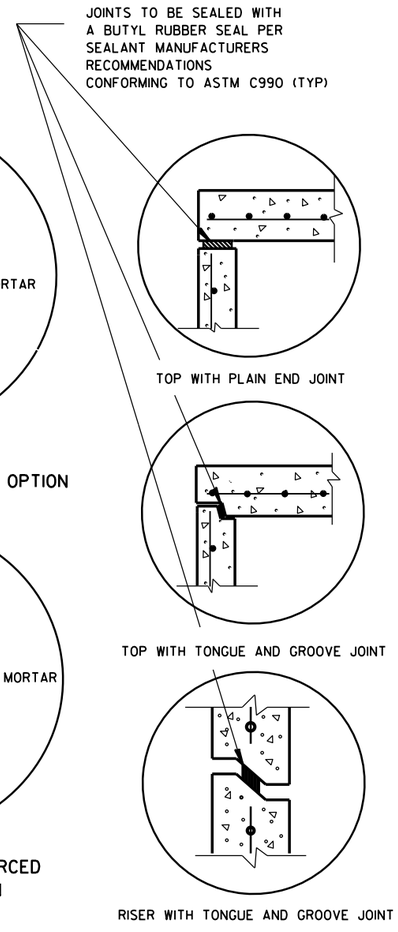


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

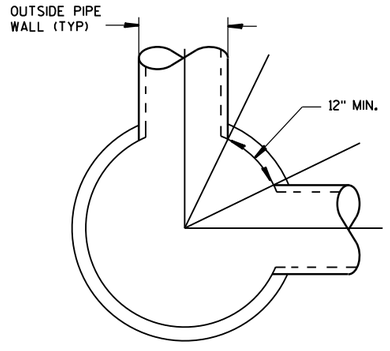
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

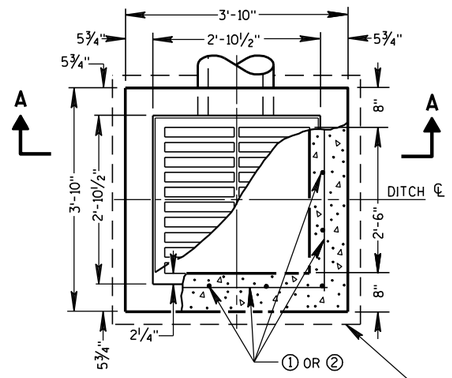
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

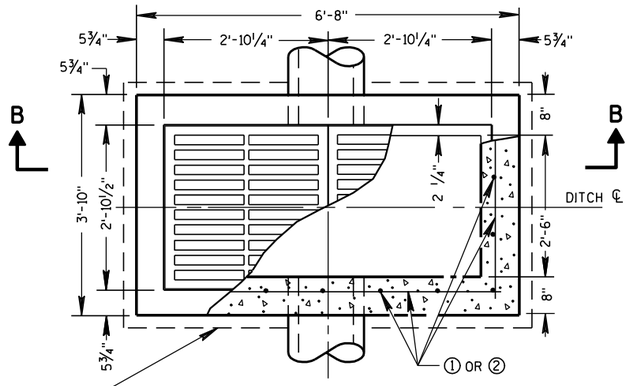
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

INLETS 3-FT AND 4-FT DIAMETER

6
S.D.D. 8 C 6-1

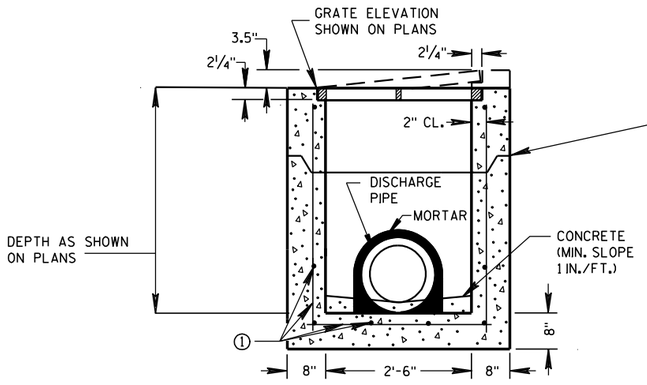


PLAN VIEW

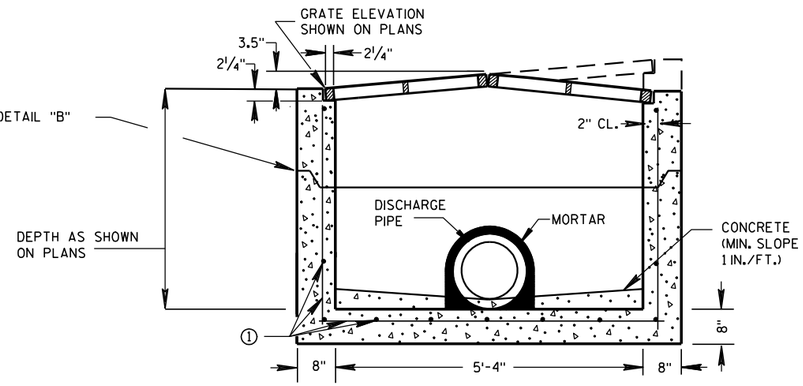


PLAN VIEW

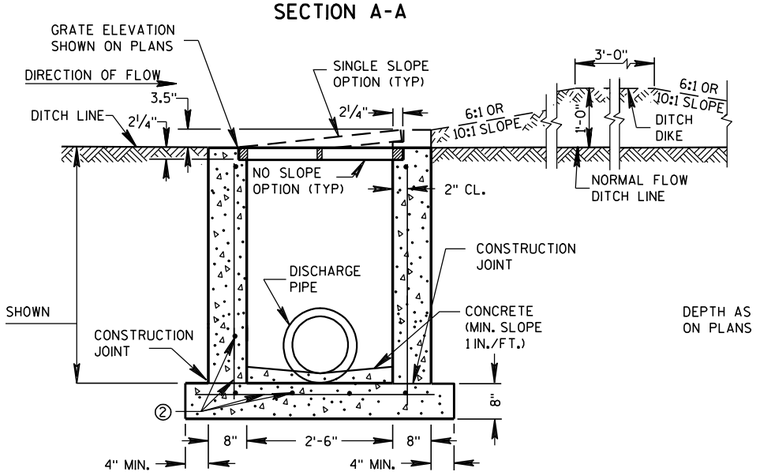
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



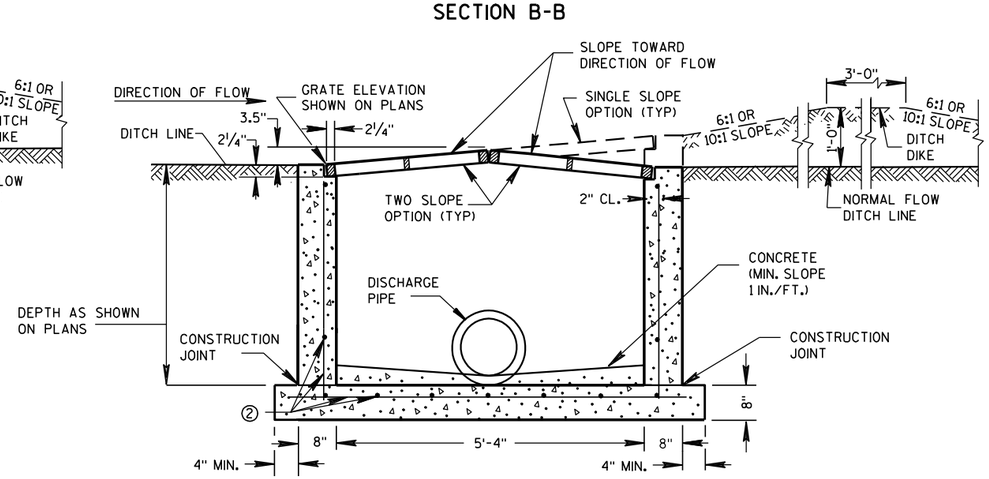
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

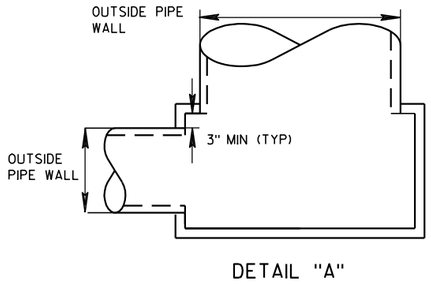
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

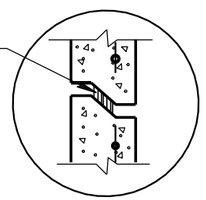
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

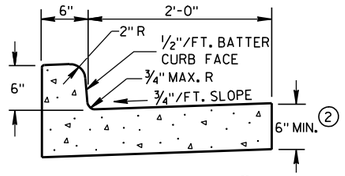
INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

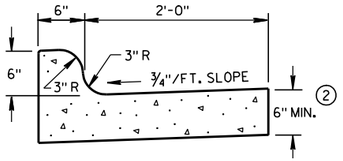
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6 S.D.D. 8 C 8-1

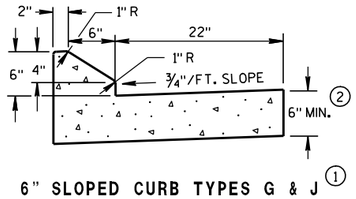
6 S.D.D. 8 C 8-1



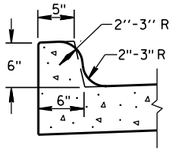
TYPES A & D (1)



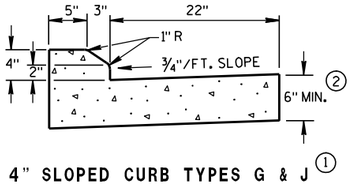
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

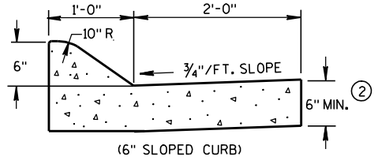


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

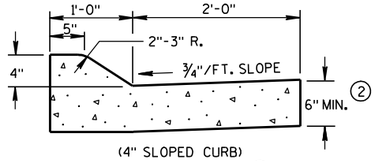


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

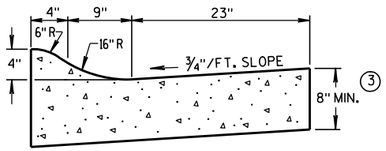


(6" SLOPED CURB)



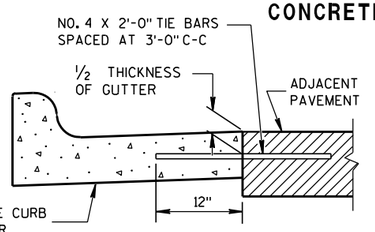
(4" SLOPED CURB)

TYPES A & D (1)

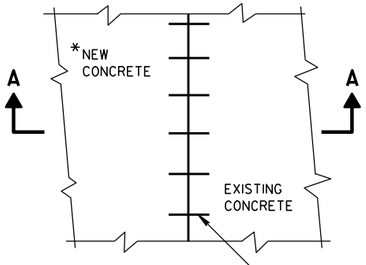


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"

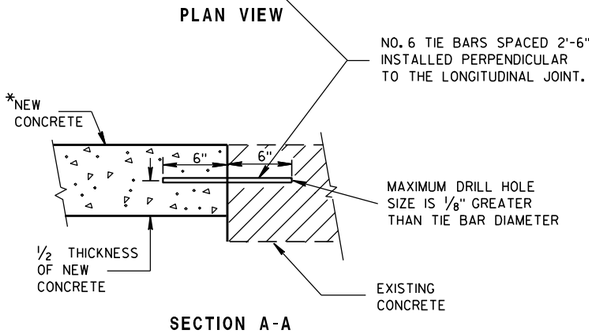


TYPICAL TIE BAR LOCATION (1)



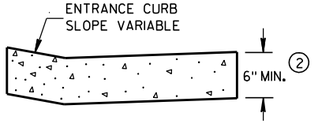
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

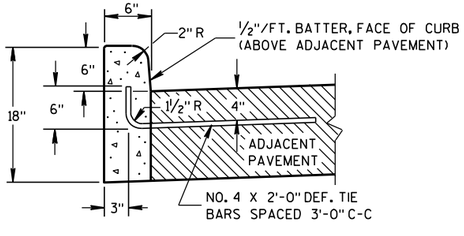


SECTION A-A

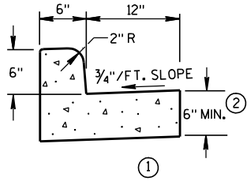
TIE BARS DRILLED INTO EXISTING PAVEMENT



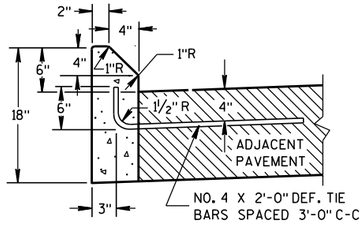
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



(1)
TYPES A & D

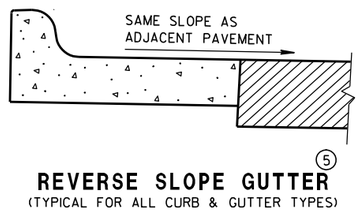


(1)
TYPES A & D
CONCRETE CURB & GUTTER 18"

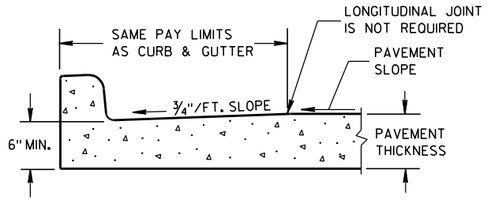


(1)
TYPES G & J

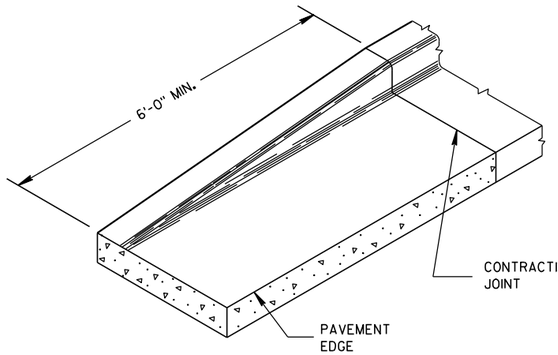
CONCRETE CURB



REVERSE SLOPE GUTTER (5)
(TYPICAL FOR ALL CURB & GUTTER TYPES)



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

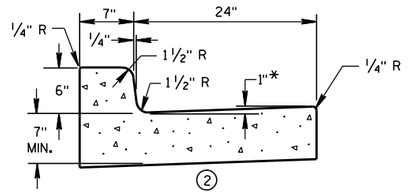
APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
124
ENT
FHWA

6

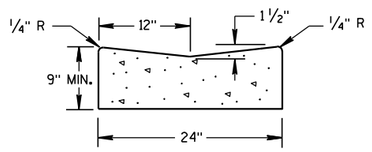
S.D.D. 8 D 1-17

6

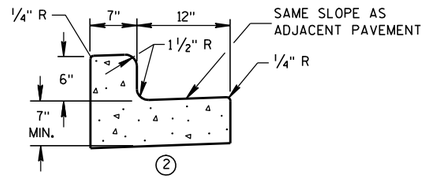
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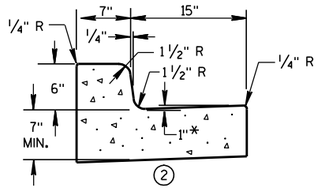
① CONCRETE CURB & GUTTER 31"



① CONCRETE GUTTER 24"

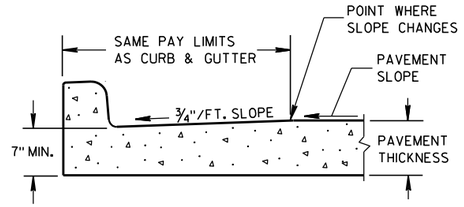


① CONCRETE CURB & GUTTER 19"



① CONCRETE CURB & GUTTER 22"

* TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

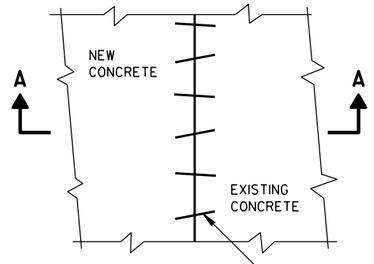
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURB.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MIMIMUM GUTTER THICKNESS IS MAINTAINED.

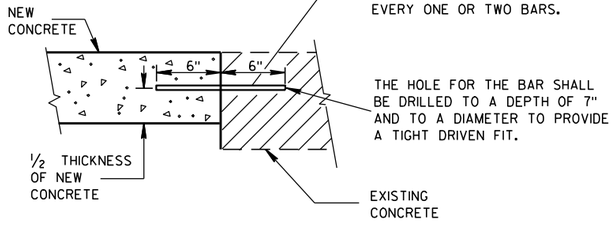
③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLAN.



PLAN VIEW

EXISTING AND NEW CONCRETE MAY BE CURB & GUTTER, SURFACE DRAIN, PAVEMENT OR OTHER CONCRETE STRUCTURE.

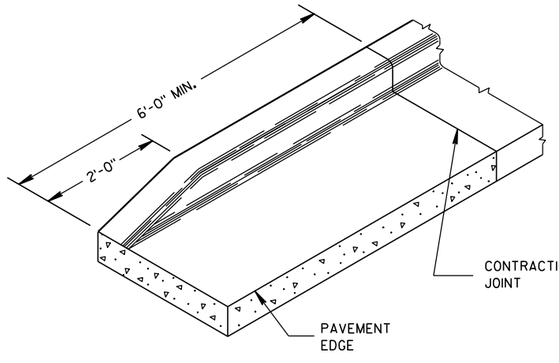
NO. 6 X 12" DEF. BARS SPACED 3'-0" C-C, INSTALLED ON 6:1 SKEW HORIZONTALLY. DIRECTION OF SKEW ALTERNATING AFTER EVERY ONE OR TWO BARS.



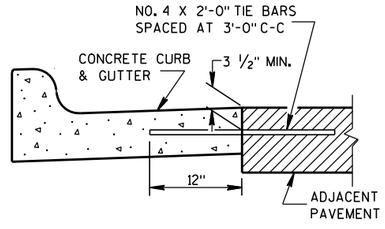
THE HOLE FOR THE BAR SHALL BE DRILLED TO A DEPTH OF 7" AND TO A DIAMETER TO PROVIDE A TIGHT DRIVEN FIT.

SECTION A-A

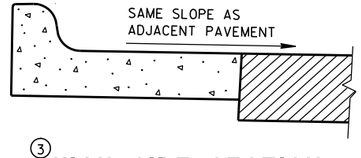
PAVEMENT TIES



END SECTION CURB & GUTTER



① TYPICAL TIE BAR LOCATION



③ HIGH SIDE SECTION

(TYPICAL FOR ALL CURB & GUTTER)

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

(For Optional Use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/2/2010 — DATE

/S/ Jerry Zogg — ROADWAY STANDARDS ENGINEER

125

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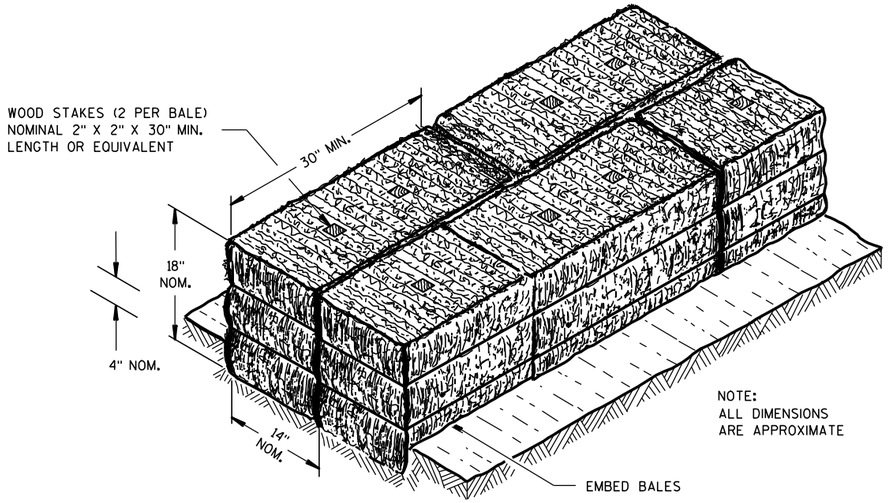
FHWA

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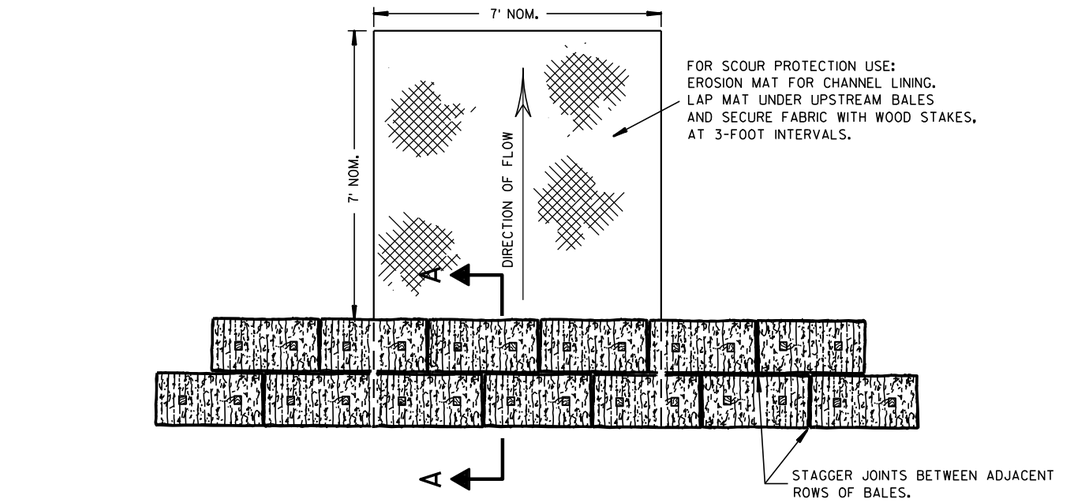
S.D.D. 8 D 16-10

6

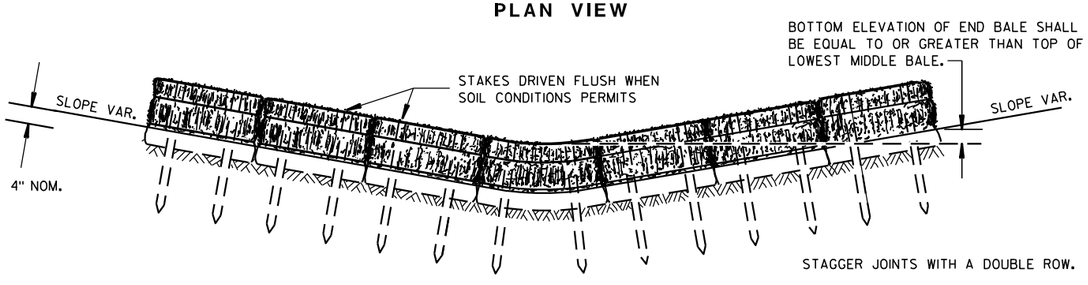
S.D.D. 8 D 16-10



SECTION A-A



PLAN VIEW



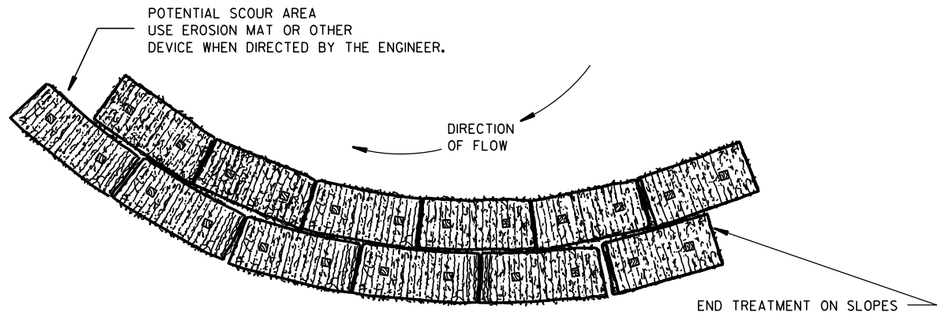
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

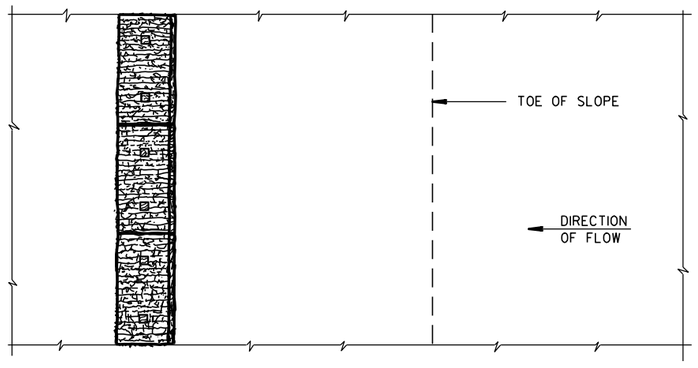
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

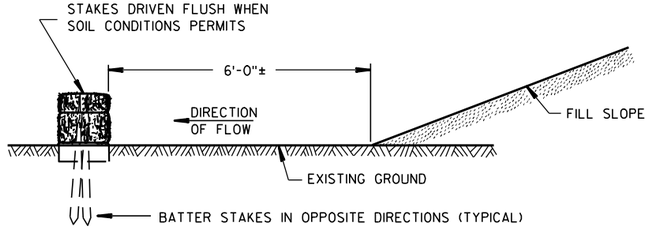


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

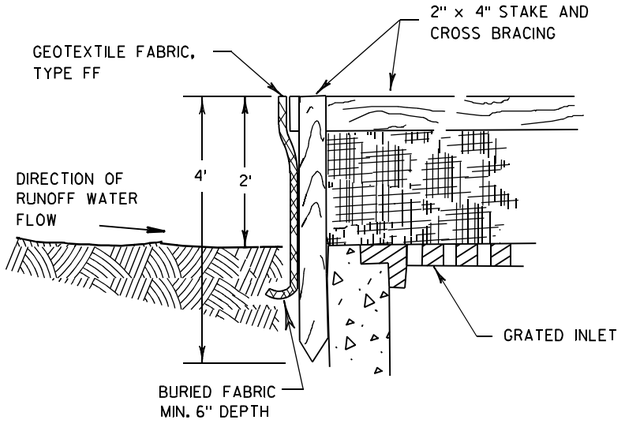
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

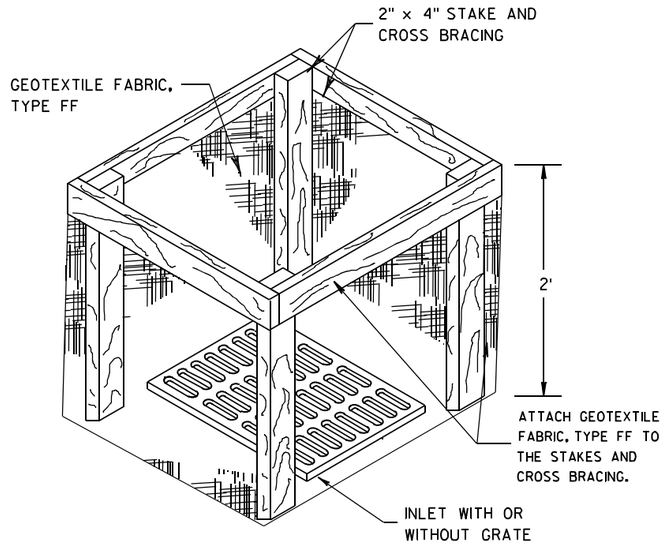
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S.D.D. 8 E 8-3

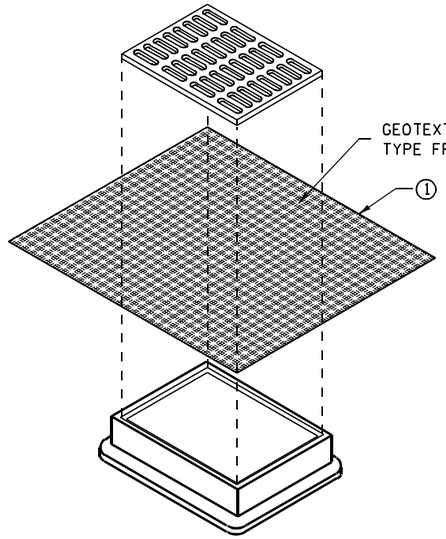
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S.D.D. 8 E 8-3



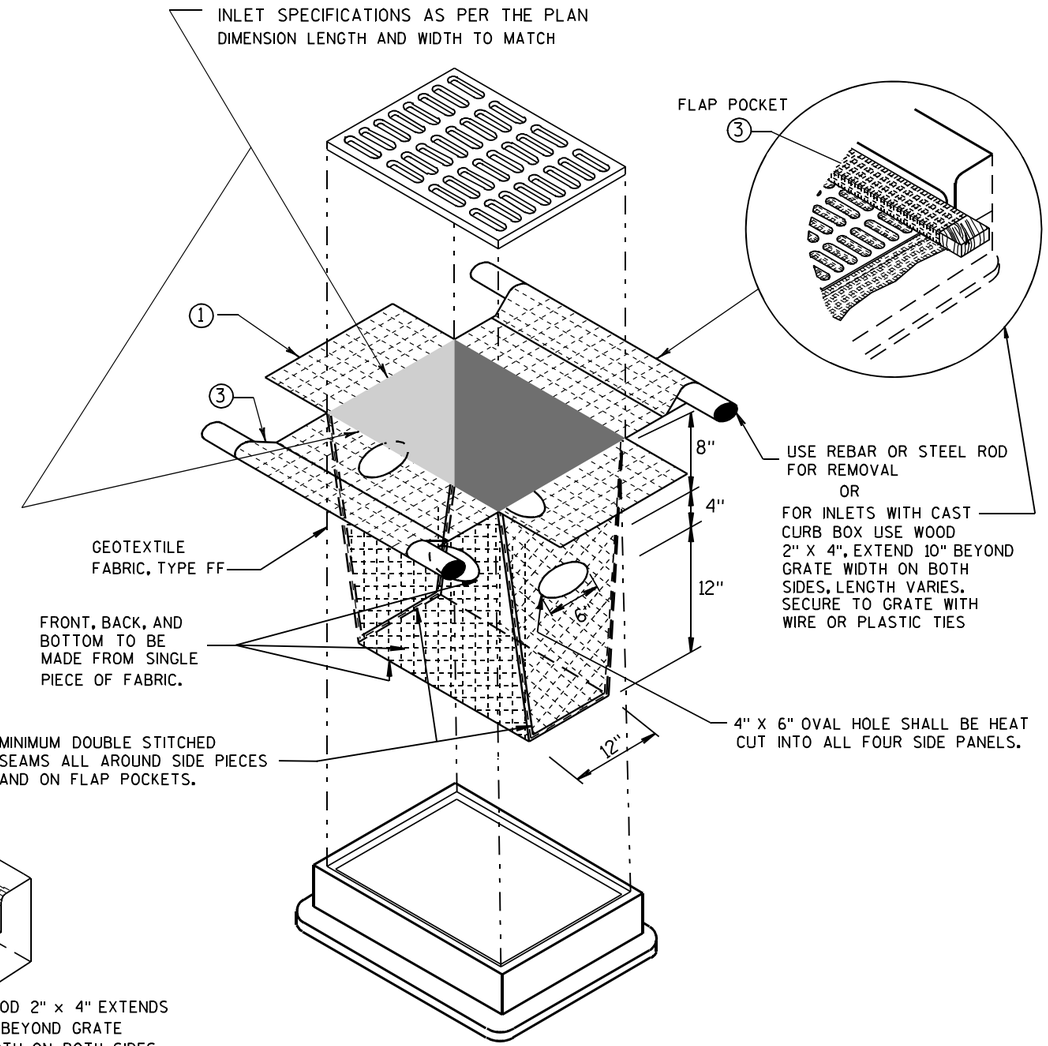


INLET PROTECTION, TYPE A



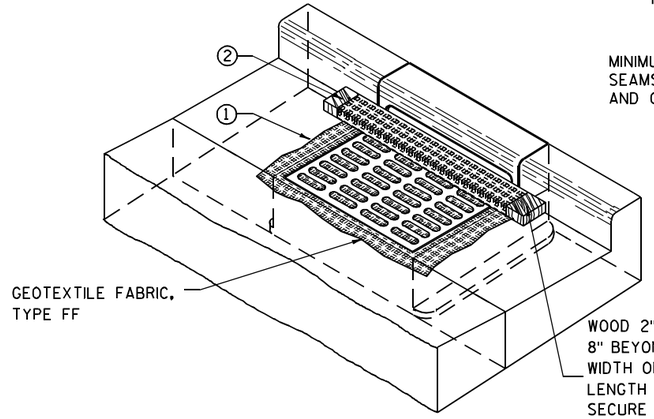
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

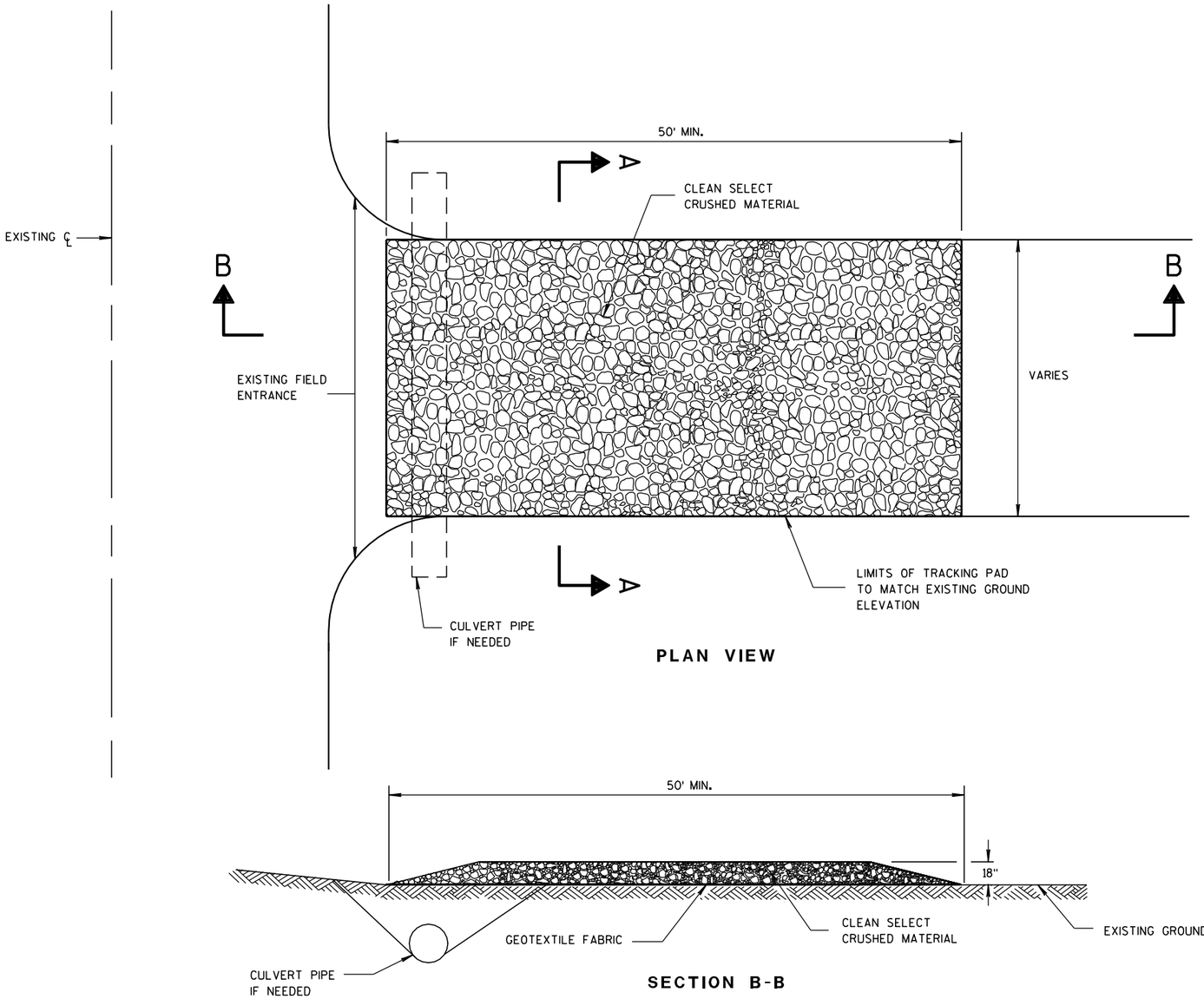
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

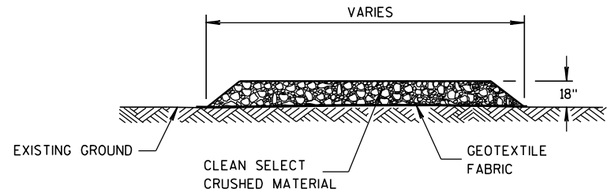
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

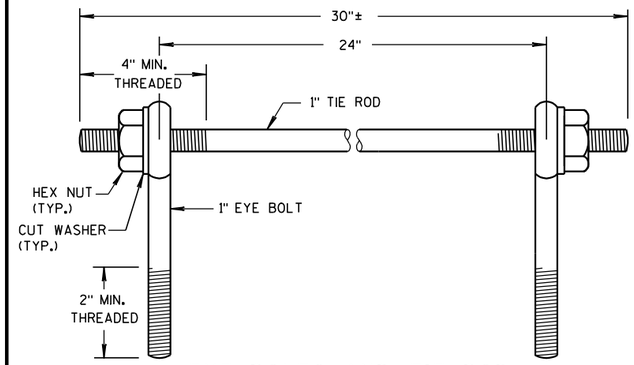
APPROVED

3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER	ENT

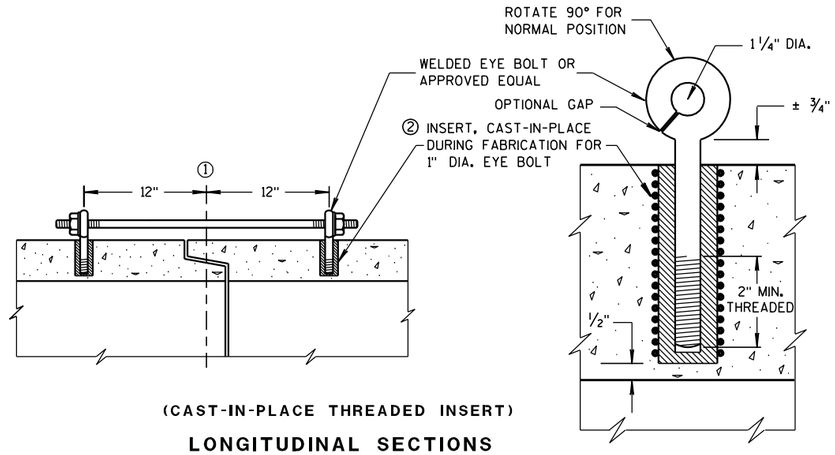
FHWA

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S.D.D. 8 E 14-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

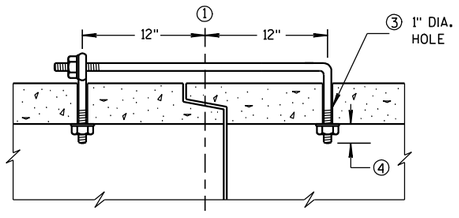
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

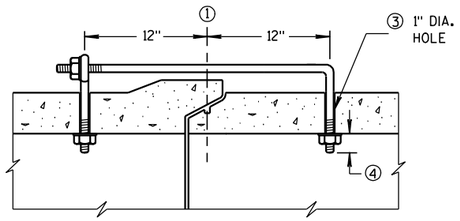
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

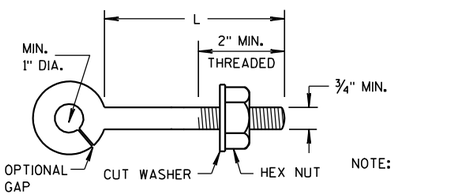


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

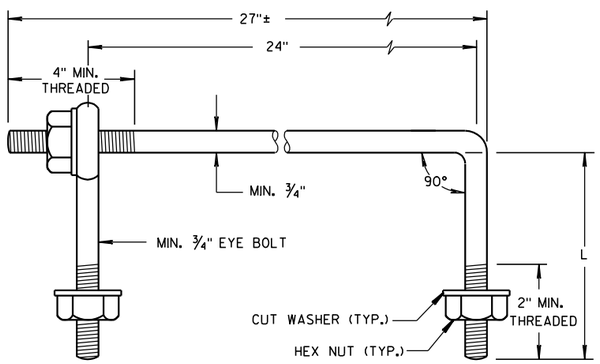
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

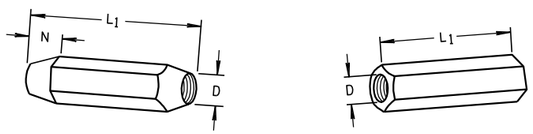
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

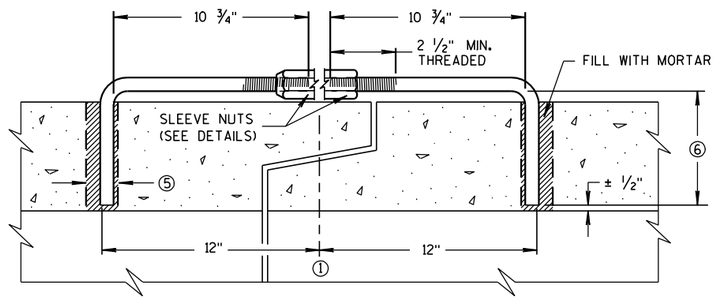
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

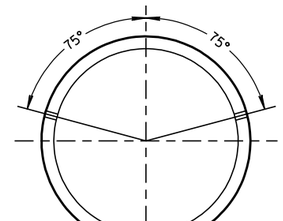
SLEEVE NUTS



LONGITUDINAL SECTION

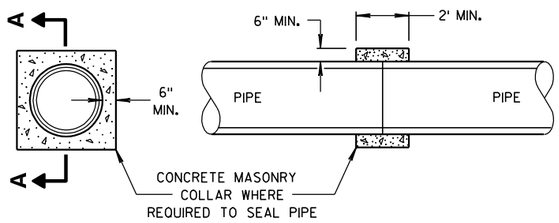
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

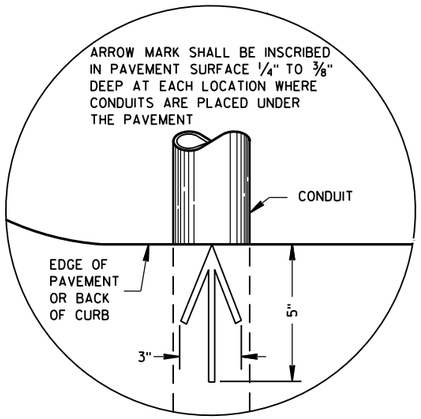
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 F 4-7

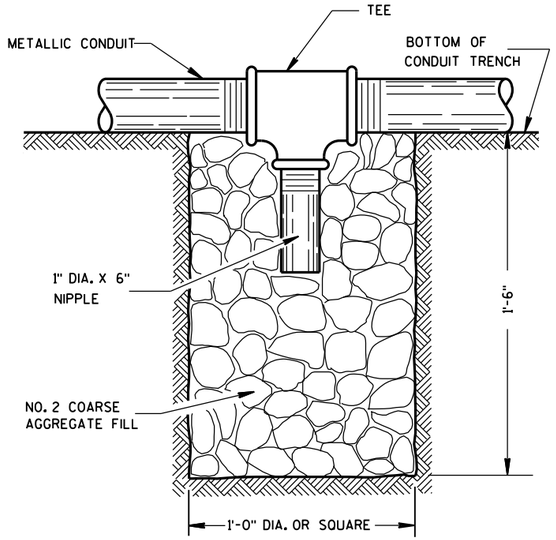
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S.D.D. 8 F 4-7



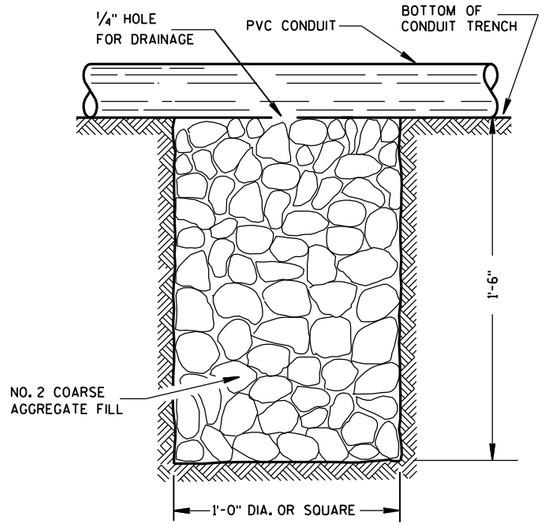
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

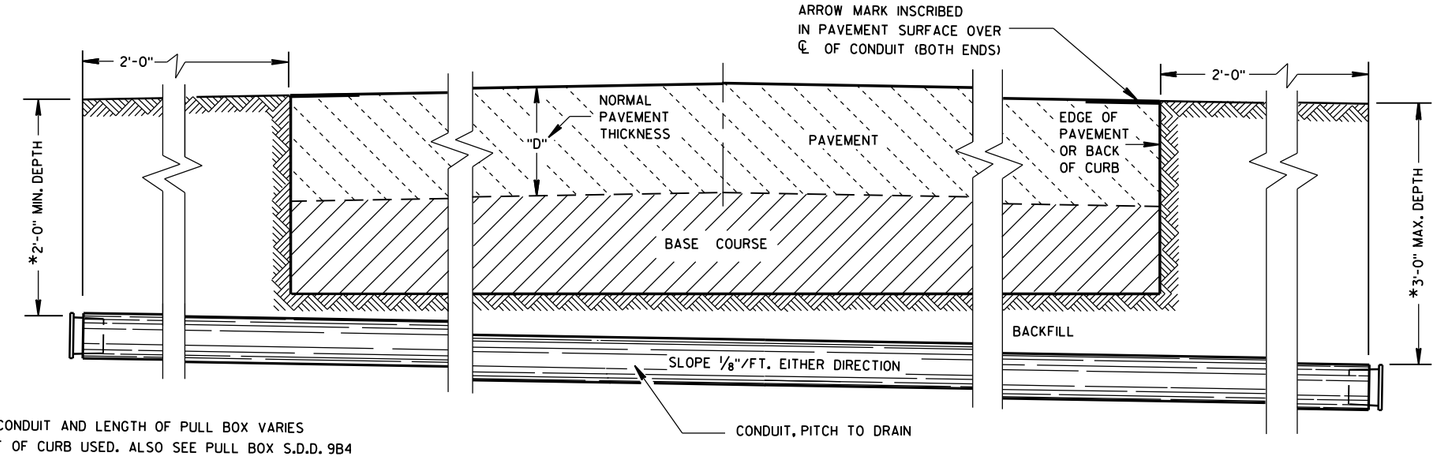
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

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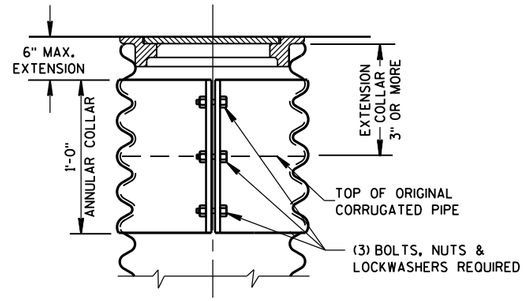
S.D.D. 9 B 2-8

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

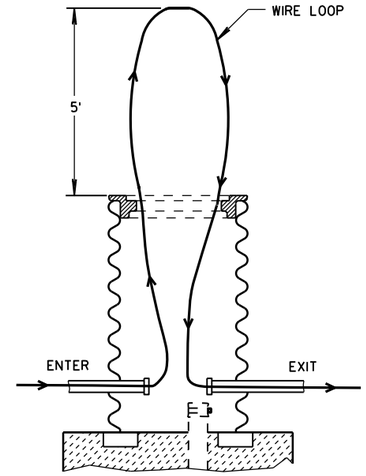
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

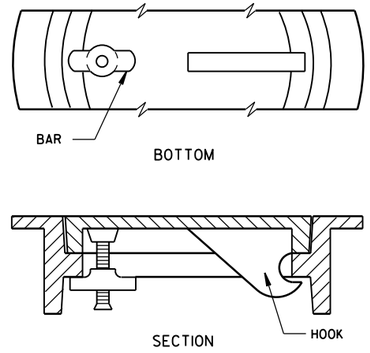
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

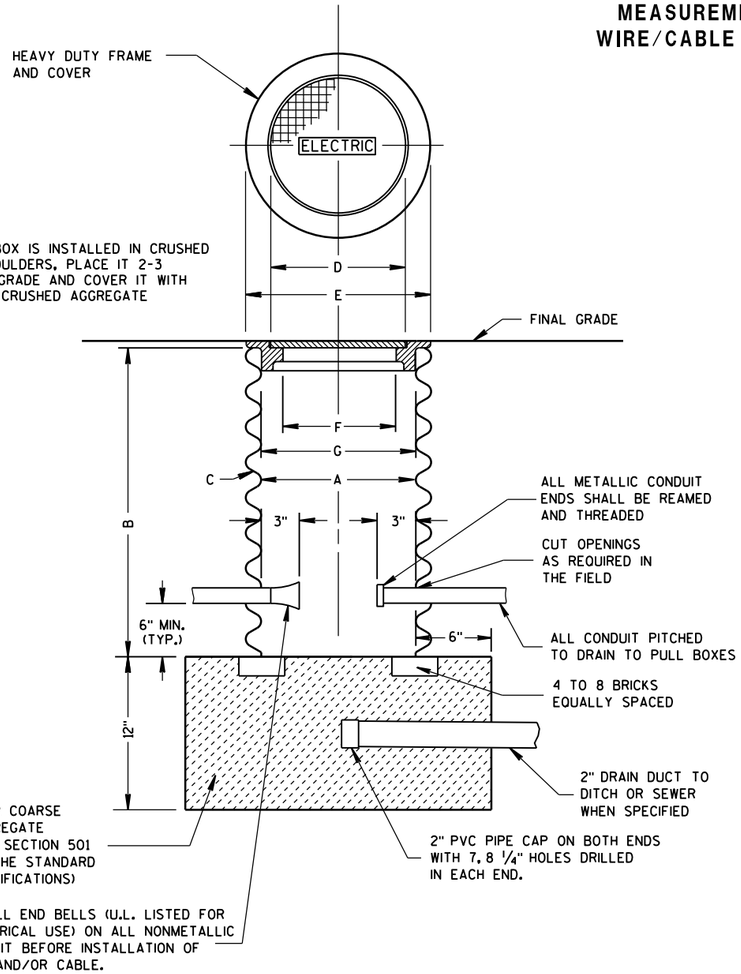


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



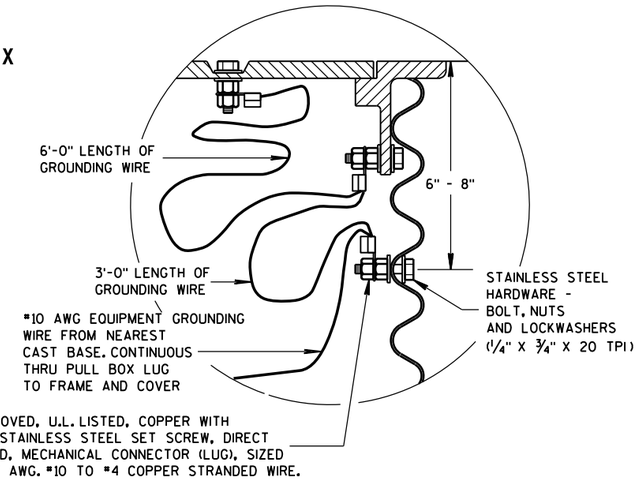
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

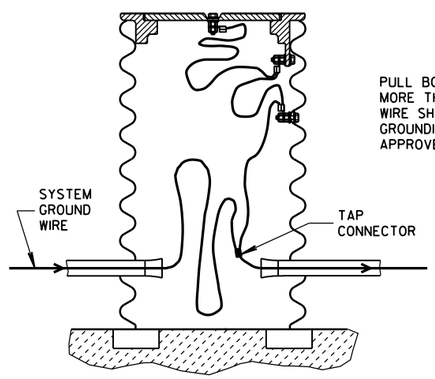


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

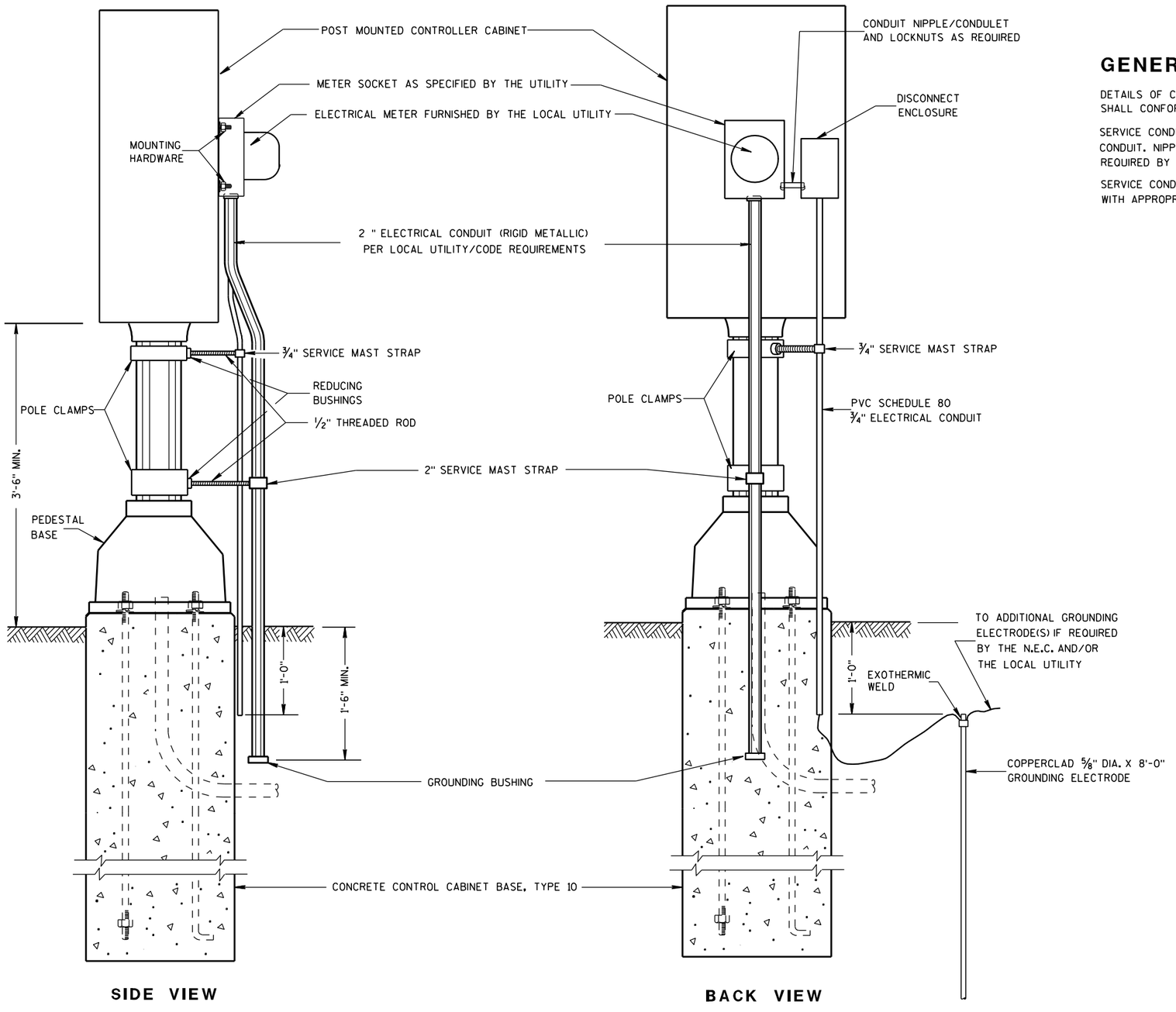
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



POST MOUNTED CONTROLLER SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID STEEL OR SCHEDULE 80 PVC ELECTRICAL CONDUIT. NIPPLES AND/OR CONDULETS, WITH LOCK NUTS AND GROUNDING BUSHINGS AS REQUIRED BY THE N.E.C. OR THE LOCAL UTILITY.

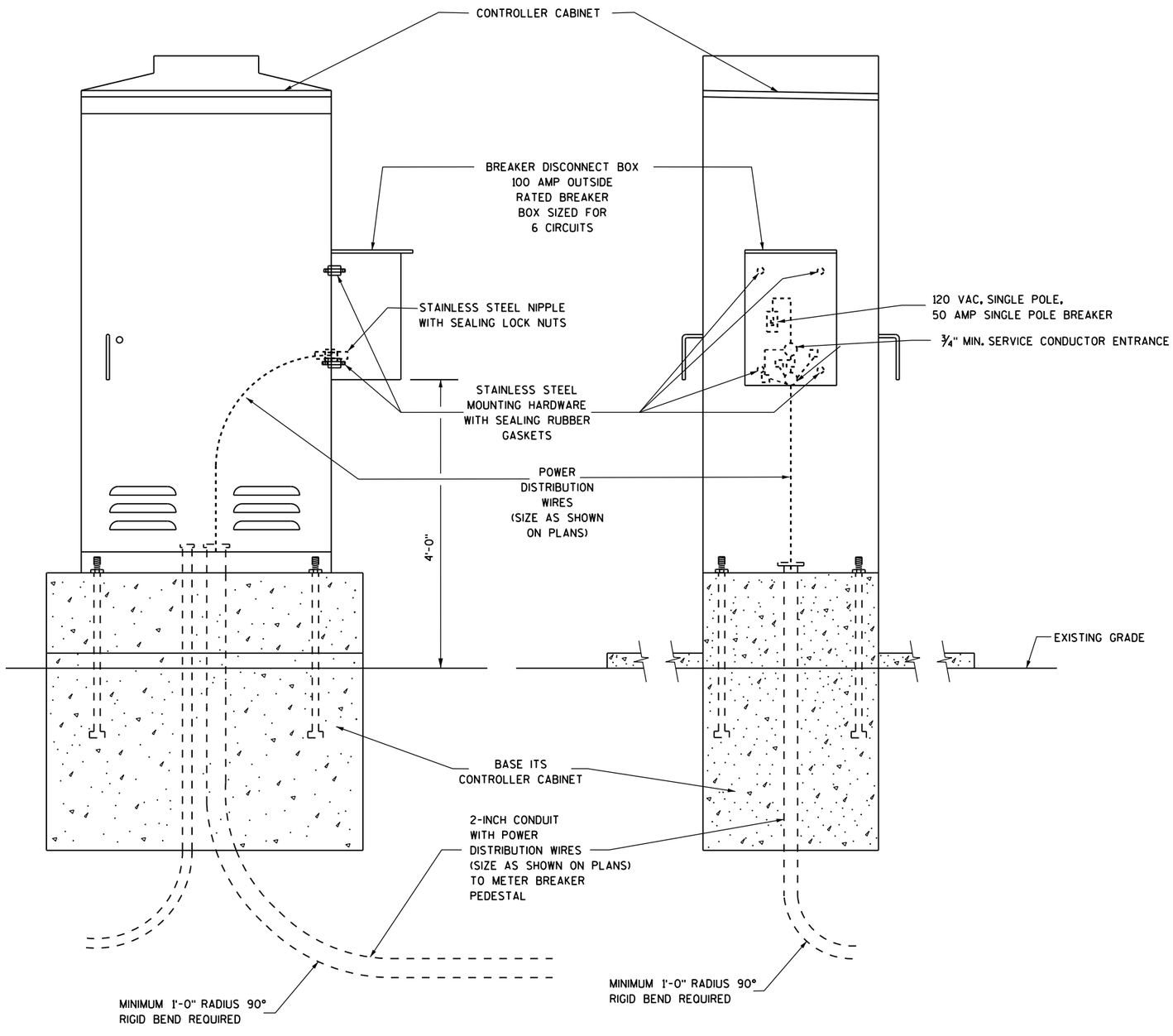
SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AS REQUIRED AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED ELECTRICAL CODE.

POST MOUNTED CONTROLLER SERVICE INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2003 DATE
/S/ Balu Ananthanarayanan
STATE ELECTRICAL ENGI
FHWA

6
S.D.D. 9 D 3-2



CABINET BREAKER DISCONNECT BOX INSTALLATION

GENERAL NOTES

MINIMUM REQUIREMENT SHOWN. ADDITIONAL BREAKERS MAY BE REQUIRED.

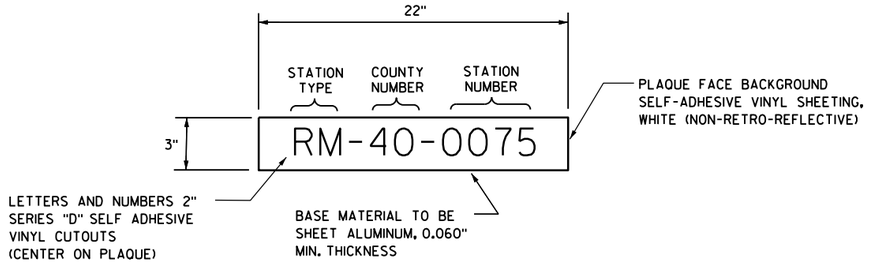
UP TO THREE BREAKERS WILL BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER DISCONNECT BOX.

CABINET BREAKER DISCONNECT BOX INSTALLATION

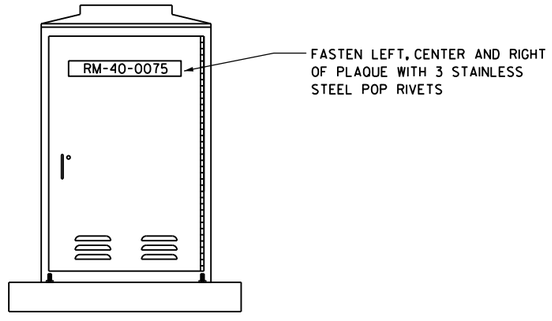
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 9 H 5-1

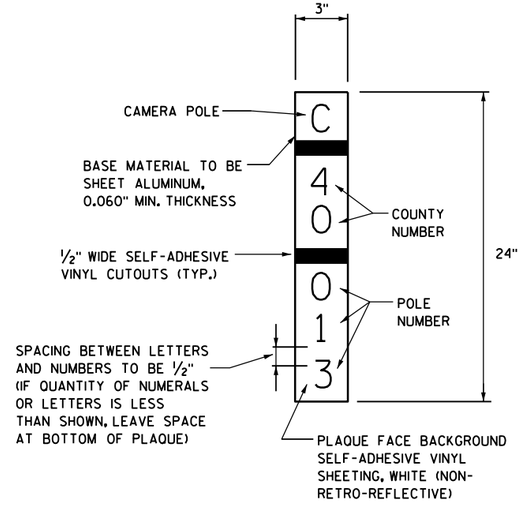


CONTROL CABINET IDENTIFICATION PLAQUE DETAIL

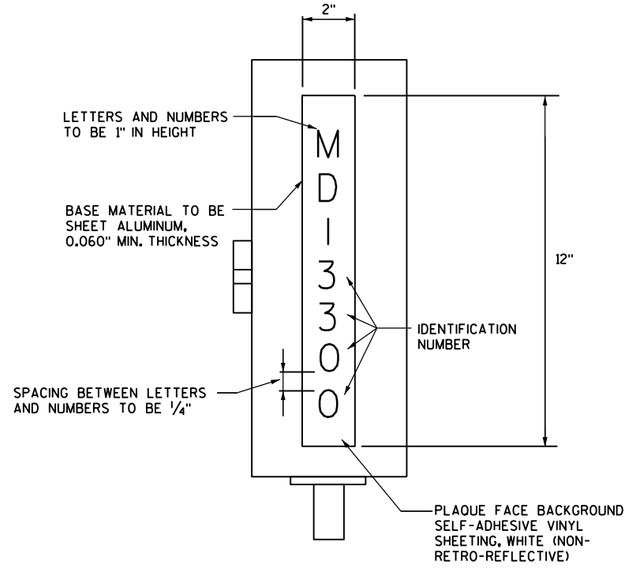


CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



POLE IDENTIFICATION PLAQUE DETAIL



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE (2), FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR

IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

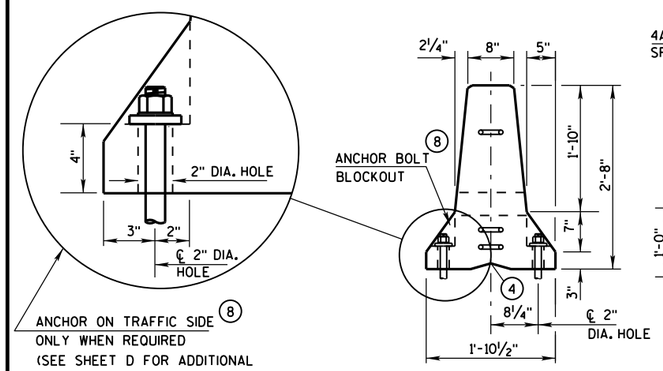
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demribilek — STATE ELECTRICAL
FHWA

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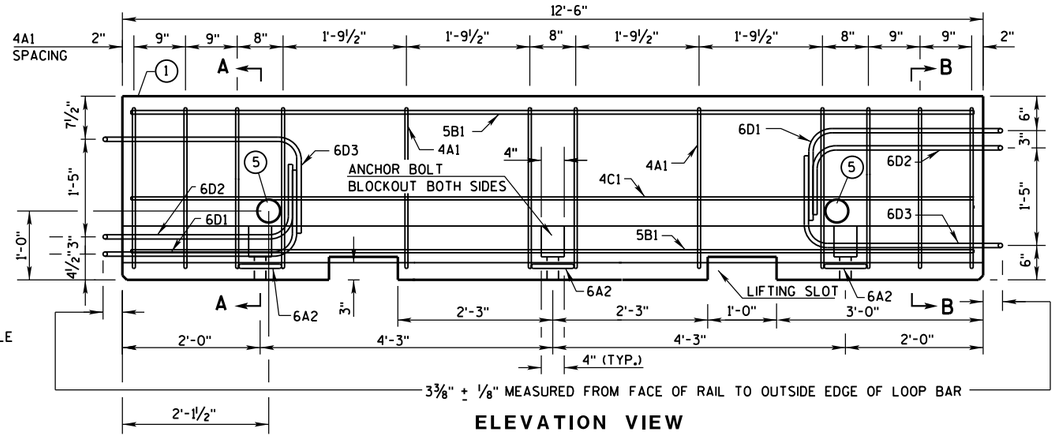
S.D.D. 9 H 11-1

6

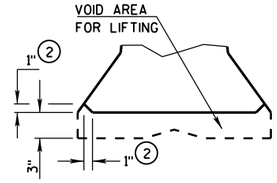
S.D.D. 9 H 11-1



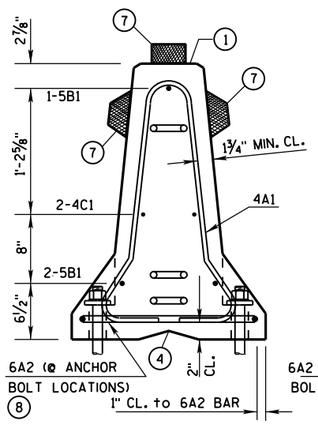
END VIEW



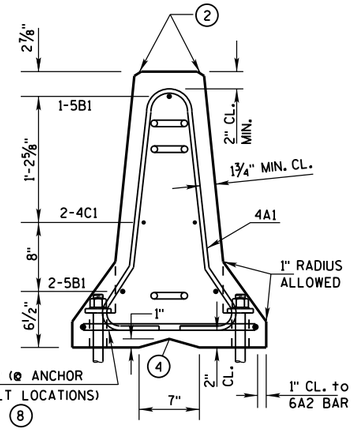
ELEVATION VIEW



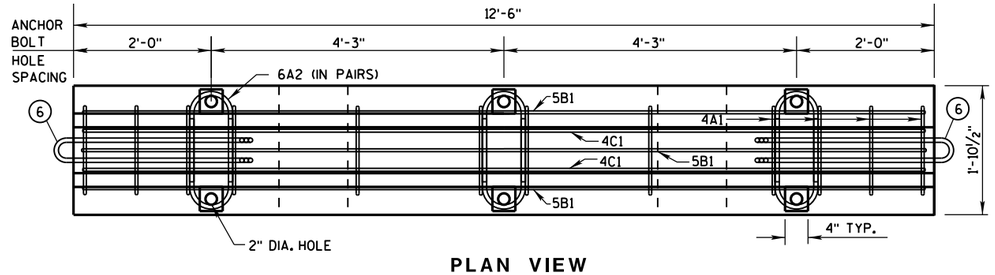
DETAIL "B"
LIFTING SLOT DETAIL



SECTION A-A
(STIRRUP PLACEMENT)

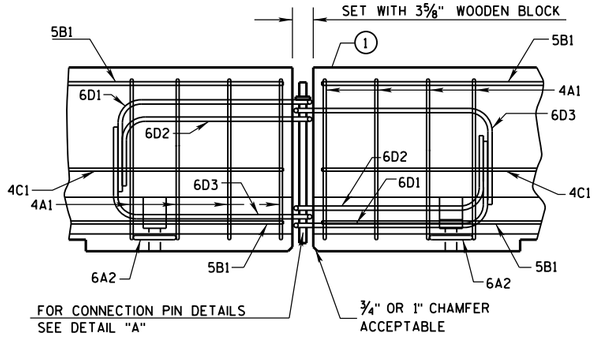


SECTION B-B
(STIRRUP PLACEMENT)

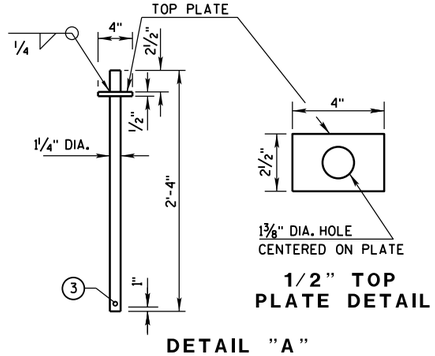


PLAN VIEW

DETAILS OF BARRIER SECTION

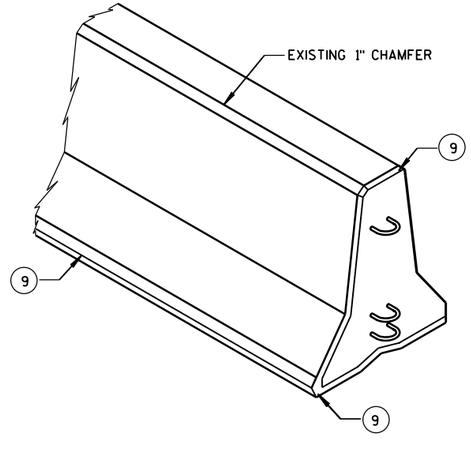


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-14(a) THRU 14B7-14(h).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR ANCHORING CRITERIA.

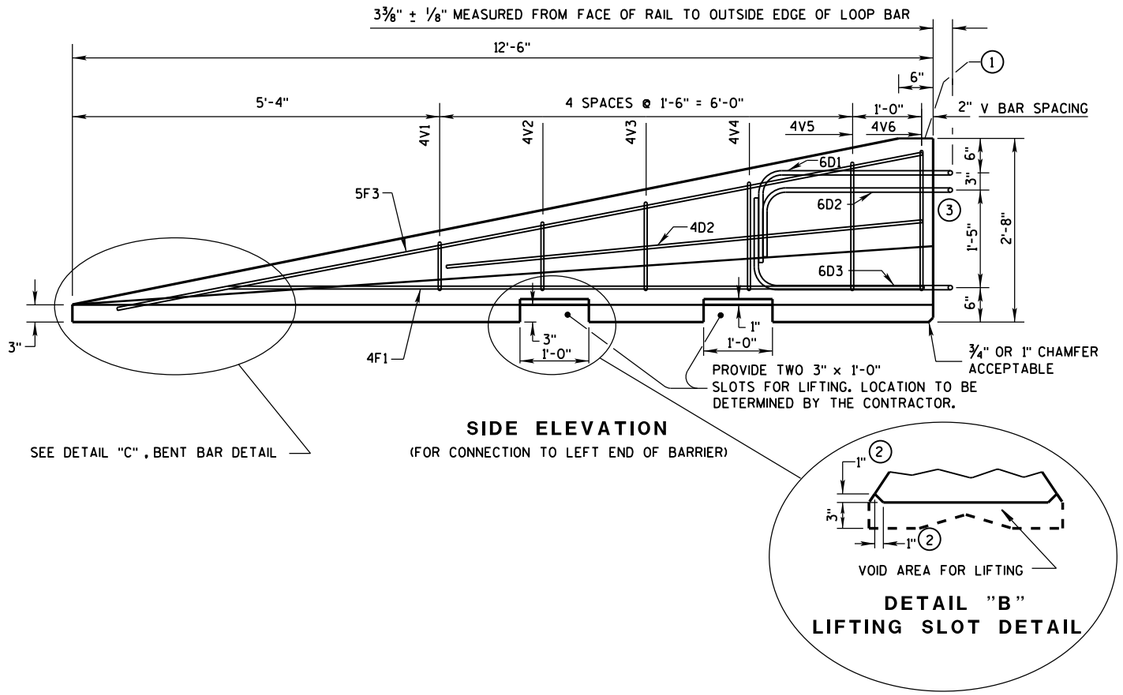
(9) 1" CHAMFER OPTIONAL.

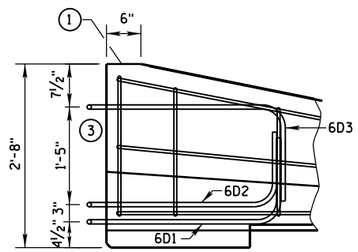
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

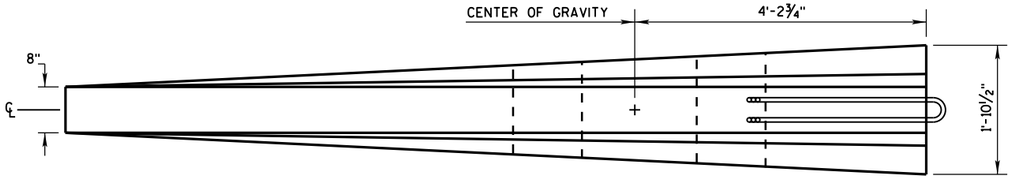
S.D.D. 14 B 7-14a

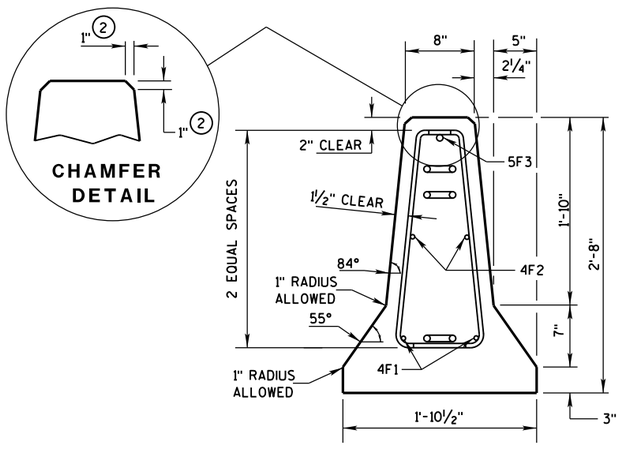


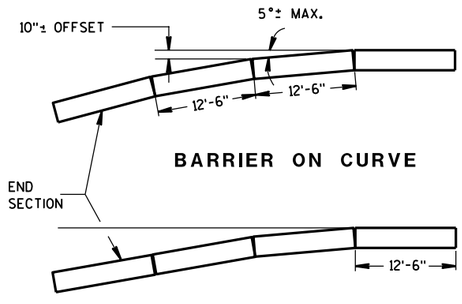


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

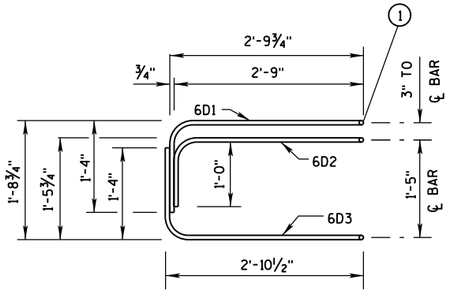
6

S.D.D. 14 B 7-14b

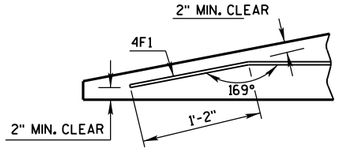
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

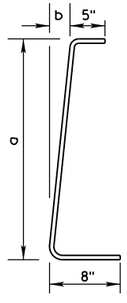
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

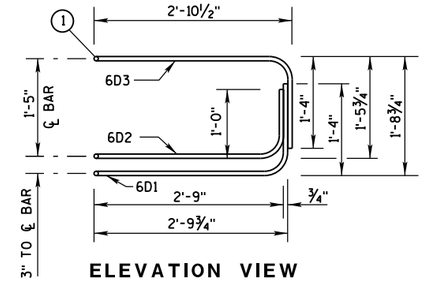
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

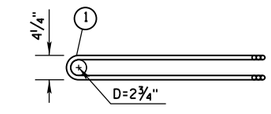
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

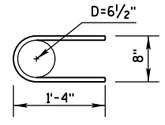
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



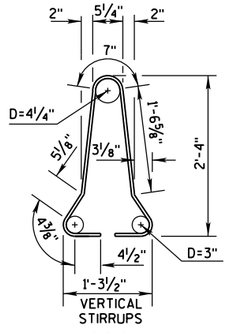
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

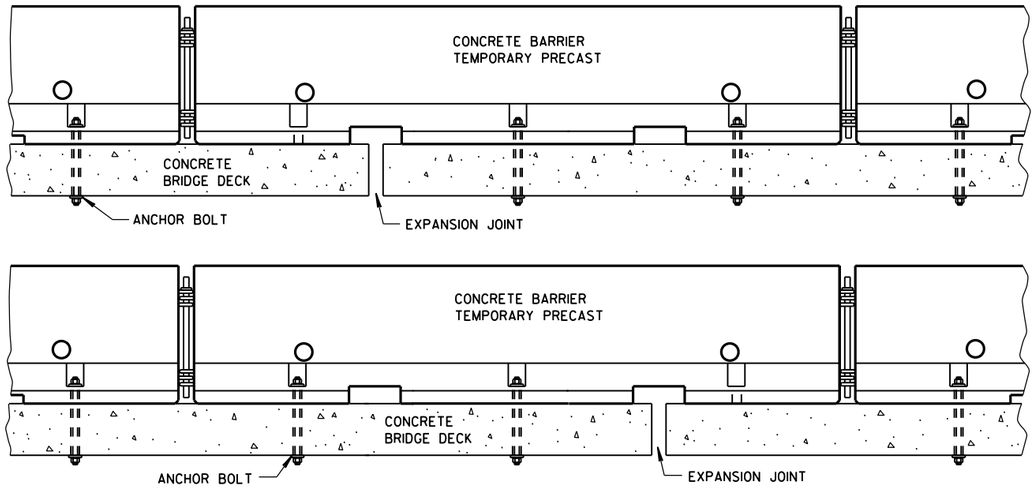
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

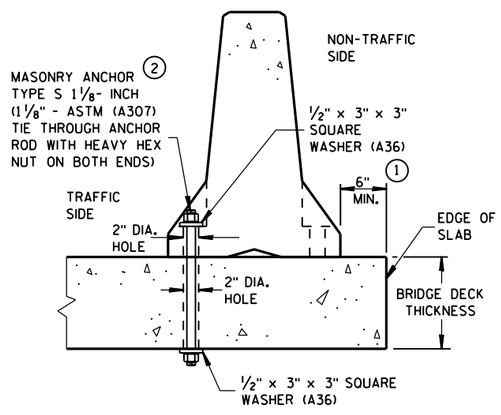
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S.D.D. 14 B 7-14c



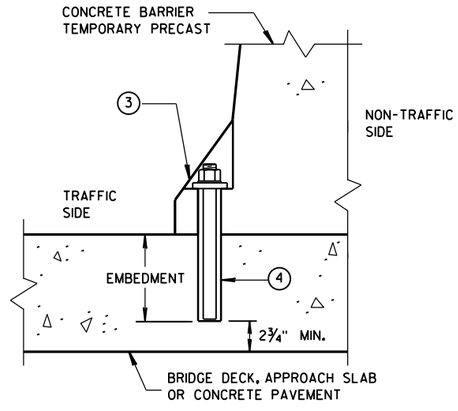
TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)



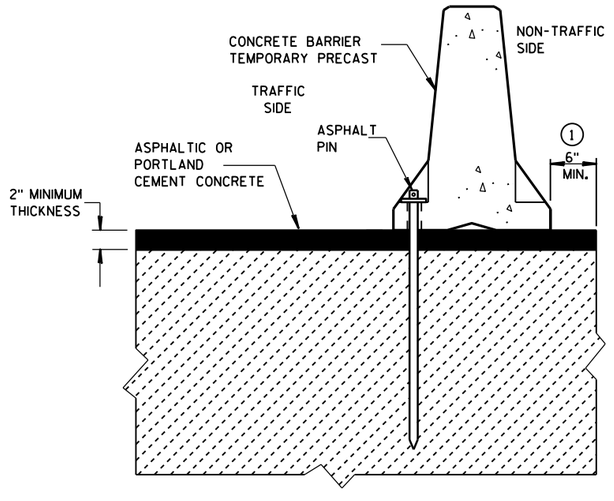
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)



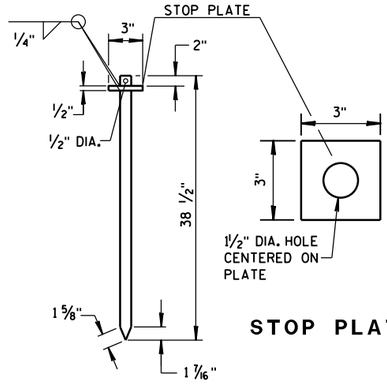
REMOVABLE ADHESIVE BONDED ANCHOR ② INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

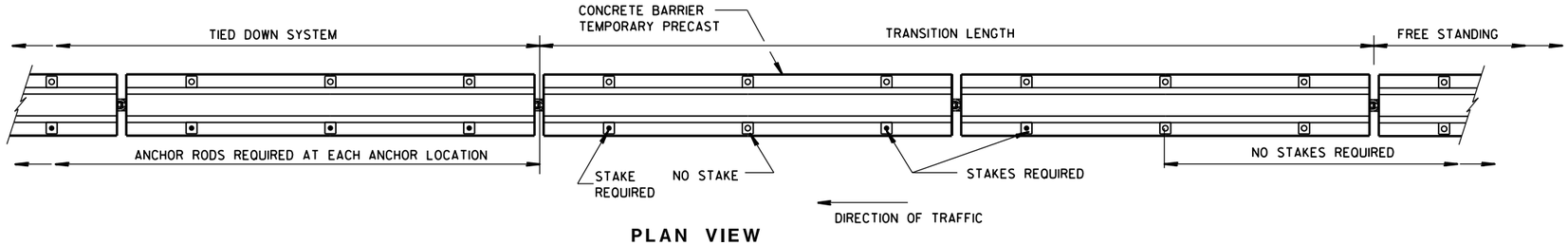
(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



STOP PLATE

ASPHALT PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

GENERAL NOTES

① CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" SHALL BE ANCHORED IF:
THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 4 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 45 MPH OR GREATER, OR

THE DISTANCE TO A 2 FOOT OR GREATER DROPOFF THAT IS STEEPER THAN 3H : 1V, FOR EXAMPLE THE EDGE OF A BRIDGE DECK OR A DROPOFF AT THE EDGE OF PAVEMENT, IS LESS THAN 2 FEET FROM THE SIDE OF THE BARRIER CLOSEST TO THE DROPOFF AND THE POSTED SPEED IS 40 MPH OR LESS.

② ANCHORING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST.

WITH THE APPROVAL OF THE ENGINEER, REMOVABLE ADHESIVE BONDED ANCHOR BOLT INSTALLATION MAY BE USED IN LIEU OF THROUGH BOLTED ANCHOR INSTALLATION. THE ADHESIVE BONDED ANCHOR BOLT MUST BE REMOVABLE. USE ASTM (A307) MASONRY ANCHORS TYPE S 1⅛-INCH, EMBEDDED TO A DEPTH SUFFICIENT TO DEVELOP THE ULTIMATE CAPACITY OF THE ANCHOR BOLT AND PROVIDE DOCUMENTATION TO CONFIRM THIS.

UPON REMOVAL OR RELOCATION OF THE BARRIER UNITS, REMOVE ALL ANCHOR BOLTS AND COMPLETELY FILL IN THE REMAINING HOLES IN CONCRETE BRIDGE DECKS, CONCRETE APPROACH SLABS AND CONCRETE PAVEMENTS THAT ARE TO REMAIN, WITH A NON-SHRINK COMMERICAL GROUT OR MATERIAL IDENTIFIED ON THE CURRENT WISDOT APPROVED PRODUCTS LIST.

③ 1⅛" DIAMENTER A307 THREADED ROD, ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL, ASTM A563A HEAVY HEX NUT.

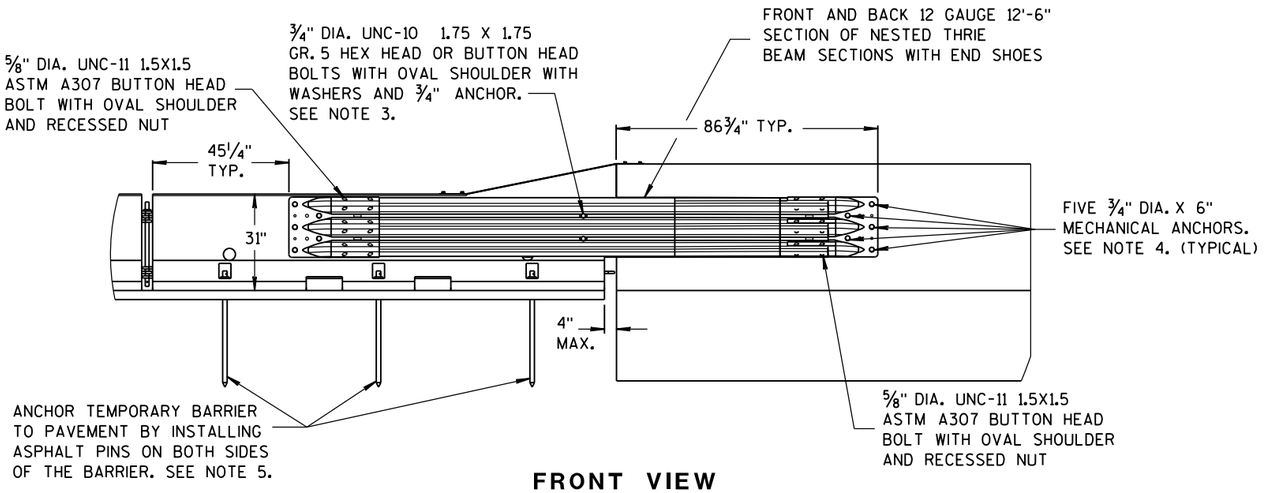
④ ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

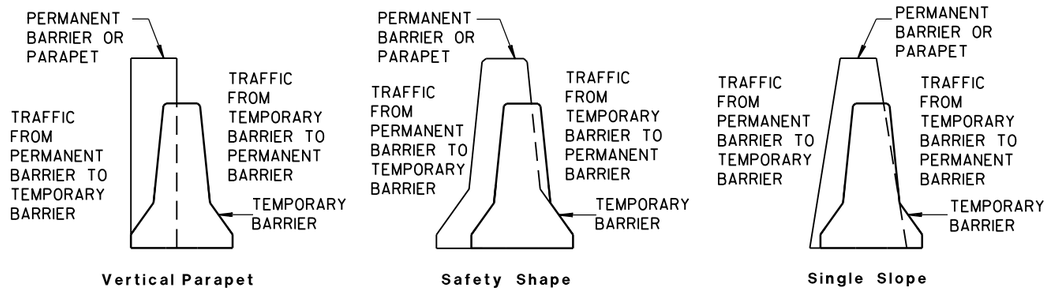
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14d



FRONT VIEW



TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

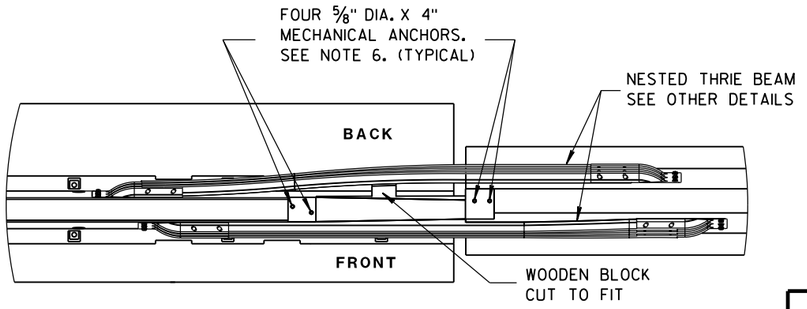
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.

BACK VIEW

FRONT VIEW



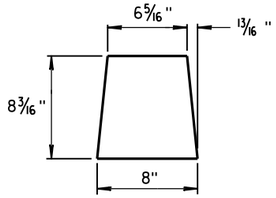
PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

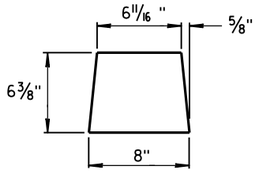
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

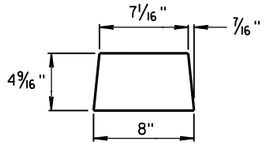
6
S.D.D. 14 B 7-14e



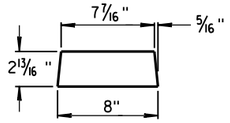
GUSSET 1



GUSSET 2

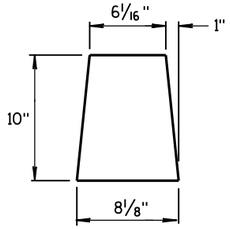


GUSSET 3

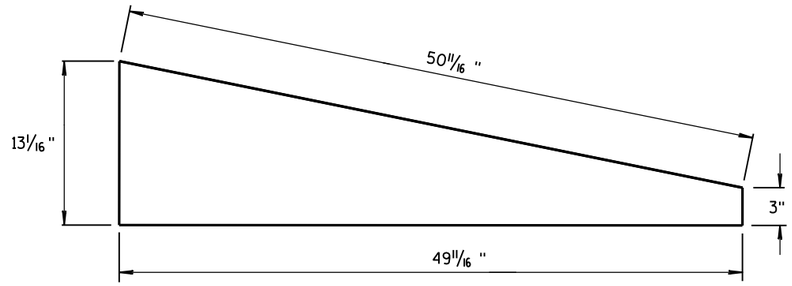


GUSSET 4

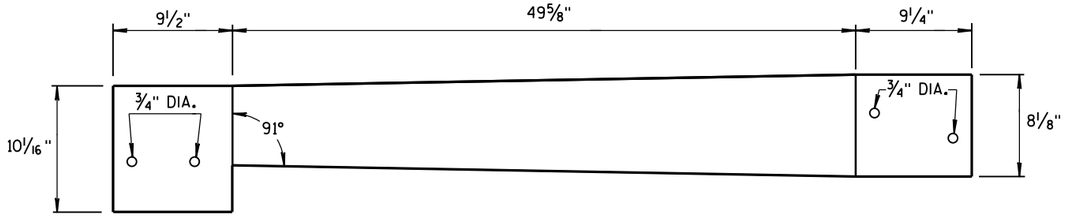
GUSSETS

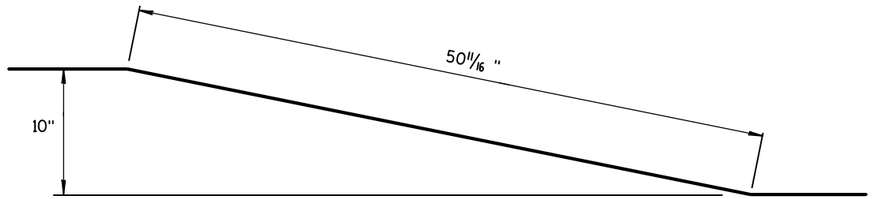


END PLATE



SIDE PLATE

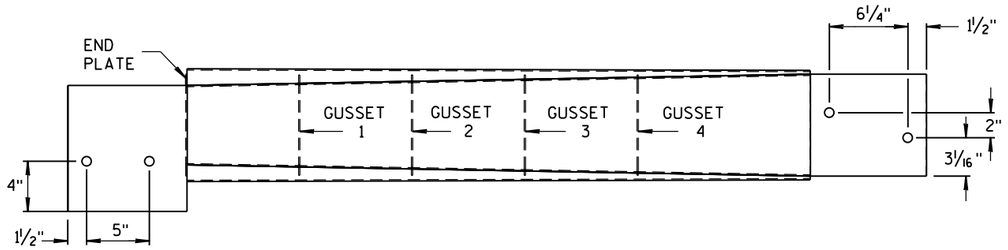


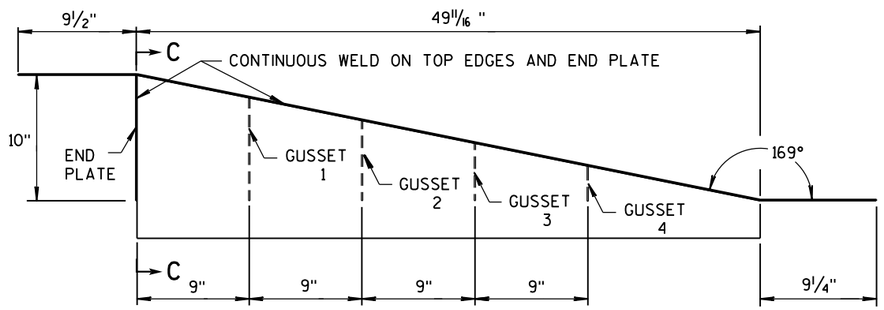


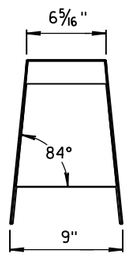
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

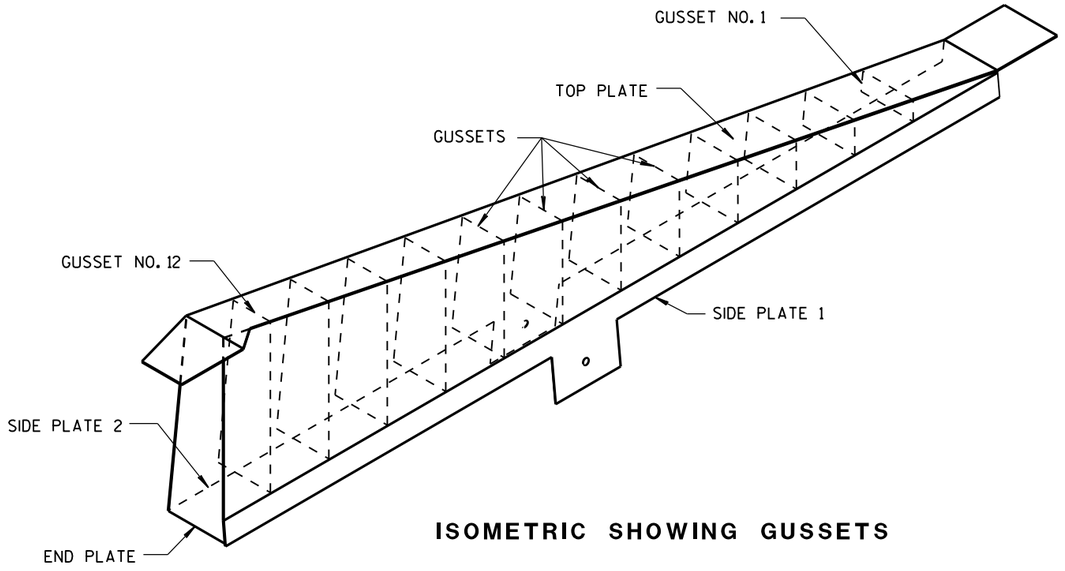
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

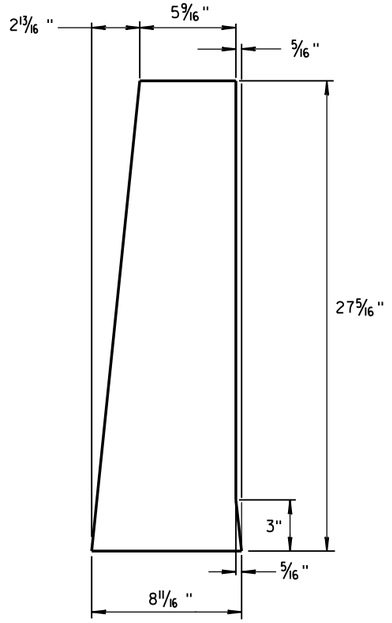
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-14f

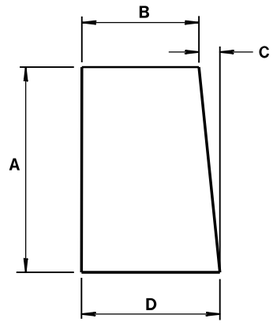


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



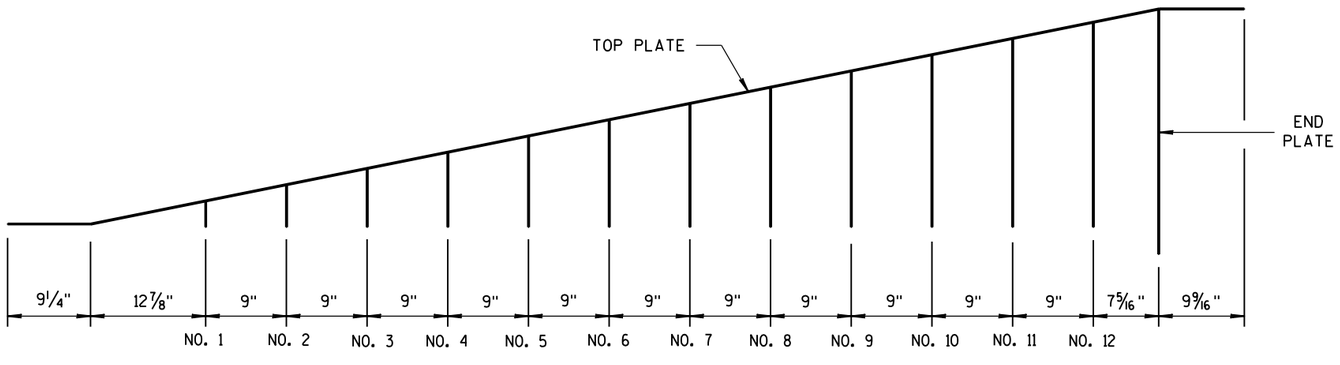
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



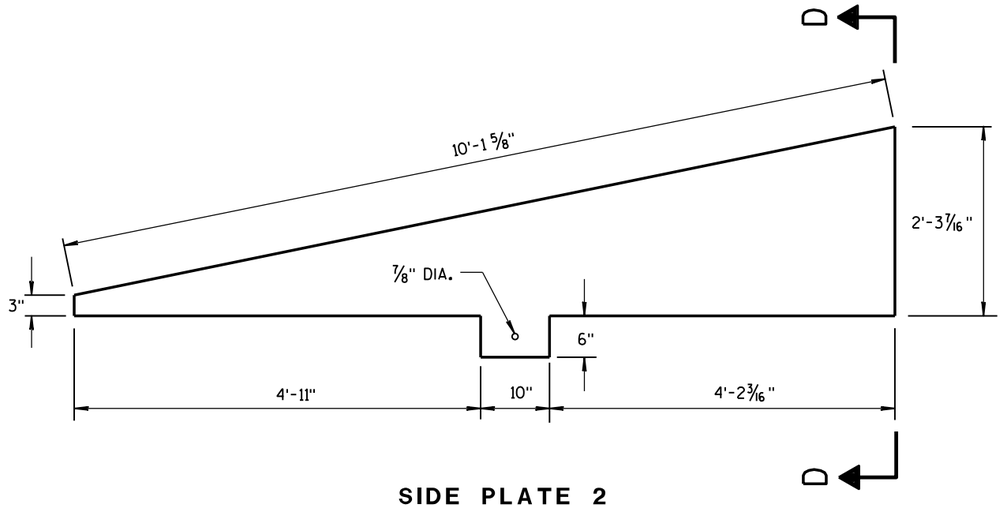
GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

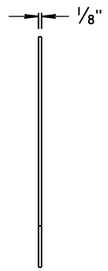
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

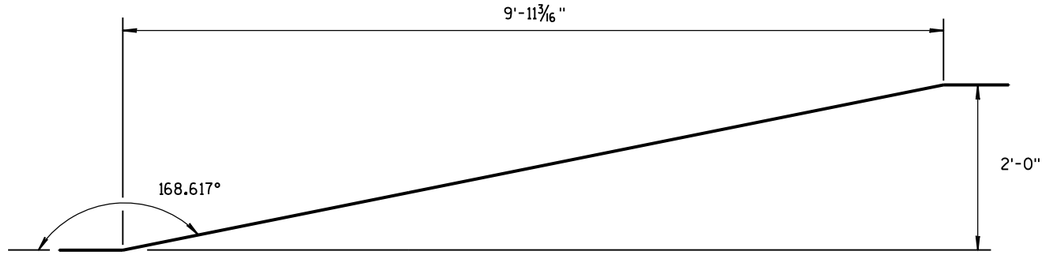
6
S.D.D. 14 B 7-14g



SIDE PLATE 2

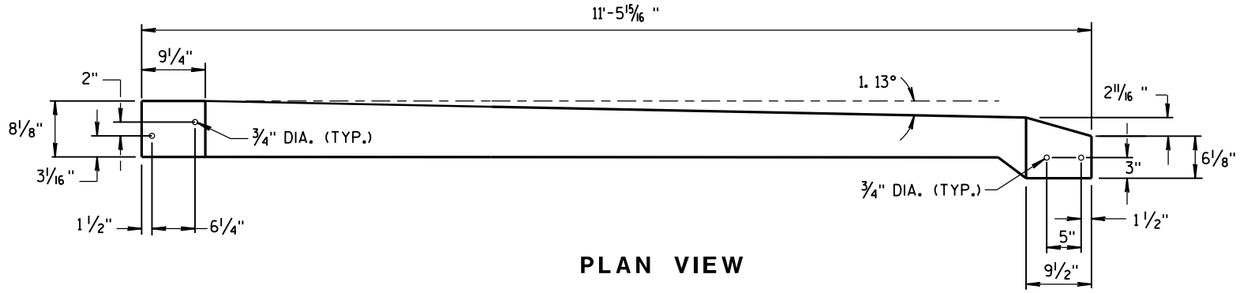


END VIEW



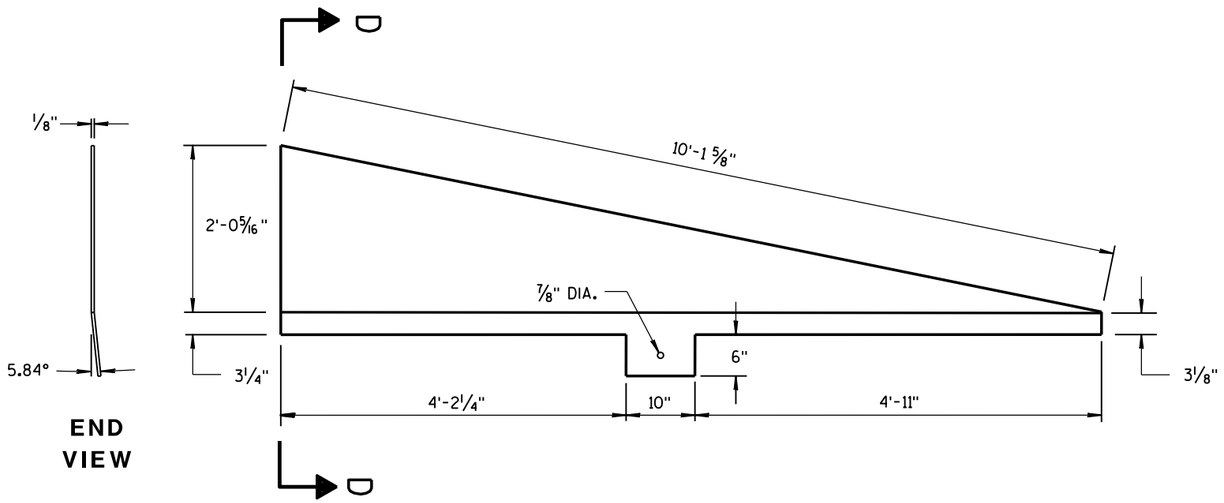
SIDE VIEW

TOP PLATE



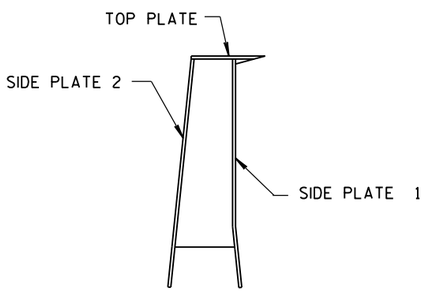
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

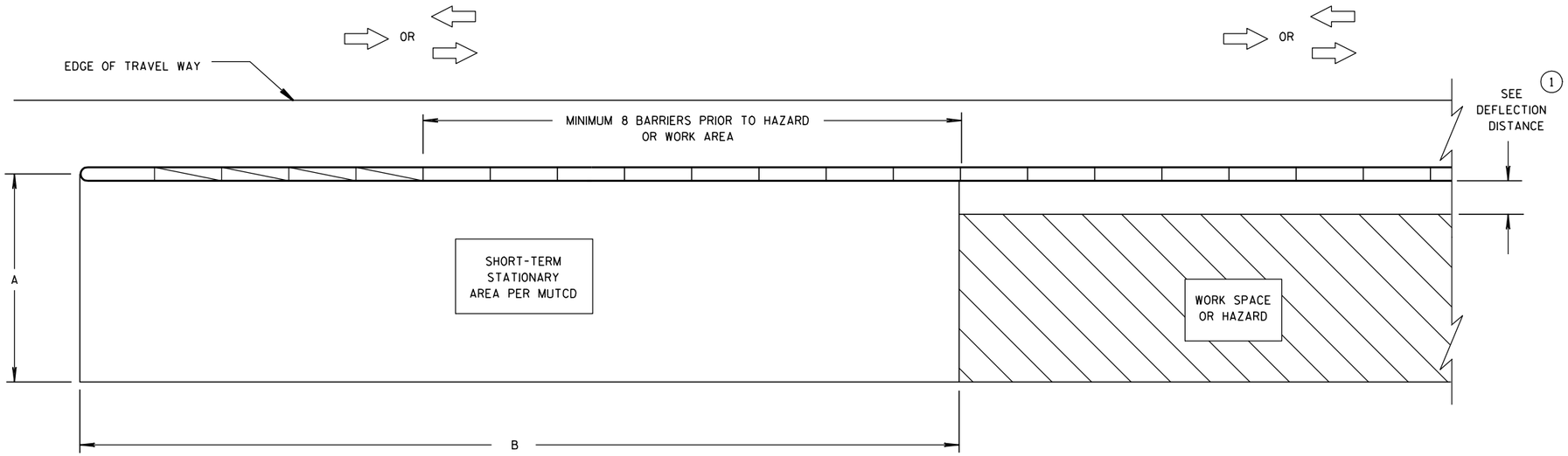
APPROVED
June 2014 — DATE
/S/ Jerry H. Zoaa — ROADWAY STANDARD DEVELOPMENT ENGINEER
FHWA

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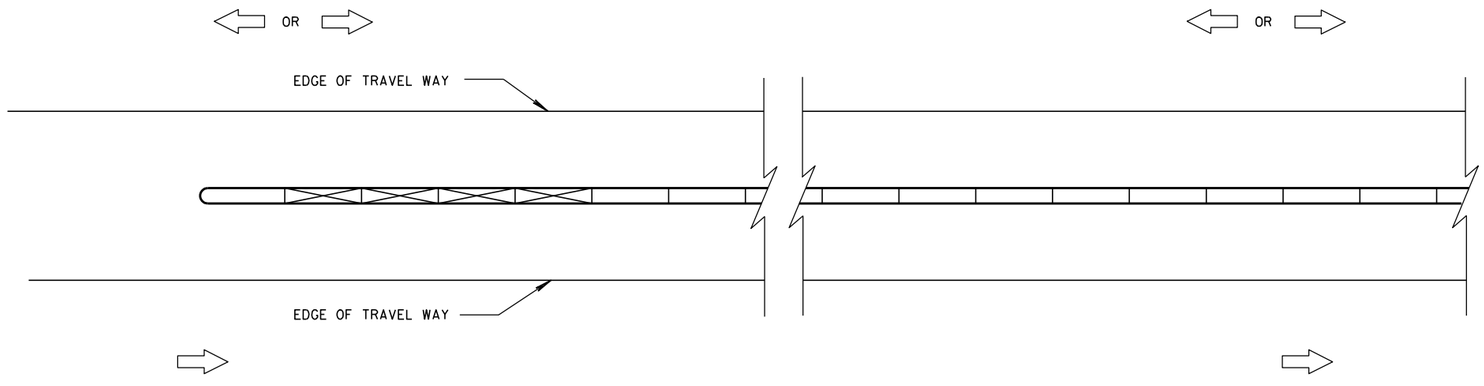
S.D.D. 14 B 7-14h

6

S.D.D. 14 B 7-14h



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

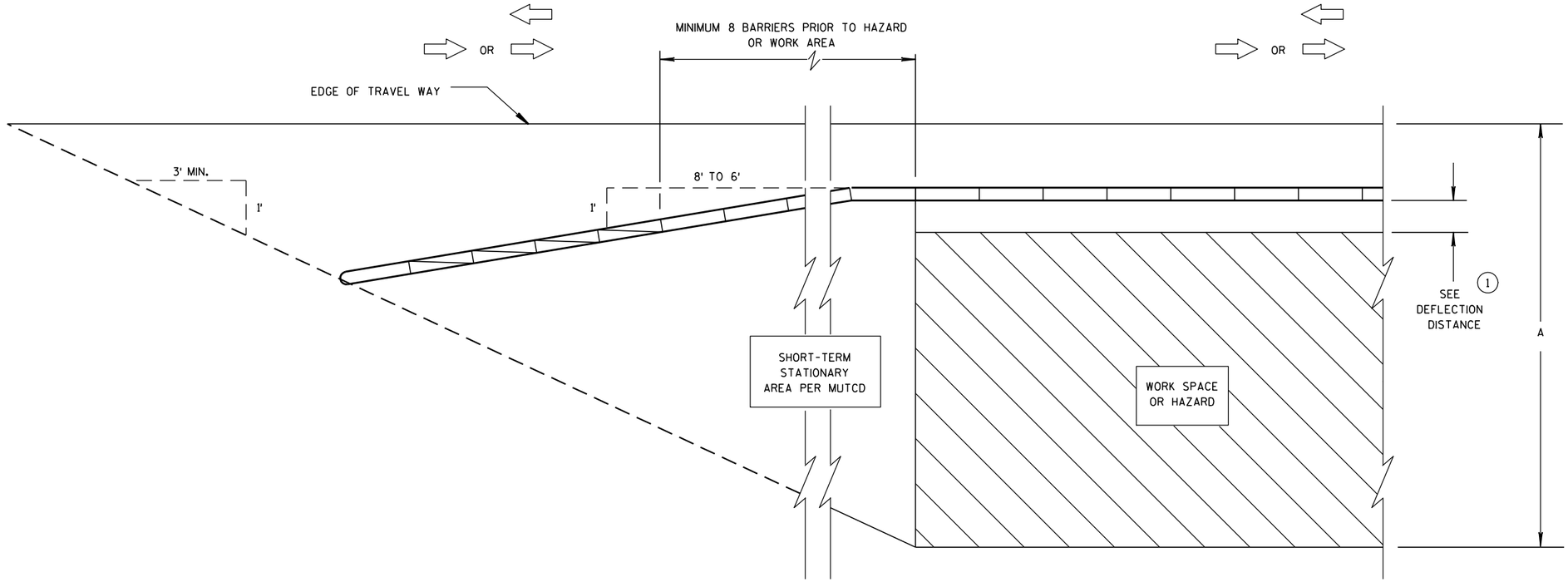
(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

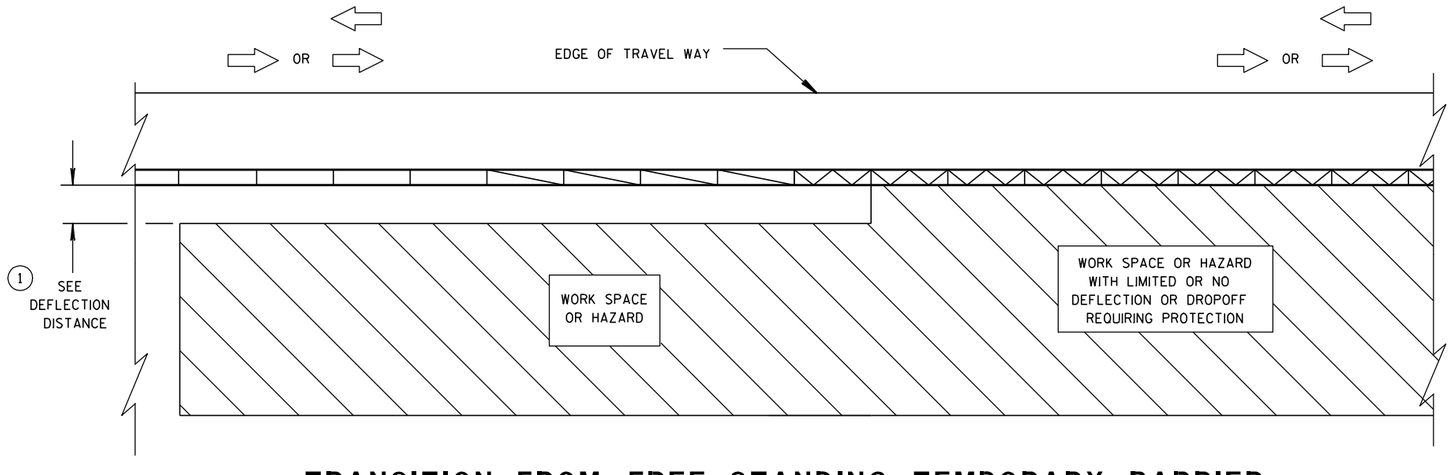
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 8-1a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

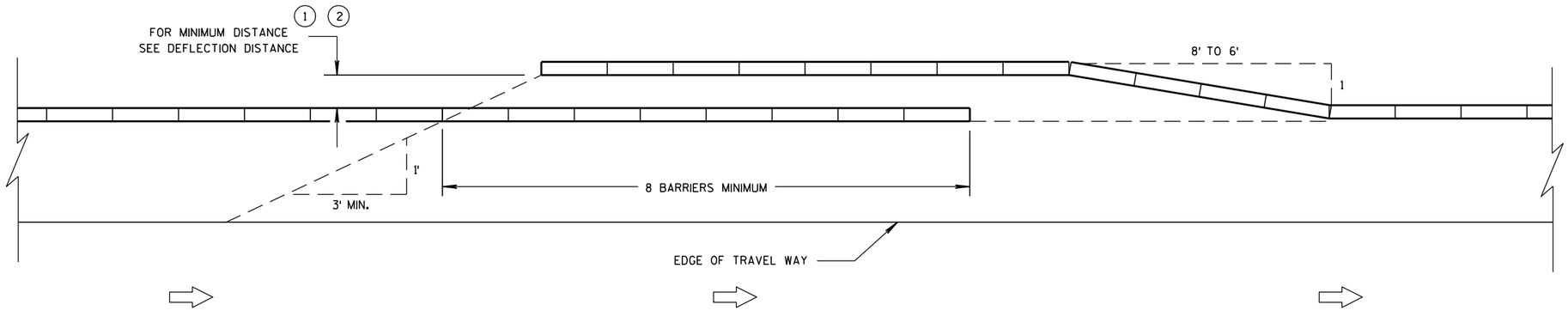
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

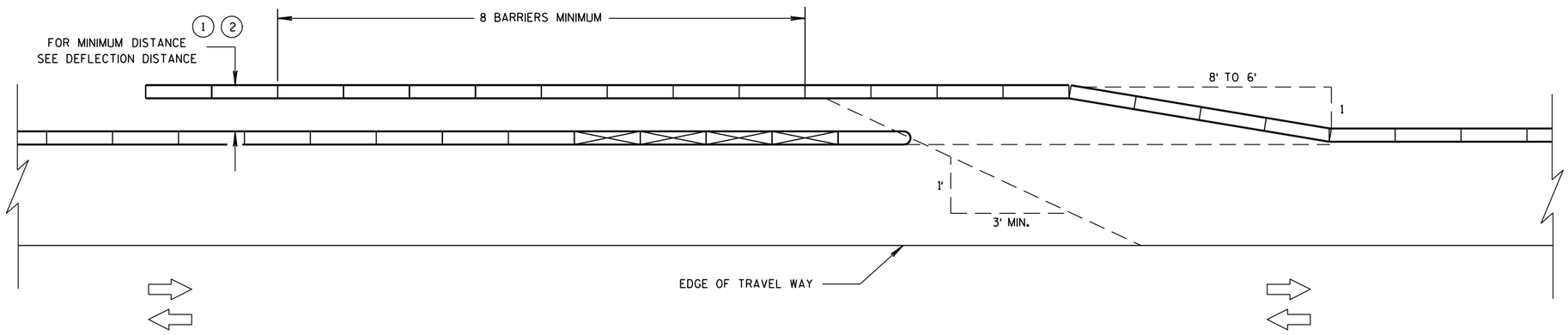
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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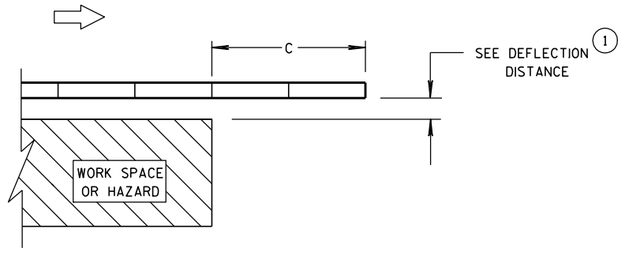
S.D.D. 14 B 8-1b



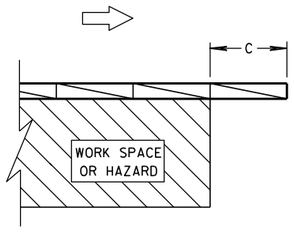
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

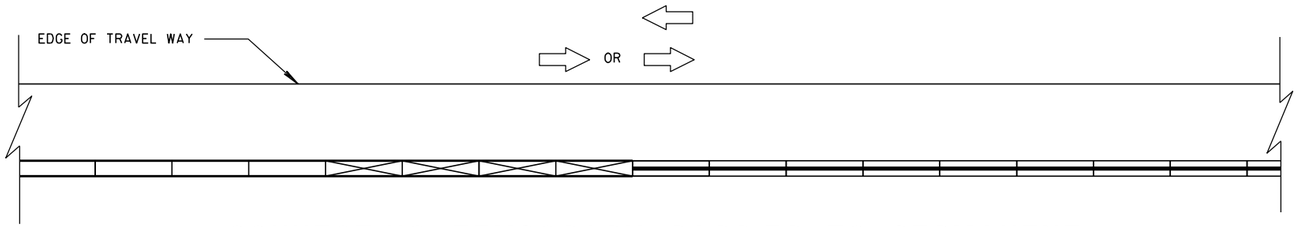
LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

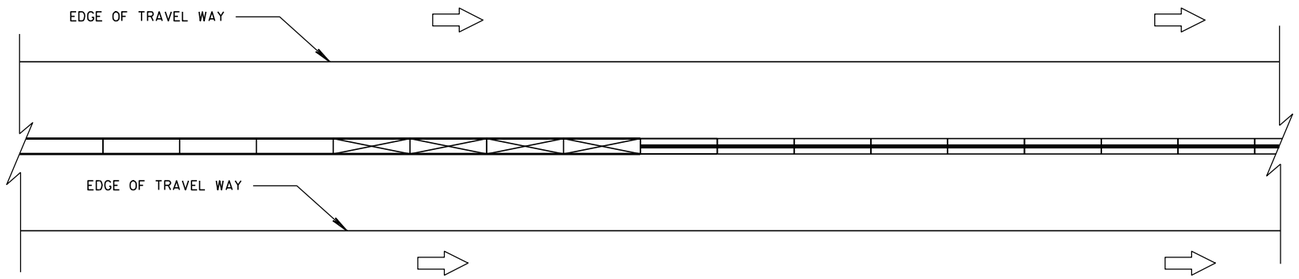
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 8-1c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

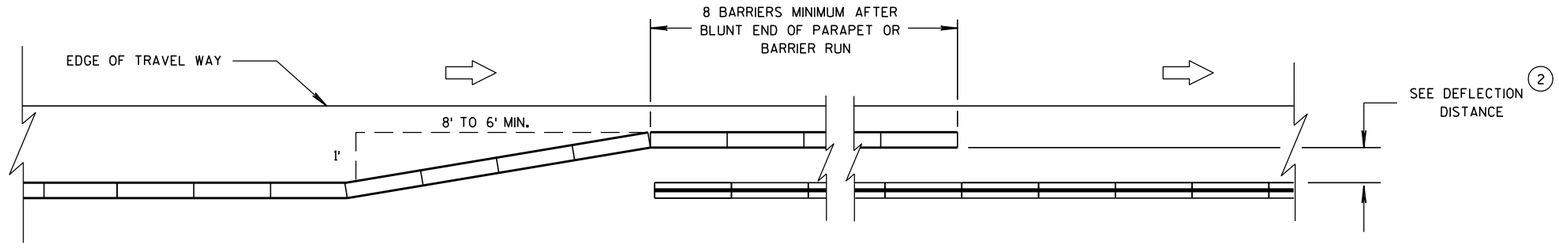
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

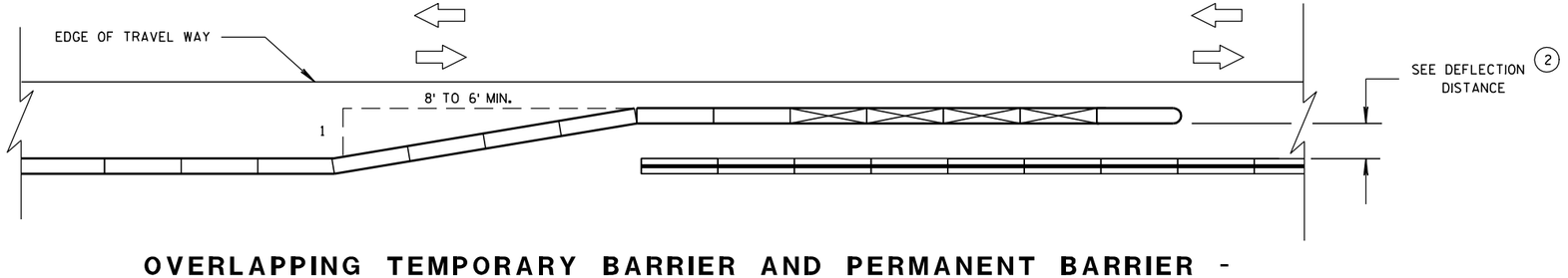
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

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LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

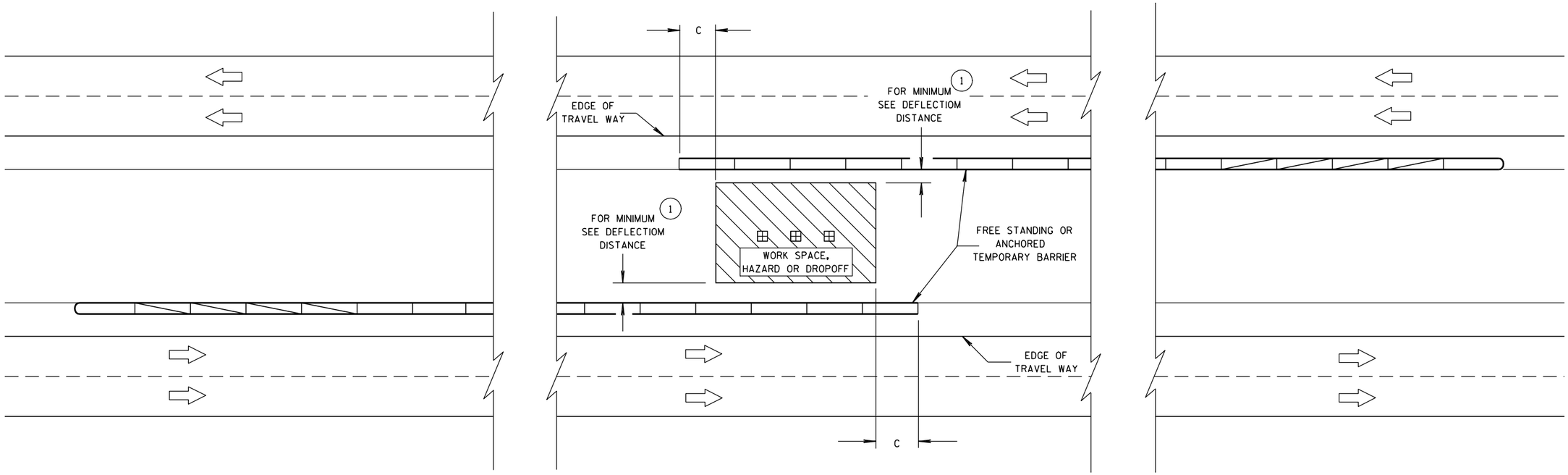
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

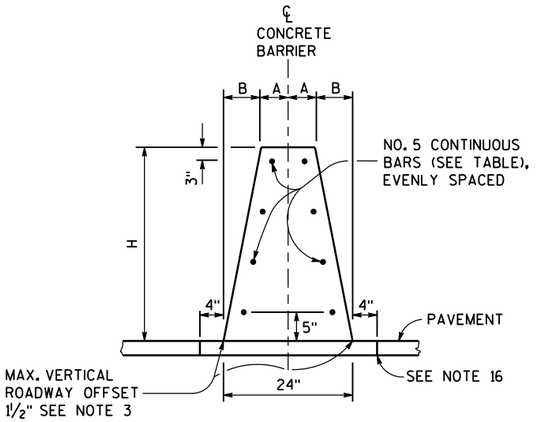
APPROVED

8/31/2012
DATE

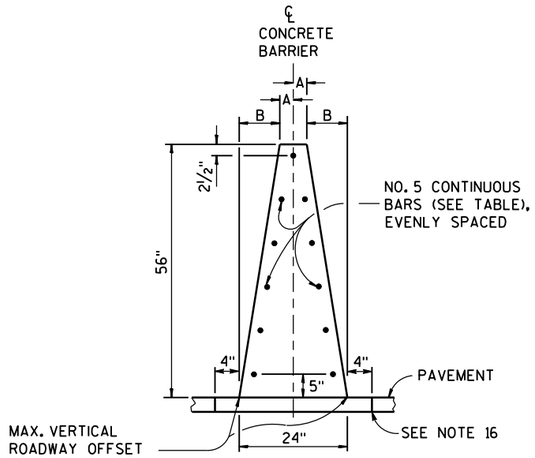
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER

FHWA

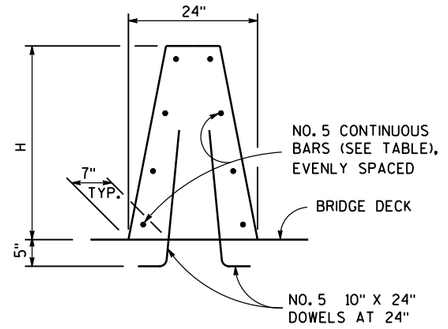
6
S.D.D. 14 B 8-1e



32-INCH, 36-INCH OR 42-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S32, TYPE S36, AND TYPE S42)



56-INCH SINGLE SLOPE CONCRETE BARRIER (TYPE S56)



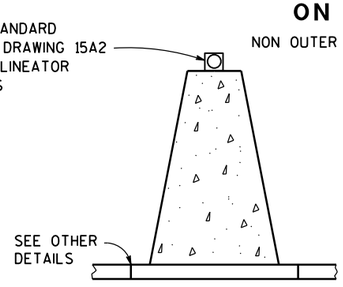
SINGLE SLOPE CONCRETE BARRIER ON BRIDGE

NON OUTER PARAPET APPLICATION

GENERAL NOTES

1. WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.
2. EXPANSION JOINTS IN CONCRETE BARRIER SHALL BE LOCATED AT ALL DECK, AND PRINCIPAL WALL JOINTS. EXPANSION JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR ½" MINIMUM.
3. WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1½", USE TYPE A
4. PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.
5. EXCEPT IN ANCHORS, VERTICAL REINFORCING STIRRUP NOT REQUIRED FOR ROADWAY OFFSETS LESS THAN 1'-0".
6. FOR TYPE S32, TYPE S36, TYPE S42, AND S56 MONOLITHIC FOOTING OR DOWELED FOOTING WITH 2-#8 x 8" @ 2'-0".
7. STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL 2 FEET. BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.
8. 4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.
9. WHEN SWITCHING BETWEEN SLIP FORM AND CAST-IN-PLACE OPERATIONS, EXTEND LONGITUDINAL STEEL 3 FEET BEYOND SLIP-FORMING CUT OFF POINT. EXPOSED STEEL INTO NEXT POURS REINFORCEMENT. LAPS TO BE FIRMLY TIED.
10. USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.
11. 2" CLEAR COVER TYPICAL.
12. COLD-JOINTS MAY BE USED BETWEEN ANCHOR INSTALLATIONS. WHEN A COLD JOINT IS NEEDED, 3 FEET OF LAP OF LONGITUDINAL STEEL IS REQUIRED. LAPS TO BE FIRMLY TIED.
13. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 NO ADDITIONAL VERTICAL STEEL NEEDED. IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A REQUIRES VERTICAL STEEL. SEE OTHER DETAIL.
14. IN TYPE S32, TYPE S36, TYPE S42 AND TYPE S56 DEPTH OF FOOTING 10". IN TYPE S32A, TYPE S36A, TYPE S42A AND TYPE S56A MATCH TOTAL HEIGHT OF SINGLE SLOPE BARRIER RETAINING WALL.
15. FOR ALL BARRIER TYPES SHOWN, ANCHOR IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN ON DRAWING OR DETAILS SHOWN ON S.D.D. 14B33. ANCHORS INCIDENTAL TO CBSS.
16. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11



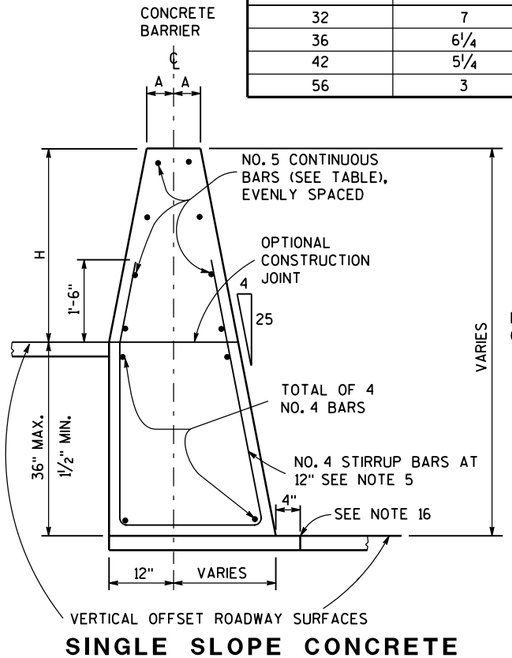
DELINEATION

DELINEATOR SPACING ON HORIZONTAL CURVES

RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

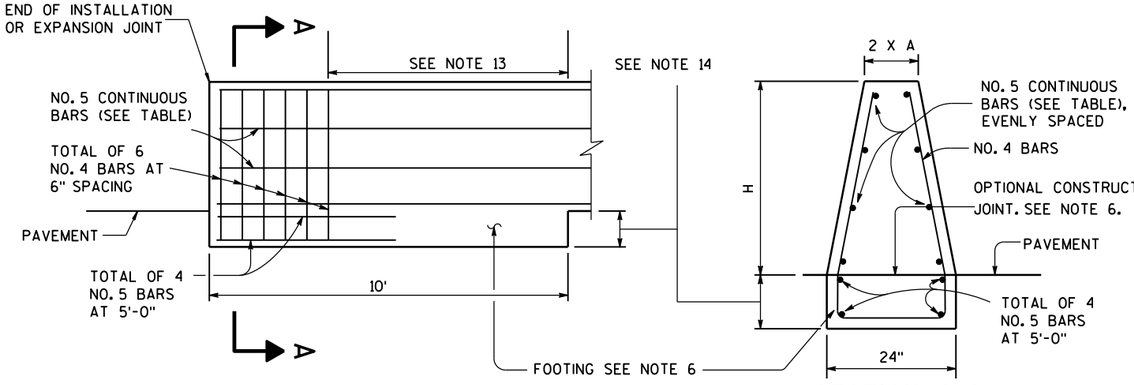
DELINEATOR SPACING ON RADIUS GREATER THAN 1000 FEET OR TANGENT SECTIONS

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2	3
	> 200'	100' C-C	2	



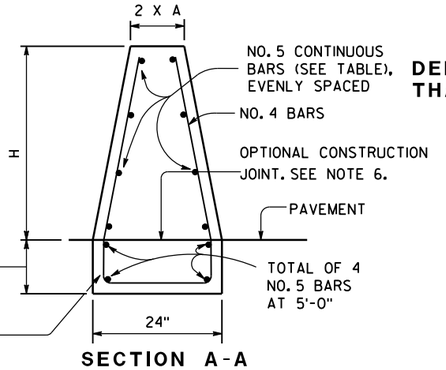
SINGLE SLOPE CONCRETE BARRIER AND RETAINING WALL (TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)

(BETWEEN ADJACENT ROADWAYS)



END ANCHOR SINGLE SLOPE CONCRETE BARRIER

AT CONSTRUCTION JOINT

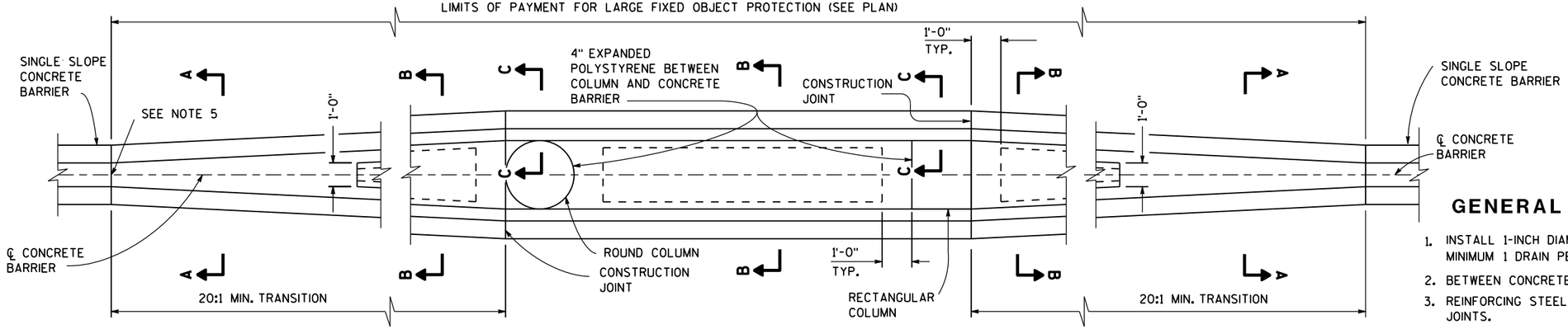


SECTION A-A

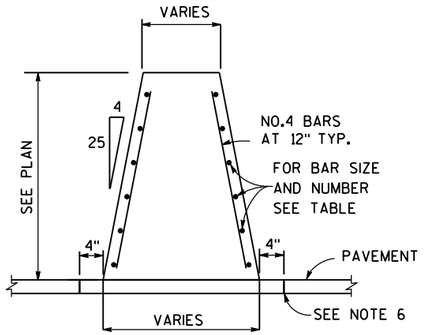
CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

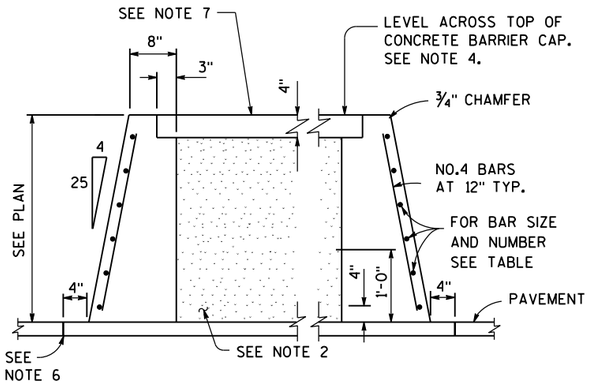
6
S.D.D. 14 B 32-3a



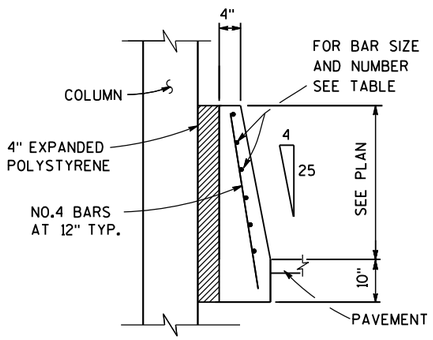
LARGE FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56



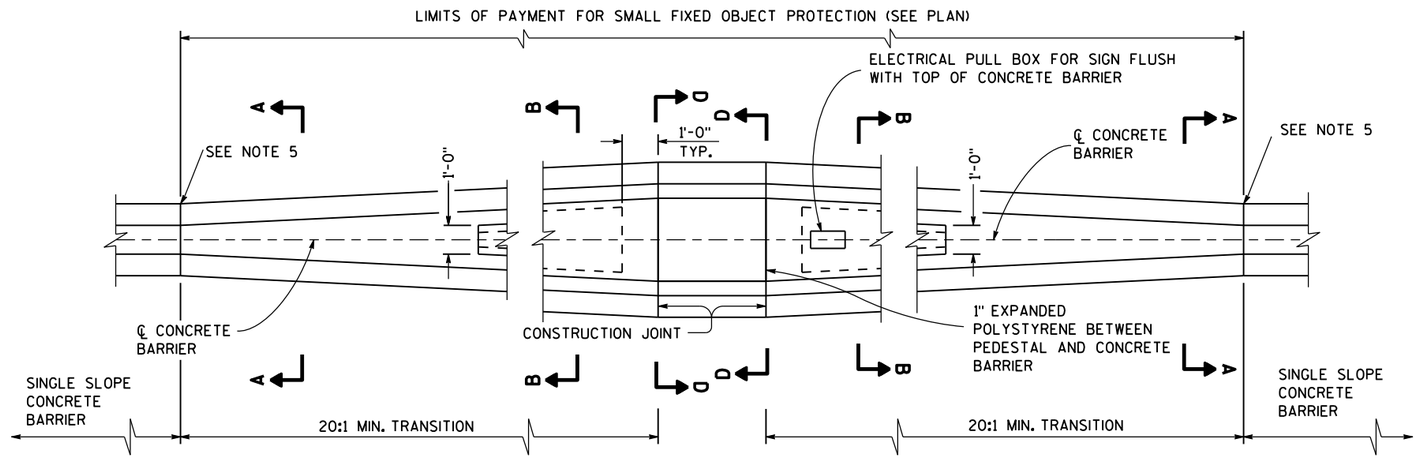
SECTION A-A



SECTION B-B



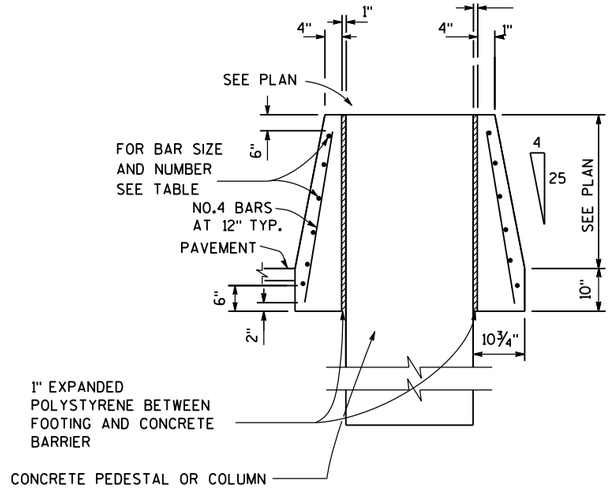
SECTION C-C



SMALL FIXED OBJECTS PROTECTION
TYPE S32, TYPE S36, TYPE S42, TYPE S56

GENERAL NOTES

1. INSTALL 1-INCH DIAMETER DRAIN PIPE EVERY 20 FEET OF CROSS SECTION B-B. MINIMUM 1 DRAIN PER CAVITY.
2. BETWEEN CONCRETE BARRIER WALLS FILL WITH GRANULAR BACKFILL GRADE 2
3. REINFORCING STEEL SHALL EXTEND CONTINUOUS THROUGH CONSTRUCTION JOINTS.
4. ADJUST HEIGHT OF CONCRETE BARRIER WALL ON LOW SIDE OF OFFSET OR SUPERELEVATED ROADWAYS TO PROVIDE LEVEL GRADE ACROSS TOP OF CONCRETE CAP.
5. IF FIXED OBJECT PROTECTION IS INSTALLED FIRST, USE COLD JOINTS. IF CBSS PLACED FIRST, USE EXPANSION JOINT.
6. CONCRETE PAD UNDER CBSS MAY BE PLACED INTEGRAL WITH BARRIER, PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED FULL DEPTH. SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE PAD MINIMUM DEPTH IS 6 INCHES, OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.
7. USE NO. 3 BAR SPACED 12 INCHES CENTER TO CENTER (PLACED IN EACH DIRECTION) OR EQUIVALENT WIRE MESH.



SECTION D-D

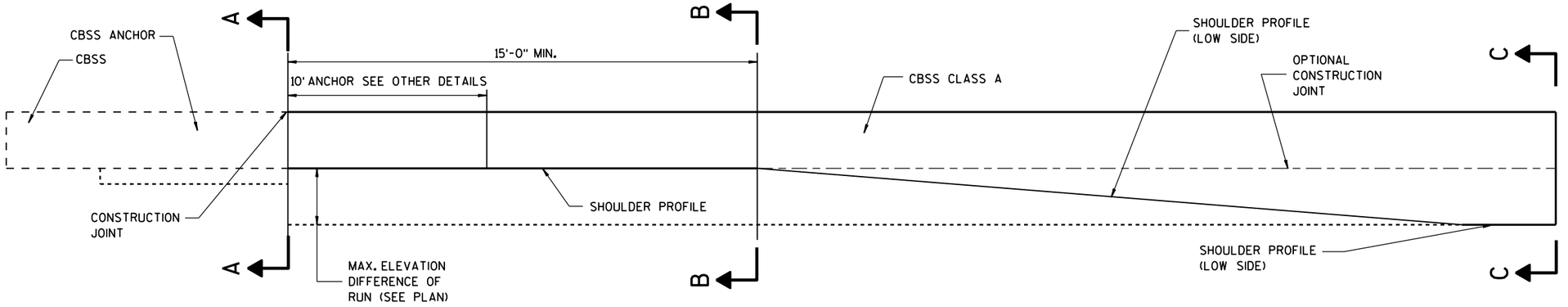
BARRIER HEIGHT H INCHES	BAR SIZE	NUMBER OF BARS EACH
32	4	6
36	4	6
42	5	6
56	5	9

CONCRETE BARRIER SINGLE SLOPE (CBSS)

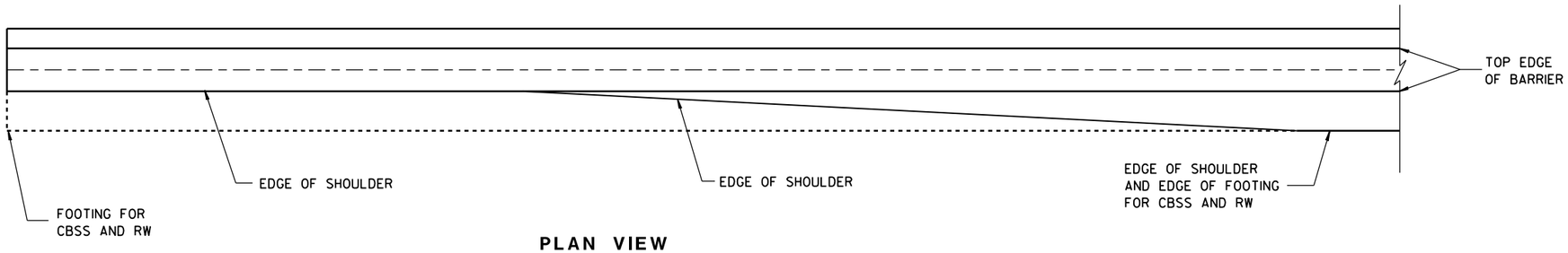
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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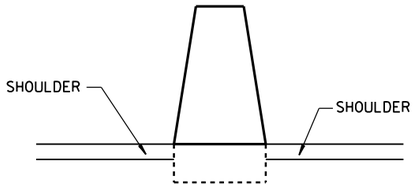
S.D.D. 14 B 32-3b



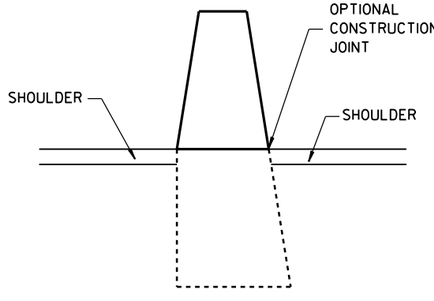
ELEVATION VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



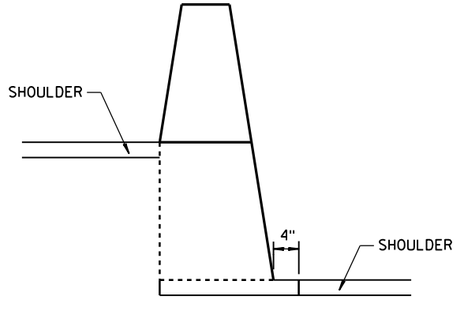
PLAN VIEW
TRANSITION TO CBSS CLASS A
(TYPE S32A, TYPE S36A, TYPE S42A, TYPE S56A)



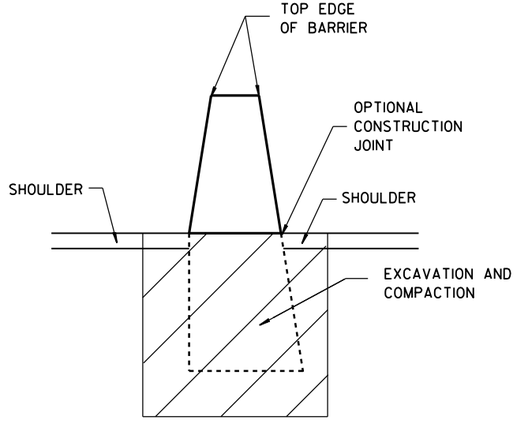
SECTION A-A



SECTION B-B



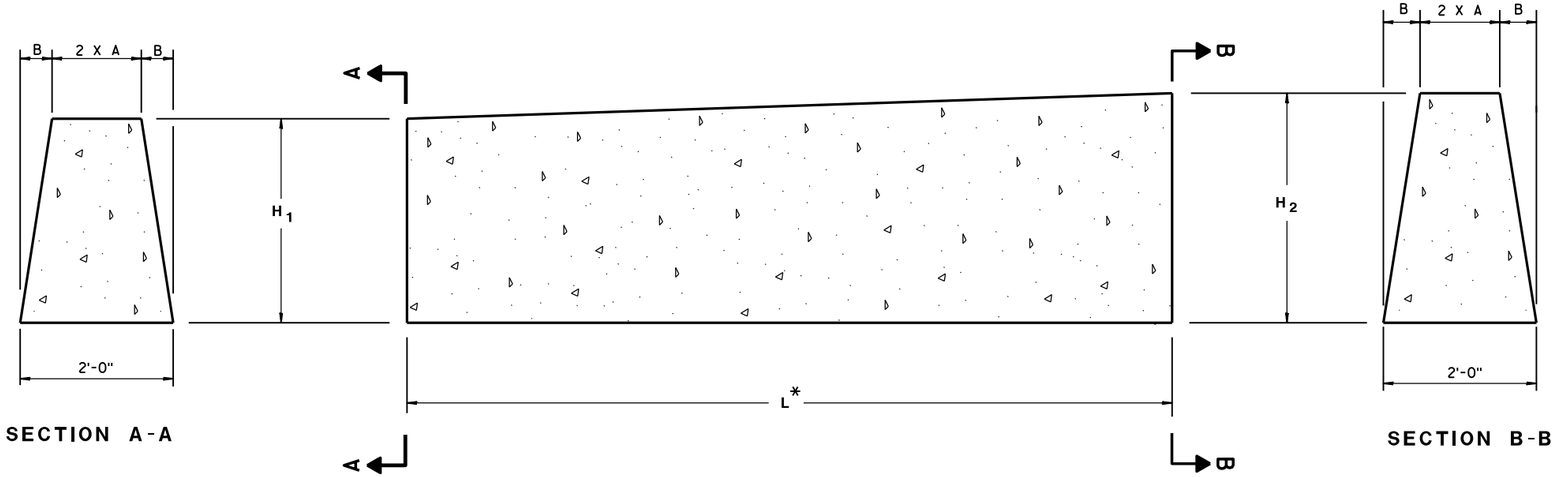
SECTION C-C



CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 32-3c



SECTION A-A

SECTION B-B

DOUBLE COLD JOINT HEIGHT TRANSITION

BARRIER DIMENSIONS

BARRIER HEIGHT INCHES	A INCHES	B INCHES
32	7	5
36	6 1/4	5 3/4
42	5 1/4	6 3/4
56	3	9

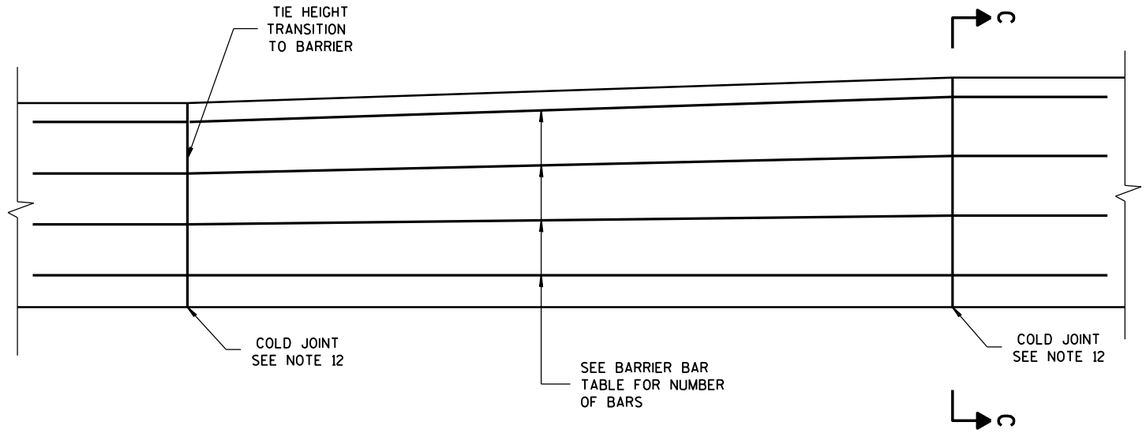
MULTIPLE HEIGHT TRANSITIONS MAY BE USED IN SEQUENCE TO GET TO APPROPRIATE HEIGHT.

USE COLD JOINT TO CONNECT MULTIPLE HEIGHT TRANSITIONS.

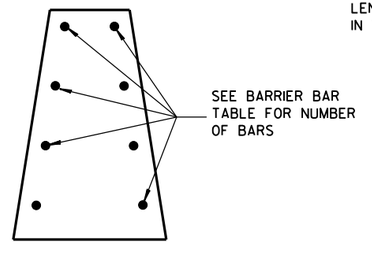
BARRIER BARS

H_1	H_2	L*	NUMBER OF NO. 5 BARS
32"	36"	10'-0"	8
36"	42"	10'-6"	10
42"	56"	24'-6"	11

*
LENGTH OF DOUBLE COLD JOINT INCLUDED IN THE TOTAL LENGTH OF CBSS.



STEEL REINFORCEMENT DETAIL



SECTION C-C

CONCRETE BARRIER SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

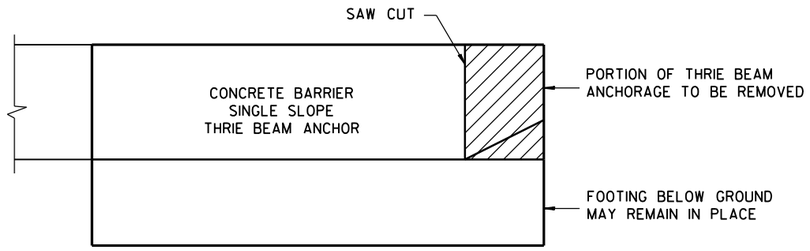
FHWA

6

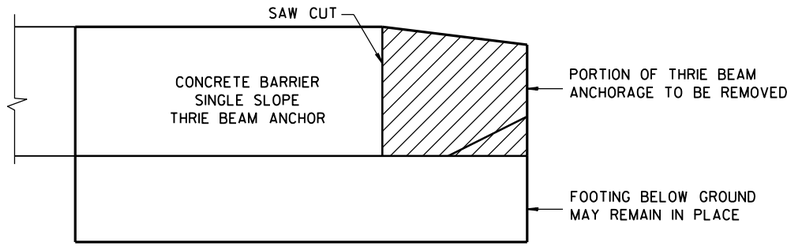
S.D.D. 14 B 32-3d

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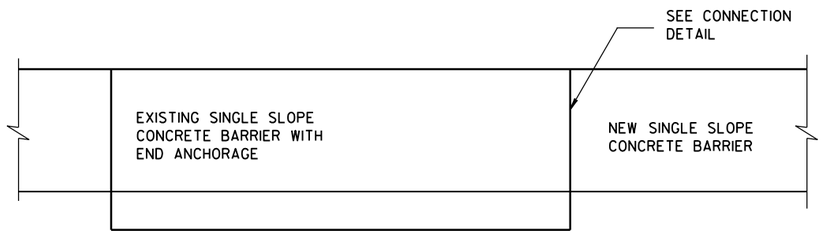
S.D.D. 14 B 32-3d



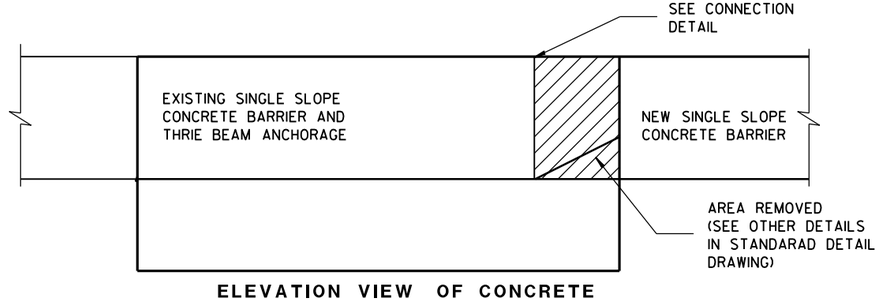
REMOVAL AREA OF
32" CONCRETE THRIE BEAM ANCHORAGE



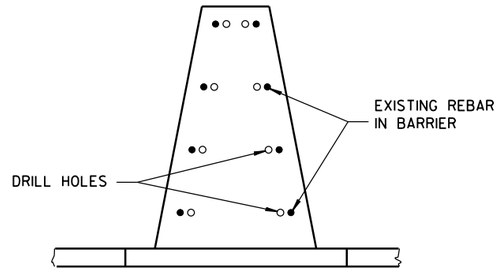
REMOVAL AREA OF CONCRETE THRIE BEAM
ANCHORAGE WITH HEIGHT GREATER THAN 32"



ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR END ANCHORAGE



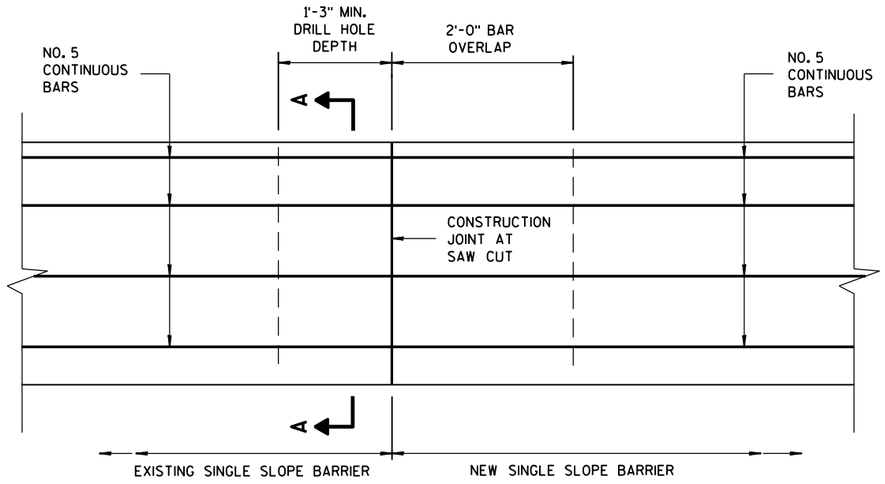
ELEVATION VIEW OF CONCRETE
BARRIER EXTENSION NEAR THRIE BEAM TERMINAL



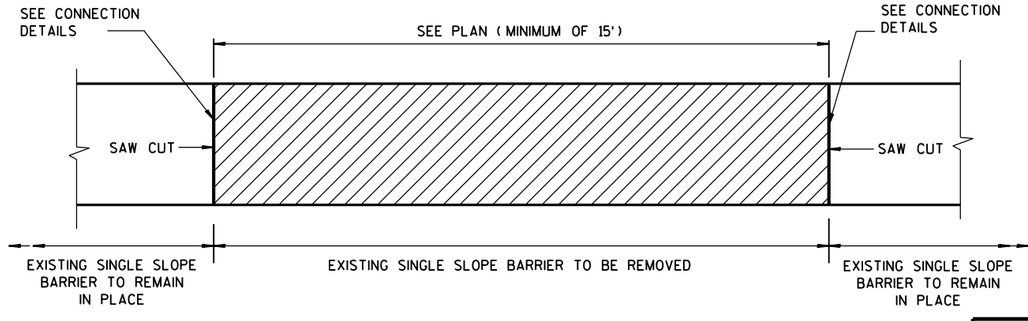
SECTION A-A

GENERAL NOTES

1. THE NUMBER OF DRILL HOLES IS EQUAL TO THE NUMBER OF REBAR IN BARRIER (SEE OTHER DETAILS).
2. MINIMUM DEPTH OF DRILL HOLES IS 1'-3".
3. DRILL HOLES TO BE A MINIMUM OF 4 INCHES FROM THE EDGE OF CONCRETE.
4. INSTALL EPOXY COATED NO. 5 BARS IN DRILL HOLES.
5. END ANCHORAGE MAY OR MAY NOT BE PRESENT ON EXISTING BARRIER.
6. REMOVE THRIE BEAM ANCHORAGE AS SHOWN.



CONNECTION OF EXISTING SINGLE SLOPE CONCRETE BARRIER TO
NEW SINGLE SLOPE CONCRETE BARRIER



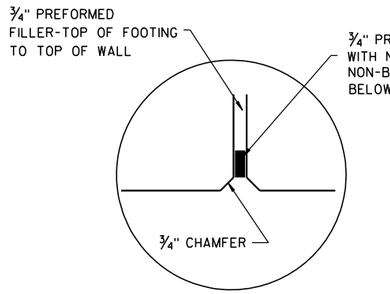
ELEVATION FILE
BARRIER REMOVAL AND REPLACEMENT

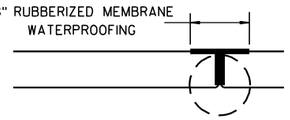
CONCRETE BARRIER
SINGLE SLOPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

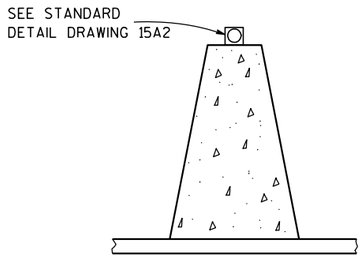
APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

RETROFIT OR REPAIR SINGLE SLOPE CONCRETE BARRIER





VERTICAL EXPANSION JOINT



DELINEATION

SPACING FOR DELINEATORS ON HORIZONTAL CURVES

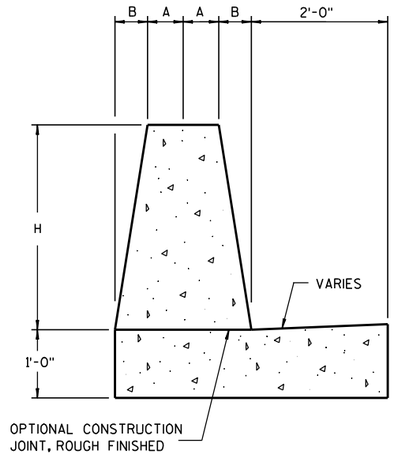
RADIUS OF CURVE	APPROXIMATE SPACING ON CURVE
50 FEET	20 FEET
115 FEET	25 FEET
180 FEET	35 FEET
250 FEET	40 FEET
300 FEET	50 FEET
400 FEET	55 FEET
500 FEET	65 FEET
600 FEET	70 FEET
700 FEET	75 FEET
800 FEET	80 FEET
900 FEET	85 FEET
1000 FEET	90 FEET

GENERAL NOTES

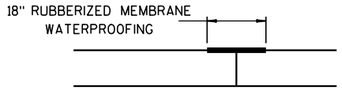
PROVIDE EXPANSION JOINTS WHERE EXISTING EXPANSION JOINTS OR AT THE END OF EACH POUR.

NO HORIZONTAL STEEL CROSSES EXPANSION JOINTS.

CONSTRUCT PER STANDARD SPECIFICATION 603.
SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASETENED TOGETHER UNLESS NOTED OTHERWISES.
4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS 501.
USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.
2" CLEAR COVER (TYP.)

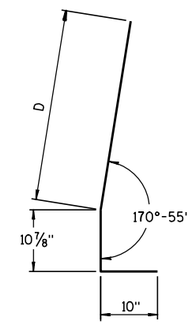


ROADSIDE RETAINING WALL

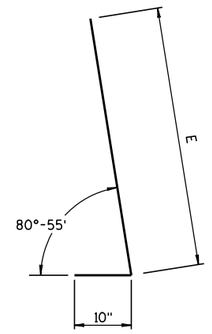


CONSTRUCTION JOINT

BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
36	6¼	5¾	8
42	5¼	6¾	10
56	3	9	11



V1 BAR BENDING DETAIL



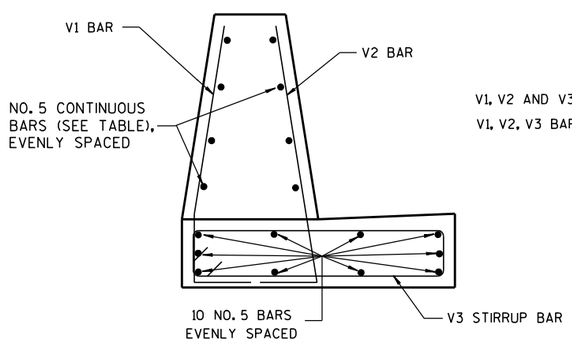
V2 BAR BENDING DETAIL

REFLECTOR SPACING

	LENGTH OF BARRIER	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2	3

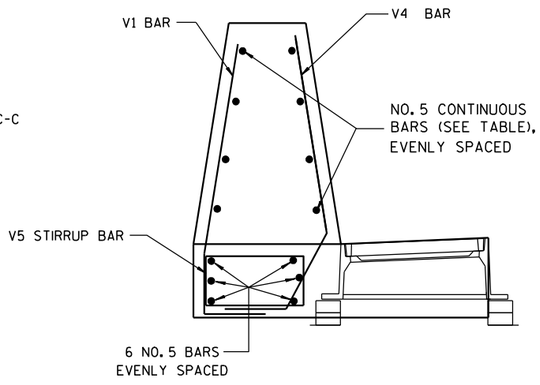
BAR CHART ROADSIDE RETAINING WALL

BARRIER HEIGHT	V1 BAR D	V2 BAR E	V4 BAR F
36"	2'-9⅝"	3'-9¾"	2'-8"
42"	3'-3⅝"	4'-2⅝"	3'-2⅛"
56"	4'-7½"	5'-6½"	4'-4⅜"

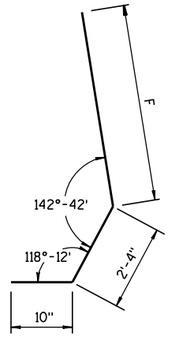


V1, V2 AND V3 ARE SPACED 18" C-C
V1, V2, V3 BARS ARE NO. 5 BARS

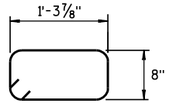
ROADSIDE RETAINING WALL NORMAL BAR PLACEMENT



ROADSIDE RETAINING WALL BAR PLACEMENT NEAR INLET



V4 BAR BENDING DETAIL



V5 STIRRUP BAR BENDING DETAIL

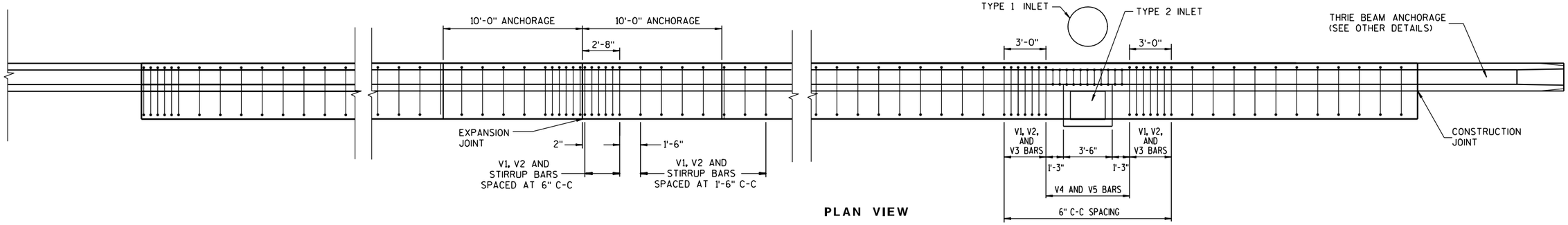


V3 STIRRUP BAR BENDING DETAIL

SINGLE SLOPE ROADSIDE RETAINING WALL

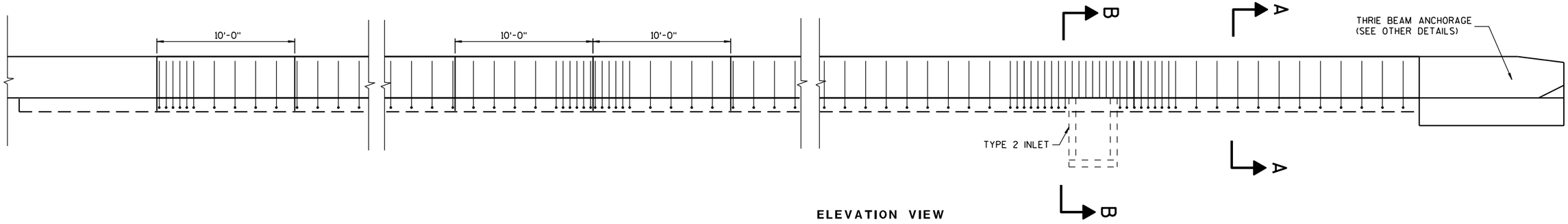
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 41-1a



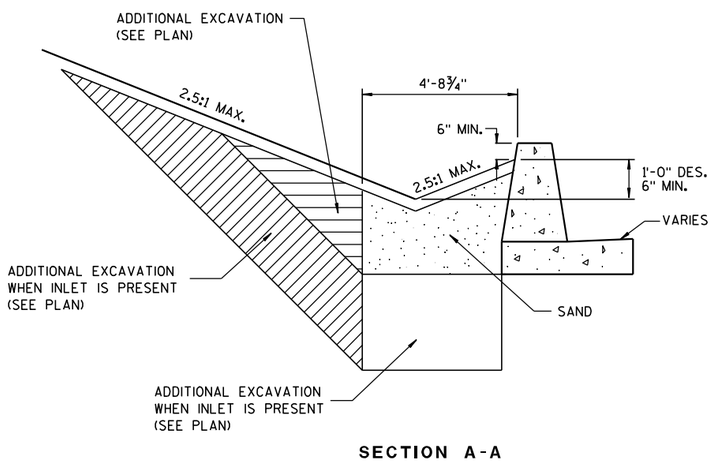
PLAN VIEW

NOTE: HORIZONTAL BARS ARE NOT SHOWN
SEE OTHER DETAILS FOR HORIZONTAL BARS.

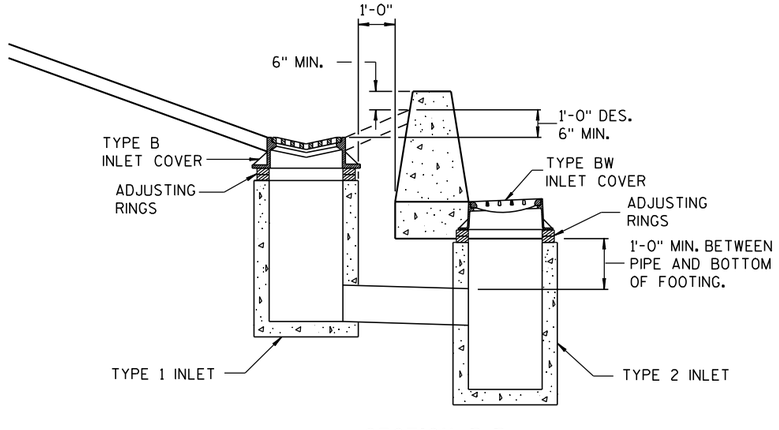


ELEVATION VIEW

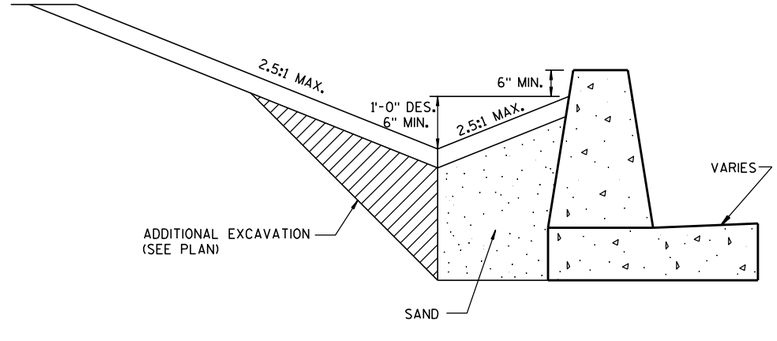
NOTE: HORIZONTAL BARS ARE NOT SHOWN
SEE OTHER DETAILS FOR HORIZONTAL BARS.



SECTION A-A



SECTION B-B



MINIMUM DESIGN OF EARTH WORK

MINIMUM DESIGN OF EARTH WORK FOR INLET

SINGLE SLOPE ROADSIDE RETAINING WALL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/13/2011
DATE
FHWA

/S/ Jerry H. Zaaa
ROADWAY STANDARDS ENGINEER

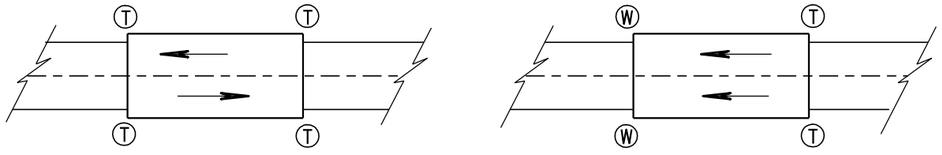
ENT

6

S.D.D. 14 B 41-1b

6

S.D.D. 14 B 41-1b



TWO WAY TRAFFIC

ONE WAY TRAFFIC

Ⓣ THRIE BEAM CONNECTION

Ⓦ W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

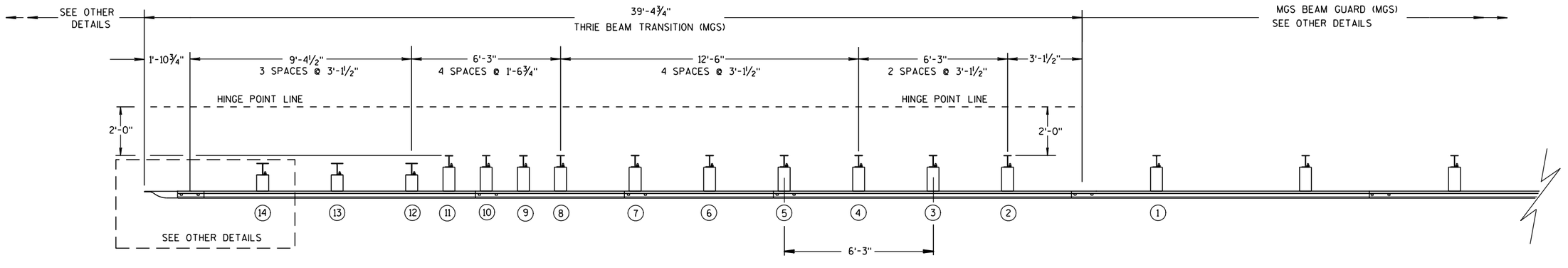
BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3.

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

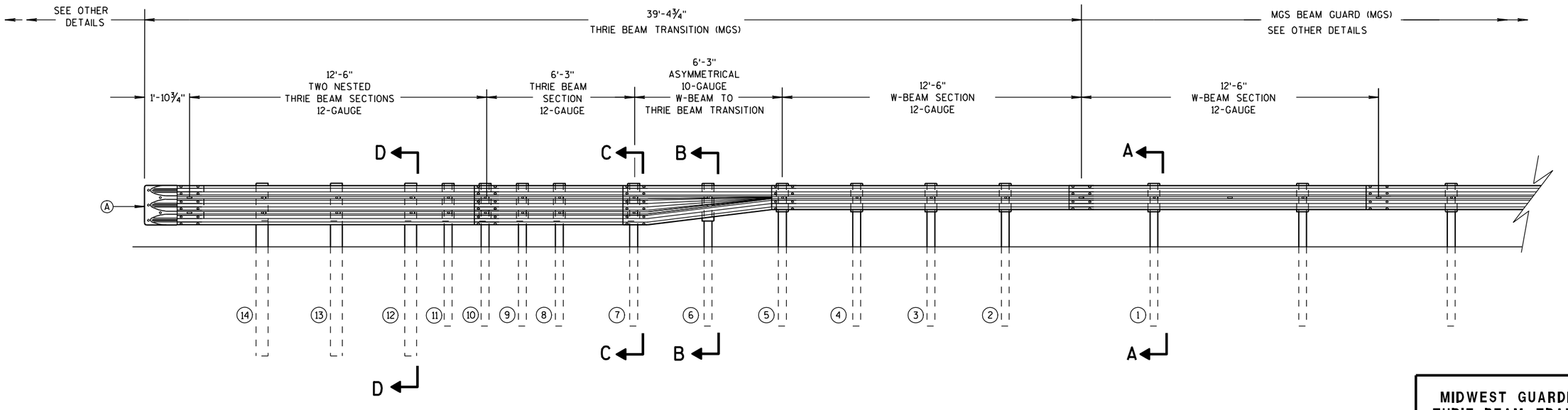
TRANSITION USES STEEL POSTS ONLY.

SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

Ⓐ BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

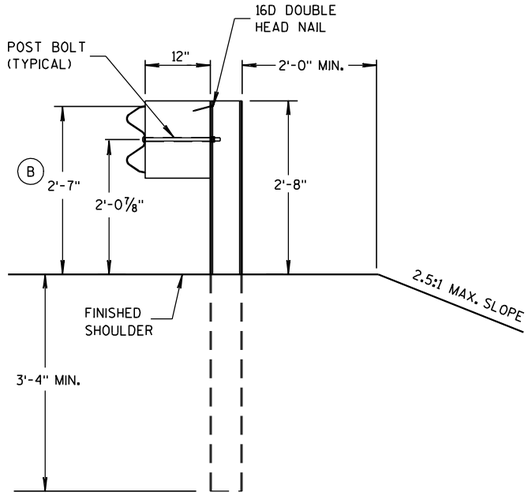
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 45-3a

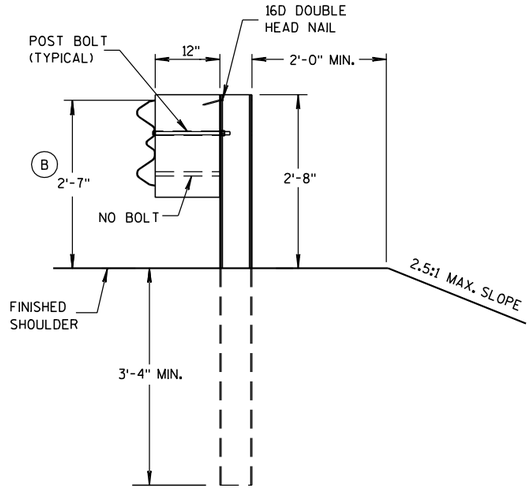
GENERAL NOTES

(B) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



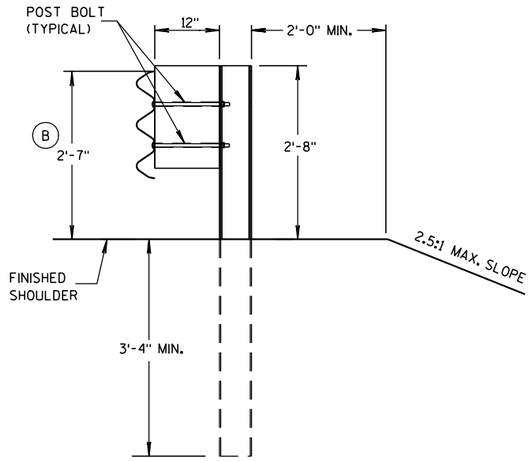
SECTION A-A

POSTS 1-5



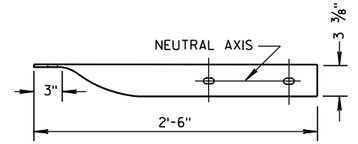
SECTION B-B

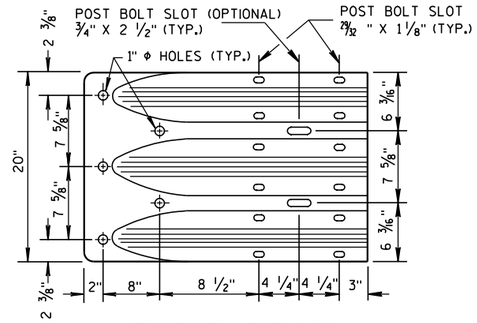
POST 6



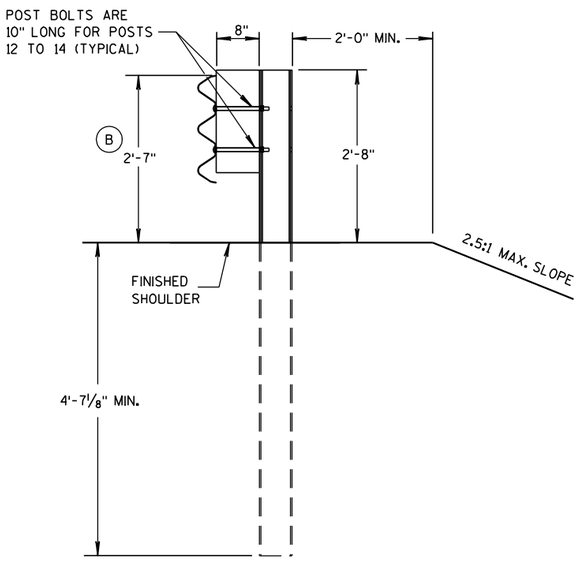
SECTION C-C

POSTS 7-11





THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-14

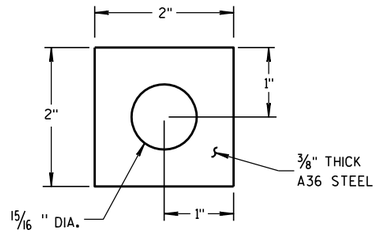
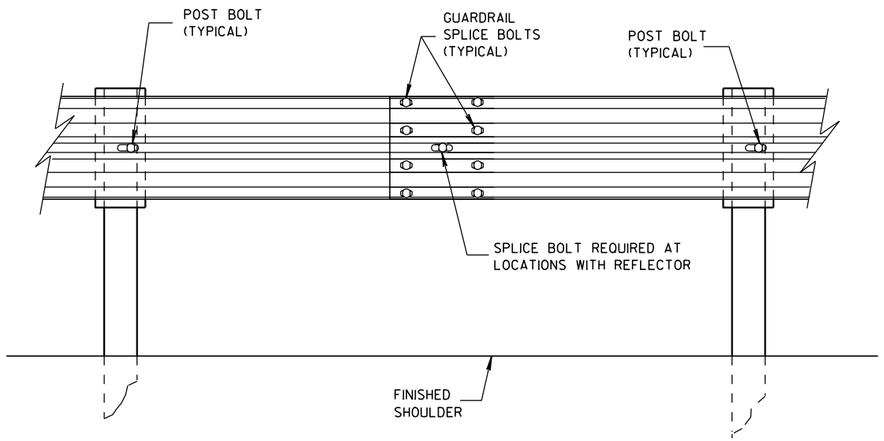
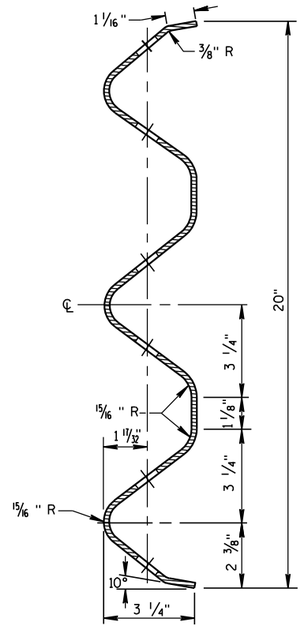


PLATE WASHER DETAIL



SPLICE DETAIL



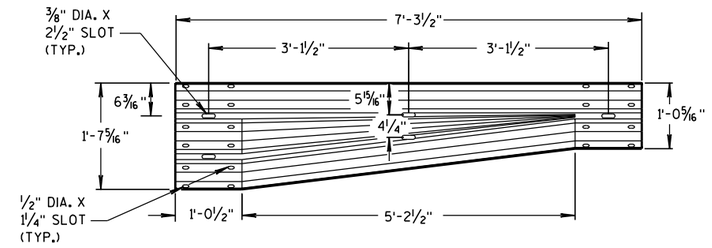
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

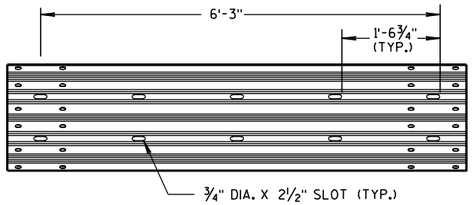
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

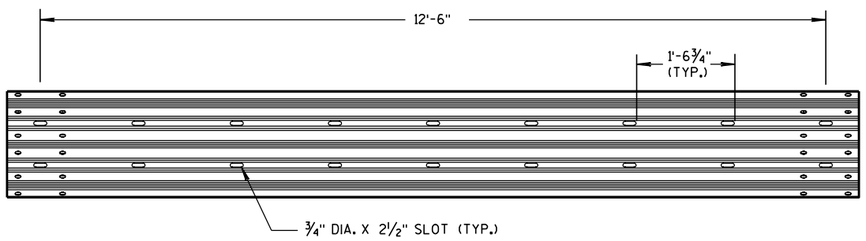
S.D.D. 14 B 45-3b



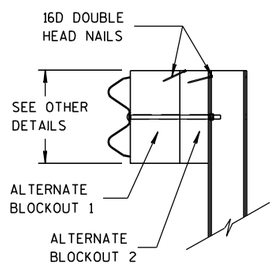
W-BEAM TO THRIE BEAM TRANSITION SECTION



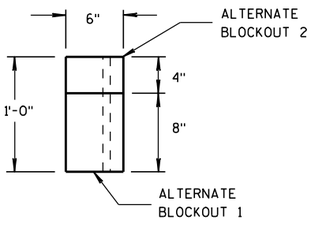
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

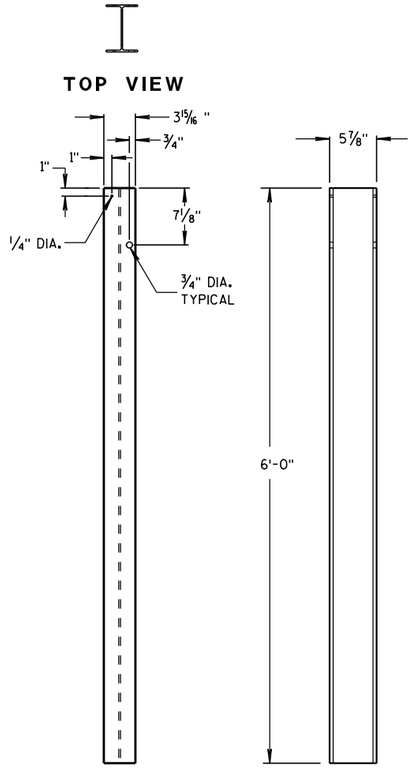


SIDE VIEW

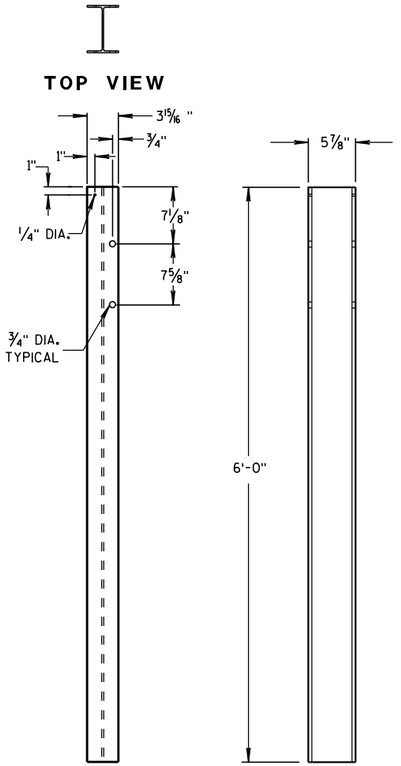


TOP VIEW

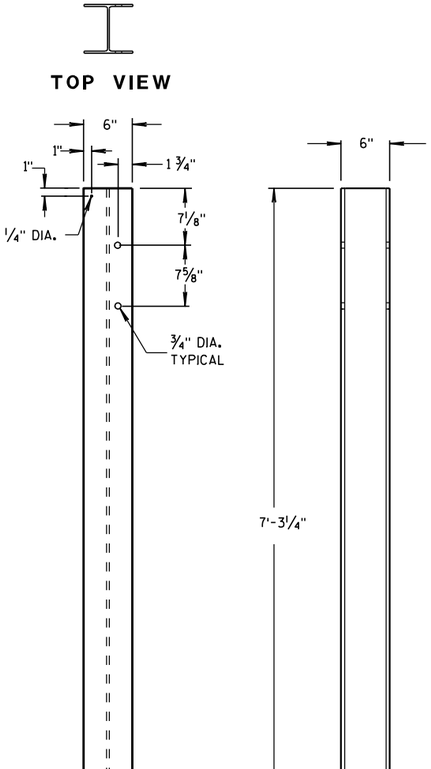
ALTERNATE WOOD BLOCKOUT DETAIL



STEEL POSTS 1-5

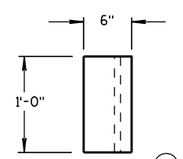


STEEL POSTS 6-11

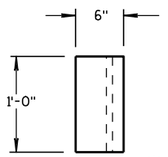


STEEL POSTS 12-14

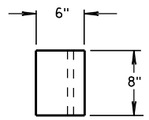
1 WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.



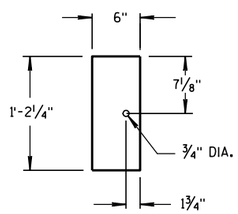
TOP VIEW (1)



TOP VIEW (1)

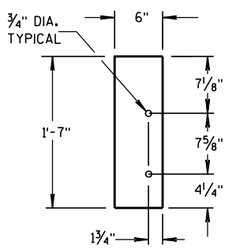


TOP VIEW



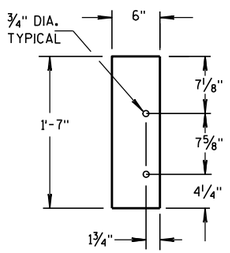
FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-11



FRONT VIEW

BLOCKOUT POSTS 12-14

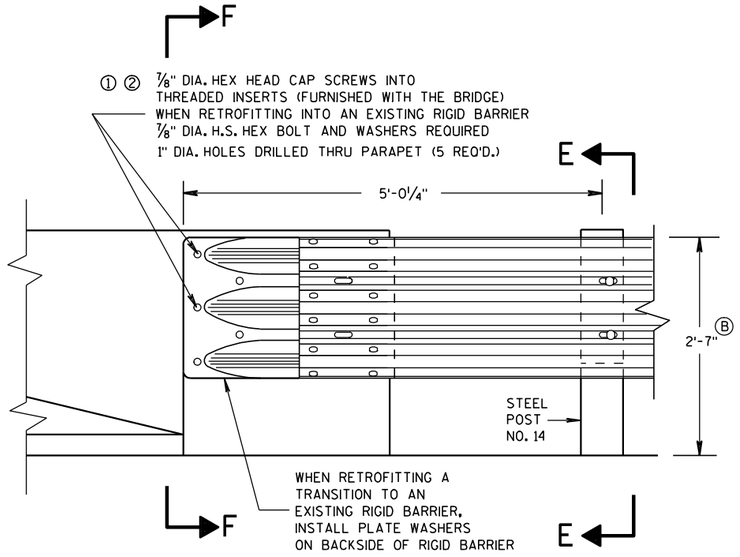
STEEL POST SIZES

POST NUMBER	SECTION TYPE	LENGTH
1	W6x9	72"
2	W6x9	72"
3	W6x9	72"
4	W6x9	72"
5	W6x9	72"
6	W6x9	72"
7	W6x9	72"
8	W6x9	72"
9	W6x9	72"
10	W6x9	72"
11	W6x9	72"
12	W6x15	87 1/8"
13	W6x15	87 1/8"
14	W6x15	87 1/8"

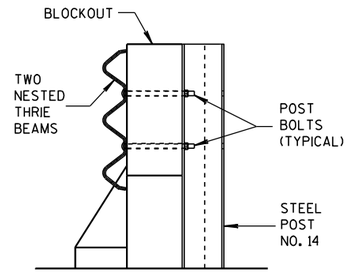
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 45-3c



FRONT VIEW



SECTION E-E

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

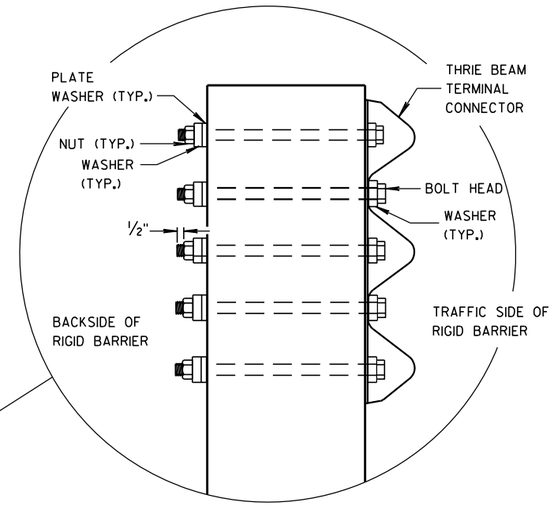
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

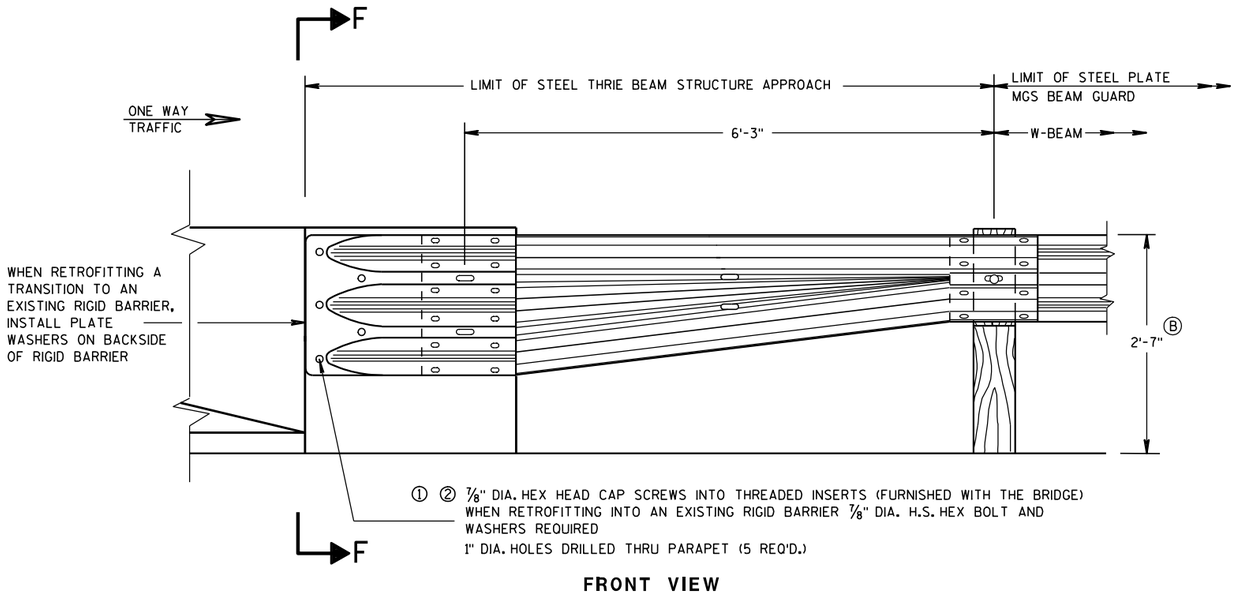
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

③ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

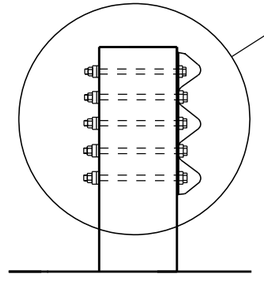
Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS





FRONT VIEW



SECTION F-F

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 — DATE

/S/ Jerry H. [illegible] — ROADWAY STANDARDS [illegible] ENGINEER

FHWA

6

S.D.D. 14 B 45-3d

6

S.D.D. 14 B 45-3d

GENERAL NOTES

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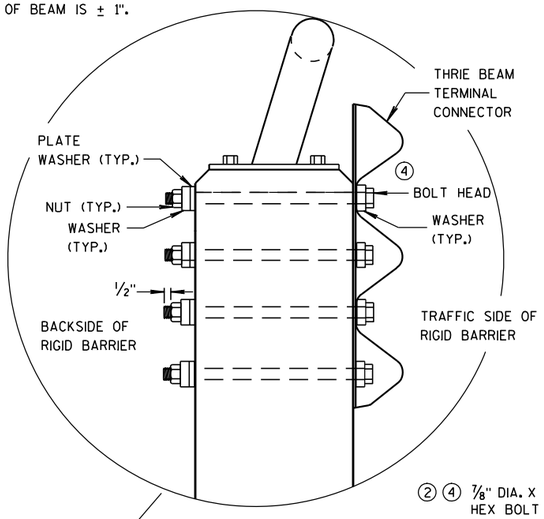
① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

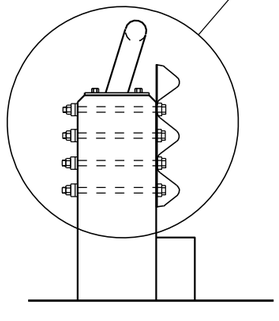
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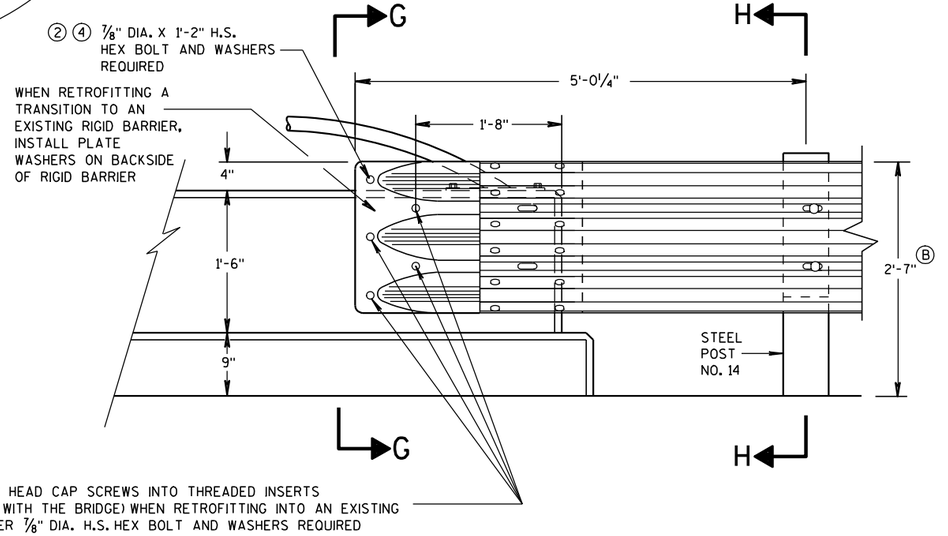
④ BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.

Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".

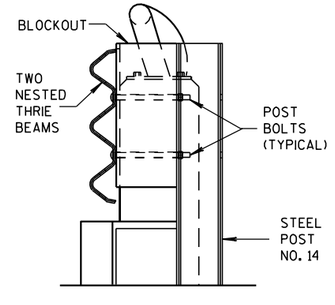




SECTION G-G

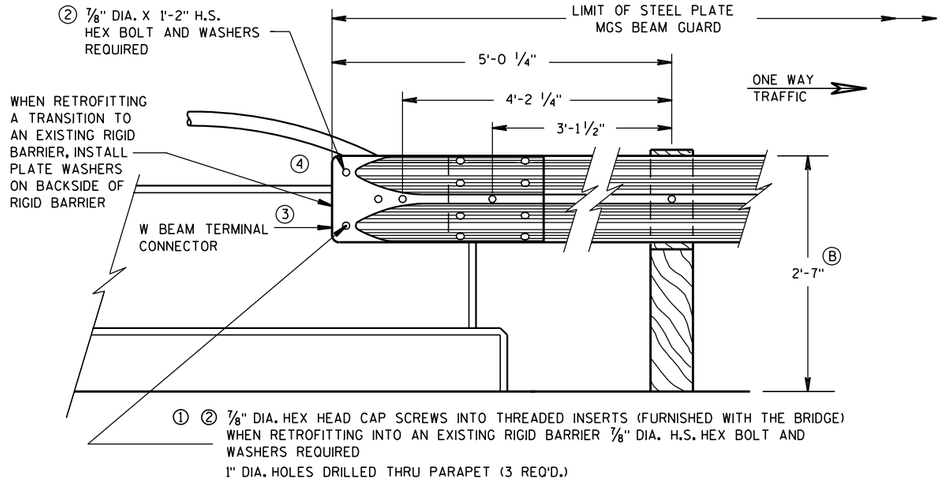


FRONT VIEW



SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8-31-2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

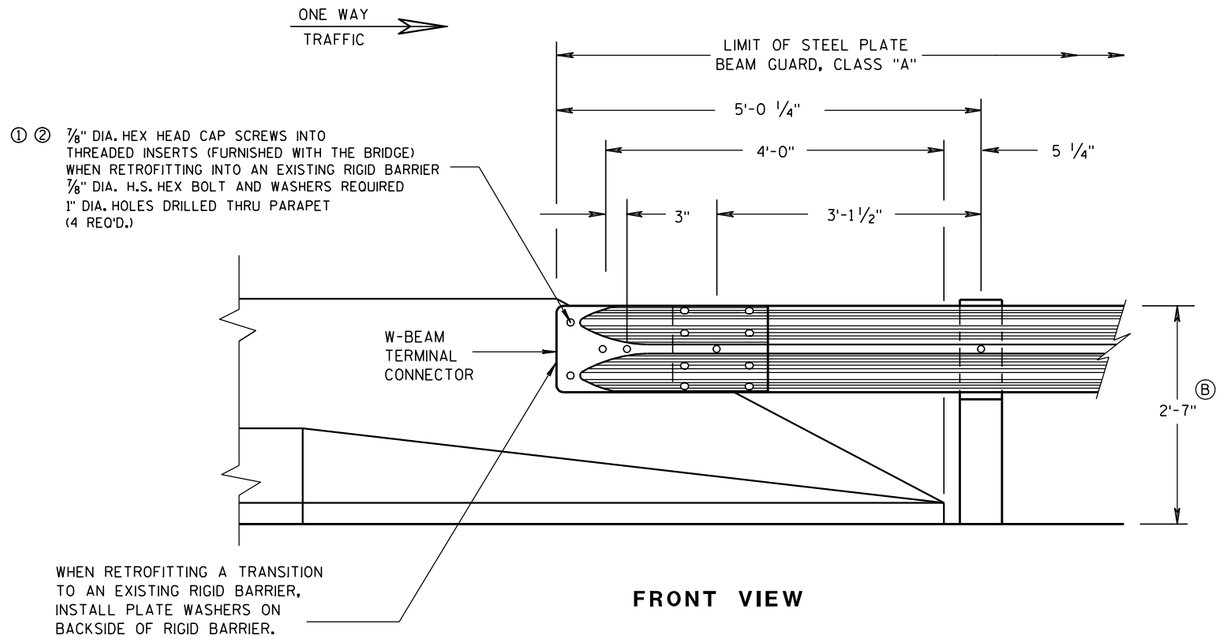
FHWA

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S.D.D. 14 B 45-3e

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S.D.D. 14 B 45-3e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

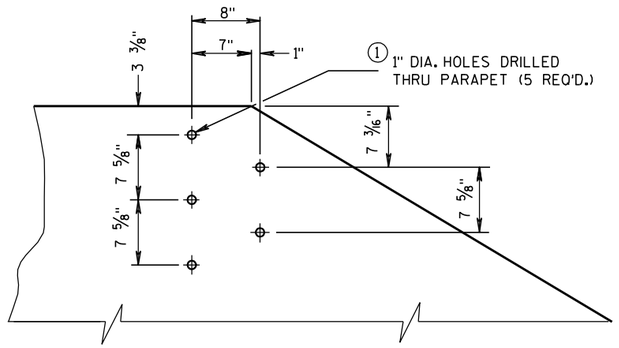
(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

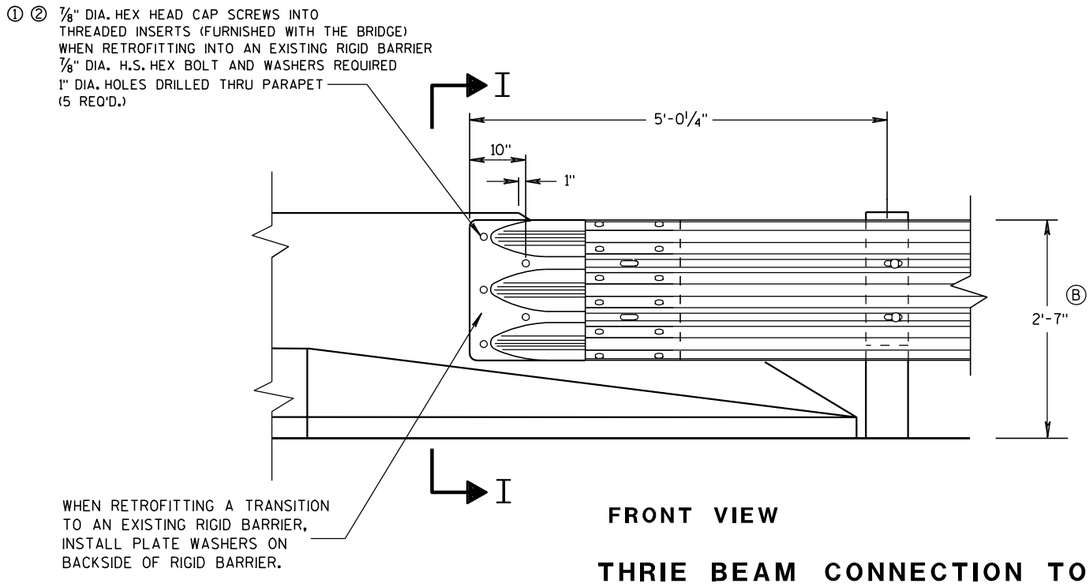
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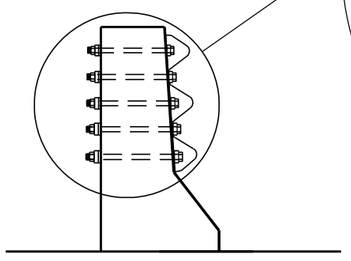
Ⓑ TOLERANCE FOR TOP OF BEAM IS ± 1".



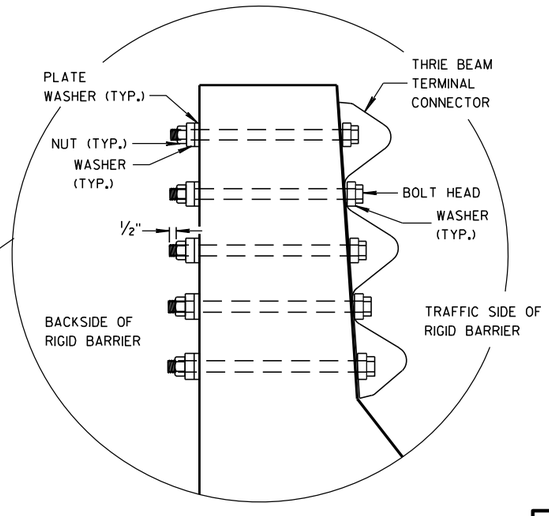
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

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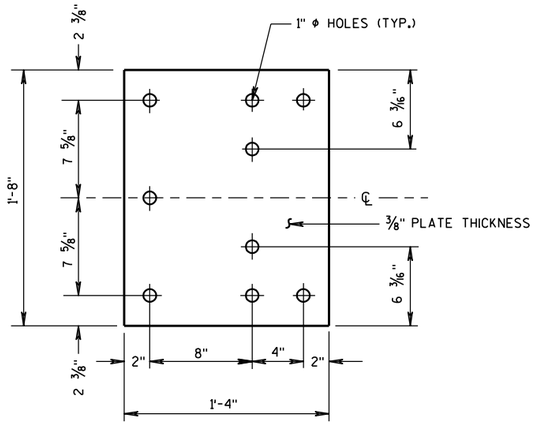
FHWA

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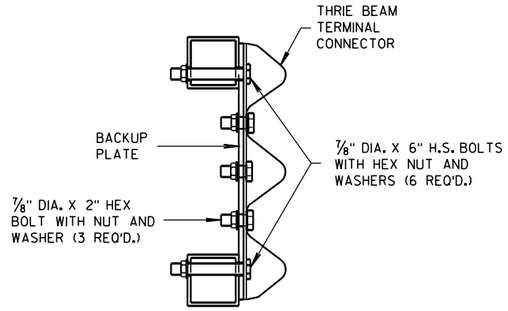
S.D.D. 14 B 45-3f

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S.D.D. 14 B 45-3f



BACK-UP PLATE DETAIL

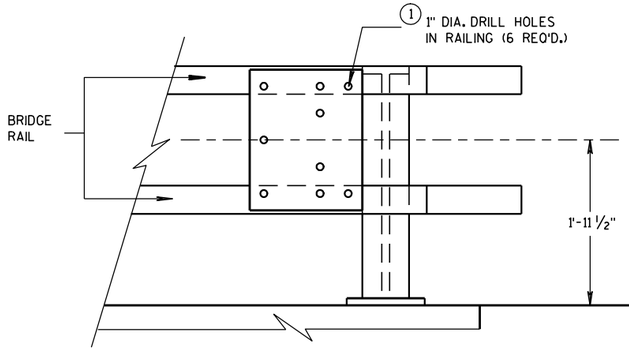


SECTION J-J

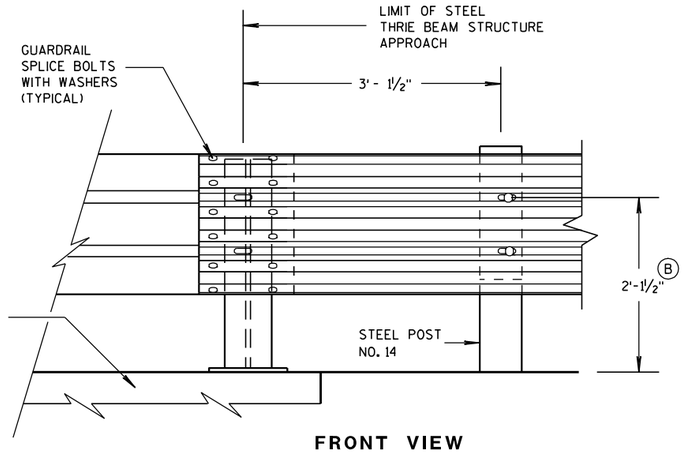
GENERAL NOTES

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(B) TOLERANCE FOR TOP OF BEAM IS ± 1".

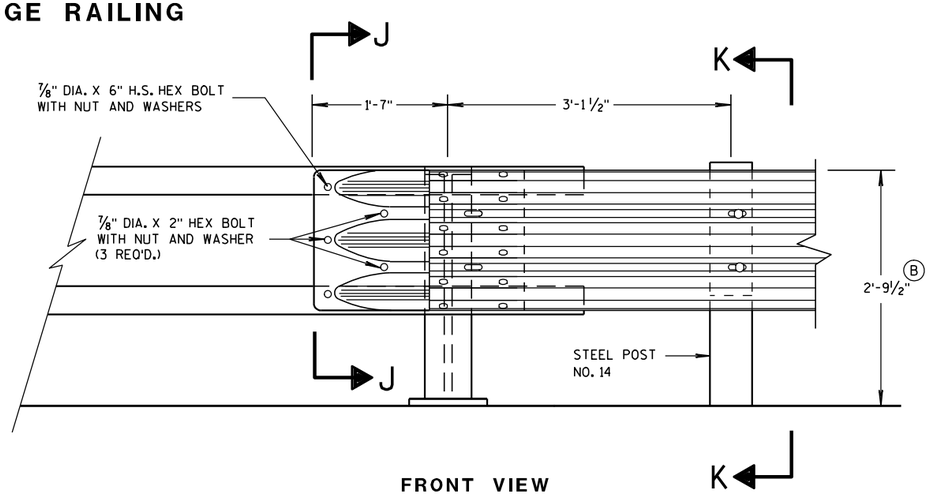


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

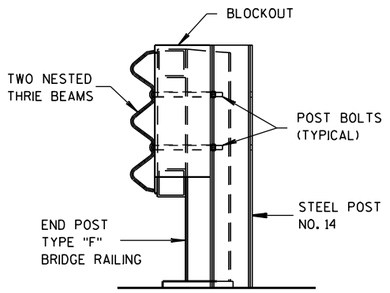


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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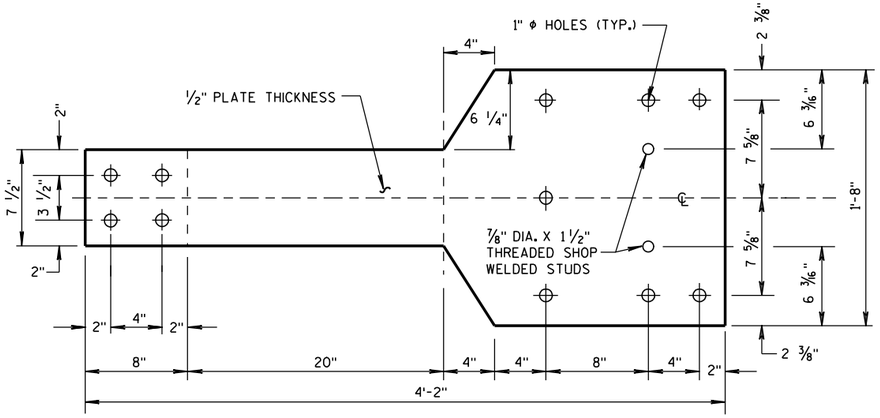
S.D.D. 14 B 45-3g

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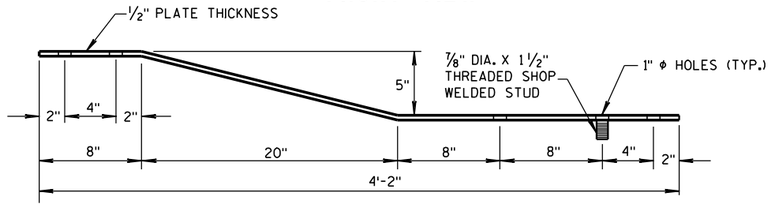
S.D.D. 14 B 45-3g

GENERAL NOTES

(B) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

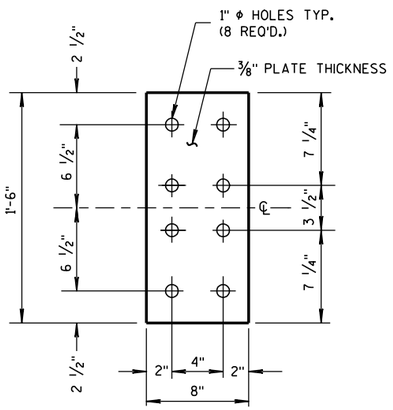


FRONT VIEW



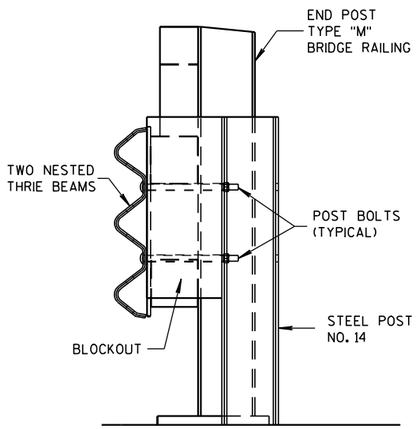
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

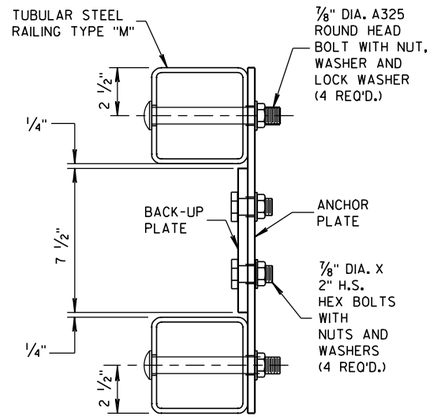


FRONT VIEW

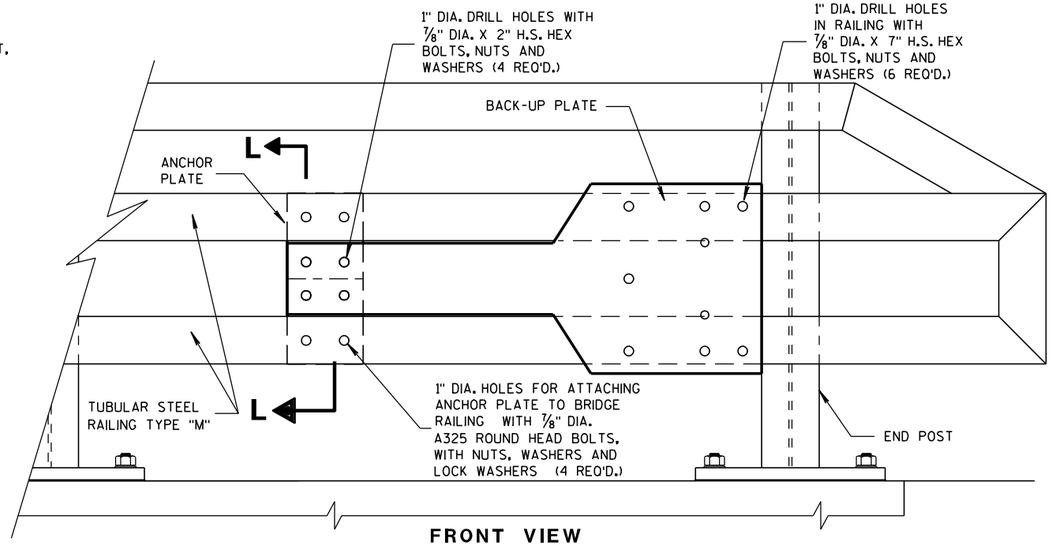
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

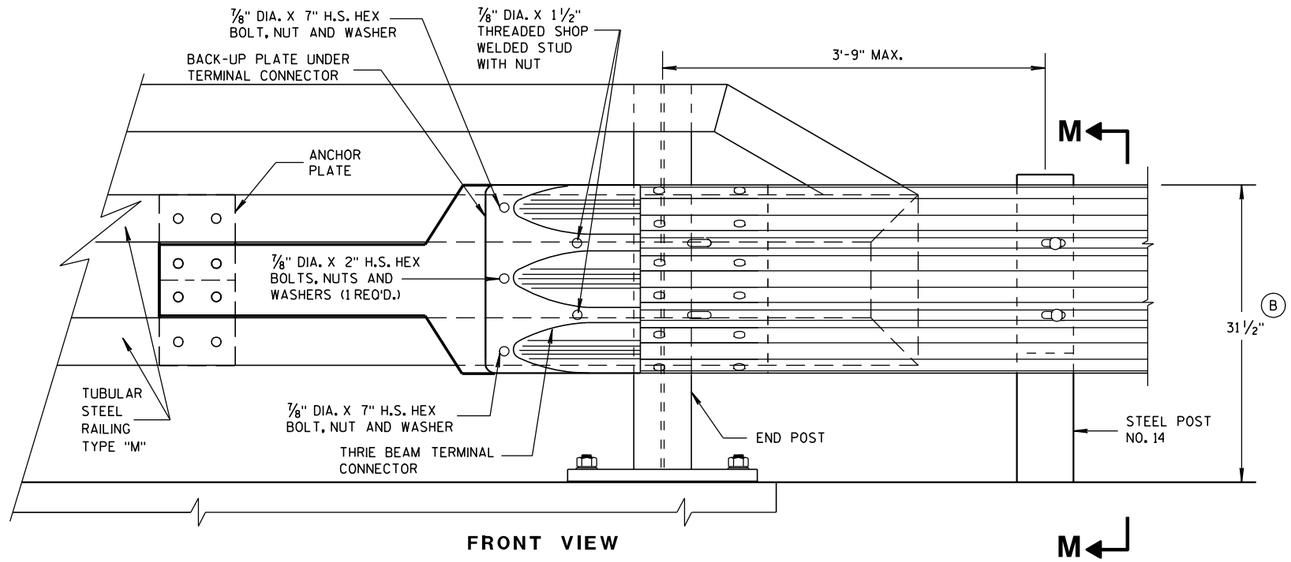


SECTION L-L

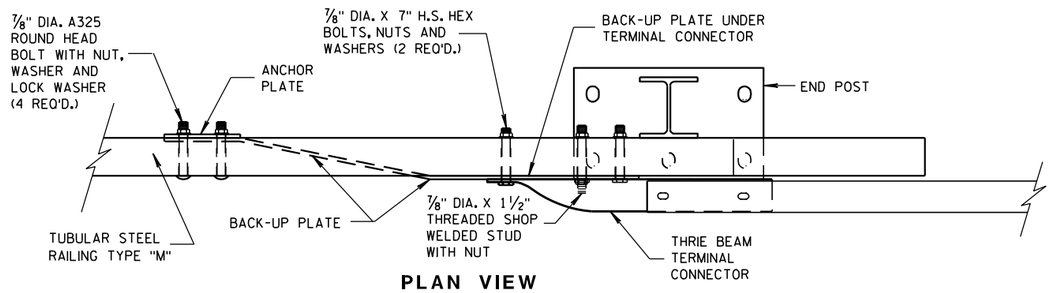


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8-31-2012 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	162 ENT

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S.D. 14 B 45-3h

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S.D. 14 B 45-3h

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

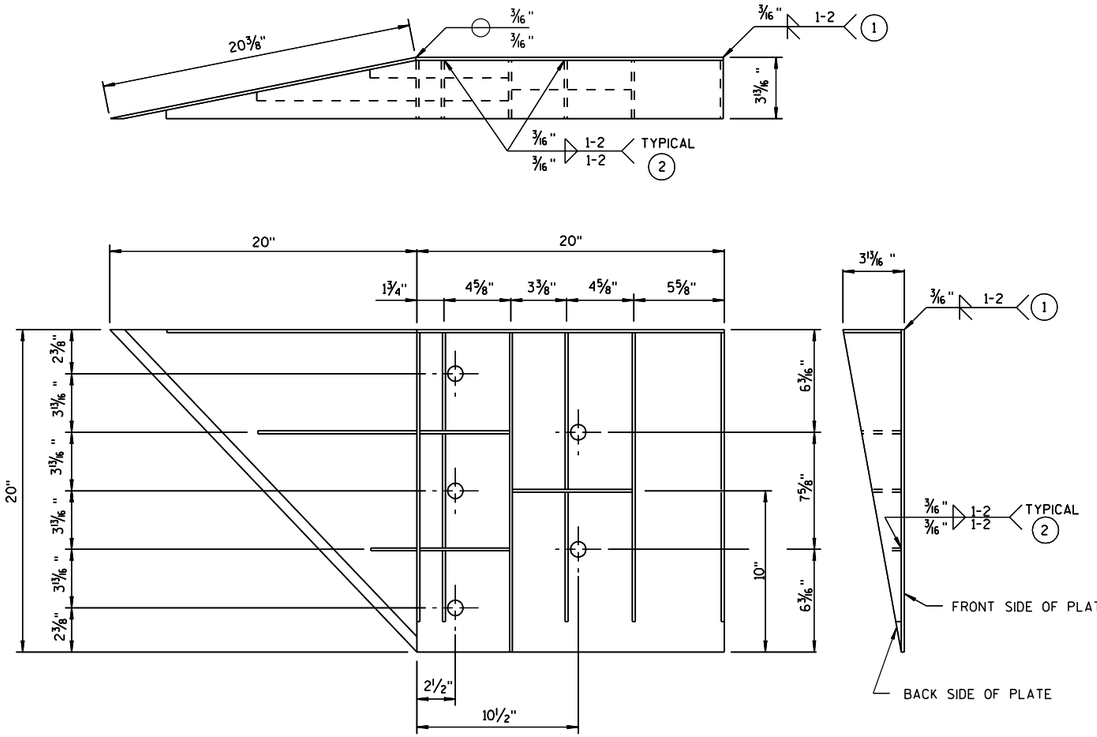
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(1) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(2) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

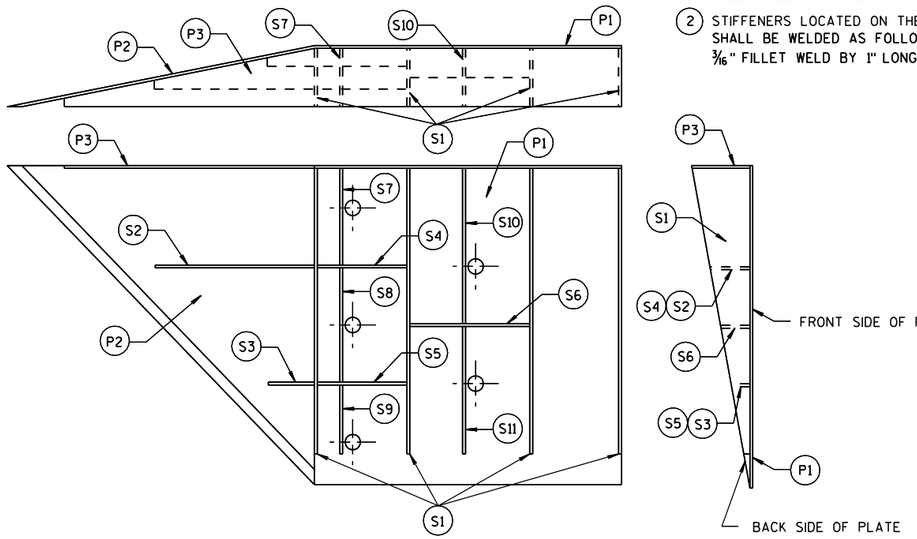


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 DATE
/S/ Jerry H ____
ROADWAY STANDARDS ENGINEER

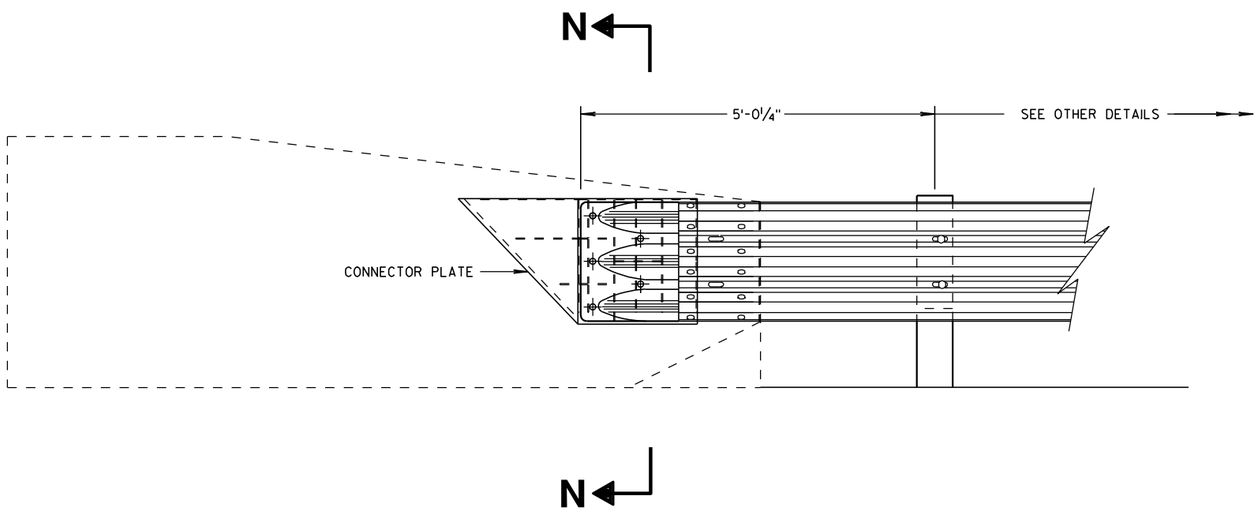
FHWA

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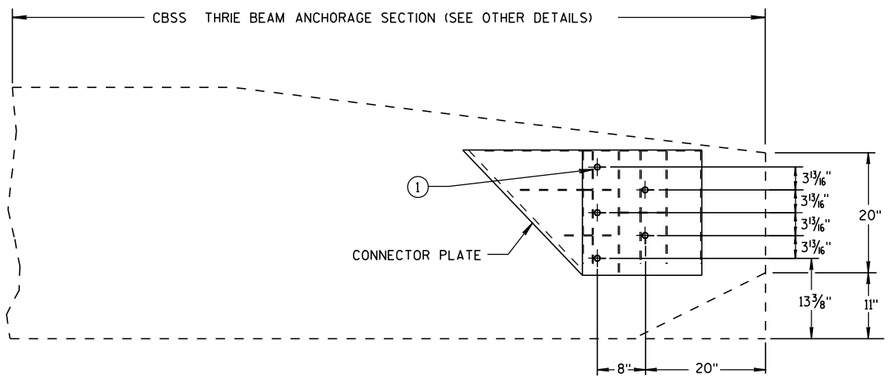
S.D.D. 14 B 45-3i

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S.D.D. 14 B 45-3i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER

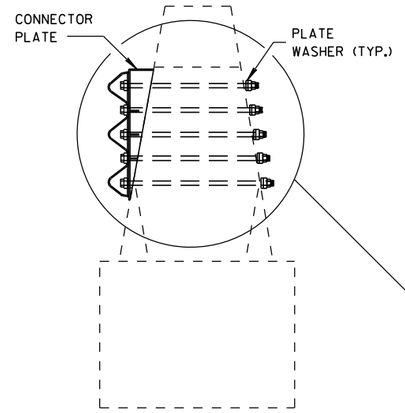


SINGLE SLOPE CONNECTION PLATE PLACEMENT

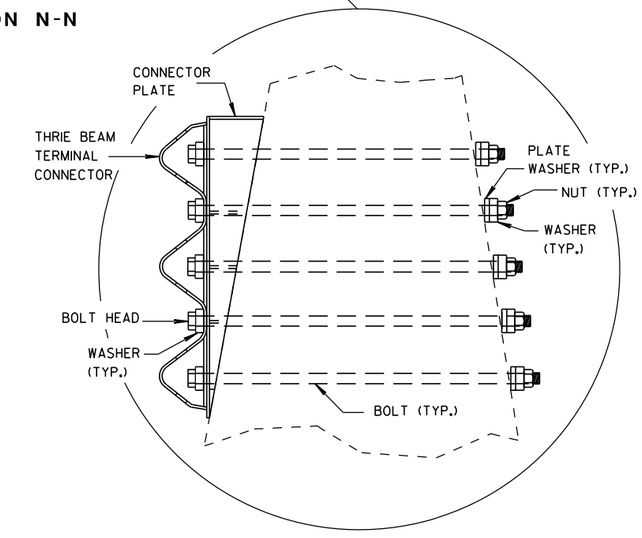
GENERAL NOTES

CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(1) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

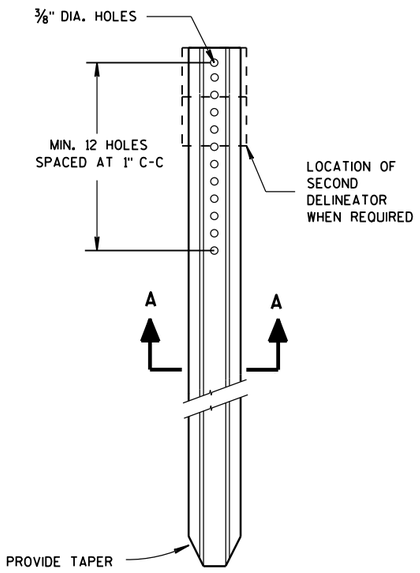
APPROVED
8/31/2012 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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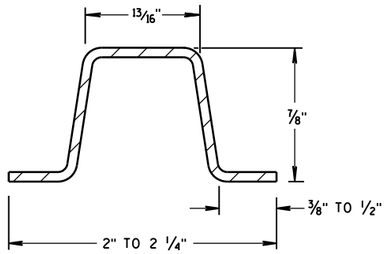
S.D.D. 14 B 45-3j

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S.D.D. 14 B 45-3j

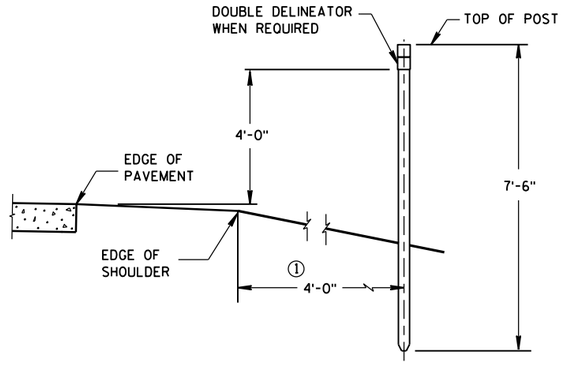


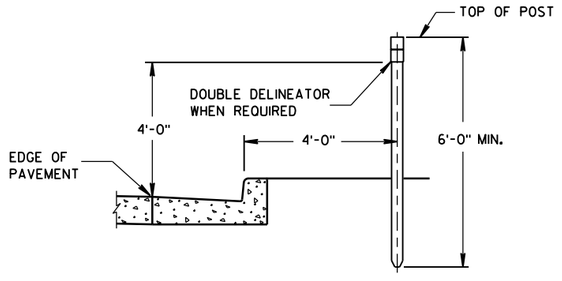
DELINEATOR POST



SECTION A-A

WEIGHT 1.12 LBS PER FT. ± 0.1 LB.



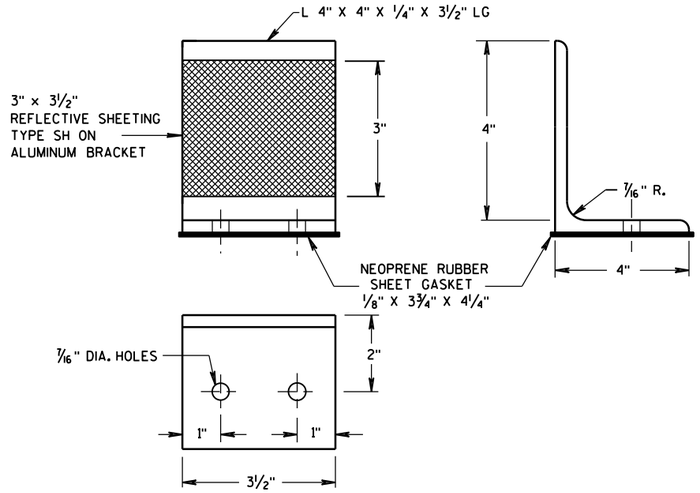


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

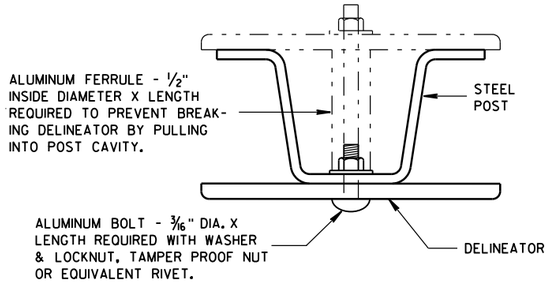
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

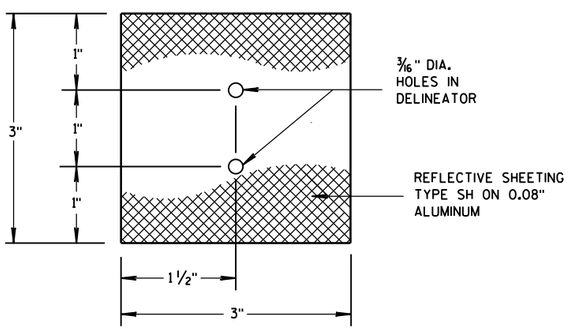
① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.



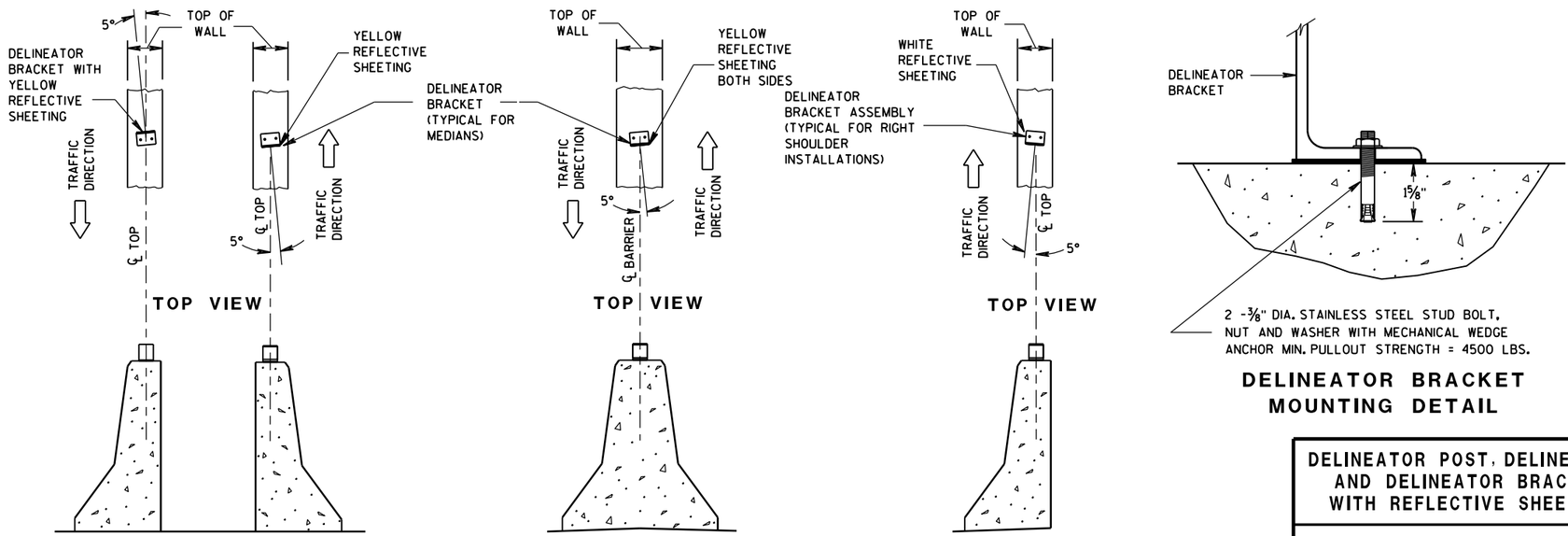
DELINEATOR BRACKET



MOUNTING DETAIL FOR DELINEATOR



3"x 3" DELINEATOR



DOUBLE BARRIERS IN MEDIAN | MEDIAN BARRIER | BARRIER LOCATED TO RT. OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR DELINEATOR BRACKETS MOUNTED ON CONCRETE BARRIERS

DELINEATOR BRACKET MOUNTING DETAIL

DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

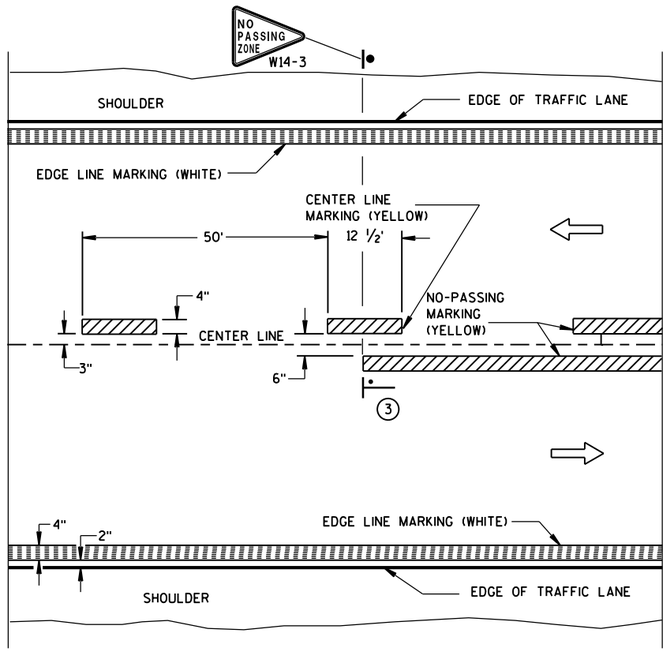
APPROVED
7/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC E
FHWA

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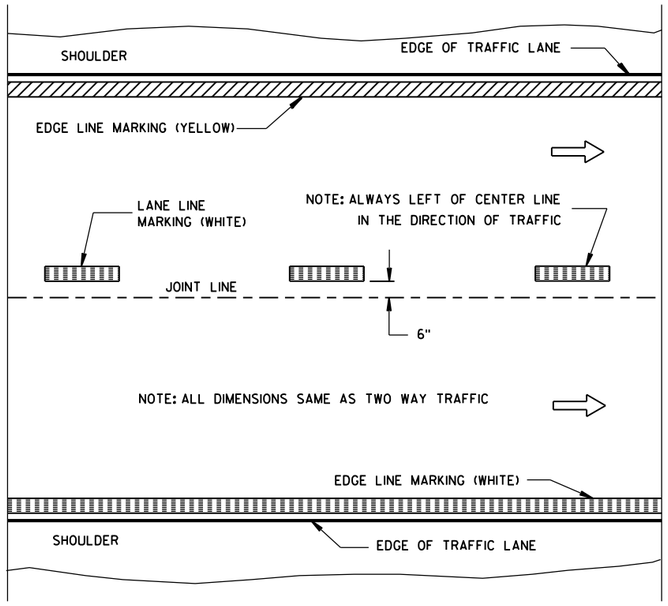
S.D.D. 15 A 2-8

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S.D.D. 15 A 2-8

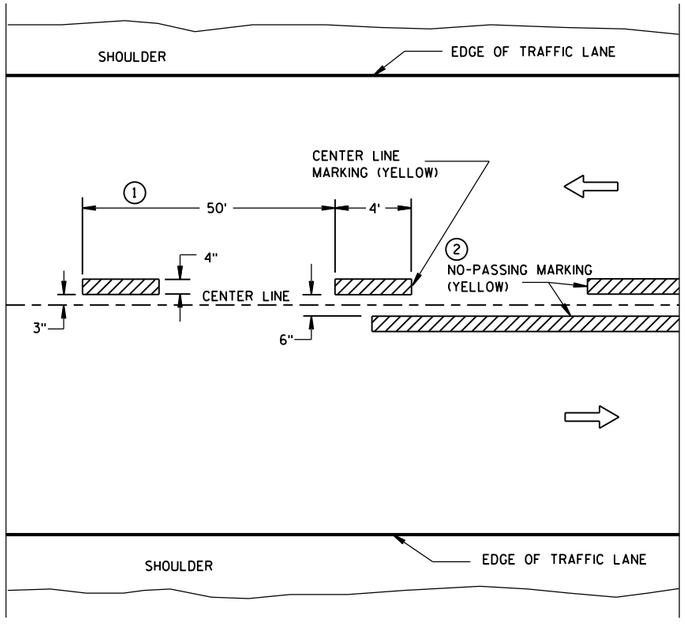


TWO WAY TRAFFIC

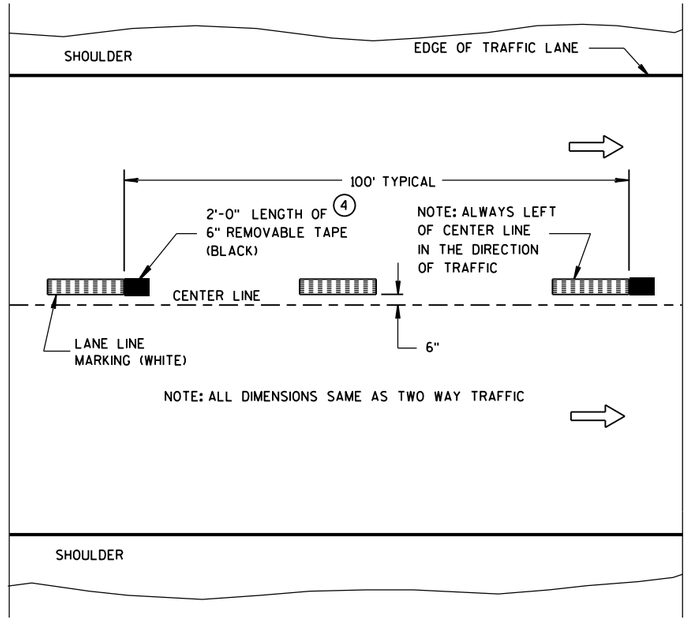


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

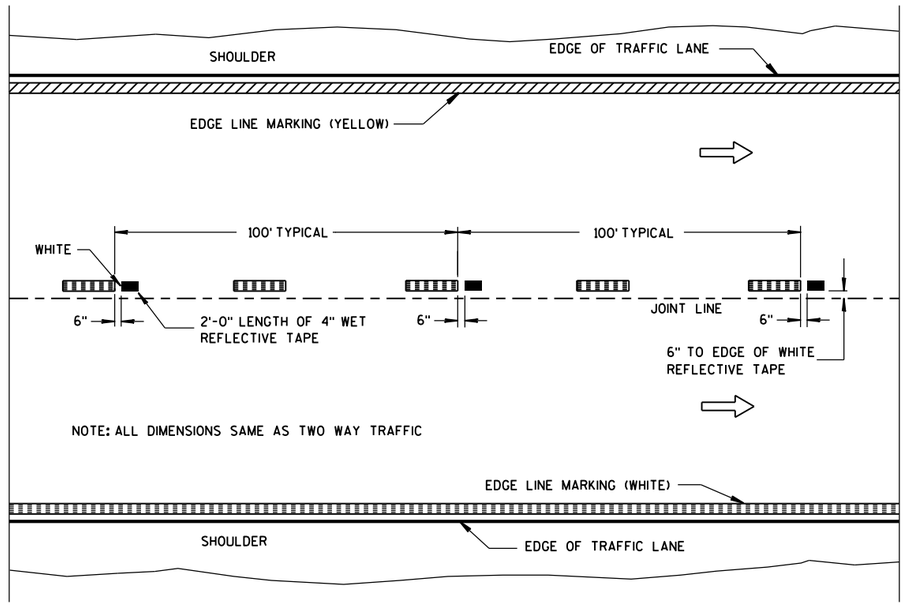
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

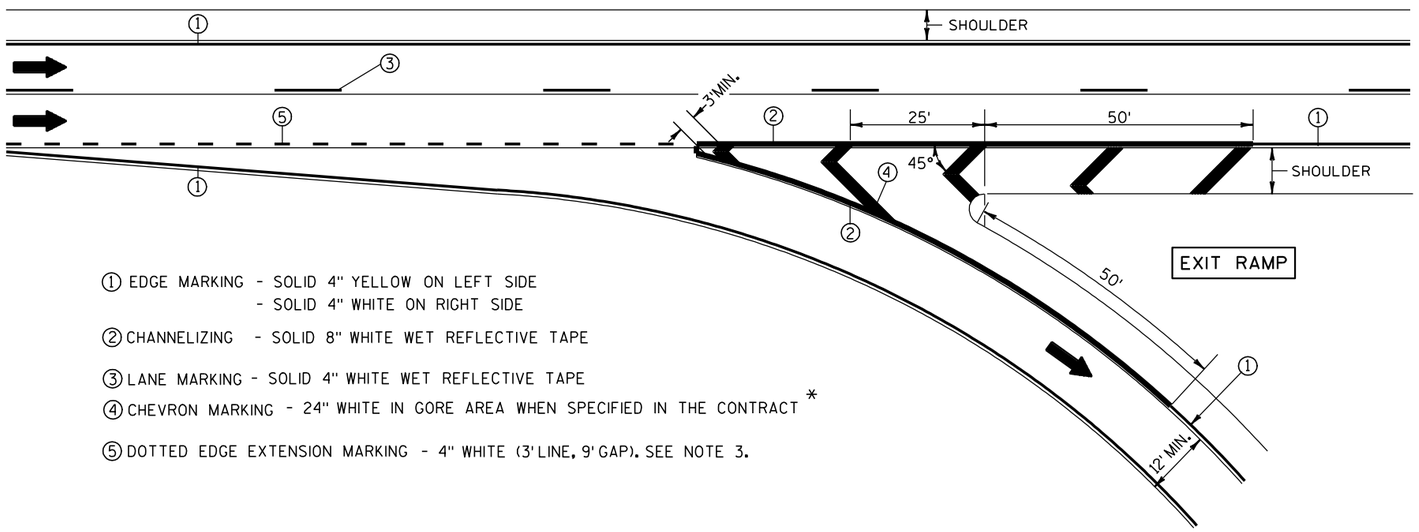
APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

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S.D.D. 15 C 8-16a

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S.D.D. 15 C 8-16a



① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE

② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE

③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE

④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *

⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

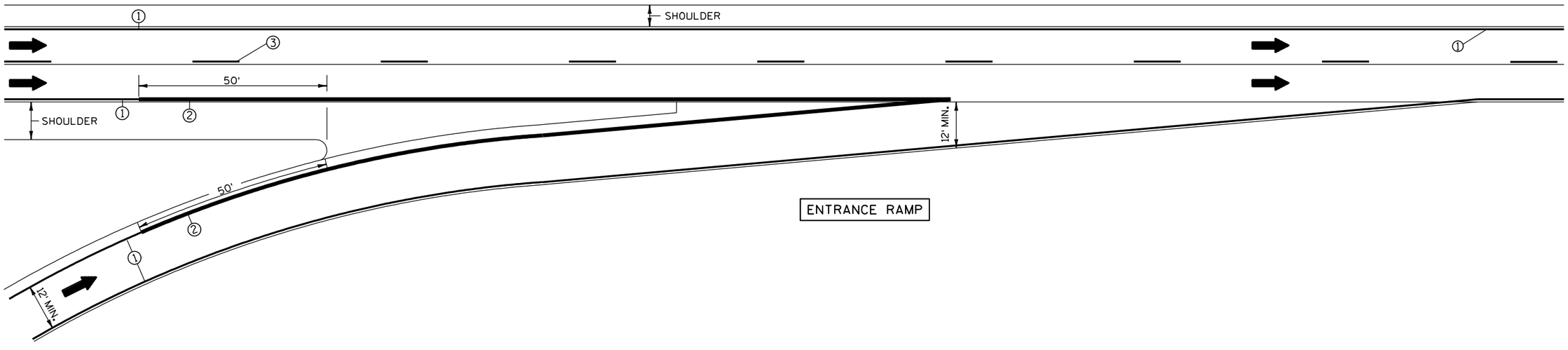
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.



6

S.D.D. 15 C 31-1a

PAVEMENT MARKING
(RAMPS AND GORES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 31-1a

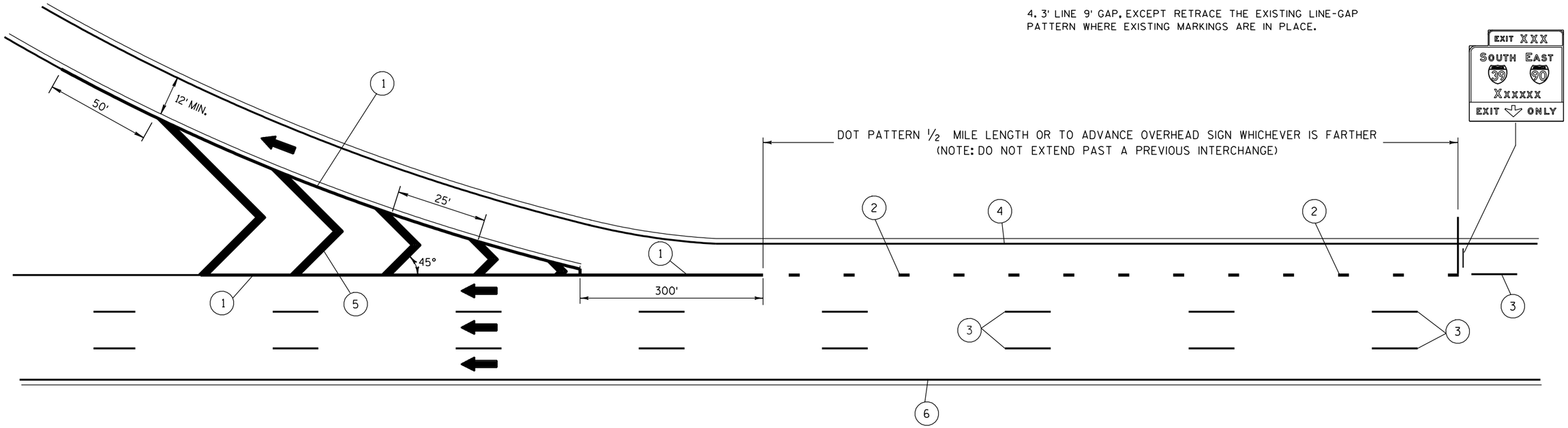
NOTES:

1. SEE STANDARD DETAIL DRAWING 15 C 10 FOR SPRAYED OR NON WET REFLECTIVE LINE SEGMENTS.

2. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

3. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

4. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.



1. CHANNELIZING - SOLID 8" WHITE WET RELECTIVE TAPE
2. 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE. SEE NOTE 4.
3. SOLID 4" WHITE WET REFLECTIVE TAPE
4. 4" WHITE EDGELINE
5. CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT
6. 4" YELLOW EDGELINE

LANE DROP
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 31-1b

6

S.D.D. 15 C 31-1b

NOTES:

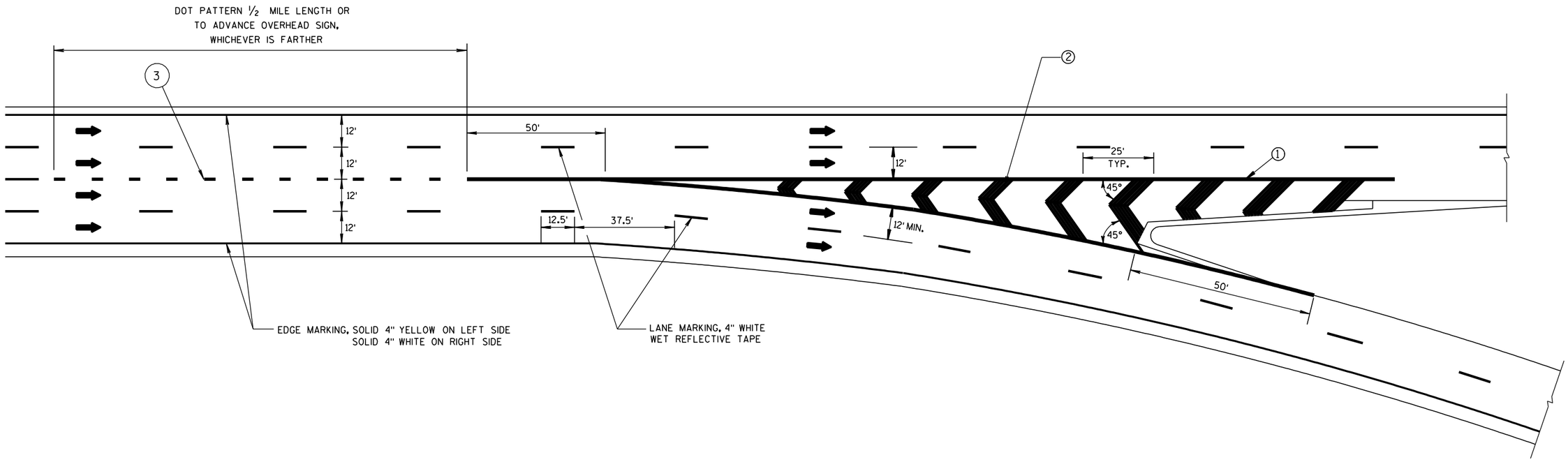
1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.

2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.

① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE.

② CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

③ 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE.



6

6

S.D.D. 15 C 31-1c

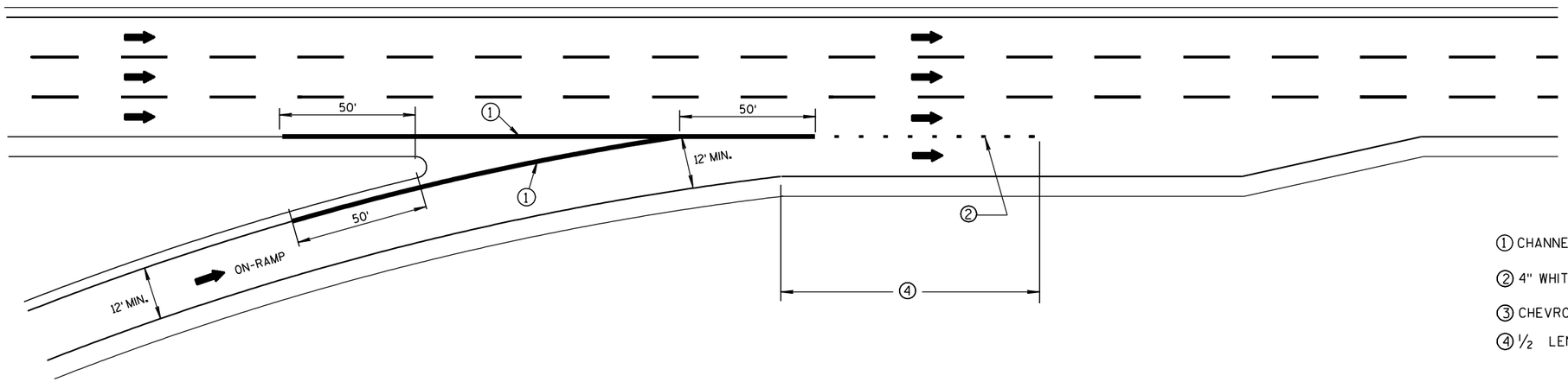
S.D.D. 15 C 31-1c

PAVEMENT MARKING
MAJOR SPLIT
FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

NOTES:

1. AHEAD ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
3. RETRACE EXISTING DIAGONAL MARKINGS.



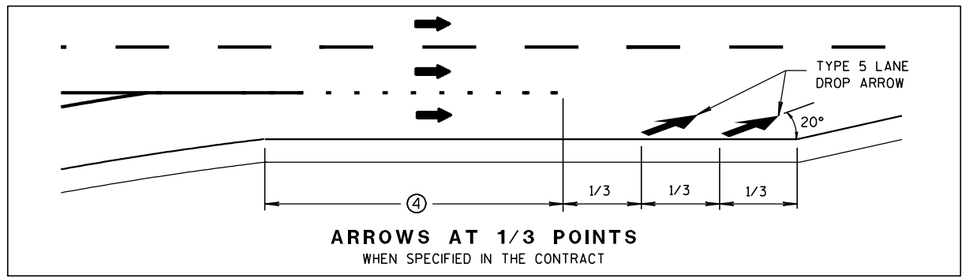
① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.

② 4" WHITE (3' LINE, 9' GAP).

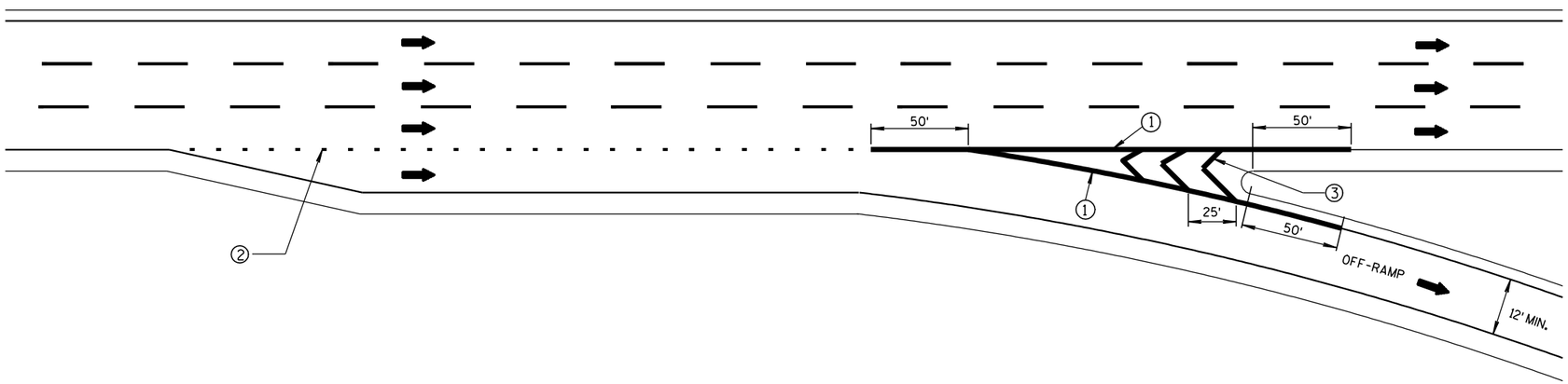
③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.

④ ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP



ARROWS AT 1/3 POINTS
WHEN SPECIFIED IN THE CONTRACT



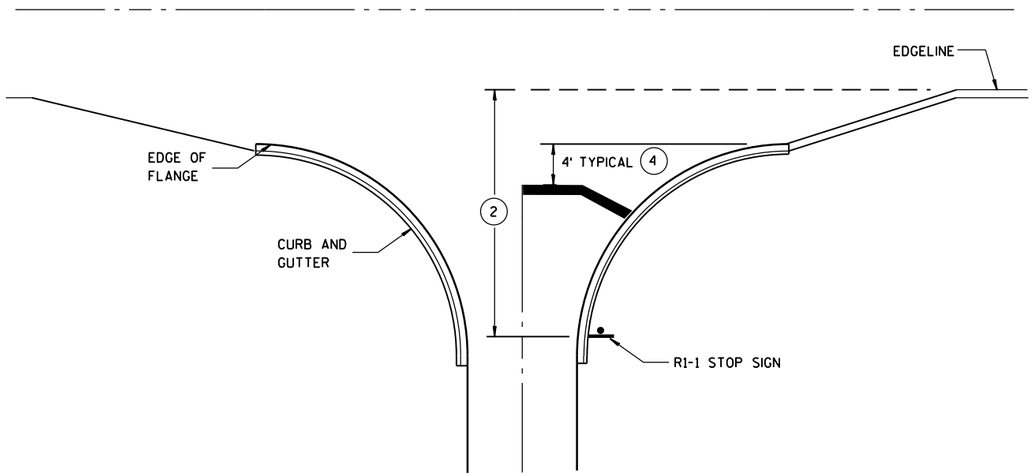
SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP

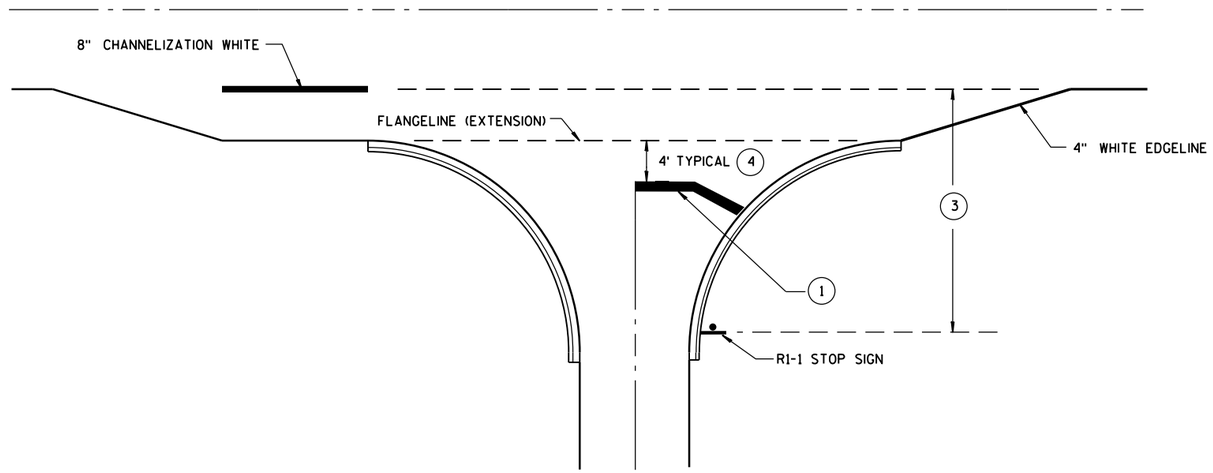
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/23/2011 DATE
/S/ Thomas N. Nothnagel STATE TRAFFIC ENGINEER 170 SIGN
FHWA

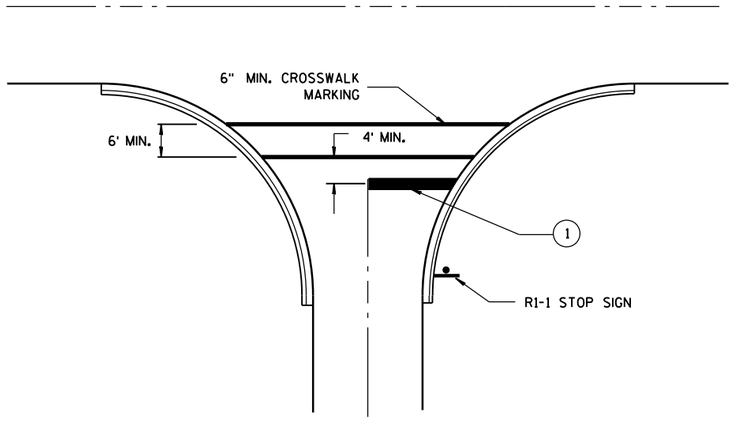
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S.D.D. 15 C 31-1d



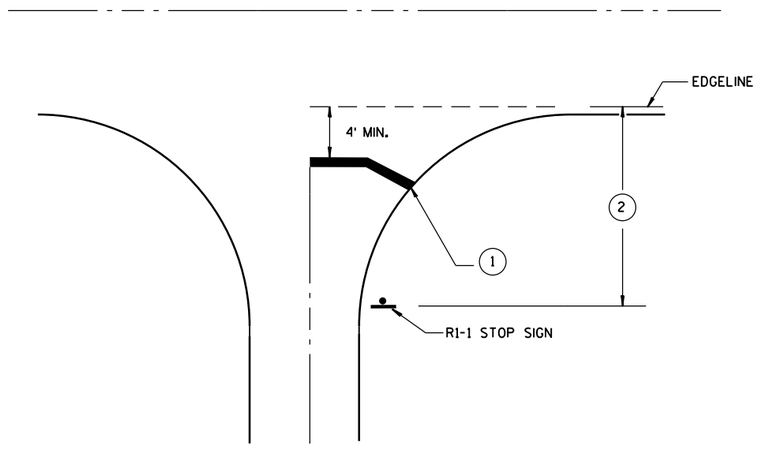
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

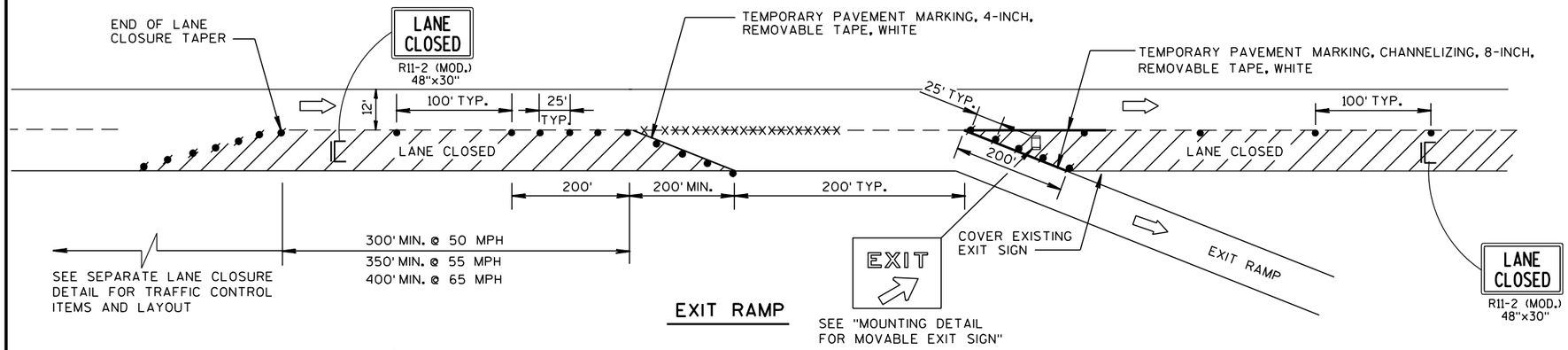
4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

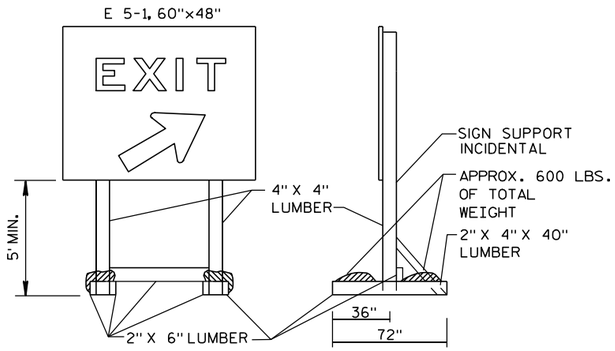
FHWA

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S.D.D. 15 C 33-1

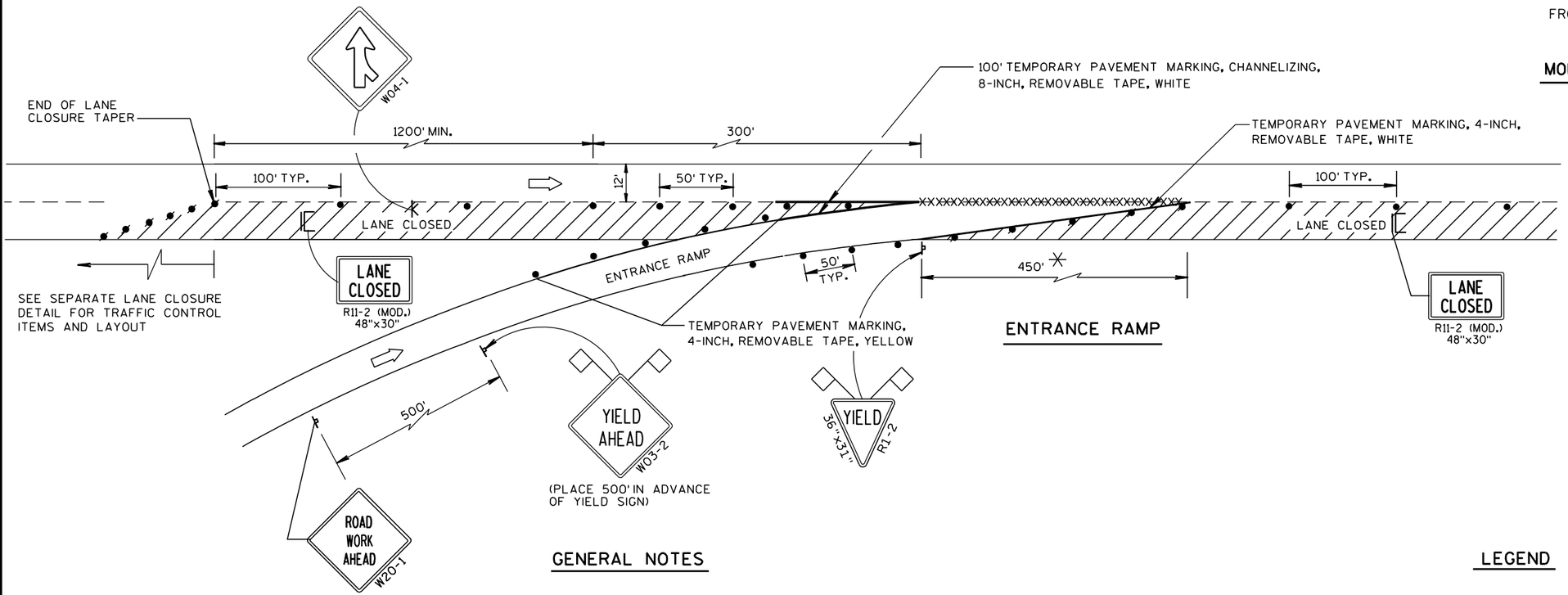


EXIT RAMP



NOTE: ALL LUMBER DIMENSIONS ARE NOMINAL

MOUNTING DETAIL FOR MOVABLE EXIT SIGN



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2 (MOD.) "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

✳ LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- TRAFFIC CONTROL, DRUM
- TRAFFIC CONTROL, DRUM WITH WARNING LIGHT, TYPE C (STEADY-BURN)
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE (8' EQUIVALENT) WITH SIGN
- FLAGS, 16"x16" MIN., ORANGE
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/24/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKINGS ENGINEER
FHWA

S.D.D. 15 D 15-1

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

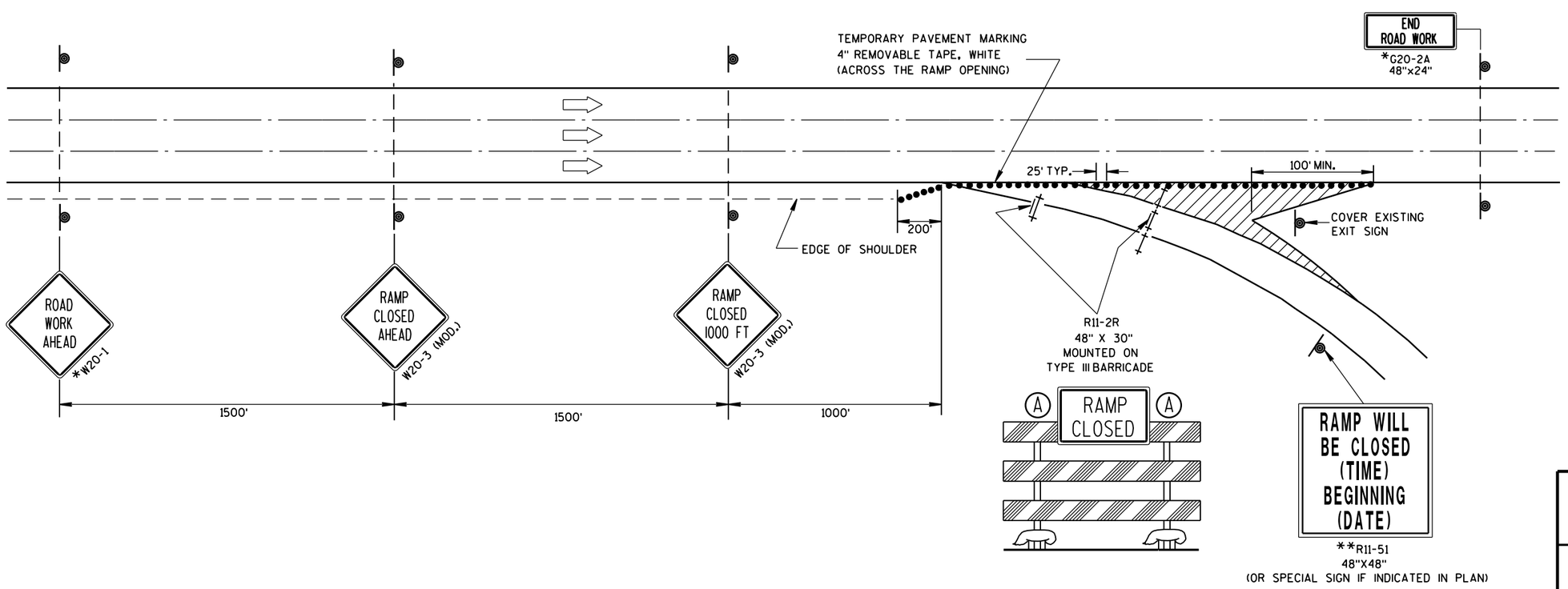
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

*W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL,
EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

DESIGN

FHWA

6

S.D.D. 15 D 16-2

6

S.D.D. 15 D 16-2

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

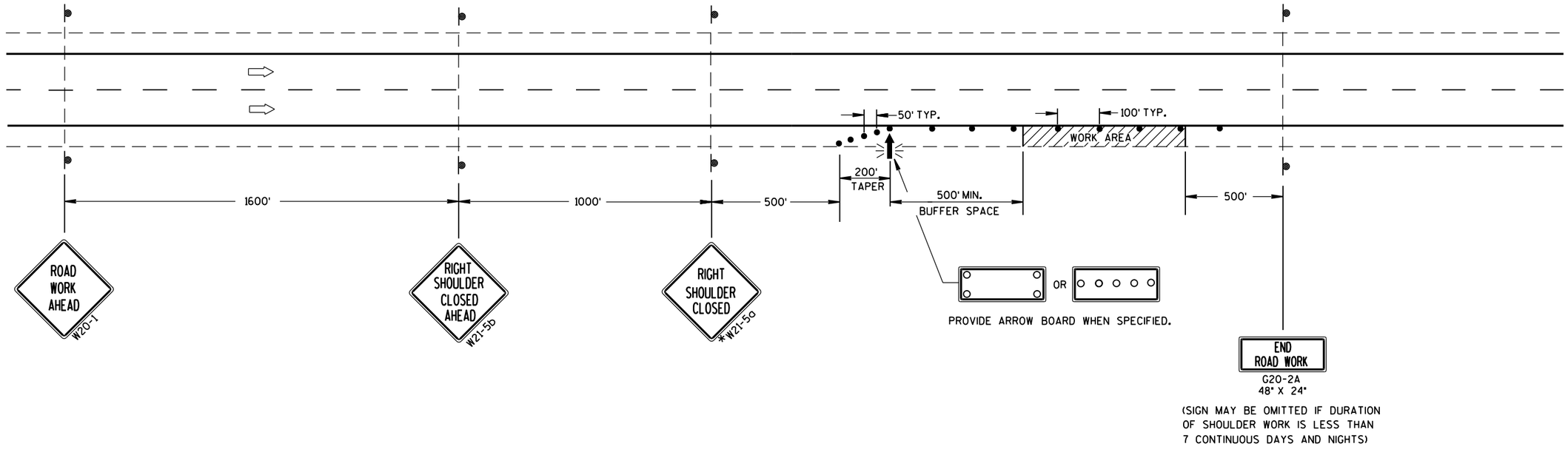
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

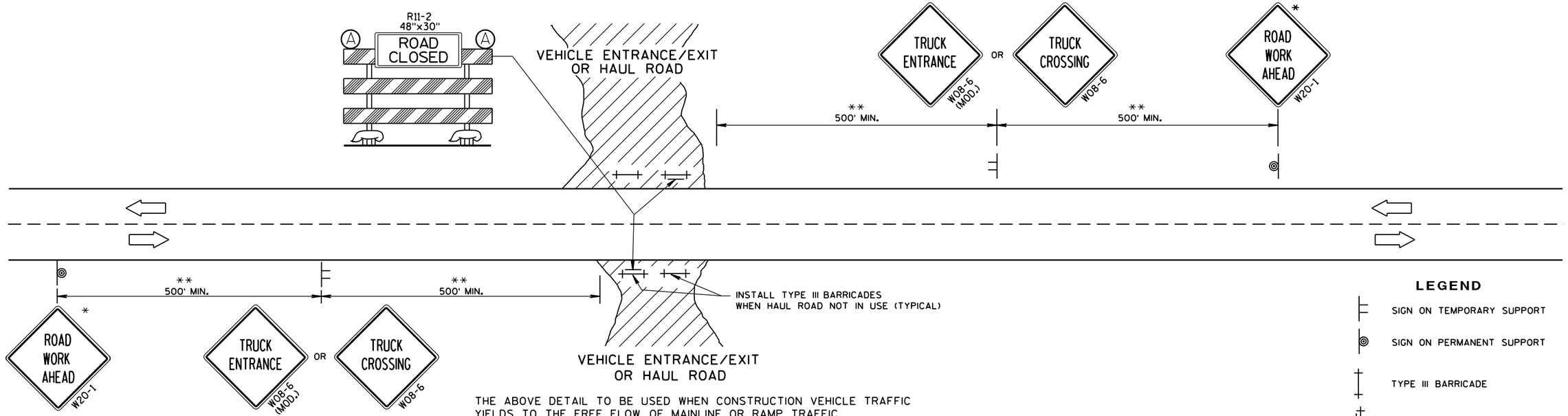
8/2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

6

S.D.D. 15 D 27-2



THE ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE **ENTRANCE/EXIT CONDITIONS ARE SEPARATED BY MORE THAN 2 MILES** FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FEET. FOR 25-30 MPH, USE 200 FEET. USE 1000 FEET/1500 FEET FOR EXPRESSWAY/FREEWAY.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

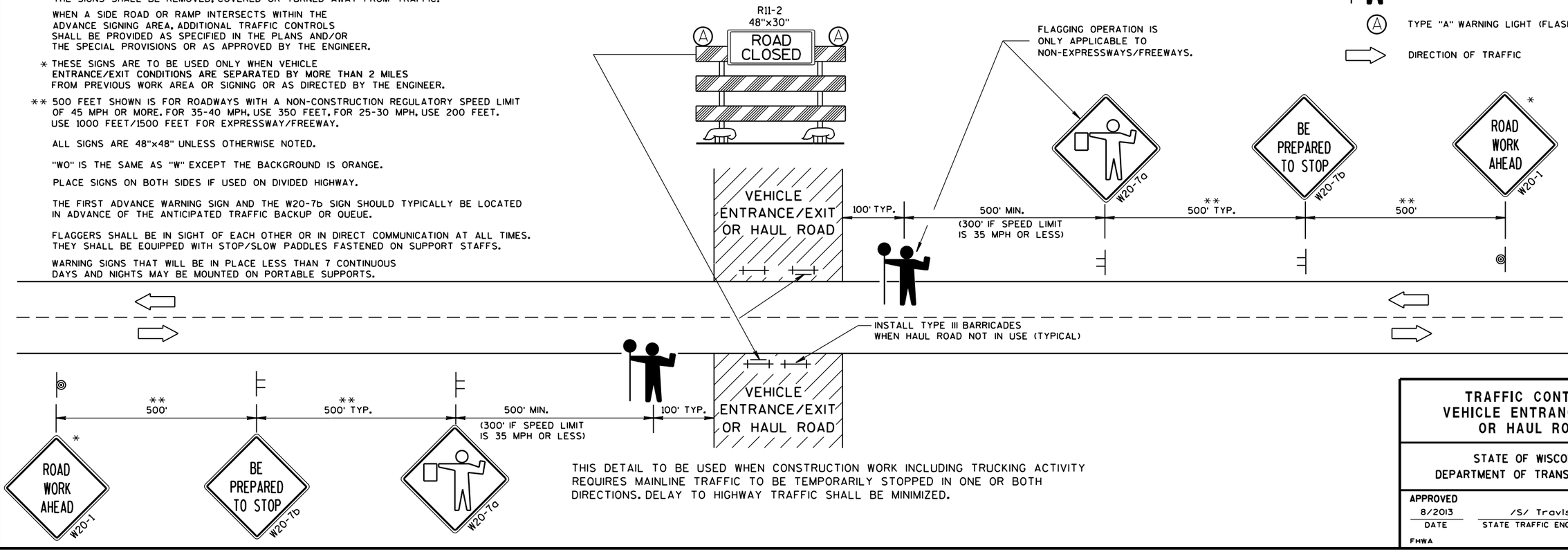
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

THE FIRST ADVANCE WARNING SIGN AND THE W20-7b SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

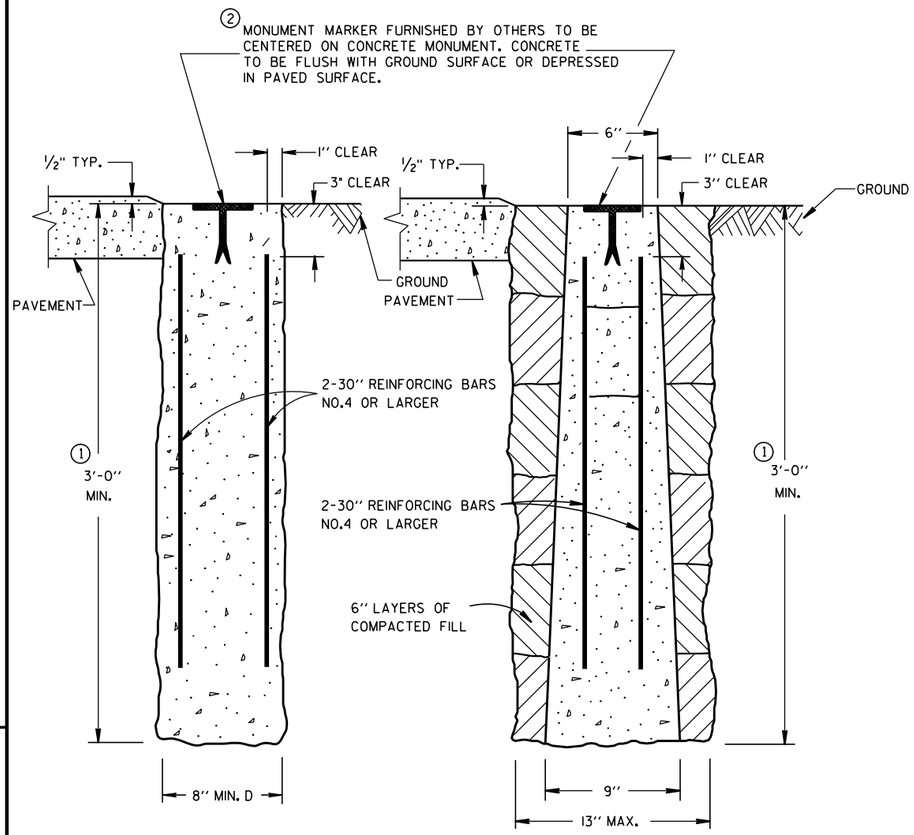
TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

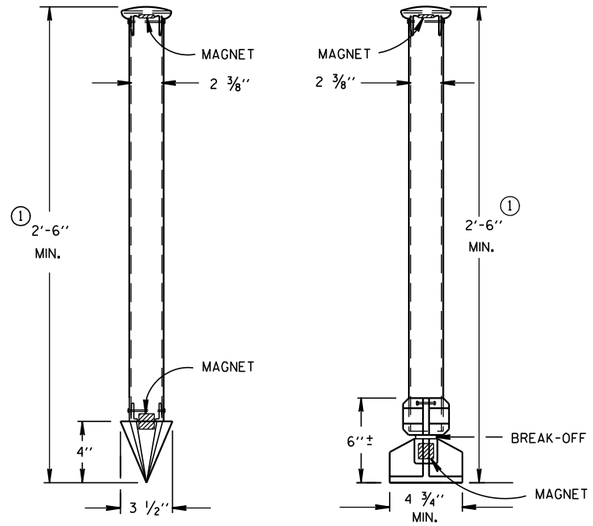
S.D.D. 15 D 29-3



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C DRIVE-IN MONUMENT

TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

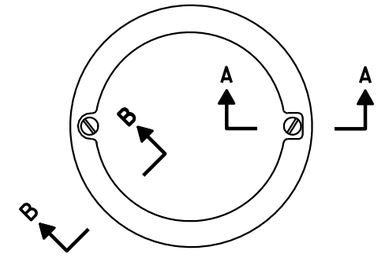
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

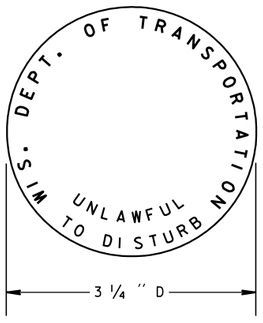
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

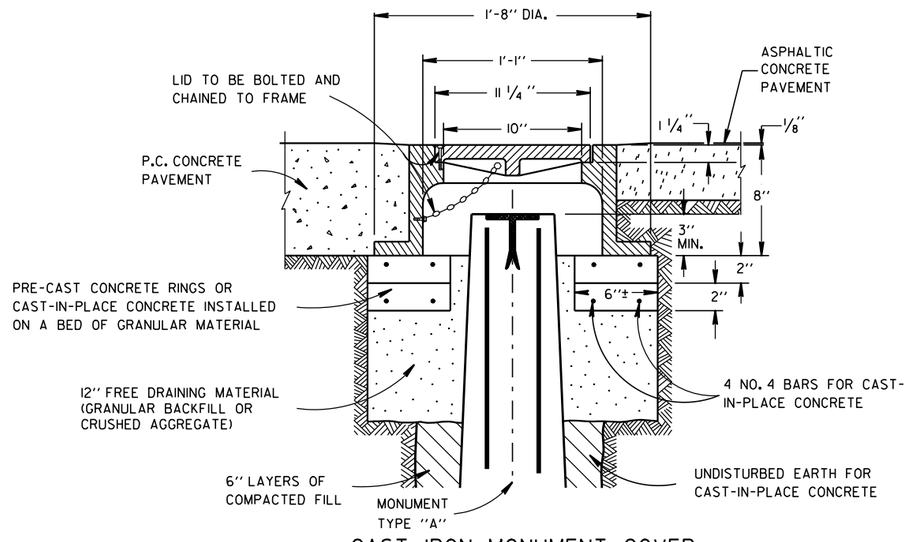
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

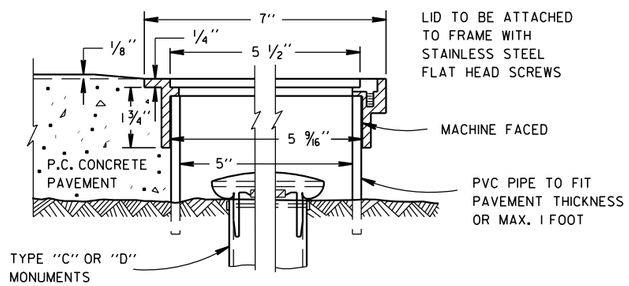


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

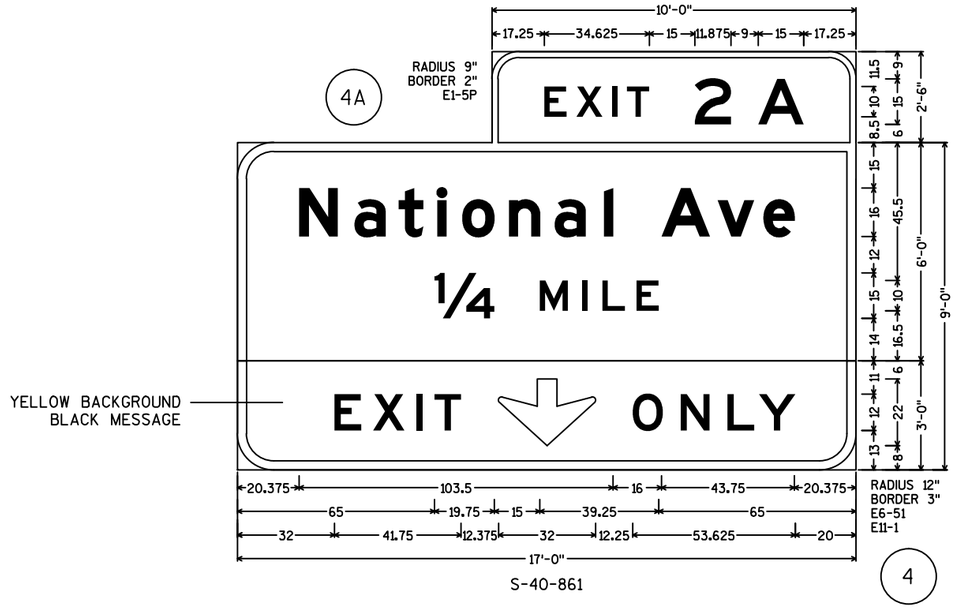
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

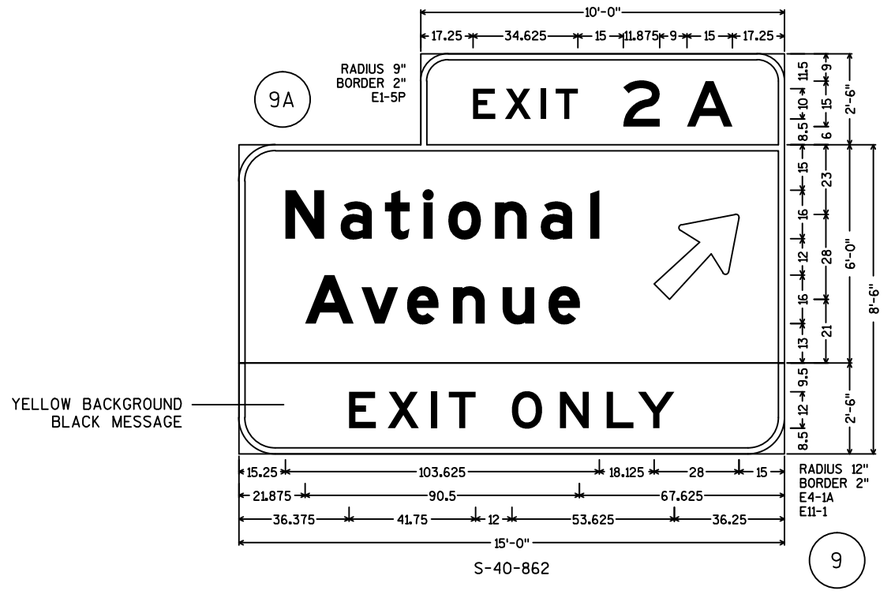
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/22/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6 S.D.D. 16 A 1-6



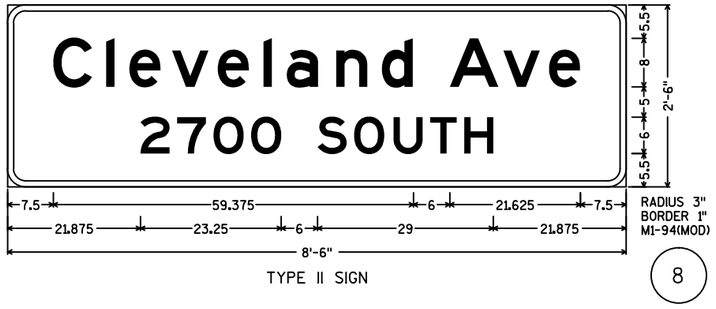
S-40-861



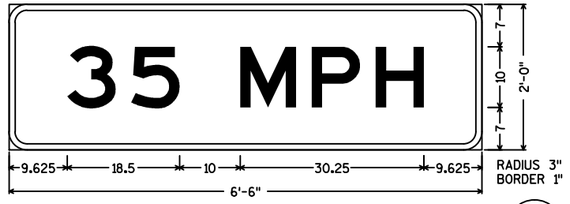
S-40-862

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.



TYPE II SIGN



TYPE II SIGN

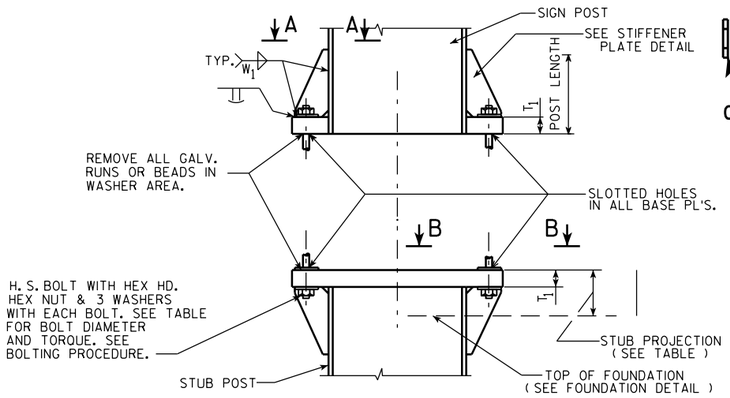
YELLOW BACKGROUND
BLACK MESSAGE
TYPE F SHEETING

SHEET 1 OF 1

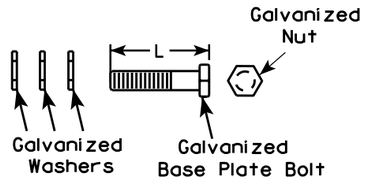
PROJECT NO: 1060-34-82	HWY: IH 894 - NORTHBOUND	COUNTY: MILWAUKEE	SIGN DETAIL - TYPE I SIGNS	SHEET 177	E

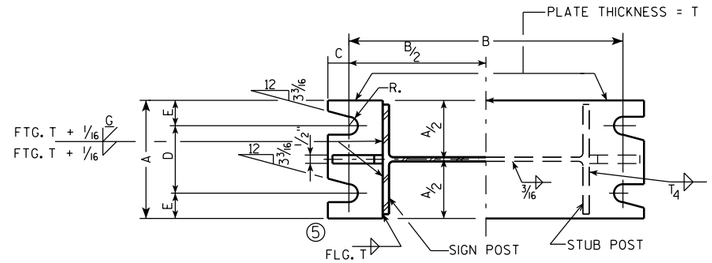
FILE NAME : J:\PROJECTS\D2_106034894\82\SIGN\070101_MS.DWG PLOT DATE : 5/29/2015 9:12 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET

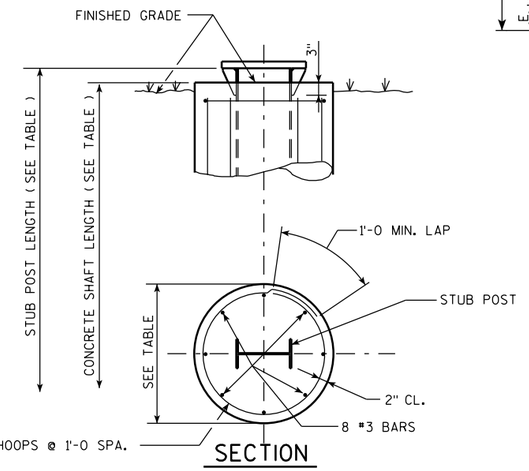


SIGN POST AND STUB POST ELEVATION

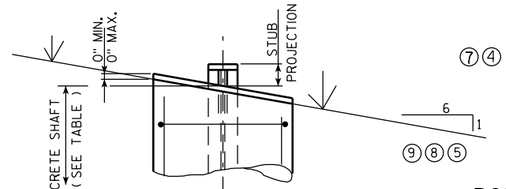




SECTION A-A SECTION B-B



SECTION



SHAFT PLACEMENT

DESIGN DATA

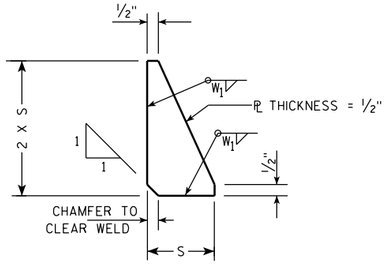
WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND[4]	140 [4]25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1 1/2 T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

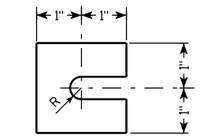
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50.
(9) THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.



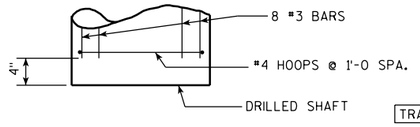
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)



FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

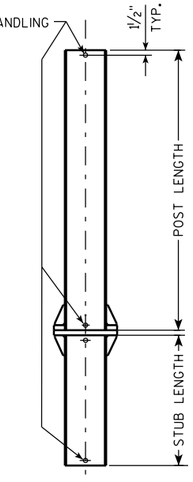
SHIM DETAIL



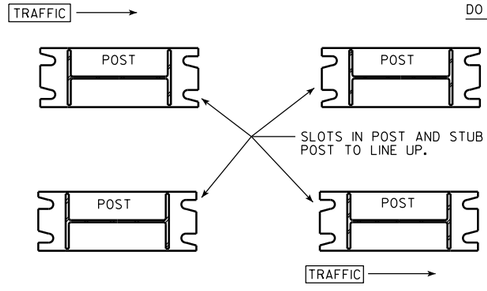
FOUNDATION DETAIL

QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
(7) E	1.0	62

REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
(7)	E	8 @ 7'-11	9 @ 6'-3



POST DETAIL



POST SLOT ORIENTATION (7)

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
5. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.

			BASE CONNECTION DATA TABLE											FOUNDATION DATA				(2)
L	X	TYPE	DIMENSION / POST SIZE	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	K
3 3/4	(4)	A	W10"X12.0 #/FT.	3/4" Φ @ 75#-FT.	5 1/4"	1'-0 3/8	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	13/32"	2 1/8"	3'-6	3"	2'-0 Φ	5'-0	76.0# (4)
4 3/4	(4)	B	W12"X16.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	15/32"	3"	5'-6	3"	2'-0 Φ	7'-0	146.5# (4)
5		C	W12"X19.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	15/32"	3"	6'-0	3"	2'-0 Φ	7'-6	182.1#
5		D	W12"X22.0 #/FT.	7/8" Φ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	15/32"	3"	6'-6	3"	2'-0 Φ	8'-0	210.5#
5	(3)	E	W12"X26.0 #/FT.	1" Φ @ 90#-FT.	7"	1'-4 1/4	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	11/32"	3"	7'-0	3"	2'-0 Φ	8'-6	293.0# (3)
										(1)	(6)	(1)							

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/30/14 PLATE NO. A3-1.15

(10)	1-21-14	LUBRICATION OF BASE BOLTS
(9)	4-26-11	REMOVE NON-GALVANIZED
(8)	10-30-96	NOT GALVANIZED/GALVANIZED
(7)	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
(6)	8-24-87	BASE CONN. WELD
(5)	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
(4)	10-19-79	POST A & B, A572 GR. 50, & K
(2)	11-28-78	"K" (3) 4-23-79 TYPE "E"
(1)	5-4-78	T_1 , T_2 & W_1
NO.	DATE	REVISION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPE A, B, C, D, & E

CONST. SPEC. 2011	DRAWN BY JPH	PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS

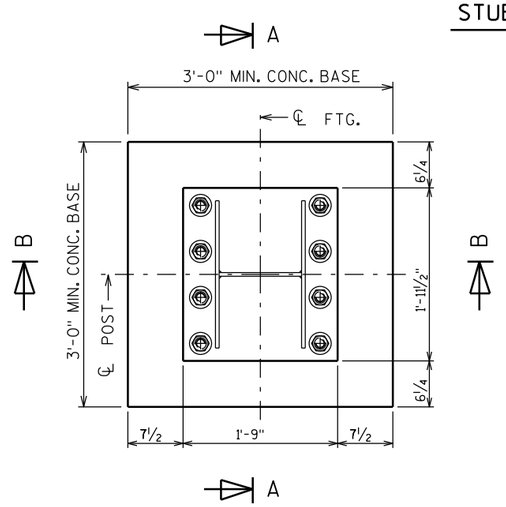
SHEET 178

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

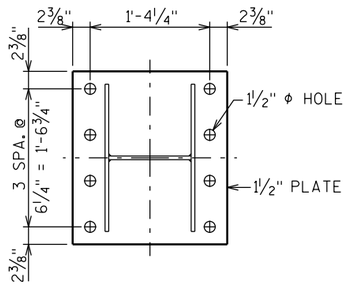
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN PLOT DATE : 30-JUN-2014 10:43 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.351066:1.000000

WISDOT/CADDS SHEET 42

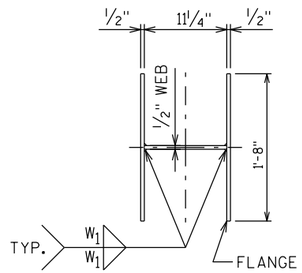
STUB AND MASONRY ANCHOR DETAILS



STUB SECTION



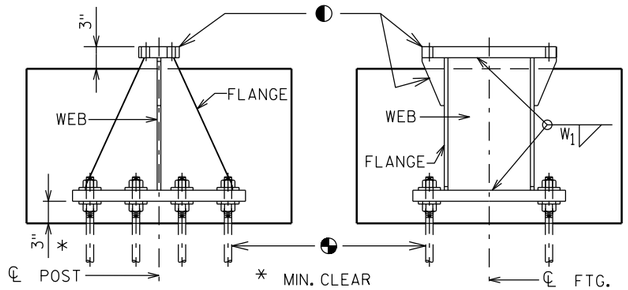
BASE PLATE



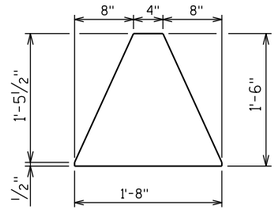
STUB

◐ SEE PLATE NO. A3-1 FOR DETAILS

◒ MASONRY ANCHORS TYPE S 1¼-INCHES (ADHESIVE). ALLOWABLE PULL OUT CAPACITY 14,995 KIPS. EMBED 1'-3" IN ROCK.



SECTION A SECTION B



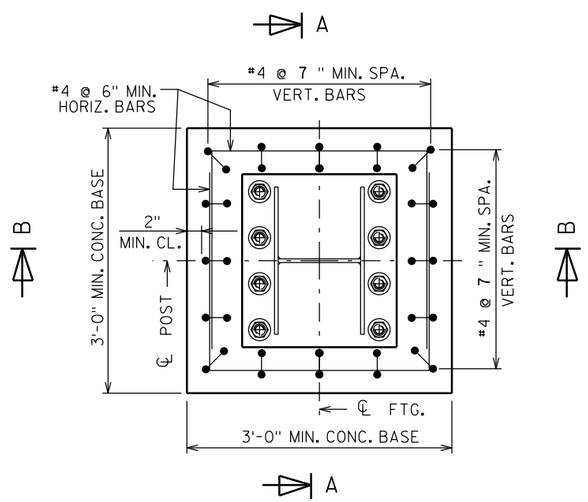
FLANGE

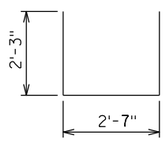
GENERAL NOTES

1. Quantities per Base:
   - REINFORCING BAR STEEL = 62 LBS
   - CONCRETE = 0.6 C.Y.
   - STEEL WEIGHT = 335 LBS
2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS

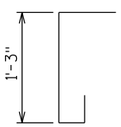
CONCRETE BASE SECTION





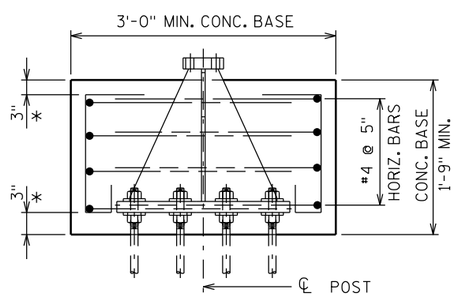
HORIZONTAL BAR

8 BARS @ 6'-11" LENGTH



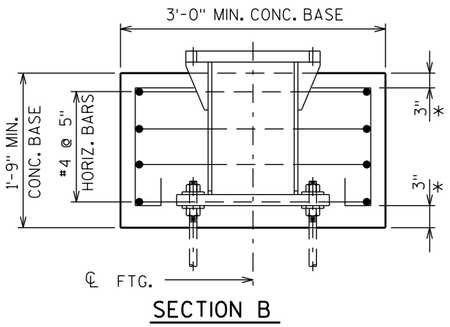
VERTICAL BARS

16 BARS @ 2'-4" LENGTH
MAY BE PLACED IN SKEW
FOR CLEARANCE NEED



SECTION A

* MIN. CLEAR



SECTION B

ALTERNATE BREAK-AWAY BASE ON ROCK
A3-1M

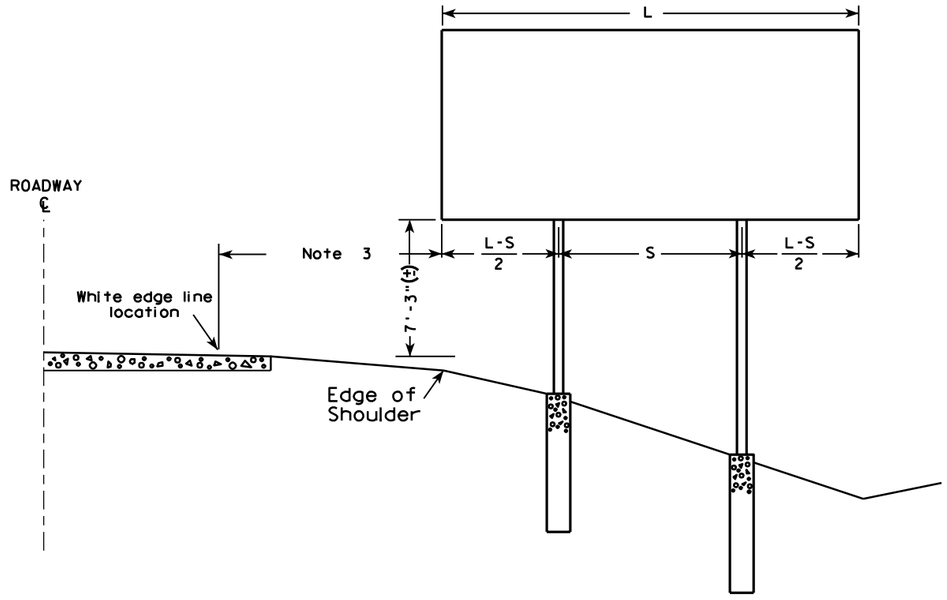
WISCONSIN DEPT OF TRANSPORTATION

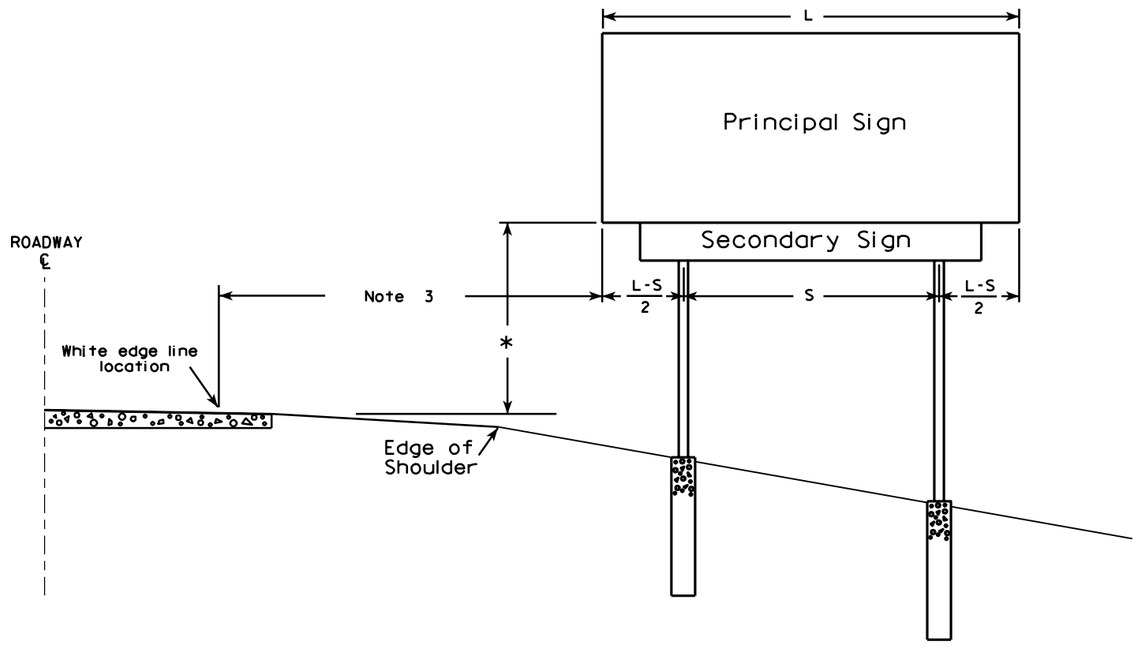
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/2014 PLATE A3-1M.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A31M.DGN PLOT DATE : 10-MAR-2014 15:16 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.556674:1.000000 WISDOT/CADDS SHEET 42





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

7

7

TYPICAL INSTALLATION OF TYPE I SIGNS

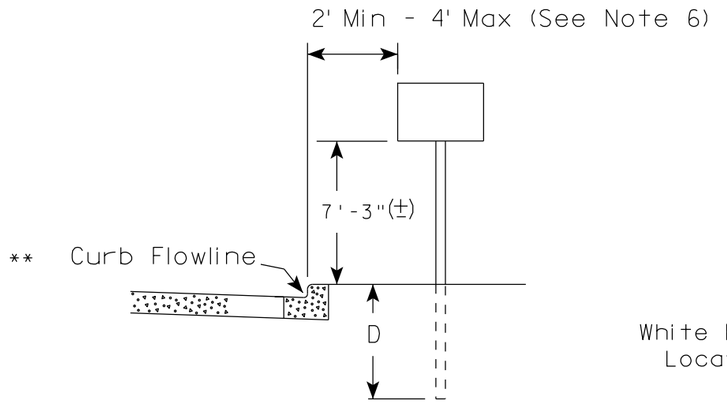
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

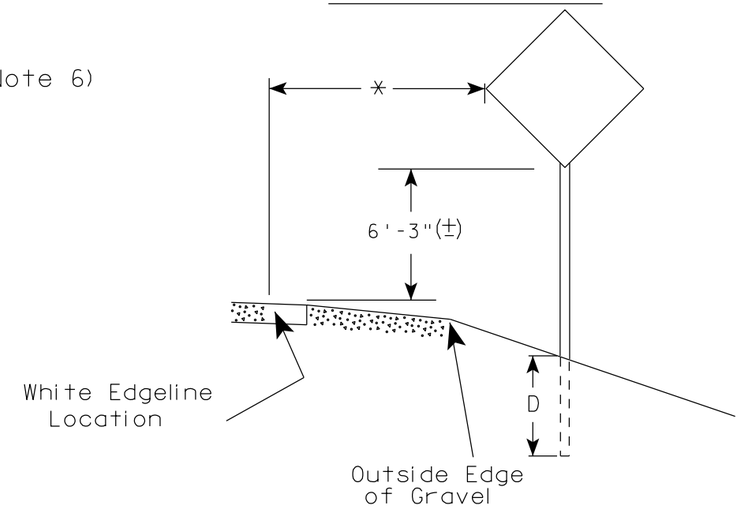
DATE 4/02/08 PLATE NO. A4-1.9

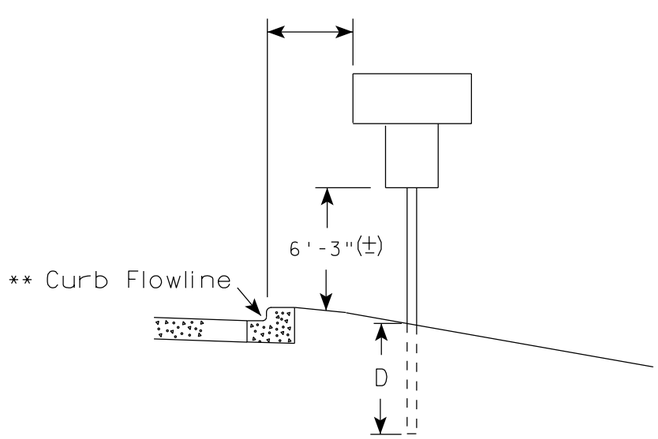
PROJECT NO:				SHEET NO: 180	E

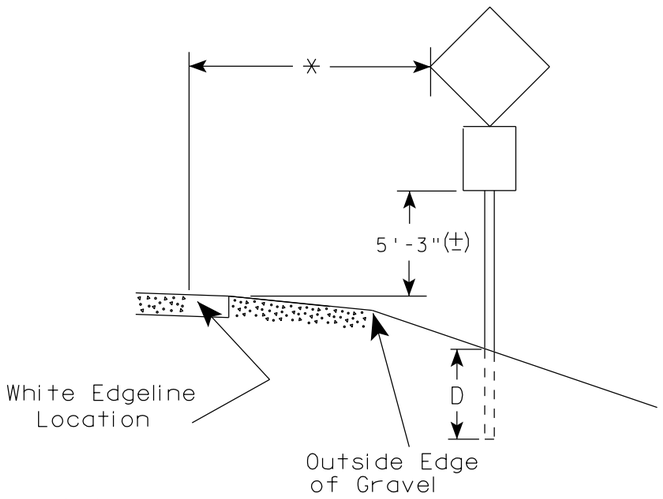
URBAN AREA



RURAL AREA (See Note 2)







GENERAL NOTES

1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

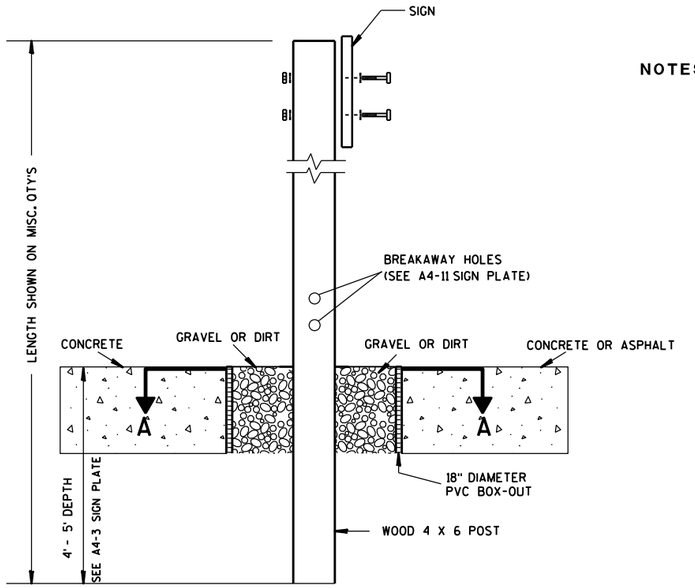
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-3.19

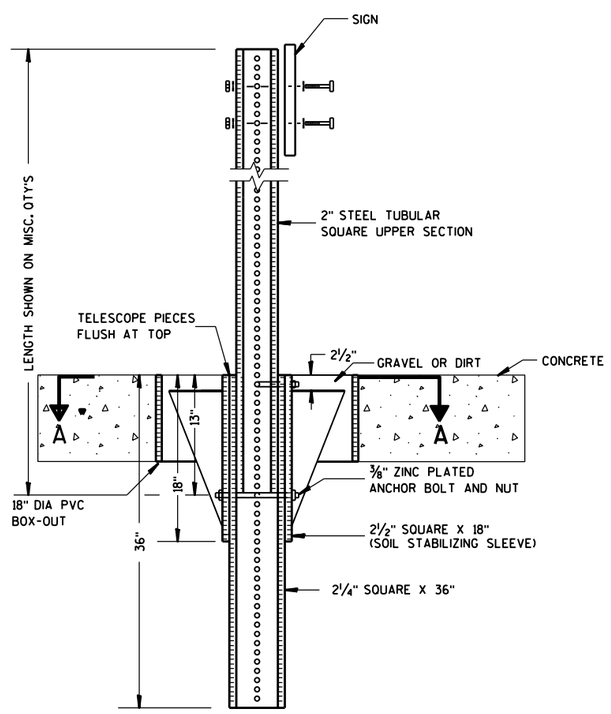
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

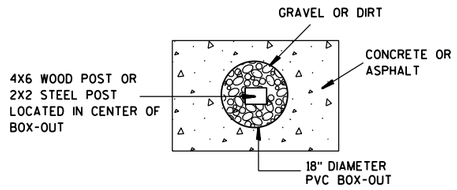
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

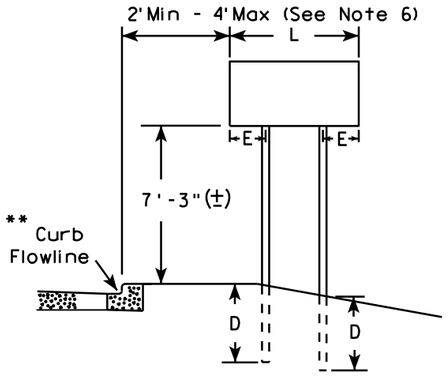
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

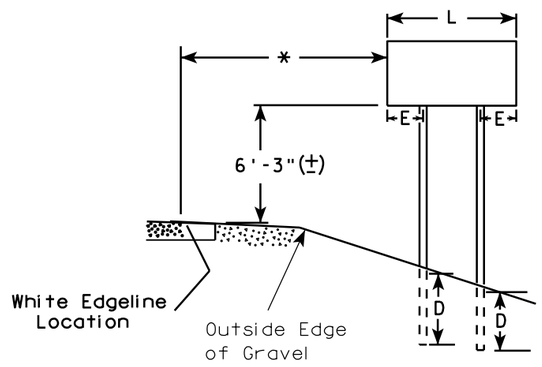
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

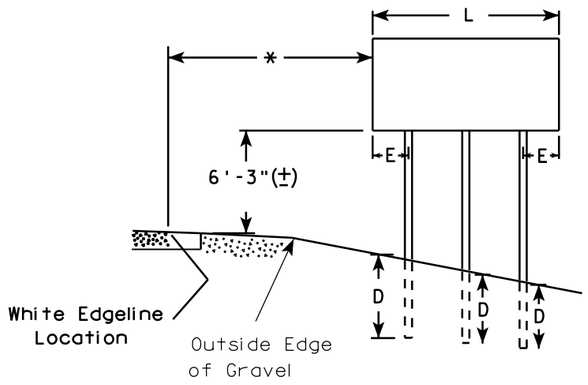
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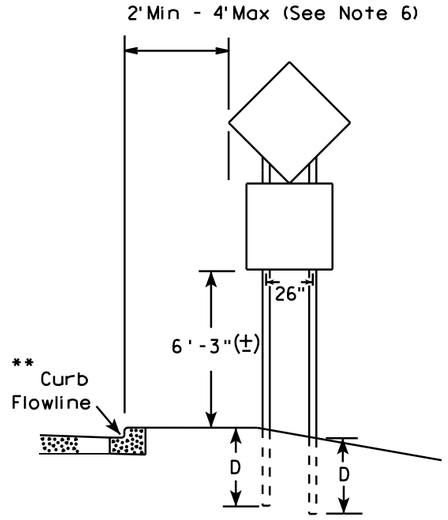
URBAN AREA



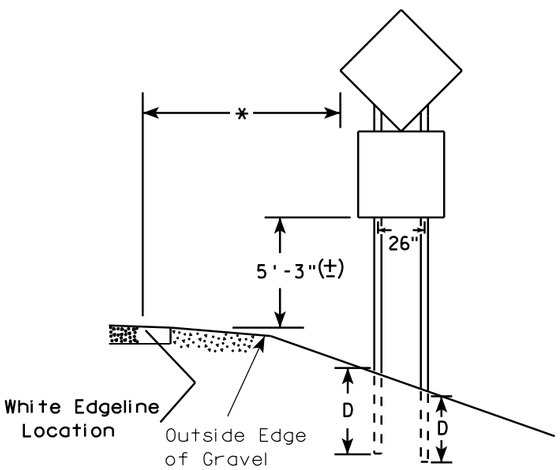
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

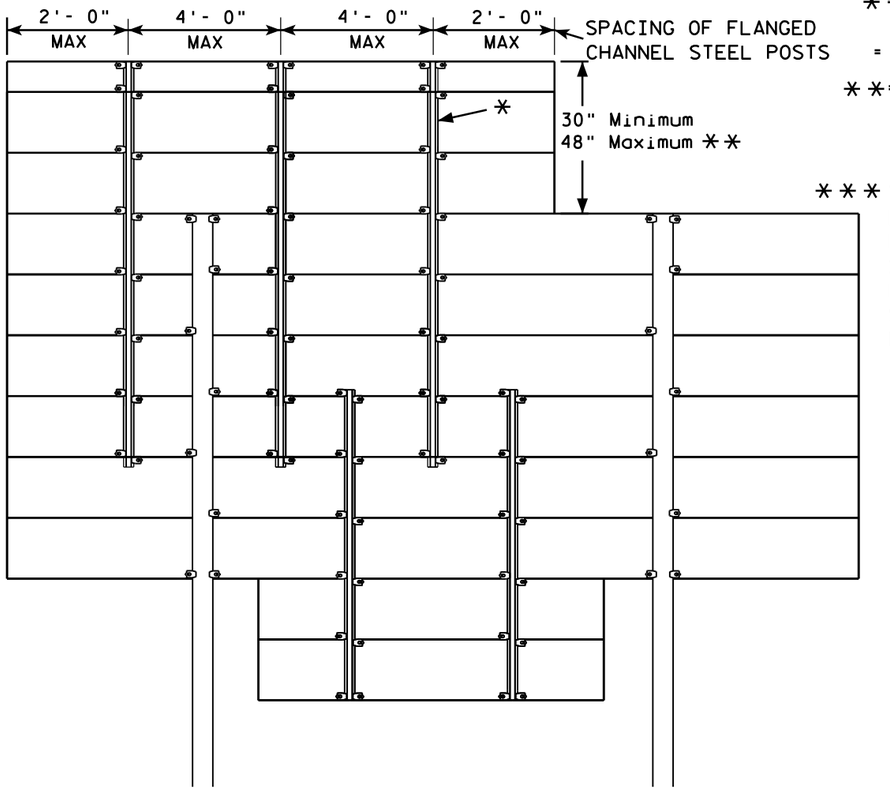
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/14 PLATE NO. A4-4 13
183

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

GROUND MOUNTED SIGN

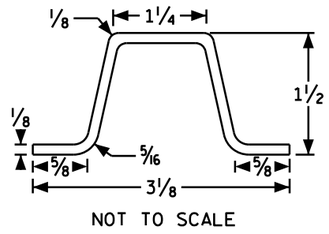


* =2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

** =FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

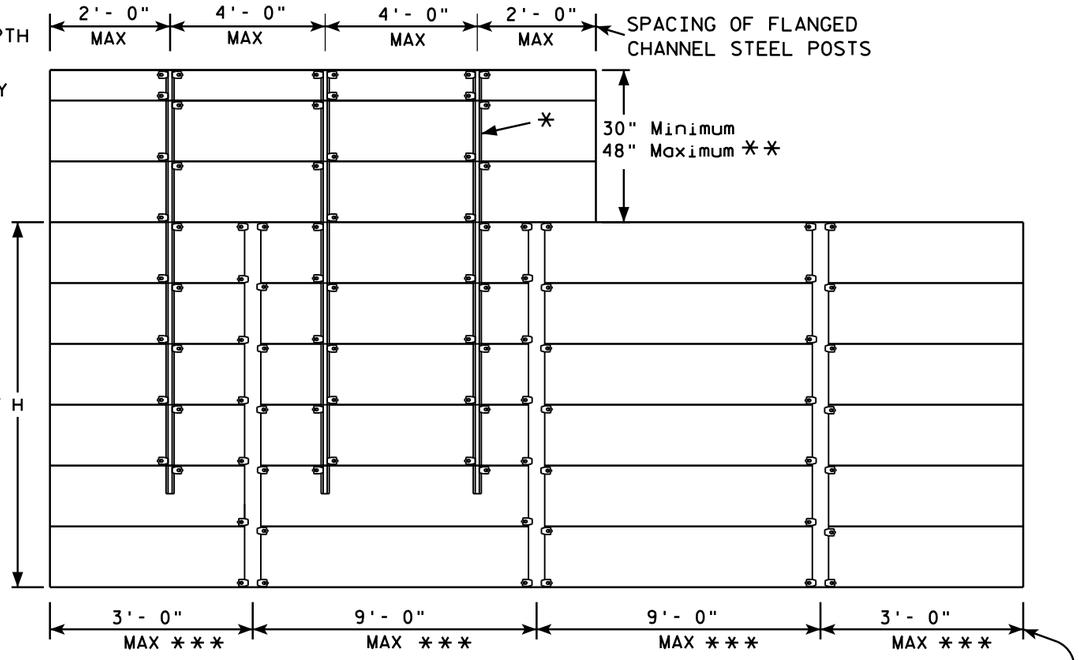
*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

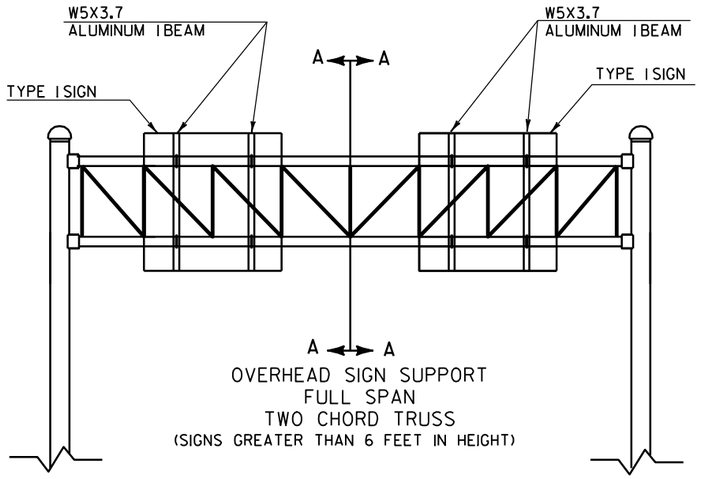
ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

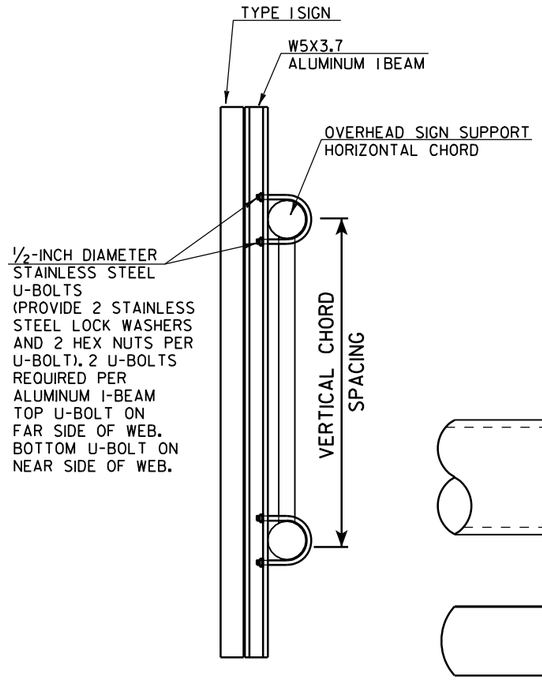
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/05/13 PLAT 184 A4-6.12

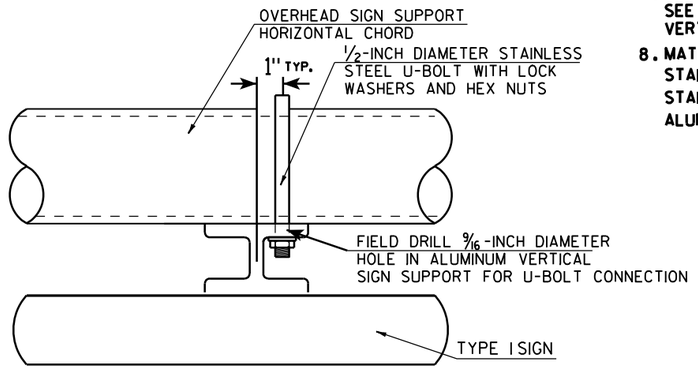
PROJECT NO:				SHEET NO:	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



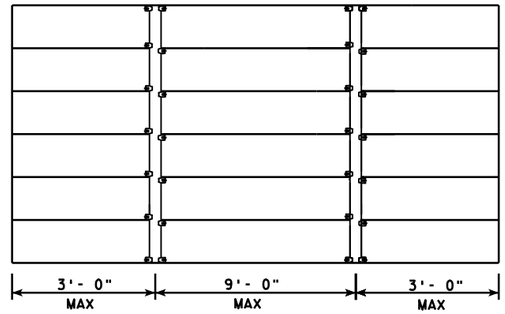
CUT SECTION A-A



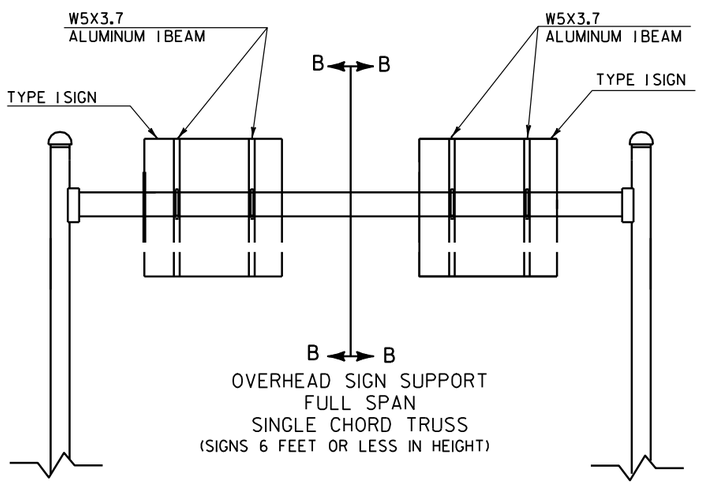
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

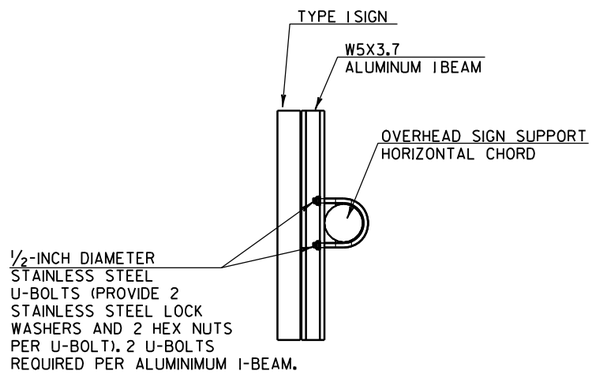
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



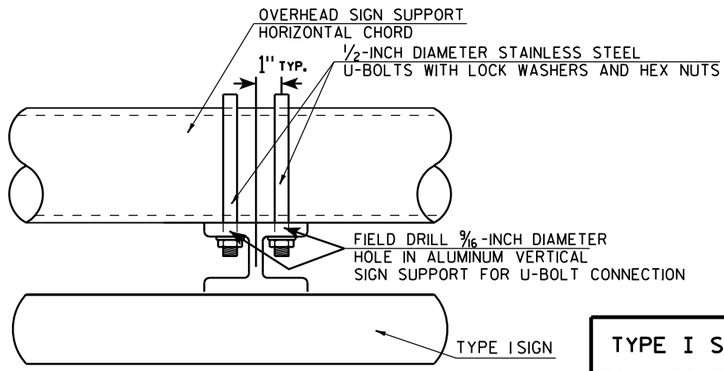
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

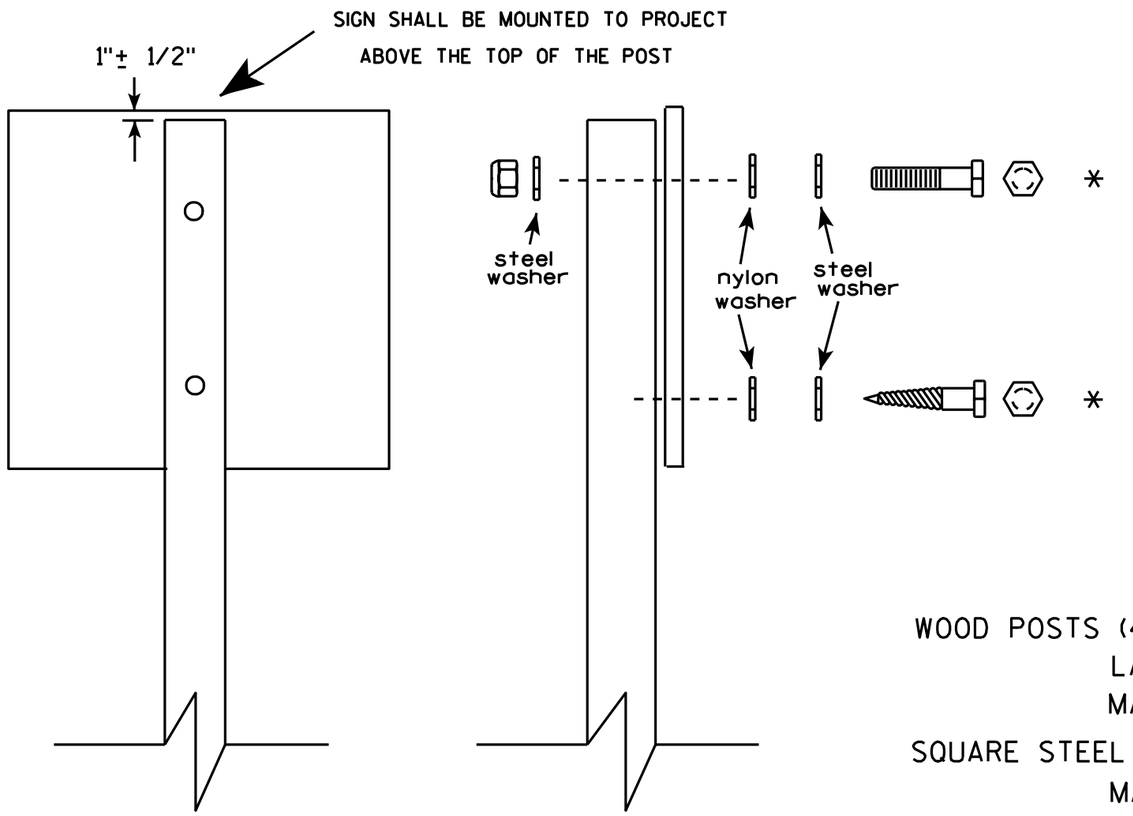
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 185	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

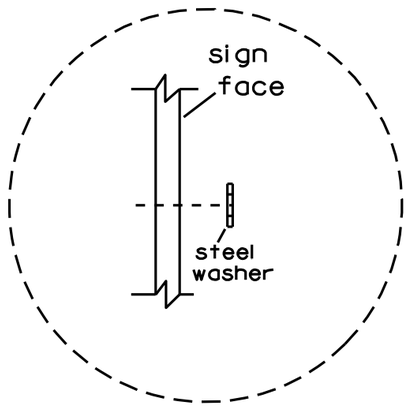
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

7

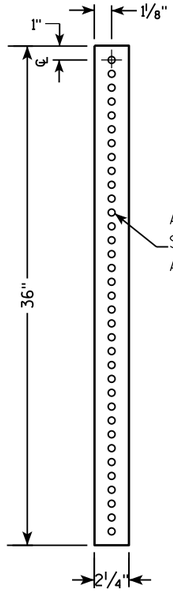
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PROJECT NO:

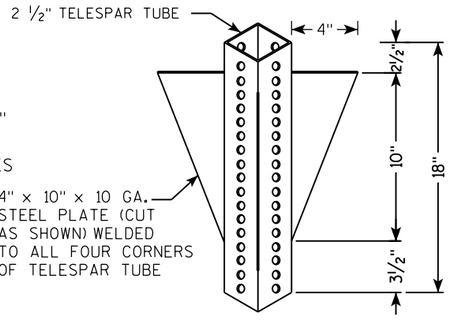
SHEET NO: 186 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

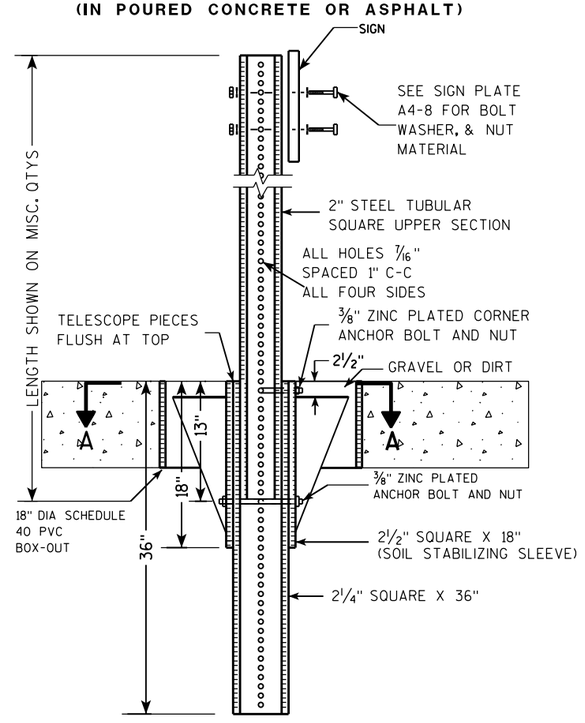
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



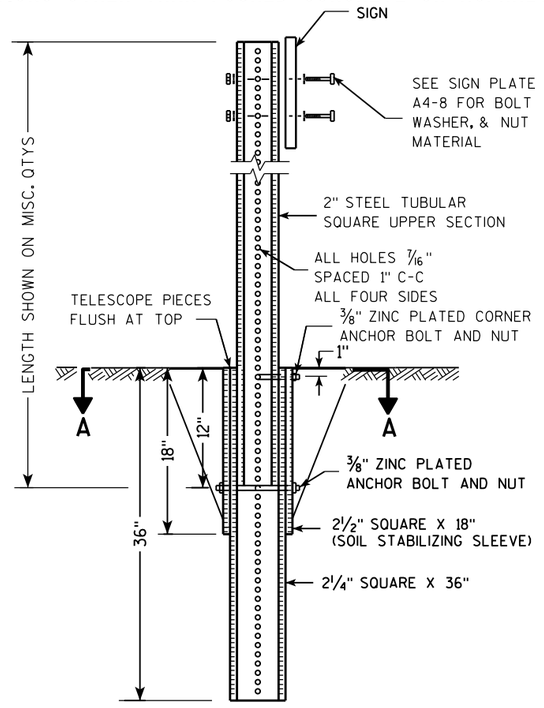
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

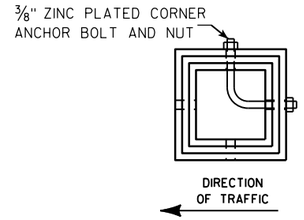


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

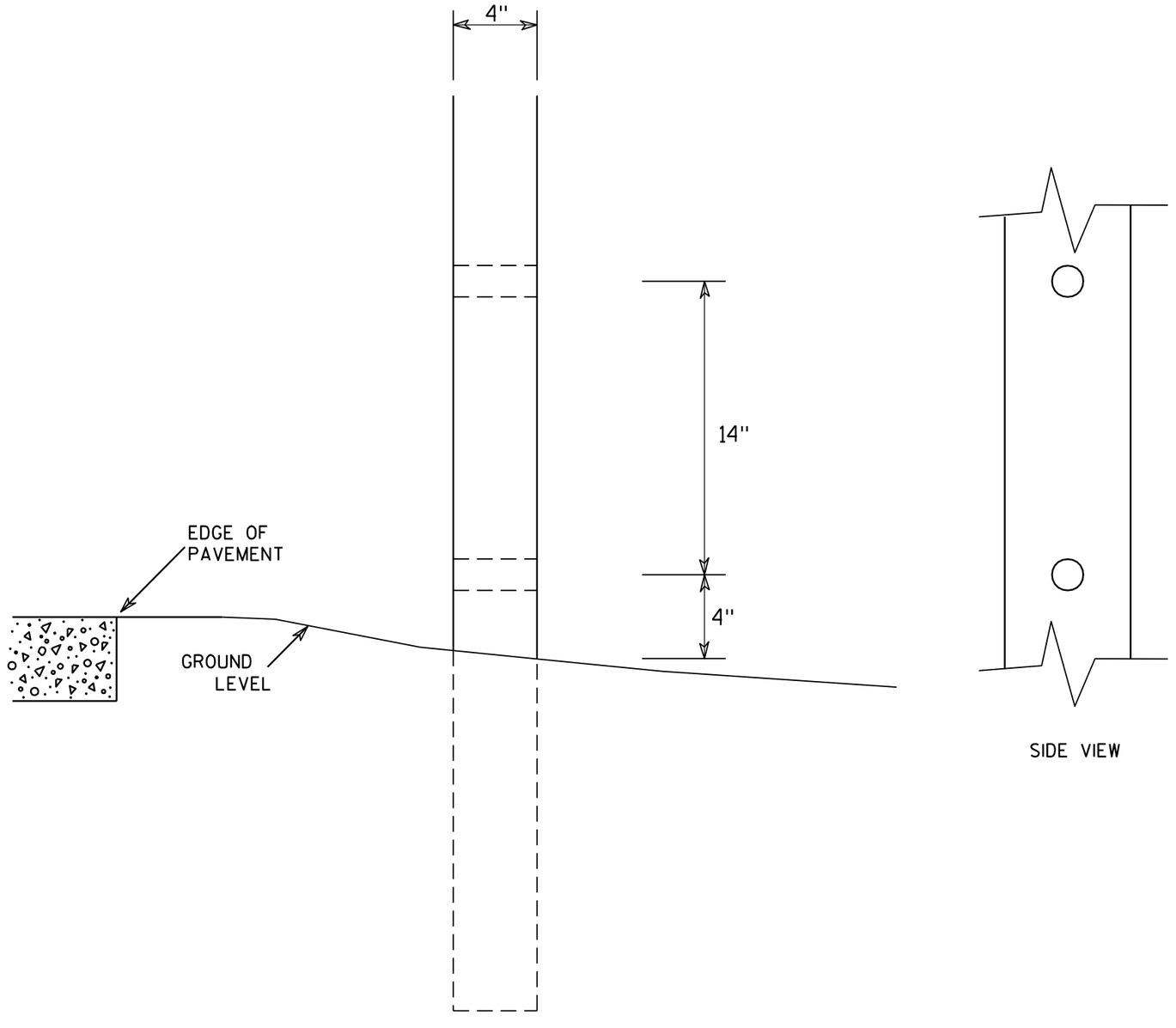
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

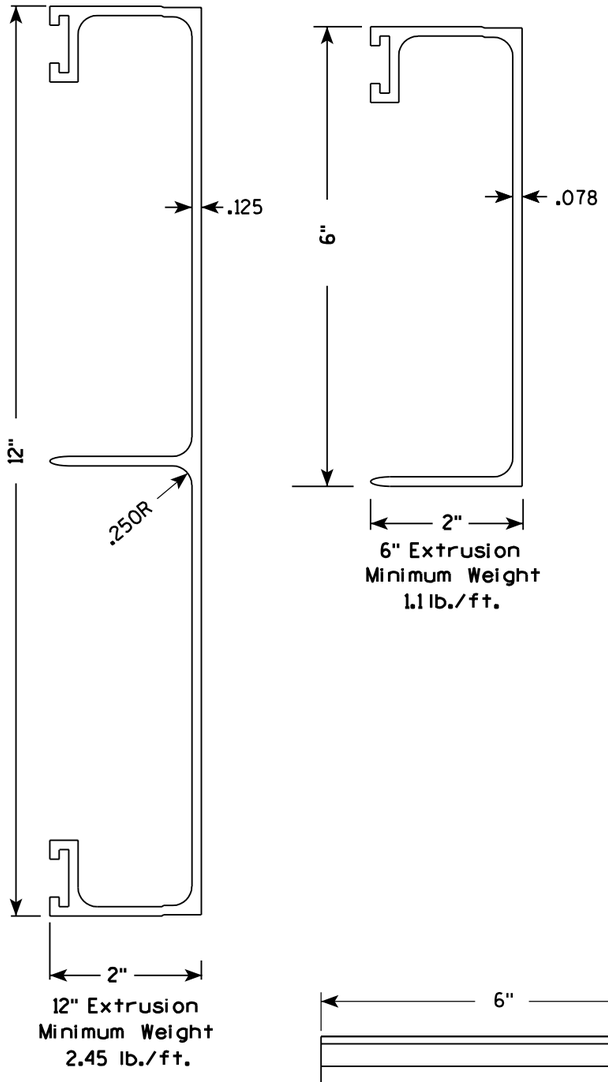
WISCONSIN DEPT OF TRANSPORTATION

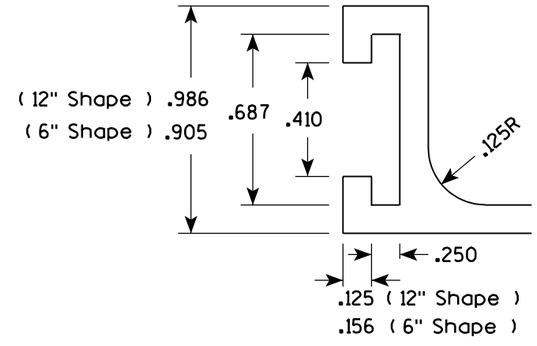
APPROVED Chester J Spang
for State Traffic Engineer

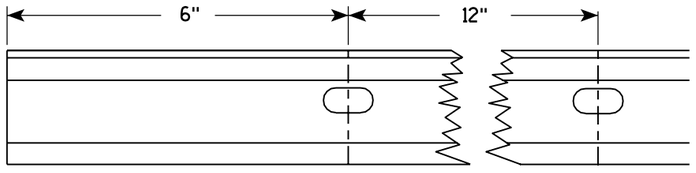
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 188	E

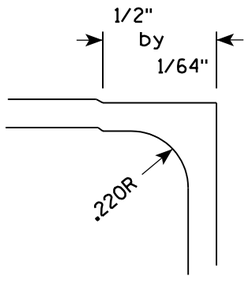
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

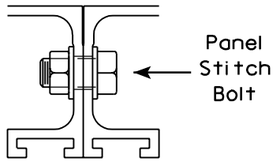


Hardware

STITCH BOLT, WASHER & NUT

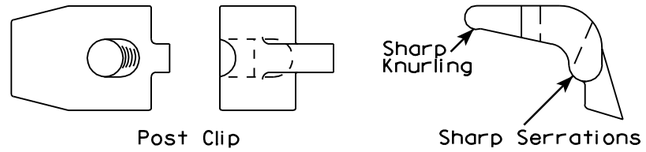
The hardware includes:

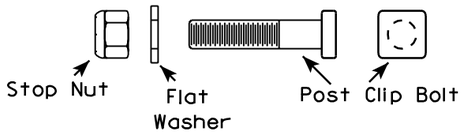
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

DATE 11/18/99 PLATE NO. A5-2.9

7

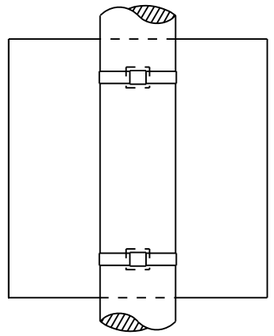
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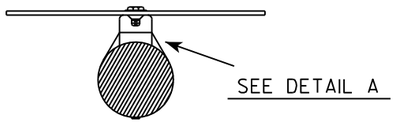
PROJECT NO:

SHEET NO: 189 E

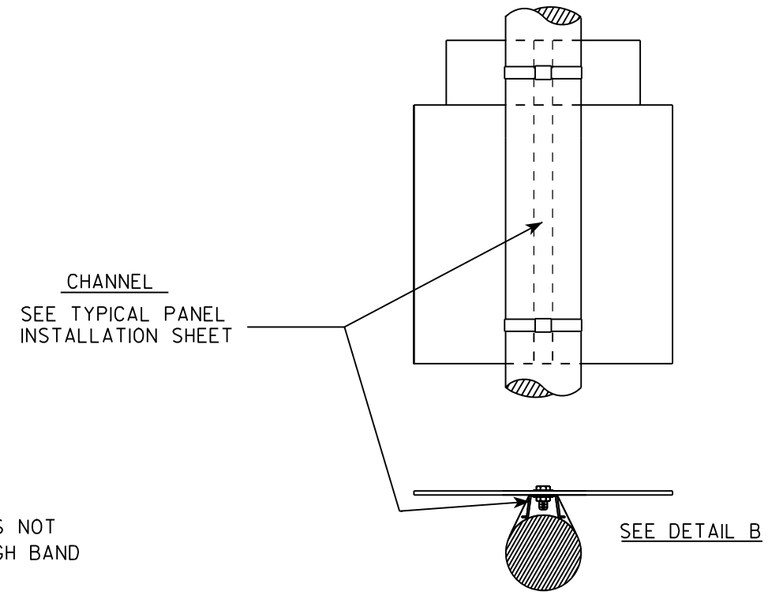
BANDING

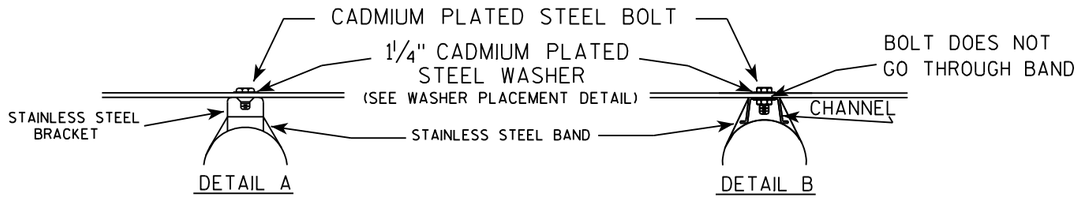
SINGLE SIGN



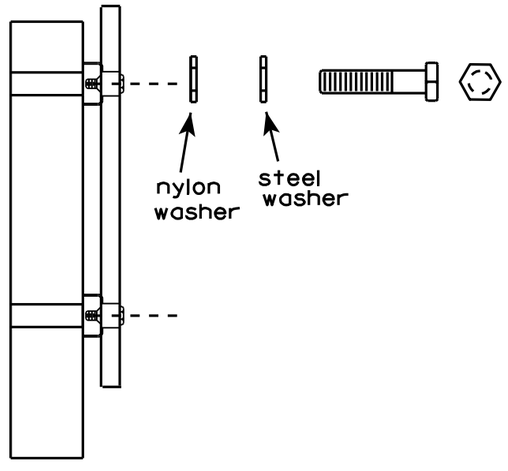


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

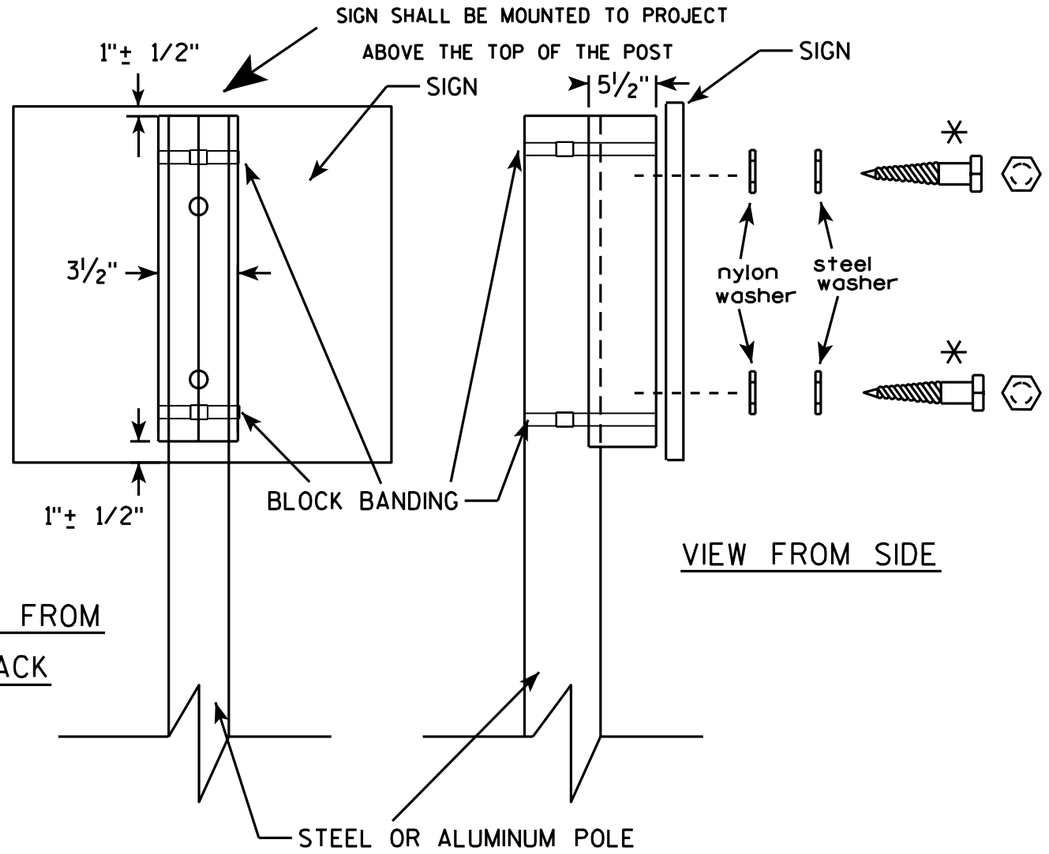
STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

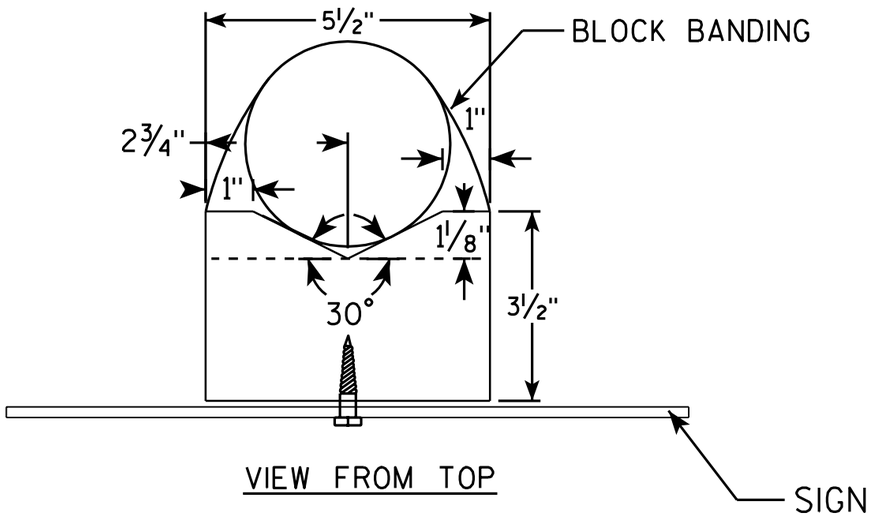
DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 190	E



VIEW FROM SIDE

VIEW FROM BACK



VIEW FROM TOP

GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

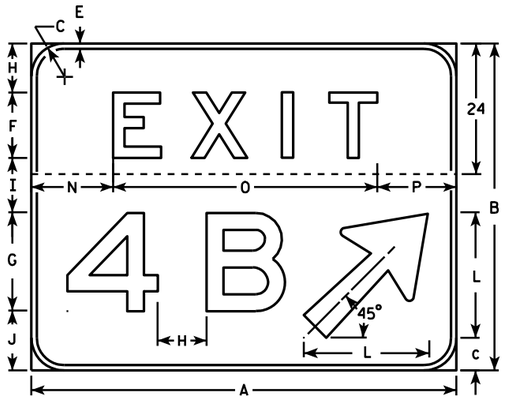
WISCONSIN DEPT OF TRANSPORTATION

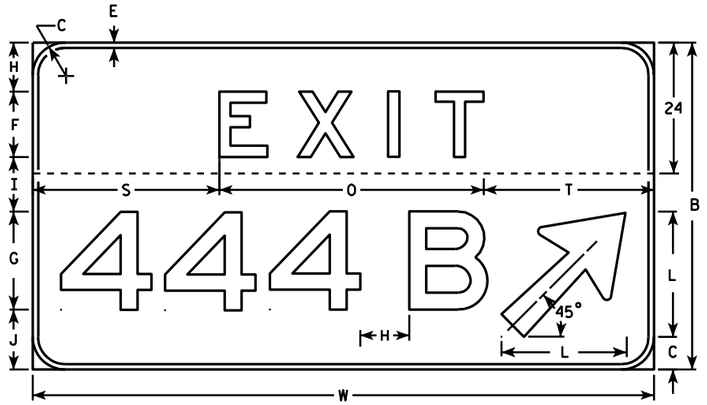
APPROVED Matthew R Rauch
for State Traffic Engineer

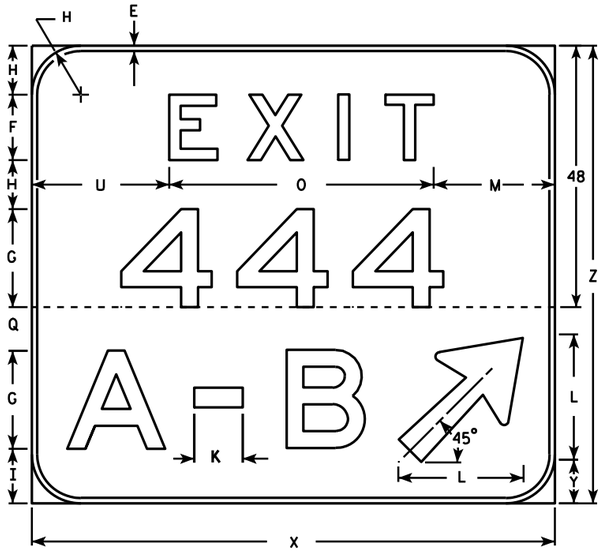
DATE 7/12/07 PLATE NO. A5-10.1

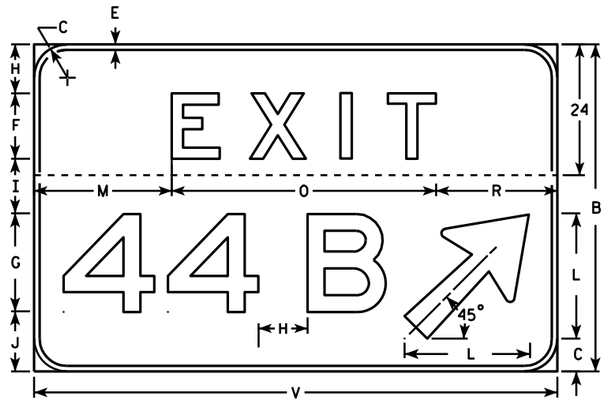
PROJECT NO:

SHEET NO: 191 E

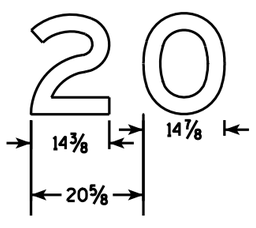








EXAMPLE FOR USING SPACING CHART



NOTES

1. Sign is Type II - Type H reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White (Type H reflective)
3. Message Series - E
4. Corners may be square or rounded but the border shall be rounded as shown.
5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (----------).
6. Arrow is Type "A" from sign plate A1-1.
7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
8. When two letters are hyphenated, the distance between them should be equal to two letter heights and the hyphen is spaced optically between them.
9. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	B	C
0	14 7/8	21 5/8	21 5/8	21 1/4	20 3/8	21 1/4	21 1/4	21 5/8	19 7/8	22 1/8	21 5/8	19 7/8	22 1/8	22 1/8
1	5 7/8	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14	9 7/8	14	14
2	14 3/8	20 5/8	21 1/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8	18 7/8	21 1/8	20 5/8	20 1/4	21 1/8	21 1/8
3	14 3/8	20 3/4	21 1/8	20 3/4	20 1/4	19 3/4	20 3/4	20 3/4	19 3/8	21 1/8	20 3/4	20 1/4	21 1/8	21 1/8
4	16 5/8	22 7/8	22	22 1/2	21 5/8	21 5/8	22 7/8	22 7/8	20 5/8	23 3/8	22 7/8	22 1/2	25 1/2	23 3/8
5	14 1/4	20 5/8	20 5/8	20 1/8	18 3/4	18 3/4	20 5/8	20 5/8	18 3/8	20 5/8	20 5/8	19 1/4	20 5/8	20 5/8
6	14 1/2	21 1/4	20 3/4	20 3/4	19 7/8	19 1/2	20 3/8	20 3/4	19	20 3/4	20 3/8	18	20 3/4	20 3/4
7	14 3/8	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	20 1/4	20 5/8	20 5/8
8	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/4	21 1/2	21 1/2
9	14 1/2	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18	21 3/4	21 3/4
A	18	19 3/4	19 3/4	20 1/4	19 3/4	17	19 3/4	20 5/8	18 7/8	20 5/8	19 3/4	21 5/8	23 7/8	23
B	14 1/4	21 1/2	21 1/2	20 5/8	19 1/4	19 3/4	20 5/8	21 1/2	19 5/8	21 1/2	20 5/8	19 1/2	22 3/8	21 1/2
C	14 1/4	21 1/4	21 1/4	20 7/8	20	20 7/8	20 7/8	21 1/4	19 1/2	21 3/4	21 1/4	18 3/8	21	19 3/4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2																										
3																										
4																										
5	78	60	6		1	12	18	9	10	11	8 7/8	23	25 1/4	15	48 1/2	14 1/2	8	22 1/4	34 1/4	31 1/4	25 1/4	96	114	96	7 1/2	84

2 Digit Bid Area	3 Digit Bid Area	4 Digit Bid Area	5 Digit Bid Area
Sq. Ft.			
32.5	40.0	47.5	56.0

STANDARD SIGN
E5-1B

WISCONSIN DEPT OF TRANSPORTATION

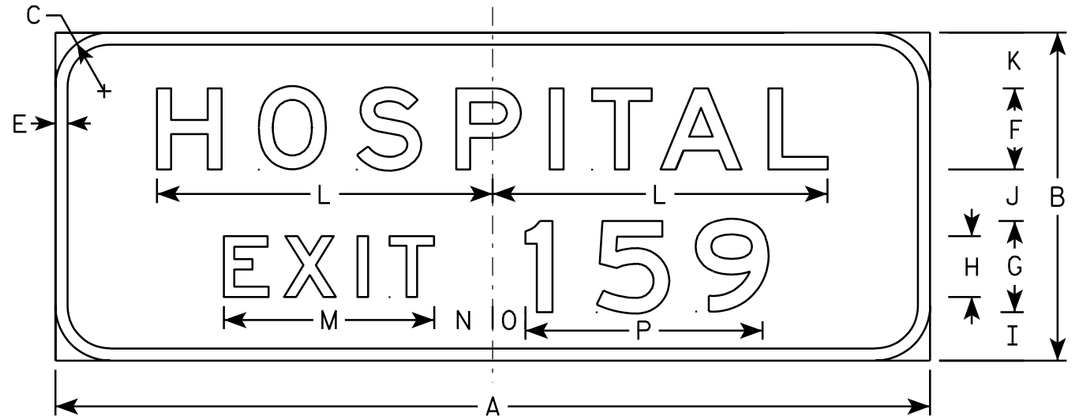
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/8/10 PLATE NO. E5-1B.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 192 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\E51B.DGN PLOT DATE : 08-JUN-2010 12:42 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 27.808870:1.000000
WISDOT/CADDS SHEET 42



E10-61

NOTES

1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, other than extrusions, the corners and borders shall be rounded.
5. Apply proper Exit Numbers and letters, optically adjust spacing to achieve proper balance.

7

Metric equivalent for this sign is:

SIZE	
1	
2	3600 mm X 1350 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	144	54	9		2	13 3/8	15	10	8	8 1/2	9 1/4	55 1/4	34 5/8	9 5/8	5 3/8	39											54	4.86
3																												
4																												
5																												

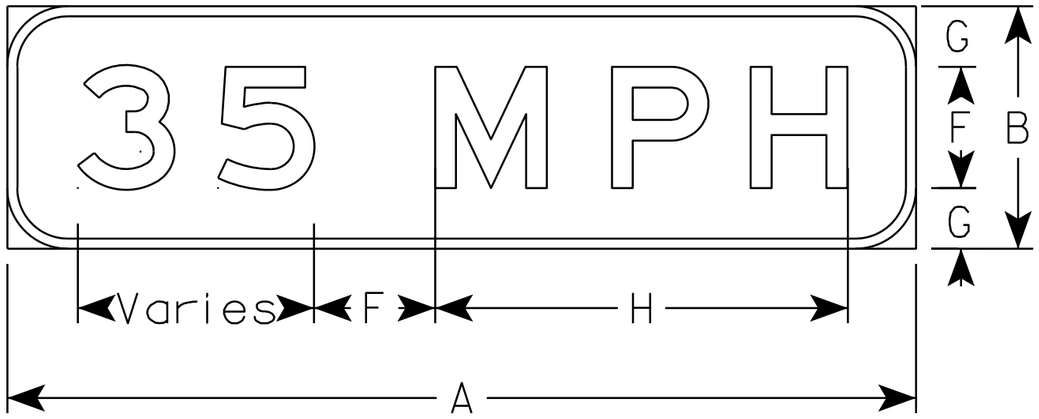
TYPICAL SIGNS
E10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/8/08 PLATE NO. E10-61.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 193	E



E13-1P

NOTES

1. Panel is - Type F reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E
4. The panel shown on this plate is for use with E5-1A.
5. Width, Radius and Border thickness shall match the E5-1A.
6. Substitute appropriate numerals and adjust placement to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	VARIES	24				12	6	40 7/8																			VARIES
2M																											
3																											
4																											
5																											

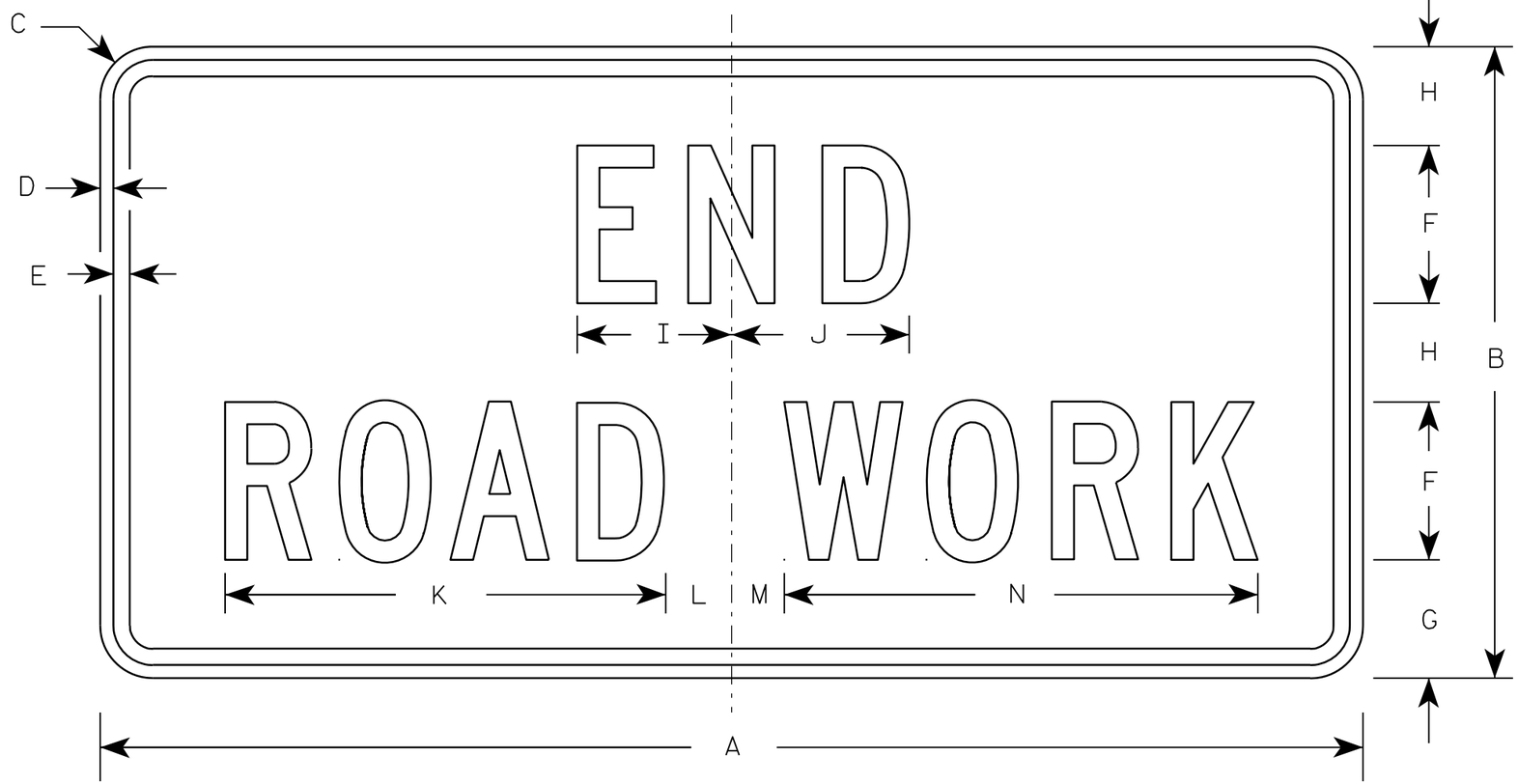
STANDARD SIGN
E13-1P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2012 PLATE NO. E13-1P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 194 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

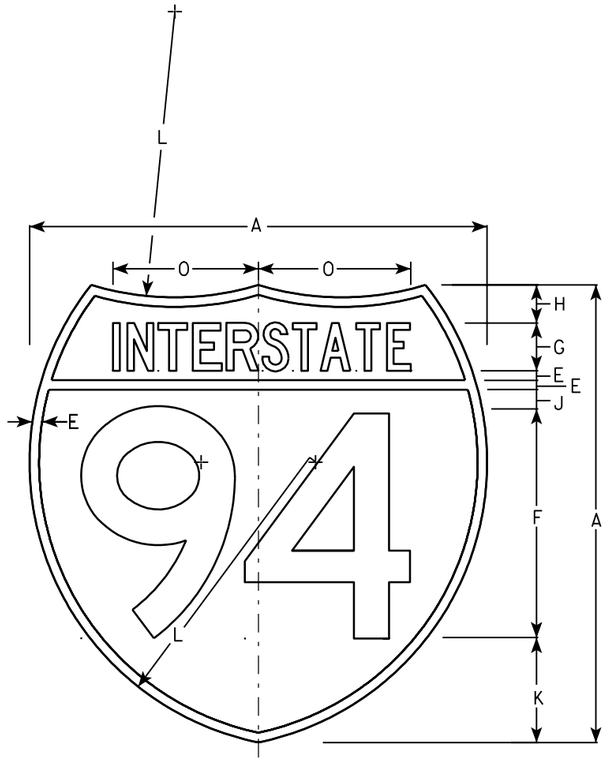
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

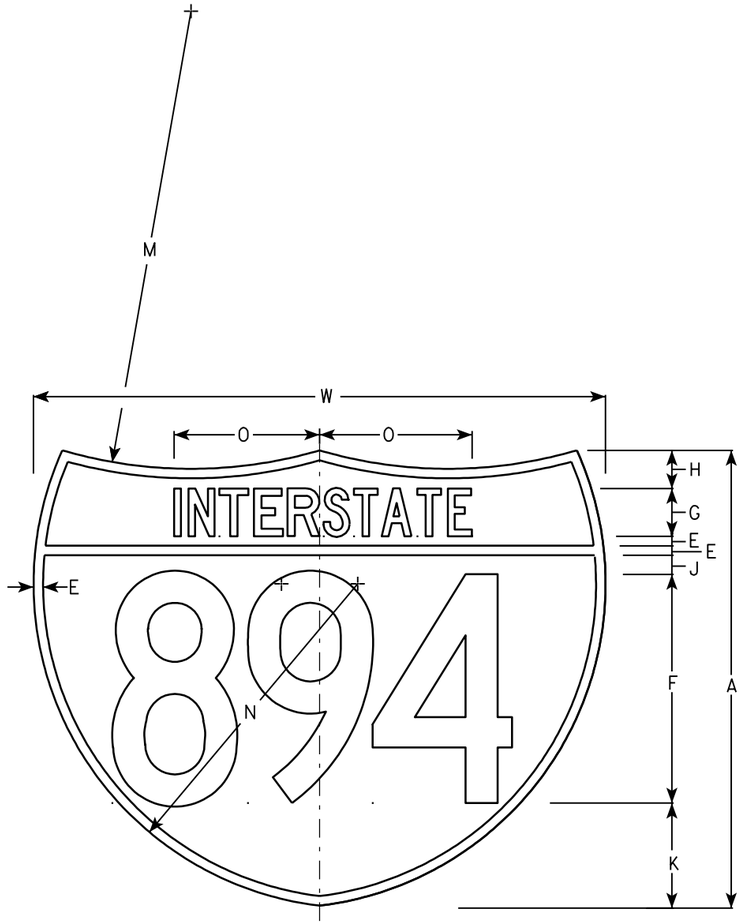
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 195	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

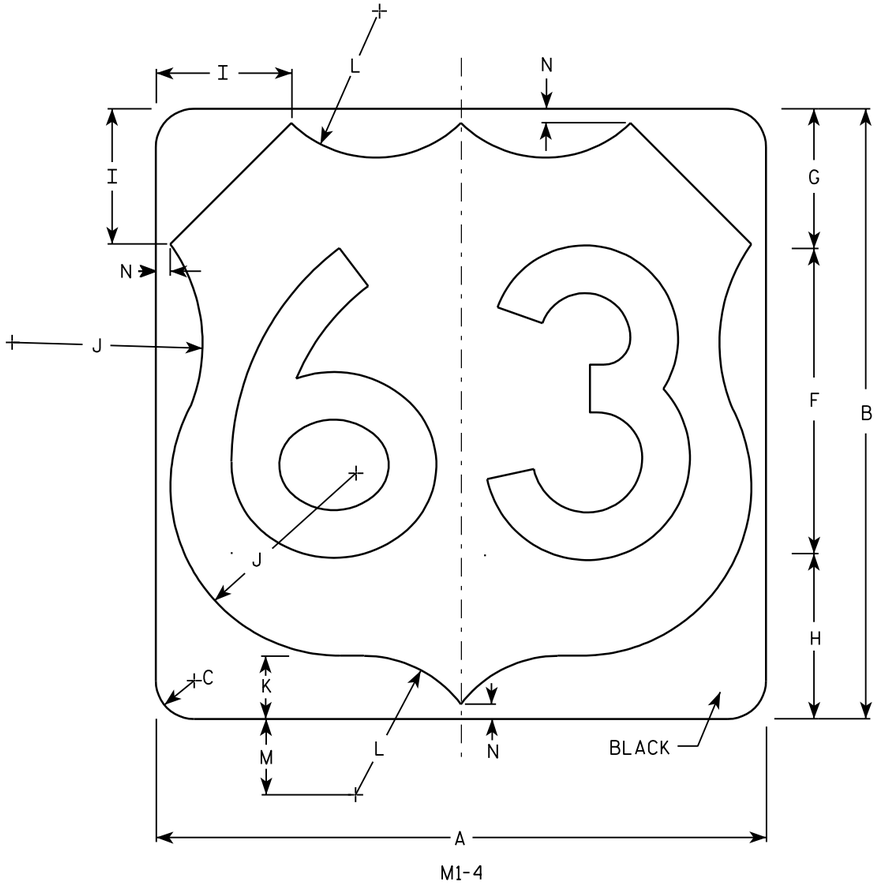
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

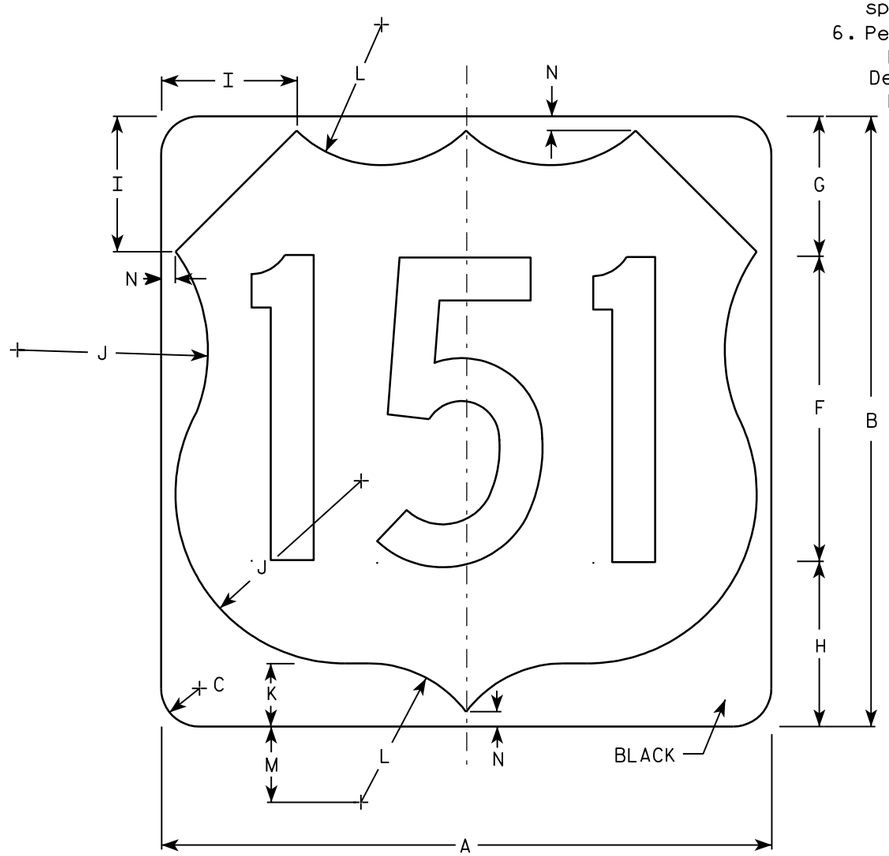
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 196	E

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust spacing as per Plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or other temporary signs
   Background - Reflective



M1-4



M1-4

7

7

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	24	1 ½			12	5 ½	6 ½	5	7 ½	2 ½	5 ½	3	½													4.0	.36
3	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81
4	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81
5	36	36	2 ¼			18	8 ¼	9 ¼	7 ¼	11 ¼	3 ¾	8 ¼	4 ½	¾													9.0	.81

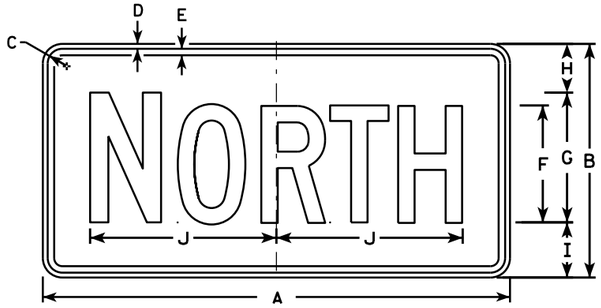
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

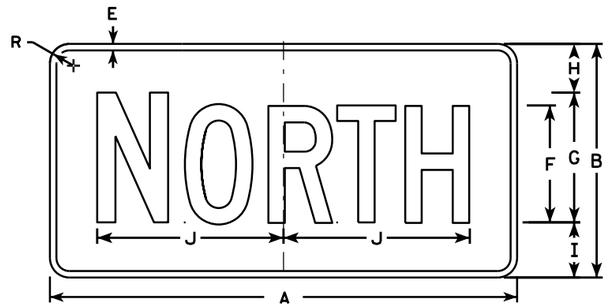
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/25/05 PLATE NO. M1-4.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 197	E



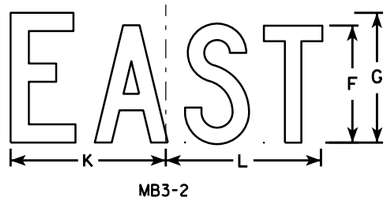
M3-1
MK3-1
MM3-1
MN3-1



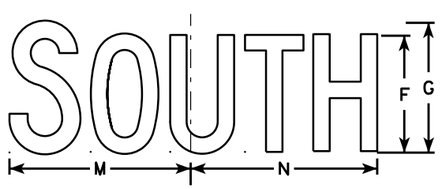
MB3-1



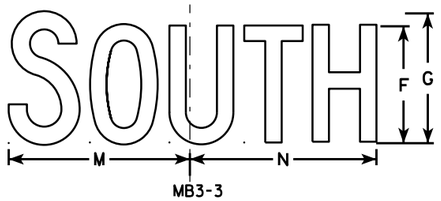
M3-2
MK3-2
MM3-2
MN3-2



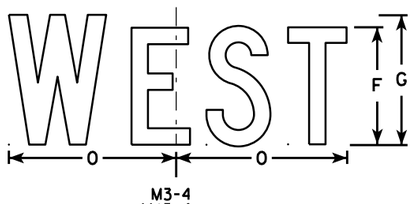
MB3-2



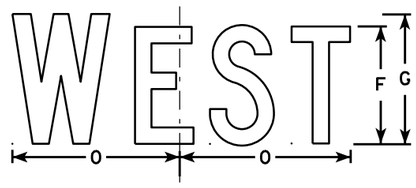
M3-3
MK3-3
MM3-3
MN3-3



MB3-3



M3-4
MK3-4
MM3-4
MN3-4



MB3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

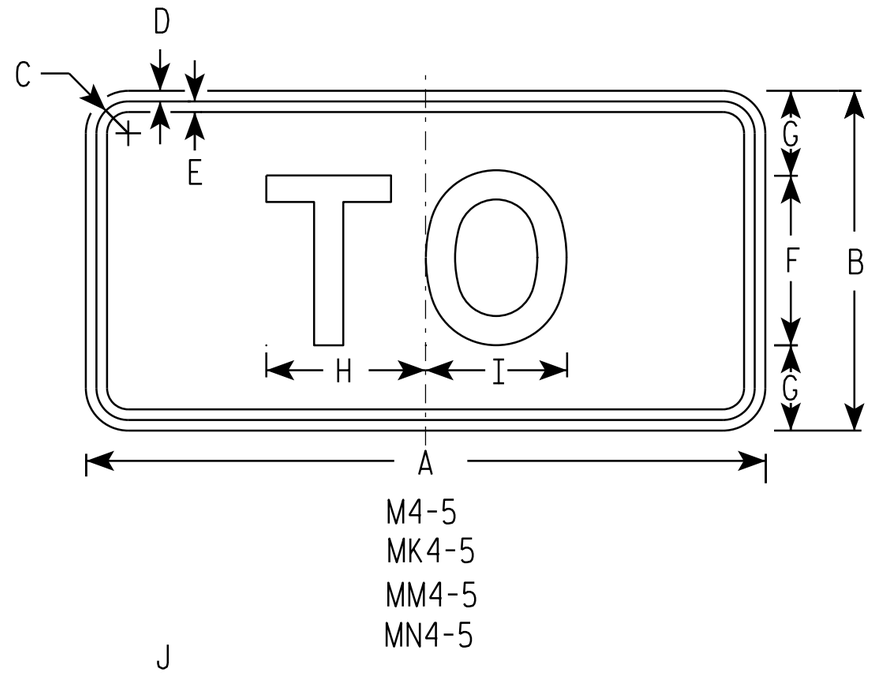
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

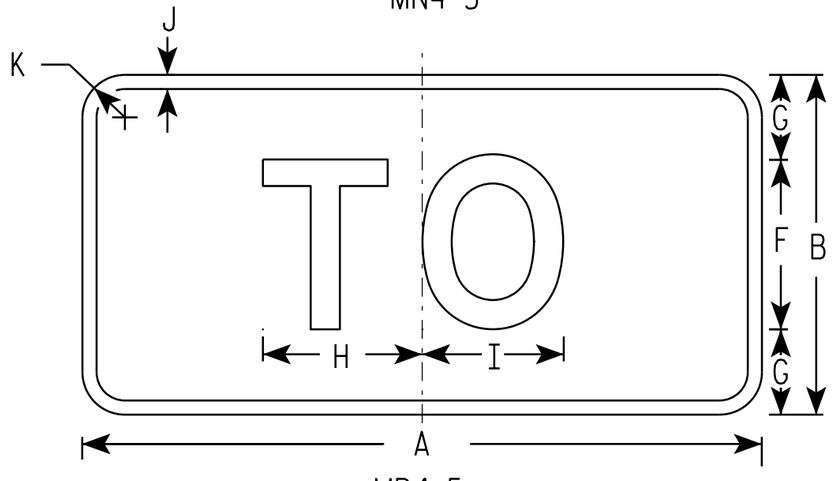
DATE 6/30/14 PLATE NO M3-1.13

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

7



M4-5
MK4-5
MM4-5
MN4-5



MB4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

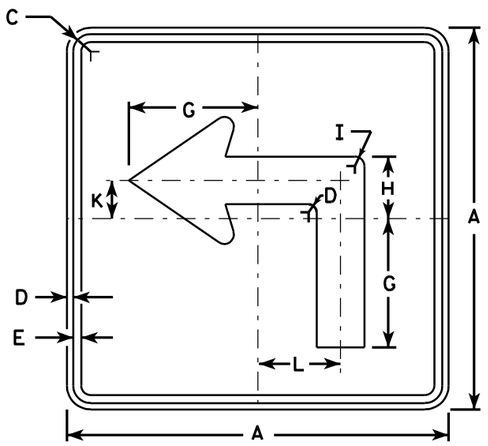
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

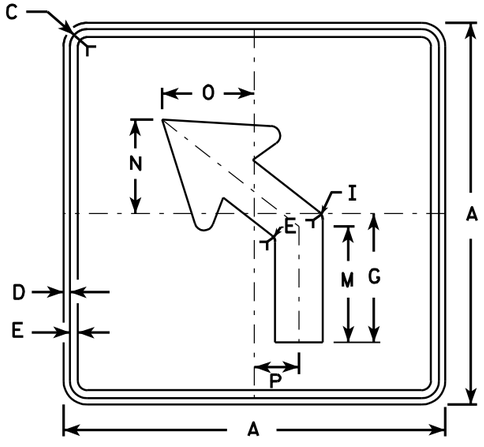
DATE 6/30/14 PLATE M4-5.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

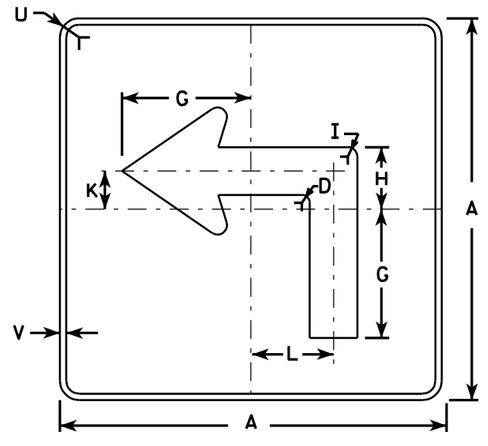
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 30-JUN-2014 12:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.351066:1.000000
WISDOT/CADDS SHEET 42



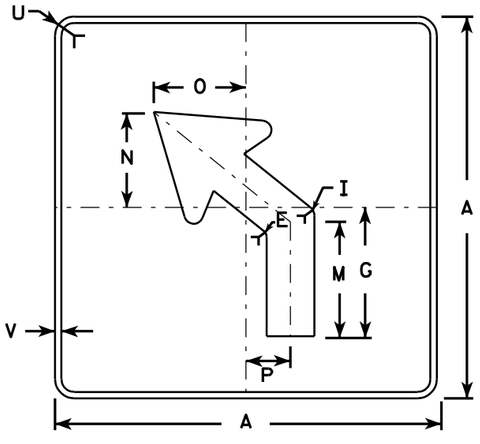
M5-1L
MK5-1L
MM5-1L
MO5-1L
MP5-1L
MR5-1L



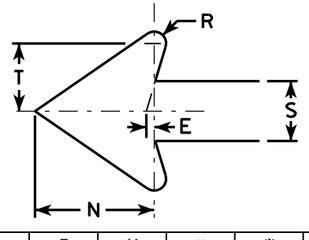
M5-2L
MK5-2L
MM5-2L
MO5-2L
MP5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White - Type H Reflective
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White - Type H Reflective
   MG5-1 and MG5-2 Background - Green
   Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green
   Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White - Type H Reflective
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

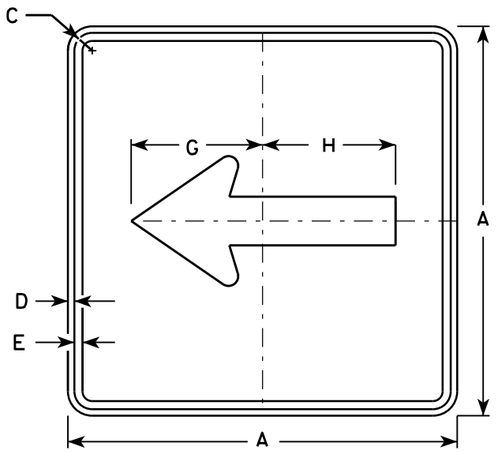
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M5-1.12

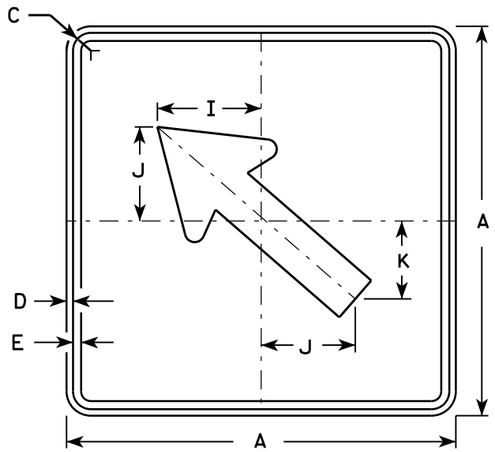
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 29-JUL-2013 13:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.908552:1.000000



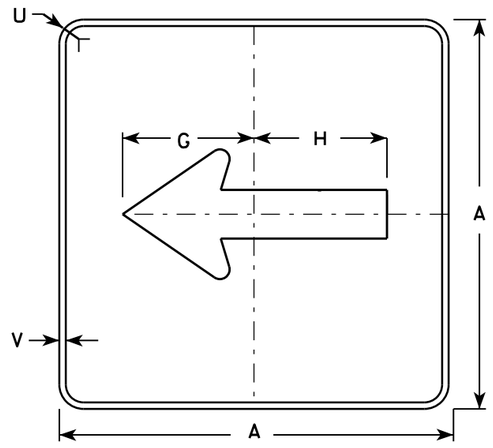
M6-1
MK6-1
MM6-1
MN6-1
MO6-1
MP6-1
MR6-1



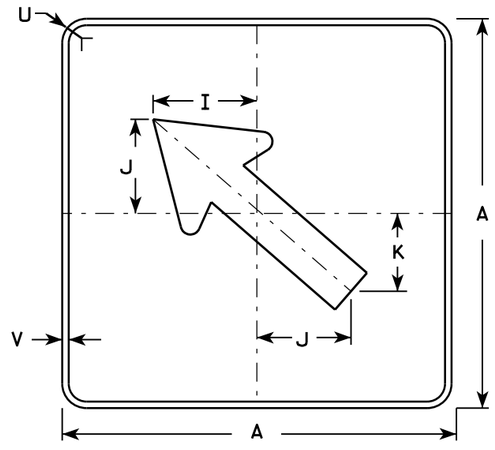
M6-2
MK6-2
MM6-2
MN6-2
MO6-2
MP6-2
MR6-2

NOTES

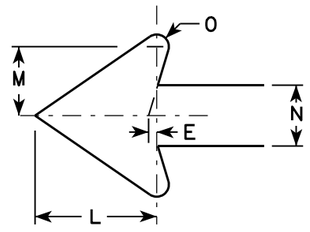
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MG6-1 and MG6-2 Background - Green
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1



MB6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

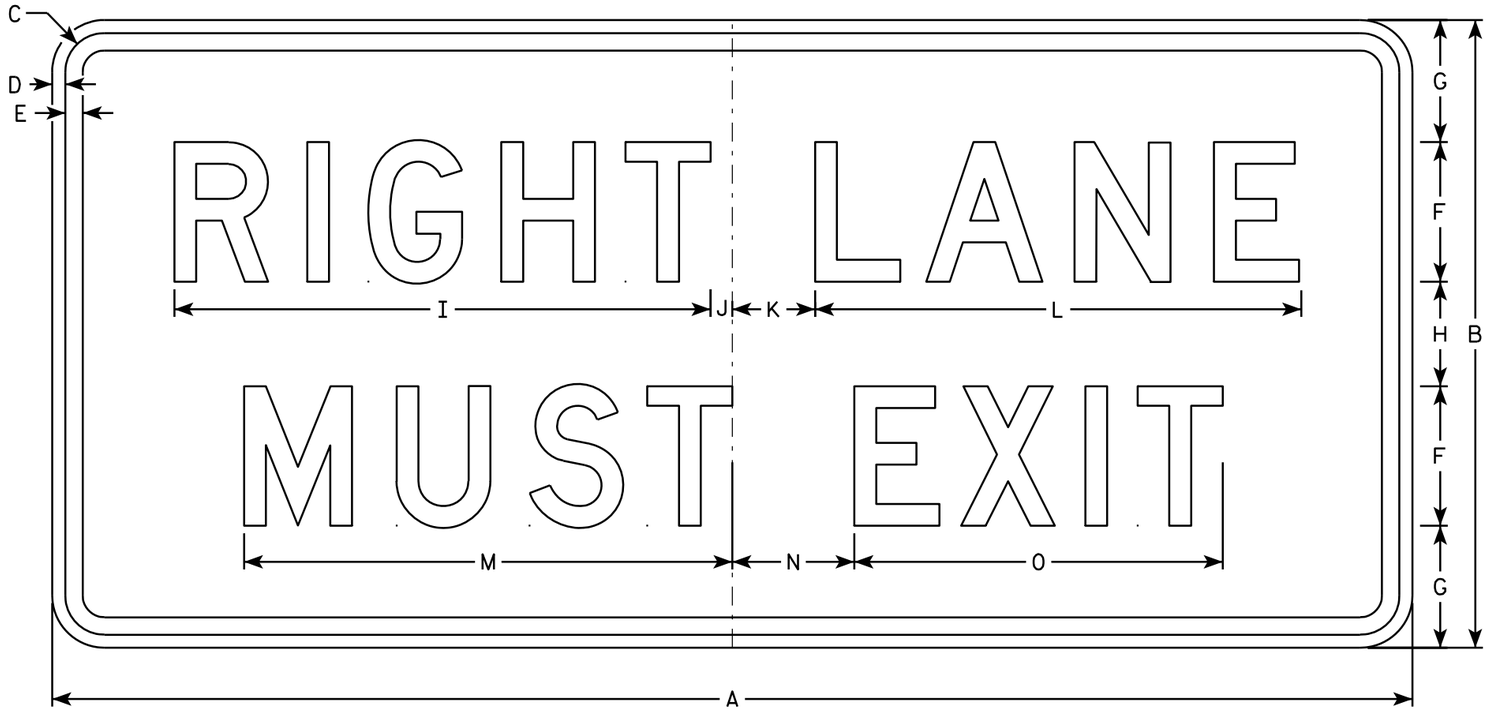
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 7/03/14 PLATE 201 M6-1.14

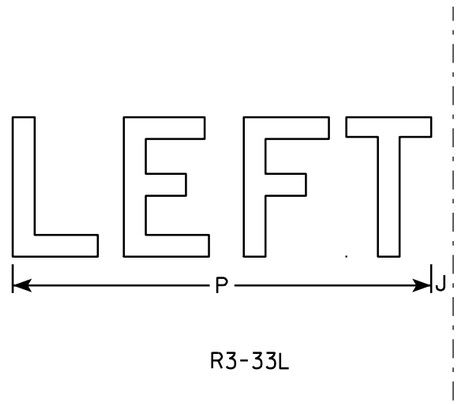
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-33R



R3-33L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5
5	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5

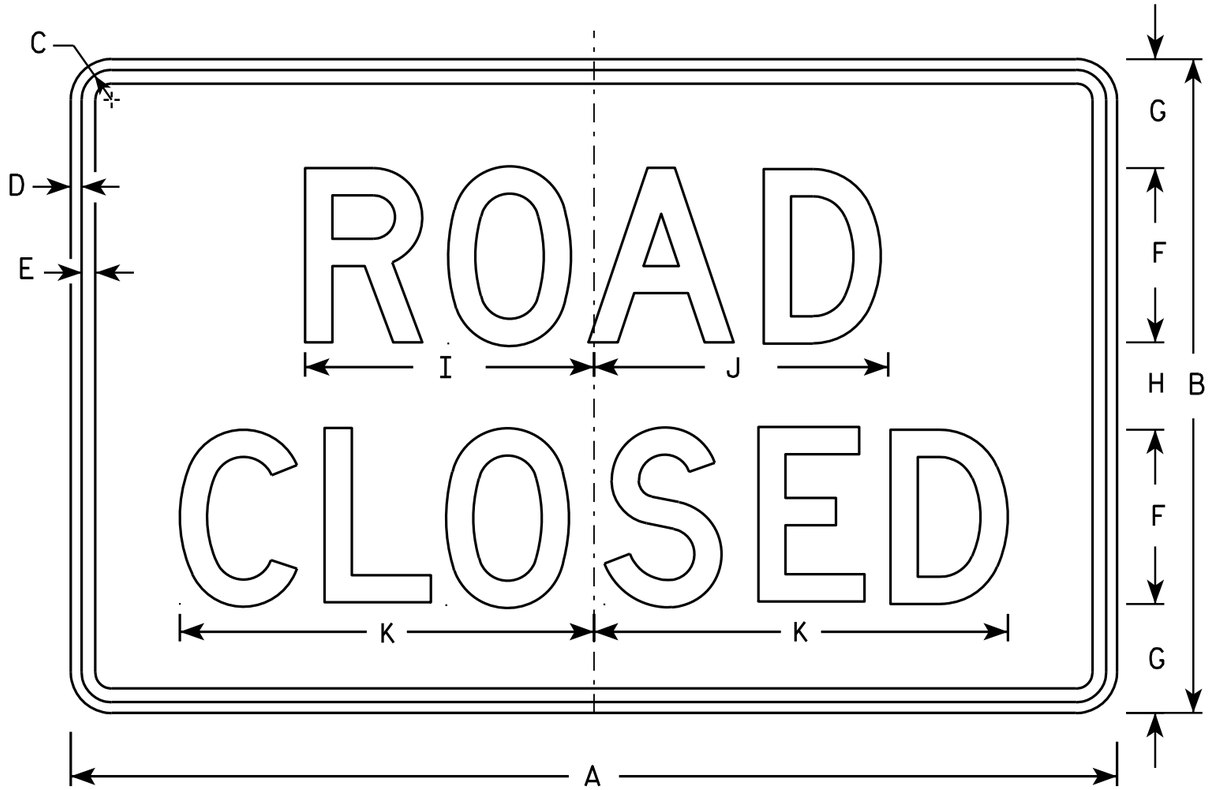
STANDARD SIGN
R3-33

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/7/10 PLATE NO. R3-33.1

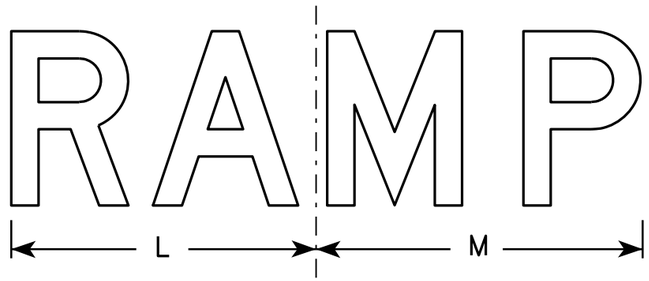
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 202 | E



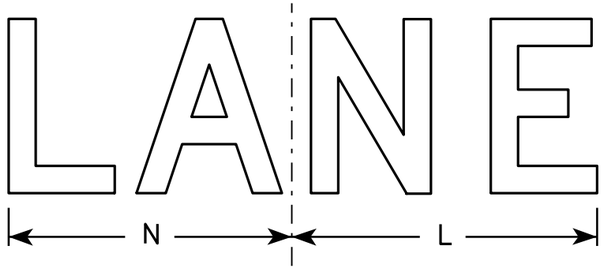
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

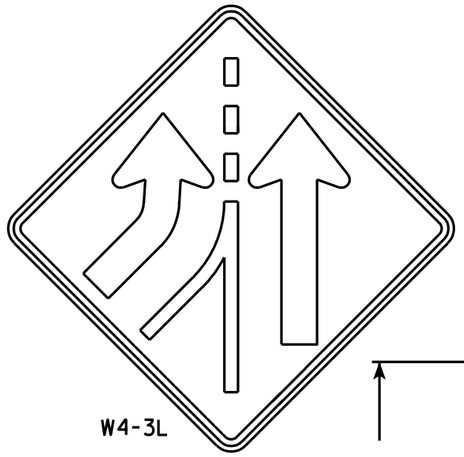
STANDARD SIGN
R11-2

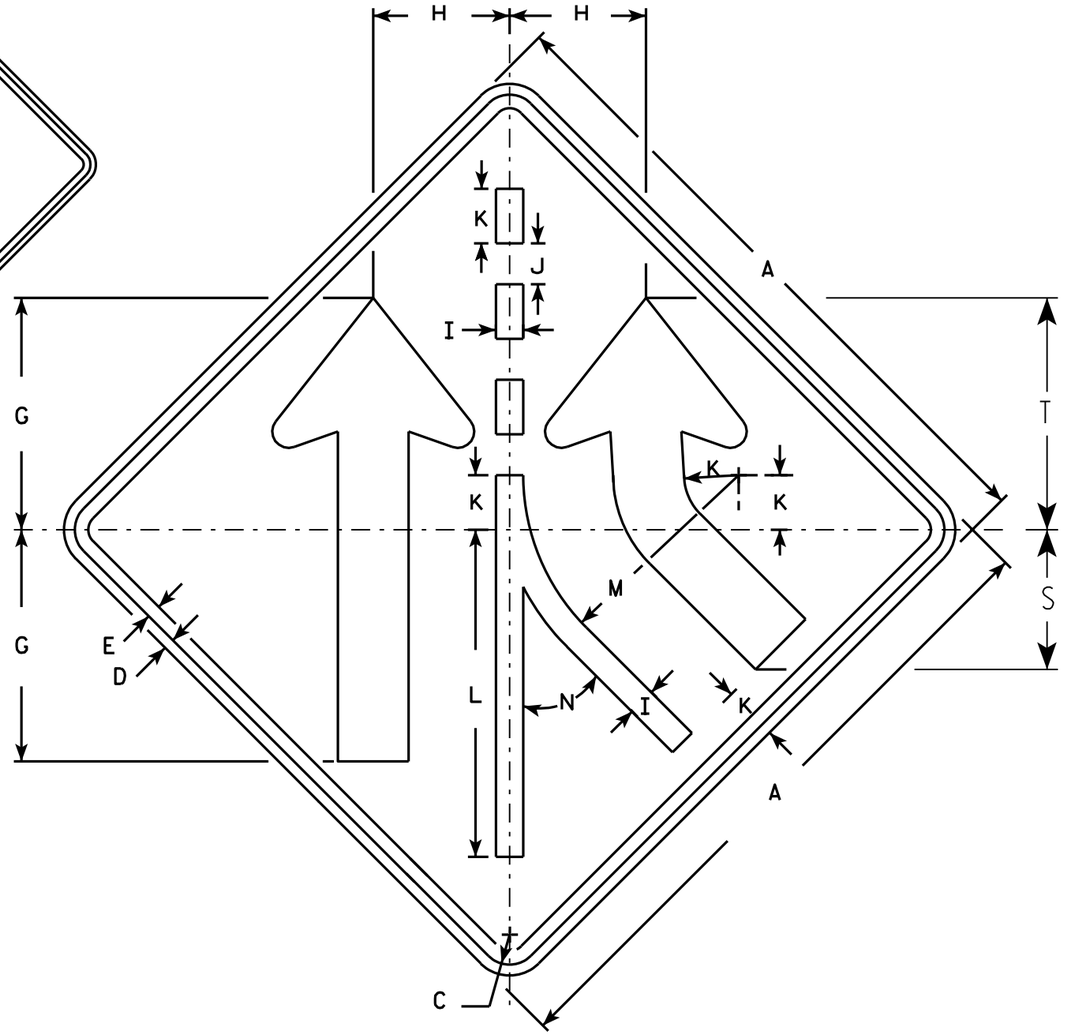
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 203	E

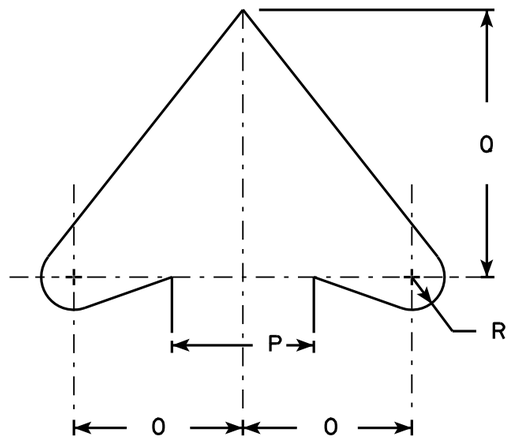




W4-3R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-3 L is the same as W4-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		10 5/8	6 1/4	1 1/4	1 7/8	2 1/2	15	9 7/8	45°	3 7/8	3 1/4	6 1/8	3/4	6 3/8	10 5/8							6.25
2S	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2M	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
3																											
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN
W4-3

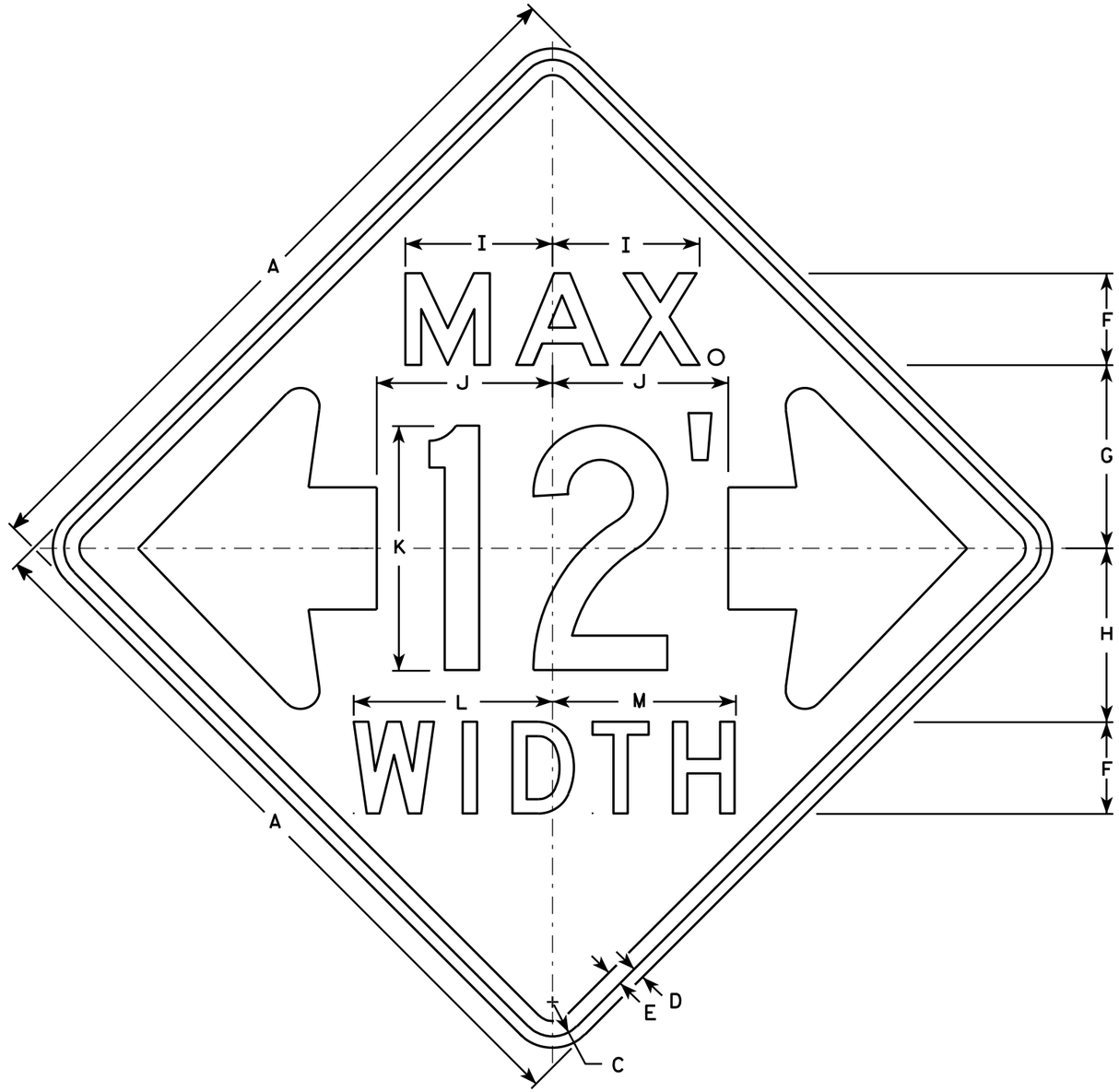
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-3.8

PROJECT NO:

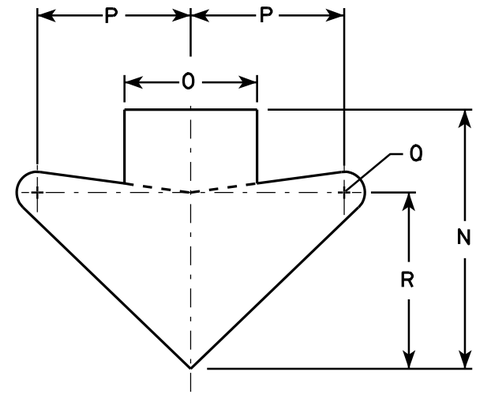
SHEET NO: 204 E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

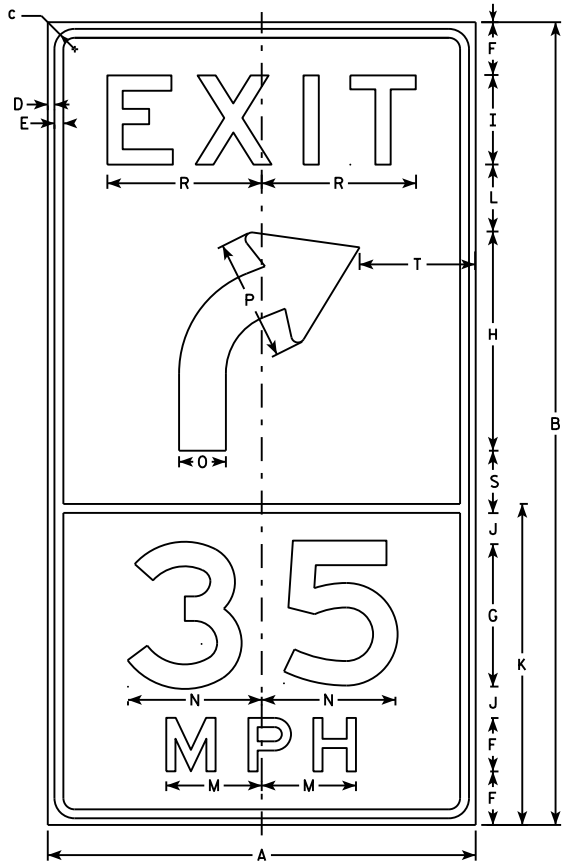
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 205 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



W13-2C

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	90	2 1/4	3/4	1	6	16	24 5/8	10	3 1/2	36	7 1/2	10 3/4	15	5 1/4	13 5/8	12	17 3/8	7	13							30
2M	48	90	2 1/4	3/4	1	6	16	24 5/8	10	3 1/2	36	7 1/2	10 3/4	15	5 1/4	13 5/8	12	17 3/8	7	13							30
3																											
4																											
5																											

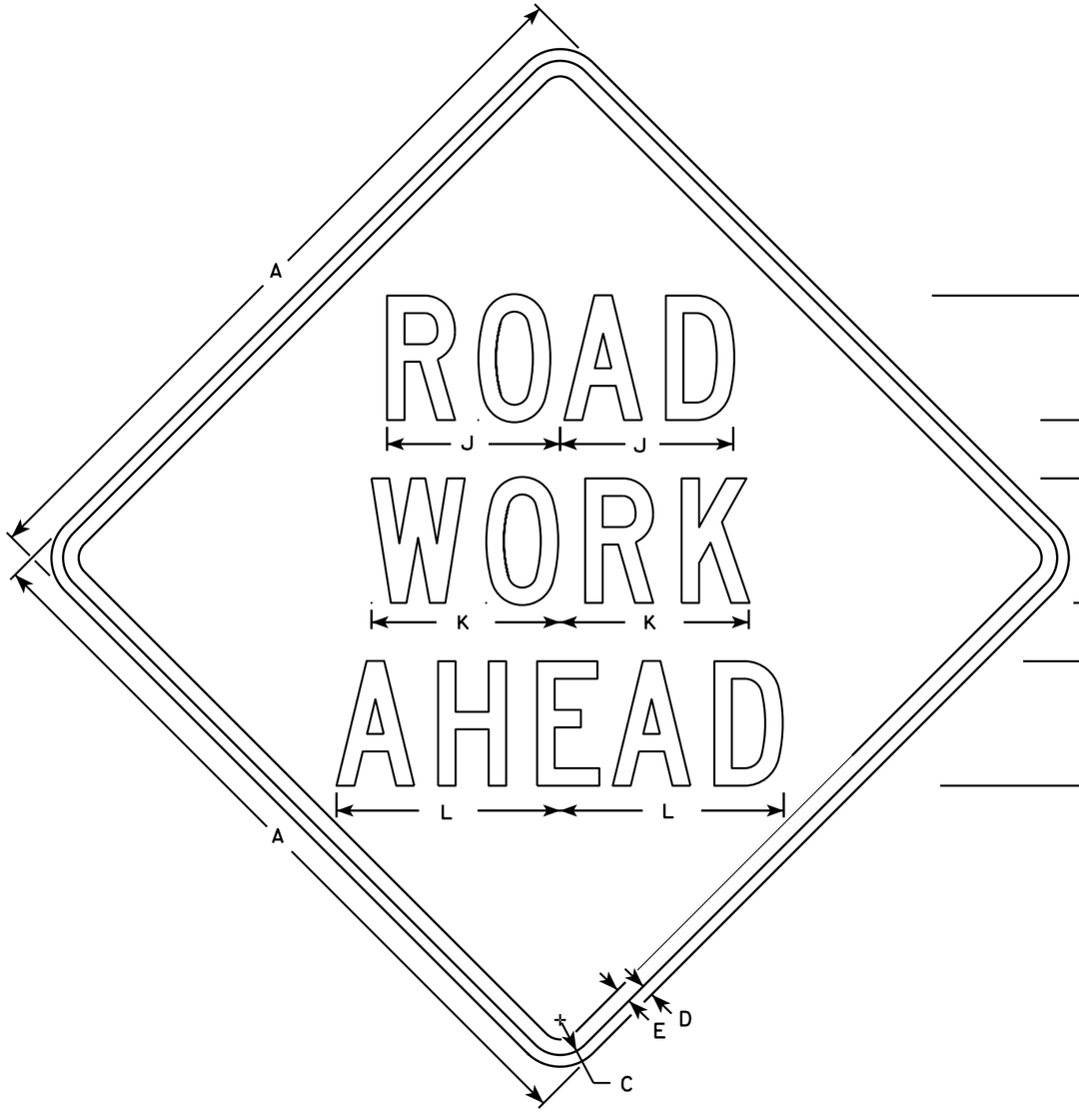
STANDARD SIGN
W13-2C

WISCONSIN DEPT OF TRANSPORTATION

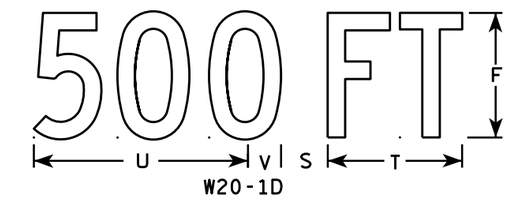
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/12/13 PLATE NO. W13-2C.4

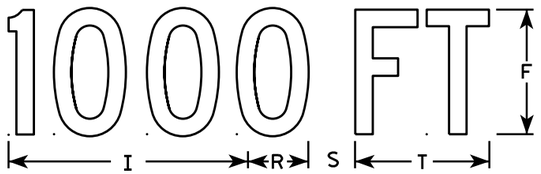
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



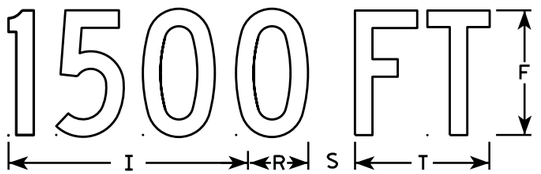
W20-1A



W20-1D



W20-1C



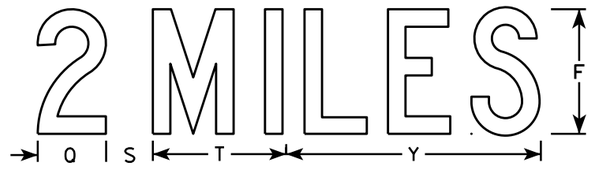
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

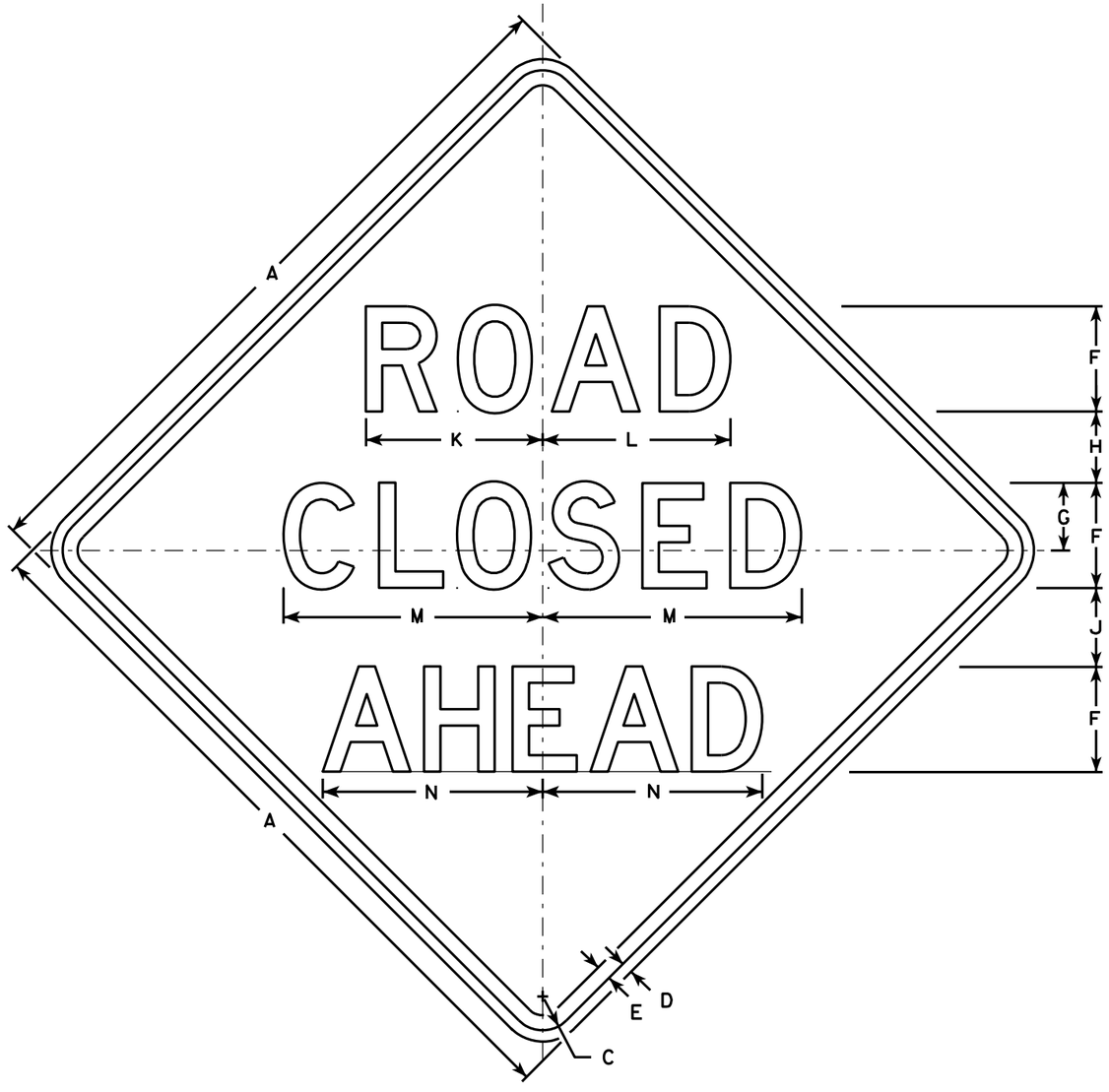
APPROVED

State Traffic Engineer

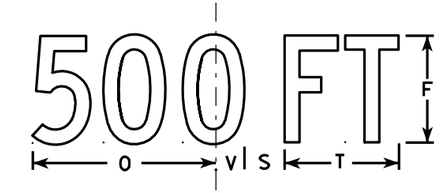
DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

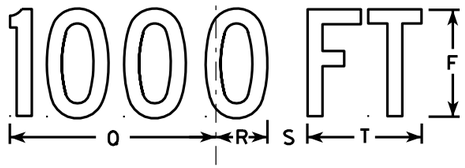
SHEET NO: E



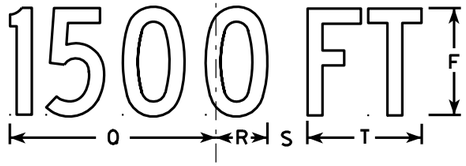
W20-3A



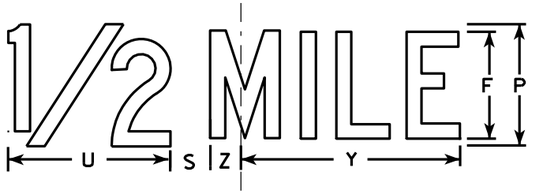
W20-3D



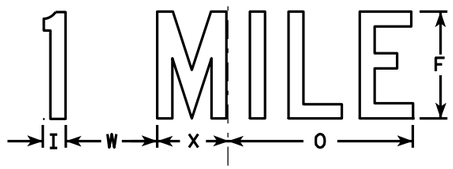
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

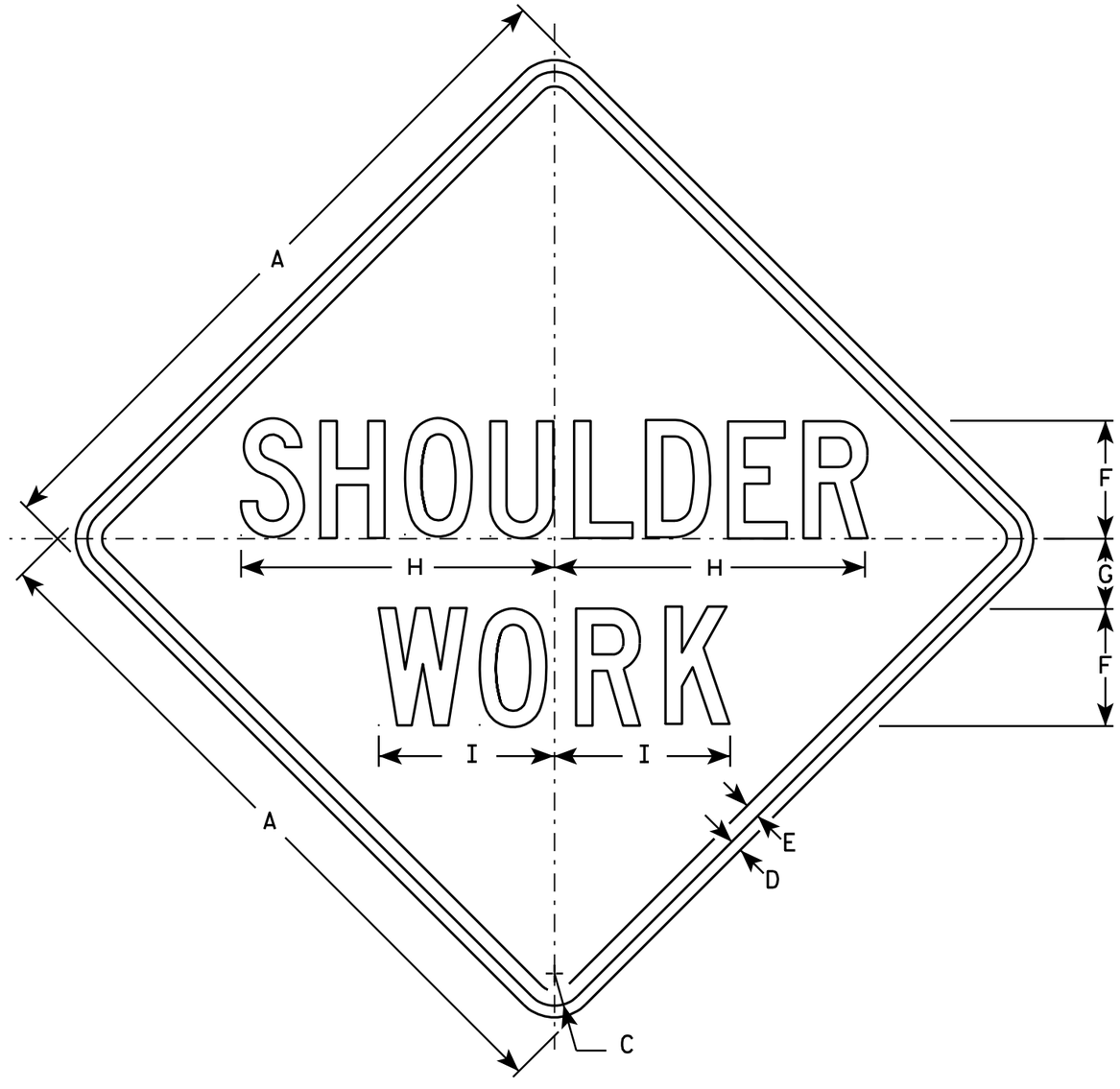
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 208 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

WISDOT/CADDS SHEET 42

7

7



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

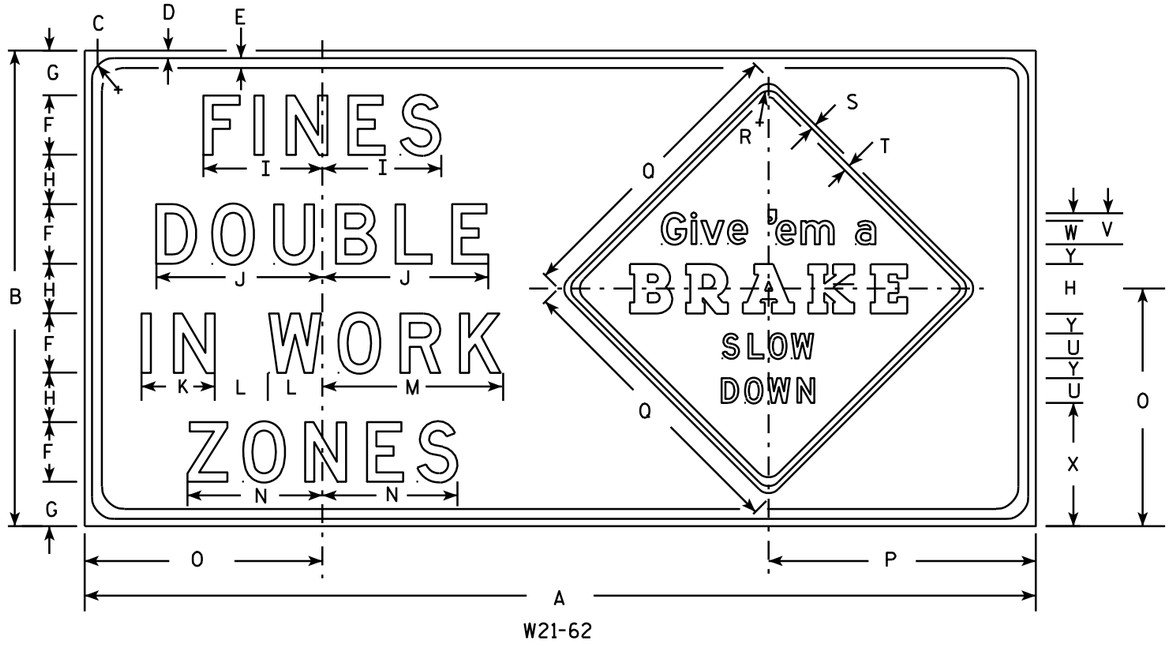
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 | E

7

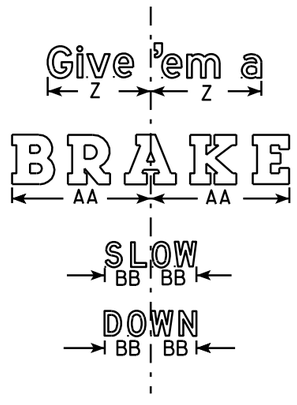
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WISDOT/CADDS SHEET 42

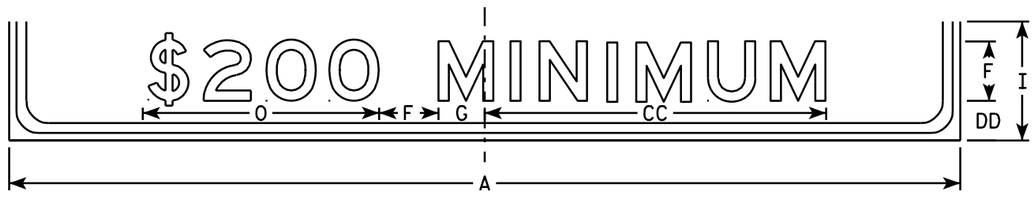


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.
1																															
2S																															
2M																															
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0
4																															
5																															

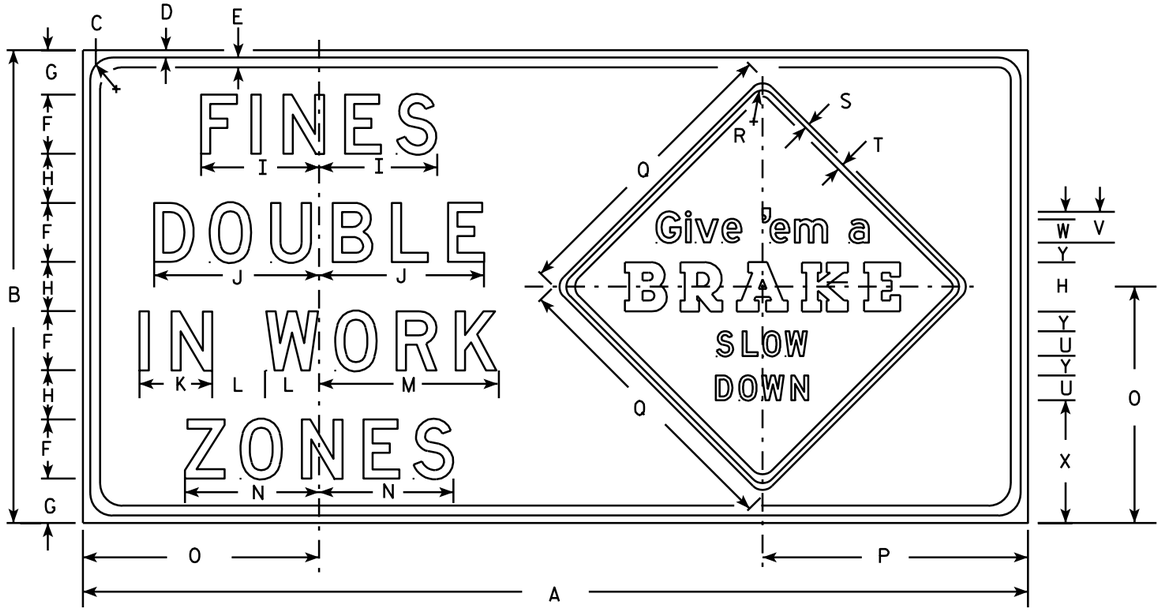
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62.5

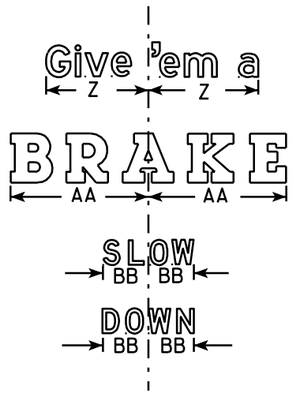
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 210 | E

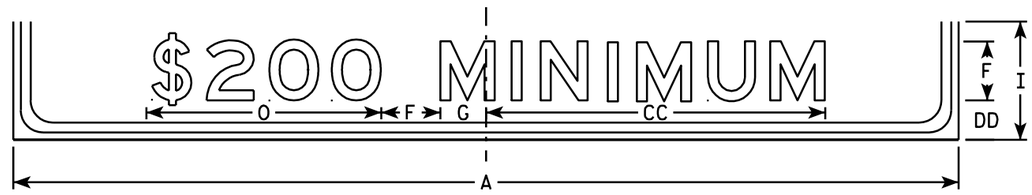


W21-62

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - (See Note 5)
   Message - Black
3. Message Series -
   Fines Double Message - All lines are Series D
   Give 'em a Brake -
   Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.
4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
5. Background for the Give 'em a Brake sign shall be Type F reflective orange.





W21-62P

Metric equivalent for this sign is:

SIZE	
1	
2	
3	2400 mm X 1200 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	Area sq. ft.	Area m2
1																																
2																																
3	96	48	2 1/4	3/4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 1/2	18 1/4	13 5/8	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 3/4	14	4 5/8	34 1/2	4	32.0	2.88
4																																
5																																

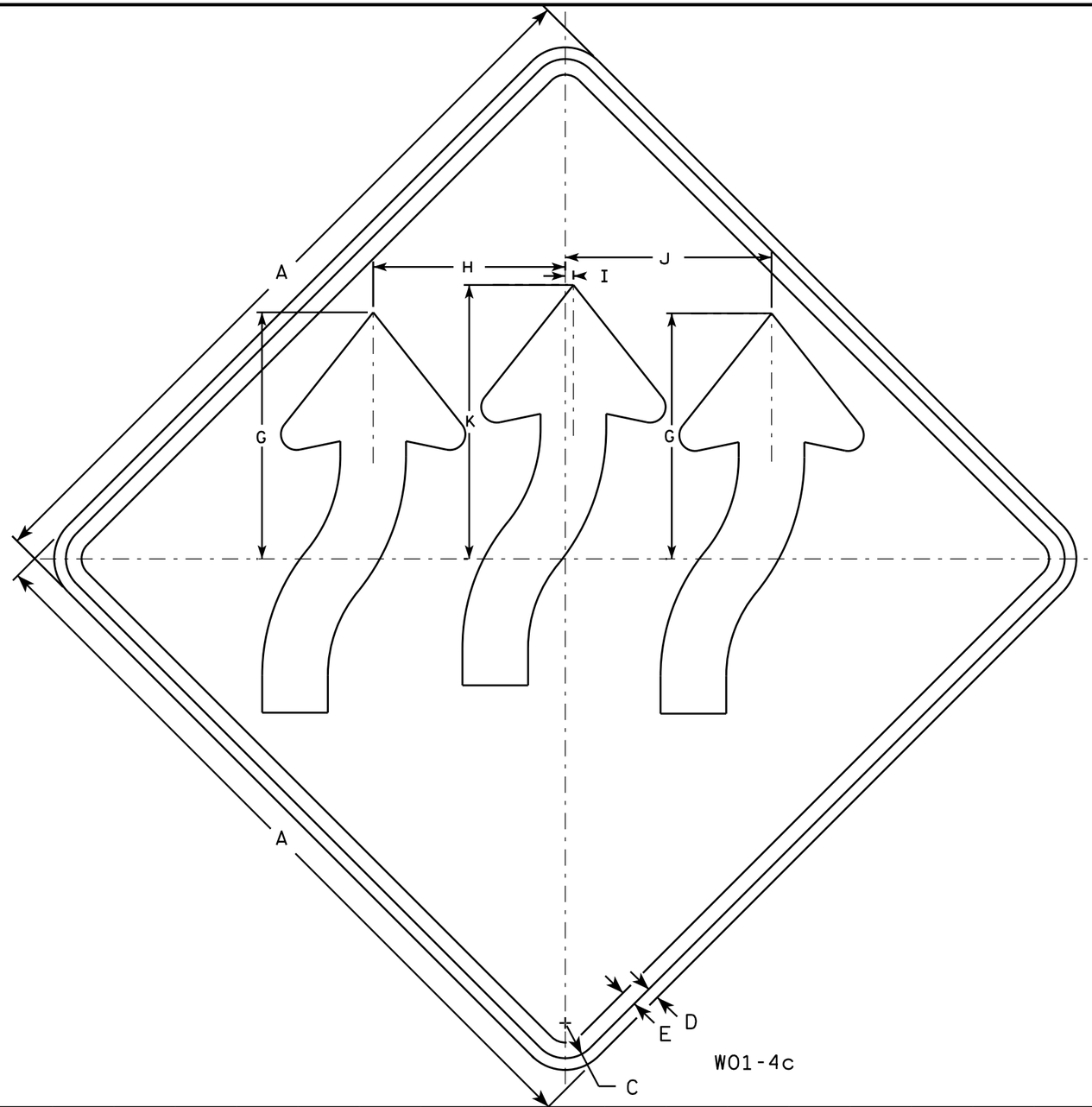
STANDARD SIGN
W21-62

WISCONSIN DEPT OF TRANSPORTATION

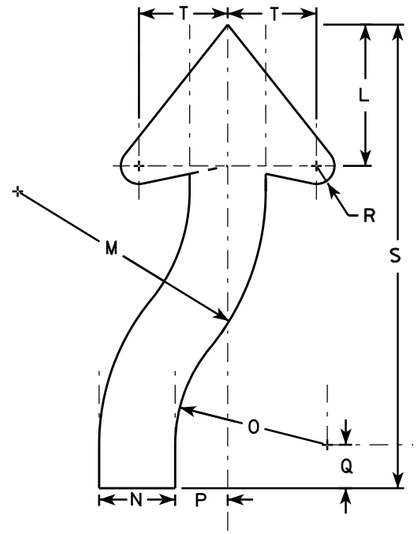
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/16/07 PLATE NO. W21-62.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 211 E



W01-4c



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		11 3/4	9 1/4	3/8	9 7/8	13 1/8	5 7/8	10 1/4	3 1/8	6 1/4	2 1/4	1 7/8	3/4	19 1/4	3 3/4							9.0
2S	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
2M	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
3	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
4	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
5	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0

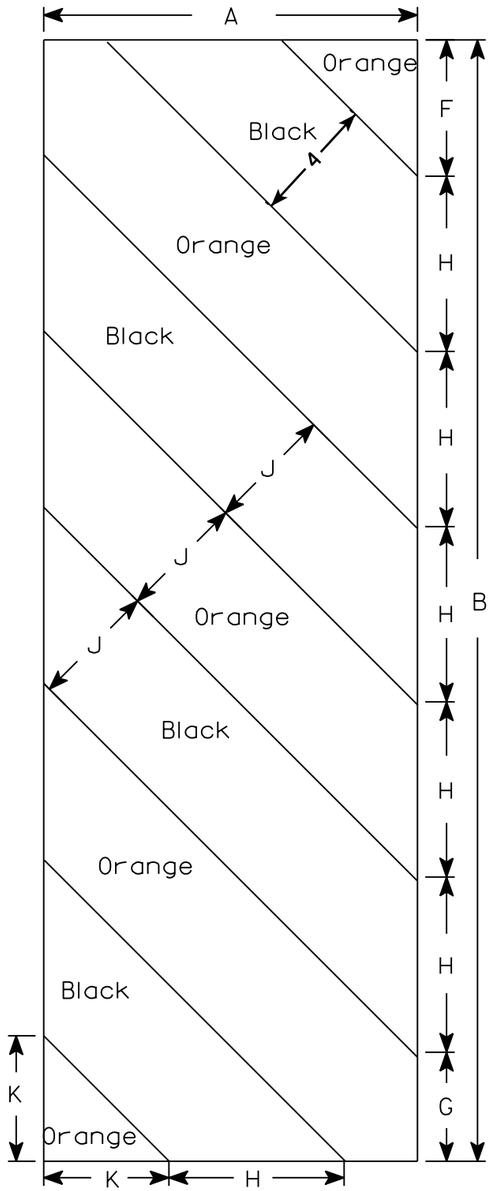
STANDARD SIGN
W01-4c

WISCONSIN DEPT OF TRANSPORTATION

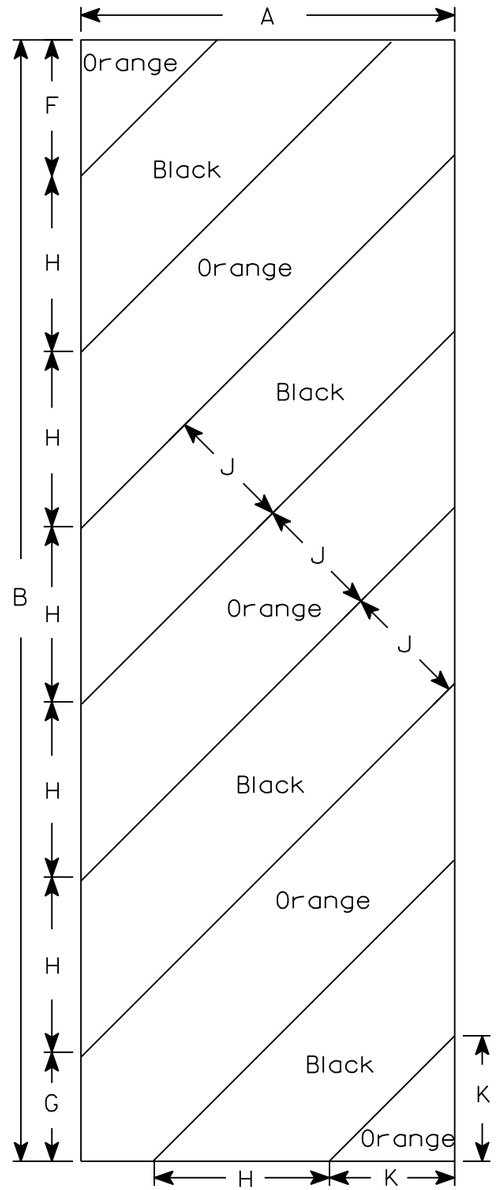
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 212 W01-4c.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

STATE PROJECT NUMBER
1060-34-82

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE CANTILEVER ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "SIGN BRIDGE CANTILEVERED S-40-XXX". LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

CENTER SIGNS VERTICALLY ON TRUSS.

ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR NOTED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

ALL STRUCTURAL STEEL MEMBERS SHALL BE GALVANIZED.

ALL BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 BOLTS, GALVANIZED PER ASTM A153 CLASS C AND MADE WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS IF THE UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SHOW SIGNS ON SHOP DRAWINGS.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO TRAFFIC OPS SE REGION: MR TOM HEYDEL, WIS DOT, 141 NW BARSTOW ST, WAUKESHA, WI 53187 AND THE PROJECT ENGINEER FOR APPROVAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE SUPPORT BASES. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE.

MATERIAL PROPERTIES

CONCRETE MASONRY ---------- f'c = 3,500 psi

HIGH STRENGTH STEEL
REINFORCEMENT, GRADE 60 ---------- fy = 60,000 psi

STRUCTURAL ANGLES,
PLATE AND BARS - ASTM A709 GRADE 36 ---- fy = 36,000 psi

CHORDS & COLUMN (INCLUDING
HANDHOLE) - API SPEC 5L GRADE 42 ---------- fy = 42,000 psi ☆

HIGH STRENGTH BOLTS - A325 ---------- fy = 92,000 psi

ANCHOR BOLTS - ASTM F1554---------- fy = 55,000 psi

STRUCTURAL MEMBERS GALVANIZED---------- ASTM A123

HARDWARE GALVANIZED ---------- ASTM A153 CLASS C

☆ ALTERNATE MATERIAL FOR COLUMN AND CHORD LESS THAN 10" DIAMETER MAY BE ASTM A500 GRADE B Fy = 42,000 psi, OR GRADE C Fy = 46,000 psi.

FOUNDATION DATA

ALLOWABLE SHAFT END BEARING PRESSURE = 4500 PSF

ALLOWABLE SKIN FRICTION = 190 PSF

SOIL COHESION = 1500 PSF

SOIL FRICTION ANGLE = 0°

DESIGN DATA

STRUCTURE NO.	DESIGN SIGN AREA	MAX. SIGN DEPTH
S-40-861	264 SF	12'-0"
S-40-862	264 SF	12'-0"

DESIGNED ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 2013 6TH EDITION.

DEAD LOAD - WT. OF SIGN, SUPPORTING STRUCTURE, CATWALK, LIGHTS AND RAILINGS. LIVE LOAD - SINGLE LINE LOAD OF 500 LBS. DISTRIBUTED OVER 2'-0" OF CATWALK.
ICE LOAD - 3 PSF TO ONE FACE OF SIGN & AROUND SURFACE OF MEMBERS.
WIND PRESSURE - 90 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS.

WIND COMPONENTS	NORMAL	TRANSVERSE
COMBINATION 1	1.0	0.2
COMBINATION 2	0.6	0.3

GROUP LOADS	% OF ALLOWABLE STRESS
I. DEAD	100
II. DEAD + WIND	133
III. DEAD + ICE + 1/2 WIND	133
IV. FATIGUE CATEGORY I WITHOUT GALLOPING	**

NOTE: WIND LOAD FOR GROUP 3 LOADING SHALL NOT BE LESS THAN 25 PSF.

** SEE SECTION 11 OF "THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTUAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION FOR FATIGUE LOADS AND STRESS RANGE LIMITS

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. S-40-861 GENERAL PLAN & ELEVATION
3. S-40-862 GENERAL PLAN & ELEVATION
4. CANTILEVER TRUSS FOOTING
5. GALVANIZED STEEL CANTILEVER SIGN TRUSS
6. GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS
7. HANDHOLE DETAILS
8. SUBSURFACE EXPLORATION (1 OF 2)
9. SUBSURFACE EXPLORATION (2 OF 2)



6/18/2015

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KARL SCHMID (414) 272-2426

NO.	DATE	REVISION	BY

FORWARD 45

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher NK — CHIEF STRUCTURES DESIGN ENGINEER — 06/29/15 DATE

STRUCTURES S-40-861/862

NB AUX LANE CANTILEVER SIGN STRUCTURES

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	WEST ALLIS

DESIGN SPEC.
AASHTO STD SPECS FOR HIGHWAY SIGNS 6TH ED

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
PRK	ASW	PRK	KES

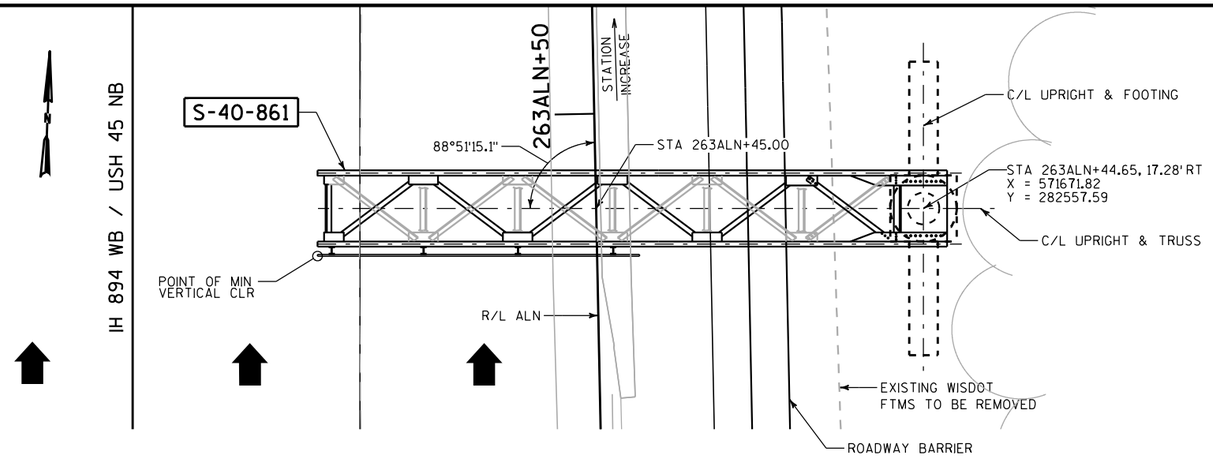
GENERAL NOTES & DESIGN DATA

SHEET 1 OF 9

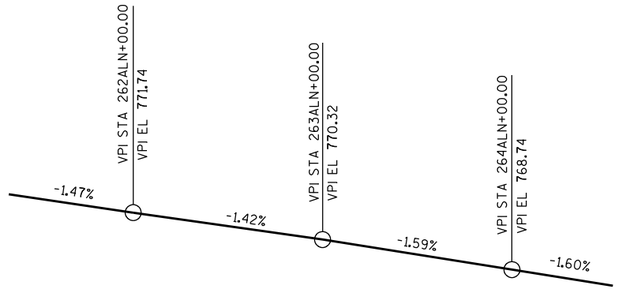
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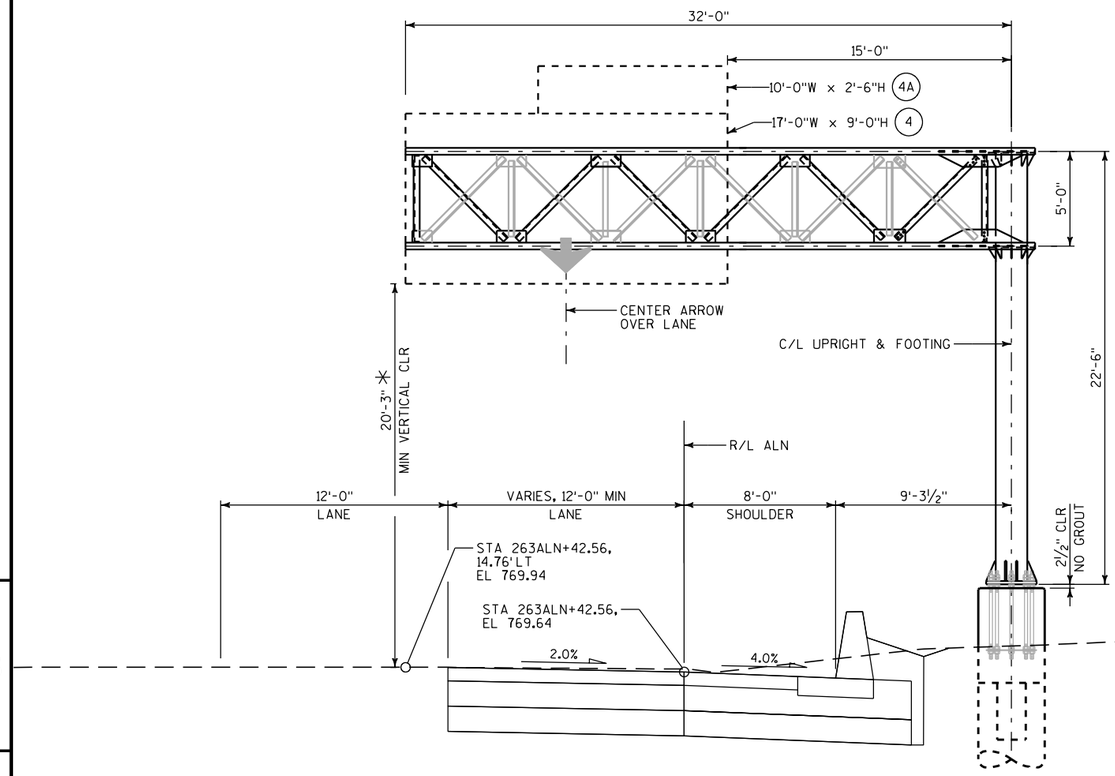
STATE PROJECT NUMBER
1060-34-82



PLAN

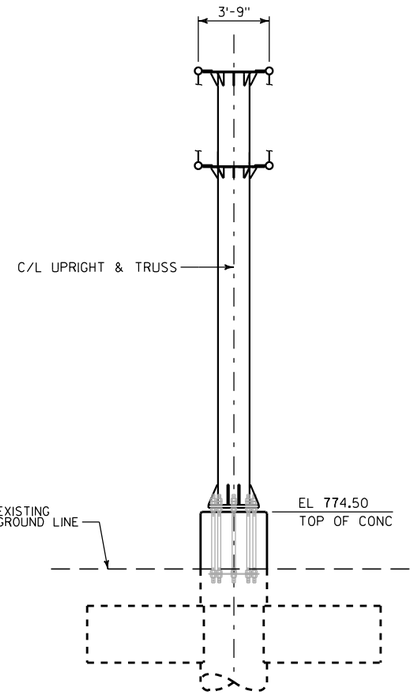


PROFILE GRADE LINE AL NB



ELEVATION

S-40-861 - STA 263ALN+45.00
IH 894 WB / USH 45 NB
(LOOKING UP STATION AT FRONT FACE OF SIGN)



END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	9
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	1,080
641.1200.0031	SIGN BRIDGE CANTILEVERED S-40-861 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4600

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY PRK | PLANS CK'D. KES

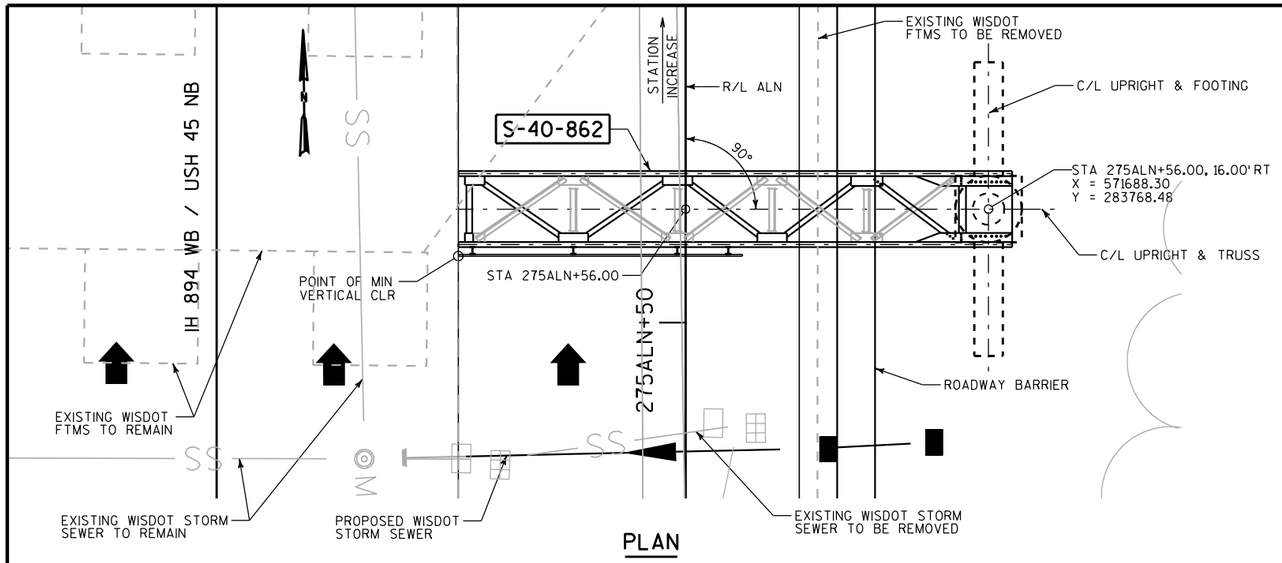
S-40-861
GENERAL PLAN
& ELEVATION

SHEET 2 OF 9

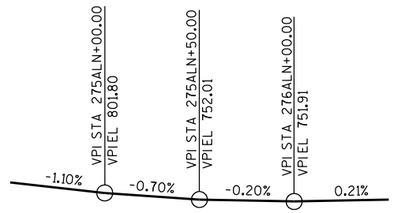
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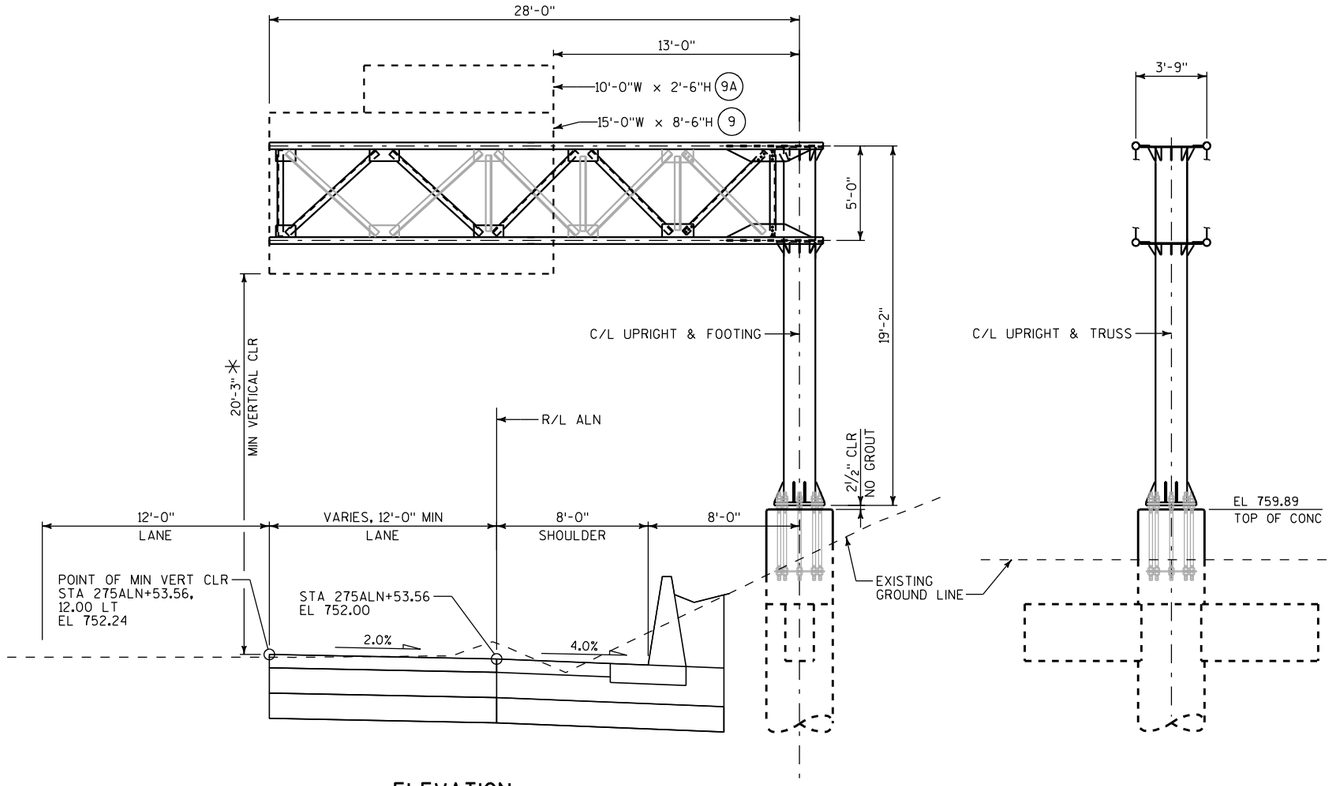
STATE PROJECT NUMBER
1060-34-82



PLAN



PROFILE GRADE LINE AL NB



ELEVATION

S-40-862 - STA 275ALN+56.00
IH 894 WB / USH 45 NB
(LOOKING UP STATION AT FRONT FACE OF SIGN)

END VIEW

TOTAL ESTIMATE OF QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
636.0100	SIGN SUPPORTS CONCRETE MASONRY	CY	9
636.1500	SIGN SUPPORTS STEEL COATED REINFORCEMENT HS	LB	1,080
641.1200.0032	SIGN BRIDGE CANTILEVERED S-40-862 ◑	LS	1
SPV.0075.4215	OBSTRUCTIONS SIGN SUPPORTS CONCRETE MASONRY	HRS	1

ALL ITEMS ARE CATEGORY 4610

LEGEND

✳ INCLUDES 2'-0" FOR FUTURE CATWALK INSTALLATION

◯ SIGN NUMBERS (PERMANENT SIGNING PLANS)

◑ THIS LUMP SUM BID ITEM INCLUDES HORIZONTAL TRUSS, VERTICAL STEEL COLUMN AND ANCHOR ASSEMBLIES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY PRK | PLANS CK'D. KES

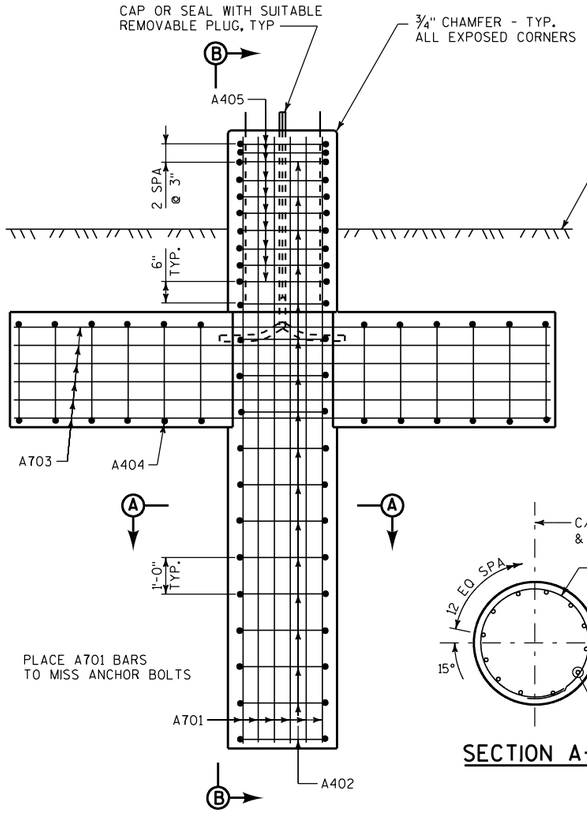
S-40-862
GENERAL PLAN
& ELEVATION

SHEET 3 OF 9

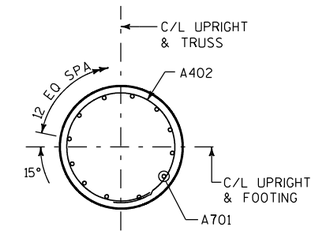
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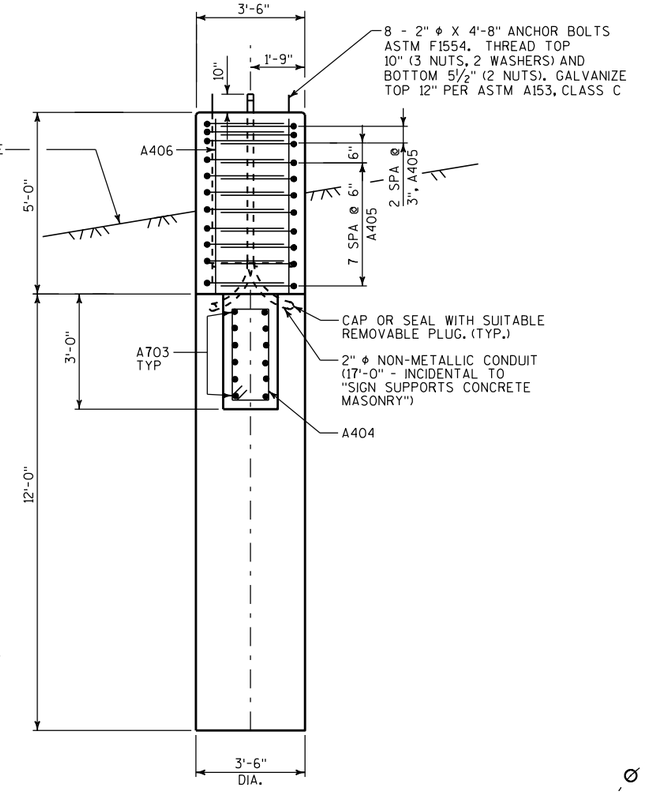
STATE PROJECT NUMBER
1060-34-82



ELEVATION



SECTION A-A

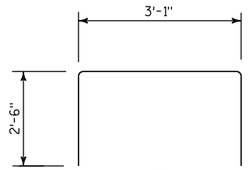


SECTION B-B

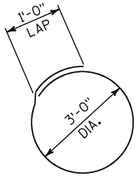
NOTE:
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS

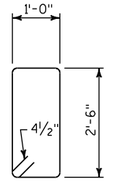
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	LOCATION
A701	X	12	16'-6"		FOOTING - COLUMN/TOP
A402	X	17	10'-6"	X	FOOTING - COLUMN/TOP
A703	X	12	15'-0"		FOOTING - WINGS
A404	X	12	7'-6"	X	FOOTING - WINGS
A405	X	22	7'-11"	X	FOOTING - TOP
A406	X	4	4'-6"		FOOTING - TOP - COLUMNS



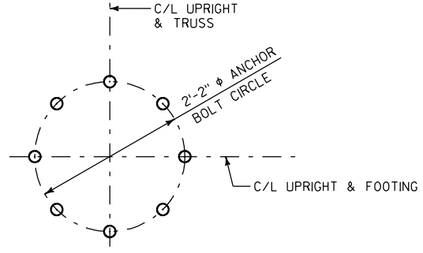
A405

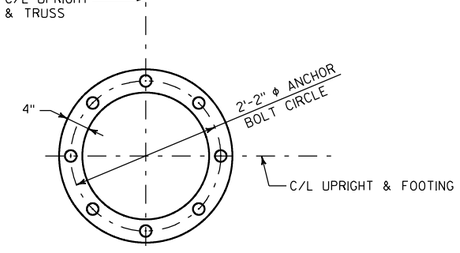


A402

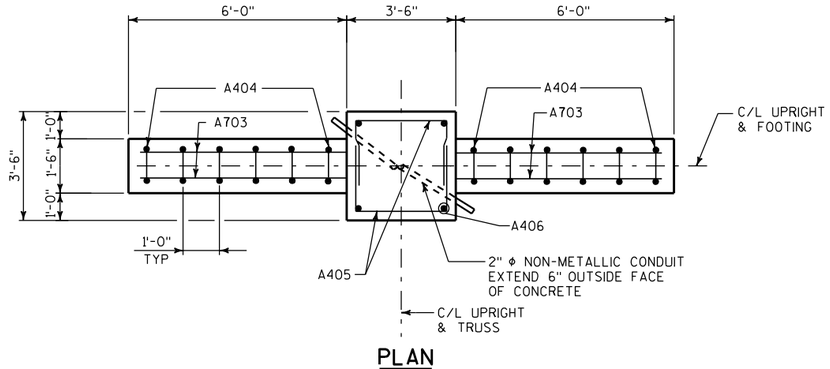


A404
(STIRRUP)

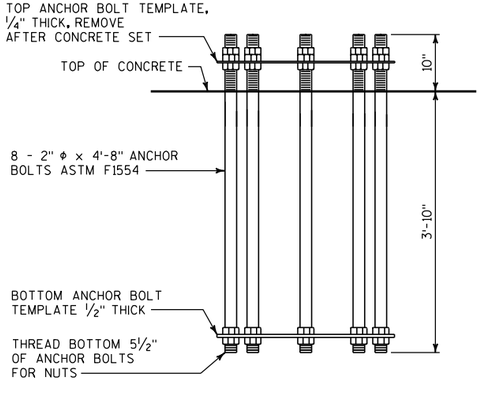




TOP VIEW OF TOP & BOTTOM TEMPLATES



PLAN



ANCHOR BOLT DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

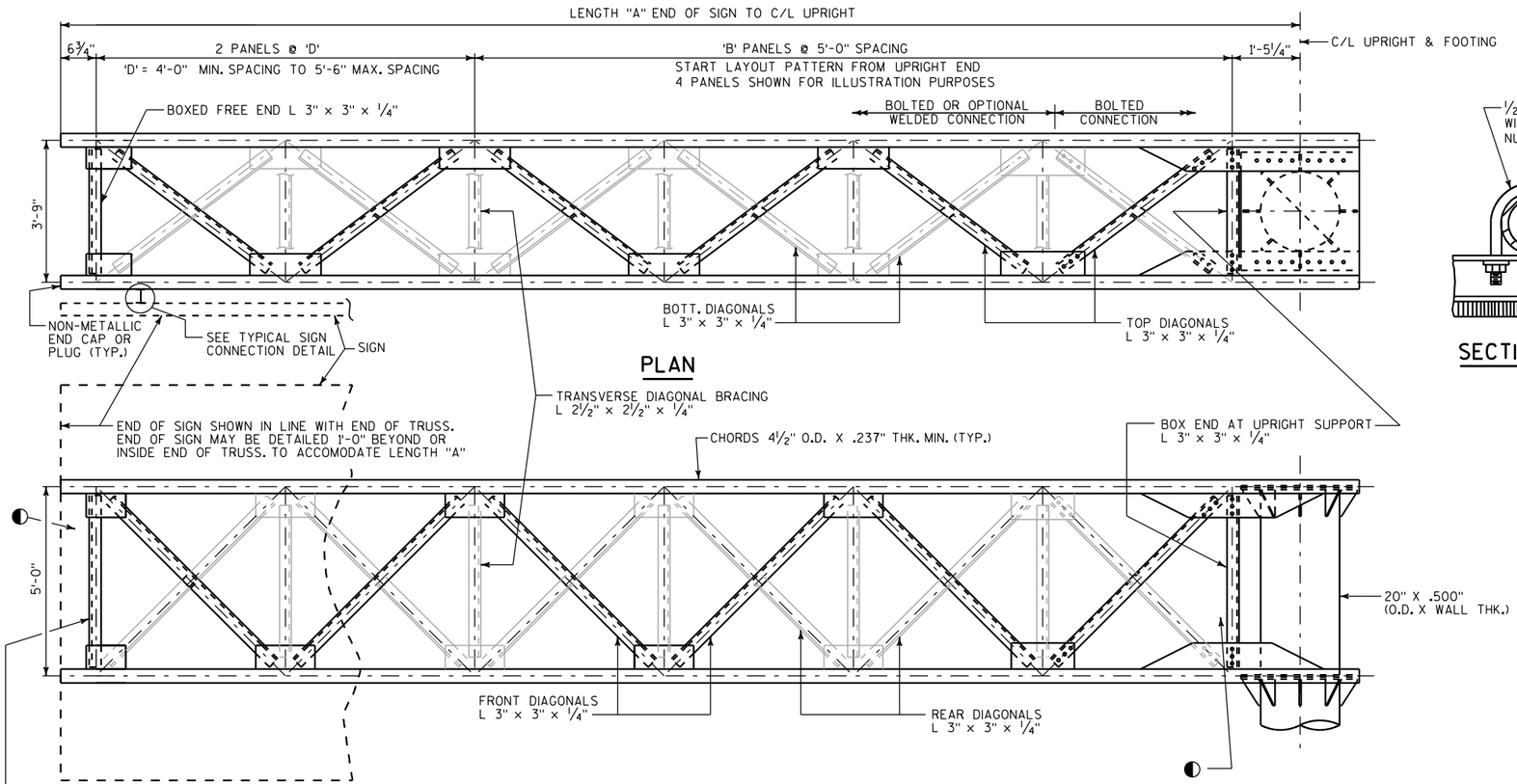
STRUCTURES S-40-861/862

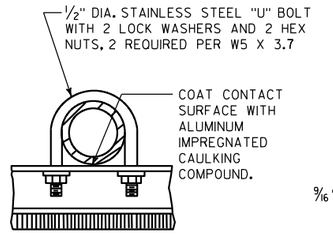
DRAWN BY PRK | PLANS CK'D. KES

CANTILEVER TRUSS FOOTING

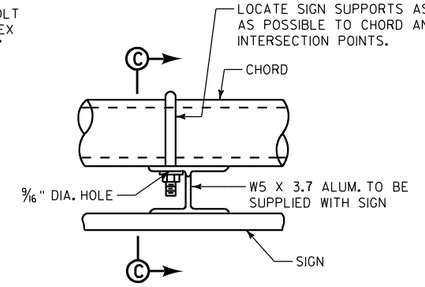
SHEET 4 OF 9

STATE PROJECT NUMBER
1060-34-82

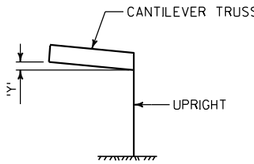




SECTION C-C



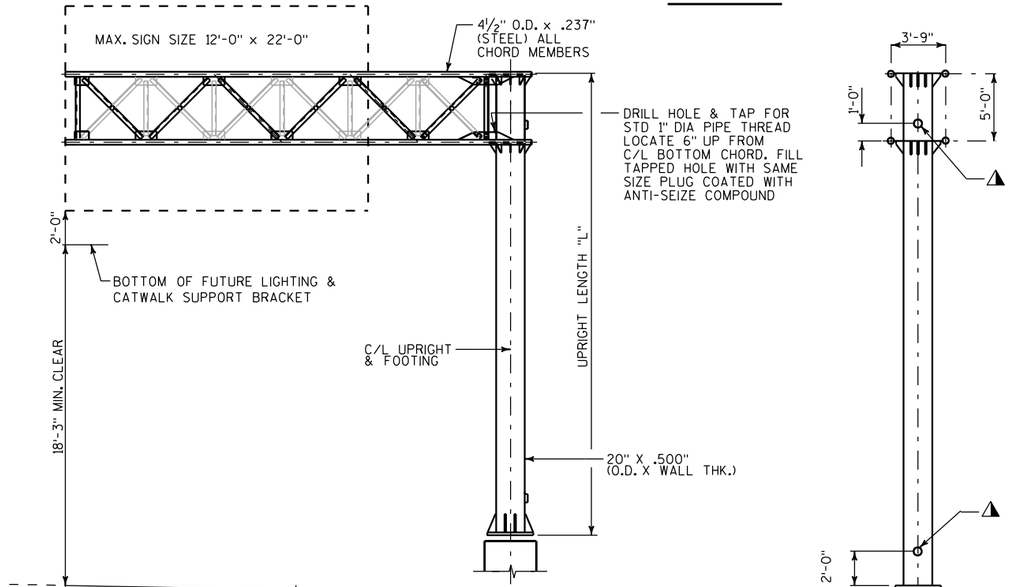
TYPICAL SIGN CONNECTION



CAMBER DIAGRAM

TABLE OF DIMENSIONS

STRUCTURE	"A"	"L"	"B"	"D"	"Y"
S-40-861	32'-0"	22'-6"	4	5'-0"	3⅛"
S-40-862	28'-0"	19'-2"	3	5'-6"	2⅛"



ELEVATION

(FOR PAVMENT AND TOP OF FOOTING ELEVATIONS, SEE SHEETS 2 & 3)

END VIEW

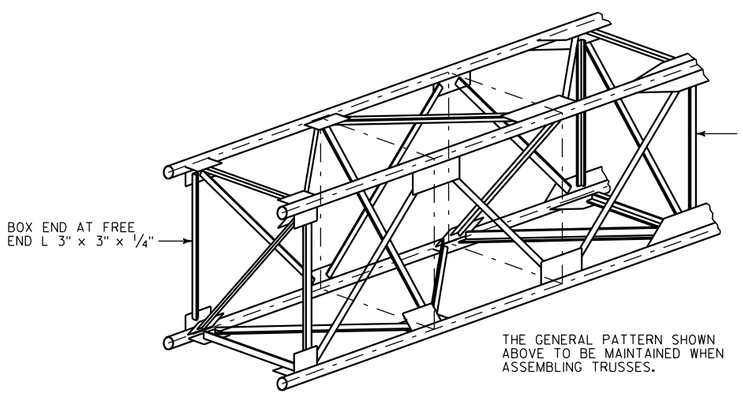
LEGEND

◐ SEE CANTILEVER SIGN TRUSS DETAILS SHEET FOR CONNECTION OF TRANSVERSE DIAGONAL BRACING AT UPRIGHT SUPPORT AND FREE END

⚠ HANDHOLE, SEE SHT 7 FOR DETAILS

NOTES

PREFABRICATE CAMBER INTO THE HORIZONTAL SUPPORT PROVIDING AN AMOUNT "Y" AT THE END OF TRUSS SHOWN IN THE "CAMBER DIAGRAM". DO NOT RAKE VERTICAL UPRIGHT BY ADJUSTMENT OF THE LEVELING NUTS.



THE GENERAL PATTERN SHOWN ABOVE TO BE MAINTAINED WHEN ASSEMBLING TRUSSES.

TYPICAL TRUSS SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY	PRK	PLANS CK'D.	KES

GALVANIZED STEEL CANTILEVER SIGN TRUSS

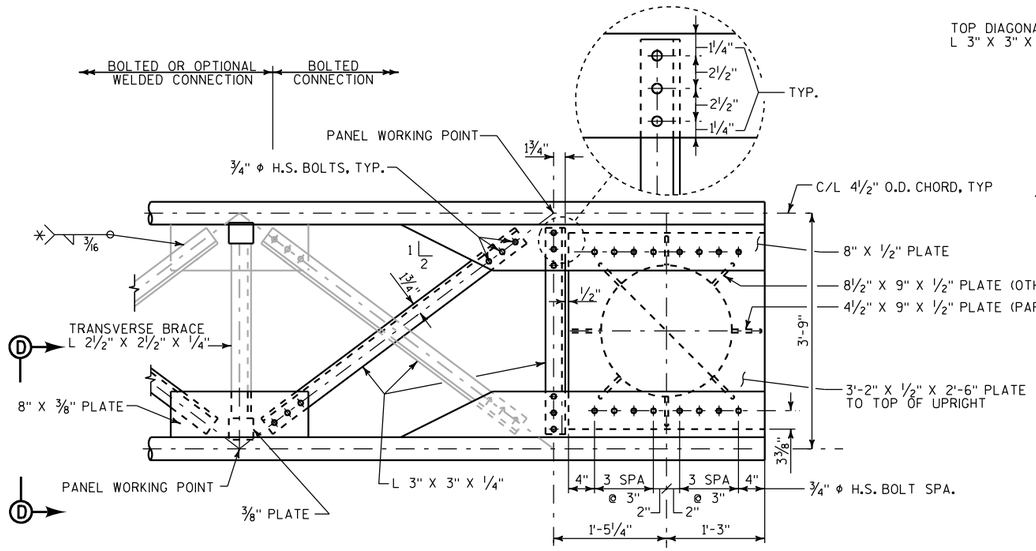
SHEET 5 OF 9

8

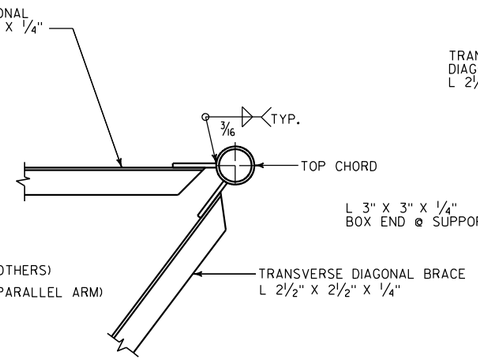
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FILE NAME : W:\Cadd\Final\10603482_AL\Structs\S-40-861\cds\080201_de.dgn PLOT DATE : 18-JUN-2015 11:02 PLOT BY : MSCKES PLOT NAME : 080201_de PLOT SCALE : 4:1

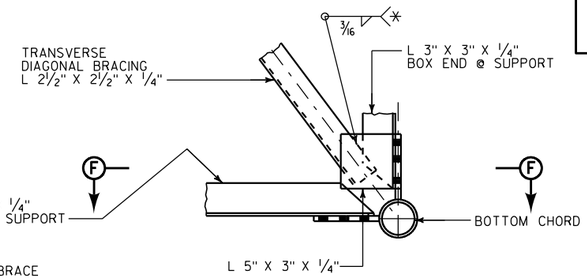
STATE PROJECT NUMBER
1060-34-82



PLAN TRUSS TO UPRIGHT

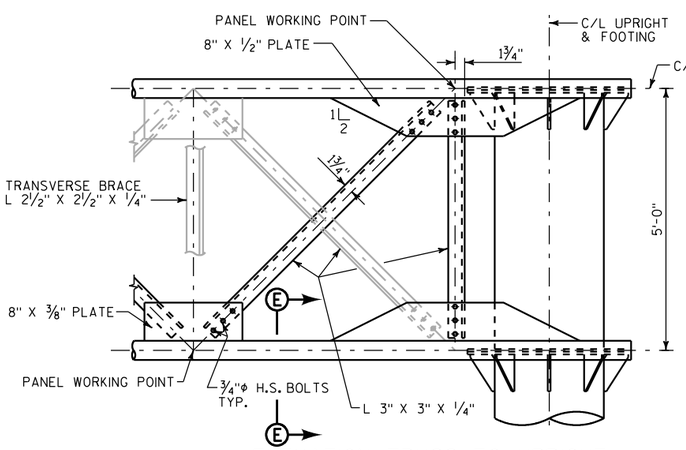


SECTION D-D

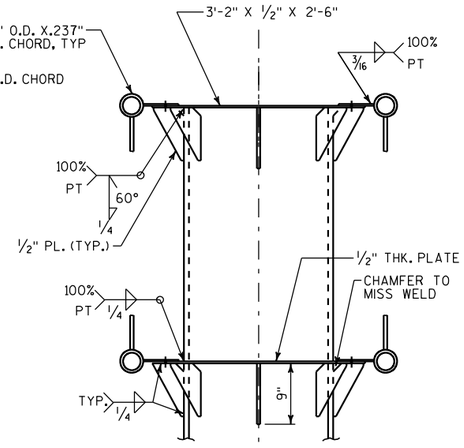


SECTION E-E

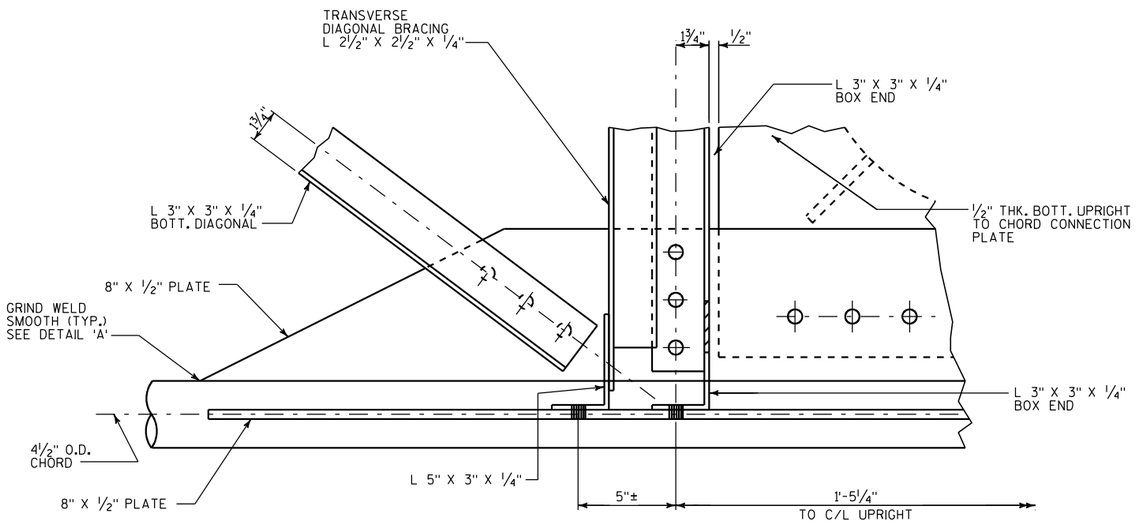
✳ ANGLE	WELD LENGTH (MIN.)
L 2½" X 2½" X ¼"	7"
L 3" X 3" X ¼"	8"



ELEVATION TRUSS TO UPRIGHT

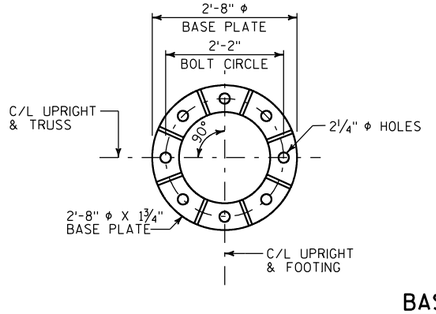


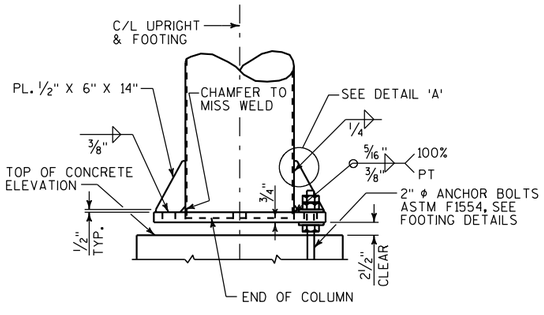
END VIEW TRUSS TO UPRIGHT



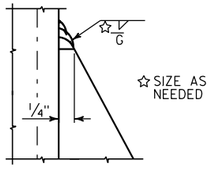
SECTION F-F

(LOOKING DOWN @ BOTT. HORIZ. PLANE @ FRONT CHORD)

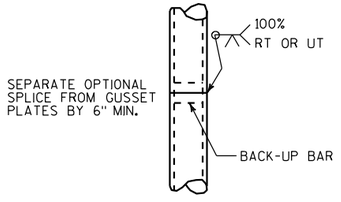




BASE PLATE DETAILS



DETAIL 'A'



OPTIONAL COLUMN OR CHORD SPLICE DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

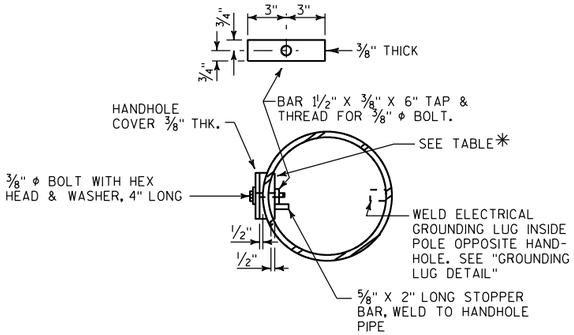
DRAWN BY PRK | PLANS CK'D. KES

GALVANIZED STEEL CANTILEVER SIGN TRUSS DETAILS

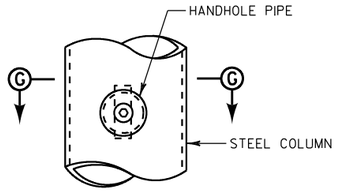
SHEET 6 OF 9

STATE PROJECT NUMBER

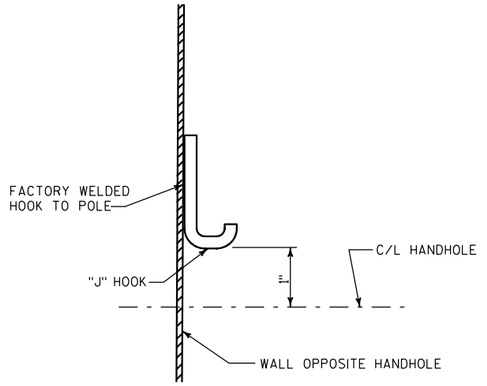
1060-34-82



SECTION G-G

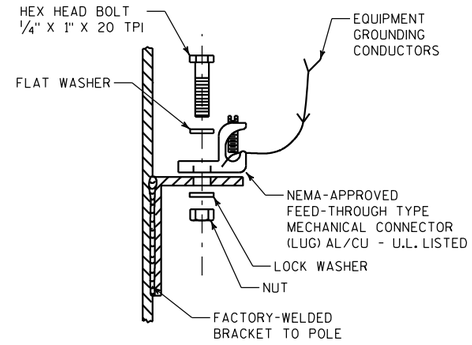


HANDHOLE DETAILS



TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

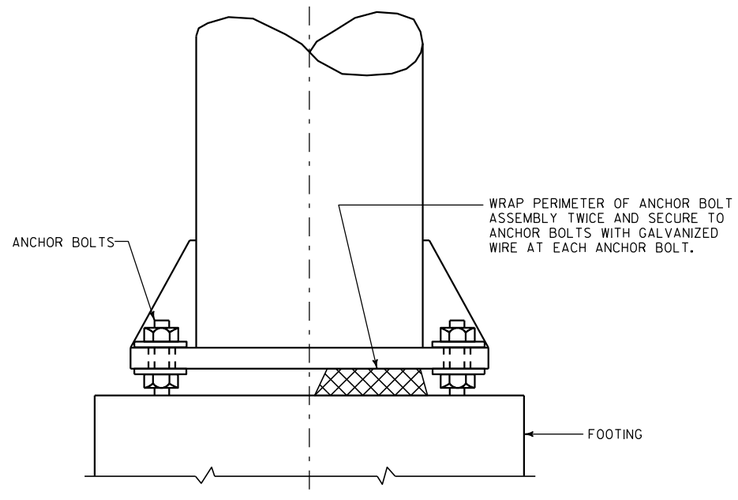
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HANDHOLE NOTES

HANDHOLES SHALL BE LOCATED IN THE COLUMN AS DETAILED ON SHT 5.

✳

UPRIGHT DIAM. SIZE	HANDHOLE PIPE O.D. X MIN. THK.
UP TO AND INCLD. 16" X .375"	5.562" X .500"
GREATER THAN 16" X .375" TO AND INCLD. 24" X .562"	6.625" X .562"



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY PRK | PLANS CK'D. KES

HANDHOLE DETAILS

SHEET 7 OF 9

FILE NAME : W:\Cadd\Final\10603482_AL\Structs\S-40-861\cds\080203_de.dgn PLOT DATE : 18-JUN-2015 11:02 PLOT BY : MSCKES PLOT NAME : 080203_de PLOT SCALE : 4:1

NOTE

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

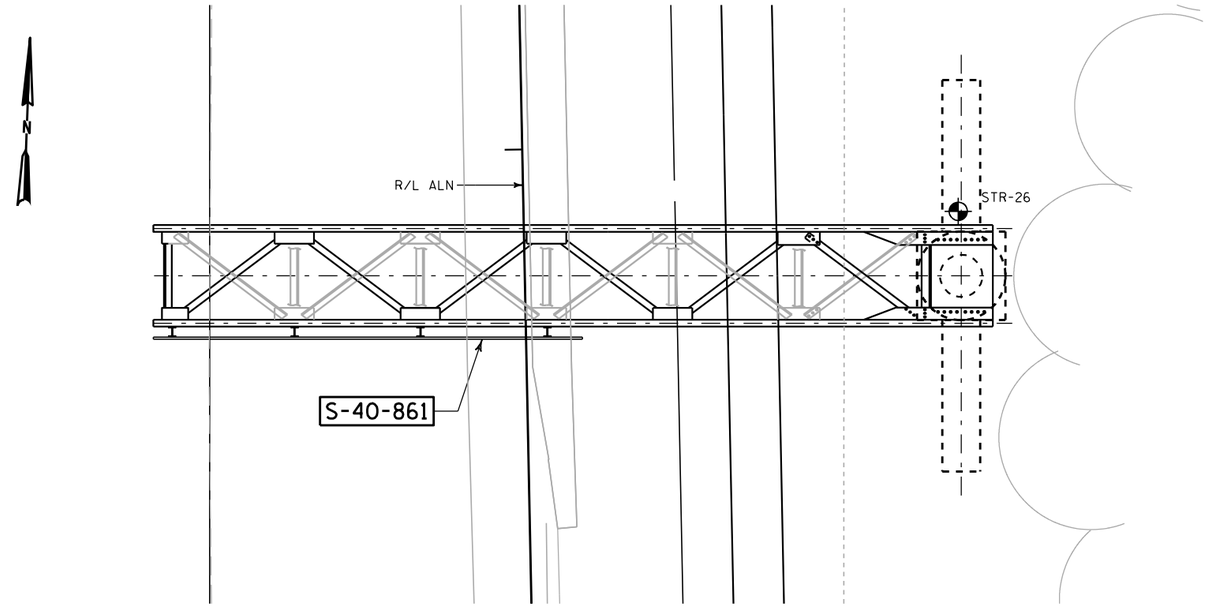
BORING STATIONS AND OFFSETS ARE BASED ON R/L AL.

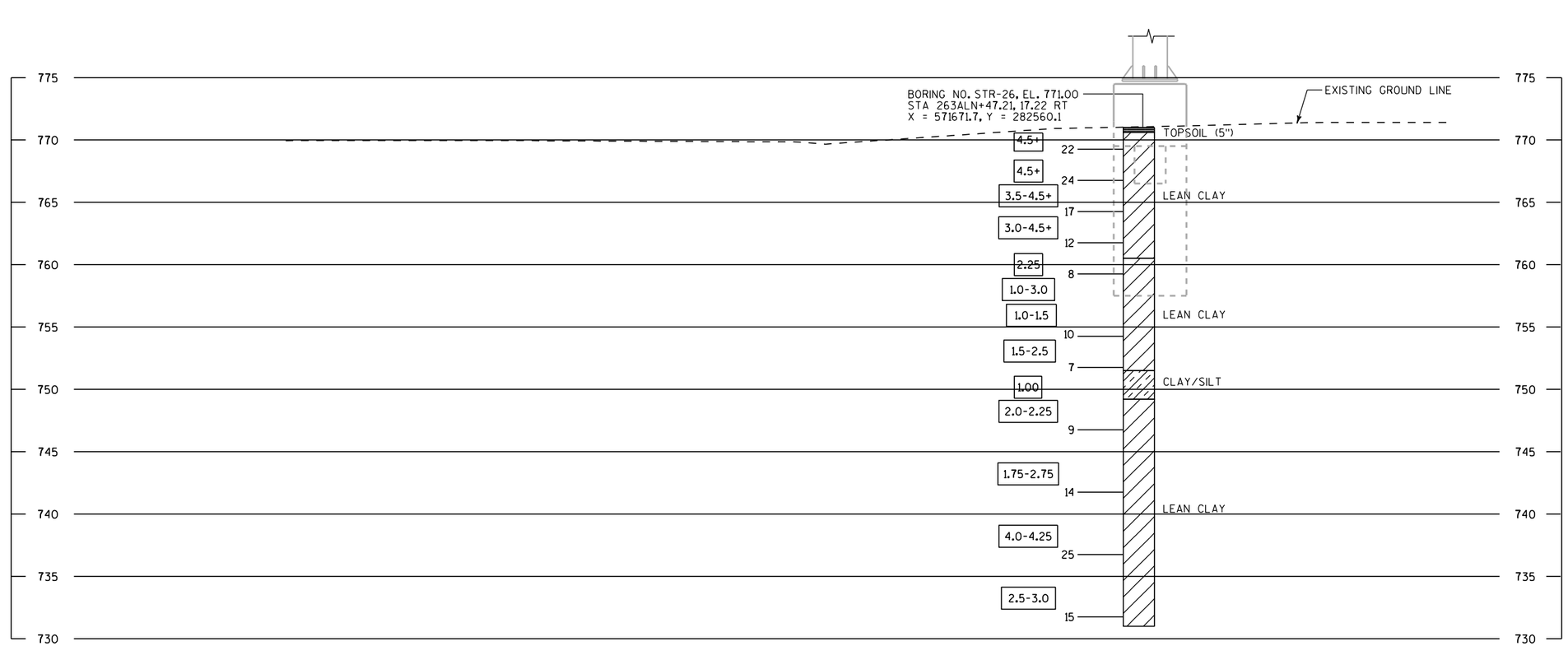
⌖ DENOTES SOIL BORING LOCATION

SOIL BORINGS COMPLETED BY:
GESTRA ENGINEERING, INC.

SOIL BORING TAKEN:
DEC 9, 2014 - BORING STR-26

IH 894 WB / USH 45 NB





STATE PROJECT NUMBER

1060-34-82

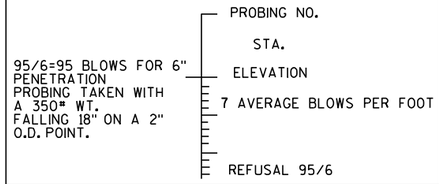
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

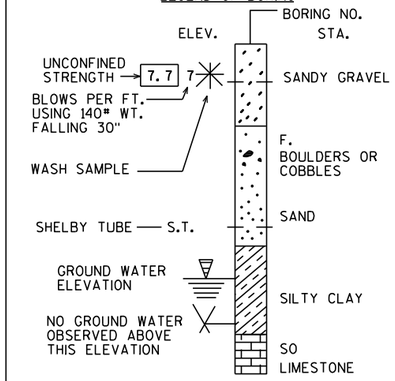
MATERIAL SYMBOLS

TOPSOIL / FILL · SILT · SANDSTONE
SAND · PEAT · LIMESTONE
GRAVEL · CLAY · IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY TEK | PLANS CK'D. KES

SUBSURFACE EXPLORATION (1 OF 2)

SHEET 8 OF 9

8

8

FILE NAME : W:\Cadd\Final\10603482_AL\Structs\S-40-861\cds\080301_se.dgn PLOT DATE : 18-JUN-2015 11:02 PLOT BY : MSCKES PLOT NAME : 080301_se PLOT SCALE : 6:1

NOTE

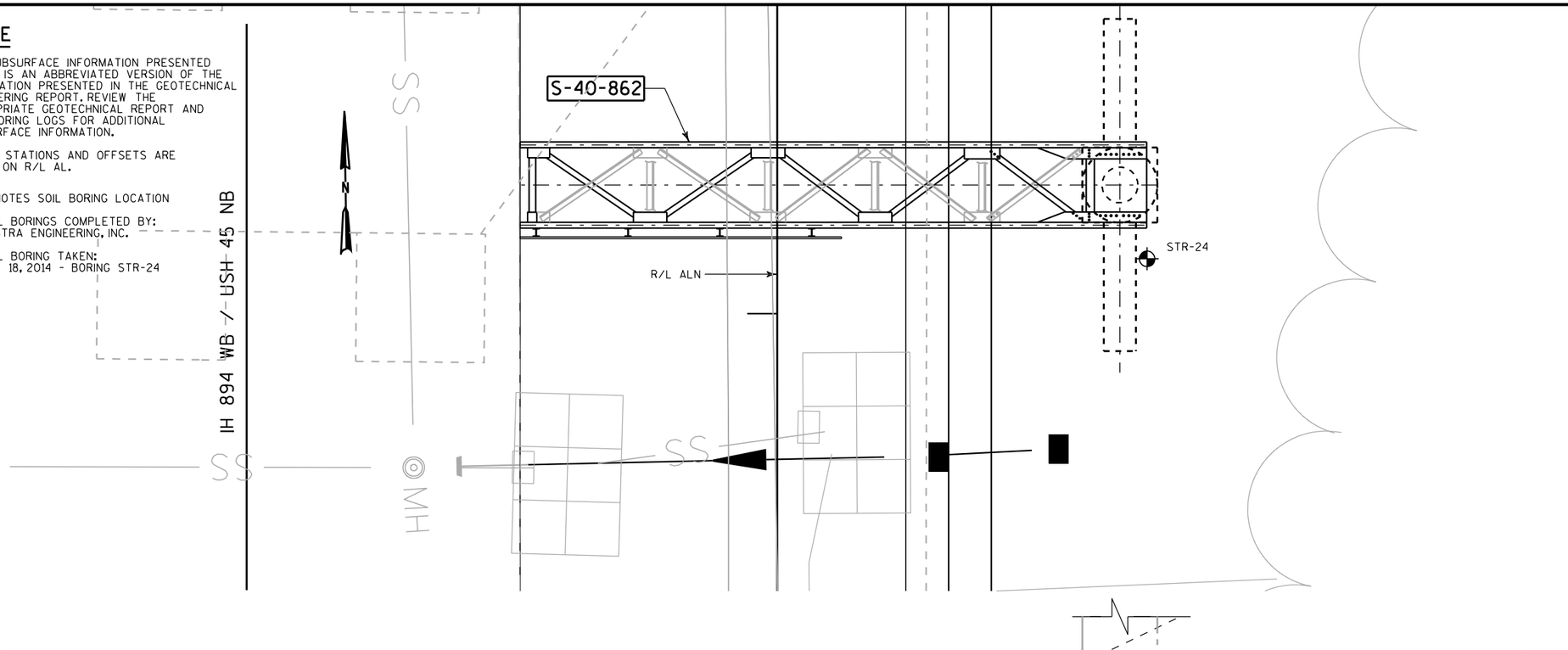
THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

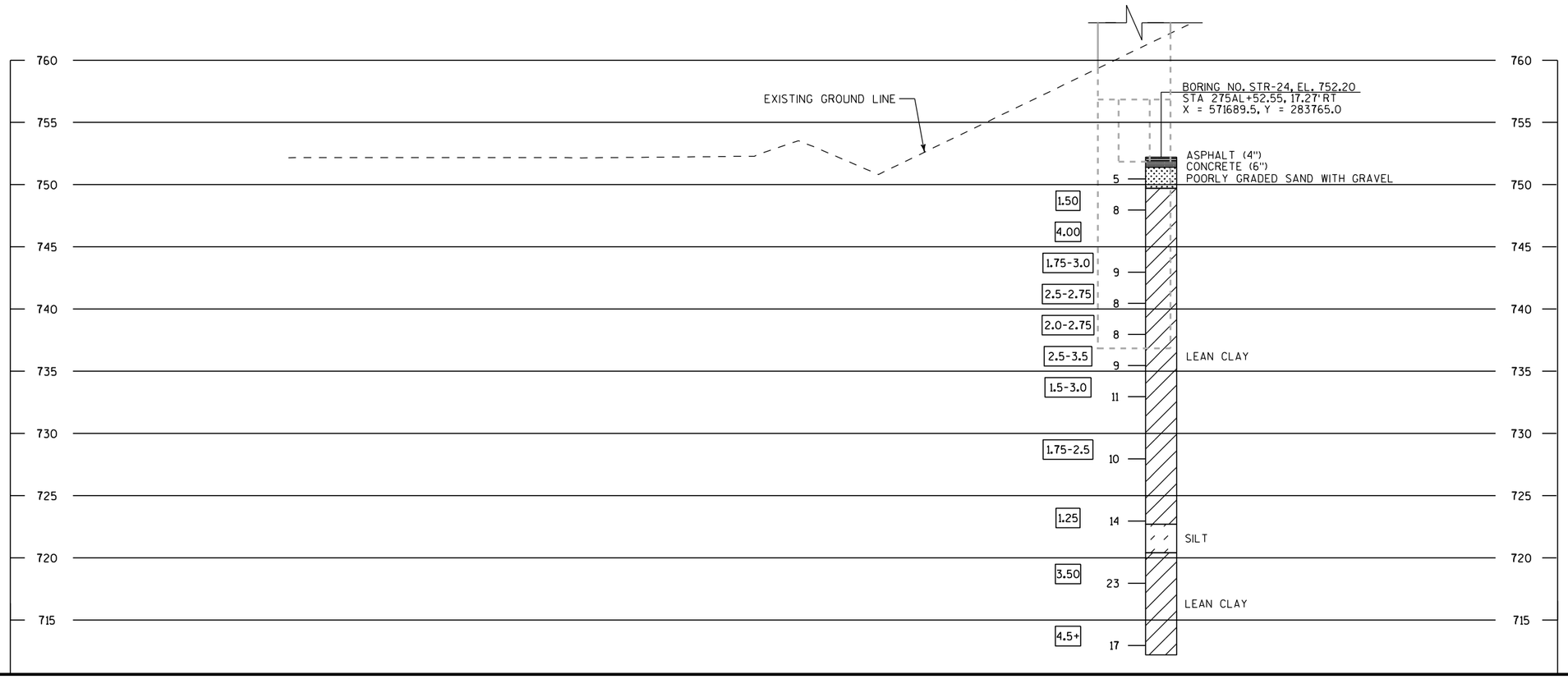
BORING STATIONS AND OFFSETS ARE BASED ON R/L AL.

⊕ DENOTES SOIL BORING LOCATION

SOIL BORINGS COMPLETED BY:
GESTRA ENGINEERING, INC.

SOIL BORING TAKEN:
DEC 18, 2014 - BORING STR-24





STATE PROJECT NUMBER

1060-34-82

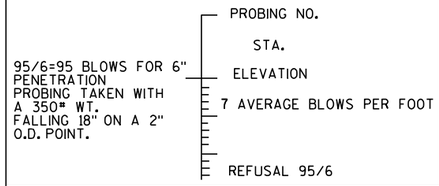
ABBREVIATIONS

F — FINE M — MEDIUM C — COARSE
WS — WEATHERED SO — SOUND

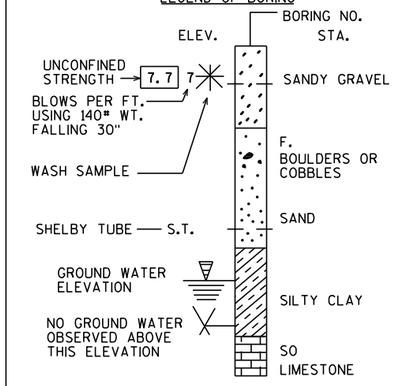
MATERIAL SYMBOLS

TOPSOIL / FILL, SILT, SANDSTONE
SAND, PEAT, LIMESTONE
GRAVEL, CLAY, IGNEOUS ROCK

LEGEND OF PROBING



LEGEND OF BORING



UNLESS OTHERWISE SPECIFIED, THE BLOWS PER FOOT AT THE LOCATIONS INDICATED ARE BASED ON DRIVING A 2" O.D. X 1.4" I.D. SPLIT SPOON SAMPLER WITH A 140# HAMMER HAVING A FREE FALL OF 30". THE BLOW COUNT IS TAKEN IN UNDISTURBED SOIL IMMEDIATELY BELOW A CASED OR OPEN HOLE ELIMINATING SIDE FRICTION ON THE DRIVE PIPE.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

TO OBTAIN RELATIVE DATA CONCERNING THE CHARACTER OF MATERIAL IN AND UPON WHICH THE FOUNDATION MIGHT BE BUILT, BORINGS AND/OR SOUNDINGS WERE MADE AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING. THE DATA PRESENTED HEREIN REPRESENTS THE FINDINGS OF THE SUBSURFACE EXPLORATIONS MADE. HOWEVER, BECAUSE THE DEPTHS INVESTIGATED ARE LIMITED AND THE AREA OF THE BORINGS AND/OR SOUNDINGS IS VERY SMALL IN RELATION TO THE ENTIRE AREA, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT CONDITIONS BELOW THE DEPTHS INVESTIGATED OR THAT THE CLASSIFICATION OF MATERIAL ENCOUNTERED IN THESE INVESTIGATIONS IS NECESSARILY TYPICAL OF THE ENTIRE SITE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURES S-40-861/862

DRAWN BY TEK | PLANS CK'D. KES

SUBSURFACE EXPLORATION (2 OF 2)

SHEET 9 OF 9

8

8

FILE NAME : W:\Cadd\Final\10603482_AL\Structs\S-40-861\cds\080302_se.dgn PLOT DATE : 18-JUN-2015 11:02 PLOT BY : MSCKES PLOT NAME : 080302_se PLOT SCALE : 6:1

Division 1 IH 894/USH 45 NB

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Expanded Fill	Expanded EBS Backfill	Reduced EBS In Fill	
							Note 1	Note 2	Note 3		1.0	1.2	1.3 Note 4	0.8 Note 5	Note 4
255+70 AH	25570	0	139	11	28	0	0	0	0	0	0	0	0	0	0
256+00	25600	30	131	11	25	0	150	12	30	0	150	35	0	0	102
256+50	25650	50	139	11	22	0	250	21	44	0	399	88	0	0	278
257+00	25700	50	162	11	14	0	279	21	33	0	678	128	0	0	496
257+50	25750	50	154	11	13	0	293	21	25	0	971	158	0	0	739
258+00	25800	50	149	11	9	0	280	21	21	0	1251	183	0	0	974
258+50	25850	50	144	11	2	0	271	21	10	0	1522	195	0	0	1212
259+00	25900	50	149	11	0	0	271	21	2	0	1794	198	0	0	1460
259+50	25950	50	148	11	0	0	276	21	0	0	2069	198	0	0	1715
260+00	26000	50	139	11	0	0	267	21	0	0	2336	198	0	0	1961
260+50	26050	50	121	11	0	0	241	21	0	0	2577	198	0	0	2182
261+00	26100	50	117	11	0	0	220	21	0	0	2797	198	0	0	2381
261+50	26150	50	113	11	0	0	213	21	0	0	3010	198	0	0	2573
262+00	26200	50	111	11	0	0	207	21	0	0	3217	198	0	0	2760
262+50	26250	50	104	11	0	0	199	21	0	0	3416	198	0	0	2939
263+00	26300	50	99	11	0	0	189	21	0	0	3605	198	0	0	3107
263+50	26350	50	95	11	0	0	180	21	0	0	3785	198	0	0	3267
264+00	26400	50	95	11	0	0	176	21	0	0	3962	198	0	0	3423
264+50	26450	50	97	11	0	0	179	21	0	0	4140	198	0	0	3581
265+00	26500	50	92	11	0	0	176	21	0	0	4316	198	0	0	3736
265+50	26550	50	94	11	0	0	173	21	0	0	4489	198	0	0	3888
266+00	26600	50	94	11	0	0	174	21	0	0	4663	198	0	0	4041
266+50	26650	50	92	11	0	0	172	21	0	0	4835	198	0	0	4193
267+00	26700	50	94	11	0	0	172	21	0	0	5006	198	0	0	4344
267+50	26750	50	92	11	4	0	171	21	4	0	5178	202	0	0	4491
268+00	26800	50	92	11	5	0	170	21	8	0	5348	211	0	0	4631
268+50	26850	50	92	11	3	0	171	21	7	0	5518	220	0	0	4773
269+00	26900	50	91	11	1	0	170	21	4	0	5688	224	0	0	4917
269+50	26950	50	92	11	1	0	170	21	3	0	5858	227	0	0	5064

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

(CONTINUED ON NEXT PAGE)

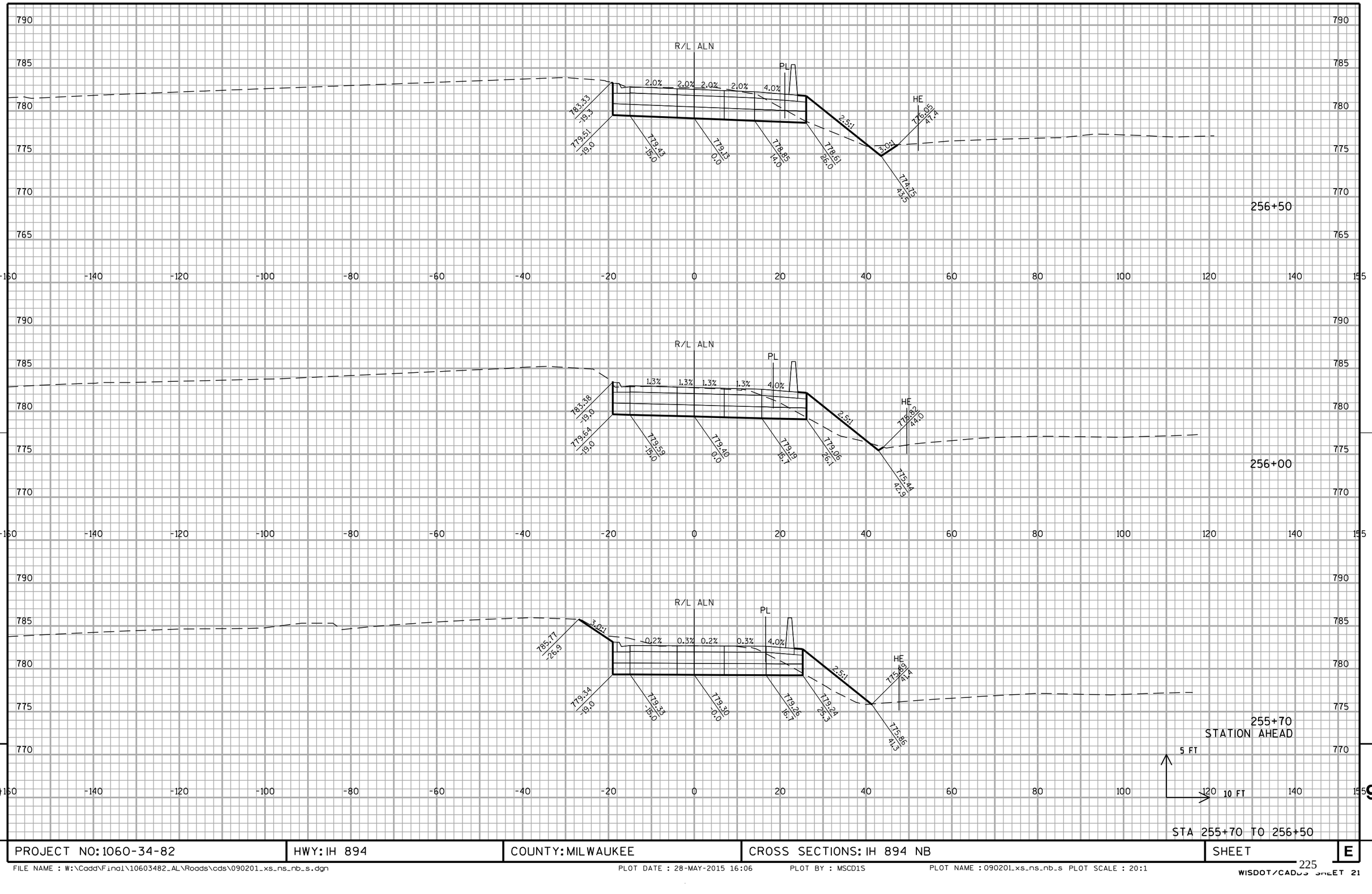
(CONTINUED)

Division 1 IH 894/USH 45 NB

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material Note 2	Incremental Vol (CY) (Unadjusted) Fill Note 3	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.0	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.3 Note 4	Cumulative Vol (CY) Reduced EBS In Fill 0.8 Note 5	Mass Ordinate Note 4
270+00	27000	50	92	11	2	0	170	21	3	0	6029	231	0	0	5209
270+50	27050	50	92	11	1	0	170	21	3	0	6199	235	0	0	5355
271+00	27100	50	94	11	1	0	172	21	2	0	6371	237	0	0	5505
271+50	27150	50	96	11	0	0	176	21	1	0	6546	238	0	0	5658
272+00	27200	50	97	11	0	0	179	21	0	0	6725	239	0	0	5816
272+50	27250	50	100	11	0	0	183	21	1	0	6907	239	0	0	5977
273+00	27300	50	97	11	0	0	182	21	0	0	7090	240	0	0	6138
273+50	27350	50	96	11	0	0	179	21	0	0	7268	240	0	0	6297
274+00	27400	50	97	11	0	0	178	21	0	0	7447	240	0	0	6455
274+50	27450	50	95	11	0	0	177	21	0	0	7624	240	0	0	6611
275+00	27500	50	97	11	0	0	177	21	0	0	7802	240	0	0	6768
275+50	27550	50	96	11	0	0	178	21	0	0	7980	240	0	0	6926
276+00	27600	50	116	11	0	0	196	21	0	0	8176	240	0	0	7101
276+50	27650	50	160	11	0	0	255	21	0	0	8432	240	0	0	7336
277+00	27700	50	107	11	0	96	247	21	0	89	8678	155	0	0	7648
277+50	27750	50	97	11	1	96	189	21	1	178	8867	-15	0	0	7986
278+00	27800	50	102	11	0	97	184	21	1	179	9051	-186	0	0	8320
278+50	27850	50	105	11	0	102	191	21	0	184	9242	-363	0	0	8668
279+00	27900	50	101	11	0	107	191	21	0	194	9433	-548	0	0	9023
279+50	27950	50	104	11	0	112	190	21	0	203	9623	-743	0	0	9387
280+00	28000	50	105	11	0	118	194	21	0	213	9816	-947	0	0	9764
280+50	28050	50	112	11	0	128	202	21	0	228	10018	-1165	0	0	10163
280+60 BK	28060	10	116	11	0	132	42	4	0	48	10060	-1211	0	0	10248
				Column totals			10060	1024	202	1515					

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections nor is it shown in these sheets. Refer to Summary Table for this roadway's quantity.
3 - Fill	Does not include Unusable Pavement Exc volume
4 - Mass Ordinate	If EBS to be backfilled with Cut or Borrow: [(Cut + EBS) - ((Fill) - (Reduced EBS in Fill)) * Fill Factor)]

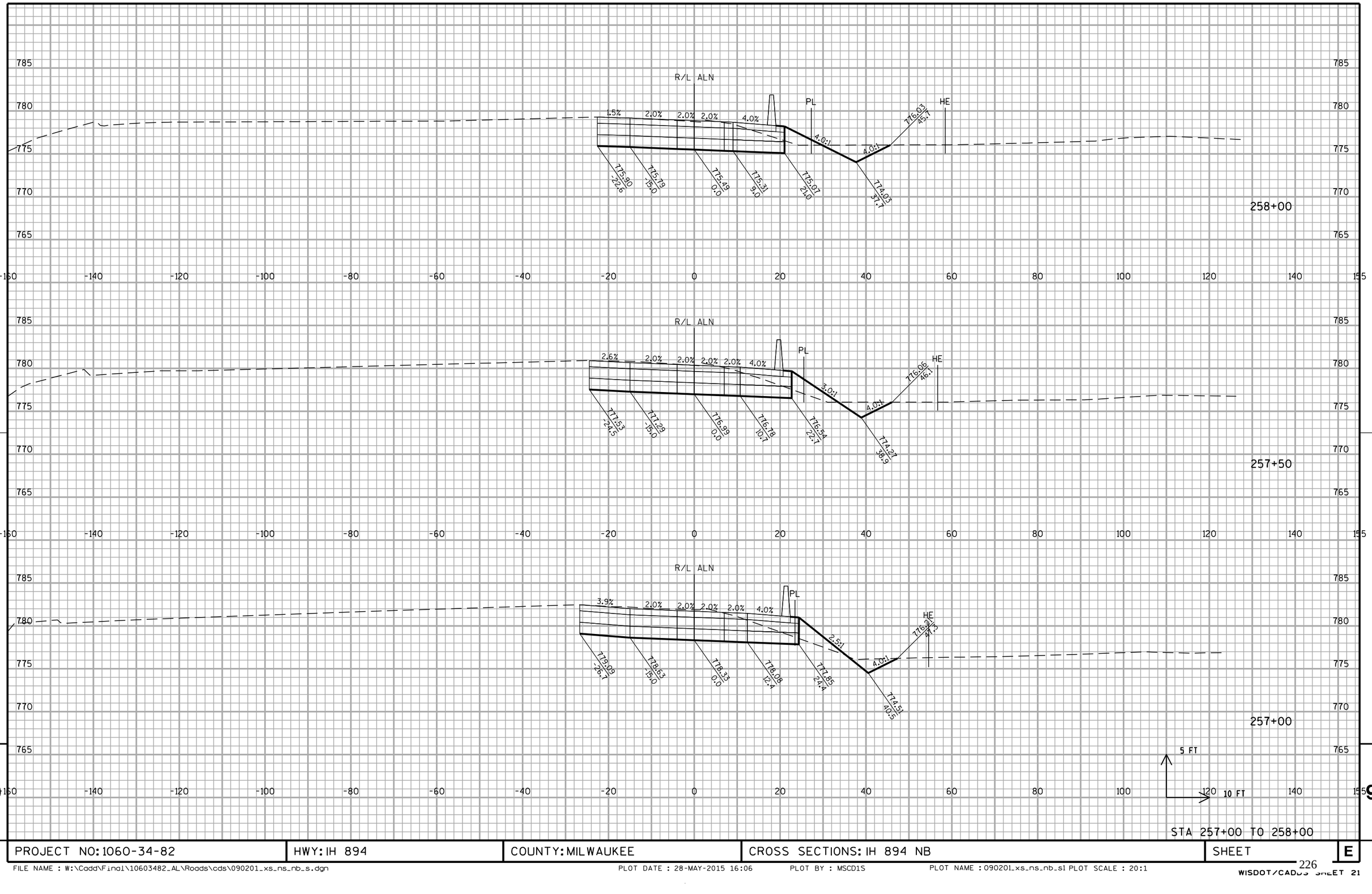
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STA 255+70 TO 256+50

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

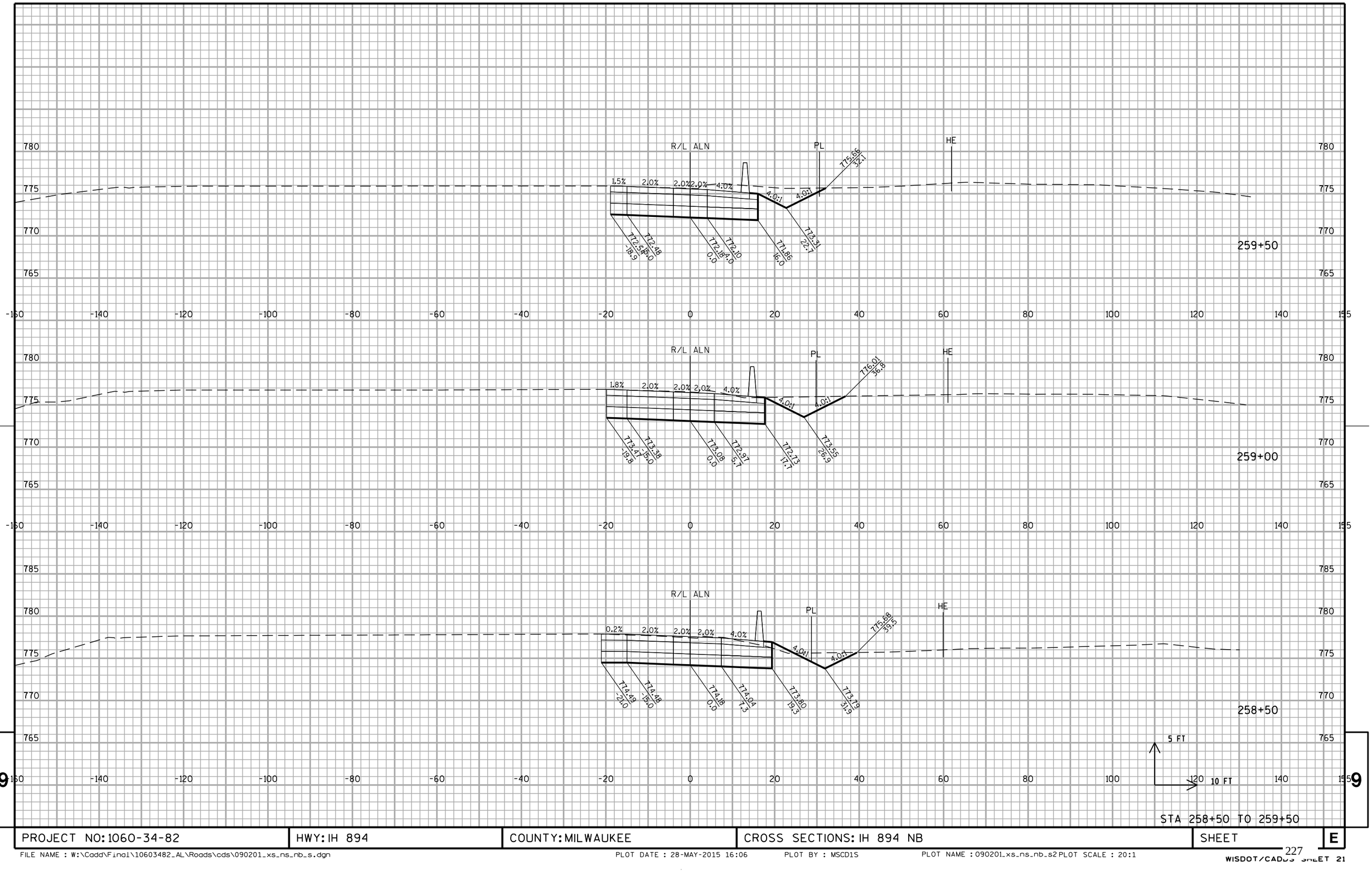
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PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET E

STA 257+00 TO 258+00

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:06 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s1 PLOT SCALE : 20:1



PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

STA 260+00 TO 261+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

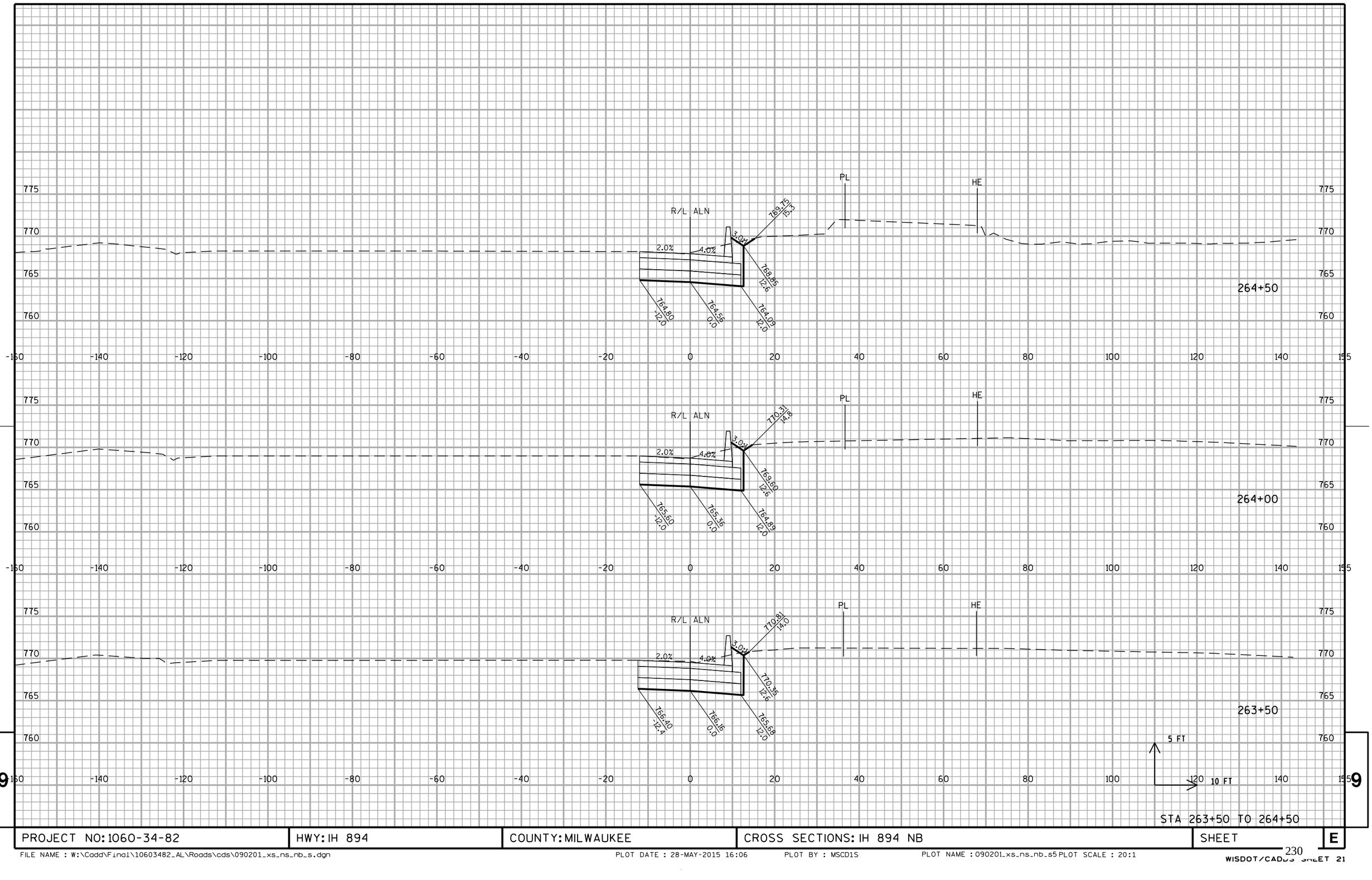
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WISDOT/CADDS SHEET 21

STA 261+50 TO 263+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

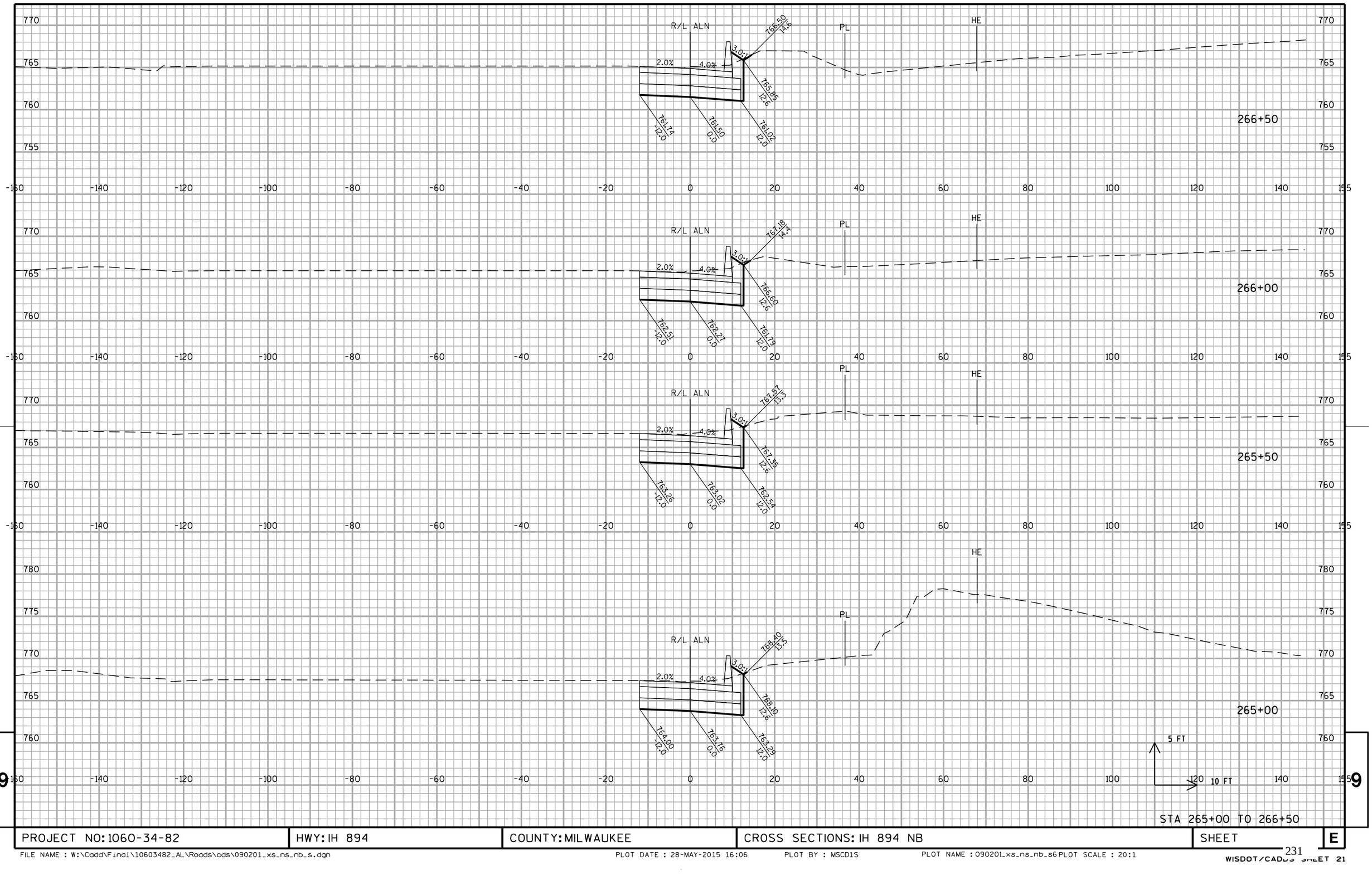
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STA 263+50 TO 264+50

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

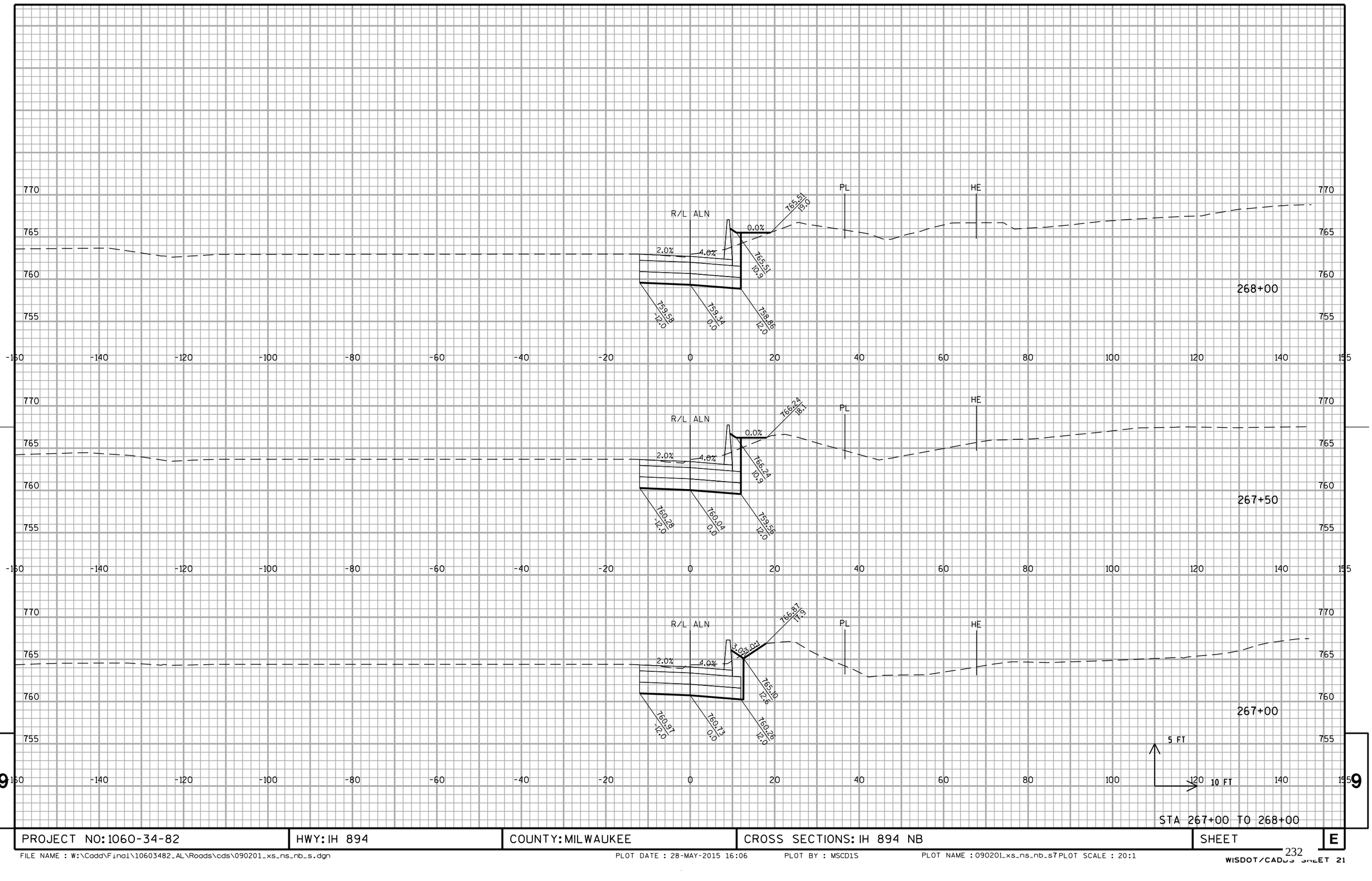
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PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:06 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

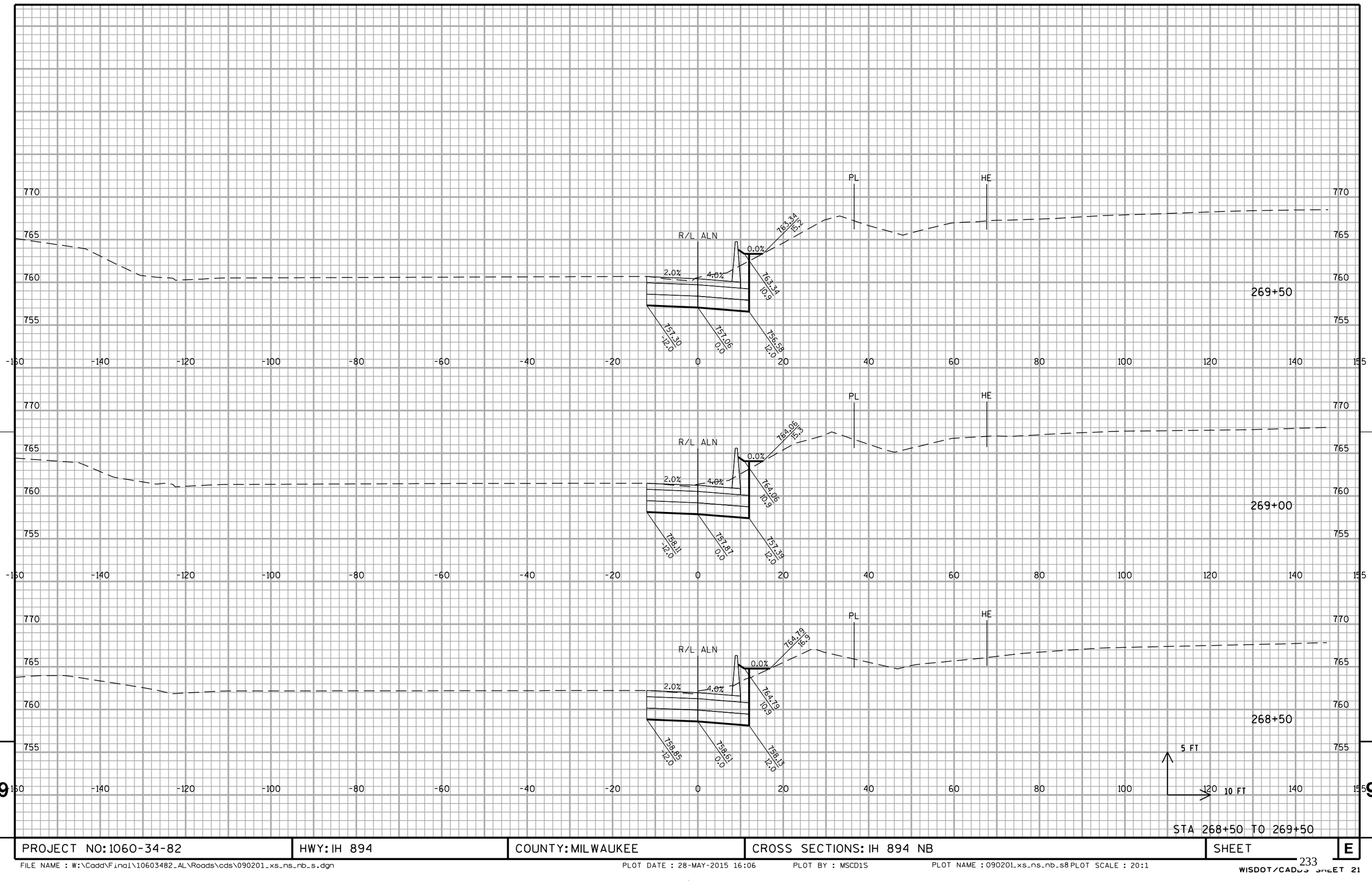


STA 267+00 TO 268+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:06 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s7 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 268+50 TO 269+50

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

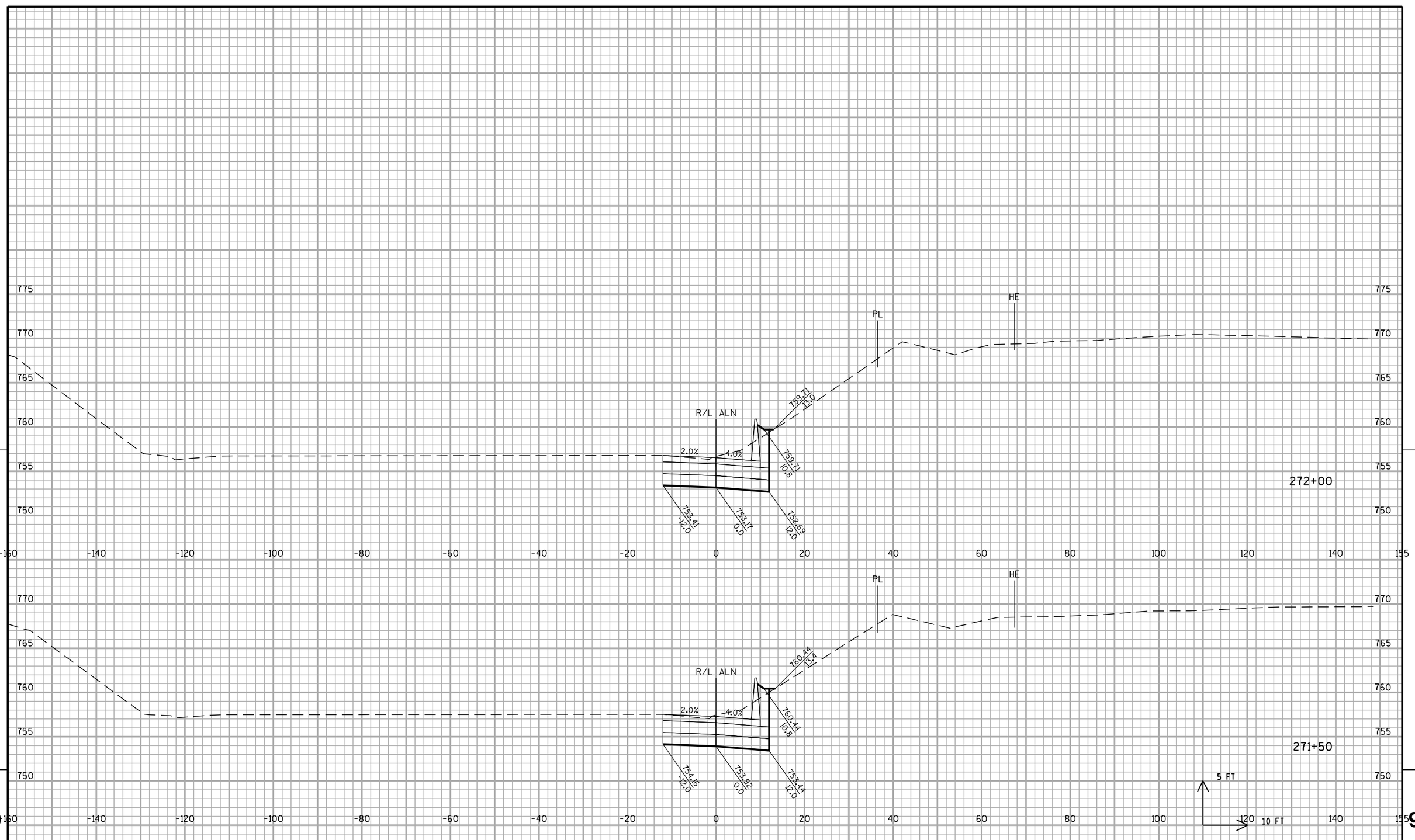
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WISDOT/CADDS SHEET 21

9

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

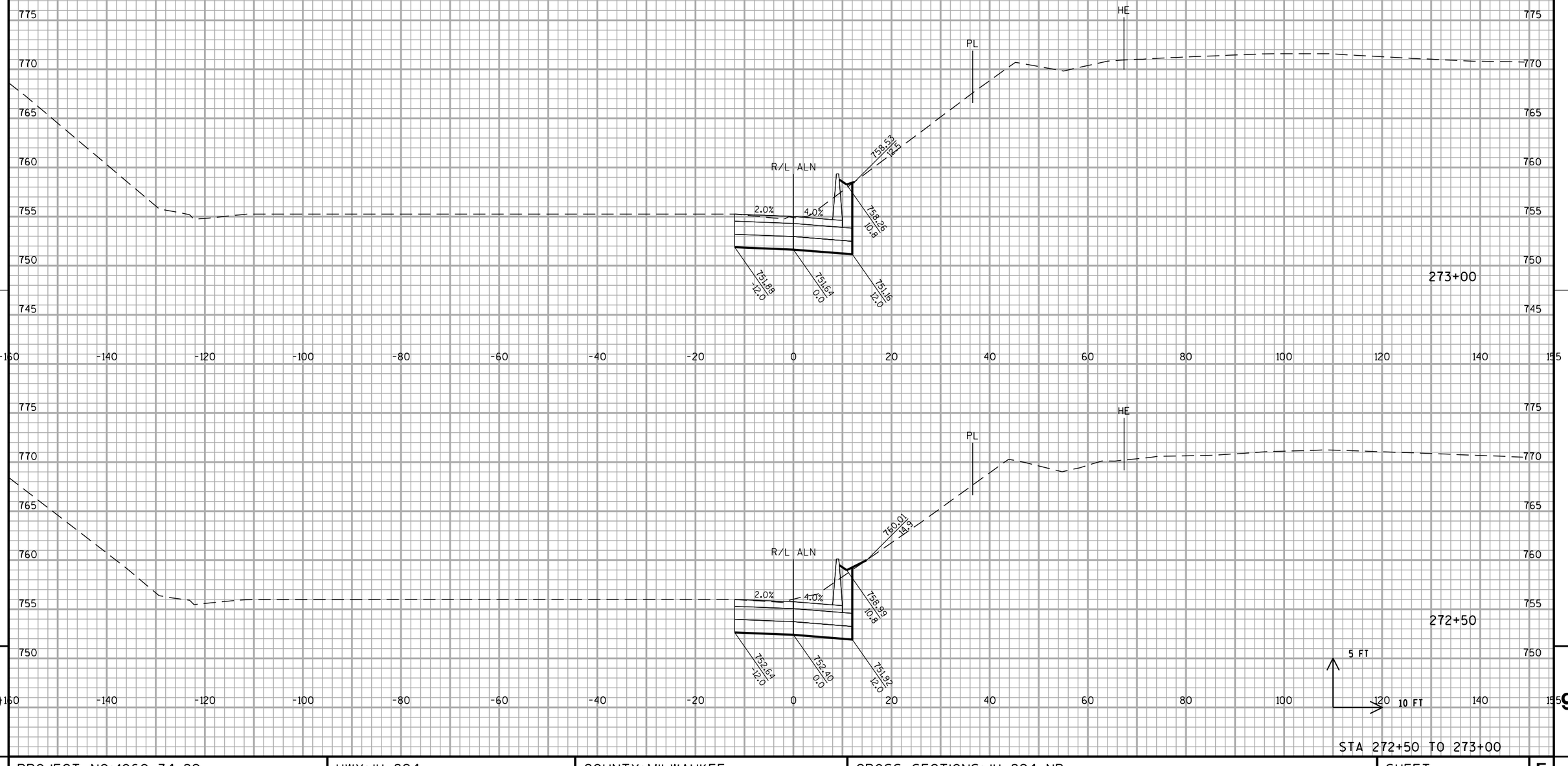
STA 270+00 TO 271+00

9



STA 271+50 TO 272+00

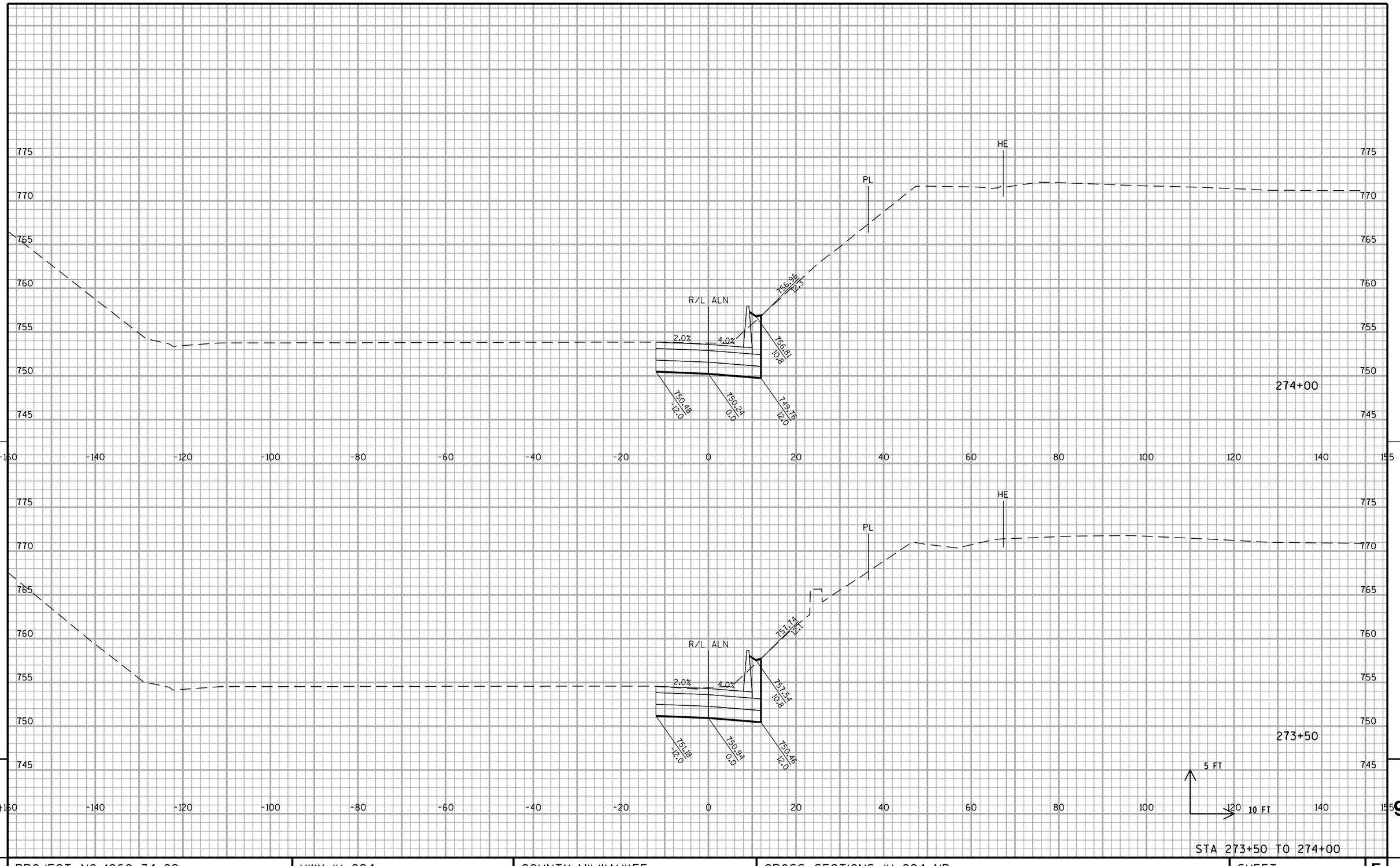
PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E



STA 272+50 TO 273+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

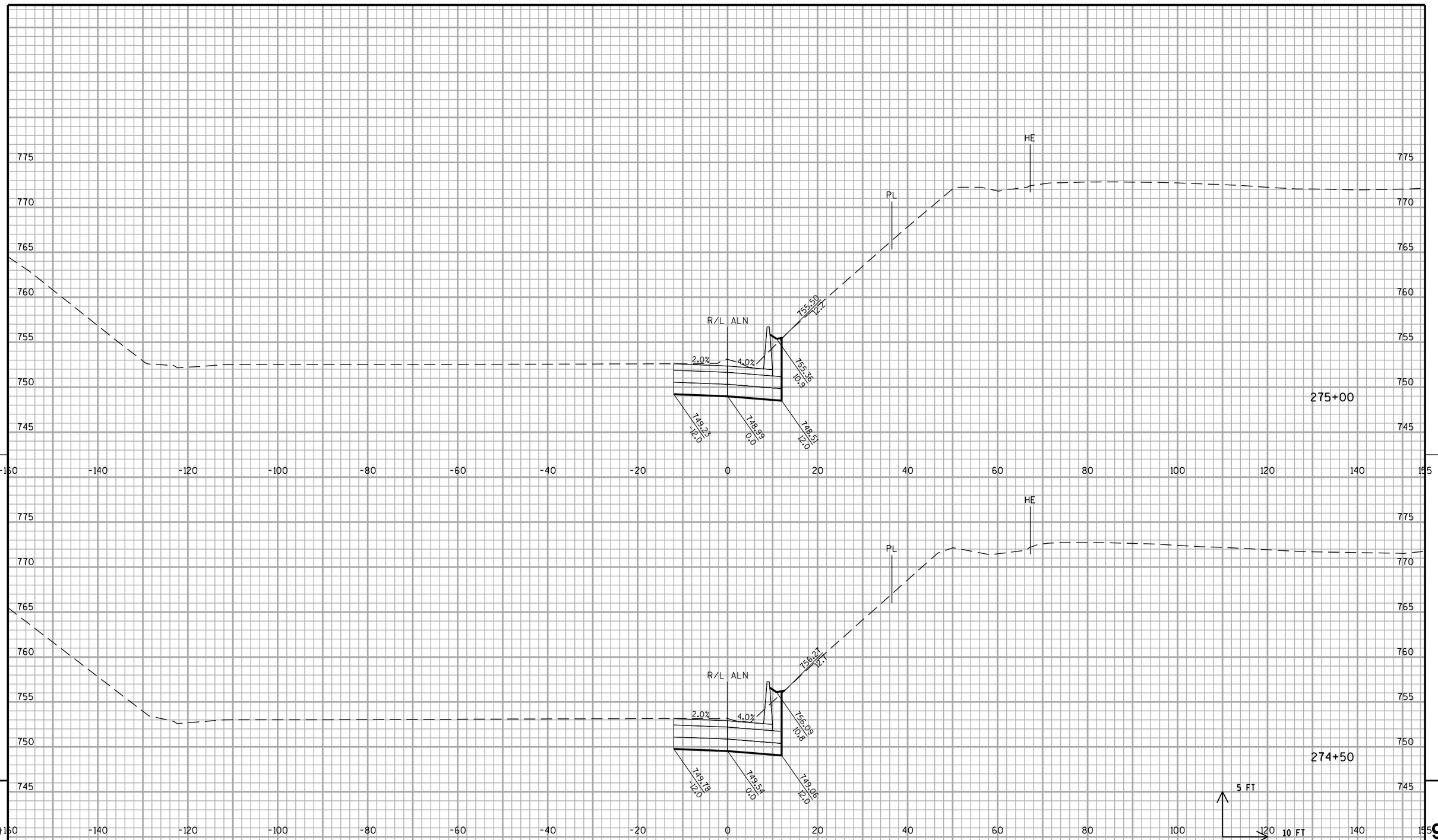
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STA 273+50 TO 274+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:06 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s12PLOT SCALE : 20:1



9

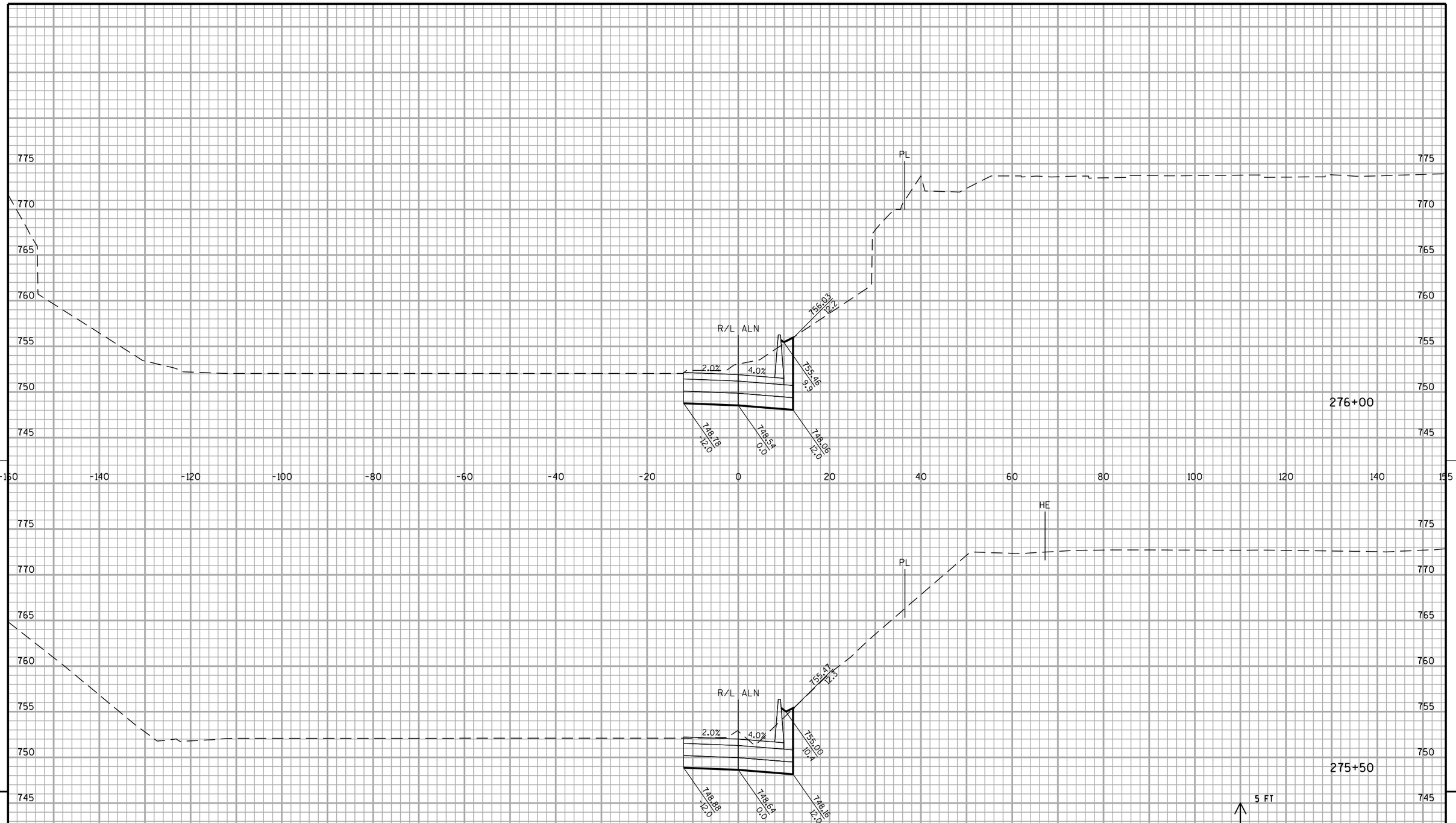
STA 274+50 TO 275+00

9

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:07 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s13 PLOT SCALE : 20:1

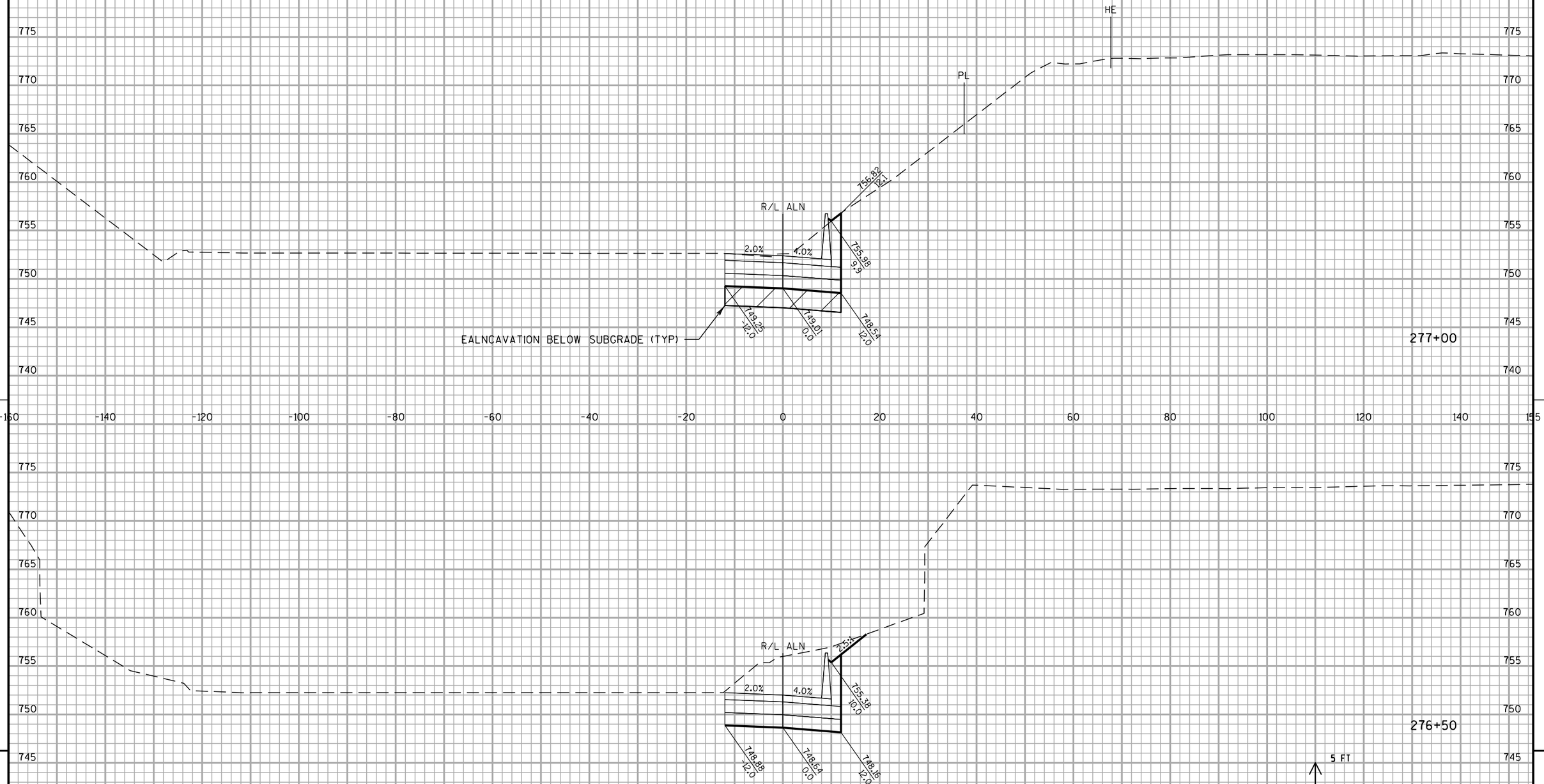
WISDOT/CADDS SHEET 21



STA 275+50 TO 276+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:07 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s14PLOT SCALE : 20:1

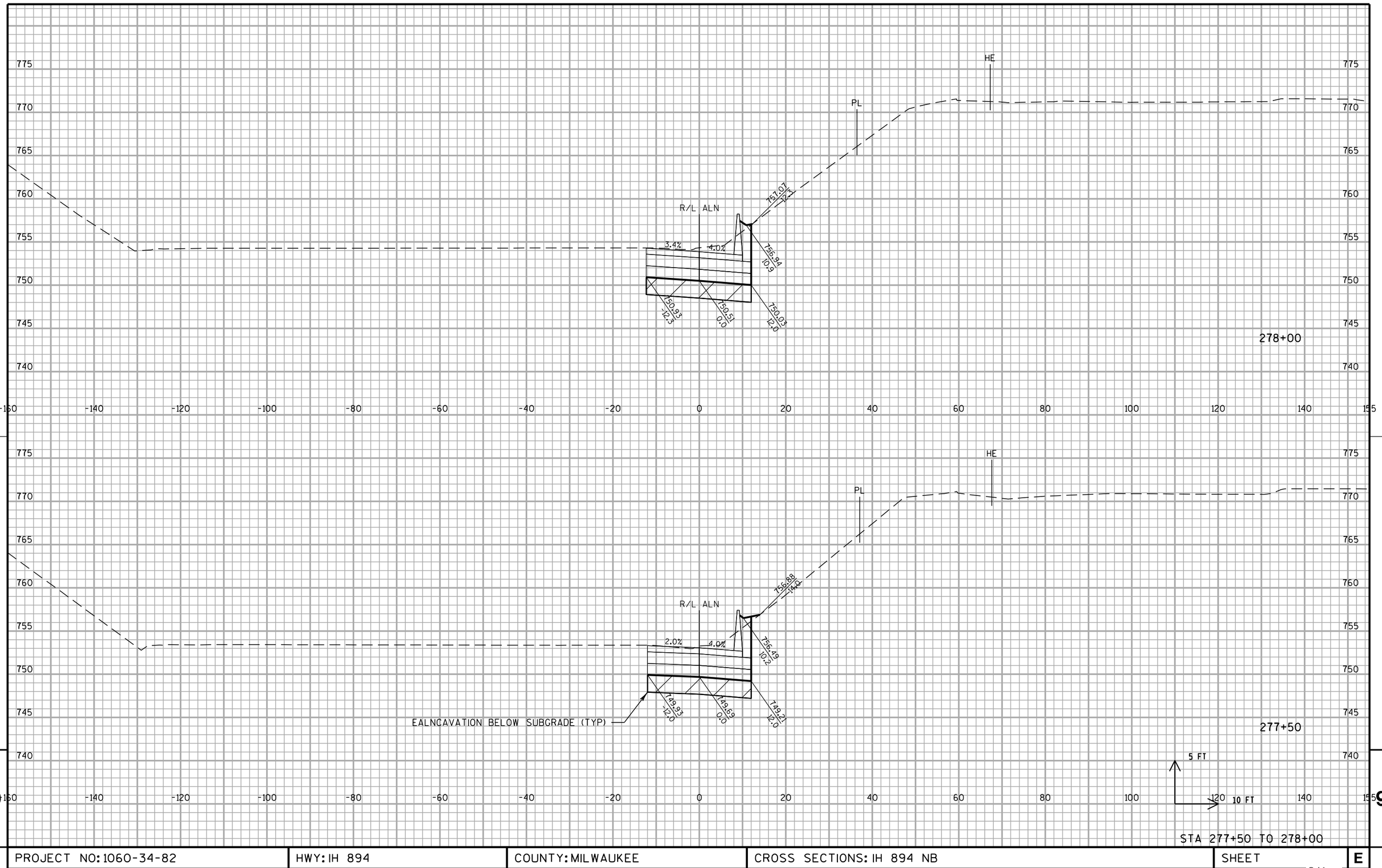


STA 276+50 TO 277+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

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WISDOT/CADDS SHEET 21

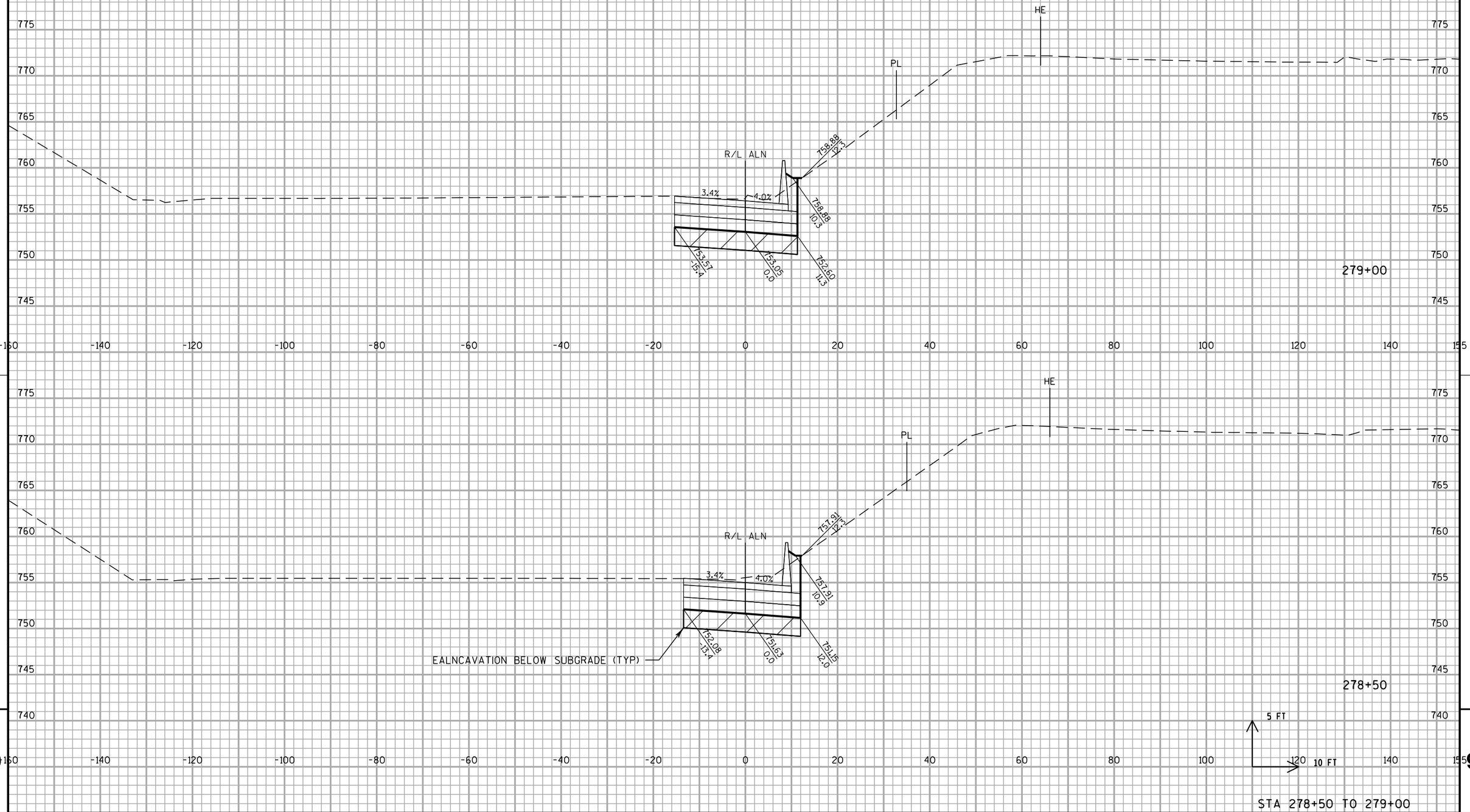


STA 277+50 TO 278+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

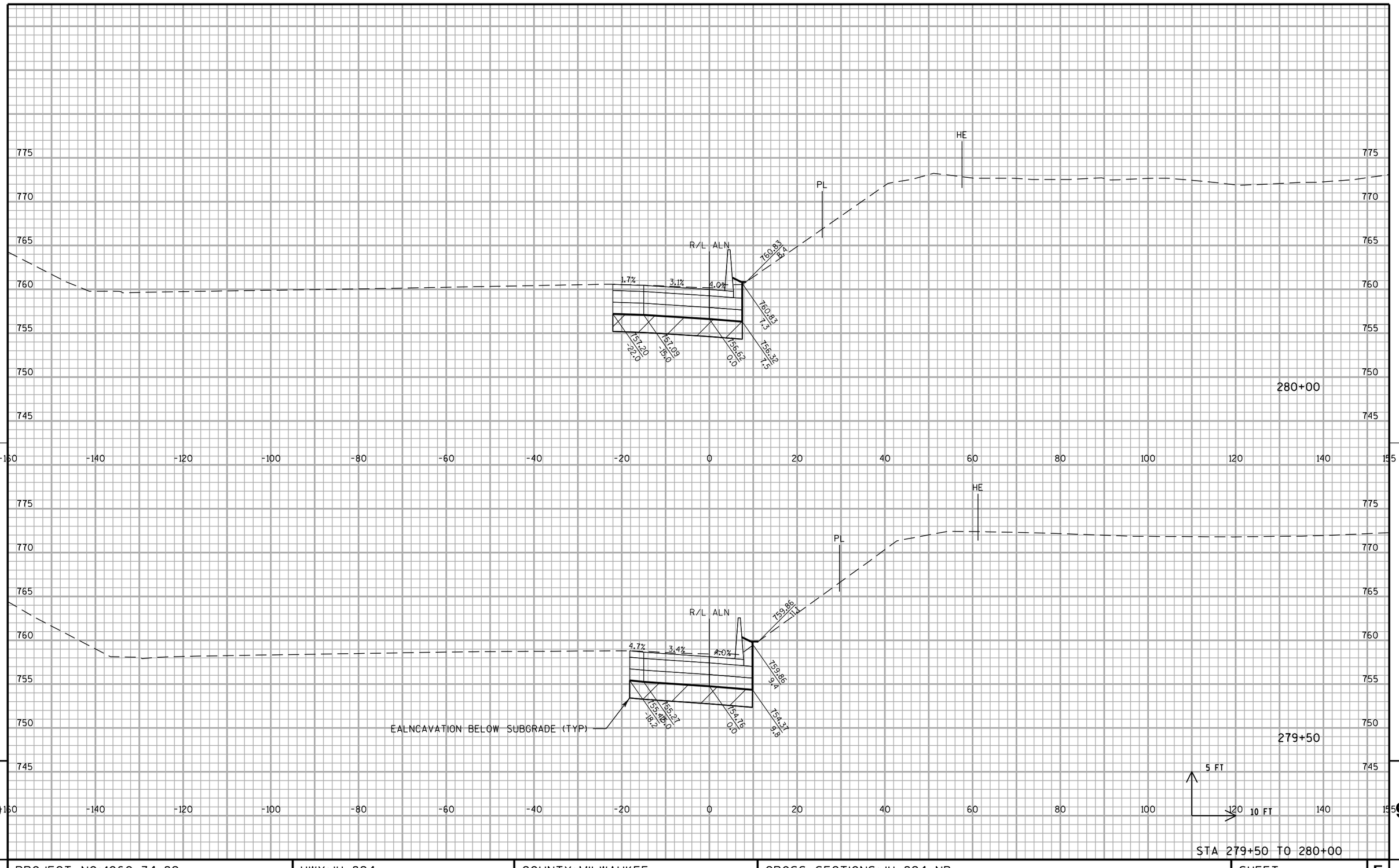
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WISDOT/CADDS SHEET 21



STA 278+50 TO 279+00

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E



9

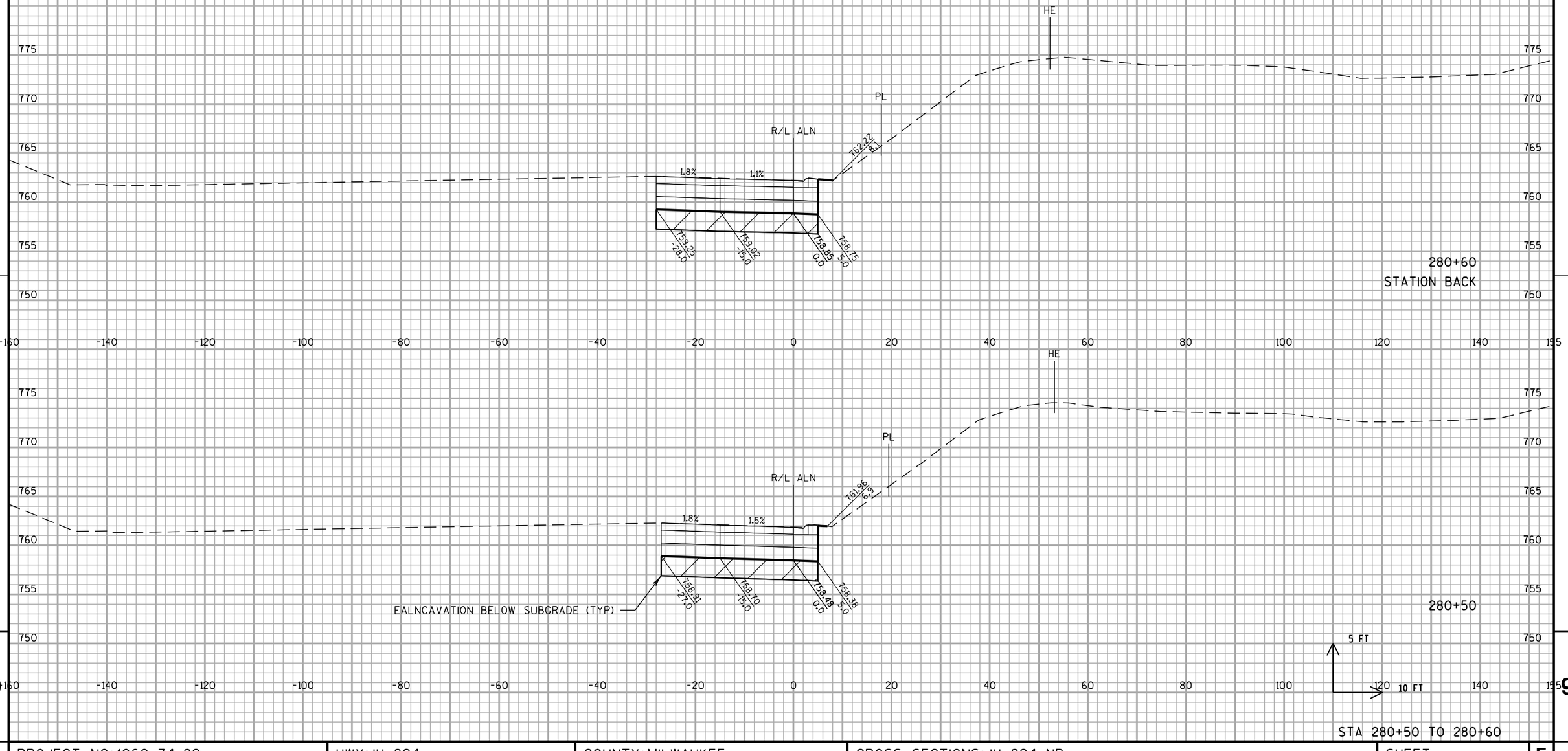
STA 279+50 TO 280+00

9

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:07 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s18PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

PROJECT NO: 1060-34-82	HWY: IH 894	COUNTY: MILWAUKEE	CROSS SECTIONS: IH 894 NB	SHEET	E

9

FILE NAME : W:\Cadd\Final\10603482_AL\Roads\cds\090201_xs_ns_nb_s.dgn PLOT DATE : 28-MAY-2015 16:07 PLOT BY : MSCD1S PLOT NAME : 090201_xs_ns_nb_s19PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

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