GRE MARCH 2018

PROJECT ID: 1420-29-71

COUNTY: FOND DU LAC

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 = 54



28

N

DESIGN DESIGNATION USH 45 CTH Y

A.A.D.T.	2017	=	4200	540
A.A.D.T.	2037	=	4650	560
D.H.V.		=	5.6%	6.2%
D.D.		=	60/40	60/40
T.		=	6.6%	7.4%
DESIGN SPEED		=		
ESALS		=		

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)
- COMBUSTIBLE FLUIDS (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)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FOND DU LAC BYPASS BRIDGE REPAIR

USH 45 - CTH Y

USH 151

FOND DU LAC COUNTY

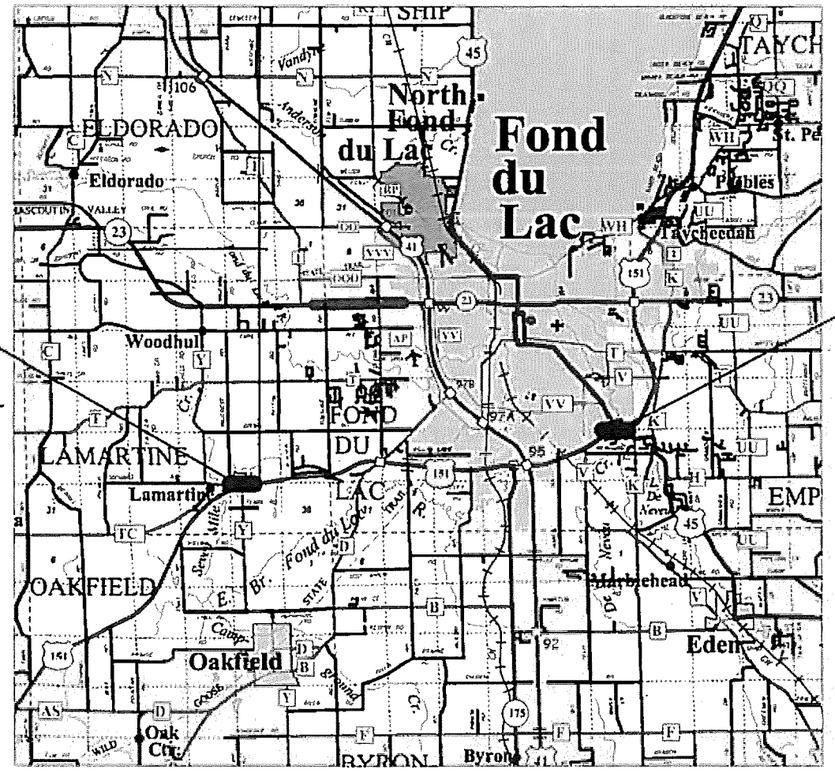
STATE PROJECT NUMBER
1420-29-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1420-29-71		

R-16-E | R-17-E

T-16-N

T-15-N



STRUCTURE B-20-157
CTH Y OVER USH 151
Y= 369324.52
X= 787586.43

STRUCTURE B-20-147
USH 45 OVER USH 151
Y= 374501.45
X= 827492.43

LAYOUT
SCALE 0 2 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, FOND DU LAC COUNTY, NAD83 (2011), VERTICAL - NAVD88 (2012) IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ORIGINAL PLANS PREPARED BY
OMNI ASSOCIATES

WISCONSIN
MARGARET A. HAWLEY
E-26879
APPLETON
PROFESSIONAL ENGINEER

10/16/2017

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
- Surveyor: NER
- Designer: OMNI ASSOCIATES
- Project Manager: BRYAN LEARST
- Regional Examiner:
- Regional Supervisor: ROBERT WAGNER

APPROVED FOR THE DEPARTMENT
DATE: 10/16/17 (Signature)

E

GENERAL NOTES

THERE ARE NO KNOWN UTILITY FACILITIES AT CTH Y. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THIS.

DNR LIAISON

JAY SCHIEFELBEIN
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
(920) 360-3784
jeremiah.schiefelbein@wisconsin.gov

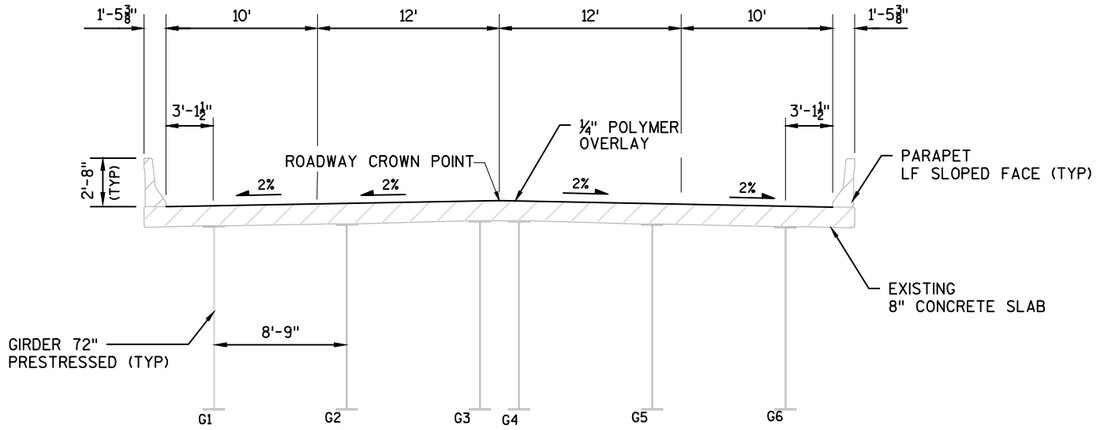
NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-5638
cormac.mcinnis@dot.wi.gov

FOND DU LAC COUNTY SURVEYOR

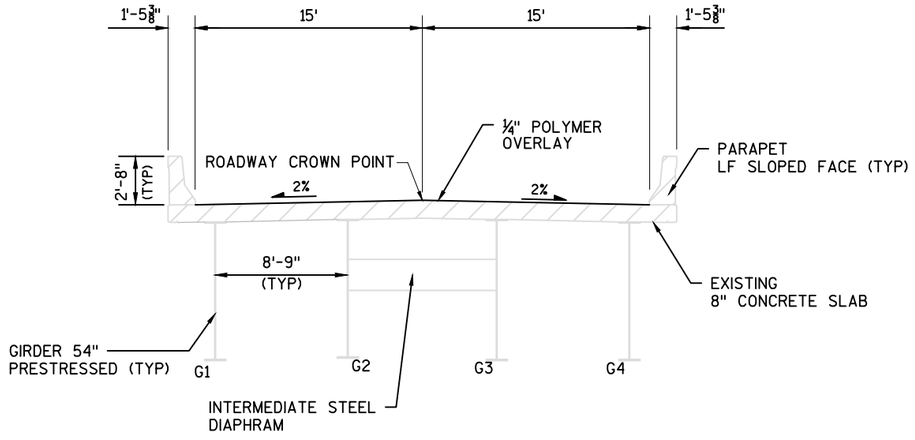
PETER KUEN
301 DIXIE STREET
FOND DU LAC, WI 54935
(920) 929-3492
peter.kuen@fdlco.wi.gov

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com



TYPICAL EXISTING/PROPOSED CROSS SECTION FOR USH 45 AT USH 151

(LOOKING WEST)



TYPICAL EXISTING/PROPOSED CROSS SECTION FOR CTH Y AT USH 151

(LOOKING NORTH)

TRAFFIC CONTROL GENERAL NOTES

1. DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON METHODS OR SEQUENCE OF OPERATIONS.

2. ADJUST SIGN SPACING TO AVOID CONFLICT WITH AND TO PROVIDE A MINIMUM SPACING OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

3. ALL SIGNS SHALL BE 48" x 48" UNLESS OTHERWISE NOTED.

4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

5. ALL DETOUR ASSEMBLIES SHALL HAVE ORANGE DIRECTIONAL ARROWS.

6. ALL TRAFFIC CONTROL SIGNING WILL CONFORM TO PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION & THE WISCONSIN SUPPLEMENT DATED MAY 25, 2011.

7. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF DRUMS.

8. IF LANE CLOSURES ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

9. WARNING LIGHTS SHALL NOT BE WORKING ON "COVERED" OR "DOWNED" SIGN OR BARRICADE.

10. DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" LIGHTS.

11. FOR NIGHTTIME OPERATION, ALL DRUMS IN TAPERS SHALL HAVE A TYPE C WARNING LIGHT.

12. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED APPROXIMATELY 1 MILE IN ADVANCE OF THE PROJECT, ONE WEEK IN ADVANCE OF INITIAL LANE CLOSURE AND AS NEEDED THROUGHOUT THE PROJECT.

13. LAYOUT INFORMATION PROVIDED IS NOT INTENDED TO REPLACE WHAT IS PROVIDED IN APPLICABLE STANDARD DETAIL DRAWINGS.

14. SEE ADDITIONAL TRAFFIC CONTROL DETAIL SHEETS AND STANDARD DETAIL DRAWINGS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.

1420-29-71 CONSTRUCTION STAGING SUMMARY

USH 151 NORTHBOUND TO REMAIN OPEN AT ALL TIMES.
USH 151 SOUTHBOUND WILL REMAIN OPEN FOR MAJORITY OF CONSTRUCTION AT EACH BRIDGE LOCATION WITH THE FOLLOWING EXCEPTIONS:

- ONE NIGHT COMPLETE CLOSURE - DETOUR
- ONE NIGHT COMPLETE CLOSURE - ROLLING CLOSURE
- FOUR SEPARATE DAYS FOR SINGLE LANE CLOSURES (CTH Y)
- SIX SEPARATE DAYS FOR SINGLE LANE CLOSURES (USH 45)

PRAIRIE TRAIL WILL REMAIN OPEN WITH THE FOLLOWING EXCEPTIONS:

- TWO NIGHTS COMPLETE CLOSURE
- THREE SEPARATE DAYS FOUR HOUR MAXIMUM CLOSURE

STAGE 1:

- REMOVE BRIDGE DECK AND PARAPET WALL. REMOVE DAMAGED GIRDER
- CLOSE USH 151 SOUTHBOUND LANES - NIGHT TIME CLOSURE
- USH 151 SOUTHBOUND LANES AT USH 45 TO BE DETOURED VIA STH 23 AND IH 41
- USH 151 SOUTHBOUND LANES AT CTH Y TO BE DETOURED VIA IH 41 AND STH 26
- CLOSE PRAIRIE TRAIL AT USH 45

STAGE 2:

- INSTALL NEW BRIDGE GIRDER
- CLOSE USH 151 SOUTHBOUND LANES BY USE OF A ROLLING CLOSURE - NIGHT TIME CLOSURE
- CLOSE PRAIRIE TRAIL AT USH 45

STAGE 3:

- PLACE AND REMOVE FORMING FOR BRIDGE DECK AND PARAPET WALL
- PLACE CONCRETE STAINING (USH 45)
- USH 151 SOUTHBOUND TO REMAIN OPEN MAINTAINING A MINIMUM OF ONE SOUTHBOUND LANE WITH 16' CLEAR WIDTH
- UTILIZE SDD 15D12a FOR SINGLE LANE CLOSURE
- MOVE SINGLE LANE CLOSURE TO OPPOSITE LANE BASED ON CONSTRUCTION OPERATIONS
- CLOSE PRAIRIE TRAIL AT USH 45 - FOUR HOUR CLOSURE MAXIMUM FOR THREE SEPARATE DAYS



LEGEND:

- WORK ZONE
- TYPE III BARRICADE WITHOUT OR WITH SIGN
- SIGN ON TEMPORARY SUPPORT

N

① MAINLINE CLOSURE SEE SDD 15C2 DETAIL A AND D

② MAINLINE CLOSURE SEE SDD 15C2 DETAIL A AND E

③ MAINLINE CLOSURE SEE SDD 15C2 DETAIL C

④ SOUTHBOUND SINGLE LANE CLOSURE - SEE SDD 15D12A FOR USE DURING FORM PLACEMENT AND REMOVAL

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	TRAFFIC CONTROL - CTH Y	SHEET 5	E

FILE NAME : F:\TR\JOBS\E2284A17\CIVIL 3D 2014\SHEETSPLAN\142029-025001-TC.DWG
LAYOUT NAME - ****
14202971_025001_tc
PLOT DATE : 8/10/2017 9:31 AM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	TRAFFIC CONTROL - USH 45	SHEET 6	E

2



LEGEND:

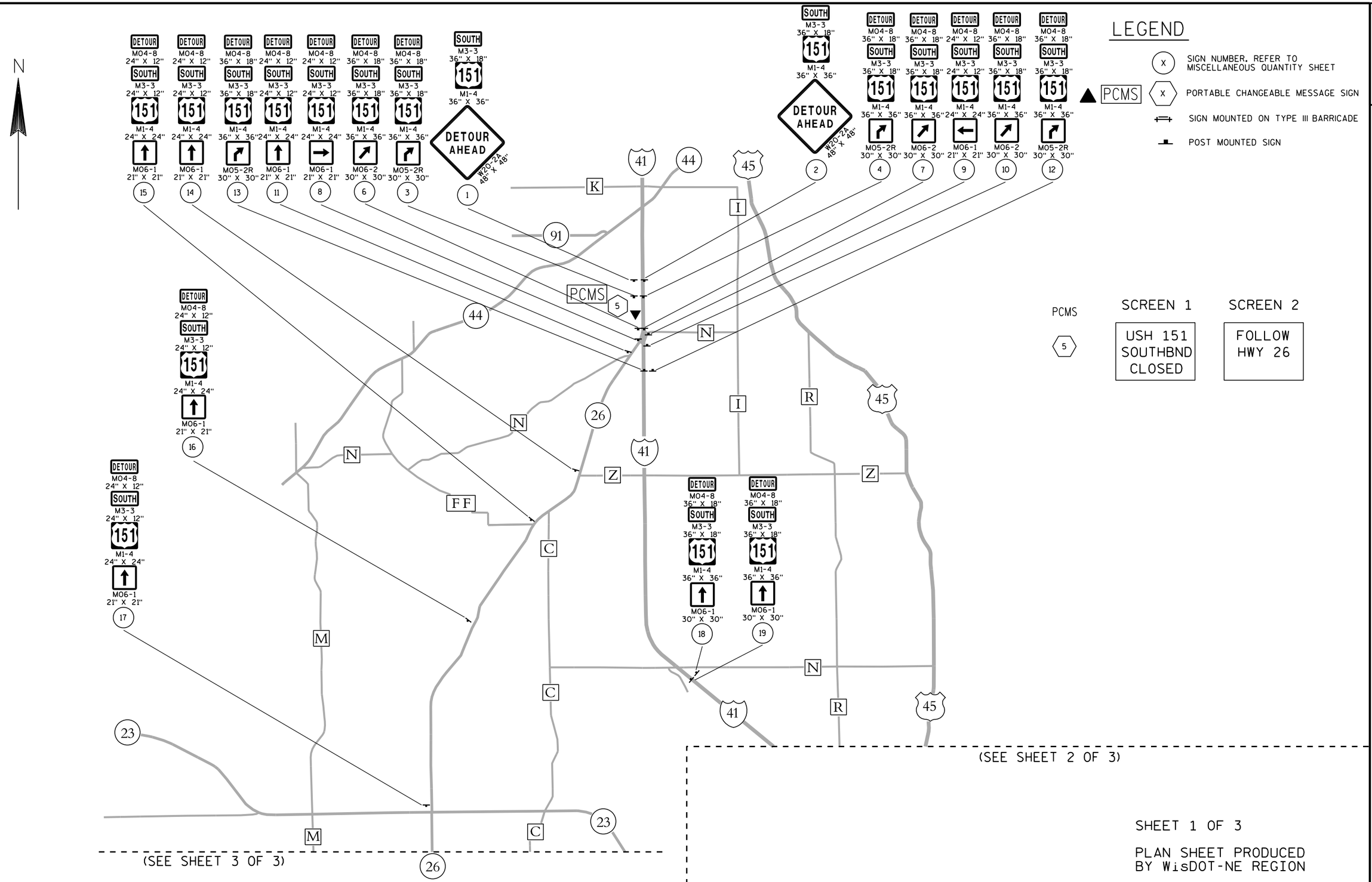
- WORK ZONE
- TYPE III BARRICADE WITHOUT OR WITH SIGN
- SIGN ON TEMPORARY SUPPORT

N

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	TRAFFIC CONTROL - PRAIRIE TRAIL AT USH 45	SHEET 7	E

FILE NAME : F:\TR\JOBS\E2284A17\CIVIL 3D 2014\SHEETSPLAN\142029-025003-TC.DWG
LAYOUT NAME - ****
14202971_025003_tc

PLOT DATE : 8/8/2017 12:12 PM PLOT BY : CRAIG KNUTH PLOT NAME : PLOT SCALE : **********



LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

PCMS	SCREEN 1	SCREEN 2
5	USH 151 SOUTHBND CLOSED	FOLLOW HWY 26

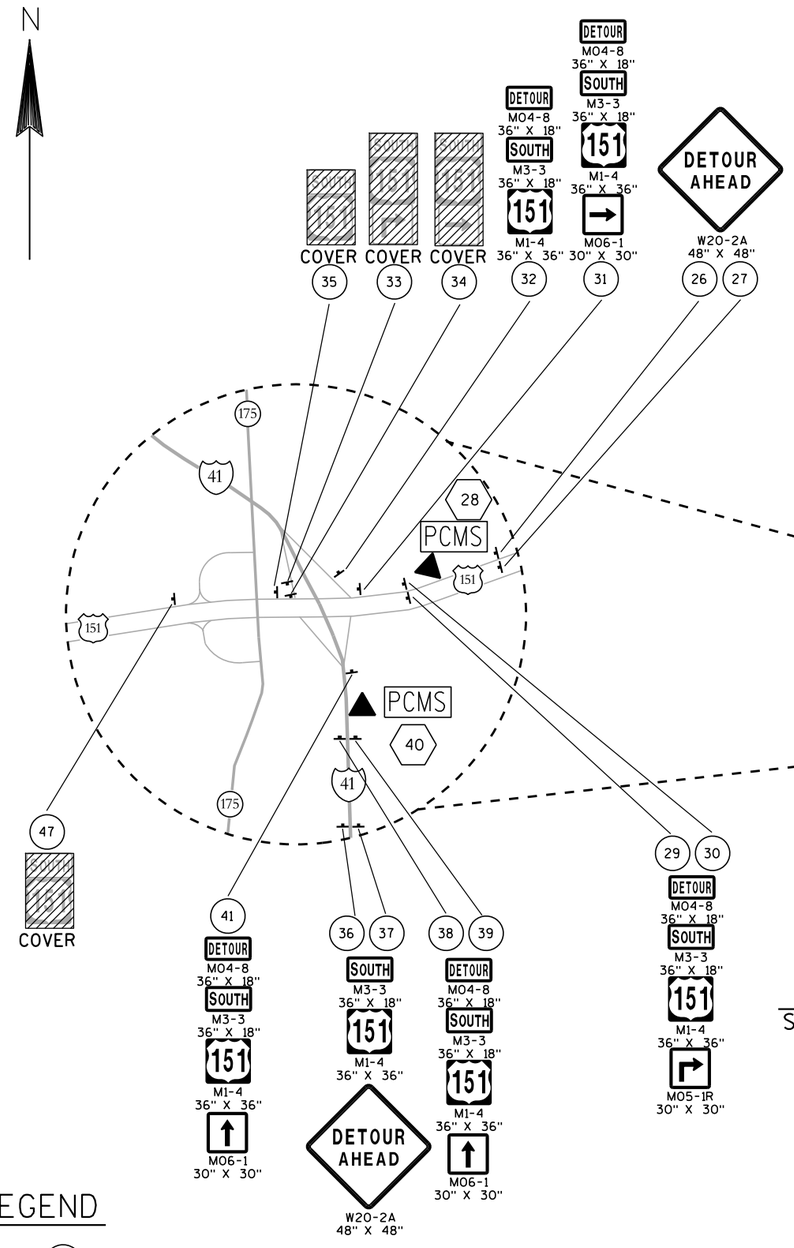
SHEET 1 OF 3

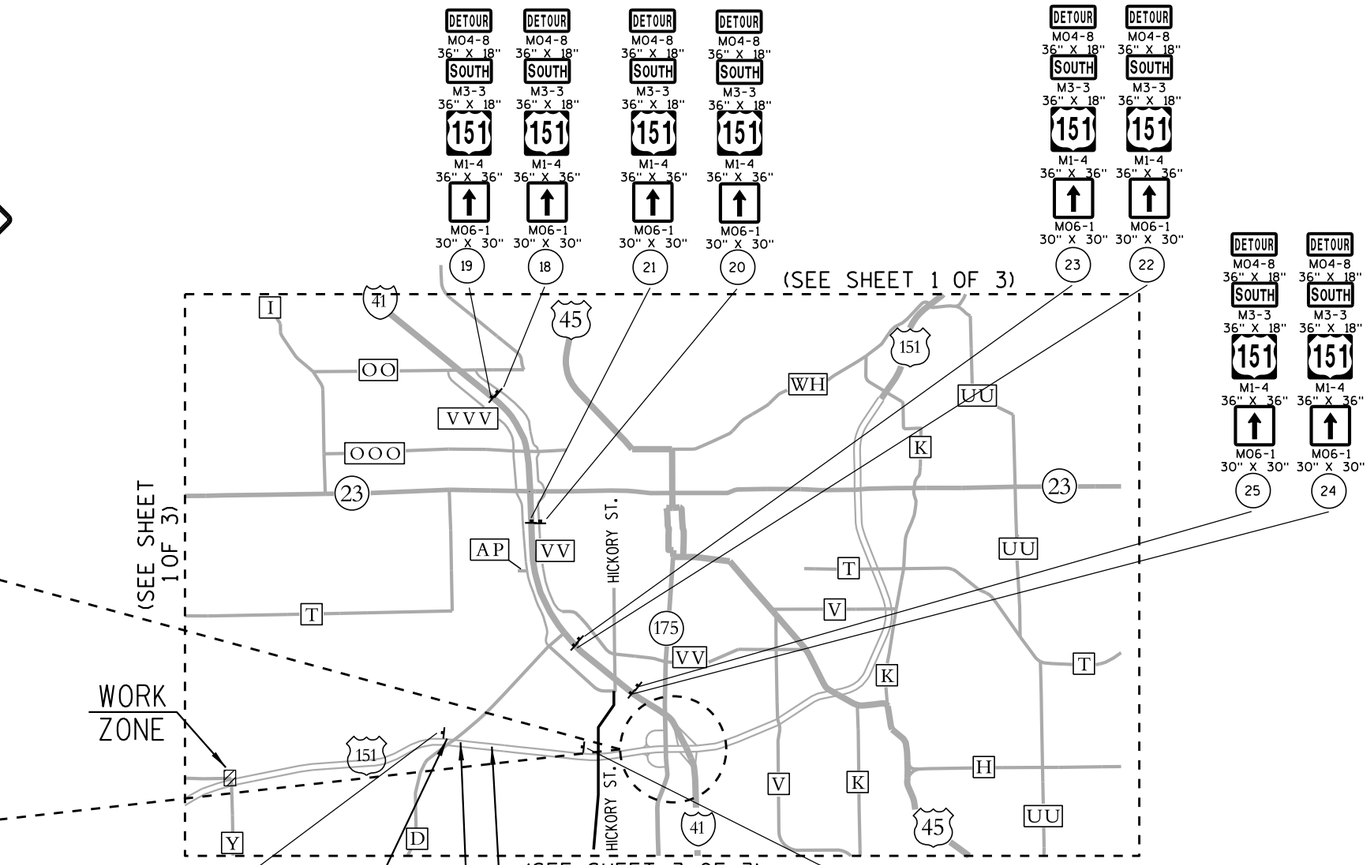
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL - CTH Y	SHEET 8	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Fond du Lac County\US 151\CTH Y Girder Repair\027001_dt.dgn PLOT DATE : 08-AUG-2017 09:55 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 10000:1

WISDOT/CADDS SHEET 42





PCMS	SCREEN 1	SCREEN 2
40	USH 151 SOUTHBND CLOSED	CONTINUE ON 41 TO HWY 26
28	USH 151 CLOSED AHEAD	USE HWY 41 TO 26

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 2 OF 3

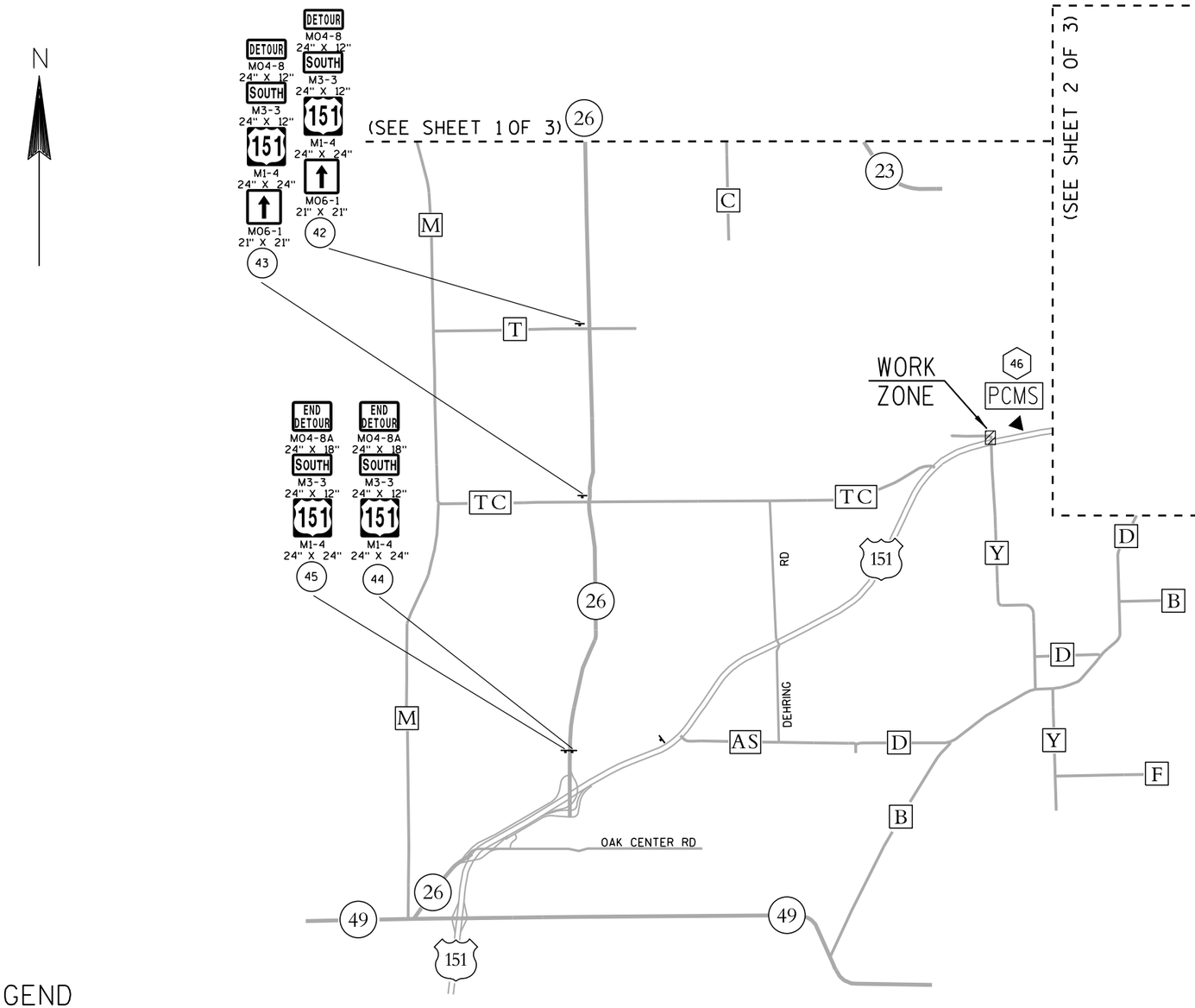
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL - CTH Y	SHEET 9	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Fond du Lac County\US 151\CTH Y Girder Repair\027002_dt.dgn PLOT DATE : 08-AUG-2017 09:55 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 10000:1

WISDOT/CADDS SHEET 42

2



PCMS	SCREEN 1	SCREEN 2
46	ROAD TO CLOSE	DAY DATE TIME

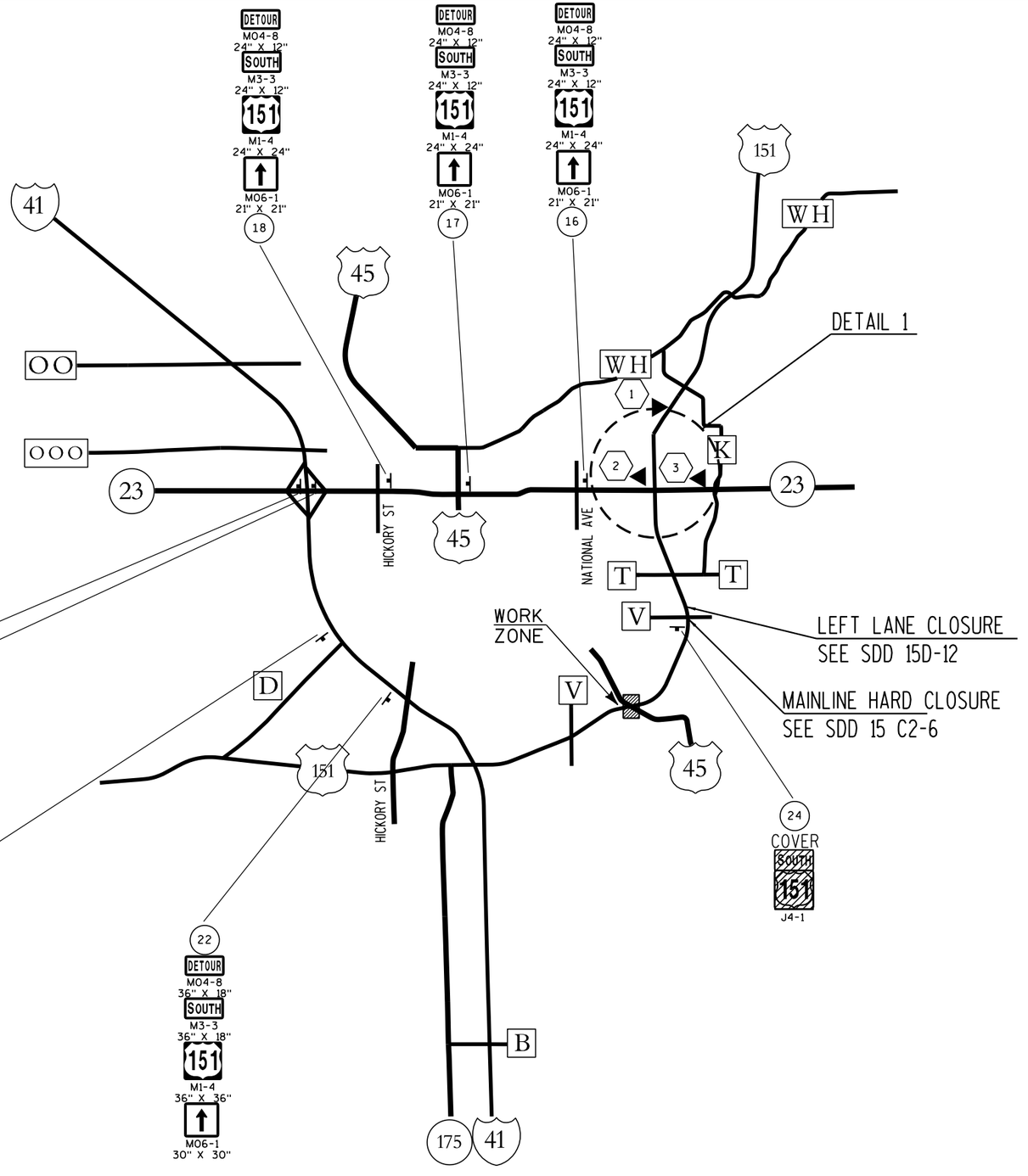
LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 3 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL - CTH Y	SHEET 10	E



N

PCMS	SCREEN 1	SCREEN 2
1 3-DAY PRIOR	USH 151 TO CLOSE	DAY MONTH XX TIME
1 DURING CLOSURE	USH 151 SOUTHBND TRAFFIC	MUST EXIT AT STH 23
2 3	USH 151 SOUTHBND TRAFFIC	FOLLOW 23 TO I-41 S

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

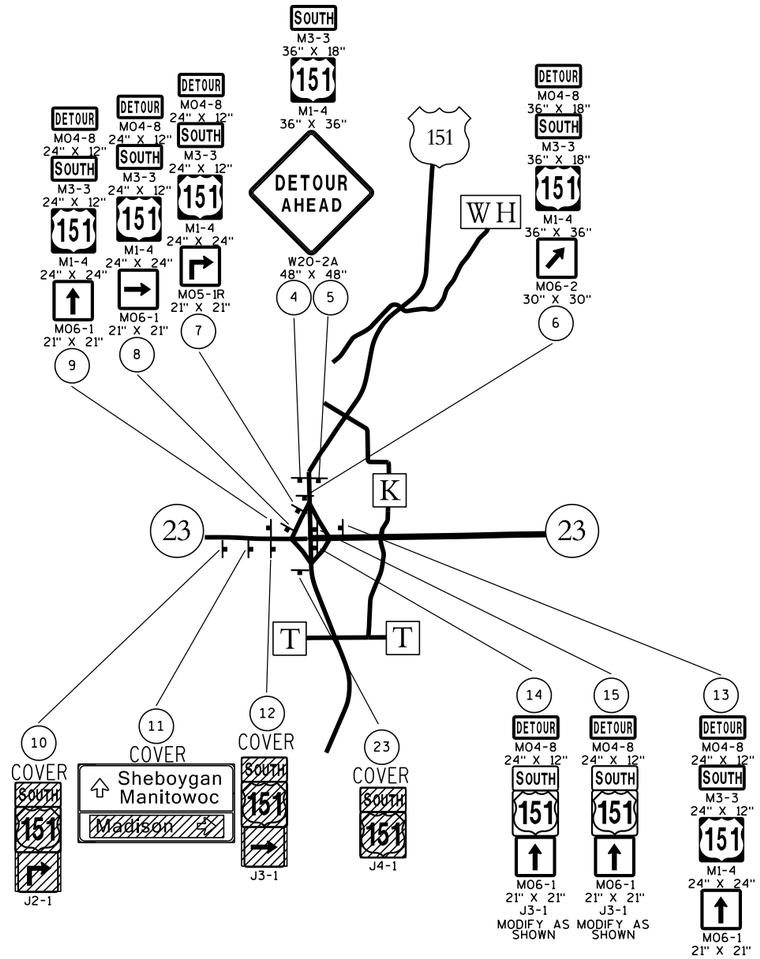
SHEET 1 OF 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL - USH 45	SHEET 11	E

2

N



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 1

SHEET 2 OF 2

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL - USH 45	SHEET 12	E

1420-29-71

Line	Item	Item Description	Unit	Total	Qty
0040	203.0200	Removing Old Structure (station) 15. 50+00	LS	1.000	1.000
0042	203.0200	Removing Old Structure (station) 16. 60+90	LS	1.000	1.000
0046	204.0100	Removing Pavement	SY	50.000	50.000
0048	204.0110	Removing Asphaltic Surface	SY	230.000	230.000
0078	213.0100	Finishing Roadway (project) 02. 1420-29-71	EACH	1.000	1.000
0082	305.0110	Base Aggregate Dense 3/4-Inch	TON	30.000	30.000
0090	415.0080	Concrete Pavement 8-Inch	SY	54.000	54.000
0092	415.0410	Concrete Pavement Approach Slab	SY	139.000	139.000
0094	416.0610	Drilled Tie Bars	EACH	2.000	2.000
0100	455.0605	Tack Coat	GAL	6.000	6.000
0102	460.2000	Incentive Density HMA Pavement	DOL	10.000	10.000
0106	460.2010	Incentive Air Voids HMA Pavement	DOL	10.000	10.000
0110	460.5223	HMA Pavement 3 LT 58-28 S	TON	16.000	16.000
0112	460.5224	HMA Pavement 4 LT 58-28 S	TON	8.000	8.000
0120	502.0100	Concrete Masonry Bridges	CY	144.000	144.000
0124	502.3210	Pigmented Surface Sealer	SY	152.000	152.000
0128	503.0155	Prestressed Girder Type I 54W-Inch	LF	208.000	208.000
0130	503.0172	Prestressed Girder Type I 72W-Inch	LF	149.000	149.000
0136	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	25,155.000	25,155.000
0138	505.0908	Bar Couplers No. 8	EACH	24.000	24.000
0140	505.0911	Bar Couplers No. 11	EACH	12.000	12.000
0142	509.5100.S	Polymer Overlay	SY	2,187.000	2,187.000
0146	516.0500	Rubberized Membrane Waterproofing	SY	4.000	4.000
0150	517.1015.S	Concrete Staining Multi-Color (structure) 01. B-20-147	SF	310.000	310.000
0152	517.1050.S	Architectural Surface Treatment (structure) 01. B-20-147	SF	3,110.000	3,110.000
0274	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1420-29-71	EACH	1.000	1.000
0276	619.1000	Mobilization	EACH	0.250	0.250
0292	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0294	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0306	628.7015	Inlet Protection Type C	EACH	1.000	1.000
0312	628.7570	Rock Bags	EACH	20.000	20.000
0348	643.0300	Traffic Control Drums	DAY	595.000	595.000
0352	643.0420	Traffic Control Barricades Type III	DAY	692.000	692.000
0354	643.0705	Traffic Control Warning Lights Type A	DAY	1,384.000	1,384.000
0356	643.0715	Traffic Control Warning Lights Type C	DAY	188.000	188.000
0358	643.0800	Traffic Control Arrow Boards	DAY	24.000	24.000
0360	643.0900	Traffic Control Signs	DAY	501.000	501.000
0364	643.0920	Traffic Control Covering Signs Type II	EACH	11.000	11.000

1420-29-71

Line	Item	Item Description	Unit	Total	Qty
0366	643.1000	Traffic Control Signs Fixed Message	SF	8.750	8.750
0368	643.1050	Traffic Control Signs PCMS	DAY	13.000	13.000
0370	643.5000	Traffic Control	EACH	0.250	0.250
0378	646.1020	Marking Line Epoxy 4-Inch	LF	647.000	647.000
0408	650.9910	Construction Staking Supplemental Control (project) 02. 1420-29-71	LS	1.000	1.000
0412	690.0150	Sawing Asphalt	LF	78.000	78.000
0414	690.0250	Sawing Concrete	LF	6.000	6.000
0416	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
0418	715.0502	Incentive Strength Concrete Structures	DOL	865.000	865.000

3

REMOVING PAVEMENT

STATION TO STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	REMARKS
CATEGORY 0010			
61+92 - 62+13	CTH Y	50	INCLUDES CONCRETE APPROACH SLAB
	TOTALS	**50**	

REMOVING ASPHALTIC SURFACE

STATION TO STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY
CATEGORY 0010		
62+13 - 62+23	CTH Y	30
51+25 - 51+95	USH 45	200
	TOTALS	**230**

BASE AGGREGATE DENSE

STATION TO STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON
CATEGORY 0010		
UNDISTRIBUTED	CTH Y	10
UNDISTRIBUTED	USH 45	20
	TOTALS	**30**

CONCRETE PAVEMENT

STATION TO STATION	LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	416.061 DRILLED TIE BARS SY
CATERGORY 0010				
61+92 - 62+13	CTH Y	3	30	2
51+25 - 51+85	USH 45	51	109	
	TOTALS	**54**	**139**	**2**

ASPHALTIC ITEMS

STATION TO STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON
CATEGORY 0010				
62+13 - 62+23	CTH Y	2	5	3
51+85 - 51+95	USH 45	4	11	5
	TOTALS	**6**	**16**	**8**

EROSION CONTROL ITEMS

STATION TO STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7570 ROCK BAGS EACH	628.7015 INLET PROTECTION TYPE C EACH
CATEGORY 0010					
UNDISTRIBUTED	CTH Y	1	1	10	---
UNDISTRIBUTED	USH 45	1	1	10	1
	TOTALS	**2**	**2**	**20**	**1**

PAVEMENT MARKING

ROADWAY	646.1020 LINE EPOXY 4-INCH (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (WHITE) LF
CATEGORY 0010		
USH 45	86	236
CTH Y	58	267
SUBTOTAL	144	503
TOTAL	**647**	

SAWING

LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
CATEGORY 0010		
CTH Y	34	6
USH 45	44	---
TOTAL	**78**	**6**

TRAFFIC CONTROL

LOCATION		APPROX. SERVICE PERIOD	643.0300 DRUMS		643.0420 BARRICADES TYPE III		643.0705 WARNING LIGHTS TYPE A		643.0715 WARNING LIGHTS TYPE C		643.0800 ARROW BOARDS		643.0900 SIGNS **		643.1000 SIGNS FIXED MESSAGE	REMARKS
		DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	SF	
PROJECT 1420-29-71 CATEGORY 0010																
CTH Y	USH 151 SINGLE LANE CLOSURE AT CTH D DURING DETOUR	1	54	54	7	7	14	14	26	26	2	2	13	13	--	SDD 15D12
	USH 151 SOUTH OF CTH D DURING DETOUR	1	--	--	9	9	18	18	--	--	--	--	5	5	--	SDD 15C2 DETAIL D AND E
	USH 151 SINGLE LANE CLOSURE SB INSIDE LANE	2	44	88	2	4	4	8	16	32	2	4	12	24	--	SDD 15D12
	USH 151 SINGLE LANE CLOSURE SB OUTSIDE LANE	2	44	88	2	4	4	8	16	32	2	4	12	24	--	SDD 15D12
	CTH Y CLOSURE	31	--	--	10	310	20	620	--	--	--	--	2	62	--	SDD15C2 DETAIL D
USH 45	USH 151 SINGLE LANE CLOSURE AT CTH V DURING DETOUR	1	42	42	2	2	4	4	14	14	2	2	12	12	--	SDD 15D12
	USH 151 CLOSURE AT CTH V DURING DETOUR	1	17	17	10	10	20	20	--	--	--	--	5	5	--	SDD 15C2 DETAIL D, SDD 15D21 DETAIL C
	USH 151 SINGLE LANE CLOSURE SB INSIDE LANE	3	42	126	2	6	4	12	14	42	2	6	12	36	--	SDD 15D12
	USH 151 SINGLE LANE CLOSURE SB OUTSIDE LANE	3	42	126	2	6	4	12	14	42	2	6	12	36	--	SDD 15D12
	CTH V EB AT USH 151 CLOSURE DURING DETOUR	1	--	--	5	5	10	10	--	--	--	--	3	3	--	SDD 15C3 DETAIL 1
	USH 45 CLOSURE	26	--	--	10	260	20	520	--	--	--	--	2	52	--	SDD15C2 DETAIL D
	PRAIRIE TRAIL CLOSURE	3	--	--	2	6	4	12	--	--	--	--	--	--	8.75	
SUBTOTALS				541		629		1258		188		24		272	8.75	
UNDISTRIBUTED				54		63		126		19		2		27	--	
TOTALS				**595**		**692**		**1,384**		**188**		**24**		**299**	**8.75**	

** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL DETOUR SIGN SUMMARY SHEETS

ASPHALT INCENTIVE DENSITY (FOR INFORMATION ONLY)

Station	to	Station	Alignment	Location	Mixture Use:	HMA Type	Eligible Tons	Quality Management Program	
								PWL Incentive Air Voids HMA Pavement	Density Acceptance or Incentive
PROJECT 1420-29-71 CATEGORY 0010									
62+13	-	62+23	CTH Y	12 Foot Driving Lanes	Upper Layer	4 LT 58-28S	3	Yes	Acceptance testing by the department; Not eligible for incentive
62+13	-	62+23	CTH Y	Shoulder	Lower Layer	3 LT 58-28S	5	No	Incentive Density HMA Pavement
51+85	-	51+95	USH 45	12 foot Driving Lanes and Shoulder	Upper Layer	4 LT 58-28S	5	Yes	Acceptance testing by the department; Not eligible for incentive
51+85	-	51+95	USH 45	Side Road	Lower Layer	3 LT 58-28S	11	No	Incentive Density HMA Pavement

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 1 DAYS	643.0900 SIGNS ** DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	I-41 SB, PLACE 3/4 MILE N. OF STH 26 ON RIGHT SHOULDER	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
2	I-41 SB, PLACE 3/4 MILE N. OF STH 26 IN MEDIAN	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
3	I-41 SB, PLACE 1/2 MILE N. OF STH 26 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-2R	30"X30"	1	1	1				
4	I-41 SB, PLACE 1/2 MILE N. OF STH 26 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-2R	30"X30"	1	1	1				
5	I-41 SB, PLACE 1/4 MILE N. OF STH 26 ON RIGHT SHOULDER	PCMS		1			1			
6	I-41 SB, PLACE AT STH 26 PARALLEL EXIT RAMP DIVERGE POINT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-2	30"X30"	1	1	1				TILT RIGHT
7	I-41 SB, PLACE ACROSS FROM SIGN #6 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-2	30"X30"	1	1	1				TILT RIGHT
8	I-41 SB OFF-RAMP TO STH 26, PLACE 300' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				RIGHT
9	I-41 NB OFF-RAMP TO STH 26, PLACE 300' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				LEFT
10	I-41 NB, PLACE LEFT OF EXISTING TYPE I SIGN AT STH 26 EXIT	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-2	30"X30"	1	1	1				TILT RIGHT
11	STH 26, PLACE 500' PRIOR TO CTH N INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
12	I-41 NB, PLACE 1/2 MILE S. OF STH 26 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-2R	30"X30"	1	1	1				
13	I-41 NB, PLACE 1/2 MILE S. OF STH 26 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-2R	30"X30"	1	1	1				
14	STH 26, PLACE 300' N. OF CTH Z INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD

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** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL SUMMARY SHEET

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 2 DAYS	643.0900 SIGNS ** DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
15	STH 26, PLACE 300' N. OF CTH FF INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
16	STH 26, PLACE 300' N. OF OLDEN RD INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
17	STH 26, PLACE 100' N. OF STH 23 INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
18	I-41 NB, PLACE LEFT OF EXISTING TYPE I SIGN AT CTH OO EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
19	I-41 NB, PLACE ACROSS FROM SIGN #18 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
20	I-41 NB, PLACE LEFT OF EXISTING TYPE I SIGN AT STH 23 EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
21	I-41 NB, PLACE ACROSS FROM SIGN #20 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
22	I-41 NB, PLACE 400' S. OF CTH D EXIT RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
23	I-41 NB, PLACE ACROSS FROM SIGN #22 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
24	I-41 NB, PLACE LEFT OF EXISTING TYPE I SIGN AT HICKORY RD EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
25	I-41 NB, PLACE ACROSS FROM SIGN #24 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
26	US 151 SB, PLACE 1/4 MILE PRIOR TO I-41 NB RAMP INTERSECTION ON RIGHT SHOULDER	W 20-2A	48"X48"	1	1	1				
27	US 151 SB, PLACE 1/4 MILE PRIOR TO I-41 NB RAMP INTERSECTION IN MEDIAN	W 20-2A	48"X48"	1	1	1				
28	US 151 SB, PLACE 800' PRIOR TO I-41 NB RAMP INTERSCTION, FIELD DETERMINED	PCMS		1			1			
29	US 151 SB, PLACE 500' PRIOR TO I-41 NB RAMP INTERSECTION IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-1R	30"X30"	1	1	1				
	PAGE SUBTOTALS			51		50	1		0	

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** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL SUMMARY SHEET

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 1 DAYS	643.0900 SIGNS ** DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
30	US 151 SB, PLACE 500' PRIOR TO I-41 NB RAMP INTERSECTION ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 5-1R	30"X30"	1	1	1				
31	US 151 SB, PLACE 100' PRIOR TO I-41 NB RAMP INTERSECTION	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				RIGHT
32	US 151 ON-RAMP TO I-41 NB, PLACE 100' N. OF RAMP INTERSECTION	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
33	I-41 SB OFF-RAMP TO US 151, COVER EXISTING J2-1 AS SHOWN							1	1	COVER "SOUTH 151 RT TURN"
34	I-41 SB OFF-RAMP TO US 151, COVER EXISTING J3-1 AS SHOWN							1	1	COVER "SOUTH 151 RT"
35	US 151 SB, W. OF I-41, COVER EXISTING J4-1 AS SHOWN							1	1	COVER "SOUTH 151"
36	I-41 NB, PLACE 3/4 MILE S. OF US 151 IN MEDIAN	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
37	I-41 NB, PLACE 3/4 MILE S. OF US 151 ON RIGHT SHOULDER	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
38	I-41 NB, PLACE 1/2 MILE S. OF US 151 IN MEDIAN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
39	I-41 NB, PLACE 1/2 MILE S. OF US 151 ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
40	I-41 NB, PLACE 1/4 MILE S. OF US 151, FIELD DETERMINED	PCMS		1			1			
41	I-41 NB, PLACE LEFT OF EXISTING TYPE I SIGN AT US 151 EXIT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
42	STH 26, PLACE 100' N. OF CTH T	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
43	STH 26, PLACE 500' N. OF CTH TC	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
44	STH 26, PLACE 1000' N. OF FRONTAGE RD IN MEDIAN	MO 4-8A	24"X18"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				
45	STH 26, PLACE 1000' N. OF FRONTAGE RD ON RIGHT SHOULDER	MO 4-8A	24"X18"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				
46	US 151, PLACE E. OF CTH Y ON RIGHT SHOULDER, FIELD DETERMINED	PCMS		1	1	1	4			ADVANCED (3), DEMO (1)
47	US 151, PLACE. W. OF STH 175, COVER EXISTING J4-1 SIGN							1	1	COVER ENTIRE SIGN
48	US 151, PLACE. W. OF HICKORY ST, COVER EXISTING J4-1 SIGN							1	1	COVER ENTIRE SIGN
49	US 151, PLACE. W. OF CTH D, COVER EXISTING J4-1 SIGN							1	1	COVER ENTIRE SIGN
	PAGE SUBTOTALS			45		44	5		6	
	PROJECT TOTALS			**147**		**144**	**7**		**6**	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL SUMMARY SHEET

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 1 DAYS	643.0900 SIGNS ** DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	USH 151, PLACE 3500' N. OF STH 23 STRUCTURE ON SHOULDER	PCMS					4			ADV NOTIFICATION (3), DEMO (1)
2	STH 23, PLACE JUST W. OF US 151 SB RAMP TERMINI, PLACE IN MEDIAN	PCMS					1			
3	STH 23, PLACE 2400' E. OF US 151 NB RAMP TERMINI ON SHOULDER	PCMS					1			
4	USH 151, PLACE 1500' N. OF STH 23 STRUCTURE ON RIGHT SHOULDER	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
5	USH 151, PLACE 1500' N. OF STH 23 STRUCTURE IN MEDIAN ACROSS FROM SIGN #4	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	W 20-2A	48"X48"	1	1	1				
6	USH 151, PLACE LEFT OF EXISTING TYPE I SIGN AT OFF-RAMP DIVERGE POINT	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-2	30"X30"	1	1	1				TILT RIGHT
7	USH 151 OFF-RAMP TO STH 23, PLACE 750' FROM RAMP INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 5-1R	21"X21"	1	1	1				
8	USH 151 OFF-RAMP TO STH 23, PLACE 125' FROM RAMP INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				RIGHT
9	STH 23, PLACE LEFT OF EXISTING J4-1 SIGN	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
10	STH 23, COVER EXISTING J2-1 SIGN AS SHOWN							1	1	COVER "SOUTH 151 RT TURN"
11	STH 23, COVER EXISTING D1-3 SIGN AS SHOWN							1	1	COVER "MADISON"
12	STH 23, COVER EXISTING J3-1 SIGN AS SHOWN							1	1	COVER "SOUTH 151 RT"
13	STH 23, E. OF US 151 NB RAMP TERMINI, PLACE 200' E. OF INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
14	STH 23, UNDERNEATH USH 151 STRUCTURES, MODIFY EXISTING J3-1 SIGNS AS SHOWN	MO 4-8	24"X12"	1	1	1				
	"	MO 6-1	21"X21"	1	1	1				
15	STH 23, UNDERNEATH USH 151 STRUCTURES, MODIFY EXISTING J3-1 SIGNS AS SHOWN	MO 4-8	24"X12"	1	1	1				
	"	MO 6-1	21"X21"	1	1	1				
16	STH 23, E. OF NATIONAL AVE, PLACE 250' E. OF NATIONAL AVE INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
	PAGE SUBTOTALS			34		34	6		3	

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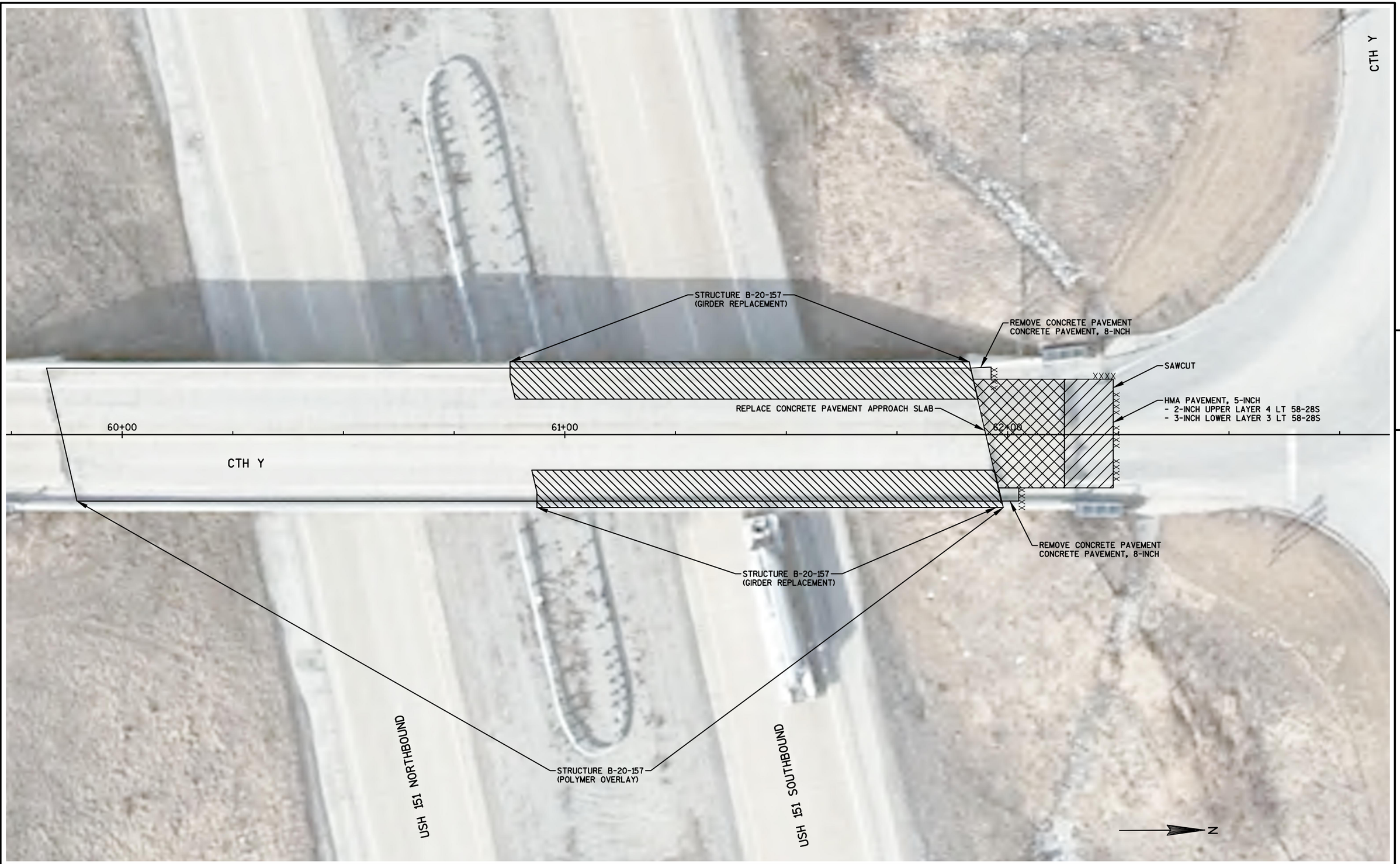
** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL SUMMARY SHEET

TRAFFIC CONTROL DETOUR SIGN SUMMARY

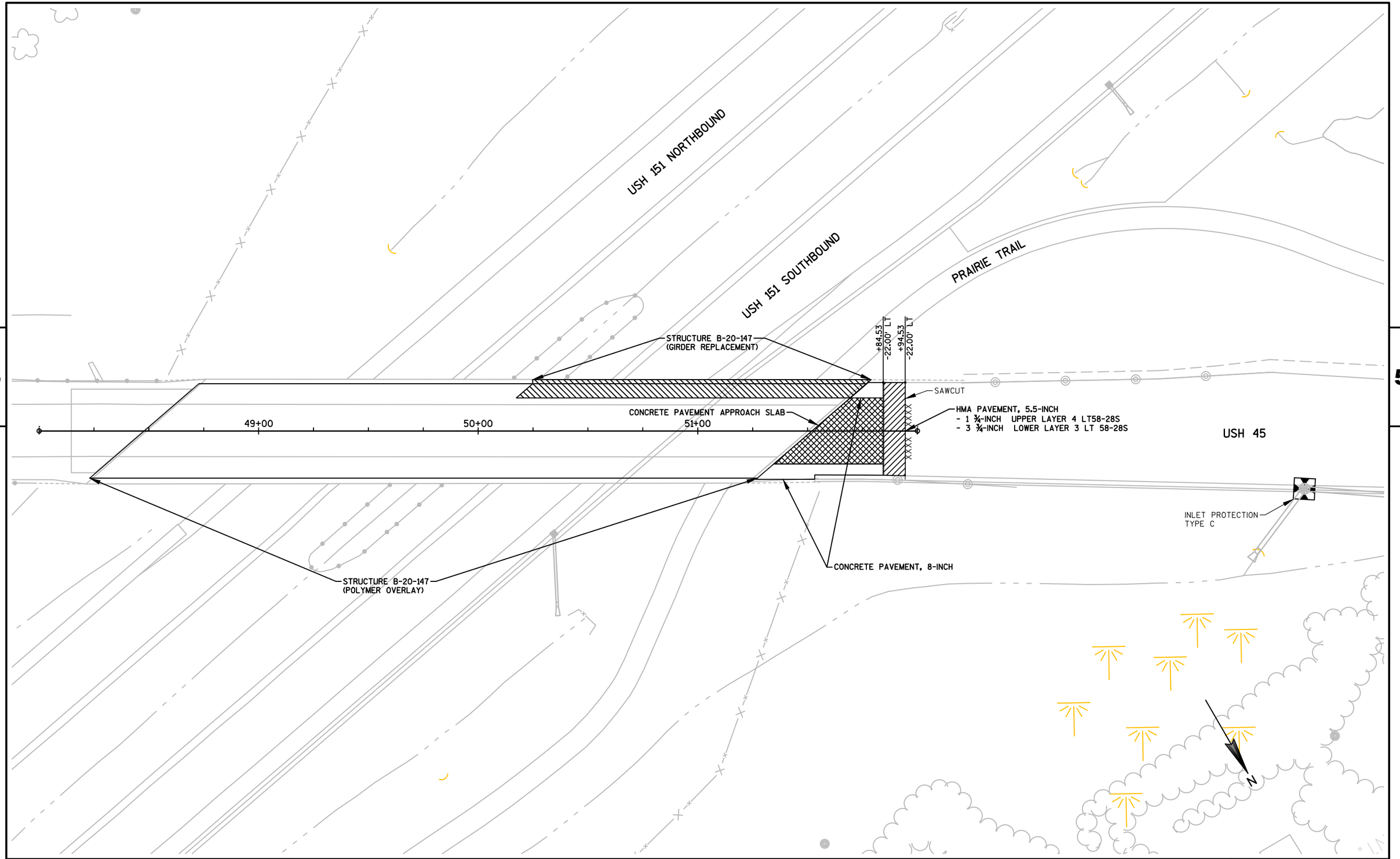
SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 1 DAYS	643.0900 SIGNS ** DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
17	STH 23, E. OF USH 45/MAIN ST, PLACE 250' E. OF USH 45/MAIN ST INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
18	STH 23, E. OF HICKORY ST, PLACE 250' E. OF HICKORY ST INTERSECTION	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				AHEAD
19	STH 23, AT I-41 SB RAMP TERMINI, PLACE 200' E. OF RAMP INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 6-1	21"X21"	1	1	1				LEFT
20	STH 23, BETWEEN I-41 RAMP TERMINI, PLACE 375' E. OF SB RAMP INTERSECTION ON RIGHT	MO 4-8	24"X12"	1	1	1				
	"	M 3-3	24"X12"	1	1	1				
	"	M 1-4	24"X24"	1	1	1				151
	"	MO 5-1L	21"X21"	1	1	1				
21	I-41, N. OF CTH D/MILITARY RD, PLACE ADJACENT TO EXISTING TYPE I SIGN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
22	I-41, N. OF HICKORY ST, PLACE ADJACENT TO EXISTING TYPE I SIGN	MO 4-8	36"X18"	1	1	1				
	"	M 3-3	36"X18"	1	1	1				
	"	M 1-4	36"X36"	1	1	1				151
	"	MO 6-1	30"X30"	1	1	1				AHEAD
23	US 151, S. OF STH 23 INTERCHANGE, COVER EXISTING J4-1 AS SHOWN							1	1	
24	US 151, S. OF CTH V INTERSECTION, COVER EXISTING J4-1 AS SHOWN							1	1	
	PAGE SUBTOTALS			24		24	0		2	
	PROJECT TOTALS			**58**		**58**	**6**		**5**	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

** ADDITIONAL QUANTITIES SHOWN ON TRAFFIC CONTROL SUMMARY SHEET



PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	PLAN - CTH Y	SHEET 22 E



5

5

PROJECT NO: 1420-29-71	HWY: USH 151	COUNTY: FOND DU LAC	PLAN - USH 45	SHEET 23 E

FILE NAME : F:\TR\JOBS\E2284A17\CIVIL 3D 2014\SHEETSPLAN\142029-050202-PN USH 45.DWG
LAYOUT NAME - ****
14202971_050202_pn-USH 45

PLOT DATE : 8/10/2017 11:01 AM

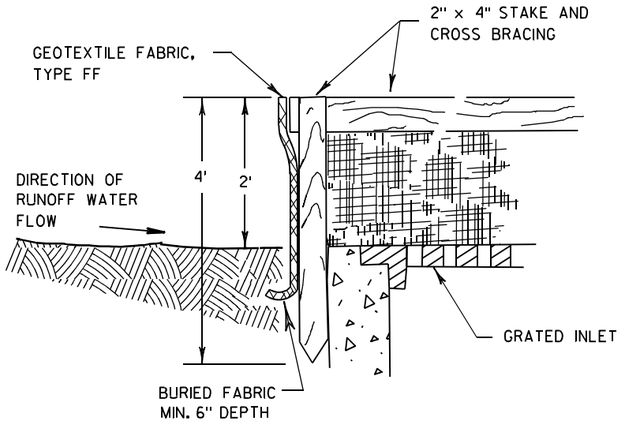
PLOT BY : OMNNI ASSOCIATES - CRAIG KNUTH

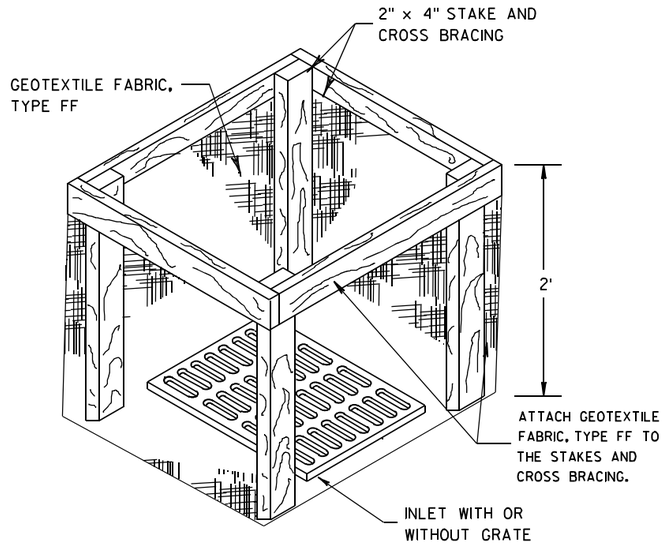
PLOT SCALE : **********

WISDOT/CADDS SHEET 44

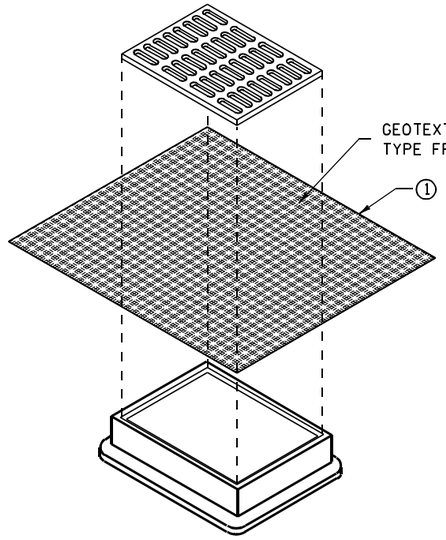
Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
13B02-08A	CONCRETE PAVEMENT APPROACH SLAB
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



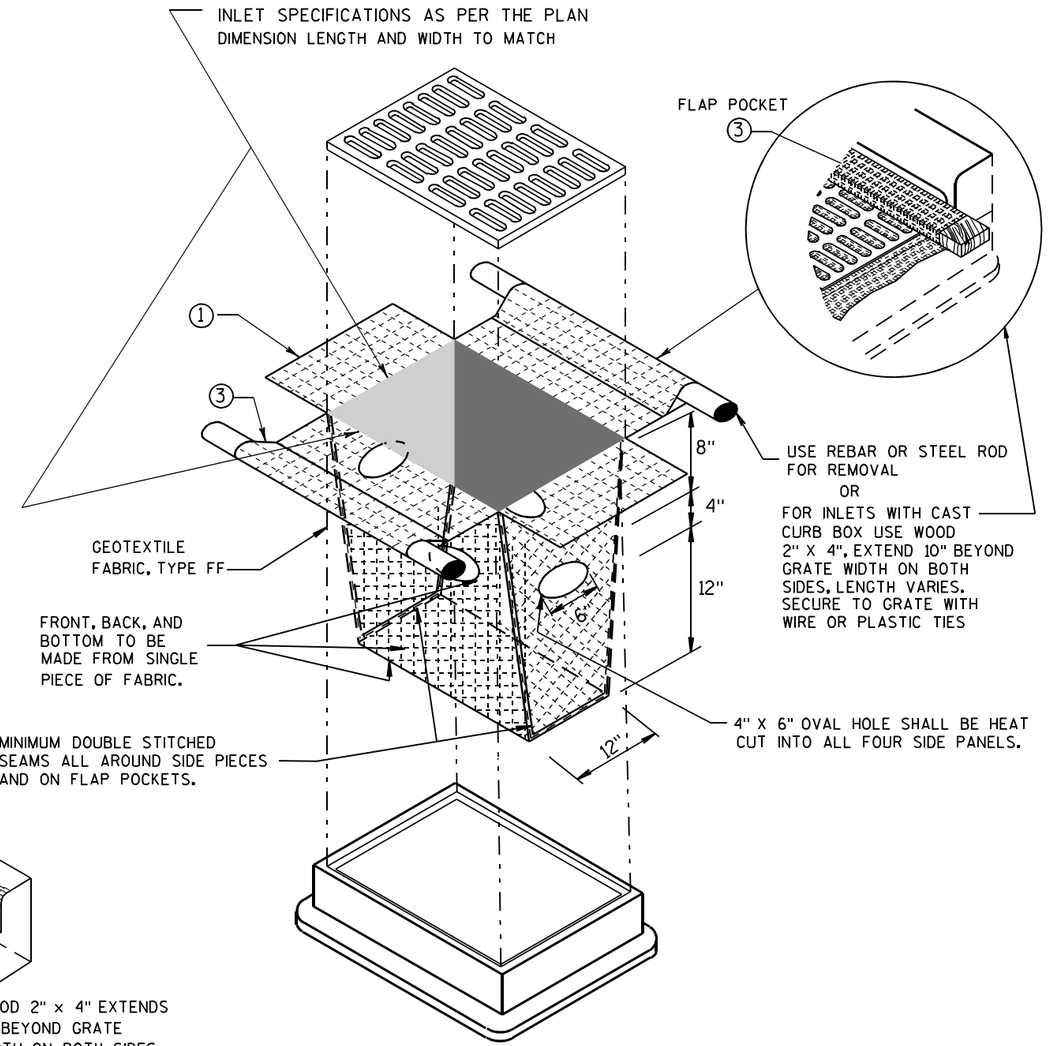


INLET PROTECTION, TYPE A



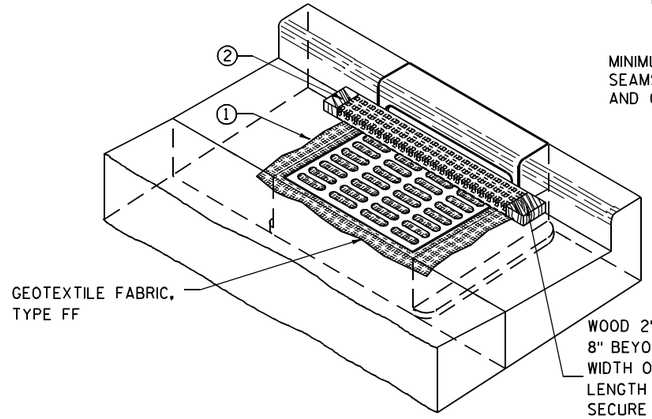
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

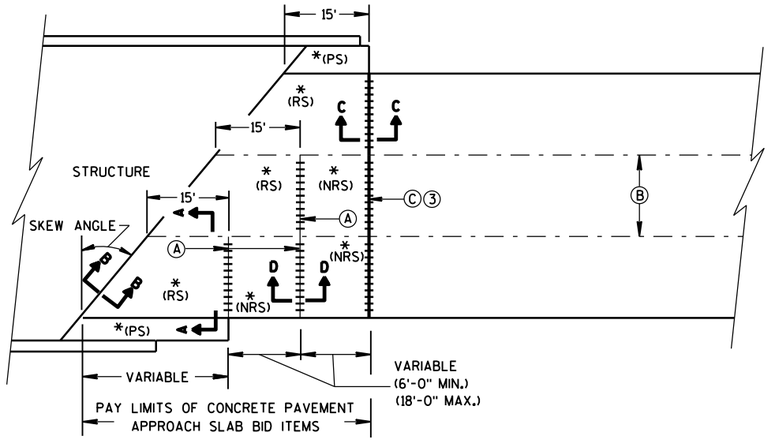
FHWA

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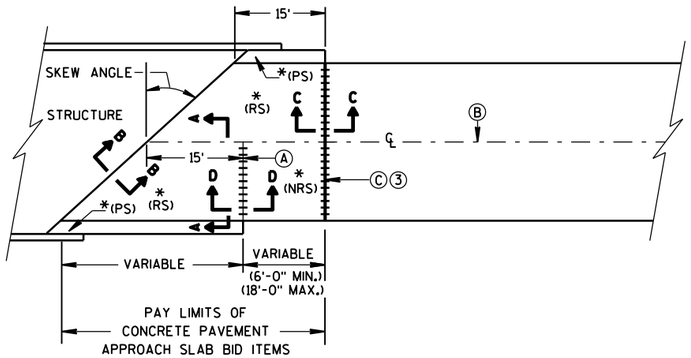
S.D.D. 8 E 10-2

6

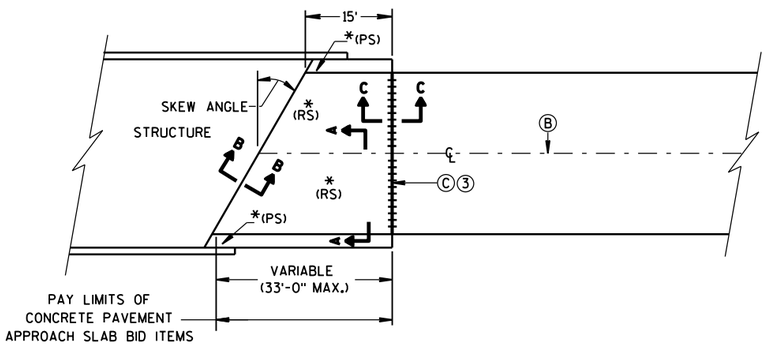
S.D.D. 8 E 10-2



SKEWED APPROACH
(PAVEMENT MORE THAN 2 LANES)



SKEWS >20°
(PAVEMENT WIDTH ≤30')



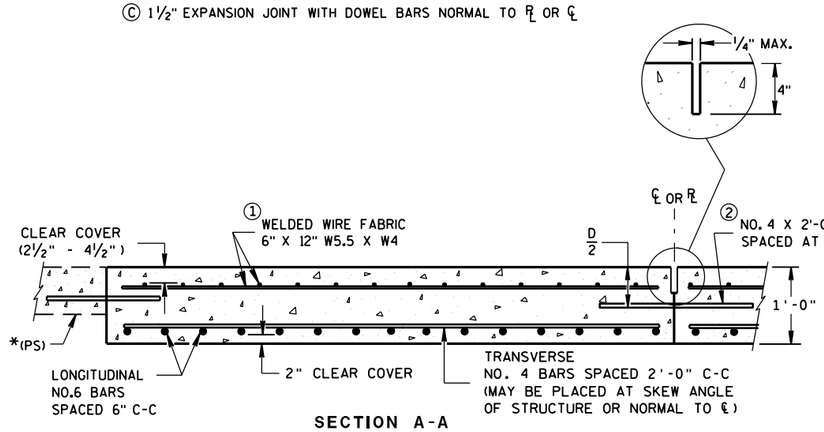
SKEWS ≤20°
(PAVEMENT WIDTH ≤30')

APPROACH SLAB AND ADJACENT PAVEMENT

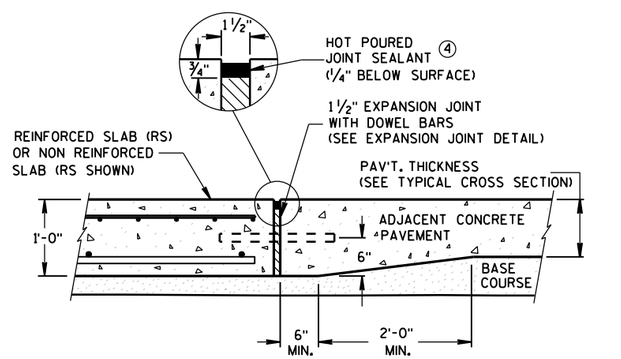
*(RS) = REINFORCED CONCRETE SLAB
*(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
(SEE DETAILS ELSEWHERE IN THE PLAN)
*(NRS) = NON-REINFORCED CONCRETE SLAB

***STANDARD DOWEL BAR DIAMETER
(SEE SDD 13C11, & SDD 13C13)

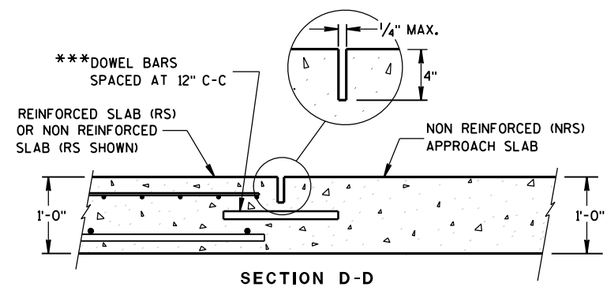
Ⓐ STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℄
Ⓑ STANDARD LONGITUDINAL JOINT WITH TIE BARS.
Ⓒ 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℄



SECTION A-A
REINFORCEMENT POSITIONING DETAIL



SECTION C-C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT



SECTION D-D
CONTRACTION JOINT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

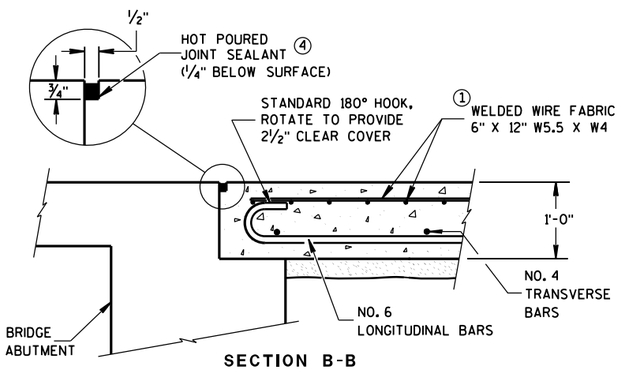
① THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

② THE CONTRACTOR MAY OMIT TIE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

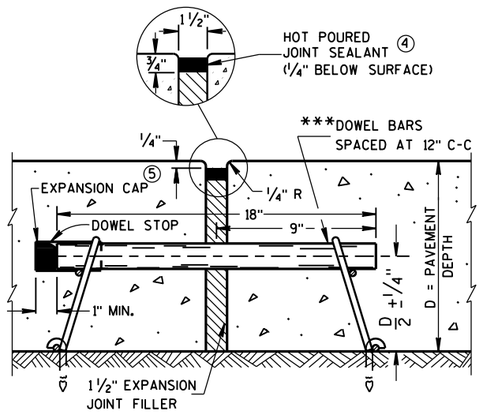
③ DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

④ USE A JOINT SEALANT MEETING THE REQUIREMENTS OF ASTM D6690.

⑤ PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.



SECTION B-B
BEND DETAIL
BOTTOM REINFORCEMENT



EXPANSION JOINT DETAIL

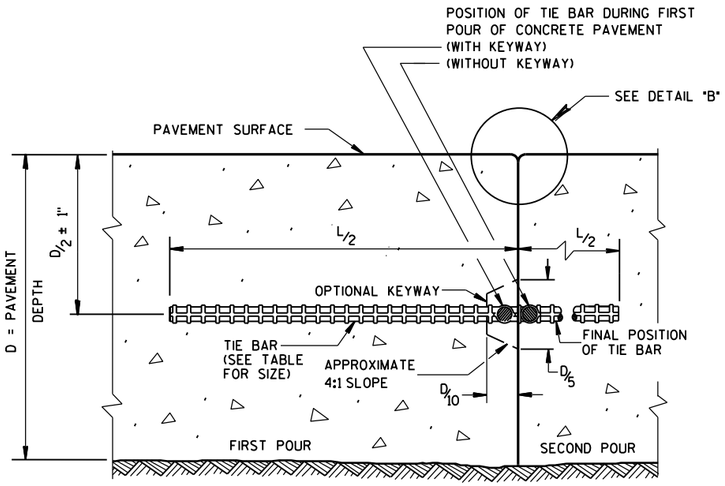
CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

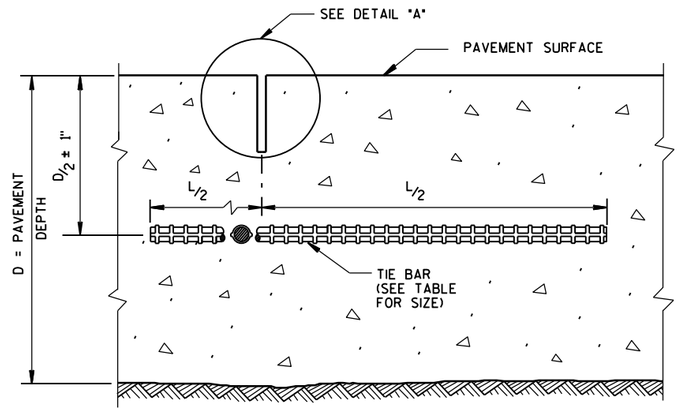
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

S.D.D. 13 B 2-8a



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

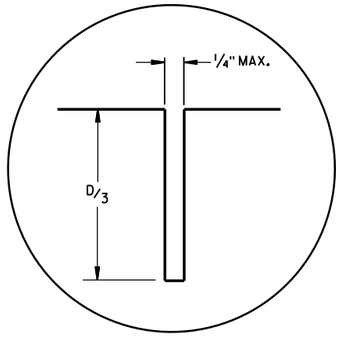
(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

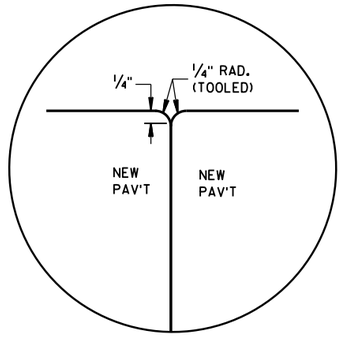
PLAN VIEW

SECTION A-A

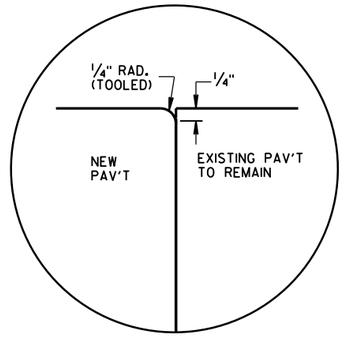
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



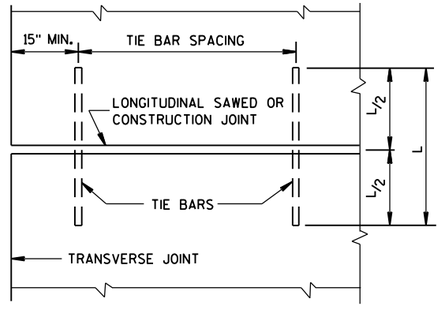
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

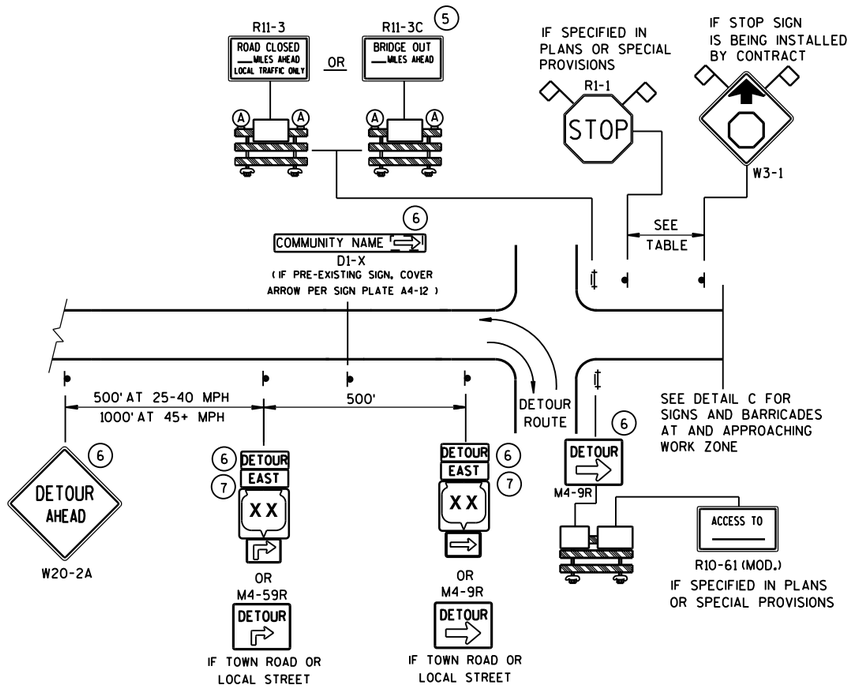
CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

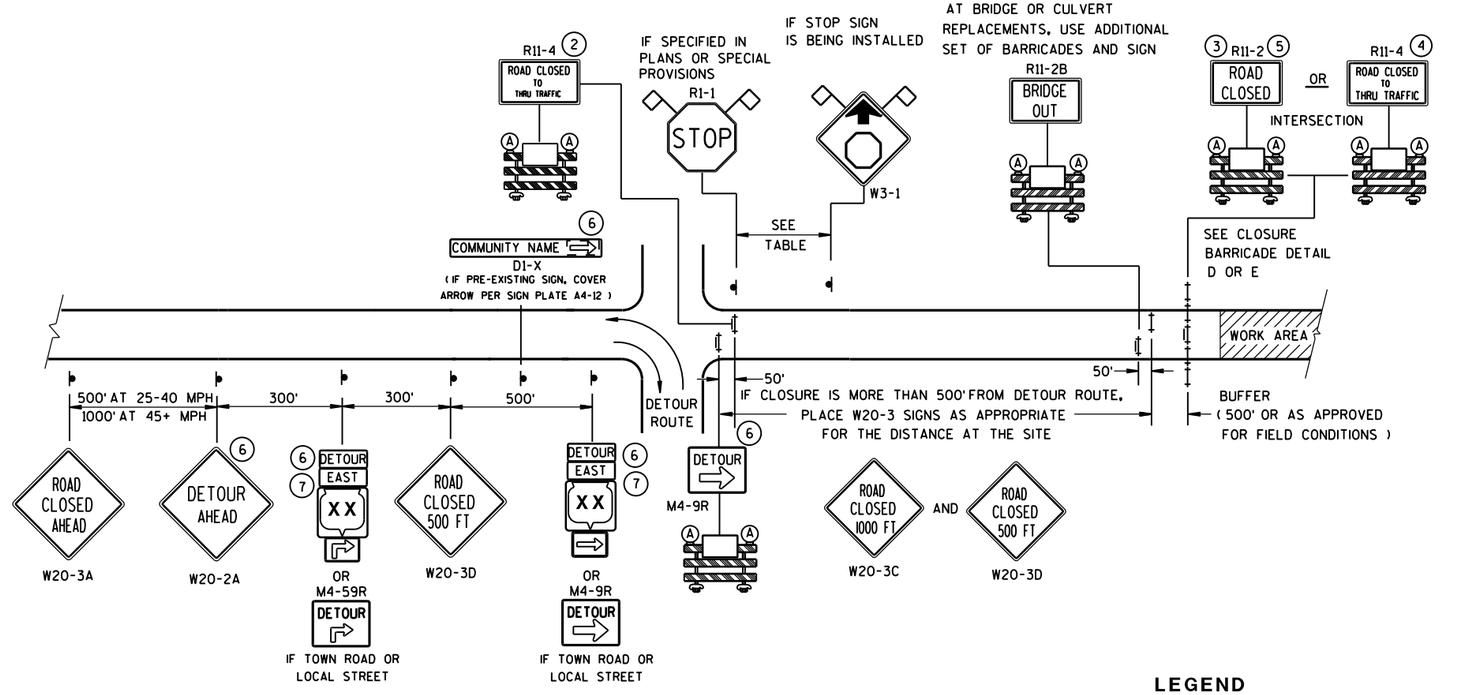
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S.D.D. 13 C 1-18



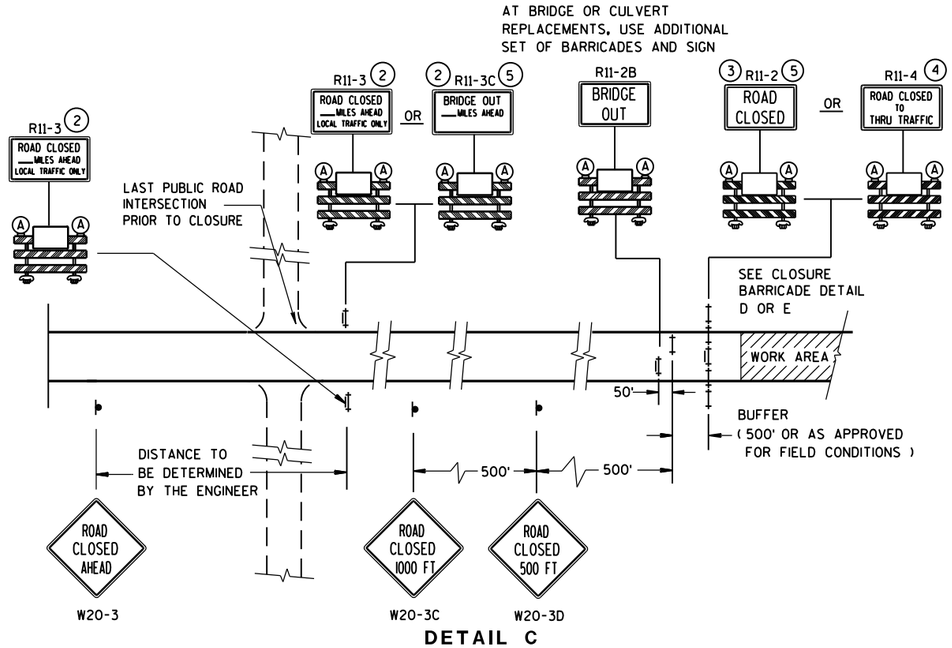
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "**b**"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

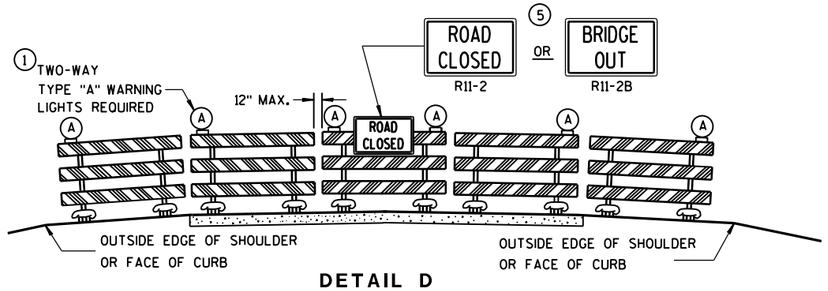
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

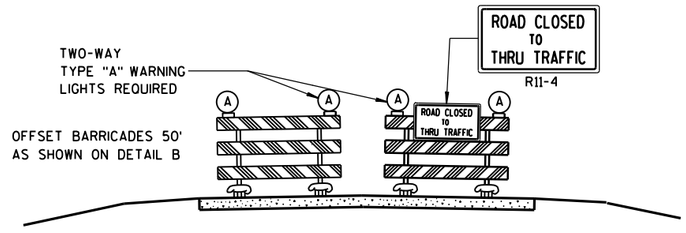
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

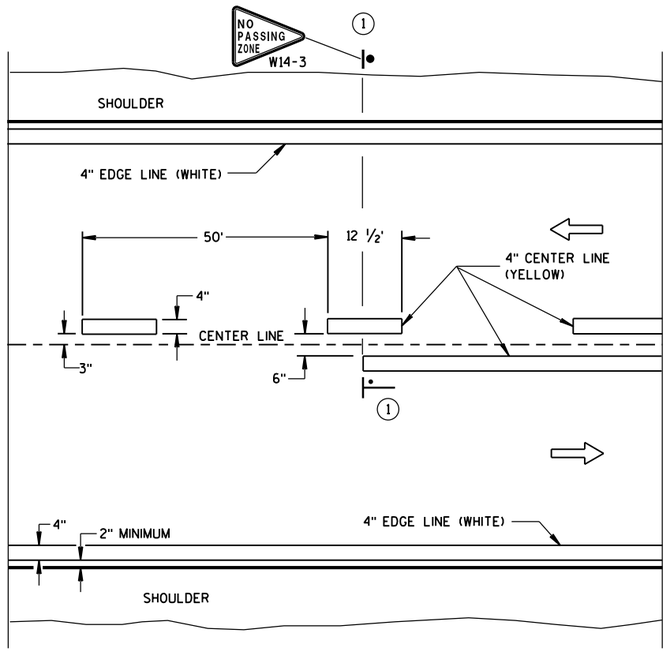
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

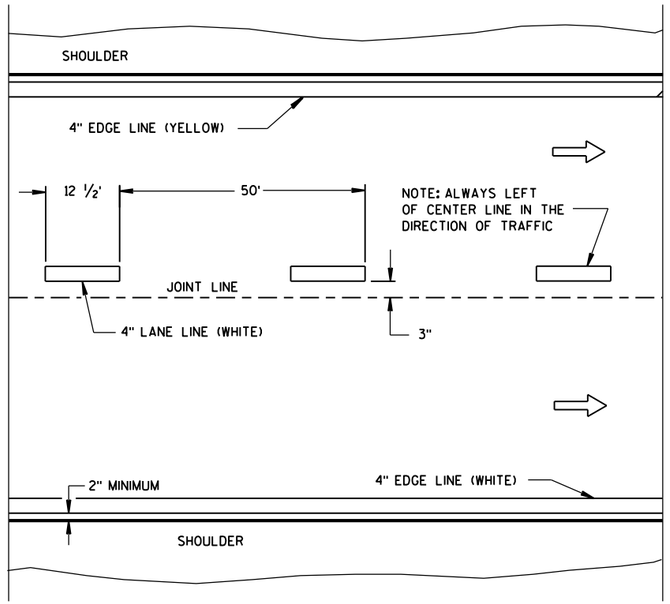
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA — FIC

6

S.D.D. 15 C 2-6b



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

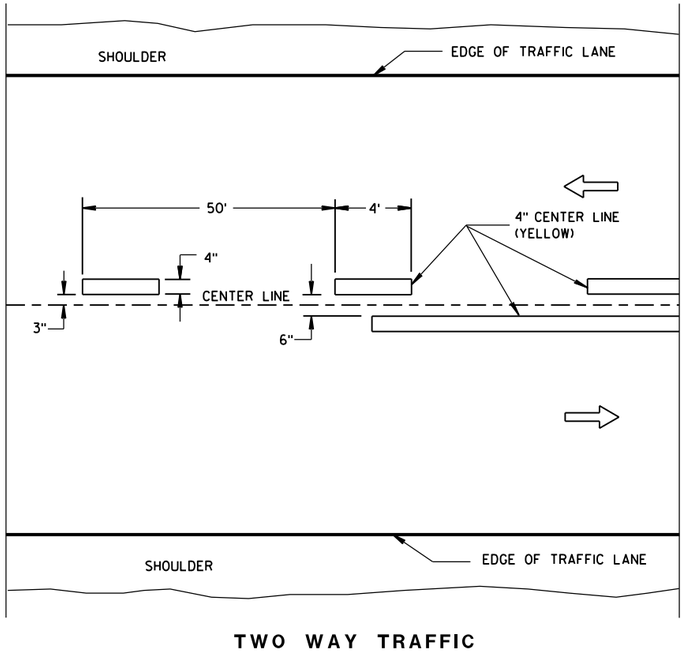
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

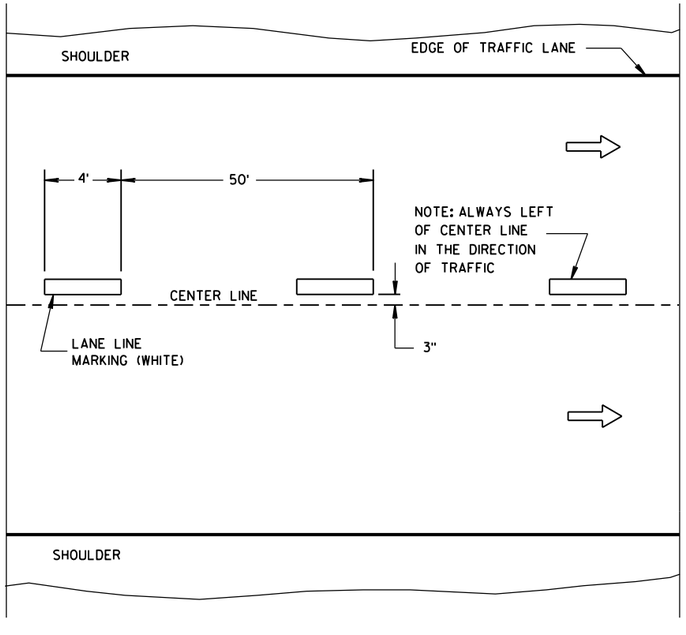
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



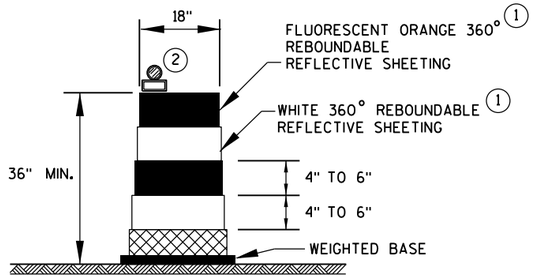
ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

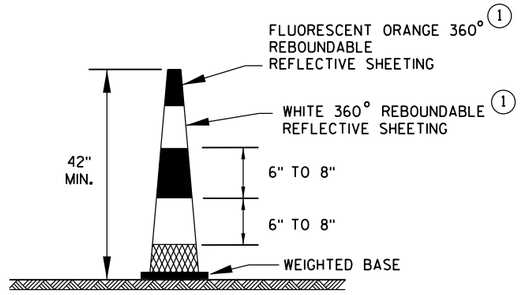
LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 (DATE)	/S/ Matthew R. Rauch (STATE SIGNING AND MARKING ENGINEER)
FHWA	

6

S.D.D. 15 C 8-18a



DRUM

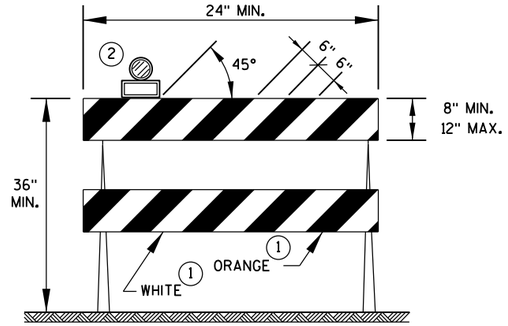


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

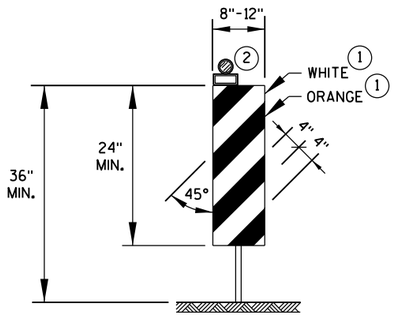
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



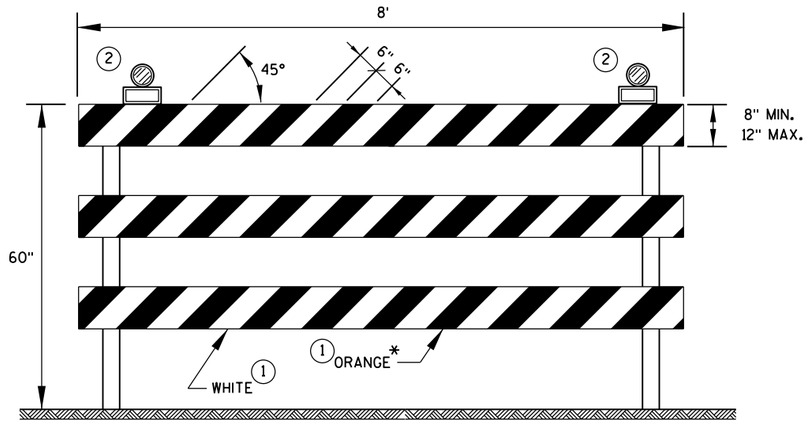
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENG
FHWA	

6

S.D.D. 15 C 11-7b

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

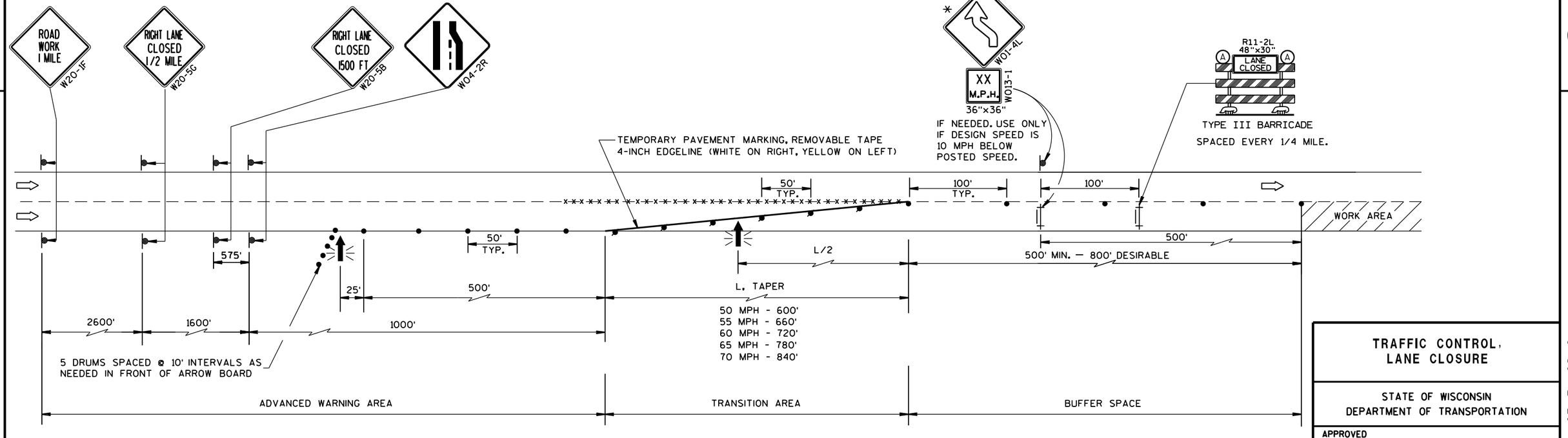
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



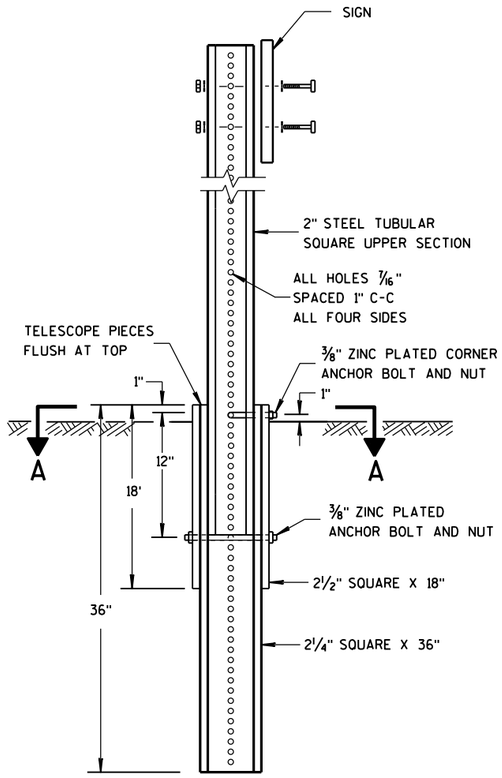
TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

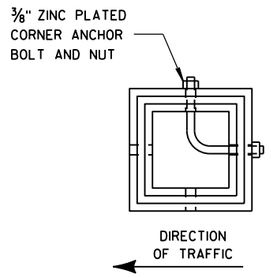
APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGIN — IC
FHWA

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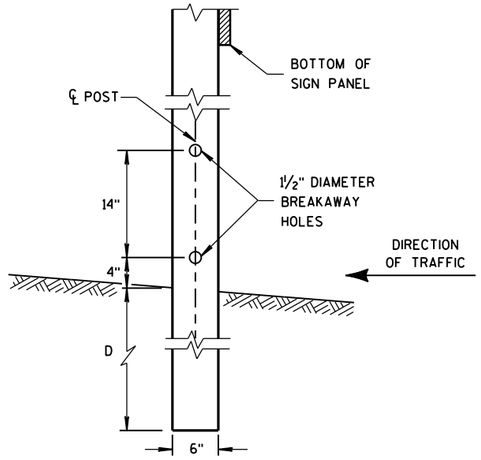
S.D.D. 15 D 12-6a



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



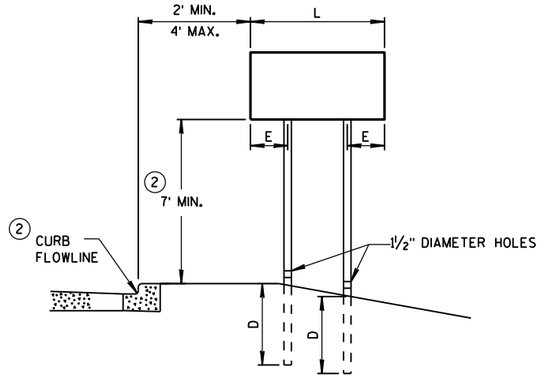
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

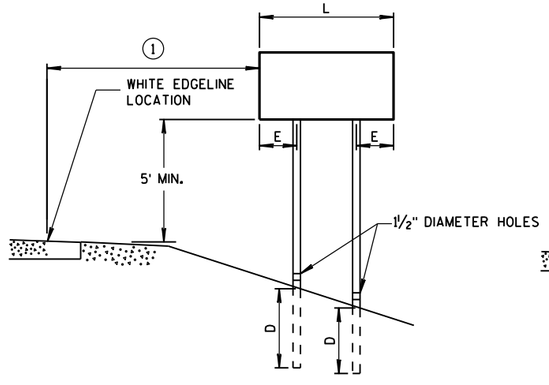
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

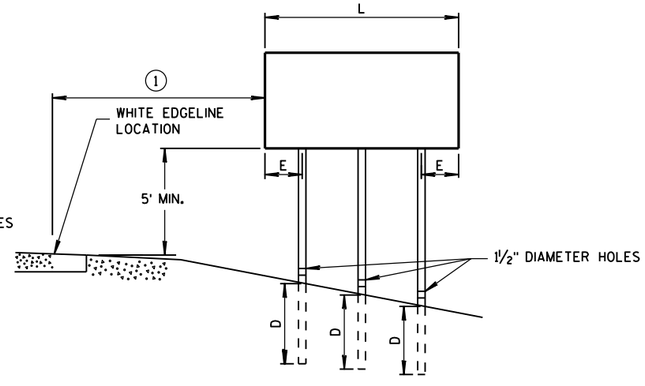
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

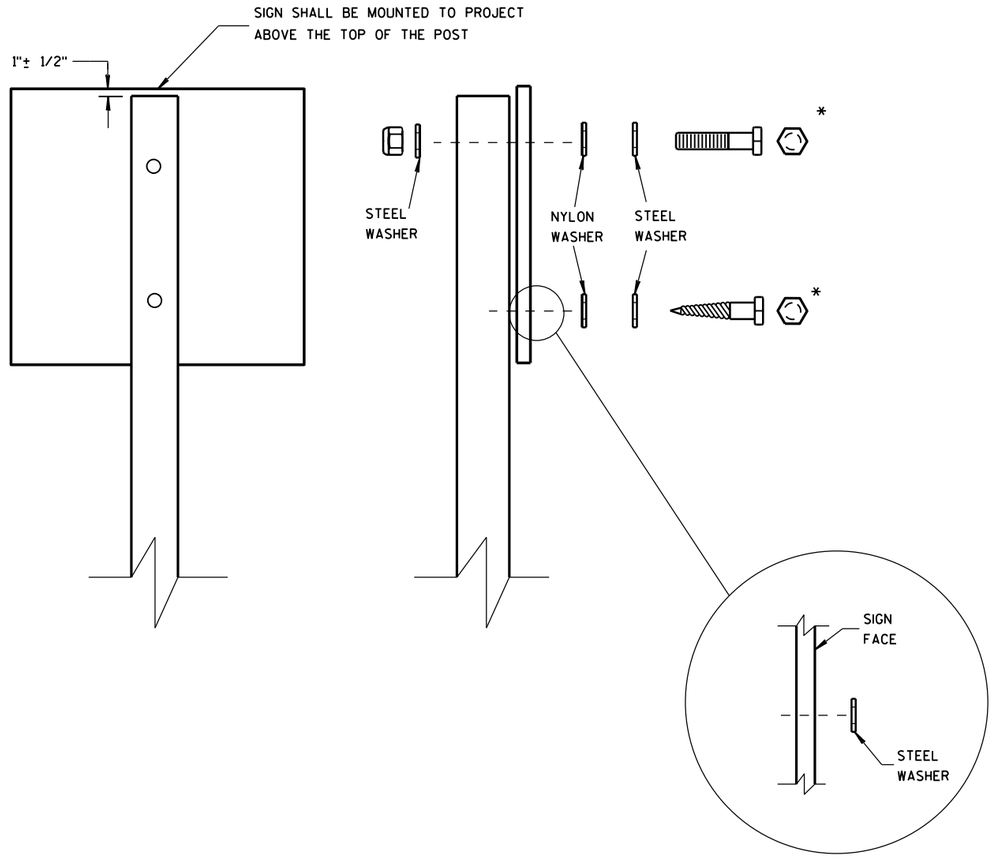
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a
S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

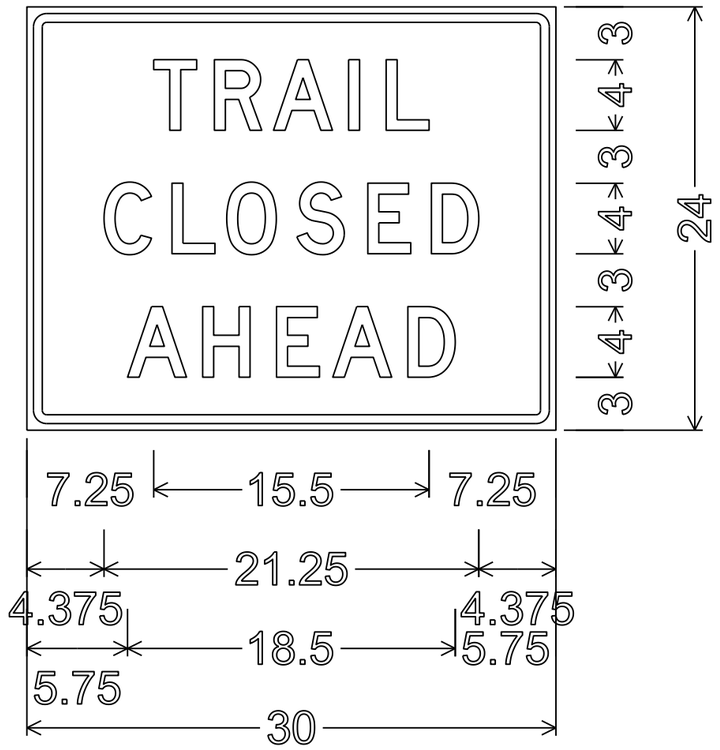
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

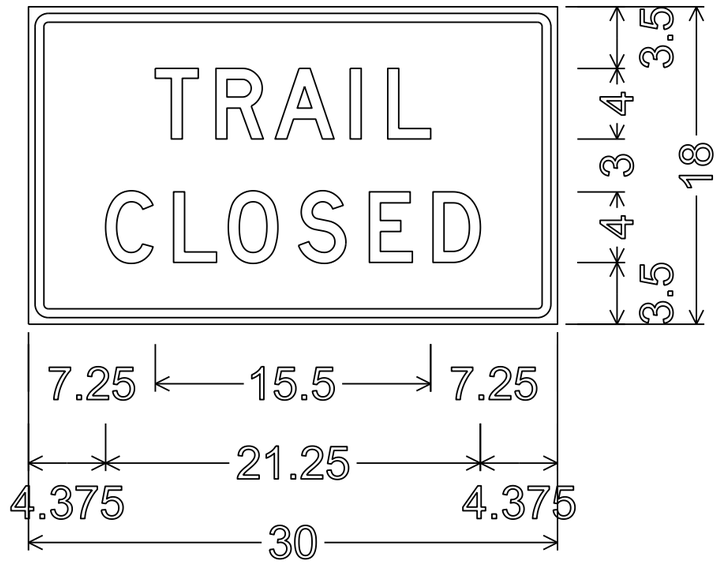
FHWA

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



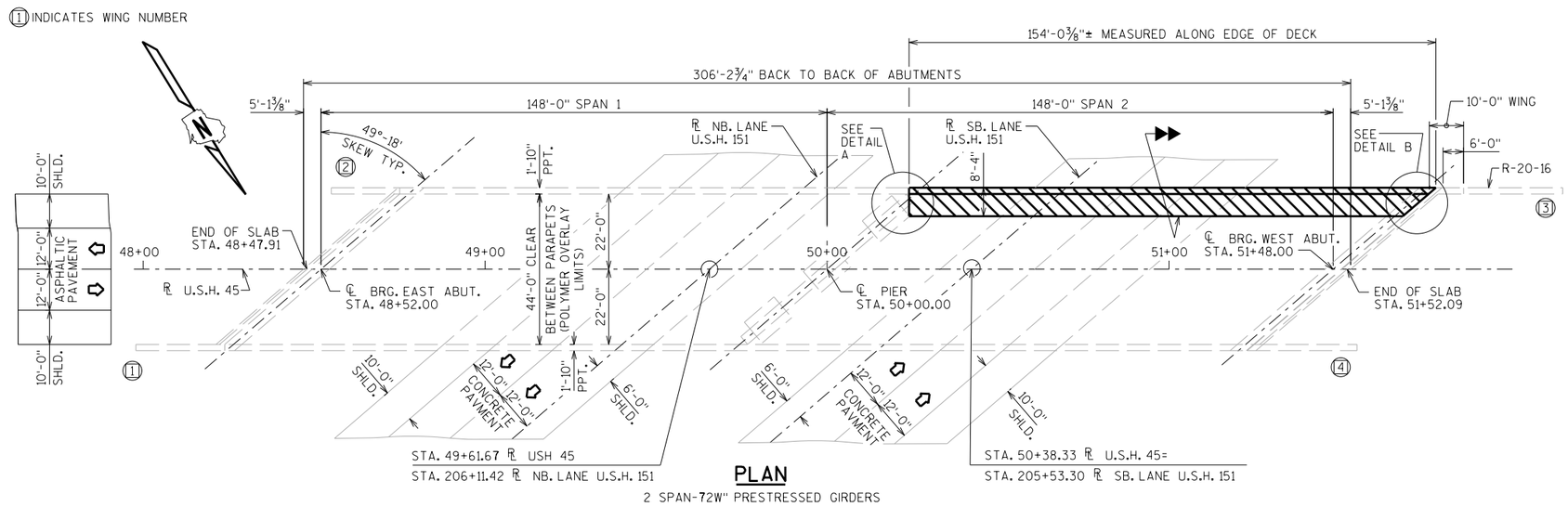
1.125" Radius, 0.500" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent

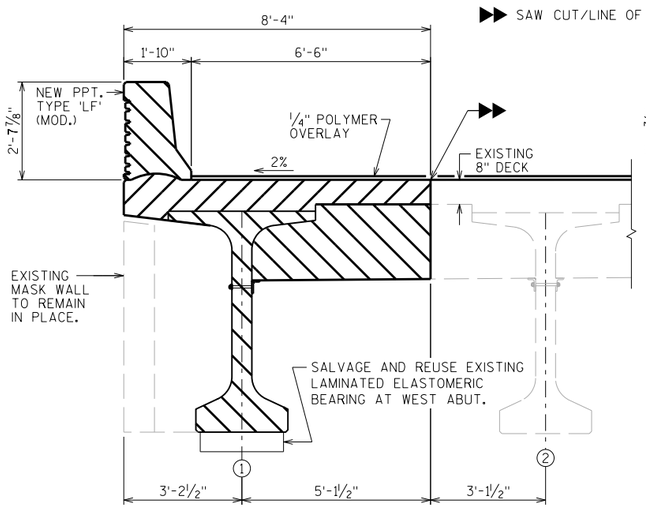
STATE PROJECT NUMBER

1420-29-71



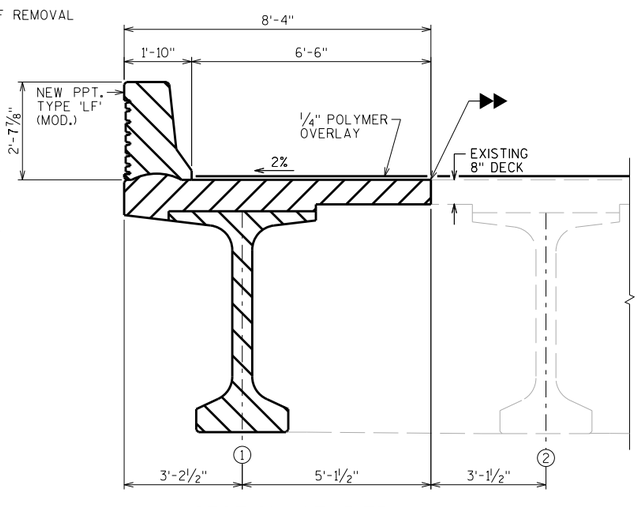
PLAN

2 SPAN-72W" PRESTRESSED GIRDERS



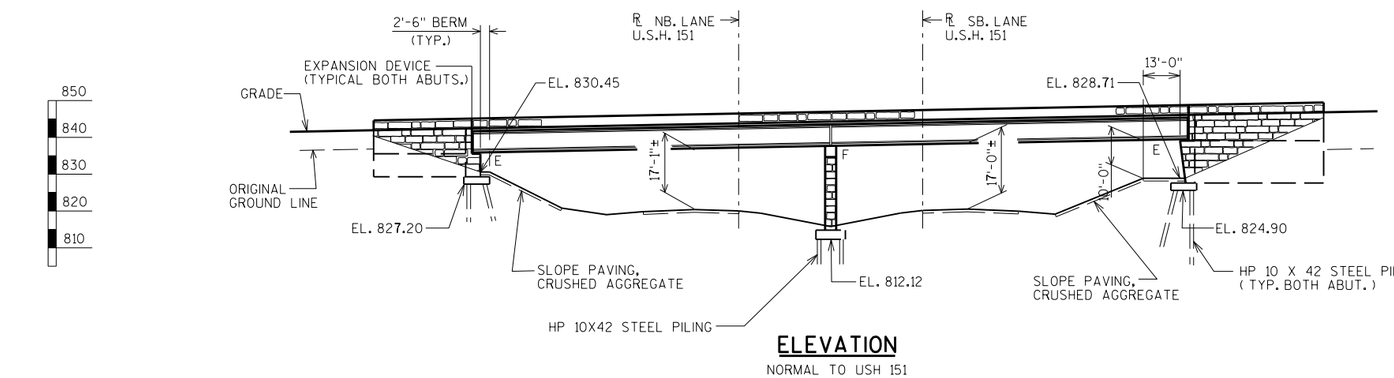
SECTION AT ABUT.

LOOKING WEST



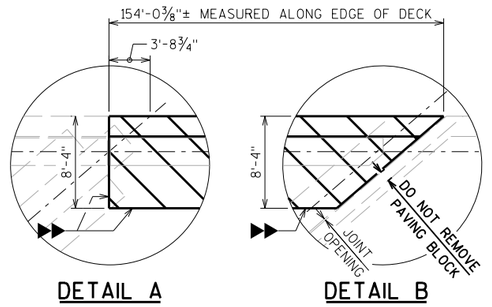
SECTION AT PIER

LOOKING WEST



ELEVATION

NORMAL TO USH 151



DETAIL A

DETAIL B

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS 20
INVENTORY RATING FACTOR: HS 22
OPERATING RATING FACTOR: HS 51
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

72W" 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.

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 3/4"UNLESS OTHERWISE NOTED.

ALL SAWCUTS SHALL BE DEFINED BY A 1" DEEP MINIMUM SAWCUT.

CLEAN AND REUSE EXISTING NON LAMINATED ELASTOMERIC BEARING AT PIER.

SALVAGE AND REUSE EXISTING LAMINATED ELASTOMERIC BEARING PAD AT ABUT.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF NEW PARAPET.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE 72W" PRESTRESSED GIRDER DETAILS 2" SHEET.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ANY EXCAVATION NECESSARY TO COMPLETE THE GIRDER REPLACEMENT AT THE WEST ABUTMENT IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES".

CONCRETE STAIN TO BE APPLIED TO NEW FORMLINER ON NEW PARAPETS AND SHALL RESEMBLE WEATHERED LIMESTONE. FOR SPECIFIC REQUIREMENTS, CONTACT WISDOT N.E. REGION FOR 2004 SPECIAL REQUIREMENTS.

ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

EXISTING ABUTMENT STRIP SEAL EXPANSION DEVICE TO REMAIN IN PLACE. CONCRETE ON SPAN SIDE OF JOINT TO BE CAREFULLY CHIPPED FROM AROUND JOINT. SALVAGE AND REUSE EXISTING COVER PLATES. WORK INCIDENTAL TO BID ITEM "REMOVING OLD STRUCTURE STA. 50+00.00".

A POLYMER OVERLAY IS TO BE APPLIED TO THE ENTIRE EXPOSED DECK SURFACE, BOTH NEW AND EXISTING.

LIST OF DRAWINGS

1. GIRDER REPLACEMENT/ POLYMER OVERLAY
2. QUANTITIES
3. 72W" PRESTRESSED GIRDER DETAILS
4. 72W" PRESTRESSED GIRDER DETAILS 1
5. PRESTRESSED GIRDER BEARING
6. STEEL DIAPHRAGM
7. COVER PLATE DETAILS
8. SUPERSTRUCTURE
9. SUPERSTRUCTURE DETAILS
10. SLOPED FACE PARAPET LF (MODIFIED)

STRUCTURE DESIGN CONTACTS:
STEVE REVELLO (608) 266-5095
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED William C. Dreher MSCE — CHIEF STRUCTURES DESIGN ENGINEER — 11/6/17 DATE

STRUCTURE B-20-147

USH 45 OVER USH 151

COUNTY: FOND DU LAC | TOWN/CITY/VILLAGE: FOND DU LAC

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SDR		DDS	SDR

GIRDER REPLACEMENT/ POLYMER OVERLAY

SHEET 1 OF 10

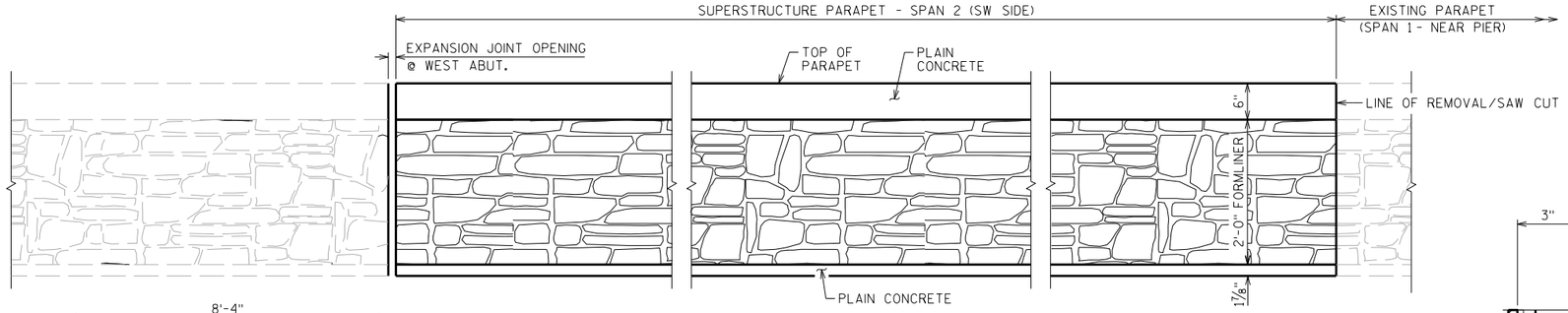
36

I.D. 1420-29-00A DATE: MAY 2017

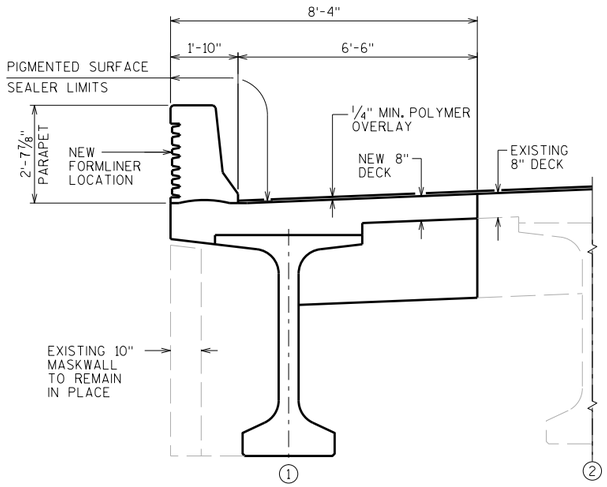
SCALE = 20.00

STATE PROJECT NUMBER

1420-29-71



OUTSIDE FACE OF PARAPET

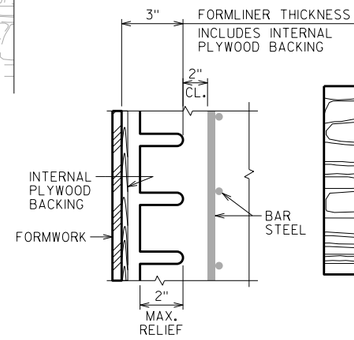


SECTION AT WEST ABUT.

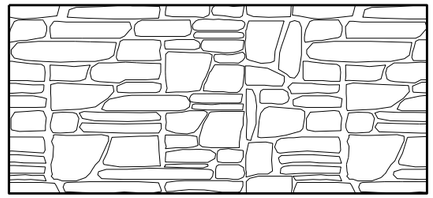
PARAPET NOTES

FORMLINER COURSING ON PARAPETS SHALL BE PARALLEL TO TOP OF PARAPETS.

FORMLINER ON EXISTING STRUCTURE IS RUSTIC ASHLAR STONE AND STAINED TO RESEMBLE WEATHERED LIMESTONE. MATCH EXISTING FORMLINER AND STAIN COLORS.



SECTION THRU FORMLINER



RUSTIC ASHLAR

SIZES = 8" & 32"
MAX. RELIEF = 2"

FORMLINER DETAILS

MATCH EXISTING PATTERNS

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0200	REMOVING OLD STRUCTURE STA. 50+00.00	LS	1
502.0100	CONCRETE MASONRY BRIDGES	CY	61
502.3210	PIGMENTED SURFACE SEALER	SY	70
503.0172	PRESTRESSED GIRDER TYPE I 72W-INCH	LF	149
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	10,620
505.0911	BAR COUPLERS NO. 11	EACH	12
509.5100.S	POLYMER OVERLAY	SY	1,488
517.1015.S	CONCRETE STAINING MULTI-COLOR B-20-147	SF	310
517.1050.S	ARCHITECTURAL SURFACE TREATMENT B-20-147	SF	310

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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QUANTITIES

SHEET 2

37

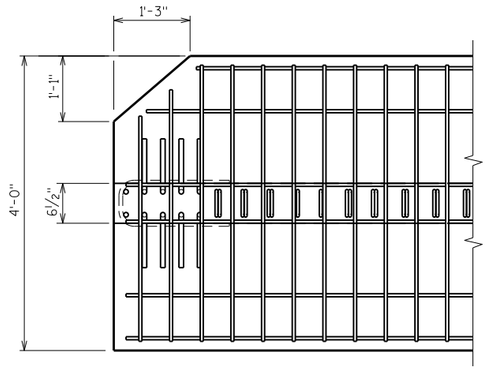
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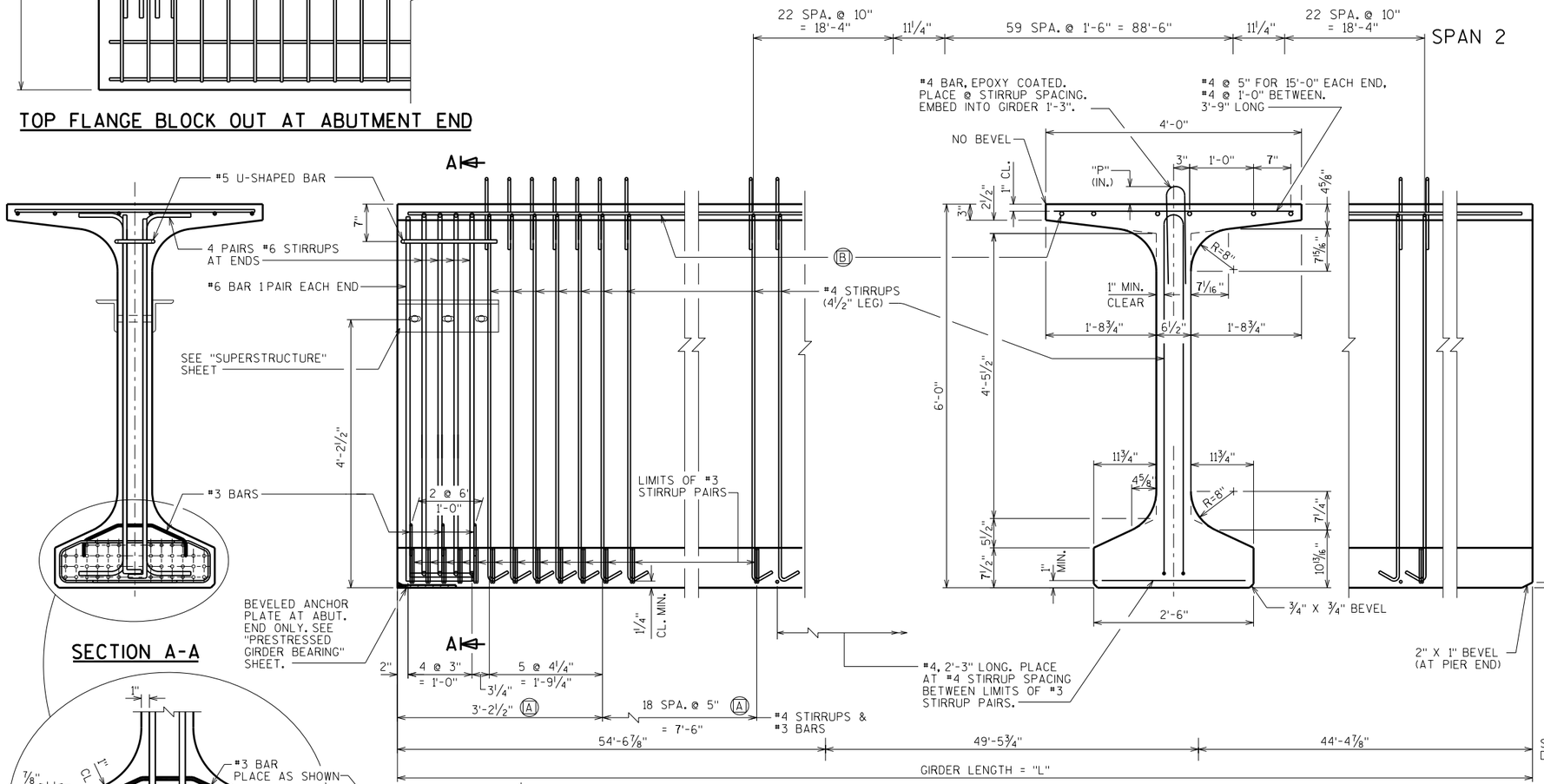
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STATE PROJECT NUMBER

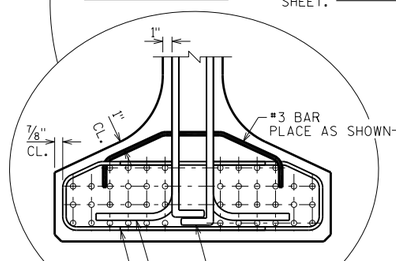
1420-29-71

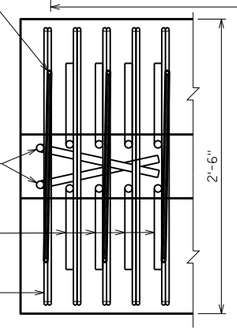


TOP FLANGE BLOCK OUT AT ABUTMENT END



SECTION A-A



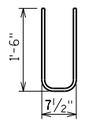


BOTTOM FLANGE

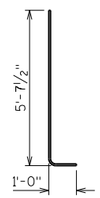
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

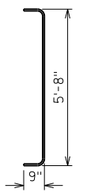
Ⓑ 6 #7 BARS, FULL LENGTH, MIN. LAP = 3'-11"



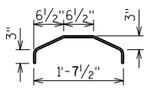
#5 BAR 1 @ EACH END



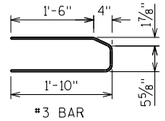
#6 BAR 2 @ EACH END



#6 BAR 8 @ EACH END



#3 BAR 3 @ EACH END (EPOXY COATED)



#3 BAR 29 PAIRS EACH END (EPOXY COATED)

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 15" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 15" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A497 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ✳
2	1	148.46	.75	1.44	2.00	2.34	2.47	2.36	2.02	1.48	.78	8000	7"	7"	7"	0.6"	46	6500	67	20.5	23.5	5.0		

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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72W" PRESTRESSED GIRDER DETAILS

SHEET 3

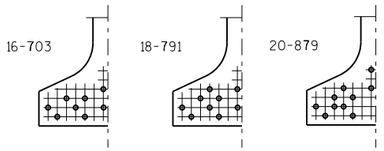
38

1-16
G72W

SCALE = 1.00

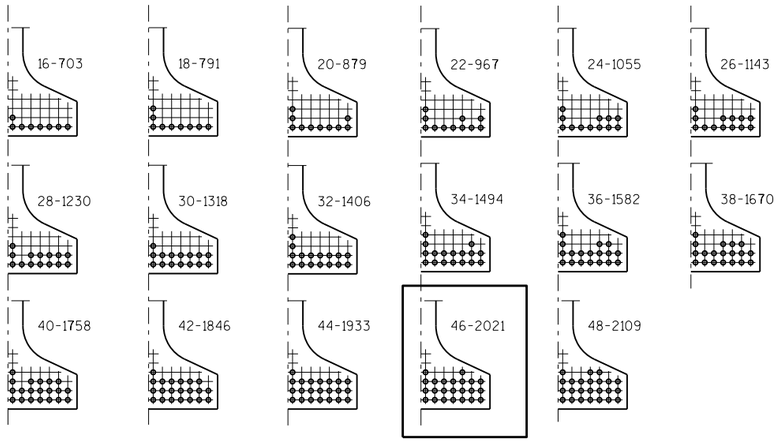
STATE PROJECT NUMBER

1420-29-71



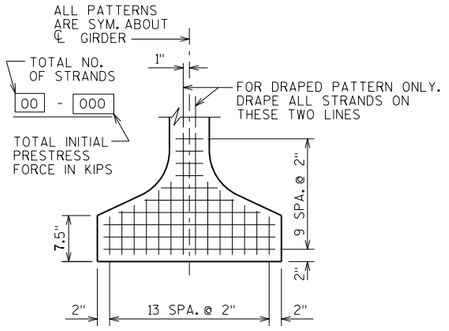
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS

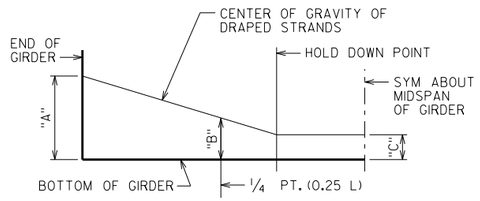


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



TYP. STRAND PATTERN



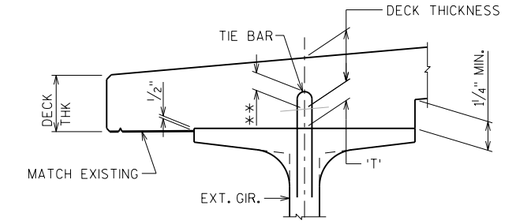
DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
2	4.56

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



DECK HAUNCH DETAIL

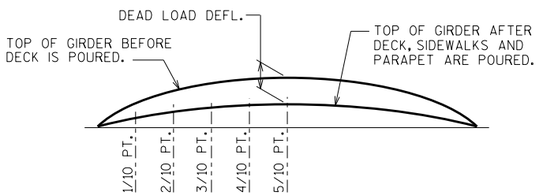
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2⅝" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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72W" PRESTRESSED GIRDER DETAILS 1

SHEET 4

39

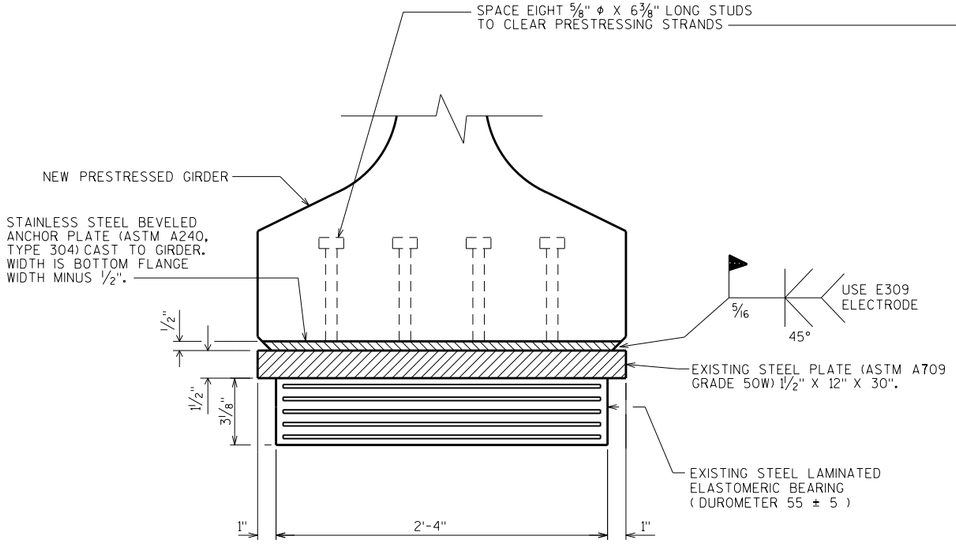
G72W
7-16

SCALE = 1.00

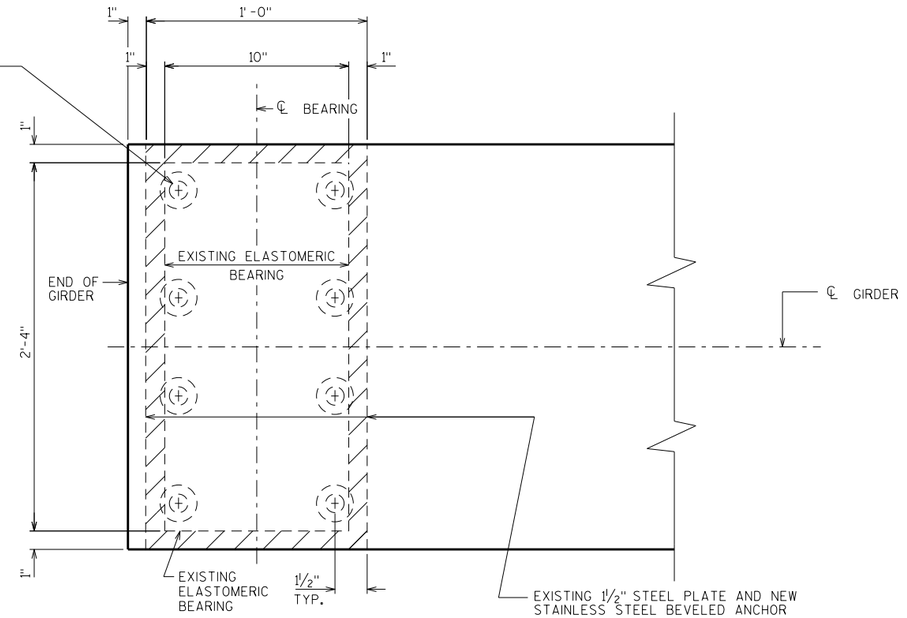
8

STATE PROJECT NUMBER

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END VIEW



PLAN VIEW

BEARING NOTES

REMOVE EXISTING WELDS.

EXISTING BEARINGS ARE TO BE SALVAGED AND REATTACHED TO NEW GIRDER AS SHOWN.

ALL BEARING WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "PRESTRESSED GIRDER TYPE I 72W-INCH".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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PRESTRESSED GIRDER BEARING

SHEET 5

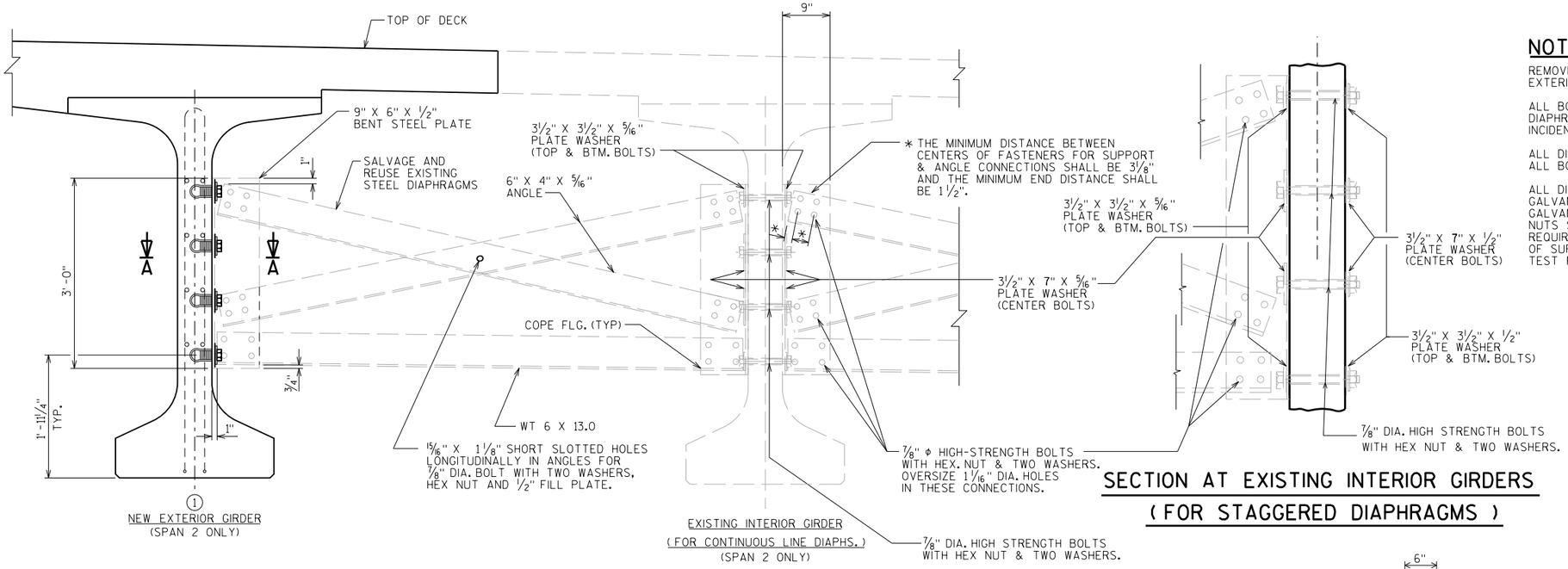
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SCALE = 0.33

BRELASPG
7-11

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SECTION AT EXISTING INTERIOR GIRDERS (FOR STAGGERED DIAPHRAGMS)

NOTES

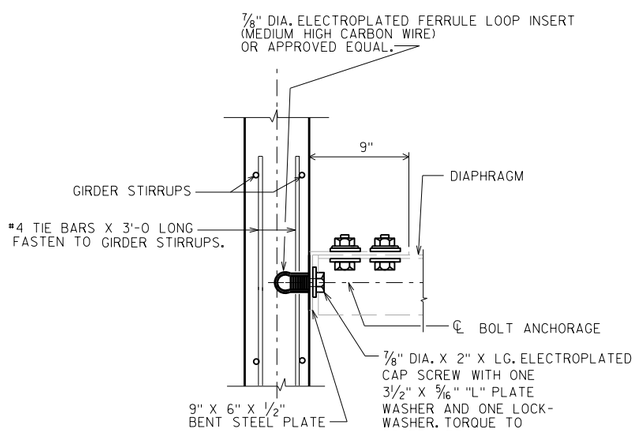
REMOVE AND REATTACH EXISTING STEEL DIAPHRAGMS BETWEEN NEW EXTERIOR GIRDER AND EXISTING INTERIOR GIRDERS (SPAN 2 ONLY).

ALL BOLTS, NUTS AND WASHERS NECESSARY FOR REUSING THE EXISTING DIAPHRAGMS ARE TO BE PROVIDED AND SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "REMOVING OLD STRUCTURE STA. 50+00.00

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.

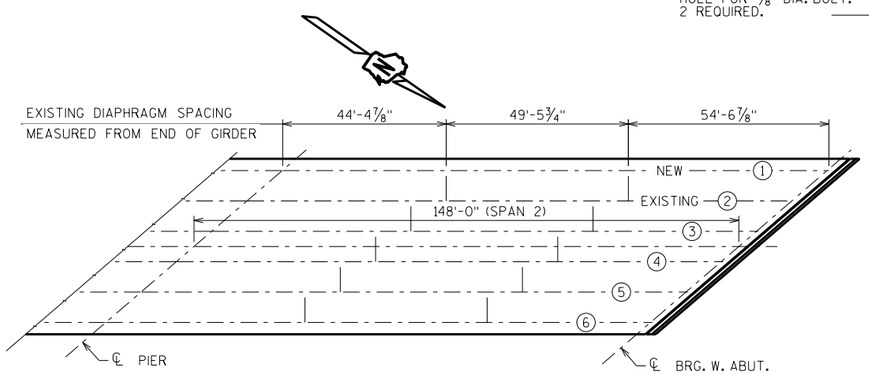
PART TRANSVERSE SECTION AT DIAPHRAGM



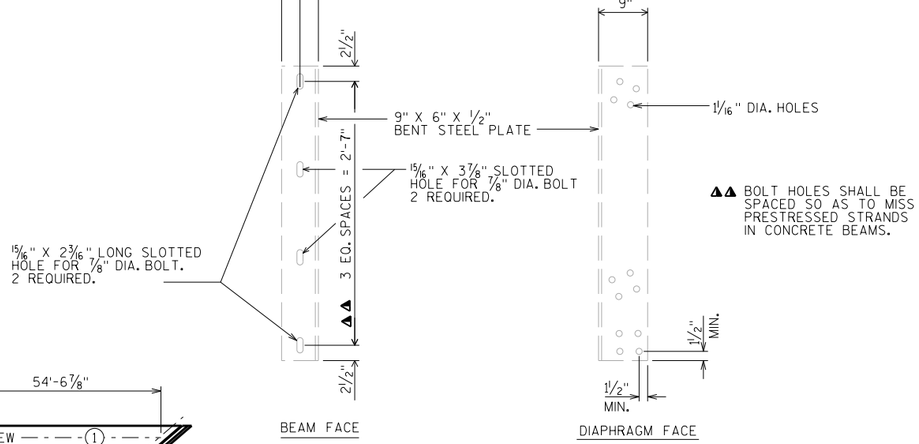
SECT. A-A

(FOR EXTERIOR ATTACHMENT)

"L" = 3 1/2": TOP AND BOTTOM BOLTS
"L" = 7": CENTER BOLTS



EXISTING DIAPHRAGM LAYOUT



DIAPHRAGM SUPPORT

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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STEEL DIAPHRAGM

SHEET 6

41

1-16
GSTDIA70

SCALE = 1.00

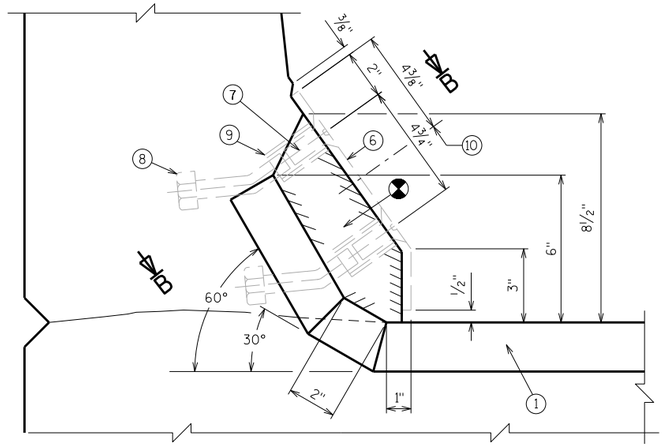
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8

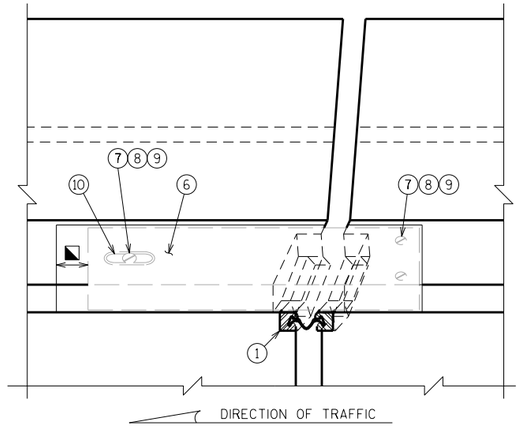
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SECTION A-A

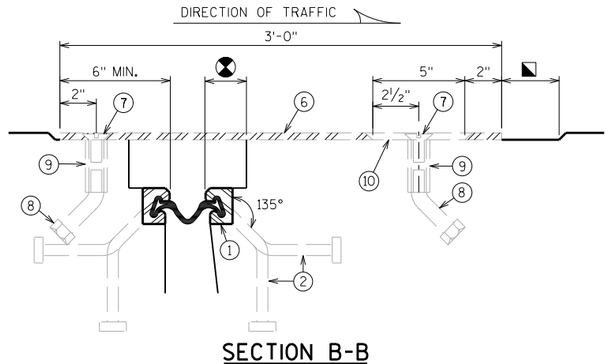


VIEW OF PARAPET PLATE FROM ROADWAY

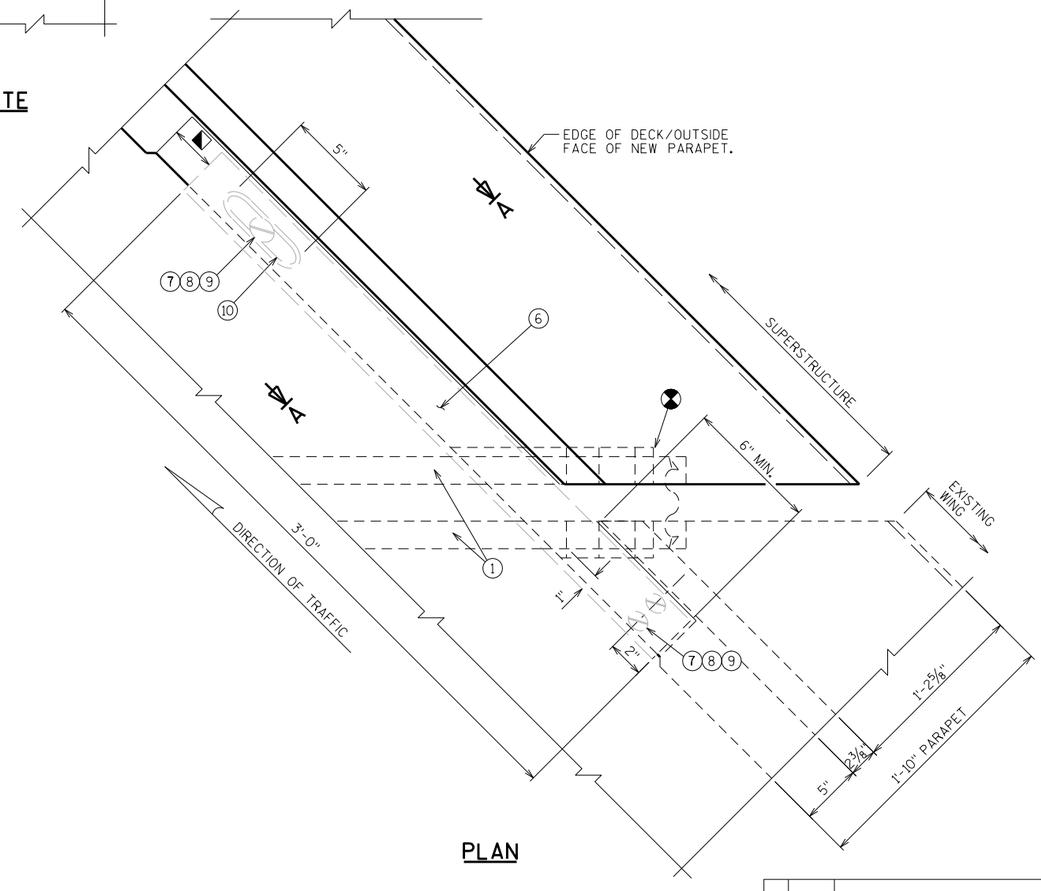
LEGEND

1. EXISTING STRIP SEAL EXPANSION JOINT TO REMAIN.
2. EXISTING STUDS $\frac{5}{8}$"Φ X 6$\frac{3}{8}$" LONG AT 6" ALTERNATE CENTERS.
6. EXISTING GALVANIZED PLATE $\frac{3}{8}$" X 10$\frac{1}{2}$" X 3'-0" LONG WITH HOLES FOR NO. 7.
7. EXISTING $\frac{3}{4}$"Φ X 1$\frac{1}{2}$" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. RECESS $\frac{1}{16}$" BELOW PLATE SURFACE.
8. EXISTING $\frac{3}{4}$"Φ X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. EXISTING $\frac{3}{4}$"Φ X 2$\frac{1}{4}$" GALVANIZED THREADED COUPLING.
10. EXISTING 1" X 5" SLOTTED CSK. HOLE FOR #7. SLOT PARALLEL TO DIRECTION OF MOVEMENT.

SALVAGE AND REUSE THE EXISTING COVERPLATE & ALL RELATED HARDWARE.



SECTION B-B



PLAN

BLOCK OUT CONCRETE 2" SUPERSTRUCTURE SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS $\frac{1}{2}$".

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STATE OF WISCONSIN
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STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

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COVER PLATE DETAILS

SHEET 7

42

SCALE = 1.00

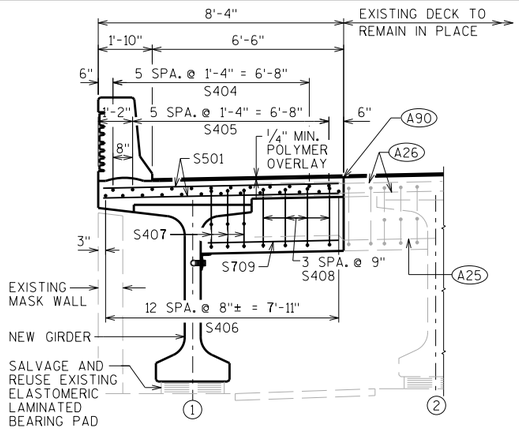
JTSS_SLPFAC
1-14

23 19 8 12

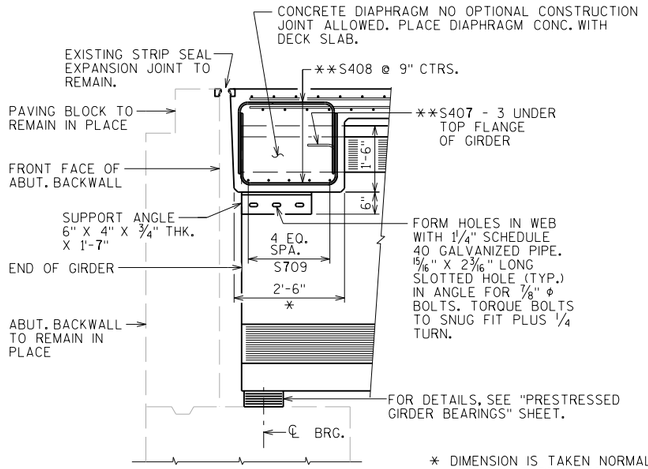
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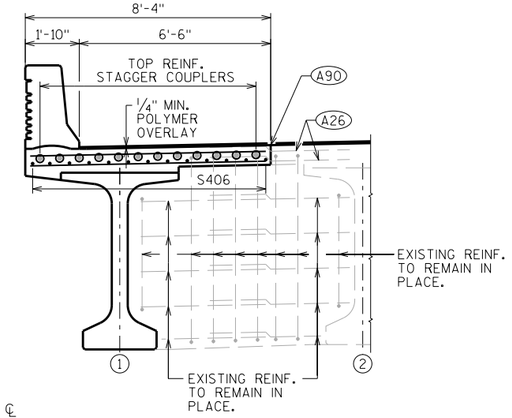


ELEVATION - LOOKING AT ABUT. DIAPH.

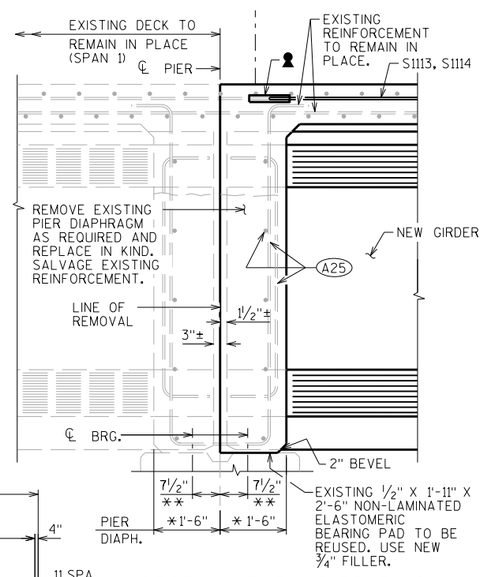


SECTION THRU ABUT. DIAPH.

* DIMENSION IS TAKEN NORMAL TO ℄ SUBSTRUCTURE UNITS.

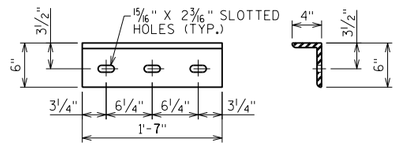


ELEVATION - LOOKING AT PIER DIAPH.



SECTION THRU PIER DIAPH.

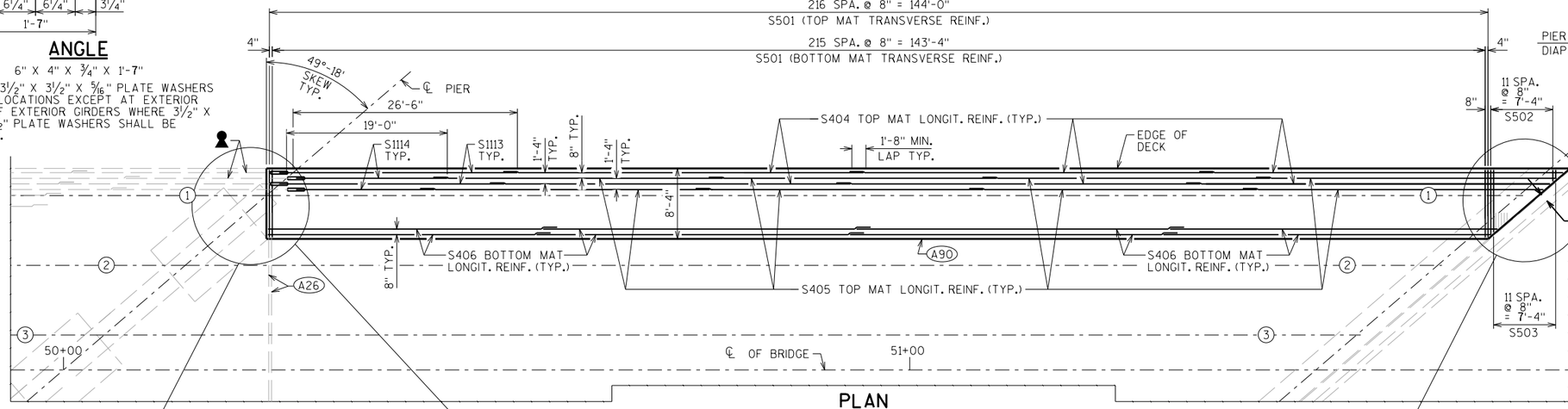
** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS



ANGLE

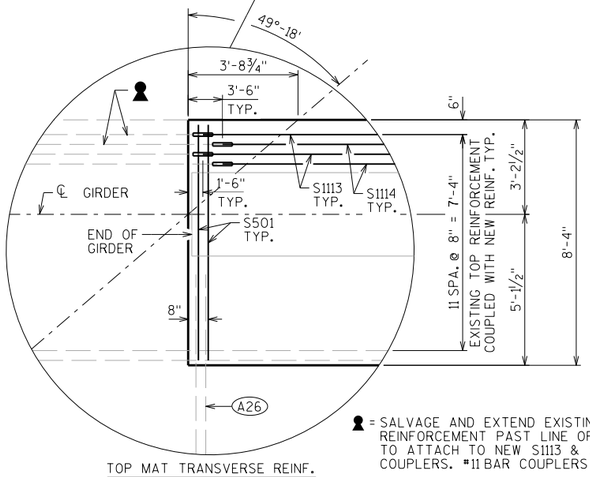
6" X 4" X 3/4" X 1'-7"

PROVIDE 3 1/2" X 3 1/2" X 5/16" PLATE WASHERS AT ALL LOCATIONS EXCEPT AT EXTERIOR FACES OF EXTERIOR GIRDERS WHERE 3 1/2" X 3 1/2" X 1/2" PLATE WASHERS SHALL BE PROVIDED.

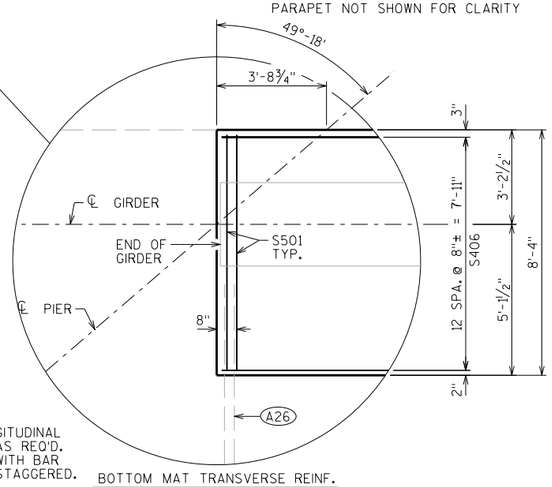


PLAN

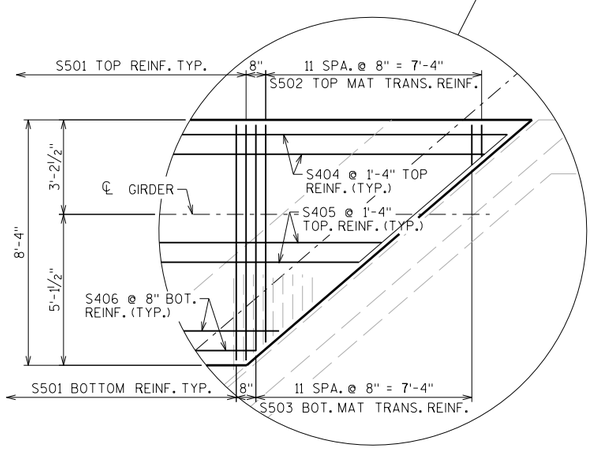
PARAPET NOT SHOWN FOR CLARITY



TOP MAT TRANSVERSE REINF.



BOTTOM MAT TRANSVERSE REINF.



= SALVAGE AND EXTEND EXISTING TOP LONGITUDINAL REINFORCEMENT PAST LINE OF REMOVAL AS REQ'D. TO ATTACH TO NEW S1113 & S1114 BARS WITH BAR COUPLERS. #11 BAR COUPLERS SHALL BE STAGGERED.

NOTES

ALL DIAPHRAGM SUPPORT HARDWARE SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES"

DIAPHRAGM SUPPORT ANGLES SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM SUPPORT HARDWARE INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM SUPPORT ANGLE TO CONCRETE WEB CONNECTION SHALL BE SNUNG FIT PLUS 1/4 TURN. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

(A25) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

(A26) SALVAGE AND REUSE EXISTING TRANSVERSE SLAB REINFORCEMENT AND EXTEND 2'-9" MIN. INTO NEW WORK. LAP 2'-7" MIN. INTO NEW TRANSVERSE REINF.

(A90) LINE OF REMOVAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

DRAWN BY DDS | PLANS CK'D. SDR

SUPERSTRUCTURE

SHEET 8

43

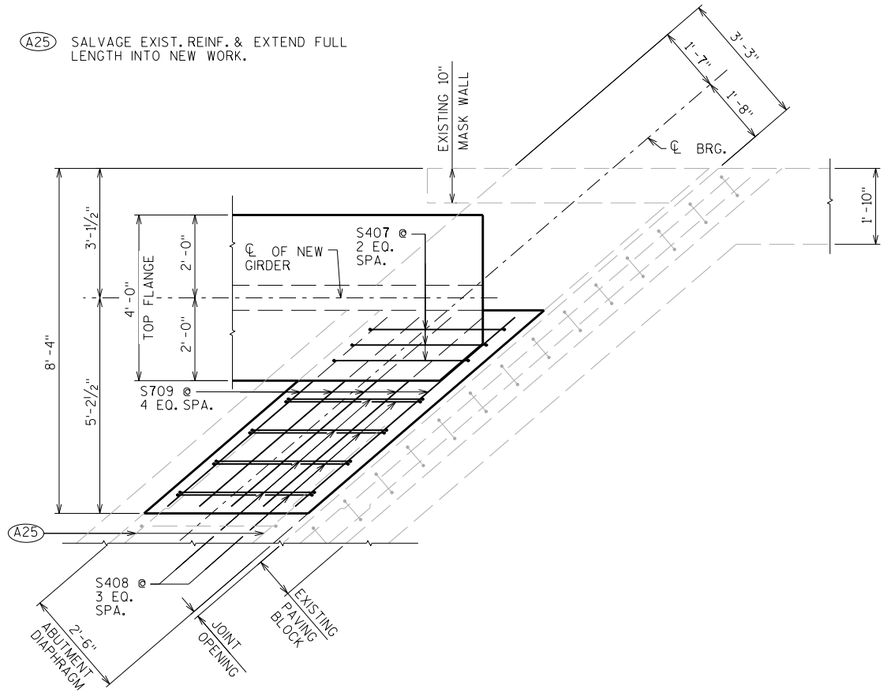
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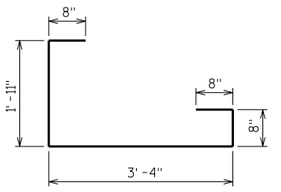
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STATE PROJECT NUMBER

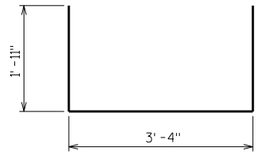
1420-29-71



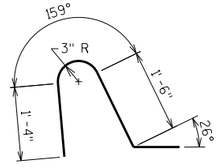
PLAN VIEW AT ABUTMENT DIAPHRAGM



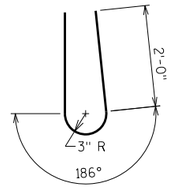
S407



S408



S511



S512

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S501	X	433	8'-0"			DECK - TRANSVERSE - TOP & BOTTOM
S502	X	12	4'-3"		◭	DECK - TRANSVERSE - TOP
S503	X	12	4'-6"		◭	DECK - TRANSVERSE - BOTTOM
S404	X	18	42'-11"			DECK - LONGITUDINAL - TOP
S405	X	24	34'-6"			DECK - LONGITUDINAL - TOP
S406	X	52	39'-7"			DECK - LONGITUDINAL - BOTTOM
S407	X	3	6'-11"	X		ABUT. DIAPH. - VERT. - AT GIRDER
S408	X	8	7'-0"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS 1&2
S709	X	5	7'-0"			ABUT. DIAPH. - HORIZ.
S510	X	20	39'-9"			PARAPET - HORIZ.
S511	X	231	4'-5"	X		PARAPET - VERT.
S512	X	231	4'-10"	X		PARAPET - VERT.
●●● S1113	X	6	25'-10"		◭	DECK - LONGITUDINAL - TOP
●●● S1114	X	6	17'-8"		◭	DECK - LONGITUDINAL - TOP

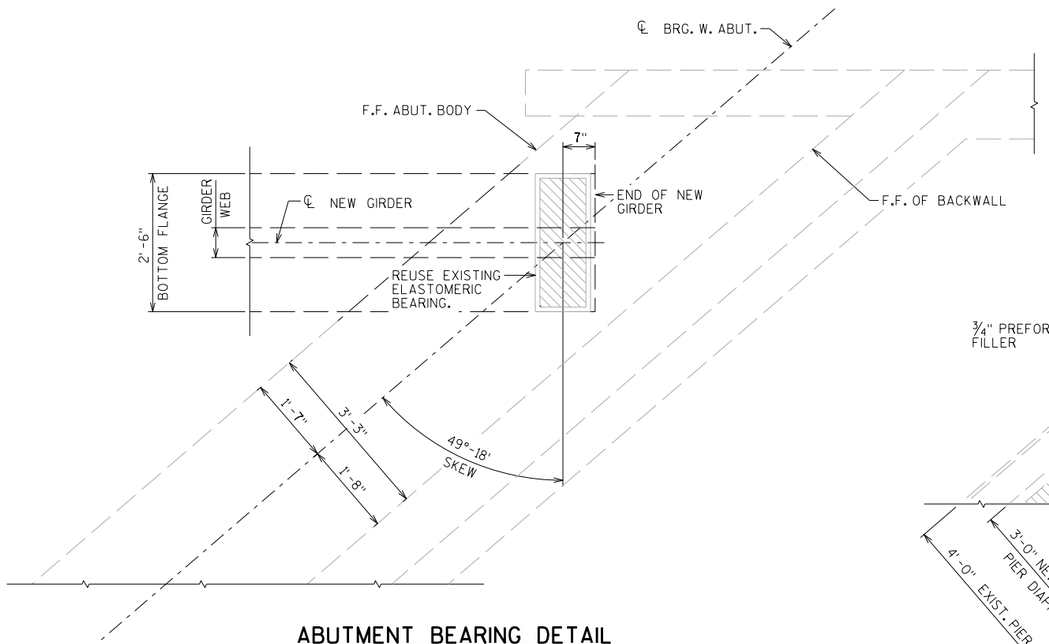
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

●●● BAR COUPLERS USED. BAR LENGTH COMPUTED TO ℄ OF COUPLER & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

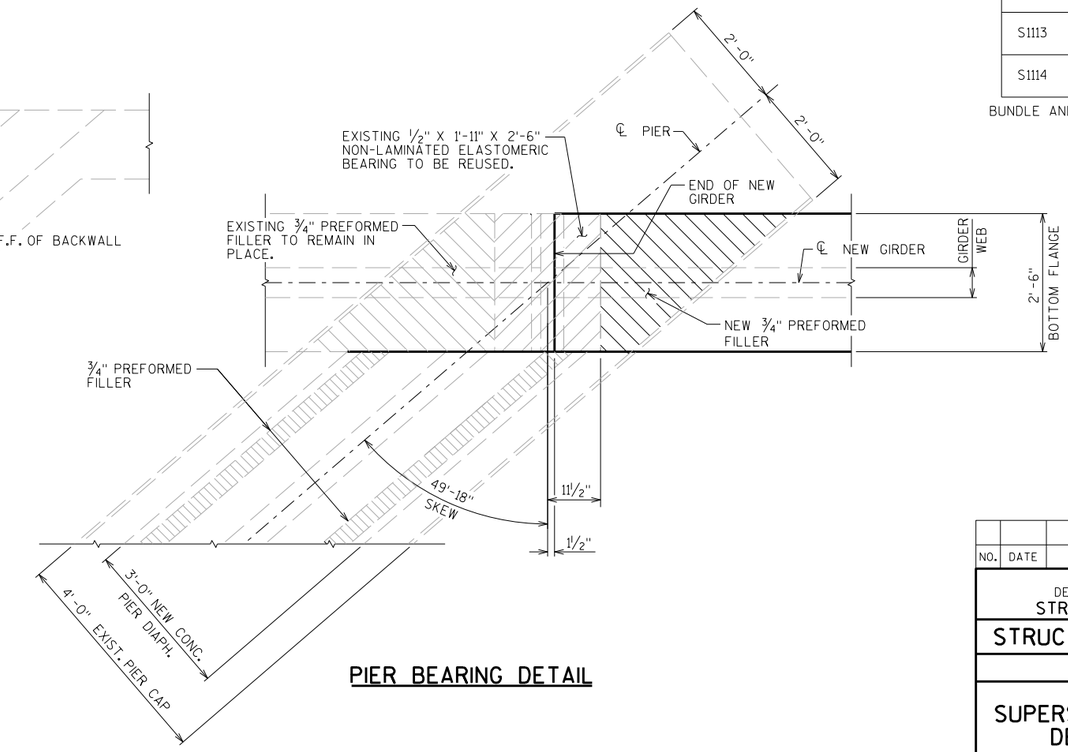
BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S502	1 SERIES OF 12	1'-1" TO 7'-5"
S503	1 SERIES OF 12	1'-5" TO 7'-9"
S1113	1 SERIES OF 6	22'-0" TO 29'-9"
S1114	1 SERIES OF 6	13'-10" TO 21'-6"

BUNDLE AND TAG EACH SERIES SEPARATELY.



ABUTMENT BEARING DETAIL



PIER BEARING DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

DRAWN BY DDS | PLANS CK'D. SDR

SUPERSTRUCTURE DETAILS

SHEET 9

44

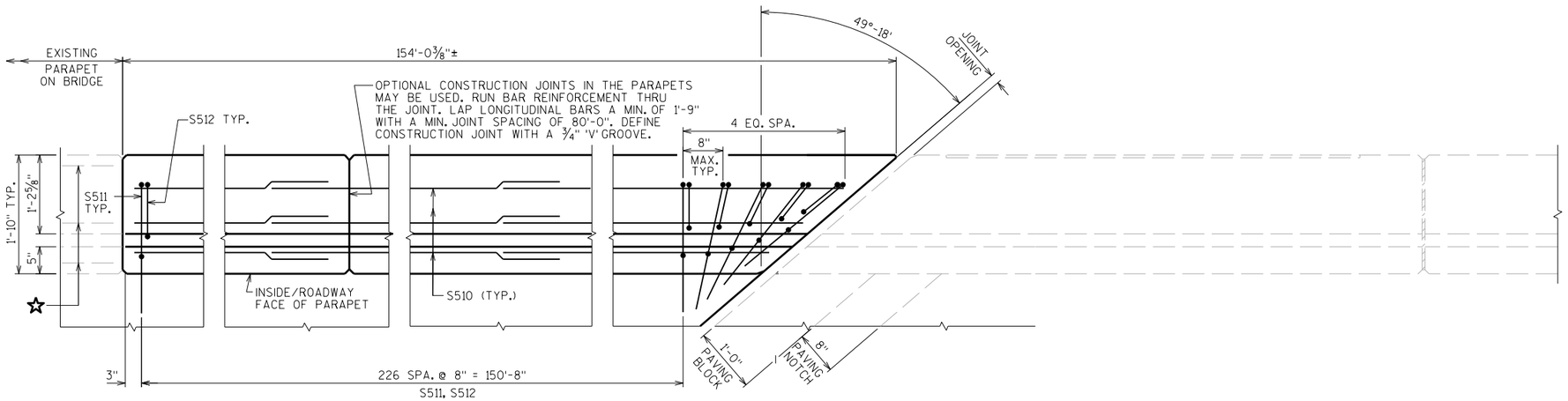
G72WDET
1-13

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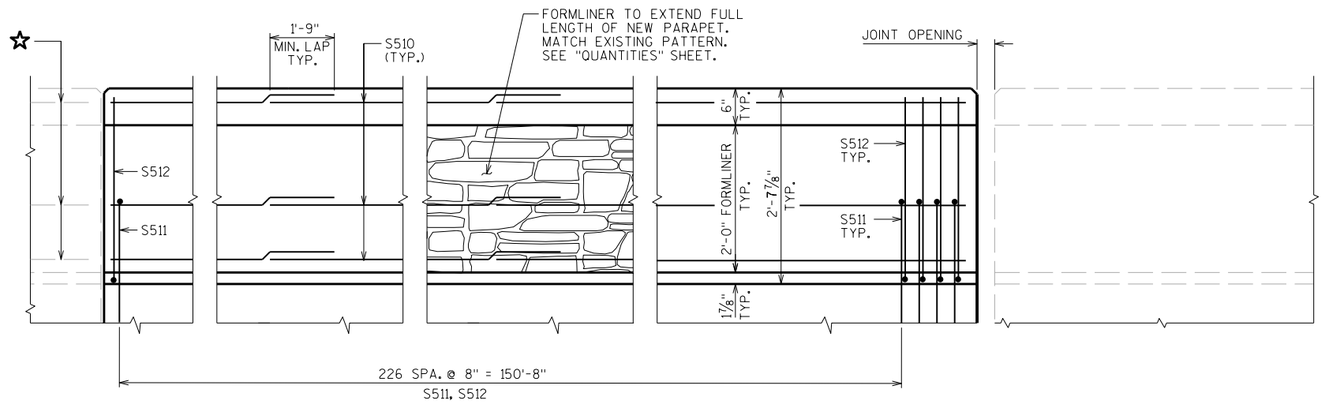
1 2 3 5 7 8 15 19

STATE PROJECT NUMBER

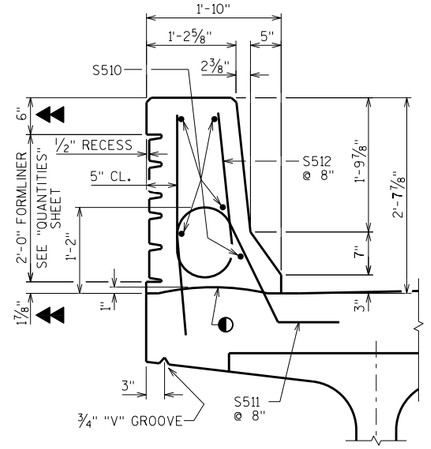
1420-29-71



PLAN



OUTSIDE ELEVATION PARAPET ON BRIDGE



SECTION THRU PARAPET ON THE BRIDGE

MATCH EXISTING

☆ SALVAGE AND REUSE EXISTING HORIZONTAL PARAPET REINFORCEMENT AND EXTEND A MINIMUM OF 2'-0" INTO NEW WORK.

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

◀◀ = PLAIN CONCRETE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-147

DRAWN BY	DDS	PLANS CK'D.	SDR

SLOPED FACE PARAPET LF (MODIFIED)

SHEET 10

45

8

8

7 9101112 7

SCALE = 1.00

STATE PROJECT NUMBER
1420-29-71

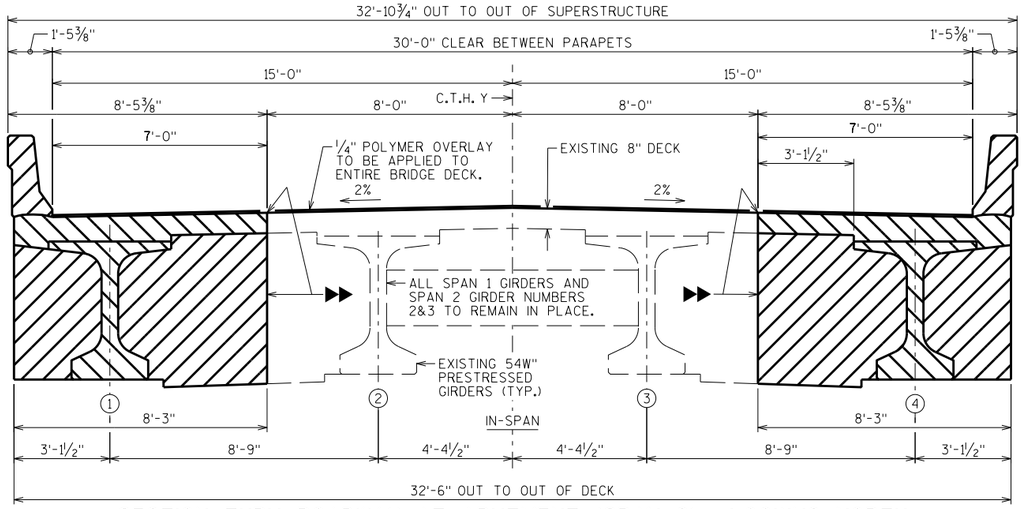
DESIGN DATA

LIVE LOAD:
DESIGN RATING; HS-20
INVENTORY RATING; HS-21
OPERATIONAL RATING; HS-33
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV.) 250 KIPS.

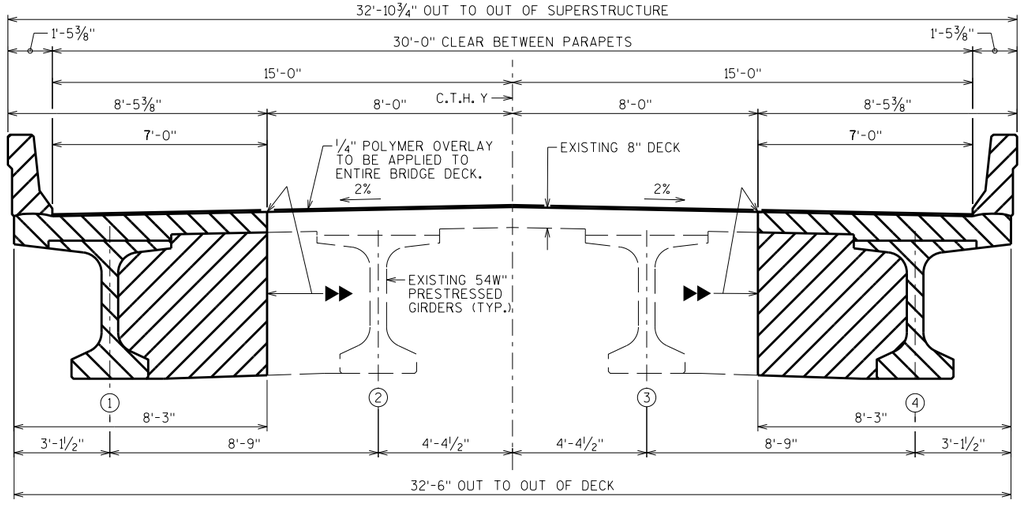
MATERIAL PROPERTIES:
CONCRETE MASONRY:
SUPERSTRUCTURE — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

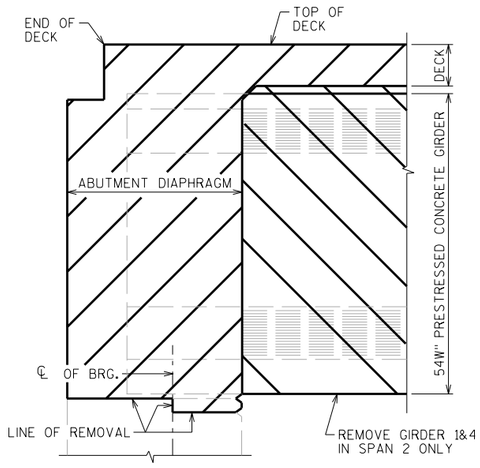
54W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = 8,000 P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.



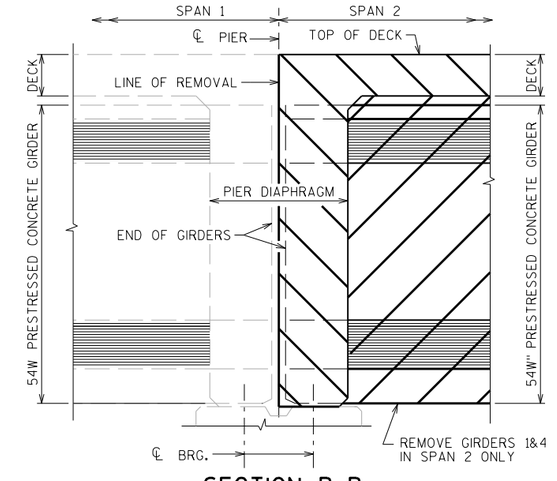
SECTION THRU ROADWAY AT ABUTMENT (SPAN 2) - LOOKING NORTH



SECTION THRU ROADWAY AT PIER (SPAN 2) - LOOKING NORTH

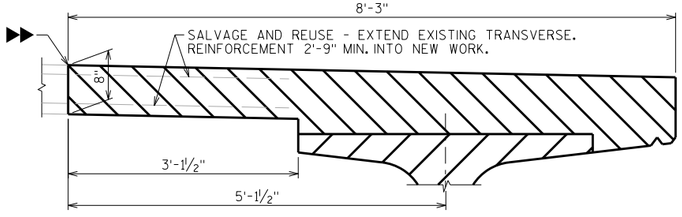


SECTION A-A
AT ABUTMENT

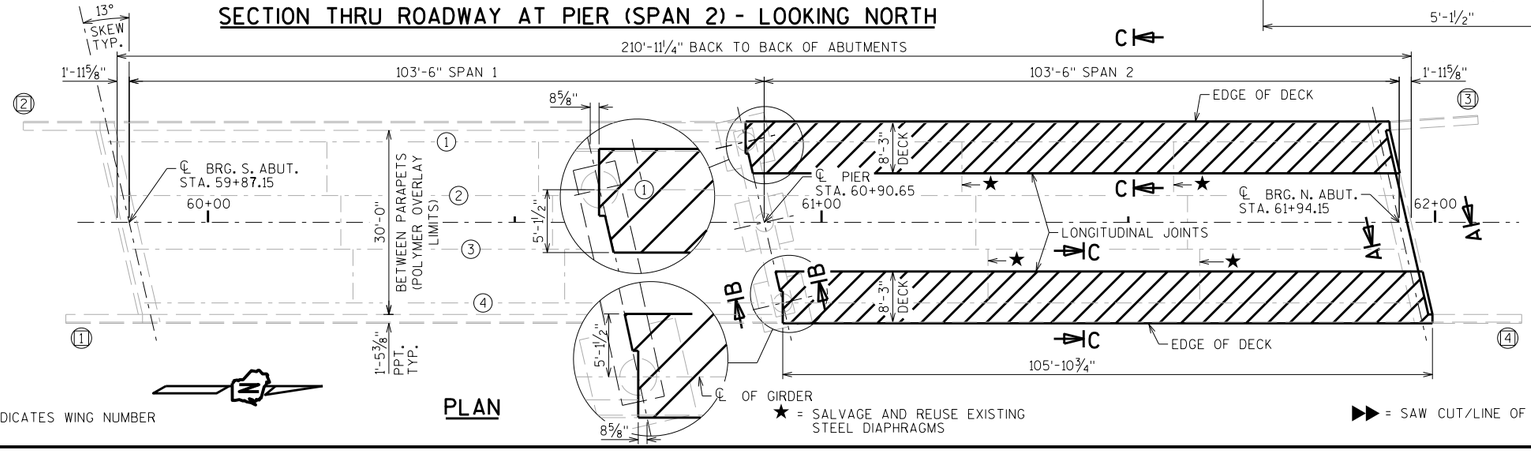


SECTION B-B
AT PIER

PART LONGIT. SECTION



SECTION C-C



PLAN

LIST OF DRAWINGS

1. GIRDER REPLACEMENT/POLYMER OVERLAY
2. QUANTITIES & NOTES
3. 54W" PRESTRESSED GIRDER DETAILS
4. 54W" PRESTRESSED GIRDER DETAILS 1
5. STEEL DIAPHRAGM
6. SUPERSTRUCTURE
7. SUPERSTRUCTURE DIAPH. DETAILS
8. SUPERSTRUCTURE DETAILS

STRUCTURAL DESIGN CONTACTS:
STEVE REVELLO (608) 266-5095
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES
ACCEPTED William C. Dreher 11/6/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-20-157

CTH Y OVER USH 151

COUNTY	TOWN
FOND DU LAC	LAMARTINE

DESIGN SPEC.
REHABILITAION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
SDR		DDS	SDR

GIRDER REPLACEMENT/ POLYMER OVERLAY

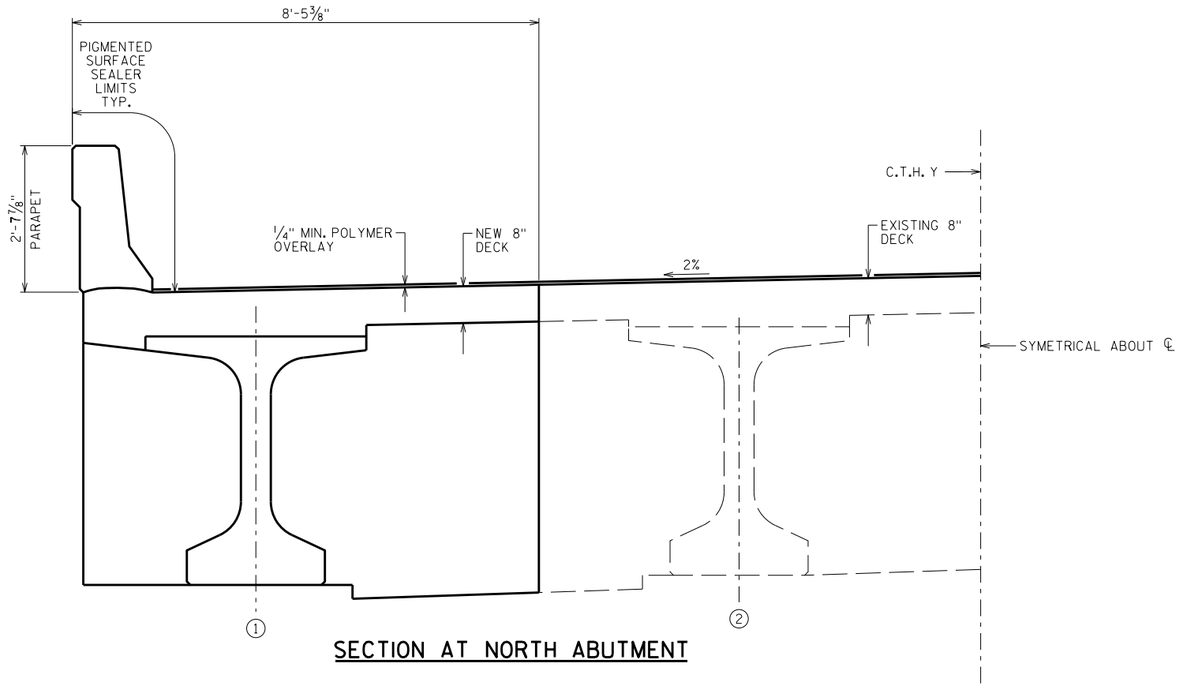
SHEET 1 OF 8

46

I.D. 1420-29-71B

DATE: MAY 2017

SCALE = 12.00



SECTION AT NORTH ABUTMENT

STATE PROJECT NUMBER

1420-29-71

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 3/4"UNLESS OTHERWISE NOTED.

CLEAN AND REUSE ELASTOMERIC BEARING PADS AT PIERS AND ABUTMENTS.

ALL SAW CUTS/LINES OF REMOVAL SHALL BE DEFINED BY A MIN. 1" DEEP SAW CUT.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ANY EXCAVATION NECCESARY TO COMPLETE THE GIRDER REPLACEMENT AT THE NORTH ABUTMENT IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES".

POLYMER OVERLAY IS TO BE APPLIED TO THE ENTIRE EXPOSED DECK SURFACE BOTH NEW AND EXISTING.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF THE NEW PARAPETS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "54W" PRESTRESSED GIRDER DETAILS 1" SHEET.

ROUGHEN SURFACE OF CONCRETE 1/4" DEEP MINIMUM AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0200	REMOVING OLD STRUCTURE STA. 60+90.65	LS	1
502.0100	CONCRETE MASONRY BRIDGES	CY	83
502.3210	PIGMENTED SURFACE SEALER	SY	82
503.0155	PRESTRESSED GIRDER TYPE I 54W-INCH	LF	208
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	14,535
505.0908	BAR COUPLERS NO. 8	EACH	24
509.5100.S	POLYMER OVERLAY	SY	699
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	4
	NON-BID ITEMS		
	FILLER	SIZE	1/2"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

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QUANTITIES & NOTES

SHEET 2

47

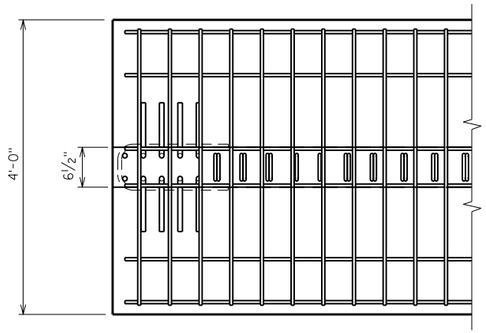
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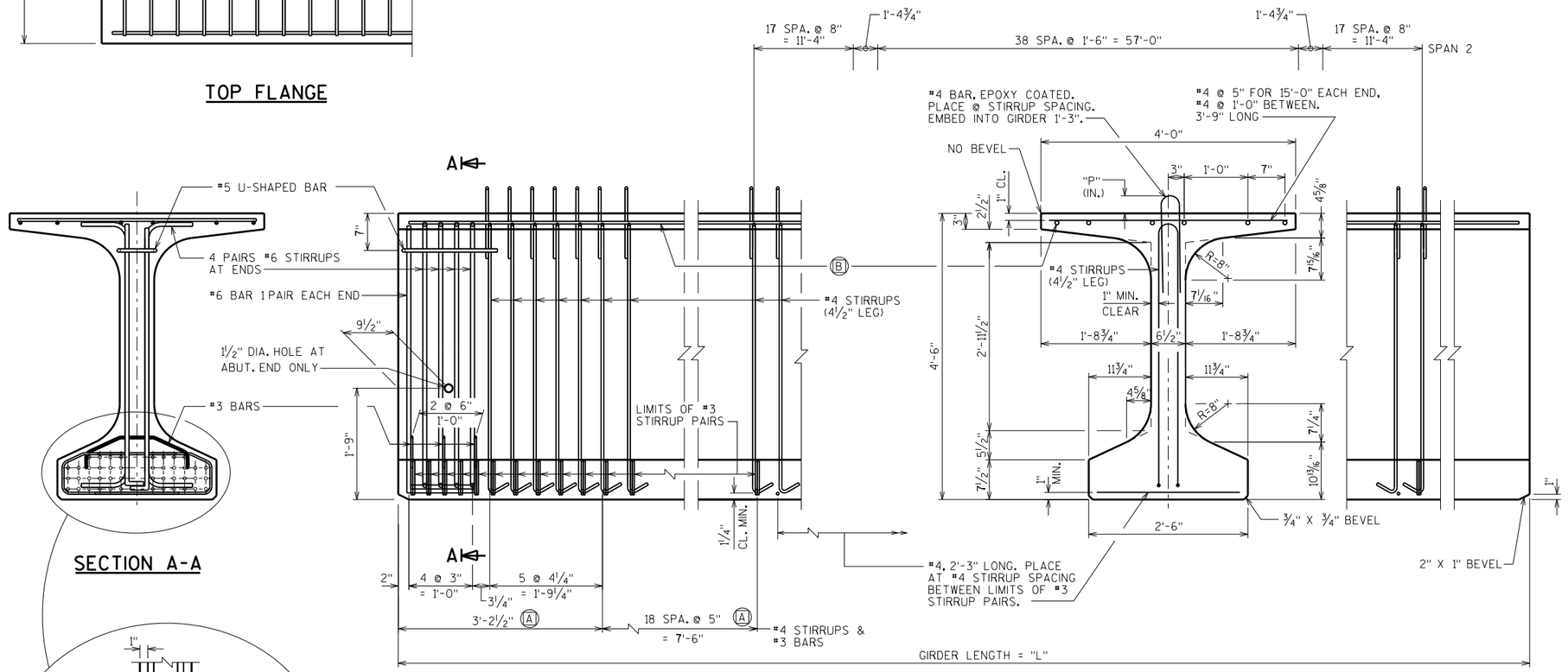
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STATE PROJECT NUMBER

1420-29-71



TOP FLANGE

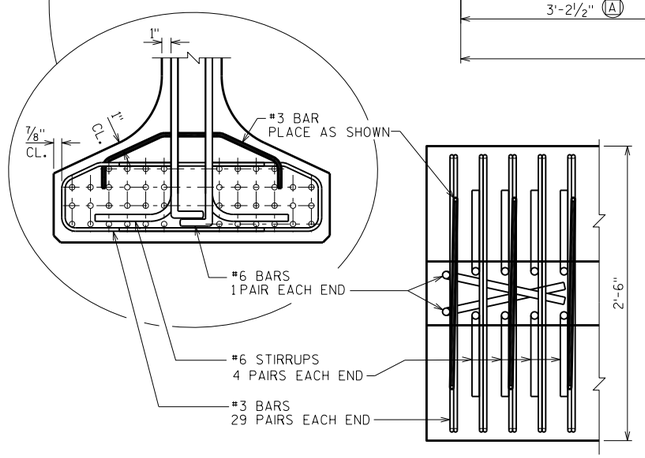


SECTION A-A

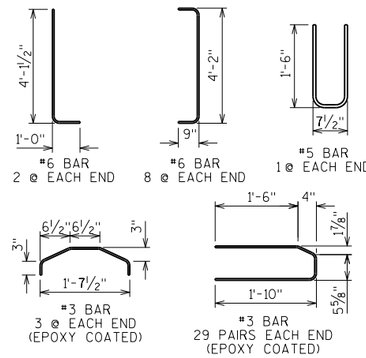
SIDE VIEW & TYP. SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11"



BOTTOM FLANGE



⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L"	DEAD LOAD DEFL. (IN.) 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (p.s.i.)	"P" IST 1/3 OF GIRDER	"P" MID 1/3 OF GIRDER	"P" END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
2	1&4	103.875	.36	.70	.96	1.13	1.20	1.14	.98	.72	.38	8000	7"	7"	7"	0.6"	28	6400	50	15.5	18.5	4		

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

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54W" PRESTRESSED GIRDER DETAILS

SHEET 3

48

1-16
G54W

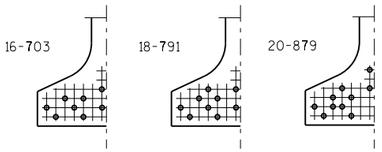
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8

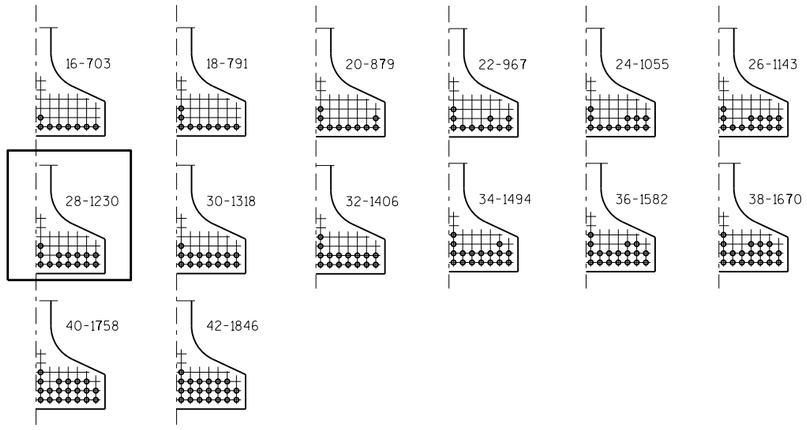
STATE PROJECT NUMBER

1420-29-71



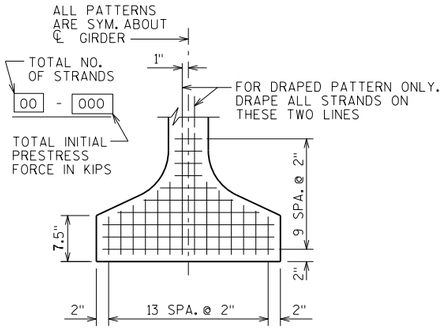
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6"Φ STRANDS

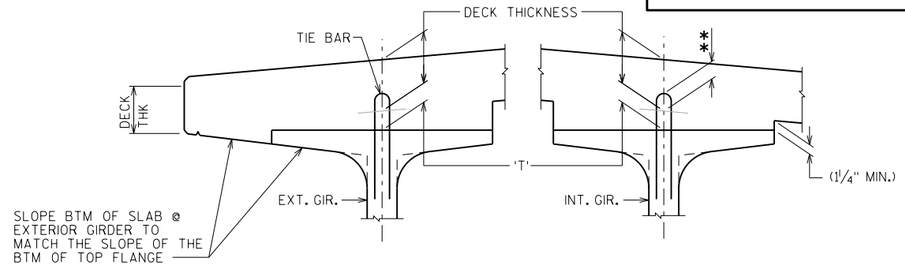


ARRANGEMENT AT ℄ SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6"Φ STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

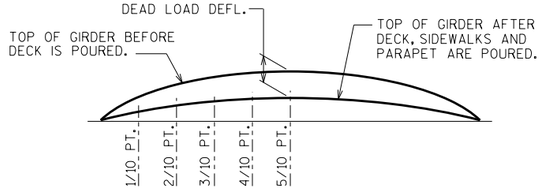
IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

** IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

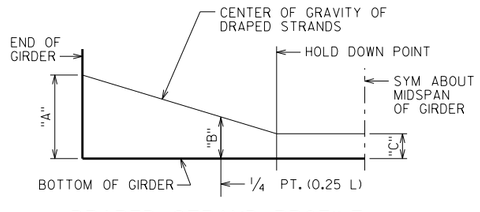
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2½" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".



DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

*THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) *
2	2.32

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

DRAWN BY DDS | PLANS CK'D. SDR

54W" PRESTRESSED GIRDER DETAILS 1

SHEET 4

49

G54W
7-13

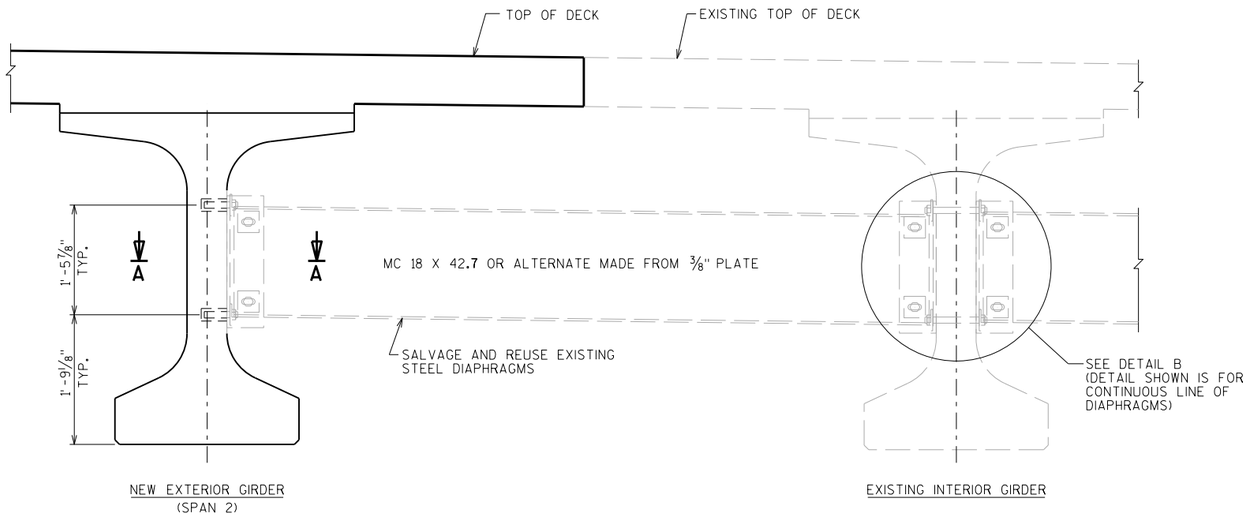
SCALE = 1.00

8 19 9 5 1 2 3

8

STATE PROJECT NUMBER

1420-29-71



PART TRANSVERSE SECTION AT DIAPHRAGM

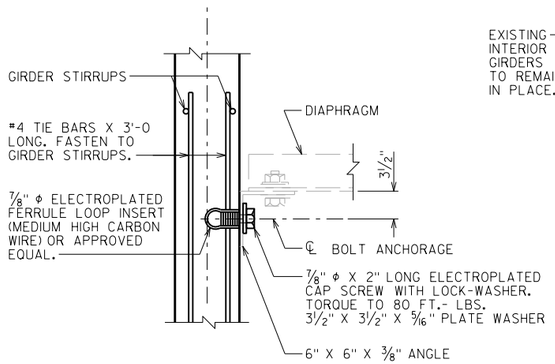
NOTES

REMOVE AND REATTACH EXISTING STEEL DIAPHRAGMS BETWEEN THE NEW EXTERIOR GIRDERS AND THE EXISTING INTERIOR GIRDERS. (SPAN 2 ONLY)

ALL BOLTS, NUTS AND WASHERS NECESSARY FOR REUSING THE EXISTING DIAPHRAGMS TO BE PROVIDED AND SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "REMOVING OLD STRUCTURE STA. 60+90.65".

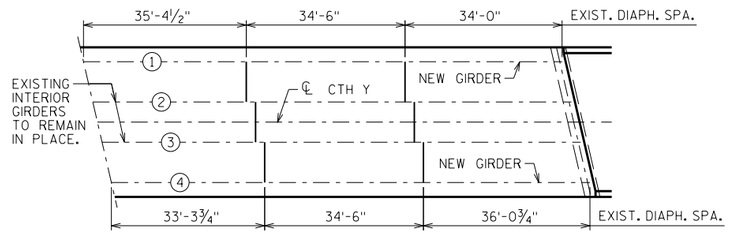
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 TYPE 1.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.

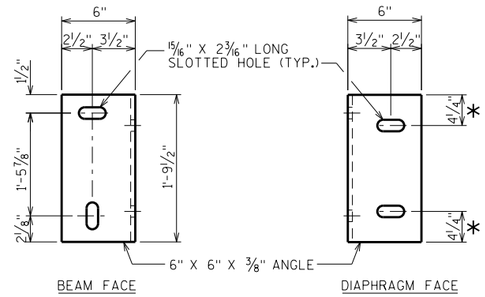


SECTION A-A

(FOR EXTERIOR ATTACHMENT)

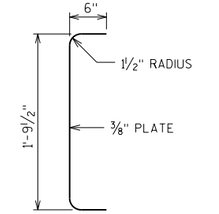


STEEL DIAPHRAGM LAYOUT - SPAN 2

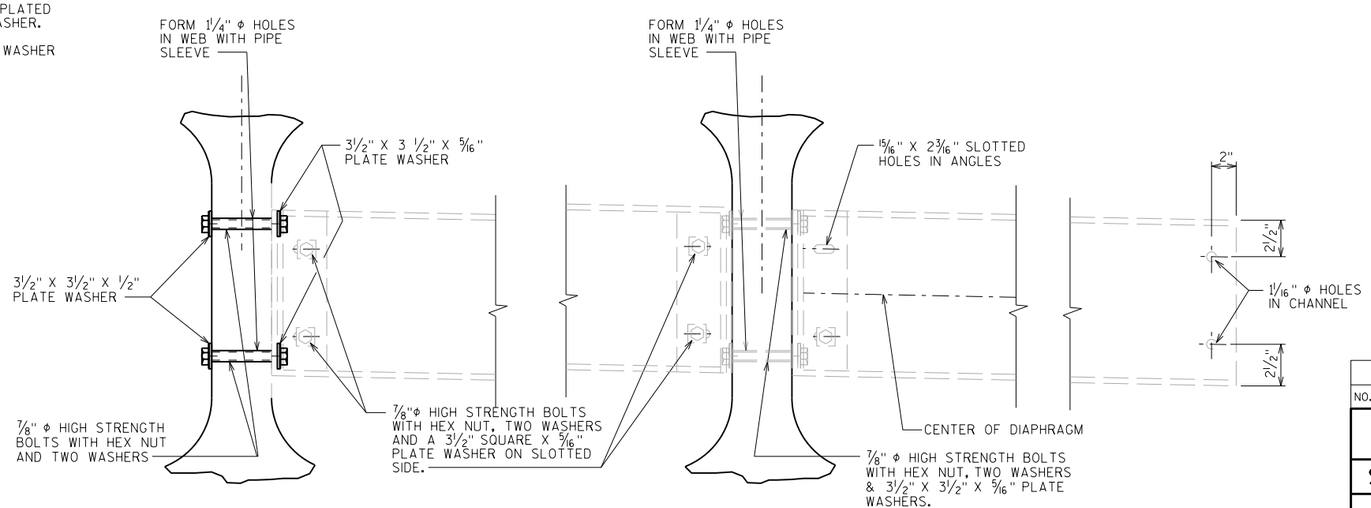


DIAPHRAGM SUPPORT

* 2½" FOR ALTERNATE PLATE DIAPHRAGM



SECTION THRU ALTERNATE DIAPHRAGM



DETAIL B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

DRAWN BY DDS | PLANS CK'D. SDR

STEEL DIAPHRAGM

SHEET 5

50

GSTDIA
7-13

SCALE = 1.00

8

8

(A25) SALVAGE AND REUSE EXISTING REINFORCEMENT AND EXTEND FULL LENGTH INTO NEW WORK.

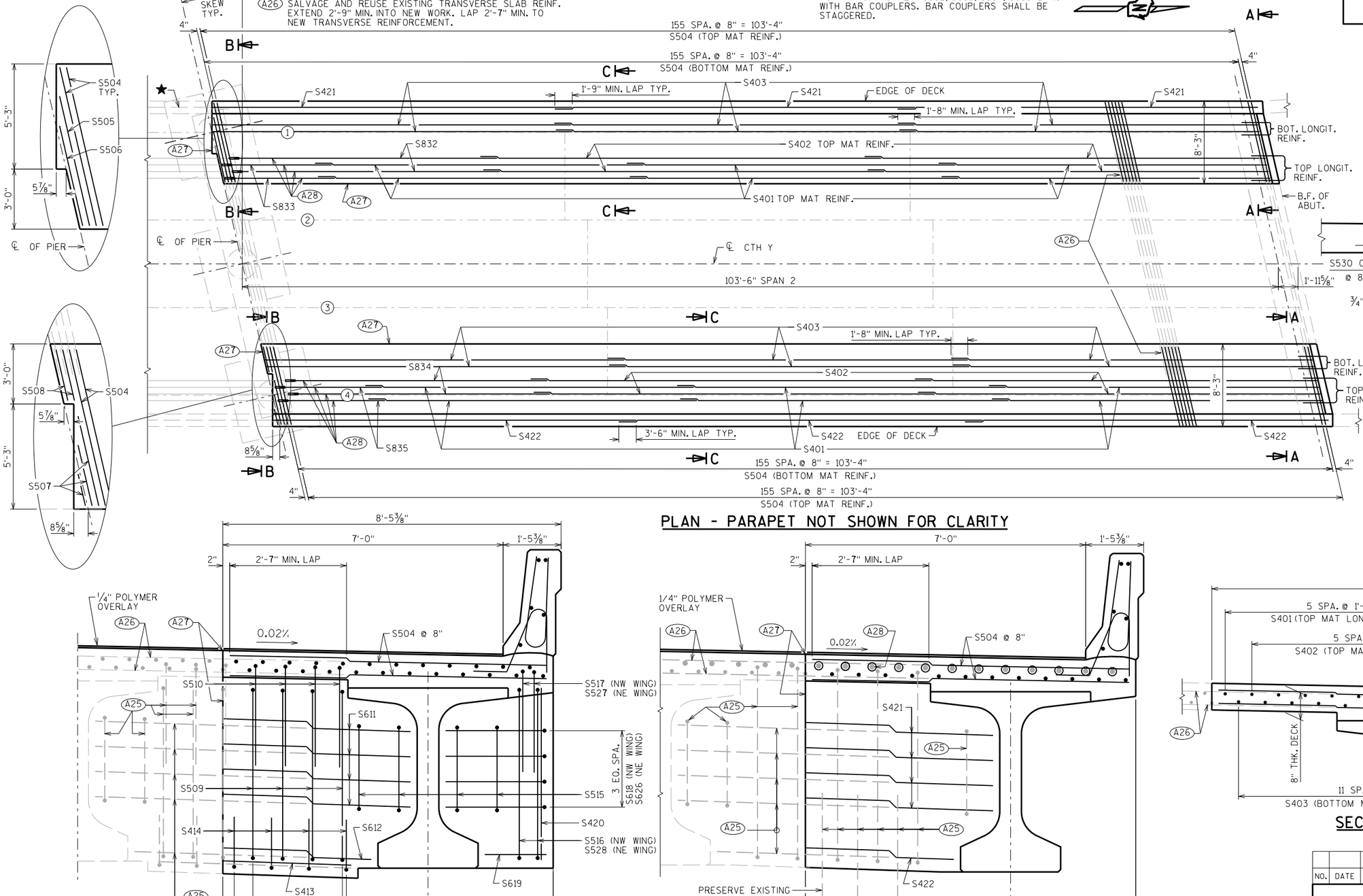
(A26) SALVAGE AND REUSE EXISTING TRANSVERSE SLAB REINF. EXTEND 2'-9" MIN. INTO NEW WORK. LAP 2'-7" MIN. TO NEW TRANSVERSE REINFORCEMENT.

(A27) SAW CUT/LINE OF REMOVAL.

(A28) SALVAGE AND EXTEND EXISTING TOP LONGITUDINAL REINFORCEMENT PAST LINE OF REMOVAL AS REQUIRED TO ATTACH TO NEW S832, S833, S834, S835 BARS WITH BAR COUPLERS. BAR COUPLERS SHALL BE STAGGERED.

STATE PROJECT NUMBER

1420-29-71



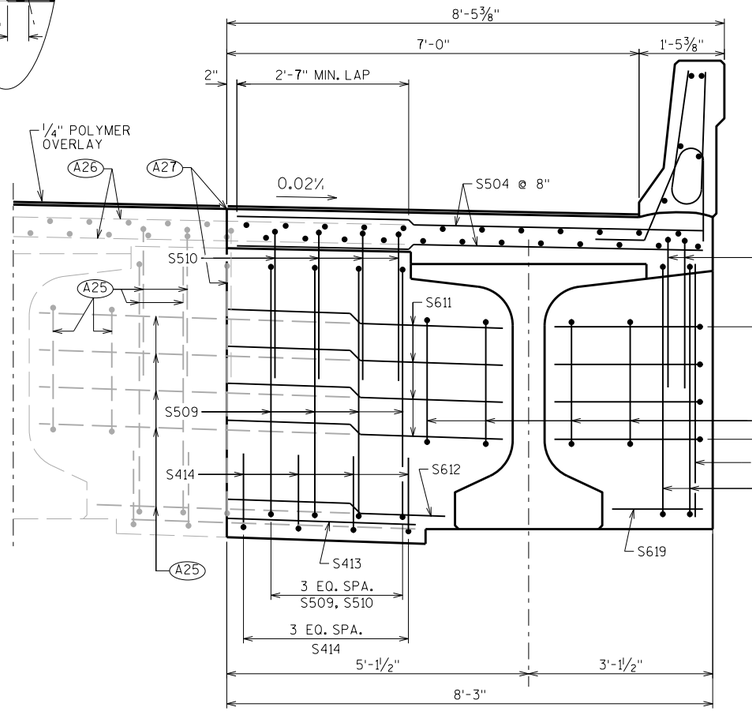
PARAPET SECTION ON BRIDGE

MATCH EXISTING

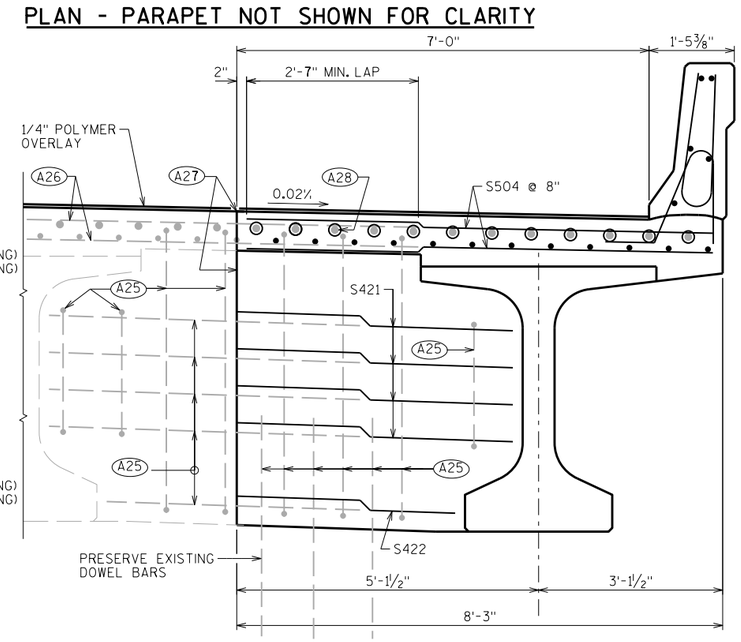
◑ = CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.

NOTE:
OPTIONAL CONSTRUCTION JOINTS IN PARAPETS MAY BE USED. RUN BAR REINFORCEMENT THRU THE JOINT. LAP LONGITUDINAL BARS A MIN. OF 1'-9". MINIMUM JOINT SPACING OF 80'-0". DEFINE CONST. JOINTS WITH A ¾" V-GROOVE.

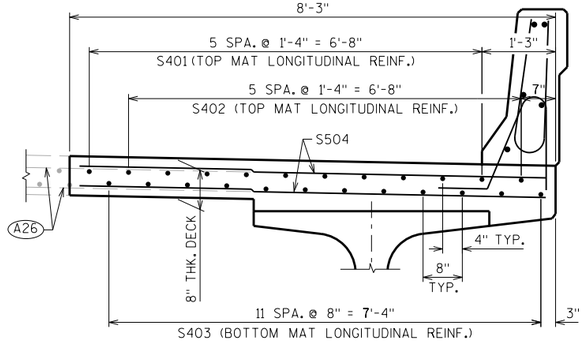
PLAN - PARAPET NOT SHOWN FOR CLARITY



SECTION A-A



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

DRAWN BY DDS | PLANS CK'D. SDR

SUPERSTRUCTURE

SHEET 6

51

SCALE = 10.00

8

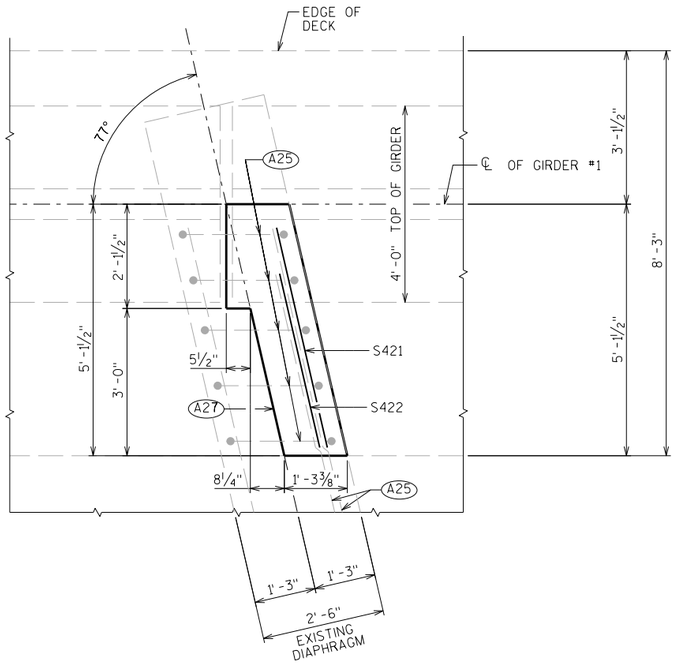
8

STATE PROJECT NUMBER

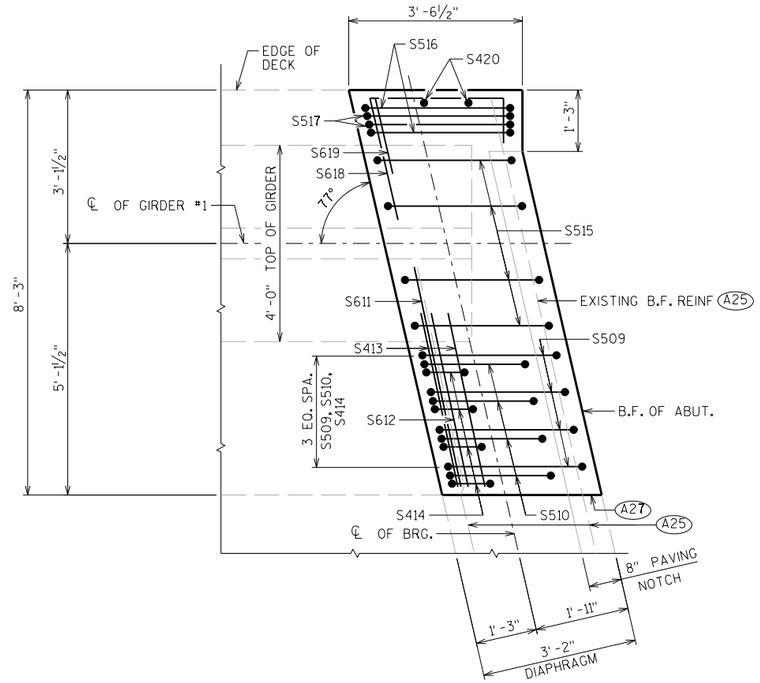
1420-29-71

(A25) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

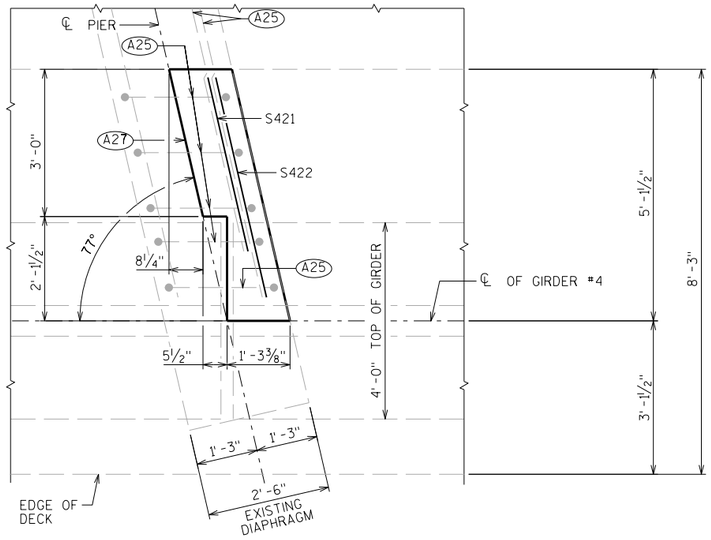
(A27) LINE OF BACKWALL REMOVAL.



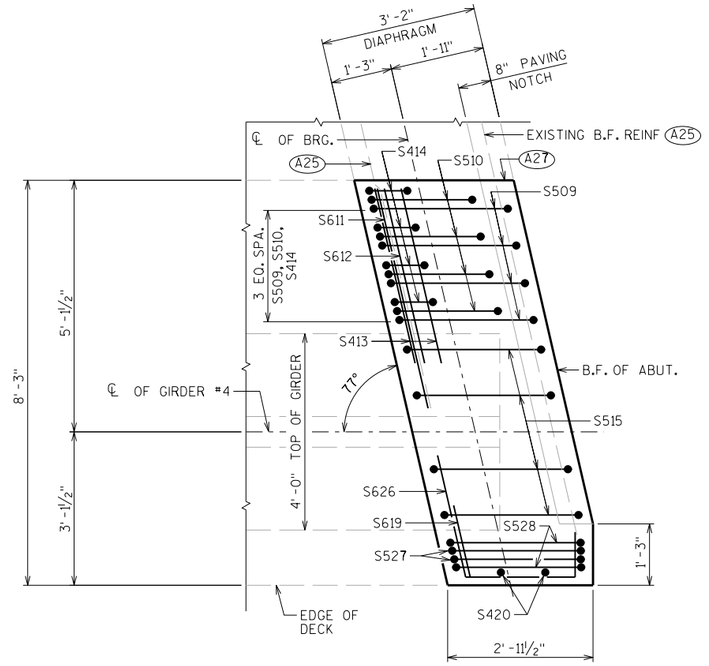
PLAN - (SPAN 2) WEST END OF PIER



PLAN - (SPAN 2) NW CORNER



PLAN - (SPAN 2) EAST END OF PIER



PLAN - (SPAN 2) NE CORNER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

DRAWN BY DDS | PLANS CK'D. SDR

SUPERSTRUCTURE DIAPH. DETAILS

SHEET 7

52

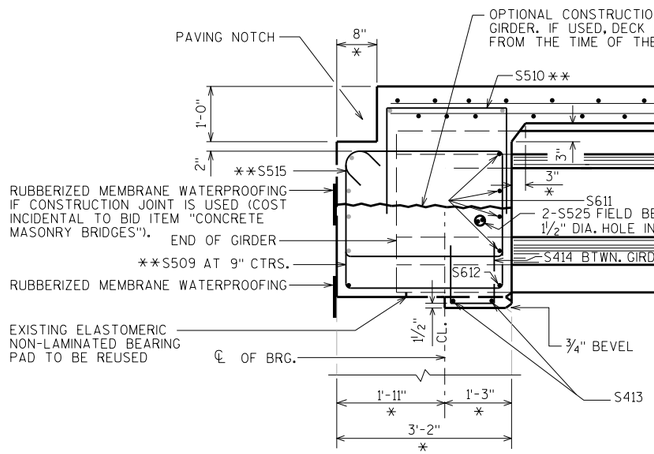
SCALE = 3.00

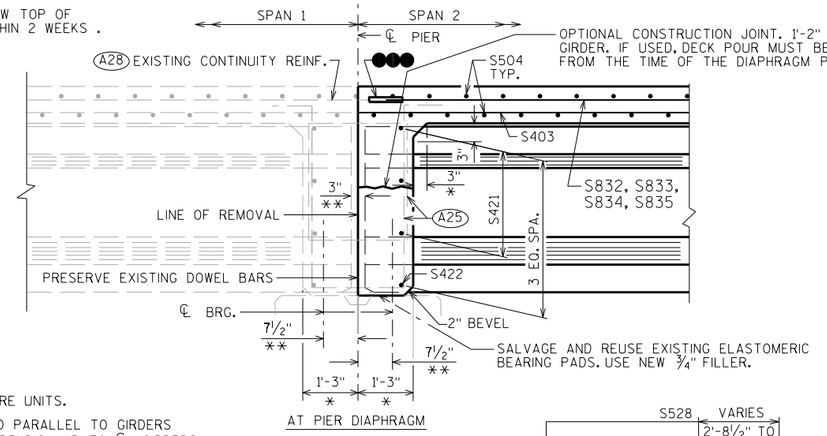
8

8

STATE PROJECT NUMBER

1420-29-71





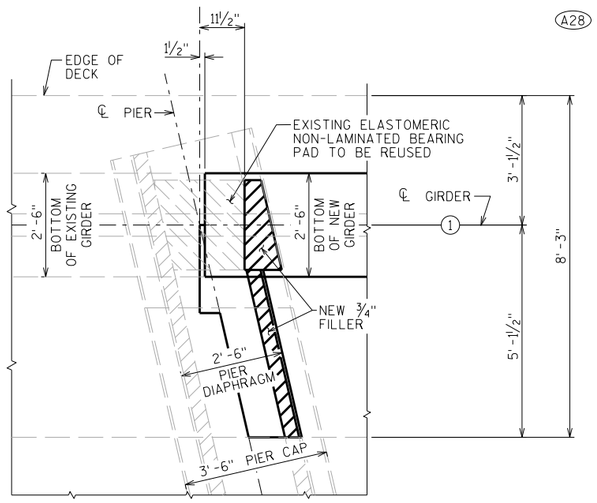
* SUBSTRUCTURE UNITS.

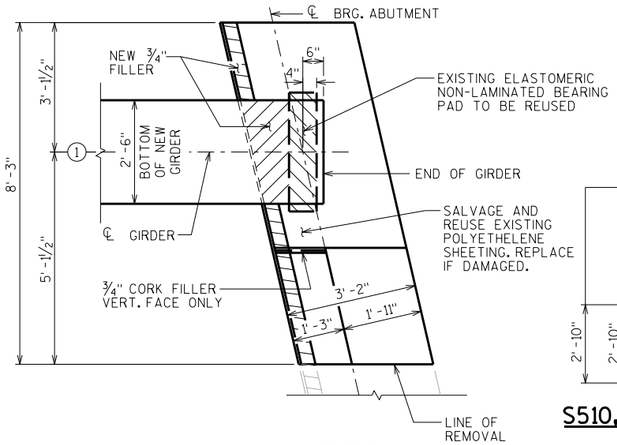
** BARS PLACED PARALLEL TO GIRDERS SPACING PERPENDICULAR TO ℄ GIRDERS

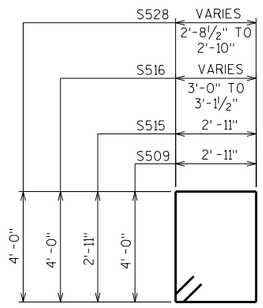
PART. LONGIT. SECTION

(A25) SALVAGE EXIST. REINF. & EXTEND FULL LENGTH INTO NEW WORK.

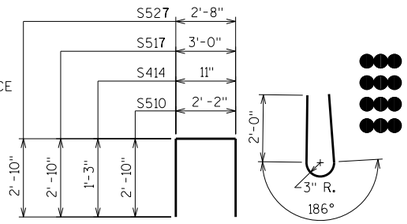
(A28) SALVAGE AND EXTEND EXISTING TOP LONGITUDINAL REINFORCEMENT PAST LINE OF REMOVAL AS REQUIRED TO ATTACH NEW S832, S833, S834 & S835 BARS WITH BAR COUPLERS. BAR COUPLERS SHALL BE STAGGERED.







S509, S515, S516, S528



S510, S414, S517, S527

S529

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	36	32'-10"			DECK - LOGITUDINAL - TOP
S402	X	24	40'-1"			DECK - LONGITUDINAL - TOP
S403	X	72	36'-0"			DECK - LONGITUDINAL - BOTTOM
S504	X	624	8'-1"			DECK - TRANSVERE - TOP & BOTTOM
S505	X	1	6'-7"			DECK - TRANSVERSE - TOP - END
S506	X	1	5'-1"			DECK - TRANSVERSE - BOT. - END
◭ S507	X	3	3'-1"		◭	DECK - TRANSVERSE - TOP & BOT. - END
S508	X	2	2'-7"			DECK - TRANSVERSE - TOP & BOT. - END
S509	X	8	14'-6"	X		ABUT. DIAPH. - STIRRUPS
S510	X	8	7'-7"	X		ABUT. DIAPH. - VERT.
S611	X	8	4'-7"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S612	X	1	3'-8"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S413	X	4	3'-0"			ABUT. DIAPH. - HORIZ. - BTWN. GIRDERS
S414	X	8	3'-3"	X		ABUT. DIAPH. - VERT. - BTWN. GIRDERS
S515	X	8	12'-4"	X		ABUT. DIAPH. - STIRRUPS AT GIRDERS
◭ S516	X	2	14'-9"	X	◭	ABUT. DIAPH. - STIRRUPS - NW ENDS
S517	X	2	8'-4"	X		ABUT. DIAPH. - VERT. - NW END
S618	X	4	6'-1"	X		ABUT. DIAPH. - HORIZ. - NW END
S619	X	2	1'-6"			ABUT. DIAPH. - HORIZ. - N ENDS
S420	X	4	5'-3"			ABUT. DIAPH. - VERT. - ENDS
S421	X	6	4'-8"			PIER DIAPH. - HORIZ. - BTWN. GIRDERS
S422	X	2	3'-7"			PIER DIAPH. - HORIZ. - BTWN. GIRDERS
S523	X	15	36'-0"			PARAPET - HORIZ. - NW PARAPET
S524	X	15	36'-4"			PARAPET - HORIZ. - NE PARAPET
S525	X	4	6'-0"			ABUT. DIAPH. - HORIZ. - THRU GIRDERS
S626	X	4	5'-7"	X		ABUT. DIAPH. - HORIZ. - NE END
S527	X	2	8'-1"	X		ABUT. DIAPH. - VERT. - NE END
◭ S528	X	2	14'-3"	X	◭	ABUT. DIAPH. - STIRRUPS - NE END
S529	X	315	4'-10"	X		PARAPET - VERT.
S530	X	315	4'-2"	X		PARAPET - VERT.
S531	X	2	4'-7"	X		PARAPET - VERT. - AT PAVING NOTCH
●●● S832	X	6	30'-0"			DECK - LONGITUDINAL - TOP
●●● S833	X	6	13'-0"			DECK - LONGITUDINAL - TOP
●●● S834	X	6	30'-0"			DECK - LONGITUDINAL - TOP
●●● S835	X	6	13'-0"			DECK - LONGITUDINAL - TOP

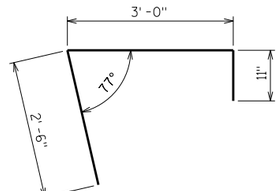
◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

●●● #8 BAR COUPLERS USED. BAR LENGTH COMPUTED TO ℄ OF COUPLER & SHALL BE MODIFIED IF REQUIRED TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

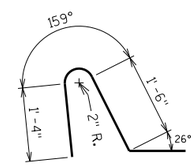
BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S507	1 SERIES OF 3	1'-7" TO 4'-7"
S516	1 SERIES OF 2	14'-8" TO 14'-11"
S528	1 SERIES OF 2	14'-1" TO 14'-4"

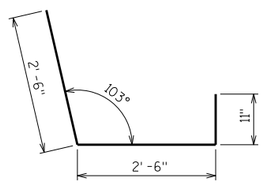
BUNDLE AND TAG EACH SERIES SEPARATELY.



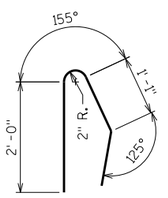
S618



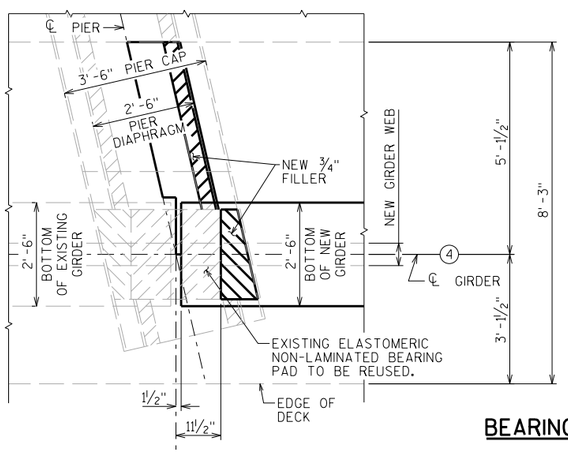
S530

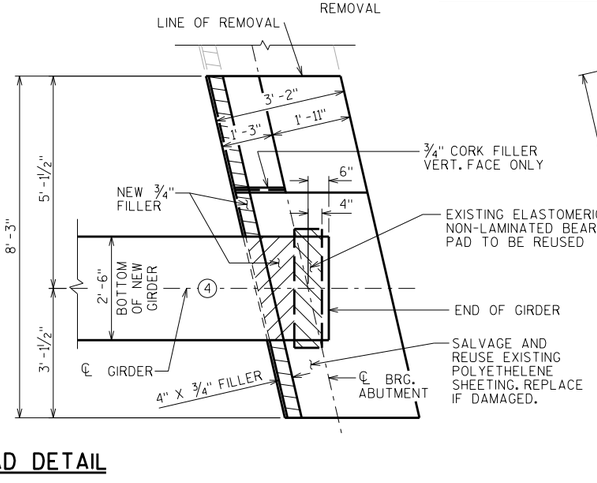


S626



S531





BEARING PAD DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-157

DRAWN BY DDS | PLANS CK'D. SDR

SUPERSTRUCTURE DETAILS

SHEET 8

53

SCALE = 1.33

8

8

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

GRE MARCH 2018

PROJECT ID: 4110-26-71
WITH: N/A

COUNTY: FOND DU LAC

28

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 = 390

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EDEN - FOND DU LAC
E VILLAGE LIMITS - S CITY LIMITS
USH 45
FOND DU LAC COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4110-26-71	WISC 2018159	1



END PROJECT 4110-26-71
STA 452+91.36

STATE PROJECT NUMBER
4110-26-71

EXCEPTION TO NET CENTERLINE LENGTH
STA 386+25.38 TO STA 398+74.00

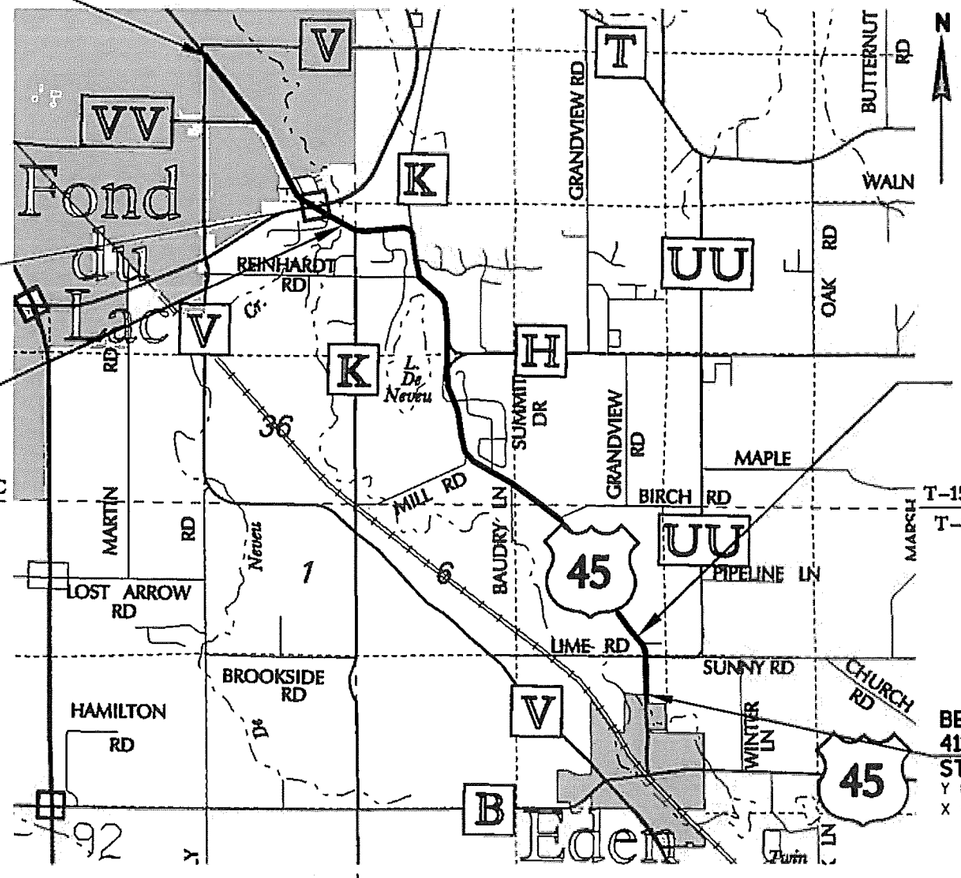
STRUCTURE B-20-74

STRUCTURE C-20-111

T-15-N, FOND DU LAC
T-14-N, BYRON

T-15-N, EMPIRE
T-14-N, EDEN

BEGIN PROJECT
4110-26-71
STA 151+91.07
Y = 356,901.139
X = 839,167.517



R-17-E | R-18-E

LAYOUT
SCALE 0 1/2 MI 1 MI

TOTAL NET CENTERLINE = 5.464 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), FOND DU LAC COUNTY, NAD 1983 (91)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 NAVD 88 (91)

DESIGN DESIGNATION

		USH 45	CTH H
A.A.D.T. (2017)	=	4750	1500
A.A.D.T. (2037)	=	5750	1700
D.H.V. (K100, 2037)	=	10.3	15.1
D.D.	=	60/40	59/41
T. (DHV)	=	5.6	2.8
DESIGN SPEED	=	50-60 MPH	35
ESALS	=	839,500	160,600

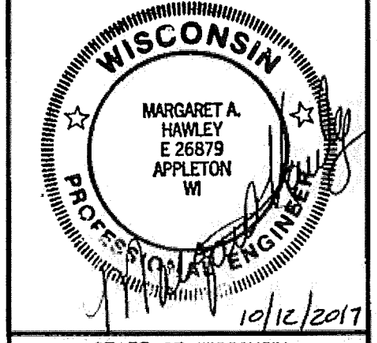
CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE (PL + SBL)
- 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)
- COMBUSTIBLE FLUIDS (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)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	OMNNI ASSOCIATES, INC
Project Manager	BRYAN LEARST
Regional Examiner	
Regional Supervisor	ROBERT WAGNER

APPROVED FOR THE DEPARTMENT
DATE: 10/16/17 (Signature)

1 E

41102671_010101_ti

WISDOT/CADDS SHEET 15

UTILITIES

ANR PIPELINE COMPANY (GAS/PETROLEUM)
ERIC BARTH
W8715 TOWER DRIVE
ADELL, WI 53001
TELEPHONE: (262) 626-3437
MOBILE: (920) 547-0316
EMAIL: ERIC_BARTH@TRANSCANADA.COM

ATC
CHRIS DAILEY
PO BOX 47
WAUKESHA WI 53187-0047
TELEPHONE: (262) 506-6884
E-MAIL: CDAILEY@ATCLLC.COM

AT&T (TELEPHONE)
CHUCK BARTLET
70 E DIVISION ST
FOND DU LAC, WI 54935
TELEPHONE: (920) 929-1013
MOBILE:(920) 410-5104
E-MAIL: CB1461@ATT.COM

CHARTER COMMUNICATIONS (COMMUNICATIONS)
TODD HILDEBRANDT
165 KNIGHTS WAY, SUITE 100
FOND DU LAC, WI 54935
TELEPHONE: (920) 263-0428
E-MAIL: TODD.HILDEBRANDT@CHARTER.COM

CITY OF FOND DU LAC (SEWER)
PAUL DEVRIES
106 S MACY STREET
FOND DU LAC, WI 54935
TELEPHONE: (920) 322-3473
E-MAIL: PDEVRIES@FDL.WI.GOV

CITY OF FOND DU LAC DEPARTMENT (WATER)
TRAVIS KLOETZKE
P. O. BOX 150
FOND DU LAC, WI 54936+0150
TELEPHONE: (920) 322-2683
MOBILE: (920) 539-5743
EMAIL: TKLOETZKE@FDL.WI.GOV

EMPIRE SANITARY DISTRICT #1 - SEWER
DOUG SABEL
W 3150 CTH H
FOND DU LAC, WI 54937
TELEPHONE: (920) 904+5579
EMAIL: DOUG@SABELMECHANICAL.COM

FOND DU LAC SANITARY DISTRICT #4 - SEWER
MAX FRANZEN
100 CAMELOT DRIVE
FOND DU LAC, WI 54935
TELEPHONE: (920) 322-1726
MOBILE: (920) 251-6354
EMAIL: MAXWELL.F@EXCELENGINEER.COM

UTILITIES (CONTINUED)

GUARDIAN PIPELINE (GAS/PETROLEUM)
ADAM THEIS
128 MB LANE
CHILTON, WI 53014
TELEPHONE: (262) 374-2756
EMAIL: ADAM.THEIS@ONEOK.COM

WE ENERGIES (ELECTRIC)
AL SCHMITT
245 SAND DRIVE
WEST BEND, WI 53095
TELEPHONE: (262) 338-7662
EMAIL:ALAN.SCHMITT@WE-ENERGIES.COM

ALLIANT ENERGY (GAS/PETROLEUM)
BILL BASTION
883 W SCOTT STREET
FOND DU LAC, WI 54937
TELEPHONE: (920) 322-6716
EMAIL: WILLIAMBASTION@ALLIANTENERGY.COM

ALLIANT ENERGY (ELECTRIC)
BILL BASTION
883 W SCOTT STREET
FOND DU LAC, WI 54937
TELEPHONE: (920) 322-6716
EMAIL: WILLIAMBASTION@ALLIANTENERGY.COM

FRONTIER COMMUNICATIONS (COMMUNICATION)
CAL KLADE
1851 N 14TH AVE
WAUSAU, WI 54401
TELEPHONE: (715) 847-1525
MOBILE: (715) 573-2110
EMAIL: CALVIN.KLADE@FTR.COM

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

GENERAL NOTES

LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

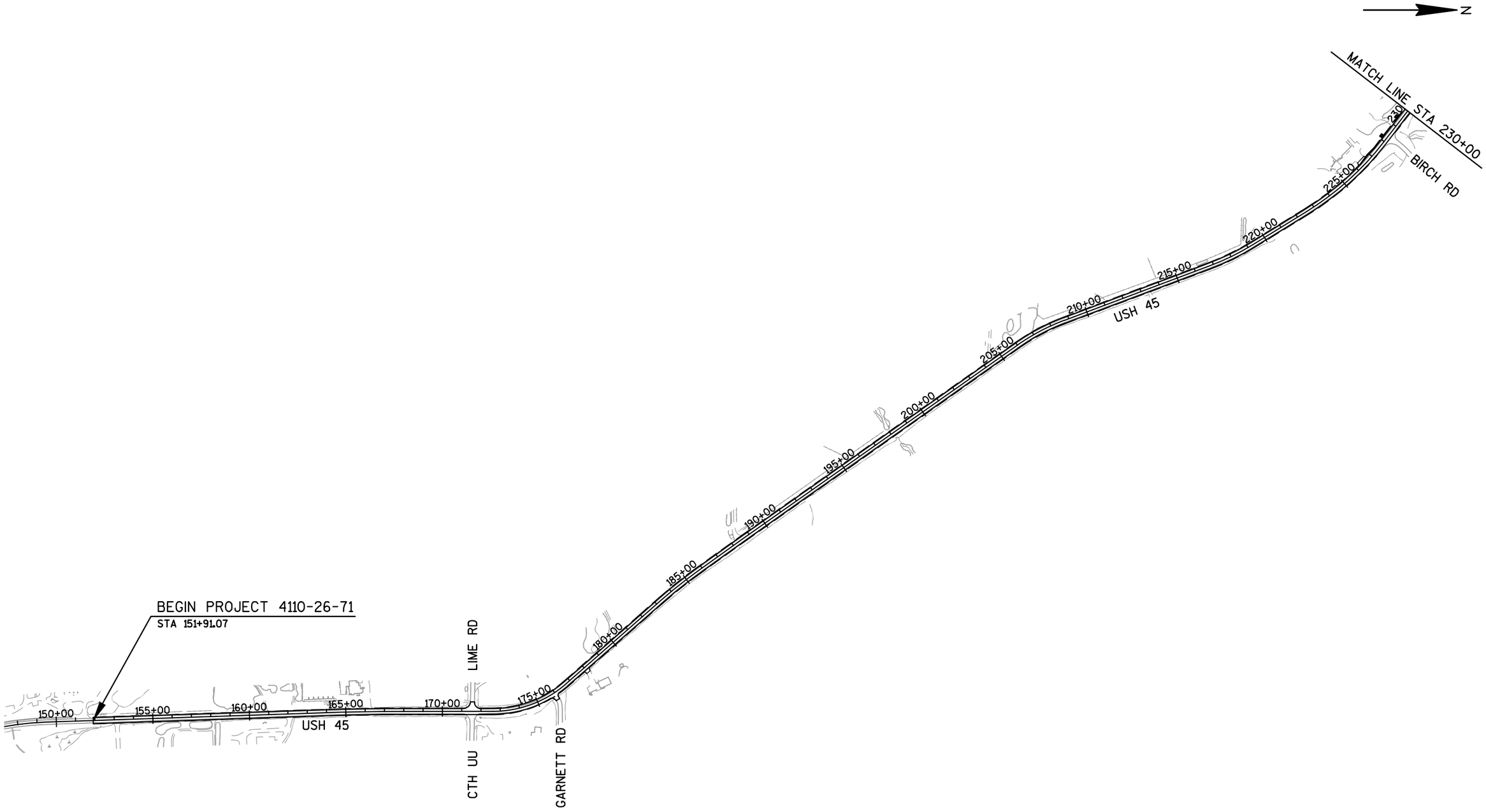
ALL DISTURBED AREAS NOT OTHERWISE SURFACED ARE TO BE SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED. DISTURBED AREAS ADJACENT TO LAWNS SHALL BE TOPSOILED AND SEEDED WITH MIXTURE NO. 40, ALL OTHER AREAS SHALL BE SEEDED WITH MIXTURE NO. 30.

ALL MANHOLE AND INLET OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.

OTHER CONTACTS

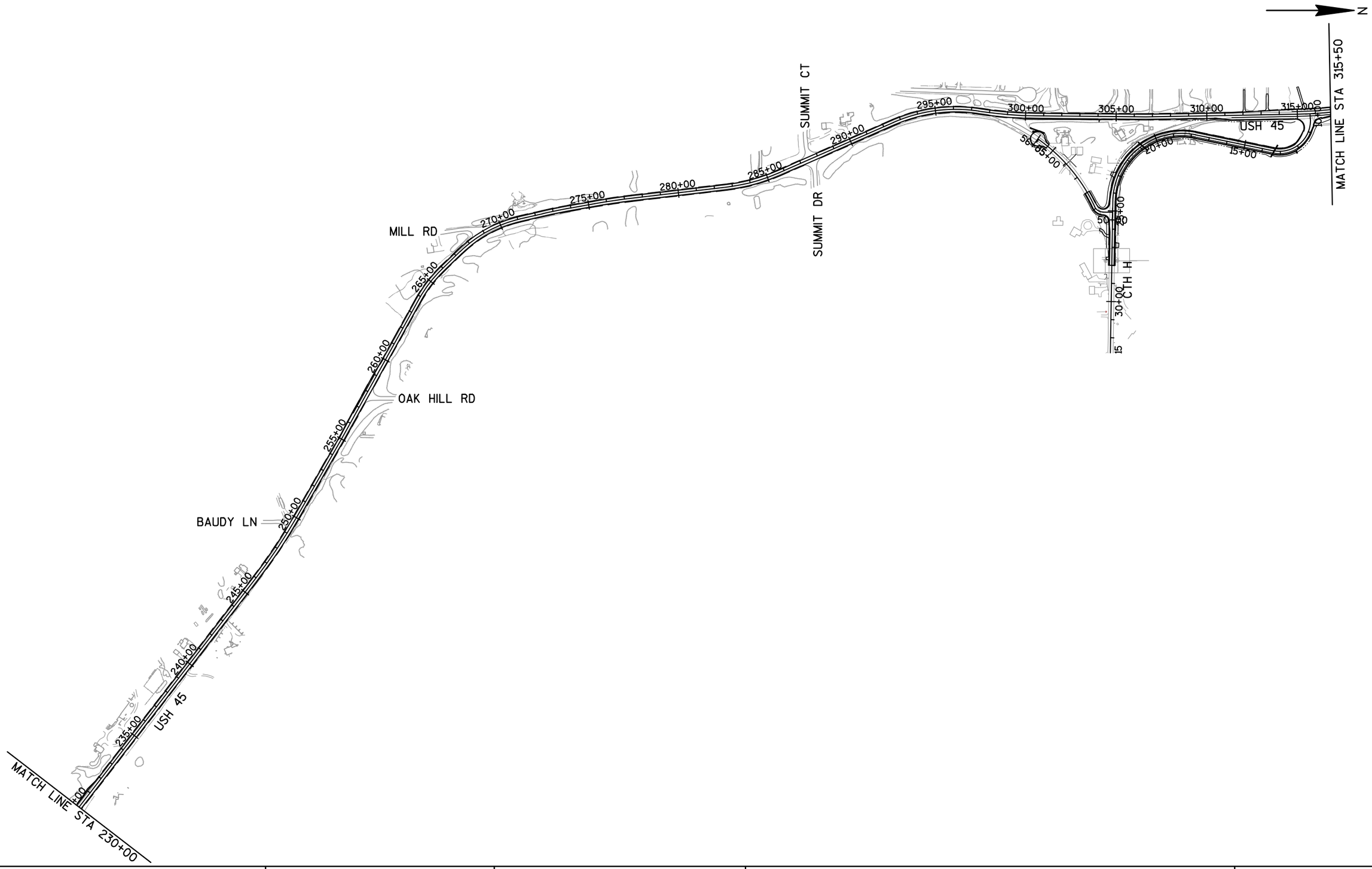
DNR LIASON	DEPARTMENT OF NATURAL RESOURCES JAY SCHIEFELBEIN 2984 SHAWANO AVENUE GREEN BAY, WI 54313 TELEPHONE: (920) 662-5130 E-MAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV
FOND DU LAC COUNTY HIGHWAY COMMISSIONER	FOND DU LAC COUNTY HIGHWAY DEPARTMENT TOM JANKE 301 DIXIE ST FOND DU LAC, WI TELEPHONE: (920) 929-3488 E-MAIL: TOM.JANKE@FDLCO.WI.GOV
NE REGION SURVEY COORDINATOR	CORMAC McINNIS NE REGION SURVEY COORDINATOR 944 VANDERPERREN WAY GREEN BAY, WI 54304 TELEPHONE: 920-492-5638 EMAIL: CORMAC.MCINNIS@DOT.WI.GOV

2



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	OVERVIEW PLAN	SHEET 3	E

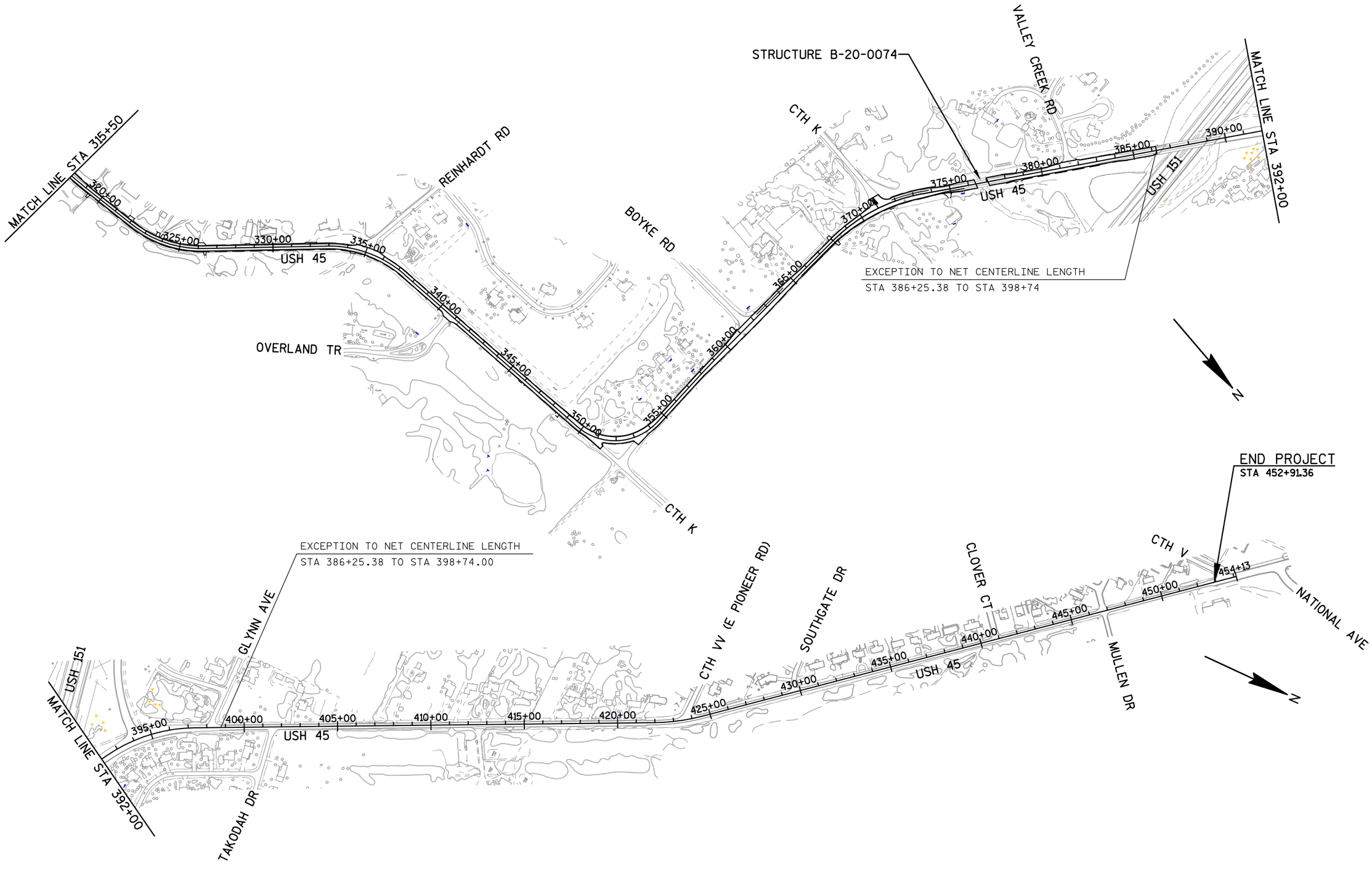
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	OVERVIEW PLAN	SHEET 4	E

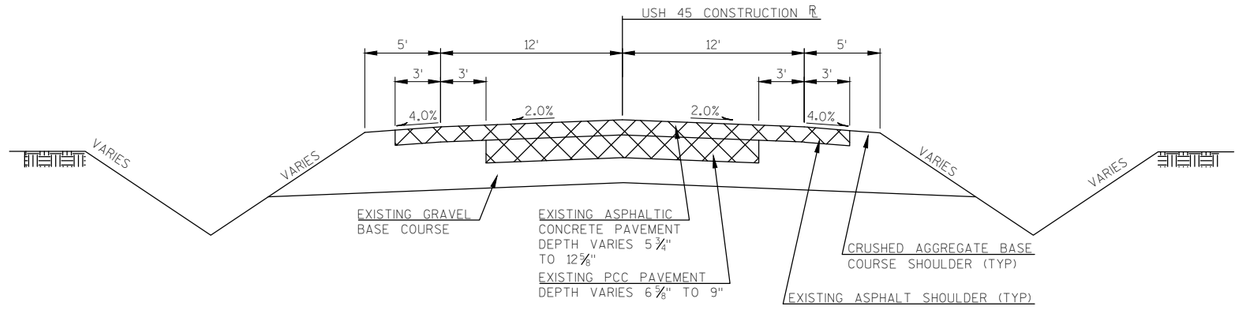
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42

2

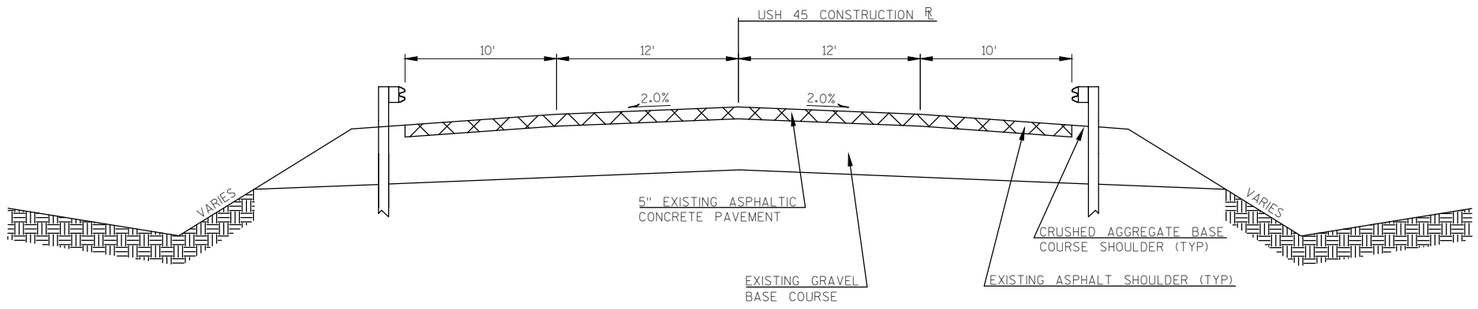


PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	OVERVIEW PLAN	SHEET 5	E

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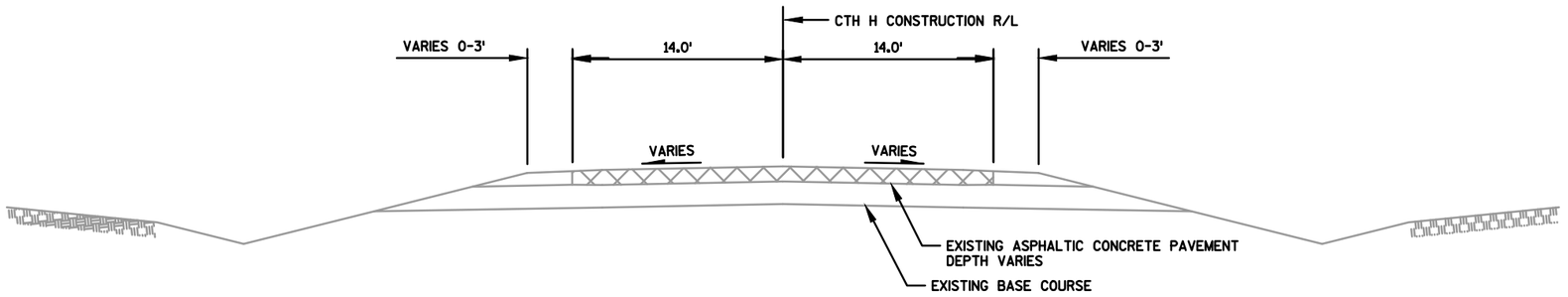


EXISTING TYPICAL SECTION FOR USH 45
STA 150+81.95 - STA 375+51.96
STA 378+07.56 - STA 384+61.67
STA 398+74.00 - STA 452+91.36 (FOND DU LAC AVENUE)



EXISTING TYPICAL SECTION FOR USH 45
STA 375+51.96 - STA 376+41.03
STA 377+06.41 - STA 378+07.56
STA 384+61.67 - STA 386+58.26

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 6 E



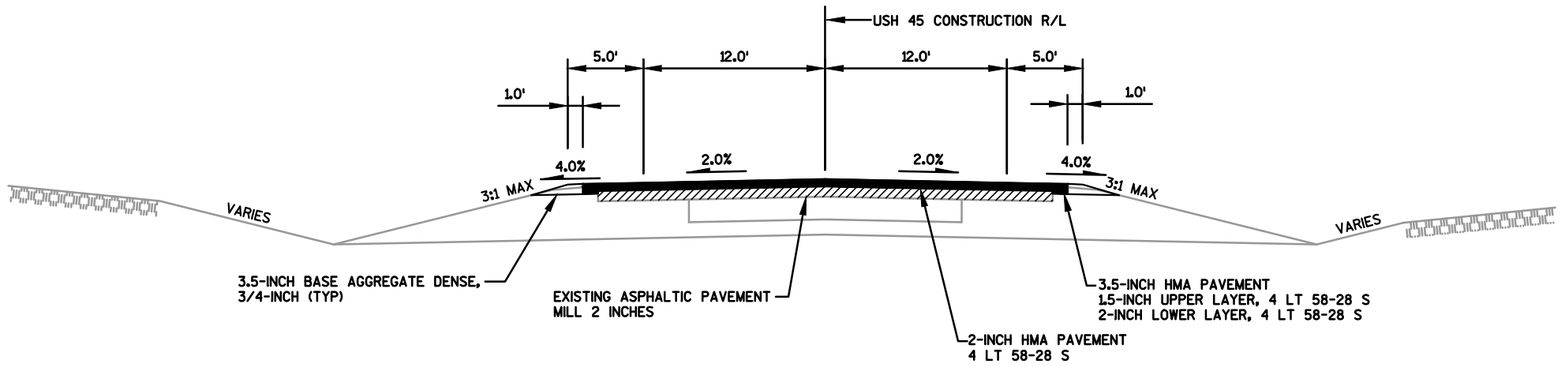
EXISTING TYPICAL SECTION FOR CTH H

STA 10+00.00 - STA 28+00.00

2

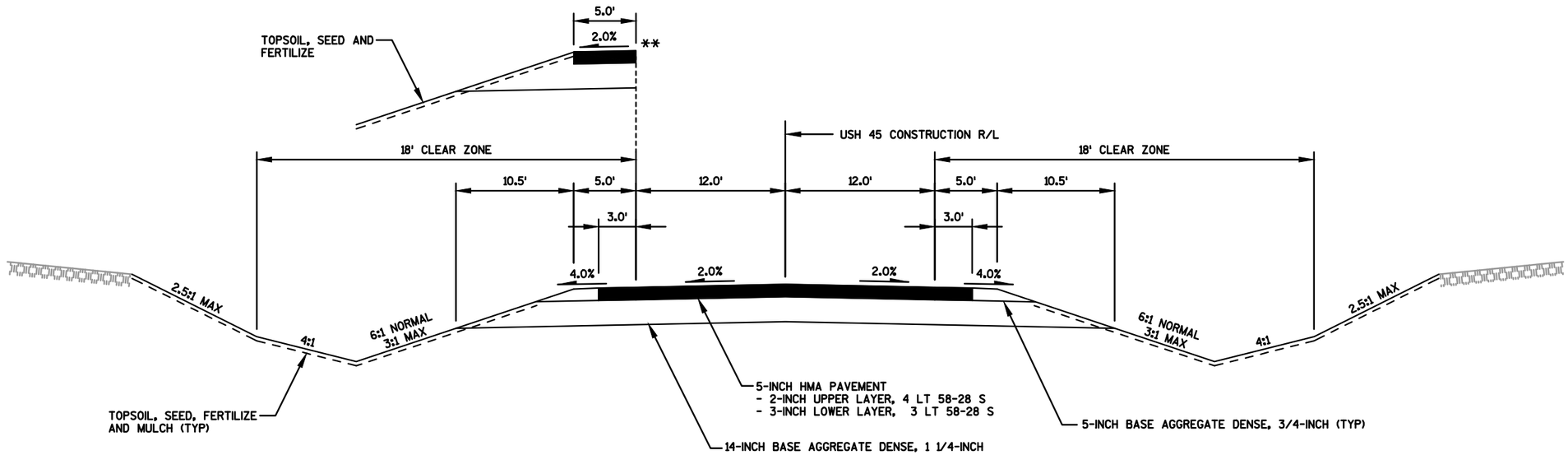
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PLOT BY : CRAIG KNUTH
PLOT NAME : ----------
WISDOT/CADDS SHEET 42



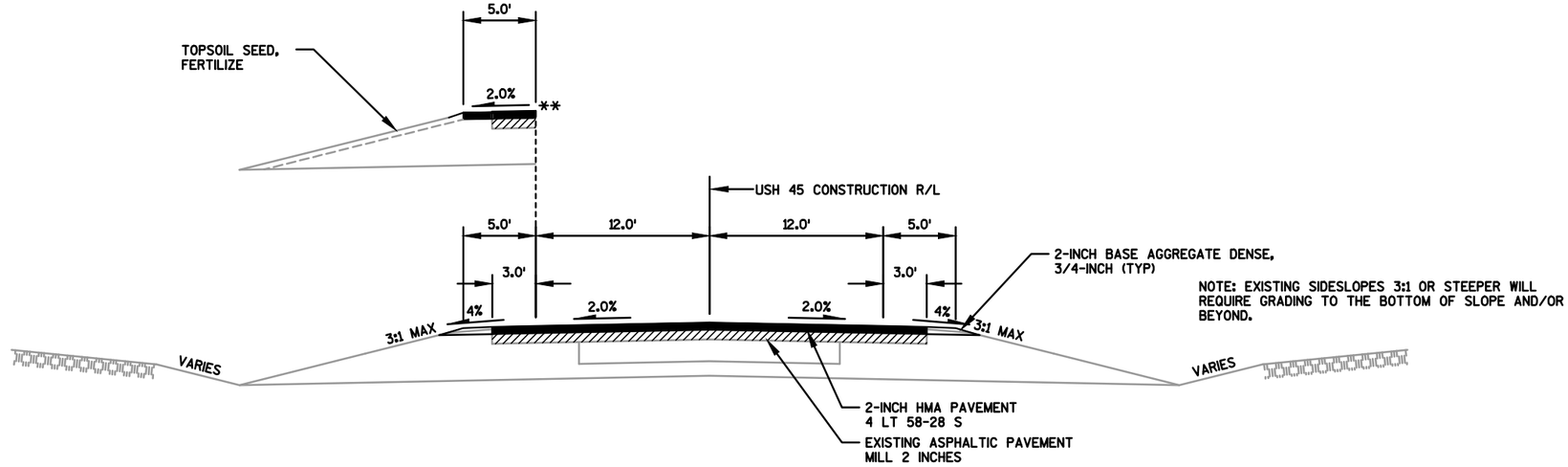
PROPOSED TYPICAL SECTION FOR USH 45

STA 151+91.07 - STA 171+90.00
STA 338+00.00 - STA 347+00.00
STA 356+00.00 - STA 363+25.00



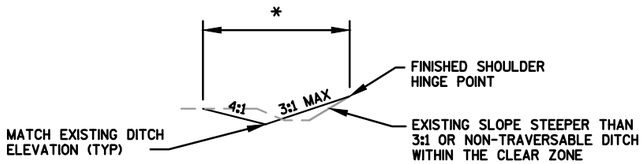
PROPOSED TYPICAL SECTION FOR USH 45

STA 171+90.00 - STA 176+50.00
STA 220+00.00 - STA 221+50.00
STA 247+00.00 - STA 250+75.00
STA 262+30.00 - STA 268+00.00
STA 294+50.00 - STA 297+25.00
STA 299+30.00 - STA 300+00.00
STA 319+00.00 - STA 328+00.00 RT
**STA 319+00.00 - STA 328+00.00 LT
CULVERT REPLACEMENT AREAS



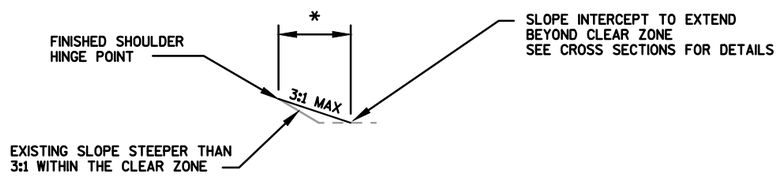
PROPOSED TYPICAL FOR USH 45

STA 176+50.00 - STA 220+00.00
STA 221+50.00 - STA 226+90.63
STA 231+09.38 - STA 247+00.00
STA 250+75.00 - STA 262+30.00
STA 268+00.00 - STA 294+50.00
STA 297+25.00 - STA 299+30.00
**STA 304+00.00 - STA 310+51.00 LT
STA 304+00.00 - STA 310+51.00 RT
STA 328+00.00 - STA 330+85.00



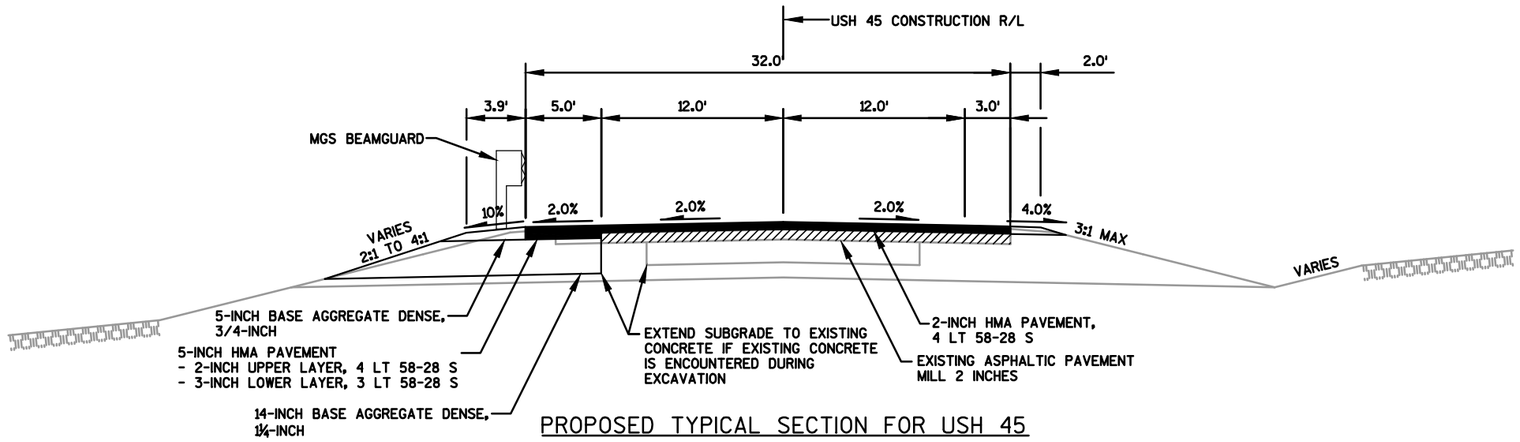
PROPOSED FINISHED TYPICAL SECTION FOR SLOPE FLATTENING - FILL SECTION

* PLACE TOPSOIL, FERTILIZER, SEED AND MULCH



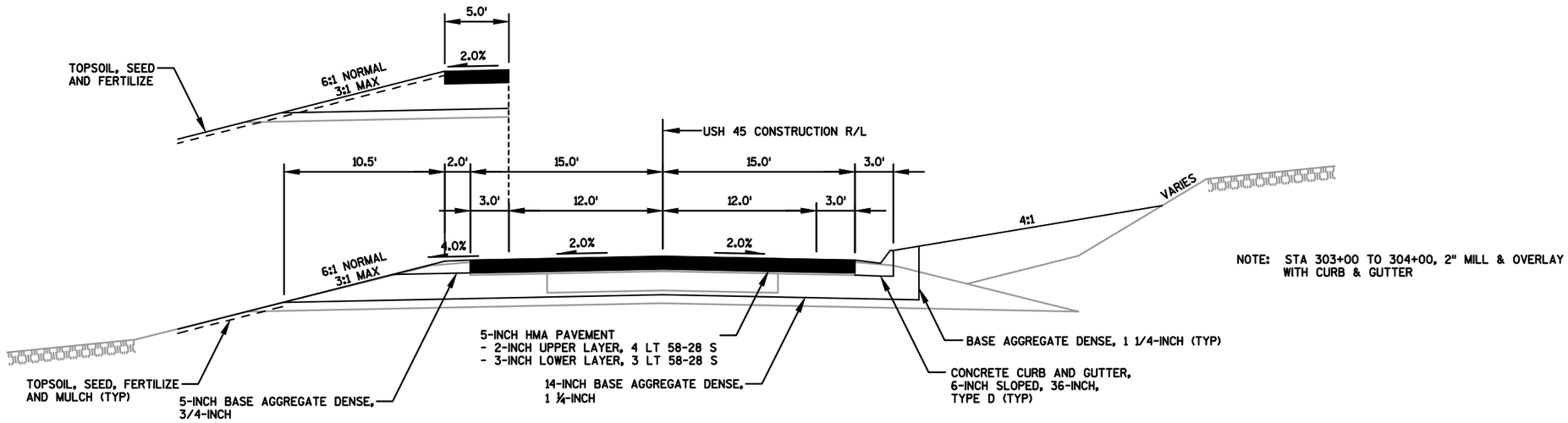
PROPOSED FINISHED TYPICAL SECTION FOR SLOPE FLATTENING - FILL SECTION

* PLACE TOPSOIL, FERTILIZER, SEED AND MULCH



PROPOSED TYPICAL SECTION FOR USH 45

STA 226+90.63 TO STA 231+09.38



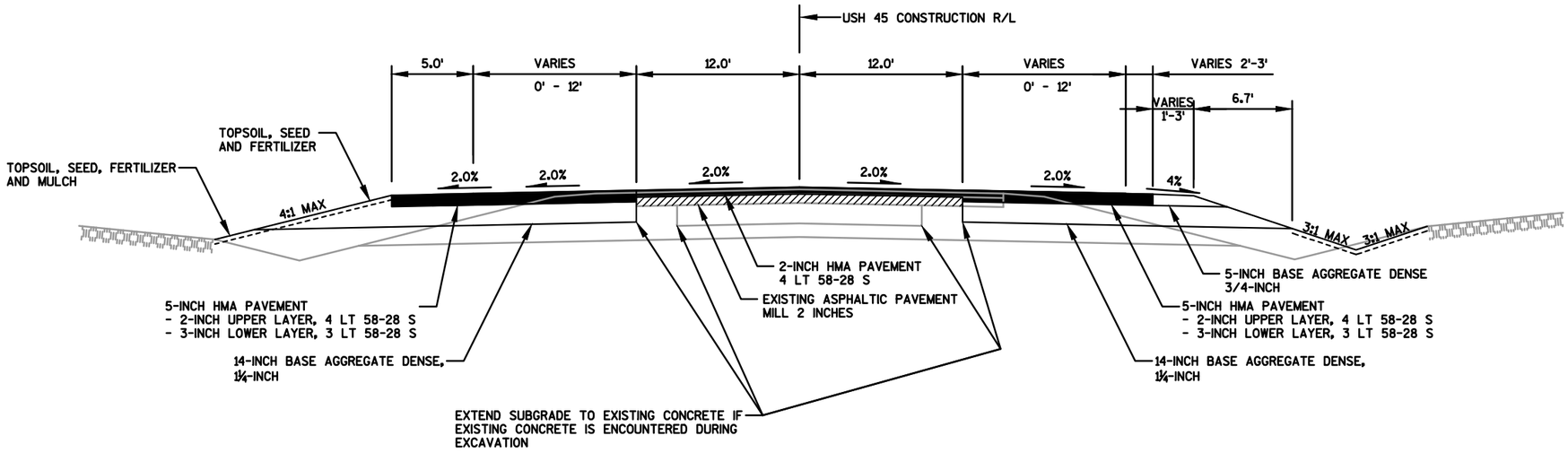
PROPOSED TYPICAL SECTION FOR USH 45

STA 300+00 TO STA 302+00
** STA 302+00 TO STA 304+00 LT
STA 302+00 TO STA 304+00 RT

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 10	E

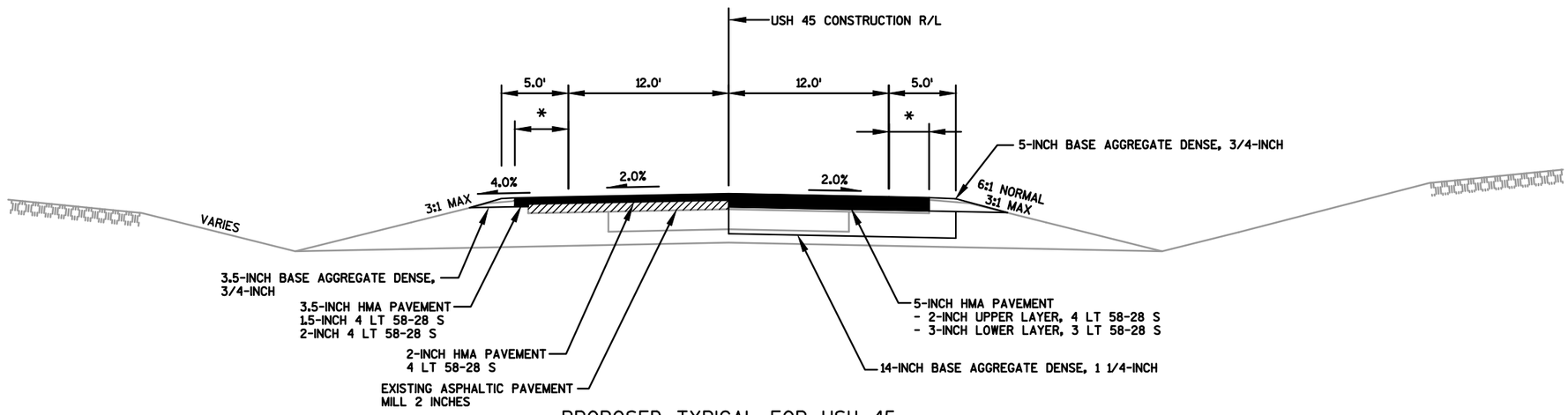
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41102671_020304_ts
WISDOT/CADDS SHEET 42

2



PROPOSED TYPICAL FOR USH 45

STA 310+51.00 - STA 319+00.00



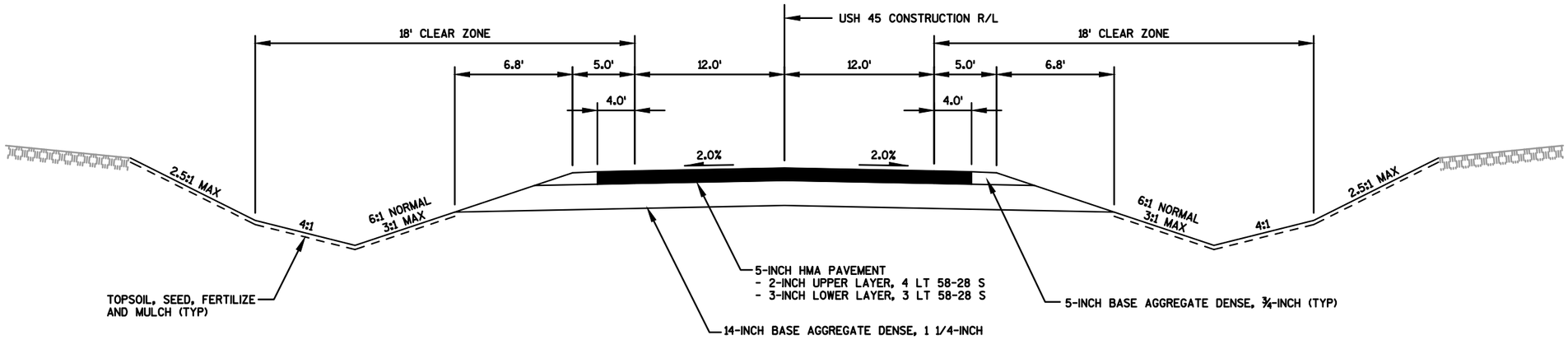
PROPOSED TYPICAL FOR USH 45

* 3' PAVED/2' BAD STA 330+85.00 RT - STA 335+50.00 RT
* 5' PAVED STA 330+85.00 LT - STA 334+00.00 LT
* 3' PAVED/2' BAD STA 334+00.00 LT - STA 335+50.00 LT
* 4' PAVED/1' BAD STA 335+50.00 - STA 338+00.00

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TYPICAL SECTIONS	SHEET 11	E

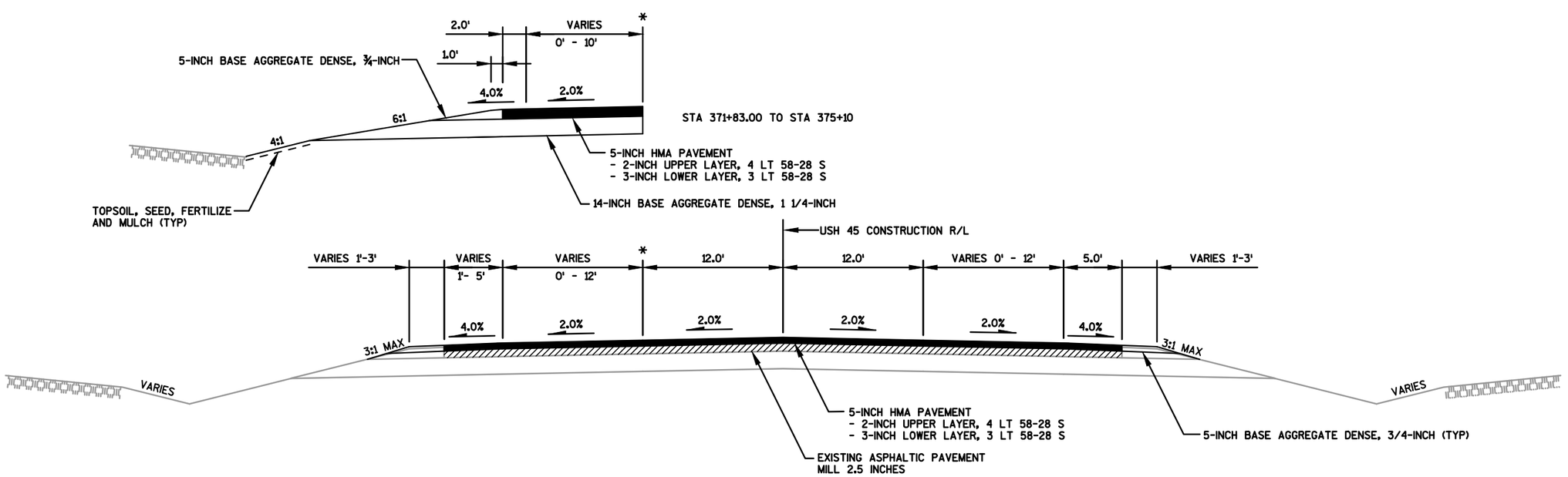
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WISDOT/CADDS SHEET 42

2



PROPOSED TYPICAL SECTION FOR USH 45

STA 347+00.00 - STA 356+00.00
STA 363+25.00 - STA 370+50.00



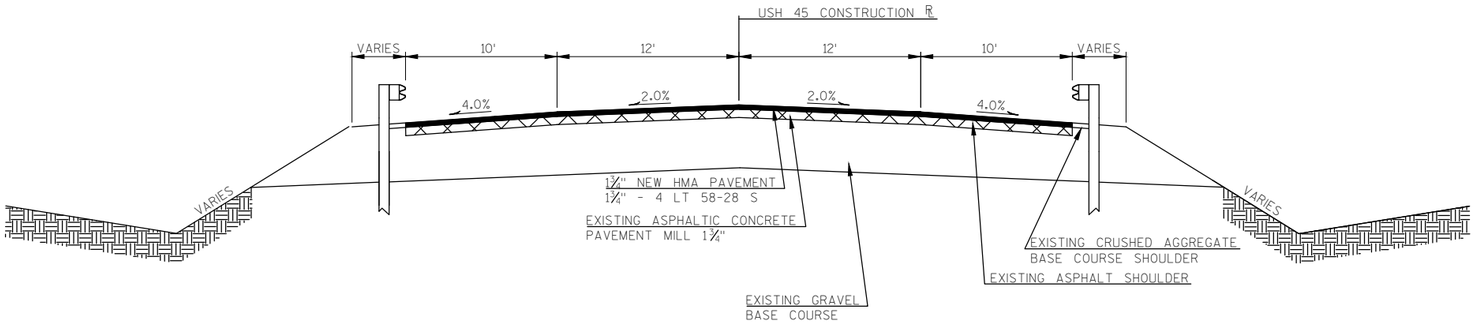
PROPOSED TYPICAL SECTION FOR USH 45

STA 370+50.00 TO STA 375+51.96
STA 378+07.56 TO STA 384+61.67

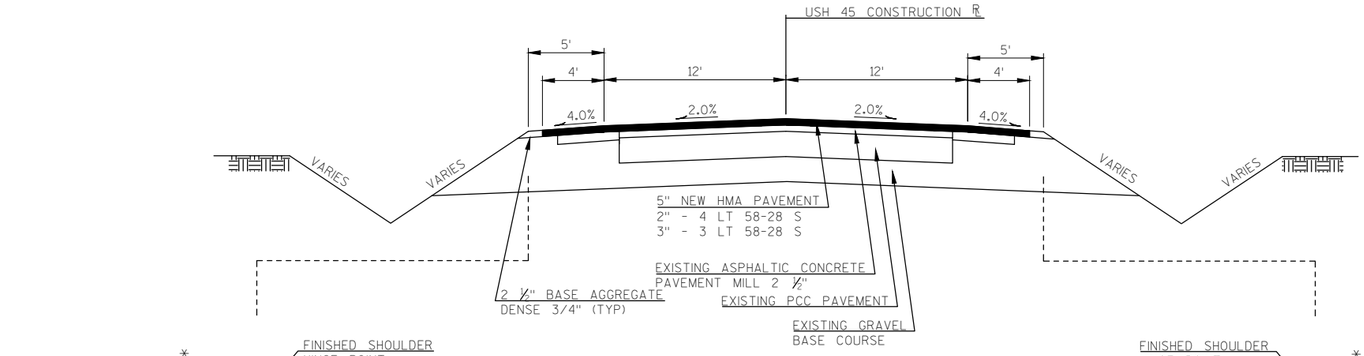
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WISDOT/CADDS SHEET 42

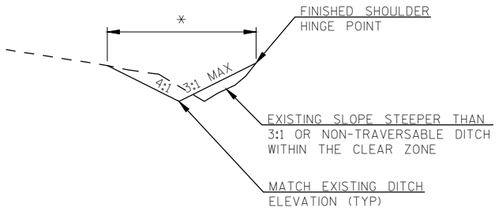
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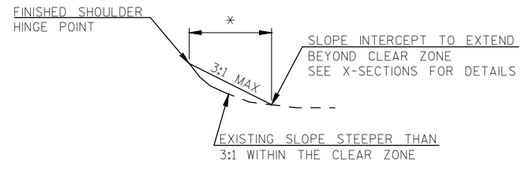
PROPOSED TYPICAL SECTION FOR USH 45
STA 375+51.96 - STA 376+41.03
STA 377+06.41 - STA 378+07.56
STA 384+61.67 - STA 386+58.26



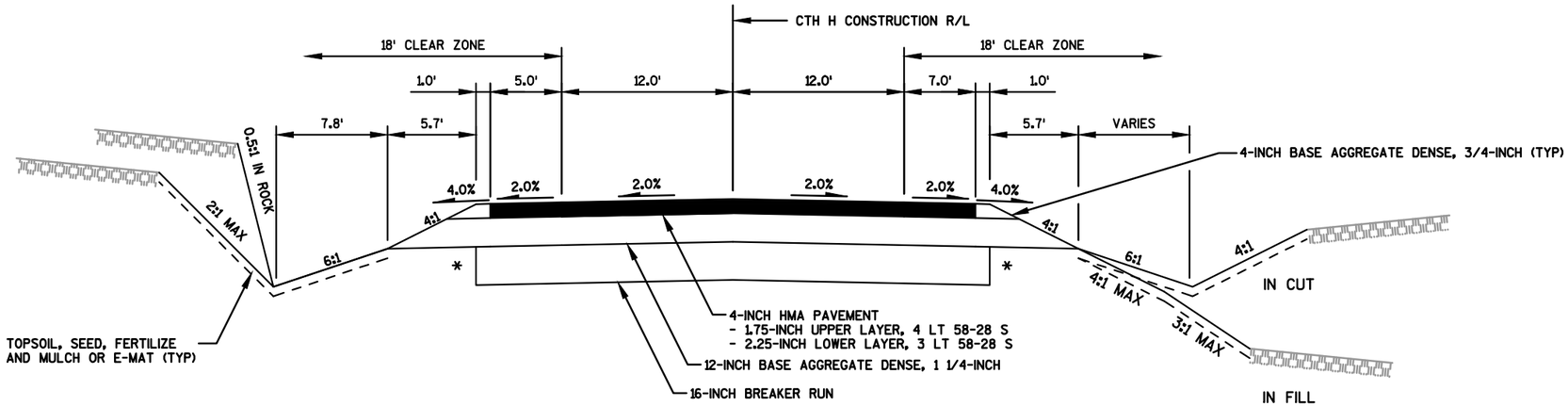
PROPOSED TYPICAL SECTION FOR FOND DU LAC AVENUE
STA. 398+74.00 - STA. 452+91.36



PROPOSED FINISHED TYPICAL SECTION FOR SLOPE FLATTENING - CUT SECTION
* - PLACE TOPSOIL, FERTILIZER TYPE B,
SEEDING MIXTURE NO. 20, AND EROSION MAT



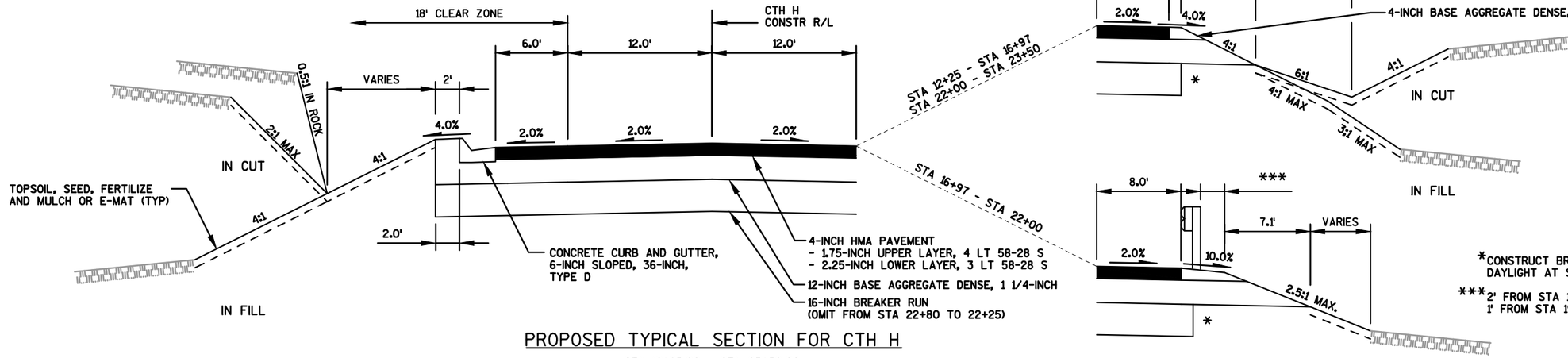
PROPOSED FINISHED TYPICAL SECTION FOR SLOPE FLATTENING - FILL SECTION
* - PLACE TOPSOIL, FERTILIZER TYPE B,
SEEDING MIXTURE NO. 20, AND EROSION MAT



PROPOSED TYPICAL SECTION FOR CTH H

STA 10+00.00 - STA 12+25.00

*CONSTRUCT BREAKER RUN RELIEF TRENCH TO DAYLIGHT AT SAG POINTS AND/OR EVERY 250'.

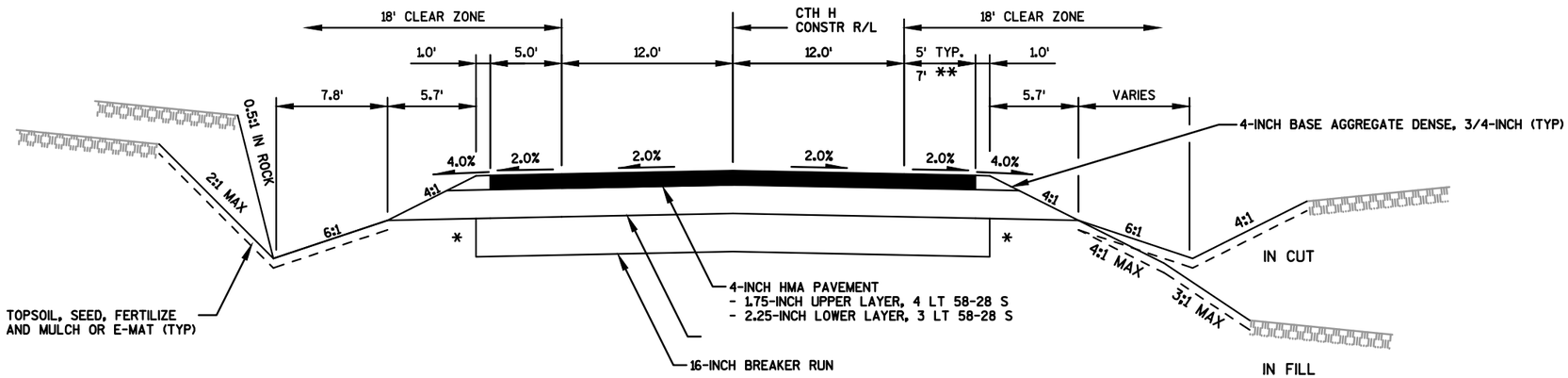


*CONSTRUCT BREAKER RUN RELIEF TRENCH TO DAYLIGHT AT SAG POINTS AND/OR EVERY 250'.

***2' FROM STA 16+97 - 19+25
1' FROM STA 19+25 - 20+00

PROPOSED TYPICAL SECTION FOR CTH H

STA 12+25.00 - STA 23+50.00



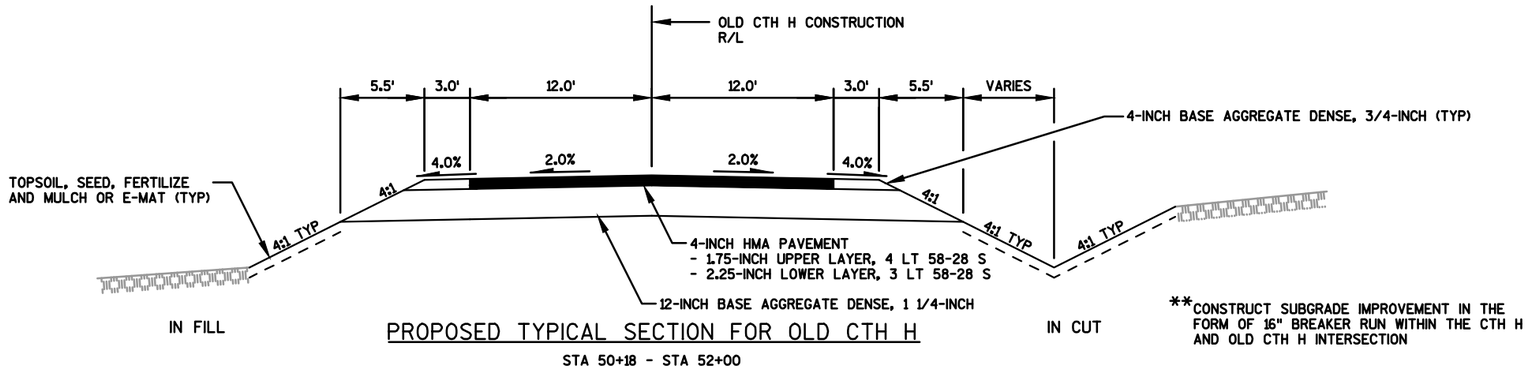
PROPOSED TYPICAL SECTION FOR CTH H

STA 23+50.00 - STA 28+00.00

*CONSTRUCT BREAKER RUN RELIEF TRENCH TO DAYLIGHT AT SAG POINTS AND/OR EVERY 250'.

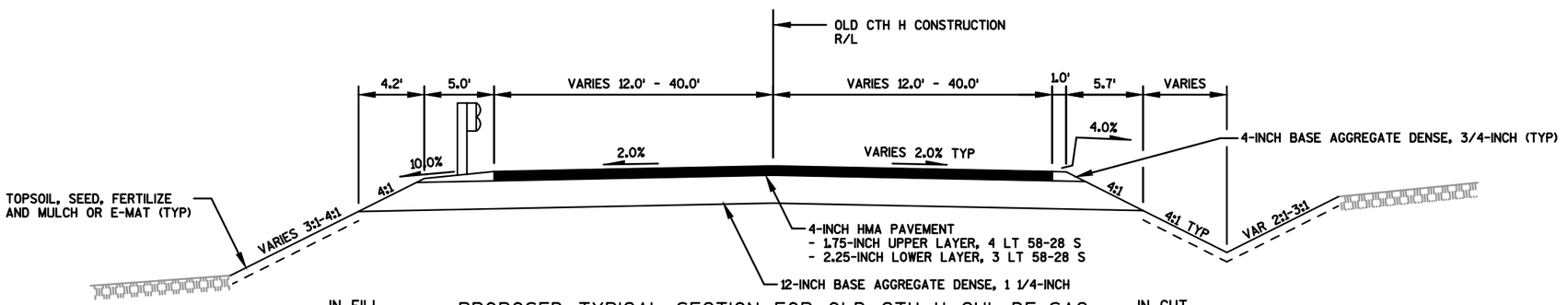
** 23+50 - 25+00

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TYPICAL SECTIONS - CTH H	SHEET 14	E



PROPOSED TYPICAL SECTION FOR OLD CTH H

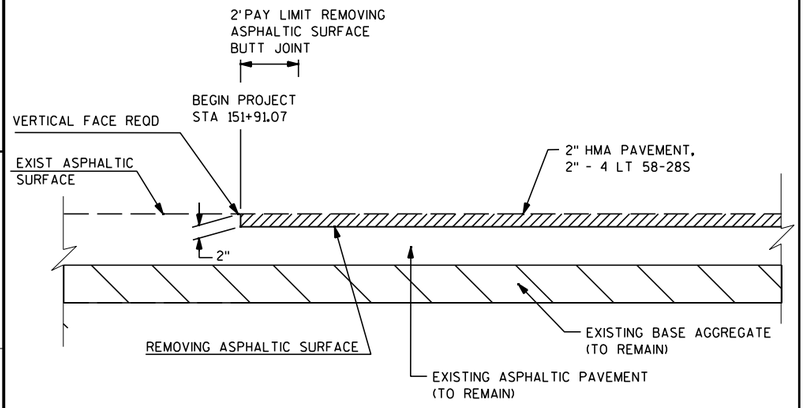
STA 50+18 - STA 52+00



PROPOSED TYPICAL SECTION FOR OLD CTH H CUL-DE-SAC

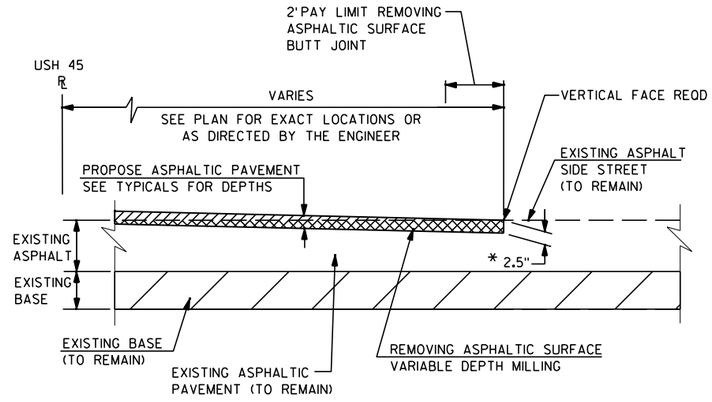
STA 55+37 - STA 56+05

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TYPICAL SECTIONS - CTH H	SHEET 15	E



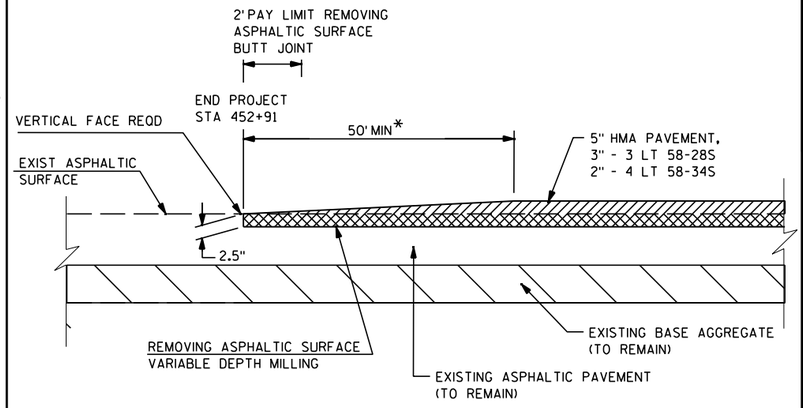
BUTT JOINT DETAIL ON MAINLINE

STA 151+91.07



* 2.0" WHERE 2" OVERLAY OCCURS

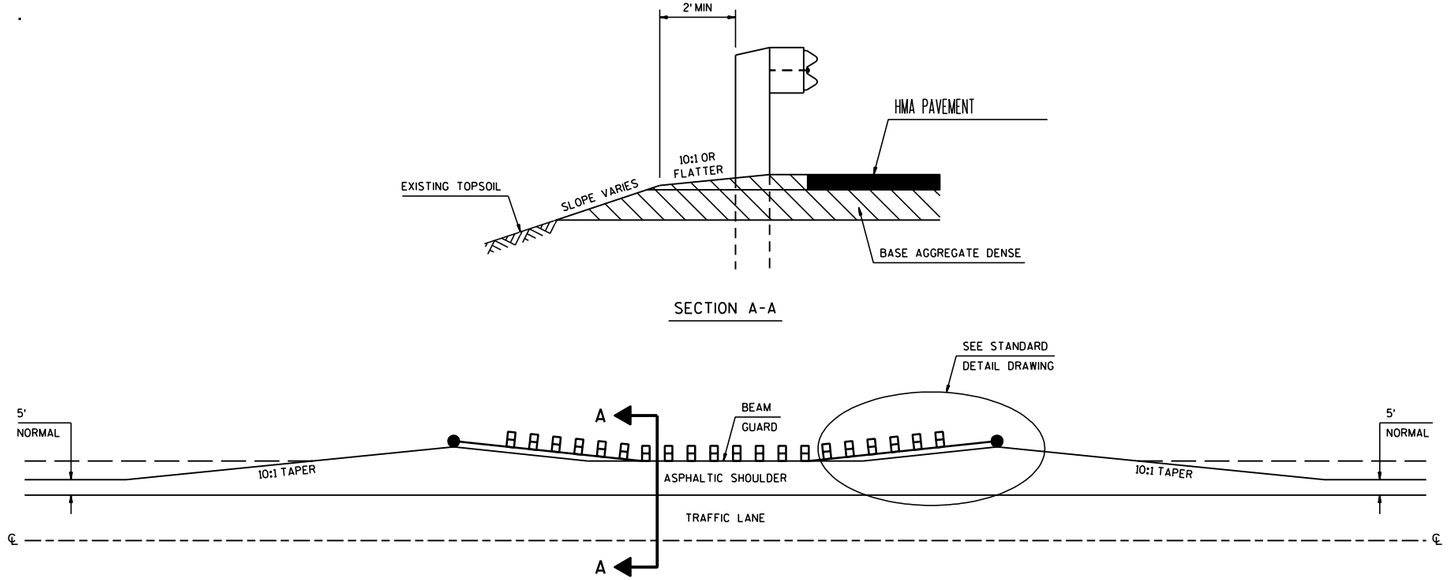
BUTT JOINT DETAIL AT ASPHALT SIDE STREET



* EXACT DISTANCE TO BE DETERMINED BY THE ENGINEER IN THE FIELD

BUTT JOINT DETAIL ON MAINLINE

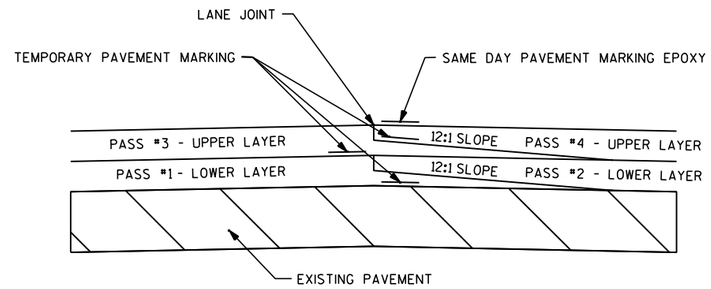
STA 452+91



SECTION A-A

DETAIL FOR ASPHALTIC SHOULDER AT GUARDRAIL

USH 45

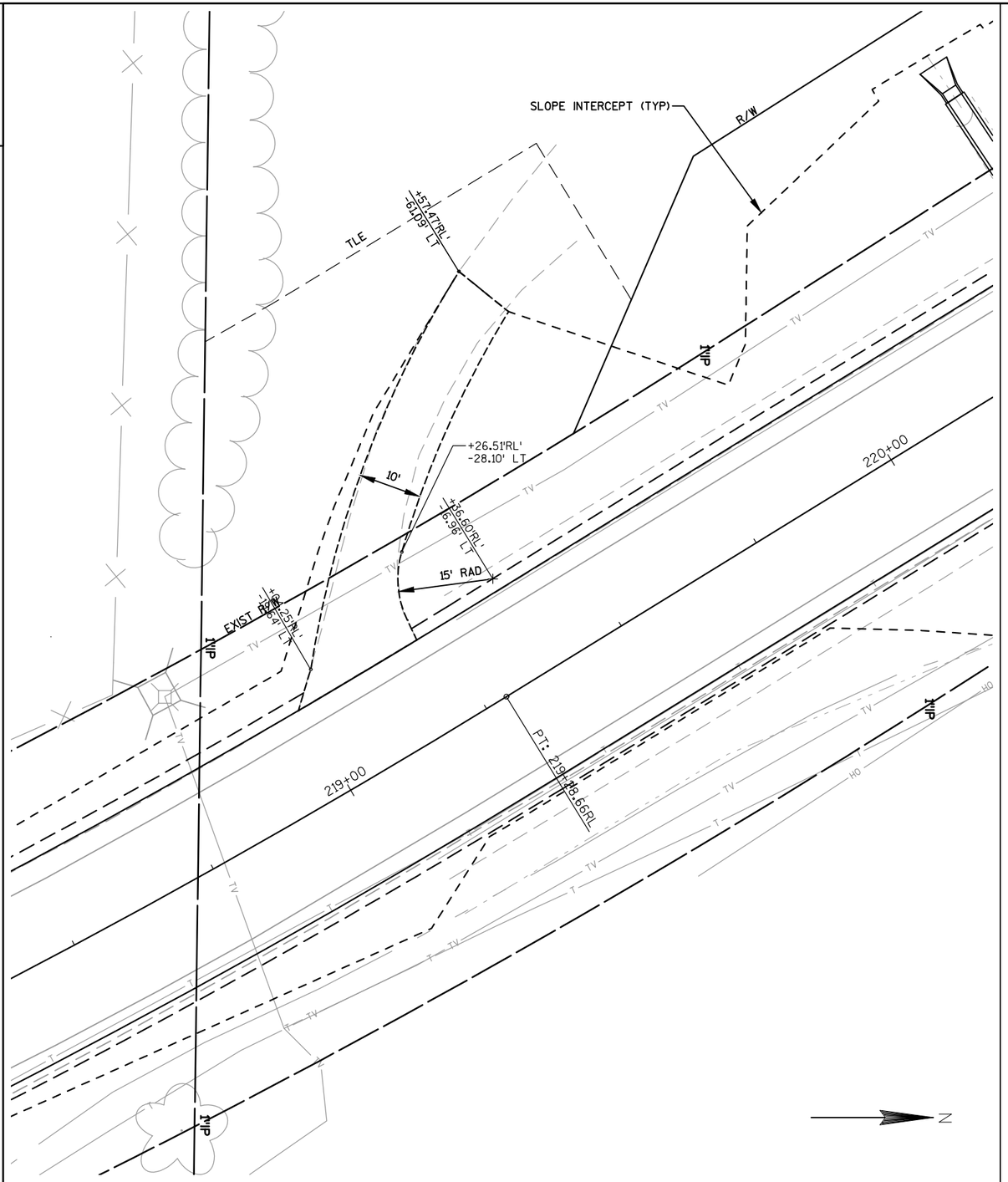


LOWER AND UPPER LAYERS

PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN ASPHALTIC PAVEMENTS

STA 398+74 TO STA 452+91.36

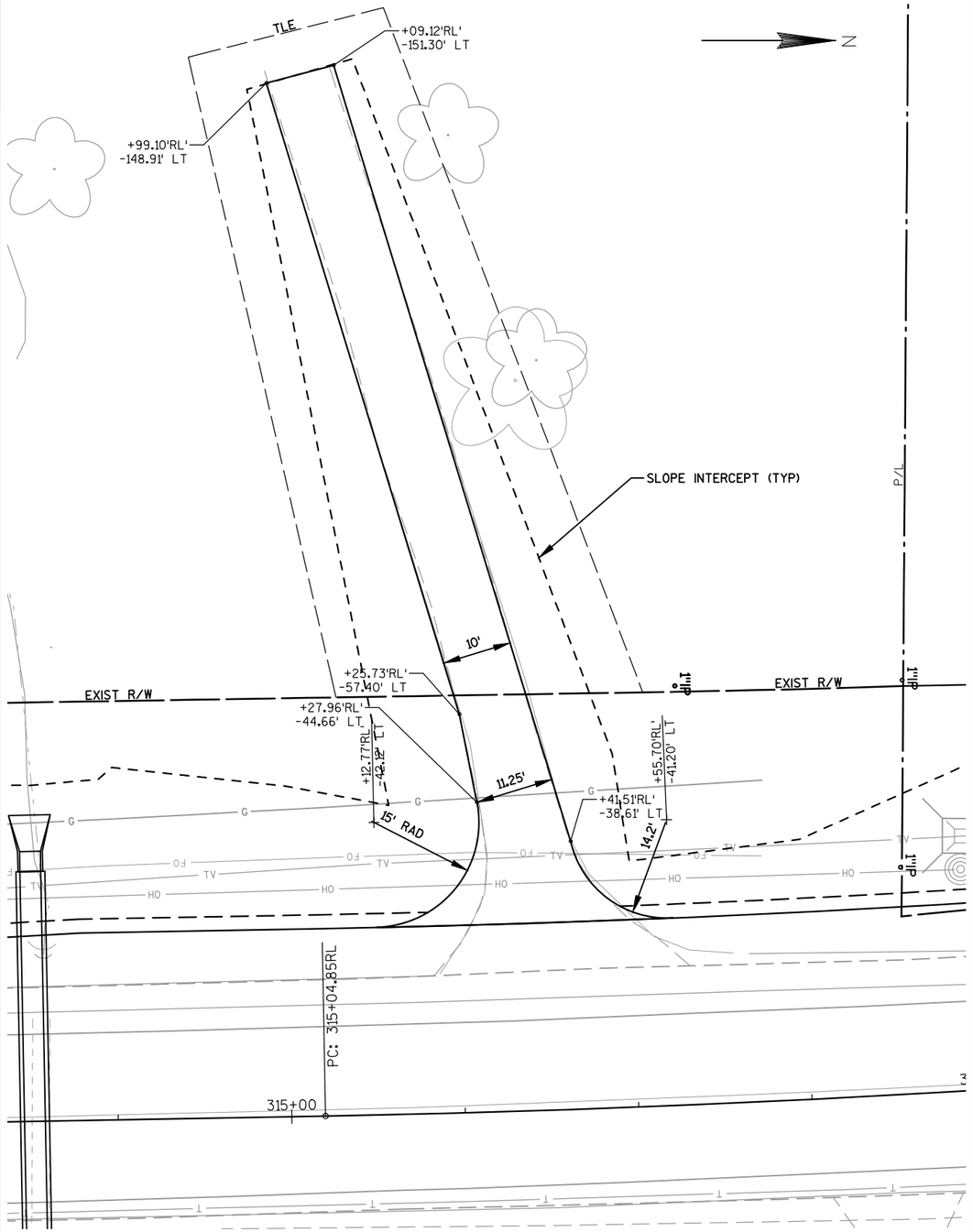
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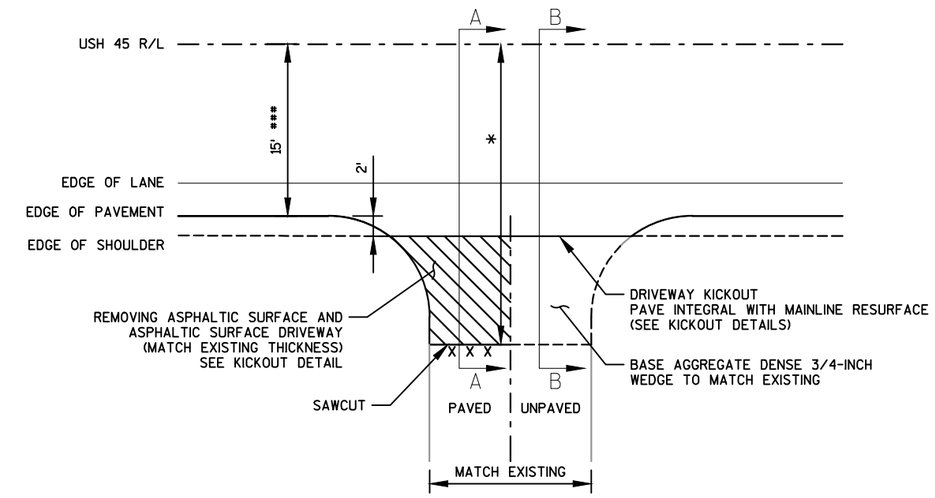
DRIVEWAY PLAN FOR STA 219+15 LEFT

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 17	E

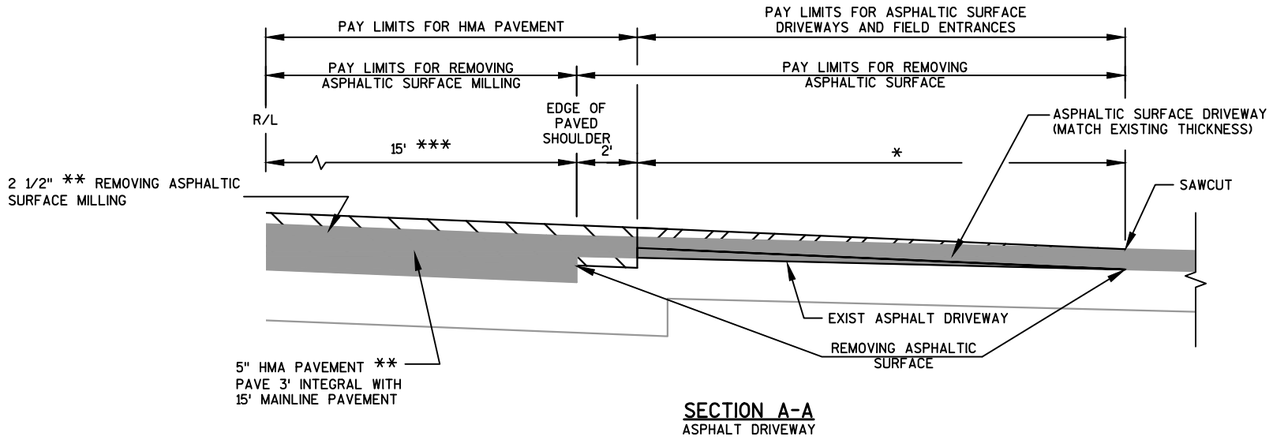
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41102671_021002a_cd
PLOT DATE : 9/1/2017 12:14 PM
PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS
WISDOT/CADDS SHEET 42



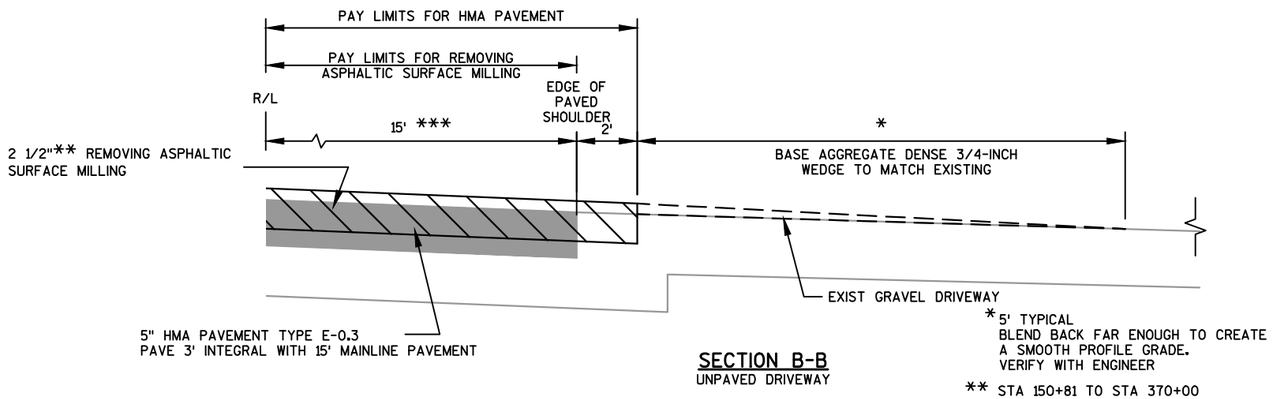
DRIVEWAY PLAN FOR STA 315+35 LEFT



PLAN



SECTION A-A
ASPHALT DRIVEWAY



SECTION B-B
UNPAVED DRIVEWAY

RURAL DRIVEWAY DETAIL

* 5' TYPICAL
BLEND BACK FAR ENOUGH TO CREATE
A SMOOTH PROFILE GRADE.
VERIFY WITH ENGINEER

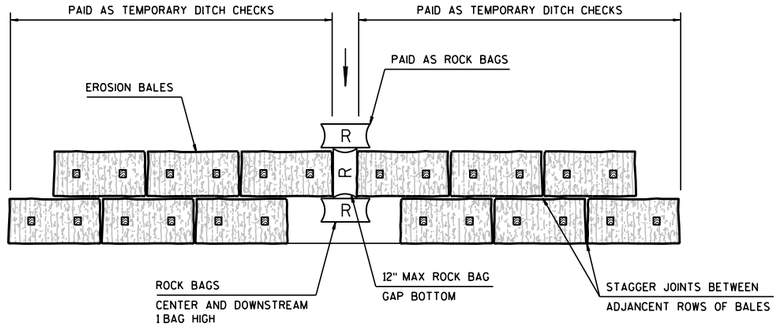
** STA 150+81 TO STA 370+00
MILL 2", PAVE 2" HMA

*** VARIES 15' OR 16' HMA PAVEMENT

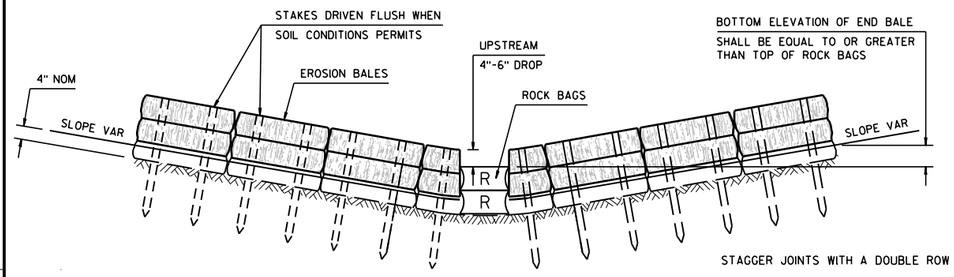
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 18	E

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41102671_021002b_cd
PLOT DATE : 6/9/2017 12:41 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42



PLAN VIEW

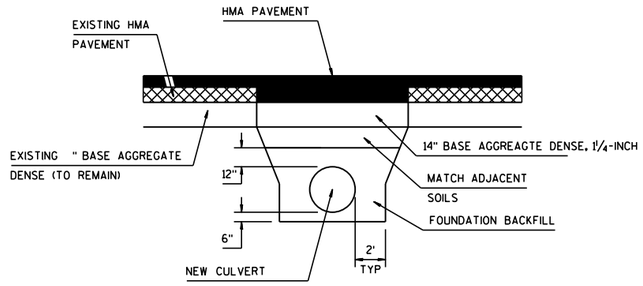


FRONT ELEVATION

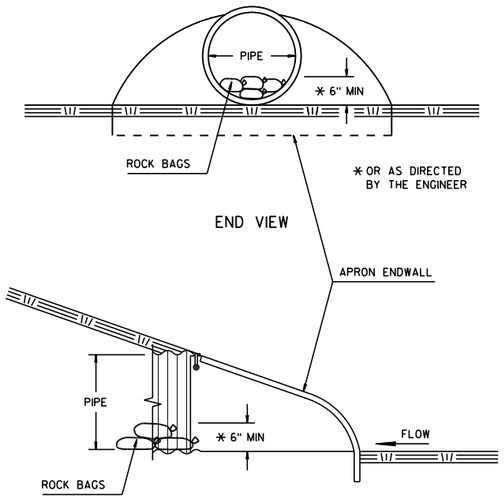
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

TEMPORARY DITCH CHECKS WITH ROCK BAG RELIEF



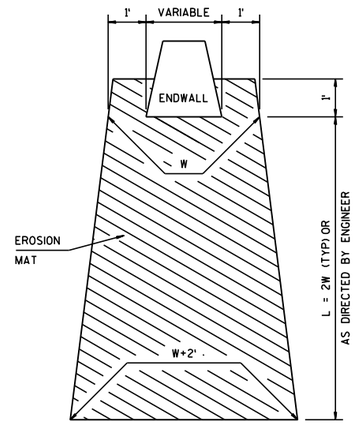
DETAIL FOR CULVERT REPLACEMENT



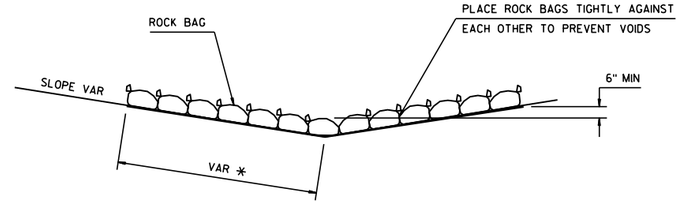
END VIEW

SIDE VIEW

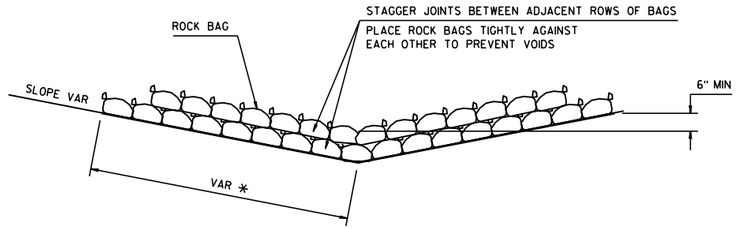
CULVERT PIPE CHECKS



EROSION MAT TREATMENT AT CULVERTS



SIDE VIEW (SINGLE LAYER)

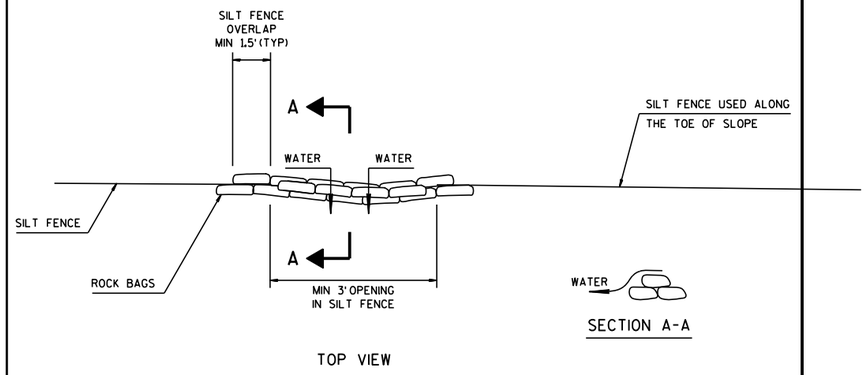


* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

SIDE VIEW (MULTIPLE LAYER)

ROCK BAGS DITCH CHECK

PAID AS ROCK BAGS



SECTION A-A

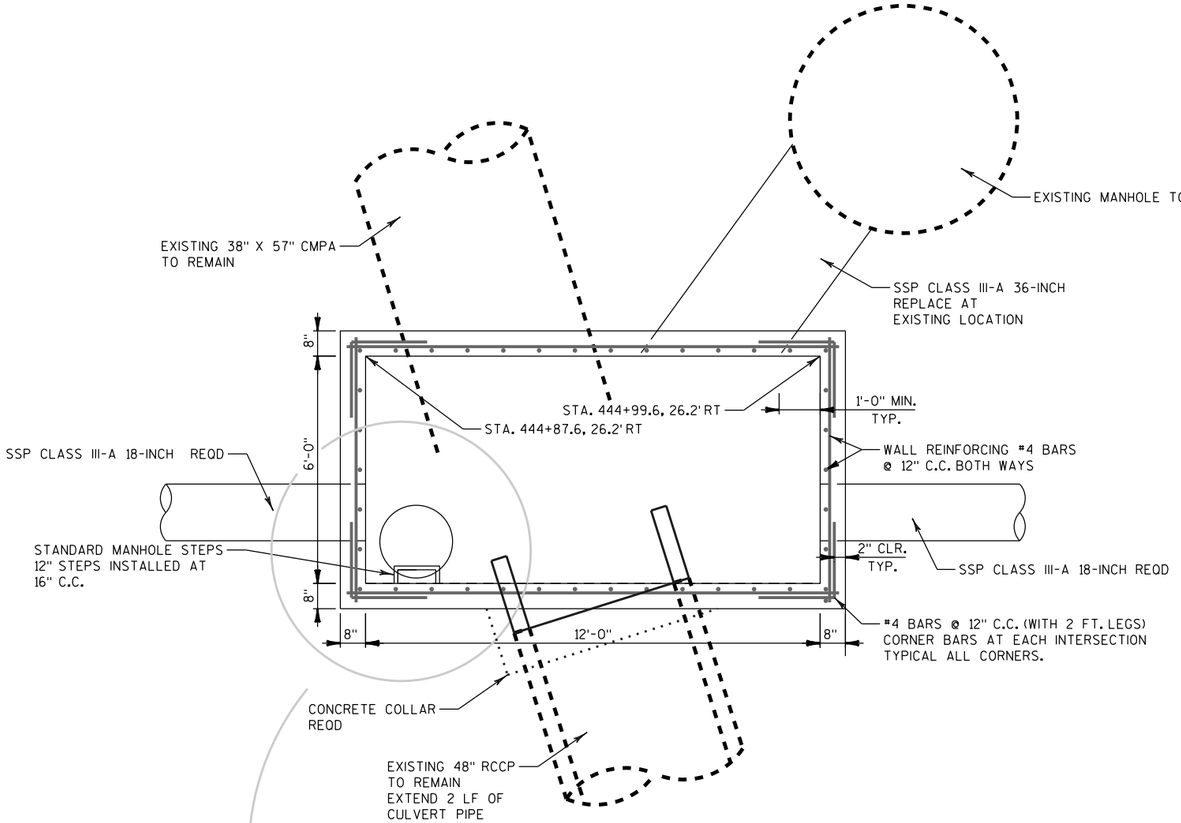
TOP VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL

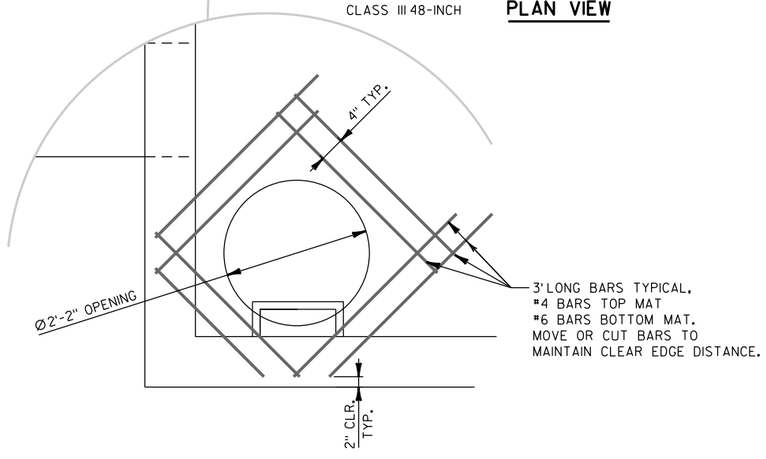
PAID AS ROCK BAGS

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 19	E

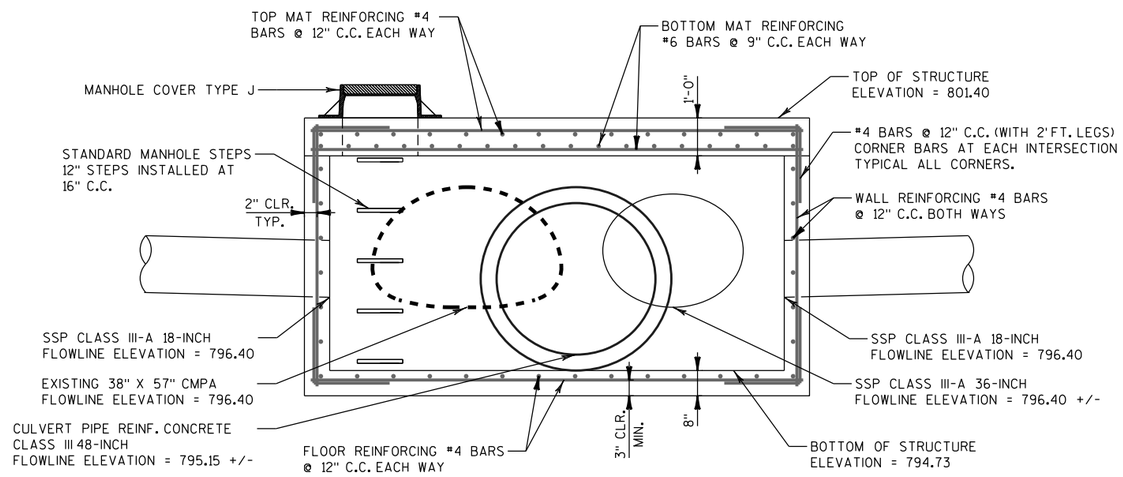
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PLAN VIEW



MANHOLE REINFORCING DETAIL



PROFILE VIEW

PROFILE VIEW

NOTES:

BAR STEEL REINFORCEMENT MUST BE CUT TO FIT AROUND PIPE OPENINGS.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DETAIL SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

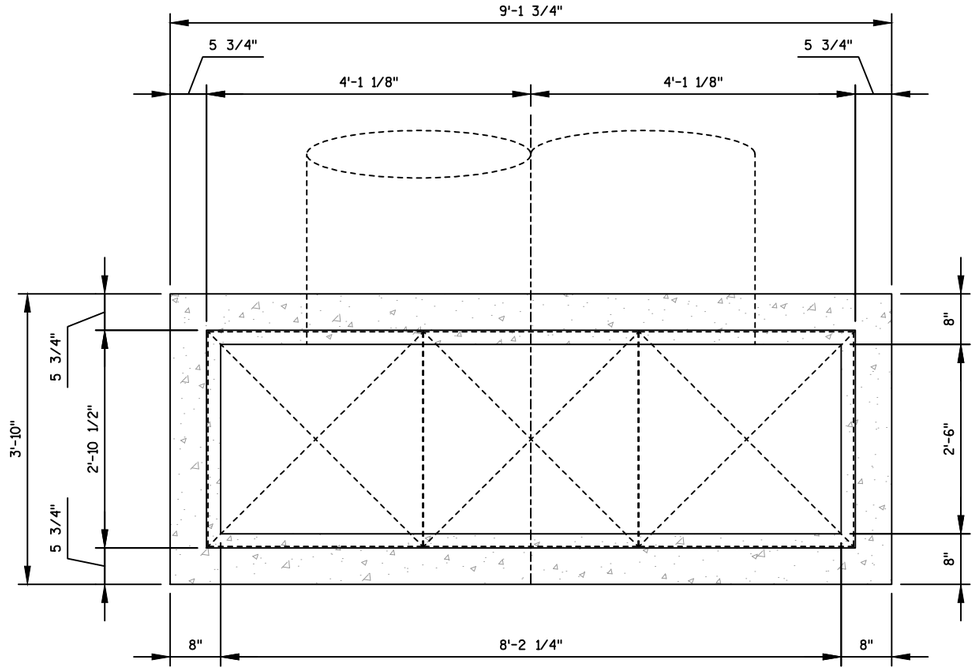
MATERIAL STRENGTHS:

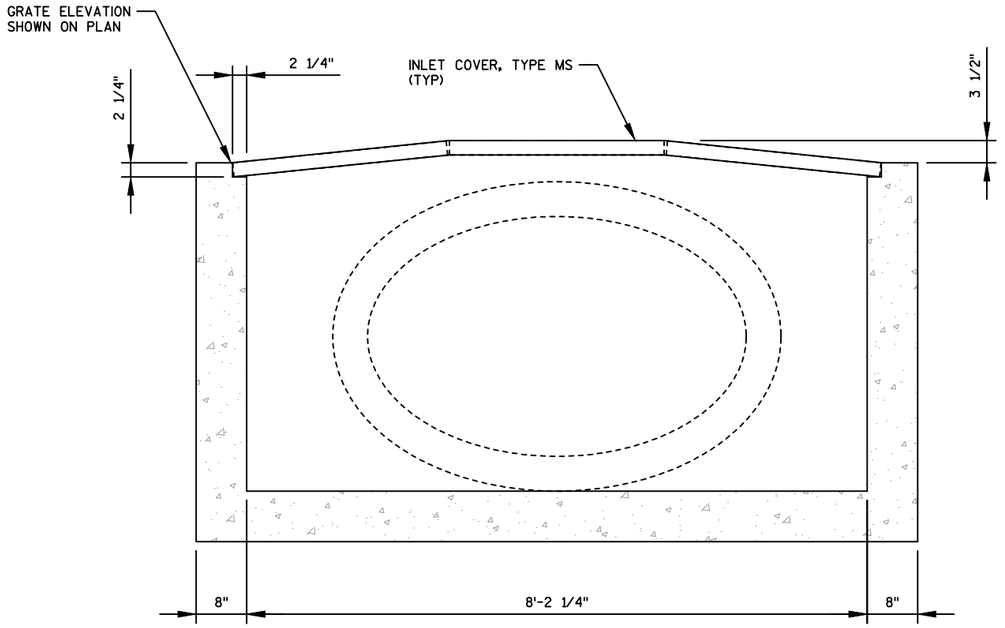
CONCRETE MASONRY, GRADE A-FA ———— f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT ___ fy = 60,000 P.S.I.

MANHOLE SPECIAL 6-FT X 12-FT

STA. 444+93.6, 29.2' RT (CENTER OF STRUCTURE)

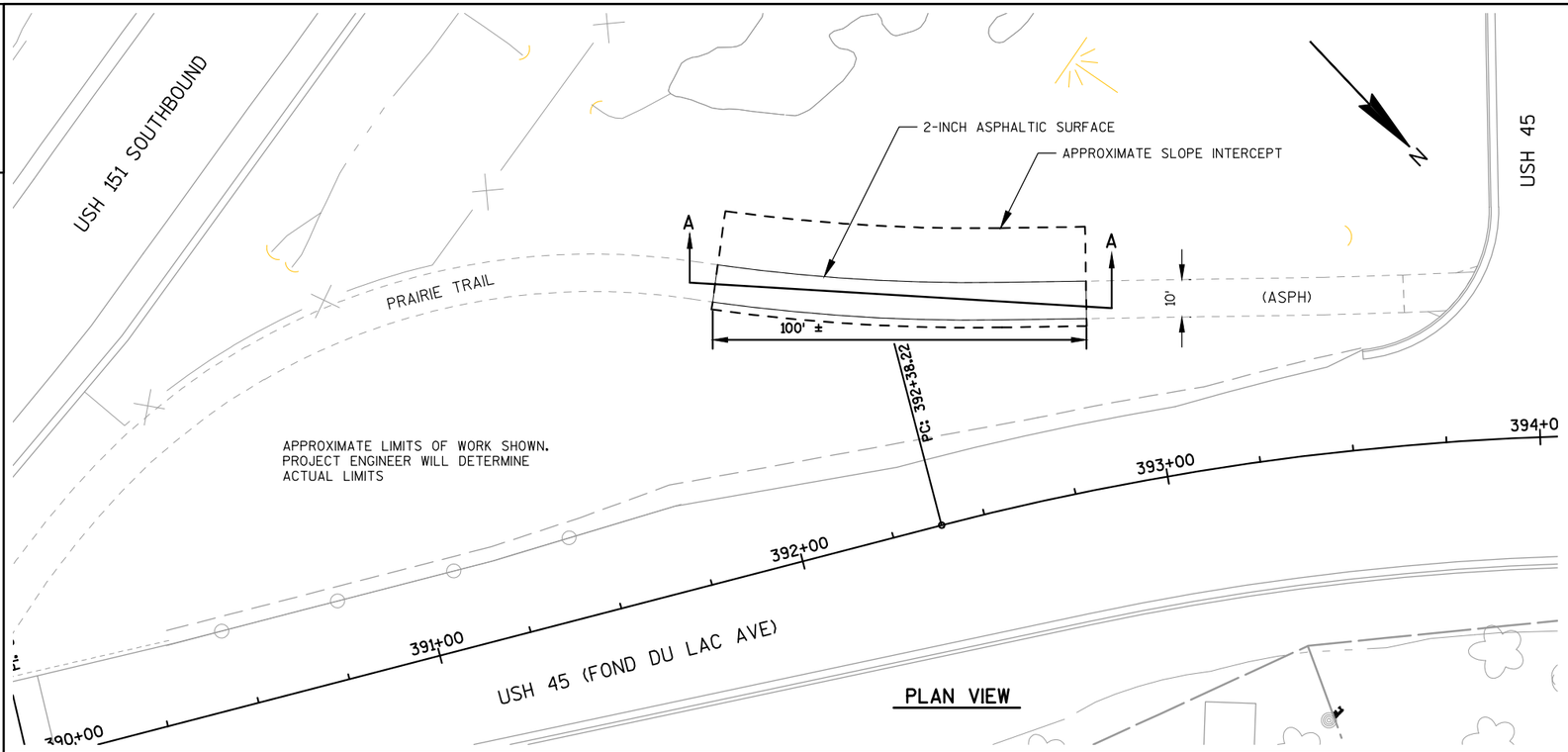
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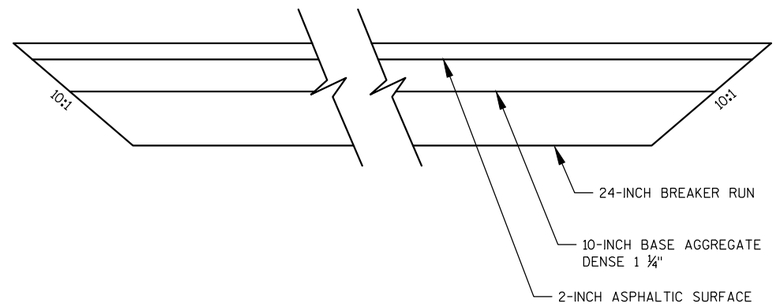


INLET MEDIAN 3 GRATE SPECIAL

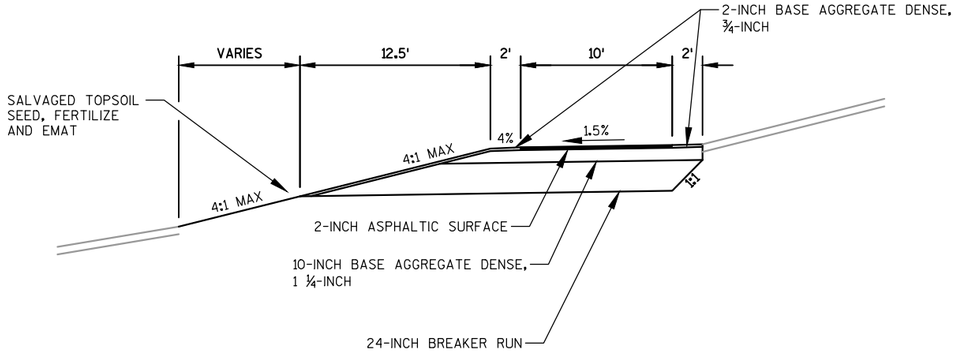
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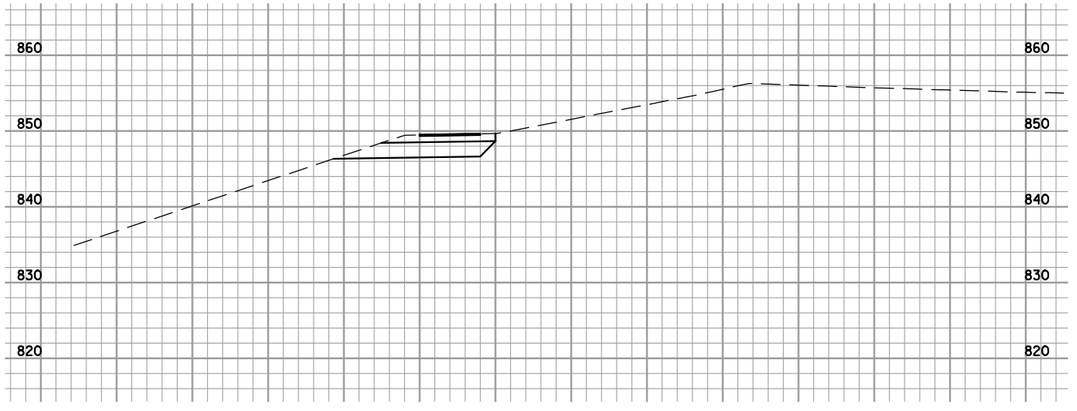
PLAN VIEW



SECTION A-A



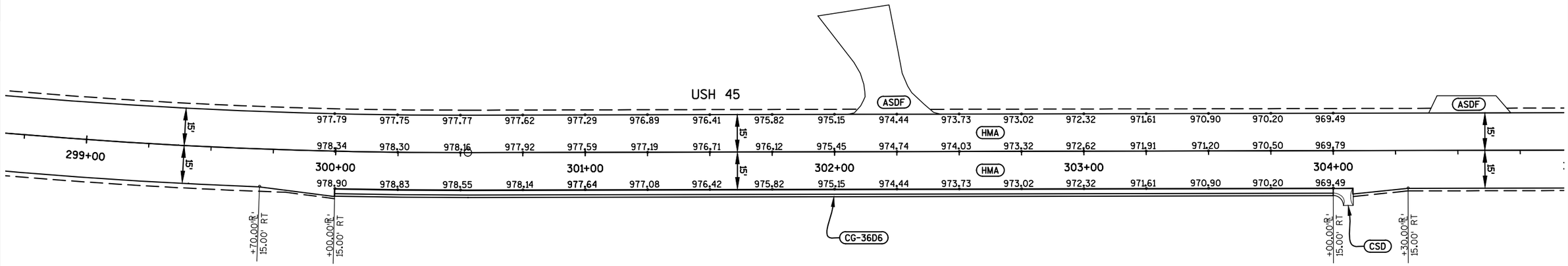
TYPICAL FINISHED SECTION FOR PRAIRIE TRAIL



CROSS SETION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CONSTRUCTION DETAIL - PRAIRIE TRAIL REPAIR	SHEET 22	E

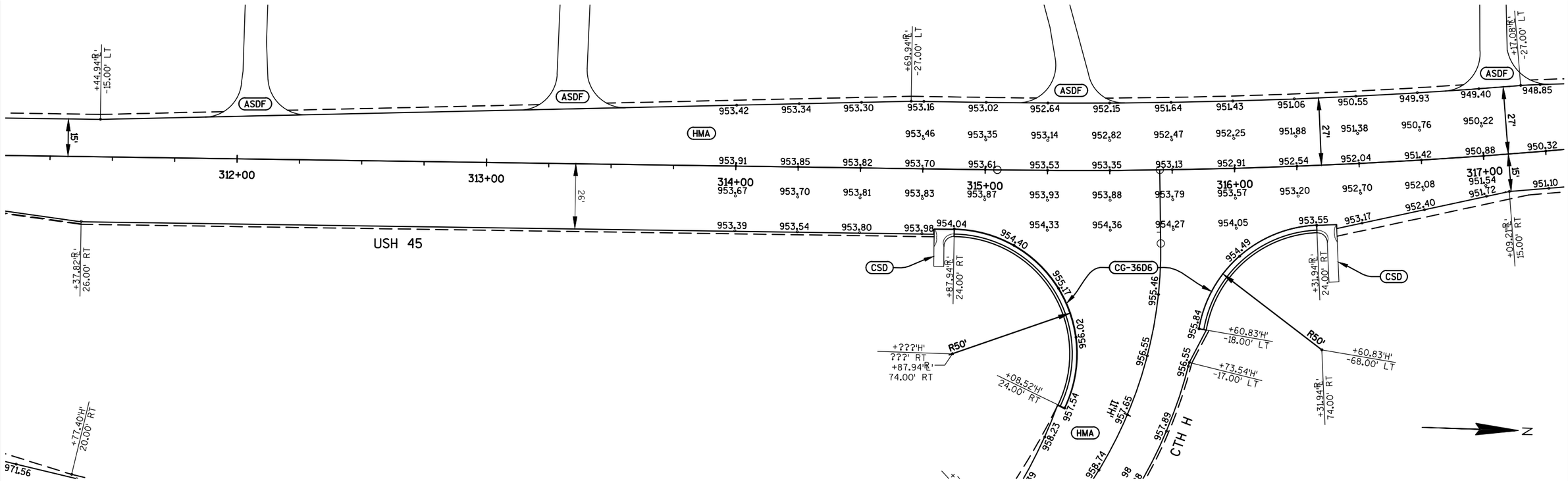
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PAVING DETAIL LEGEND

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-36D6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CSD	CONCRETE SURFACE DRAIN
HMA	HMA PAVEMENT

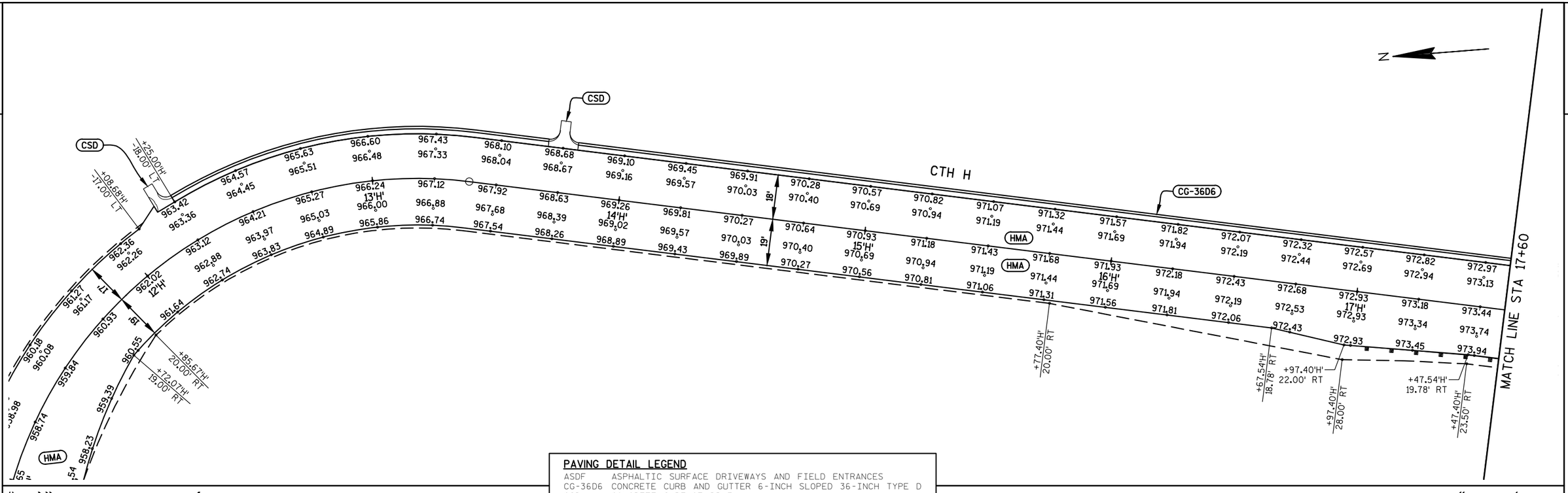
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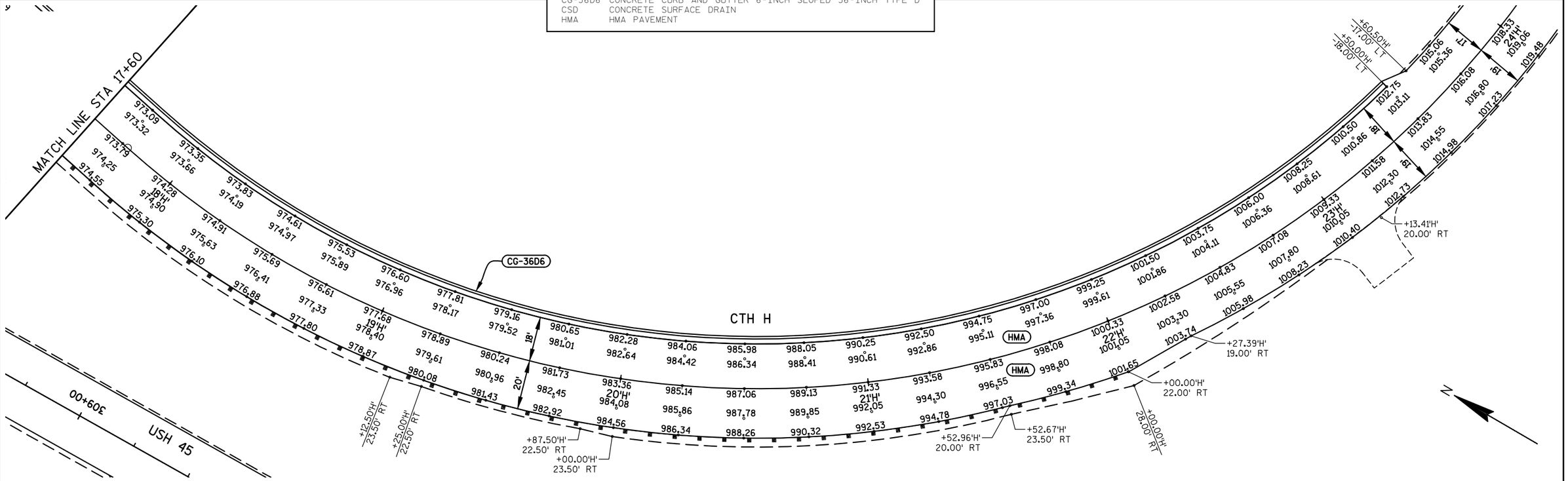
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PAVING DETAILS - USH 45	SHEET 23 E

2



PAVING DETAIL LEGEND

ASDF	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG-36D6	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CSD	CONCRETE SURFACE DRAIN
HMA	HMA PAVEMENT



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PAVING DETAILS - CTH H	SHEET 24 E

2

2

ROCK BAGS FOR SILT FENCE RELIEF

ROCK BAGS FOR SILT FENCE RELIEF

WALLS

WALLS

USH 45

150+00

155+00

160+00

MATCH LINE STA 163+30

N

SIGN

SIGN

SIGN

CEMETERY

RIPRAP

LEGEND

######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	EROSION MAT CLASS III, TYPE C
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	RIPRAP

NOTE: **ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED**

MATCH LINE STA 163+30

165+00

USH 45

170+00

LIME RD

CTH UU

SEPC

SEPV

MATCH LINE STA 176+60

175+00

GARNETT RD

SLAB

B

N

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 25	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_022001_EC.DWG
41102671_022001_ec

PLOT DATE : 9/1/2017 11:59 AM

PLOT BY : OMNNI ASSOCIATES, INC - BRAD GREGORIUS

WISDOT/CADDS SHEET 42

2

ROCK BAGS FOR SILT FENCE RELIEF

ROCK BAGS FOR SILT FENCE RELIEF

MATCH LINE STA 176+60

USH 45

180+00

185+00

SIGN

B

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- RIPRAP

NOTE: ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED

MEDIUM RIPRAP

MATCH LINE STA 189+90

USH 45

0+00

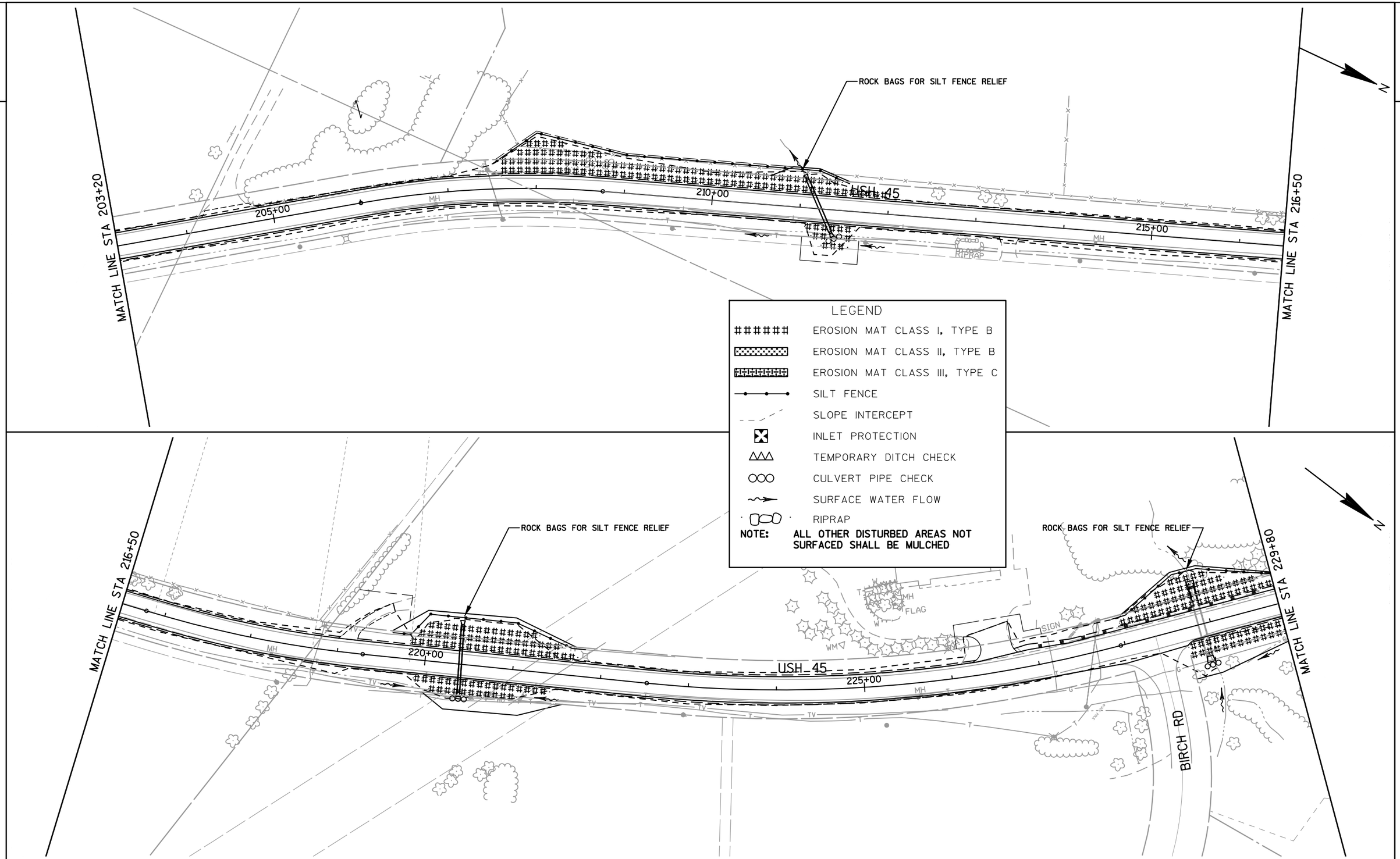
195+00

200+00

MATCH LINE STA 203+20

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 26	E

2

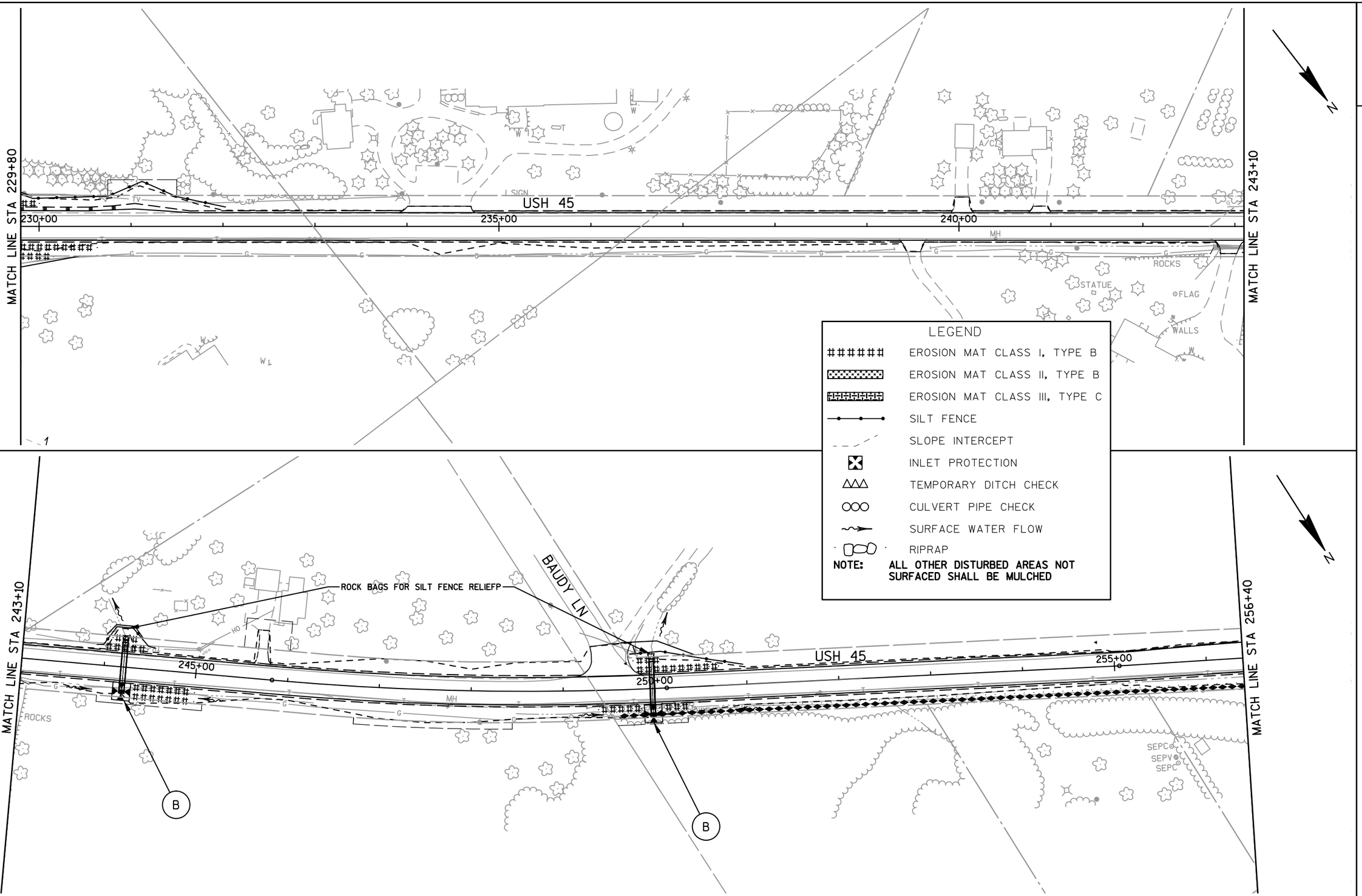


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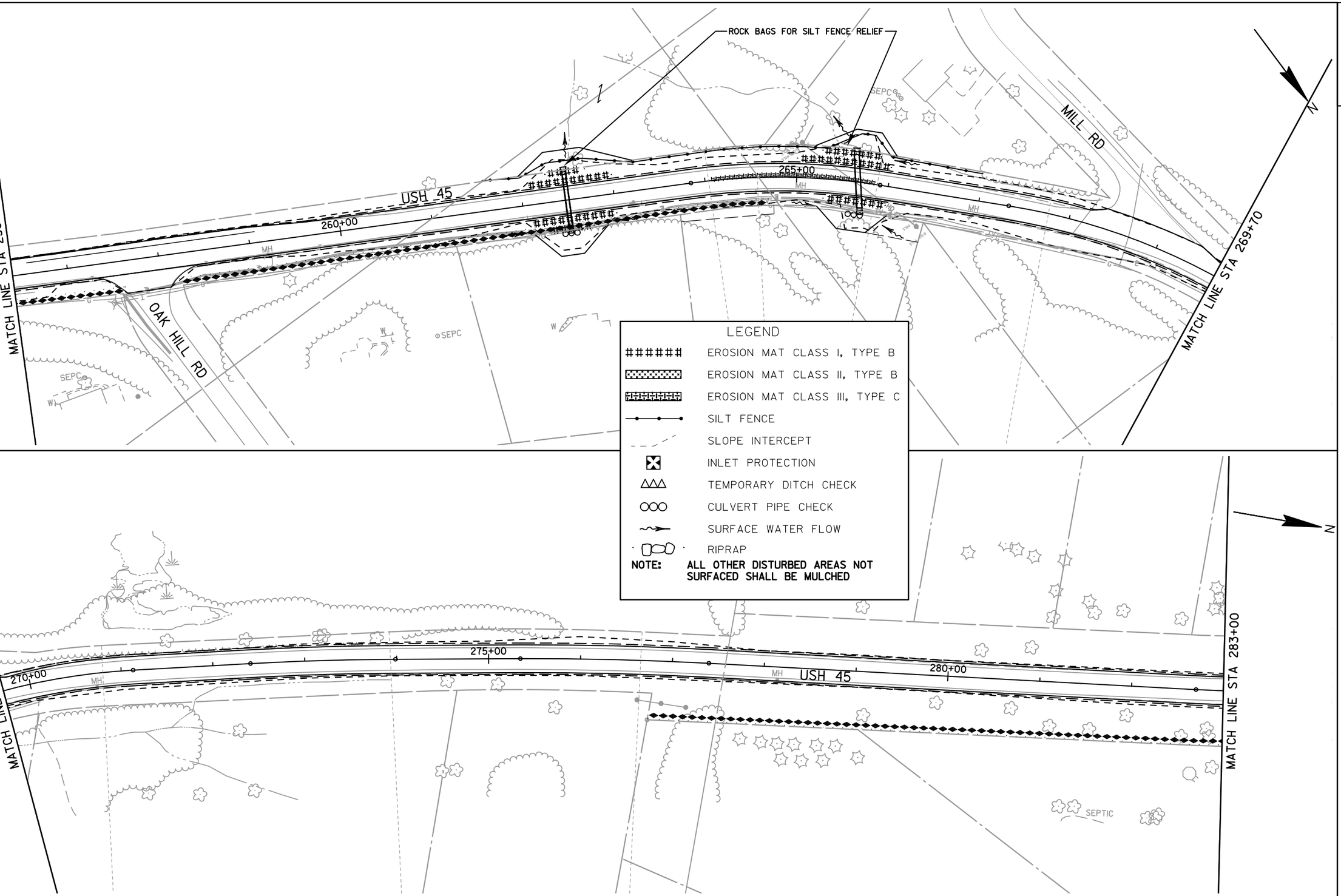
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41102671_022003_ec
PLOT DATE : 9/1/2017 11:06 AM
PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS
WISDOT/CADDS SHEET 42

2



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 28	E

2



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 29	E

2

MATCH LINE STA 283+00

SUMMIT CT

WALLS

MH

285+00

290+00

USH 45

295+00

MATCH LINE STA 296+30

N

LEGEND

- ###### EROSION MAT CLASS I, TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- RIPRAP

NOTE: ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED

ROCK BAGS FOR SILT FENCE RELIEF

MATCH LINE STA 296+30

SUMMIT CT

INL

300+00

305+00

USH 45

EXIST R/W

MATCH LINE STA 309+60

B

CTH H

MATCH LINE STA 22+25

N

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 30	E

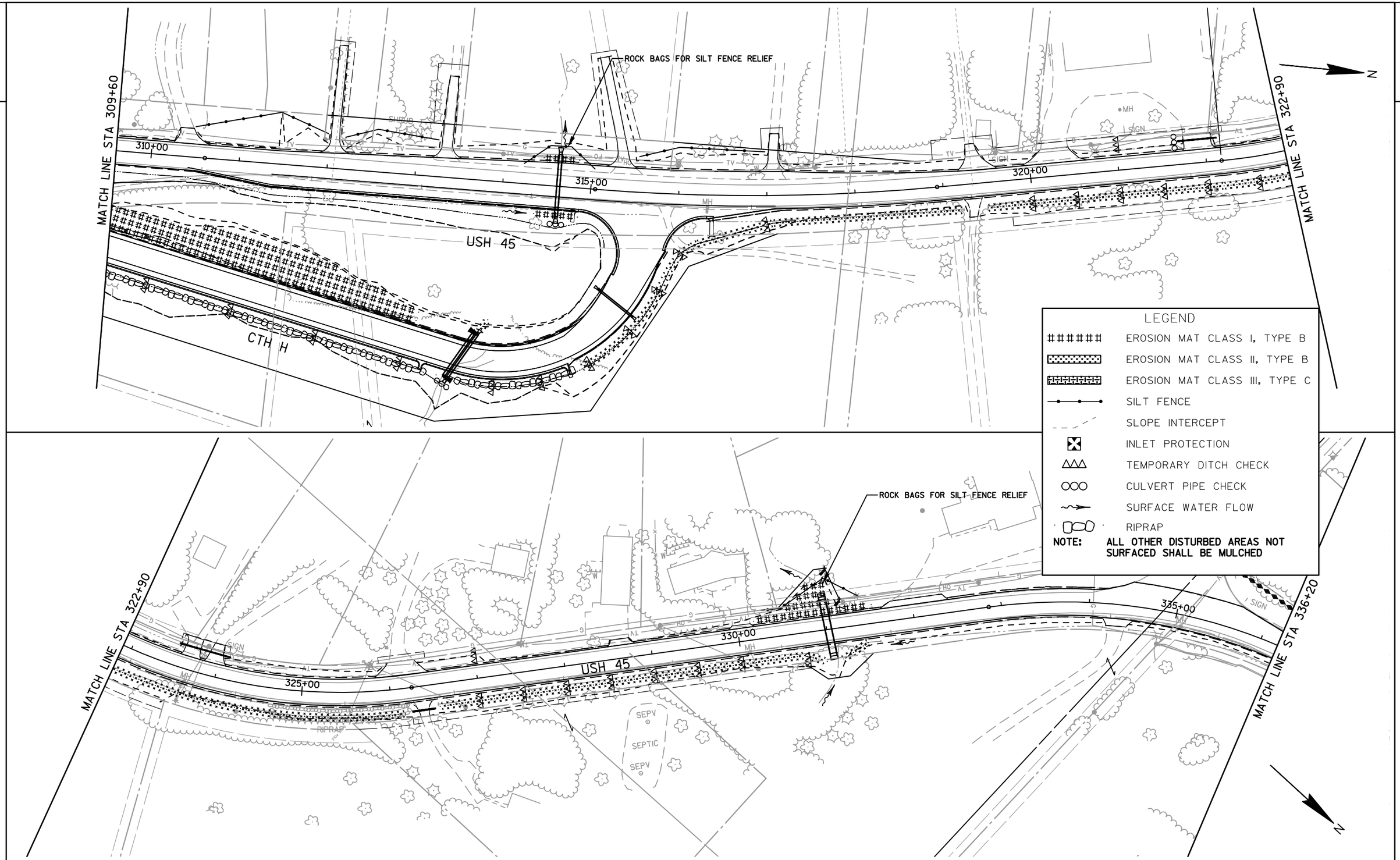
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PLOT DATE : 9/1/2017 11:08 AM

PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

WISDOT/CADDS SHEET 42

2



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 31	E

2

MATCH LINE STA 336+20

BIKE PATH

BERM

340+00

345+00

USH 45

MATCH LINE STA 349+50

OVERLAND TRAIL

ROCKS

RIPRAP

SEPC

SEPV

SEPTIC

SIGN

LEGEND

######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	EROSION MAT CLASS III, TYPE C
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION
△△△	TEMPORARY DITCH CHECK
○○○	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	RIPRAP

NOTE: ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED

N

MATCH LINE STA 349+50

350+00

355+00

360+00

USH 45

BOYKE RD

MATCH LINE STA 362+80

CTH K

STATUE

ANT.

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - USH 45	SHEET 32 E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_022001_EC.DWG
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PLOT DATE : 9/1/2017 11:17 AM

PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 362+80

365+00

370+00

375+00

MATCH LINE STA 376+10

USH 45

CTH K

LEGEND

######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	EROSION MAT CLASS III, TYPE C
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	RIPRAP

NOTE: ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED

N

MATCH LINE STA 376+10

VALLEY CREEK RD

380+00

385+00

USH 45

USH 45

USH 151 NB / EXIT ENTRANCE

USH 151 NB

USH 151 SB

PRAIRIE TRAIL

N

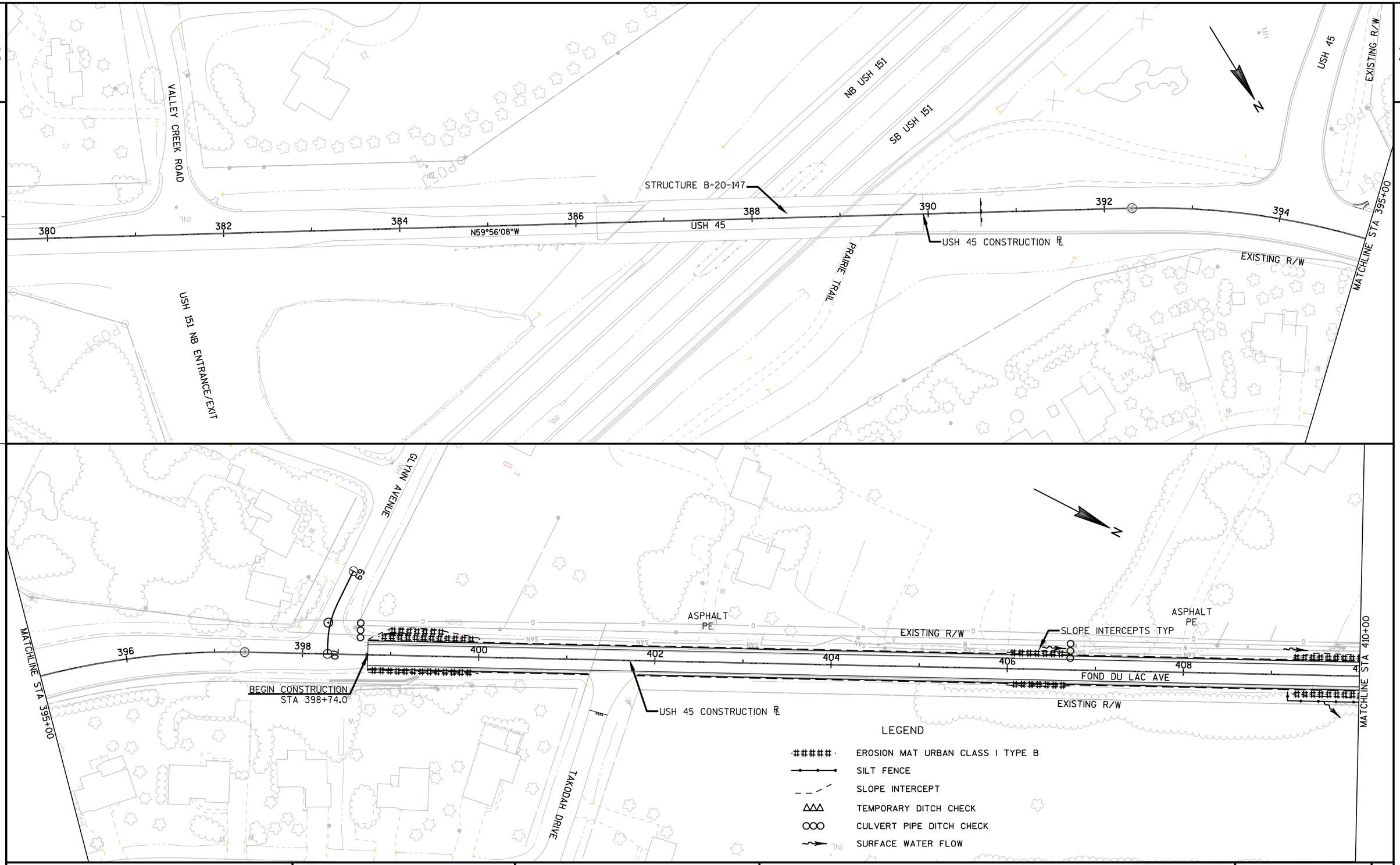
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_022001_EC.DWG
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PLOT DATE : 9/1/2017 11:18 AM

PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

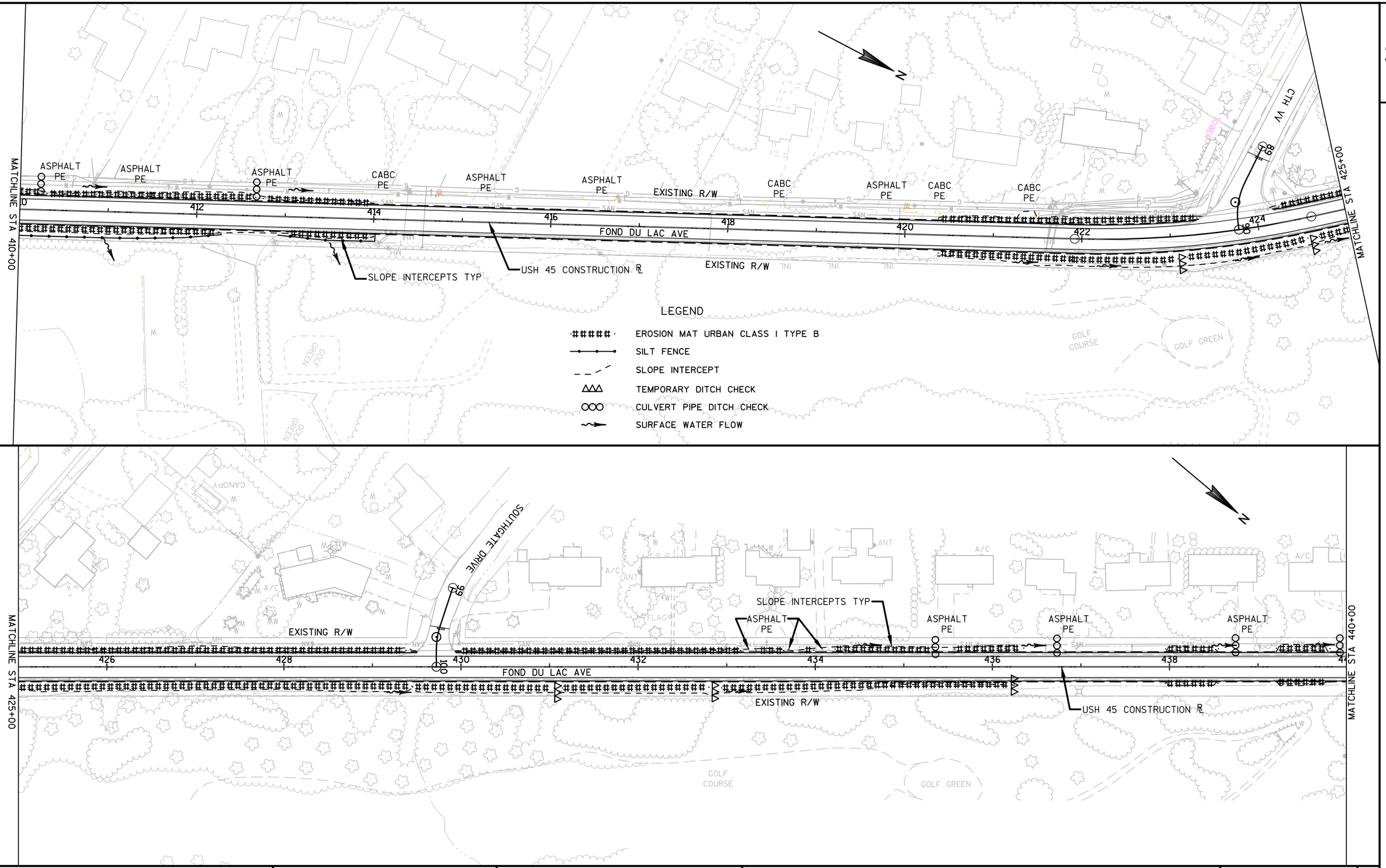
WISDOT/CADDS SHEET 42



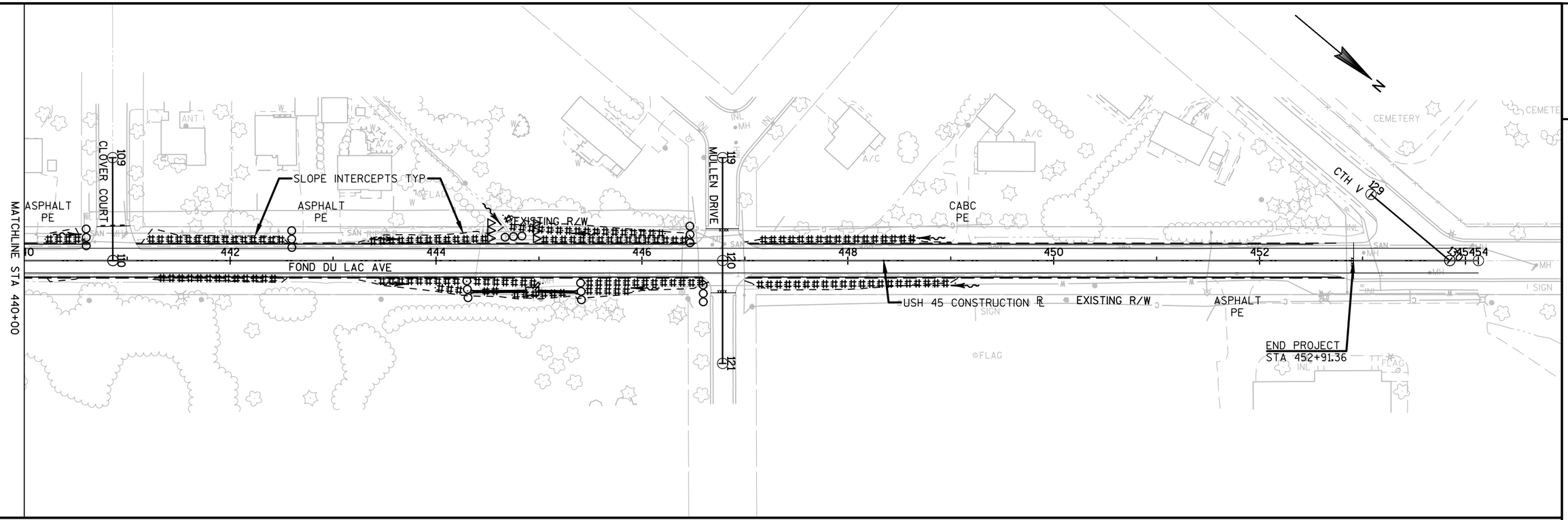
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 34	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\EROSION CONTROL\022001_EC.DWG PLOT DATE : 8/18/2017 12:16 PM PLOT BY : ANDY BLOCK PLOT NAME :

WISDOT/CADDS SHEET 44



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 35	E

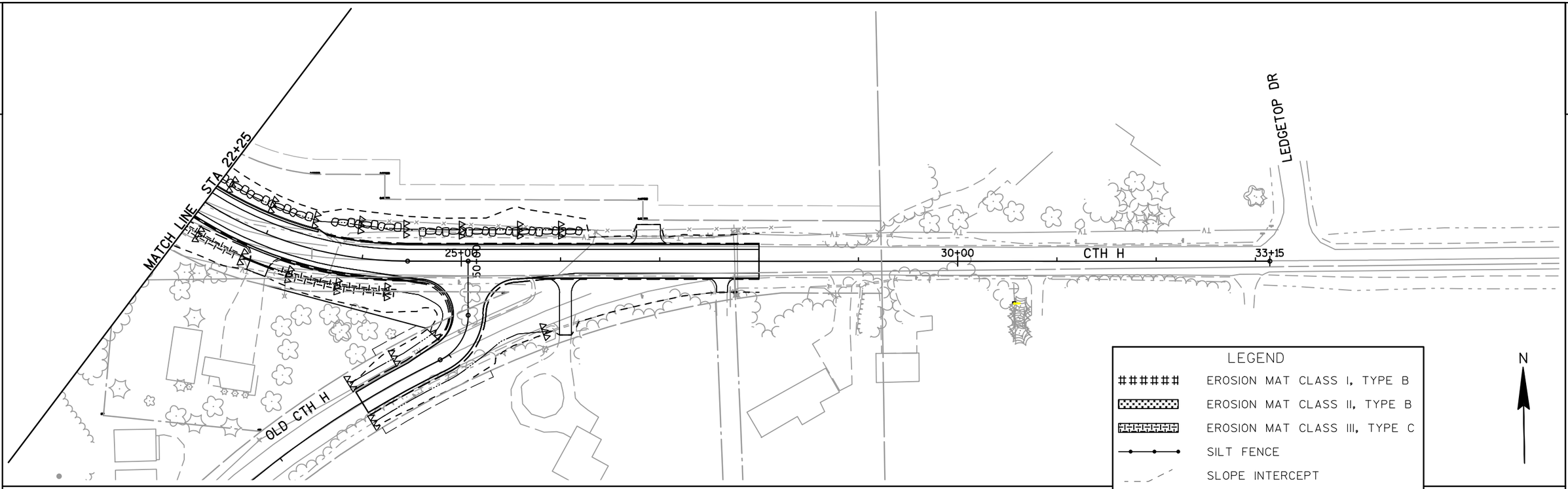


LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 36	E

2



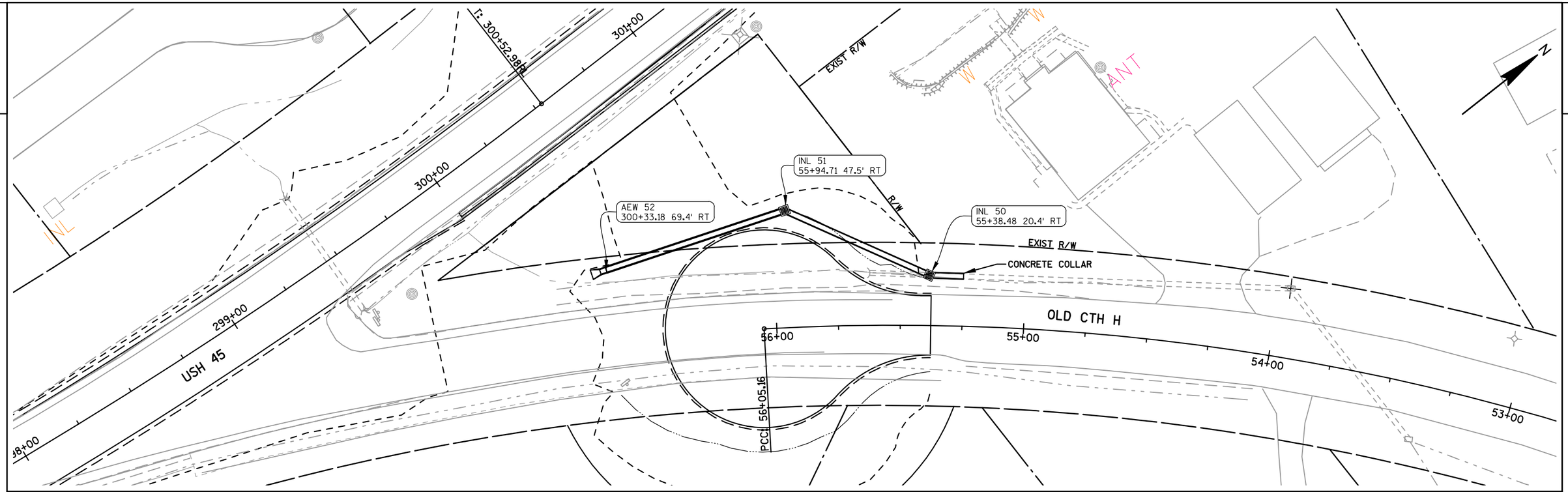
LEGEND

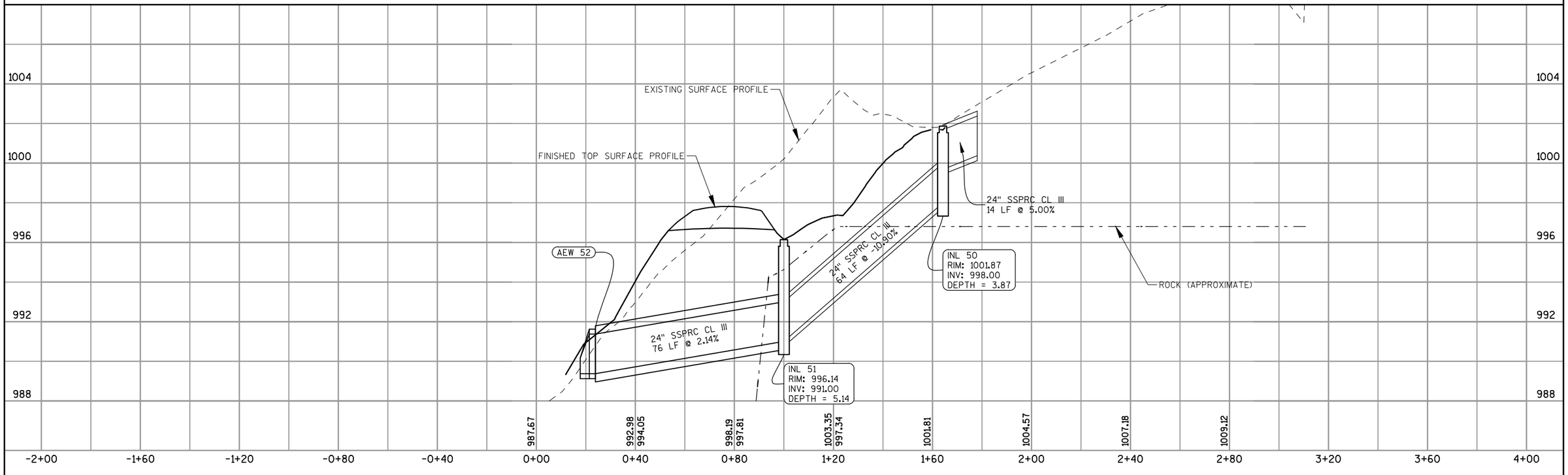
######	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS II, TYPE B
	EROSION MAT CLASS III, TYPE C
	SILT FENCE
	SLOPE INTERCEPT
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECK
	SURFACE WATER FLOW
	RIPRAP

NOTE: ALL OTHER DISTURBED AREAS NOT SURFACED SHALL BE MULCHED

PROJECT NO: 4080-04-71	HWY: USH 45	COUNTY: FOND DU LAC	EROSION CONTROL - CTH H	SHEET 37	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_022001_EC.DWG
41102671_022011_ec
PLOT DATE : 9/1/2017 1:50 PM
PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS
WISDOT/CADDS SHEET 42





PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	STORM SEWER - OLD CTH H	SHEET 38	E

2

SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

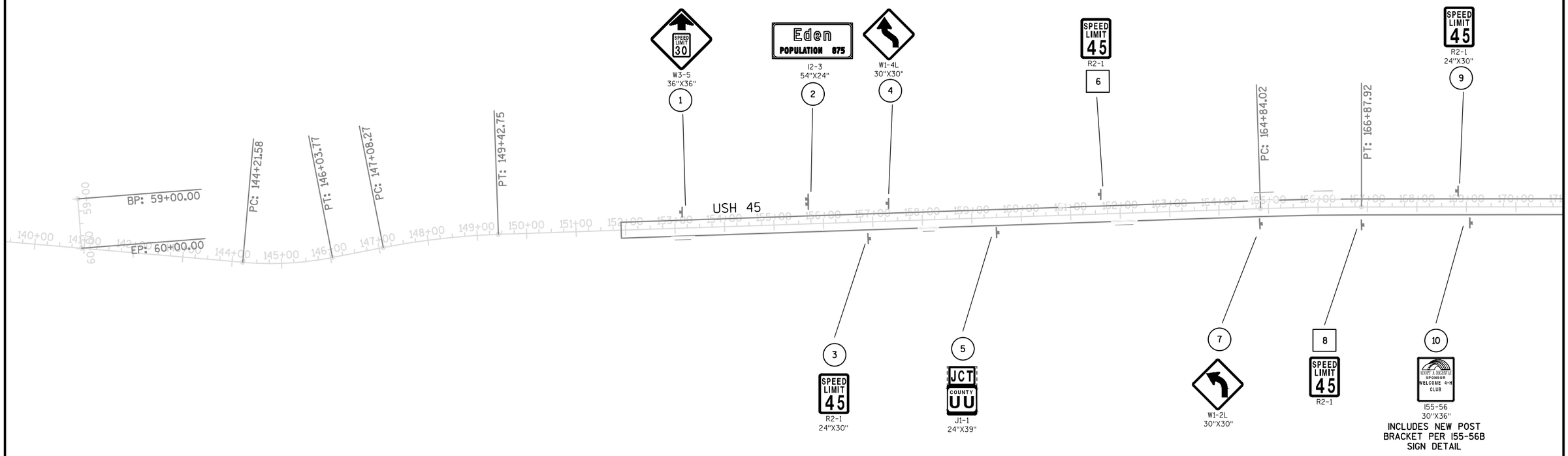
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

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MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL.

N

2



(---) SIGN-REMOVE AND REPLACE

[---] SIGN-REMOVE EXISTING

<---> SIGN-PLACE NEW

SHEET 1 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WISDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 39	E

FILE NAME : N:\SPO\TRAFFIC\SIGNING\PROJECTS\4110-26-71 STH 45 - FDL\023201 PS.DWG
LAYOUT NAME - PLAN 1 IN 200 FT

PLOT DATE : 10/26/2017 7:10 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

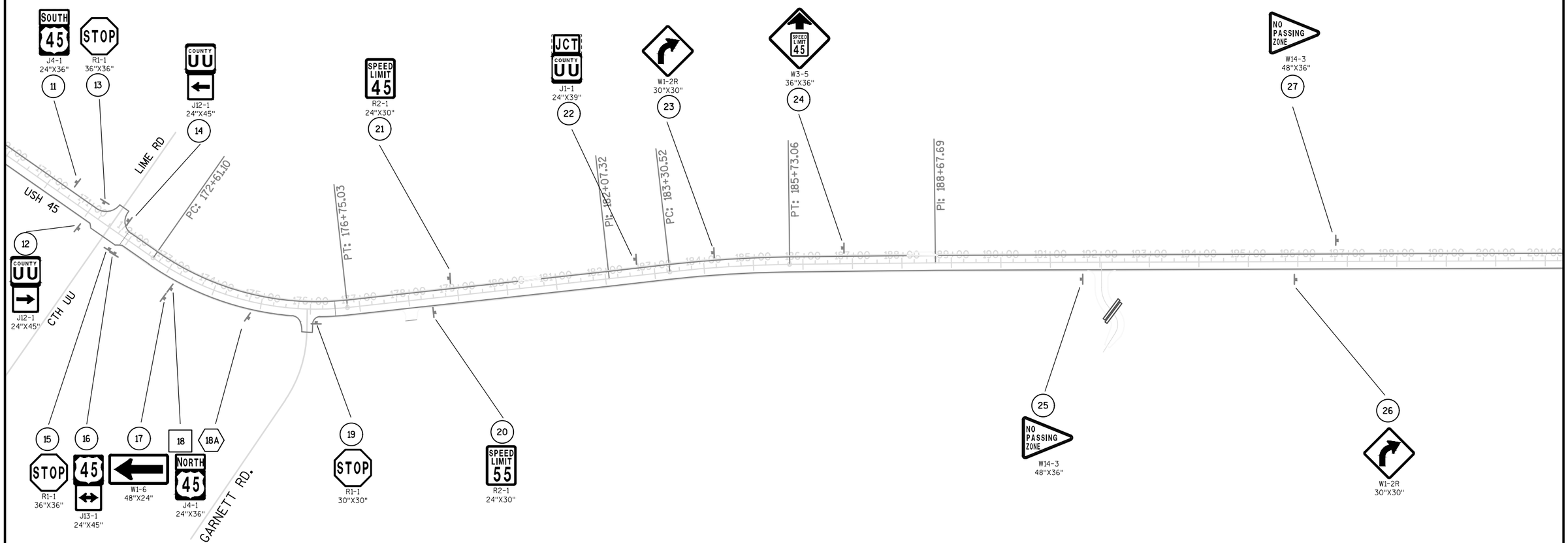
SIGNING NOTES

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MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, WILL BE PAID AS ONE (1) SIGN REMOVAL.



SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 2 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 40	E

SIGNING NOTES

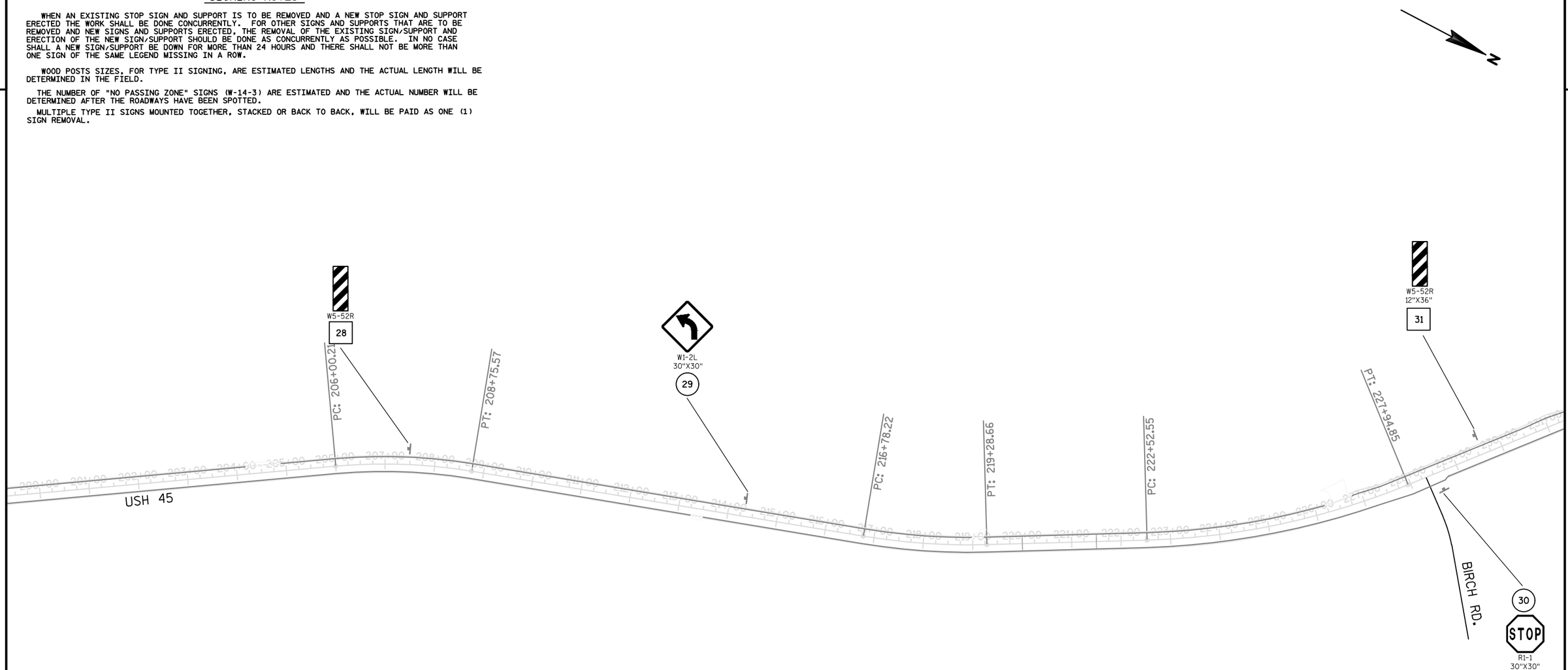
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2



SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 3 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 41	E

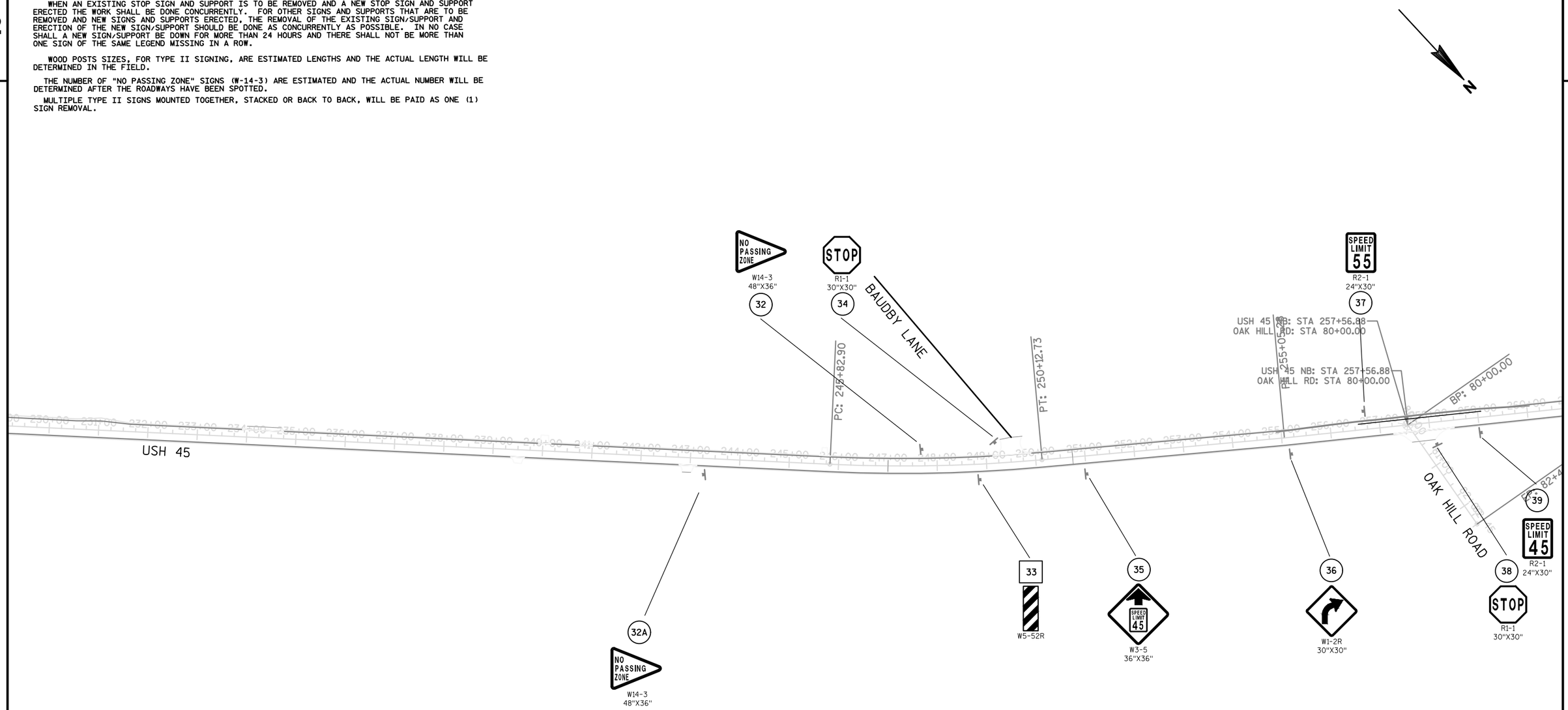
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 4 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 42	E

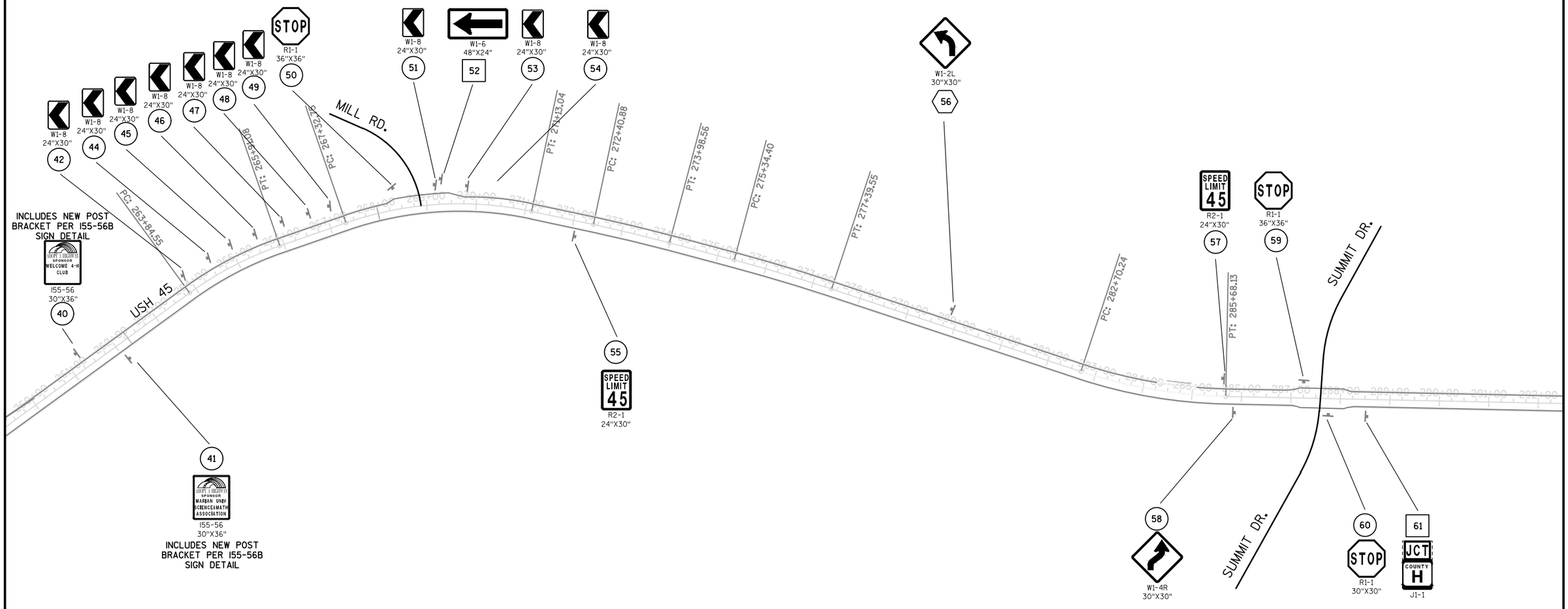
SIGNING NOTES

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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 5 OF 11 TYPE II SIGNING

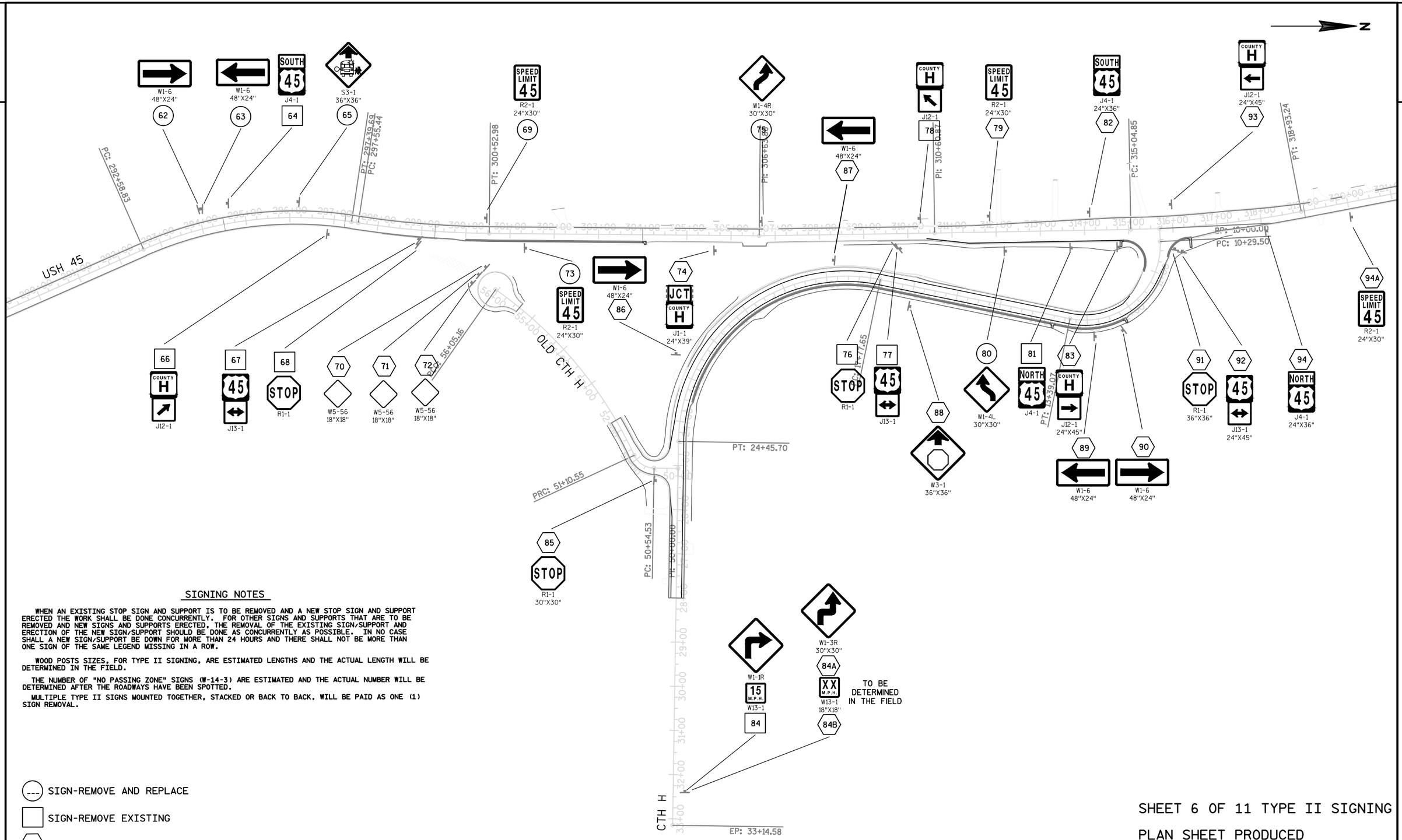
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 43	E

FILE NAME : N:\SPO\TRAFFIC\SIGNING\PROJECTS\4110-26-71 STH 45 - FDL\023205 PS.DWG
LAYOUT NAME - PLAN 1 IN 200 FT

PLOT DATE : 12/20/2017 2:48 PM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



SIGNING NOTES

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND WISSING IN A ROW.

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(___) SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 6 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 44 E

FILE NAME : N:\SPO\TRAFFIC\SIGNING\PROJECTS\4110-26-71 STH 45 - FDL\023206 PS.DWG
LAYOUT NAME - PLAN 1 IN 200 FT

PLOT DATE : 10/26/2017 7:19 AM PLOT BY : SIKORSKI, ERIC T PLOT NAME : PLOT SCALE : 1 IN:200 FT

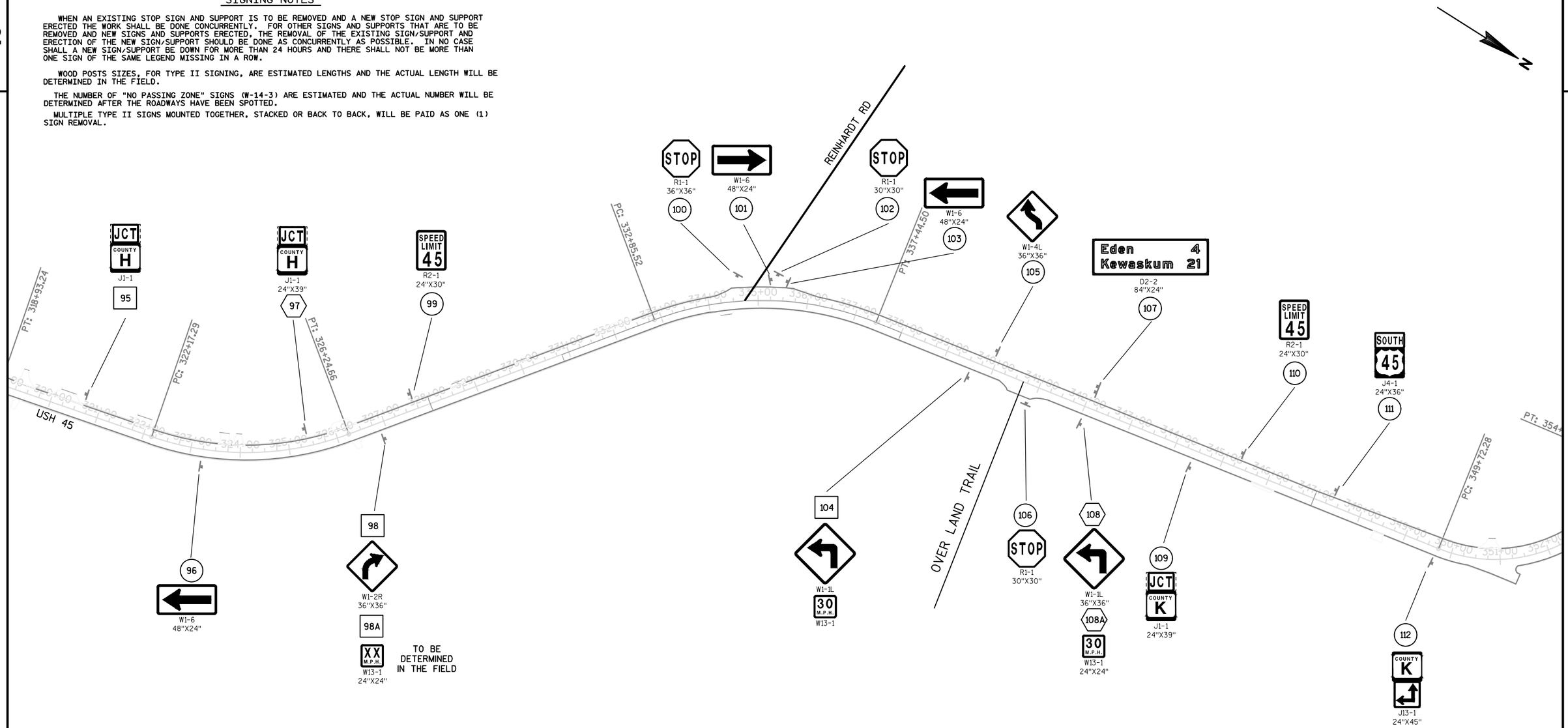
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 7 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 45 E

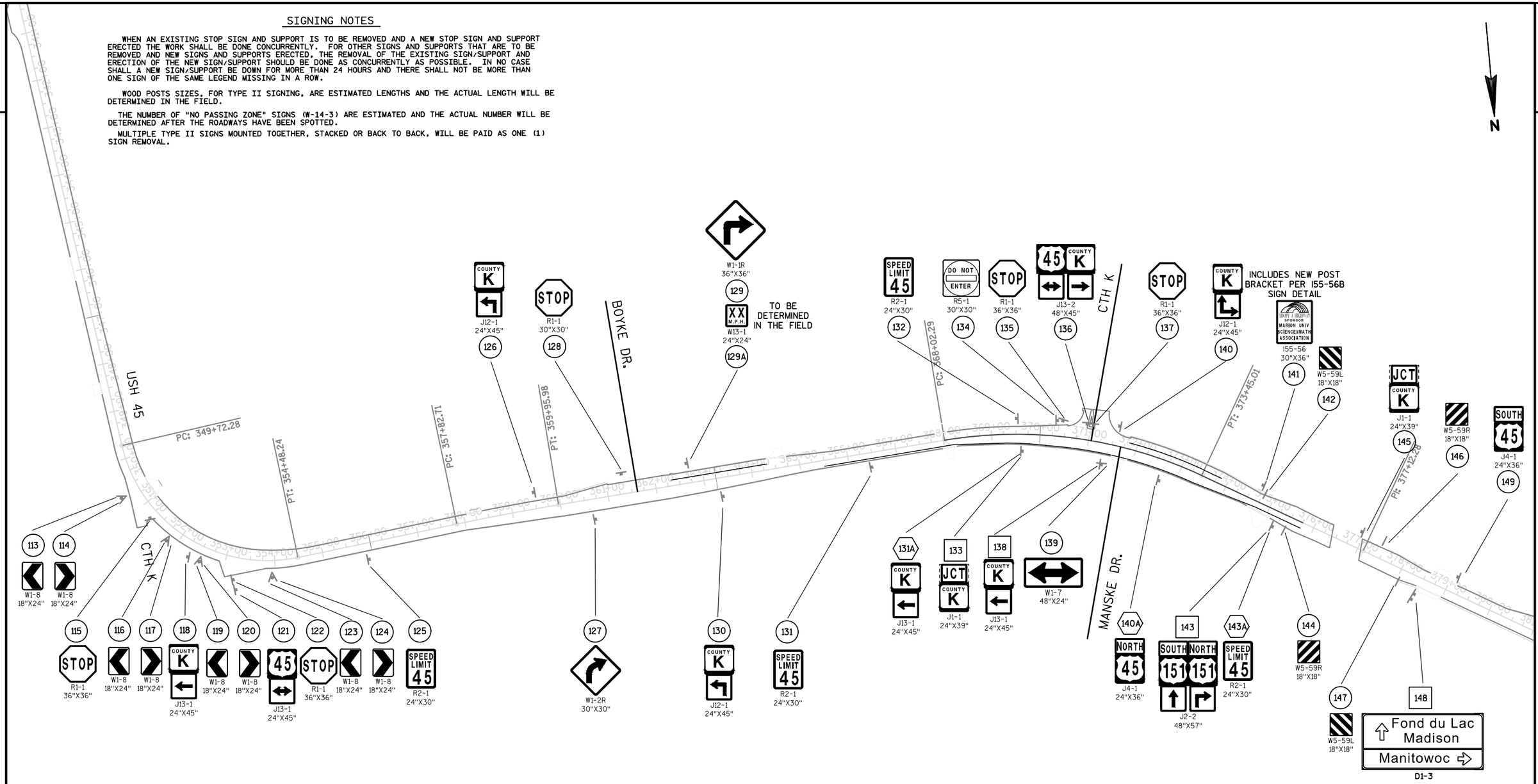
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(---) SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 8 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:4110-26-71	HWY:USH 45	COUNTY:FOND DU LAC	PERMANENT SIGNING	SHEET 46	E

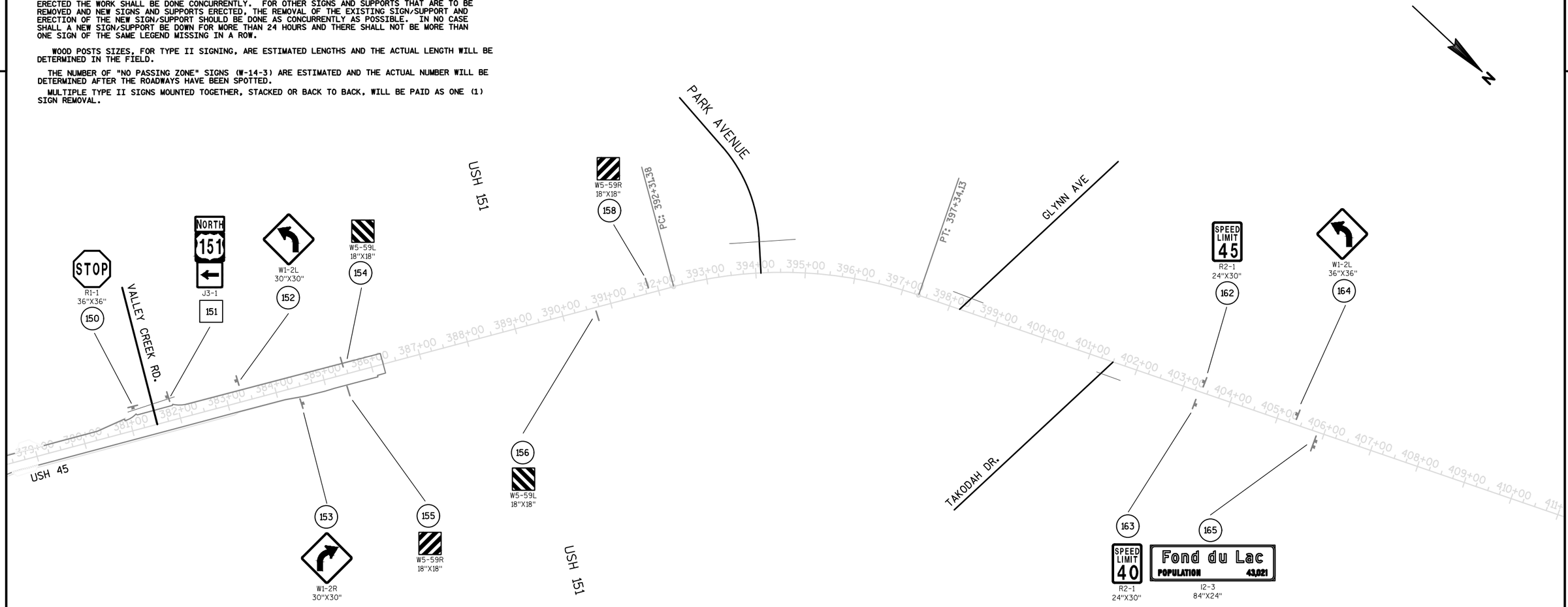
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 9 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 47	E

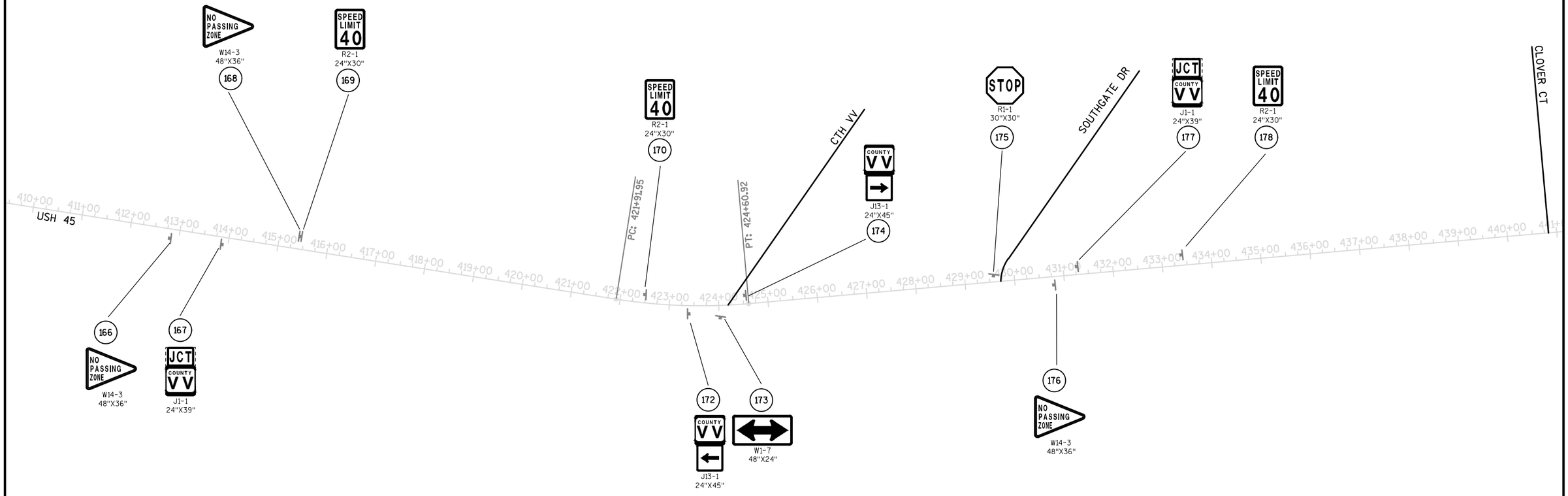
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

SIGN-PLACE NEW

SHEET 10 OF 11 TYPE II SIGNING

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 48	E

2

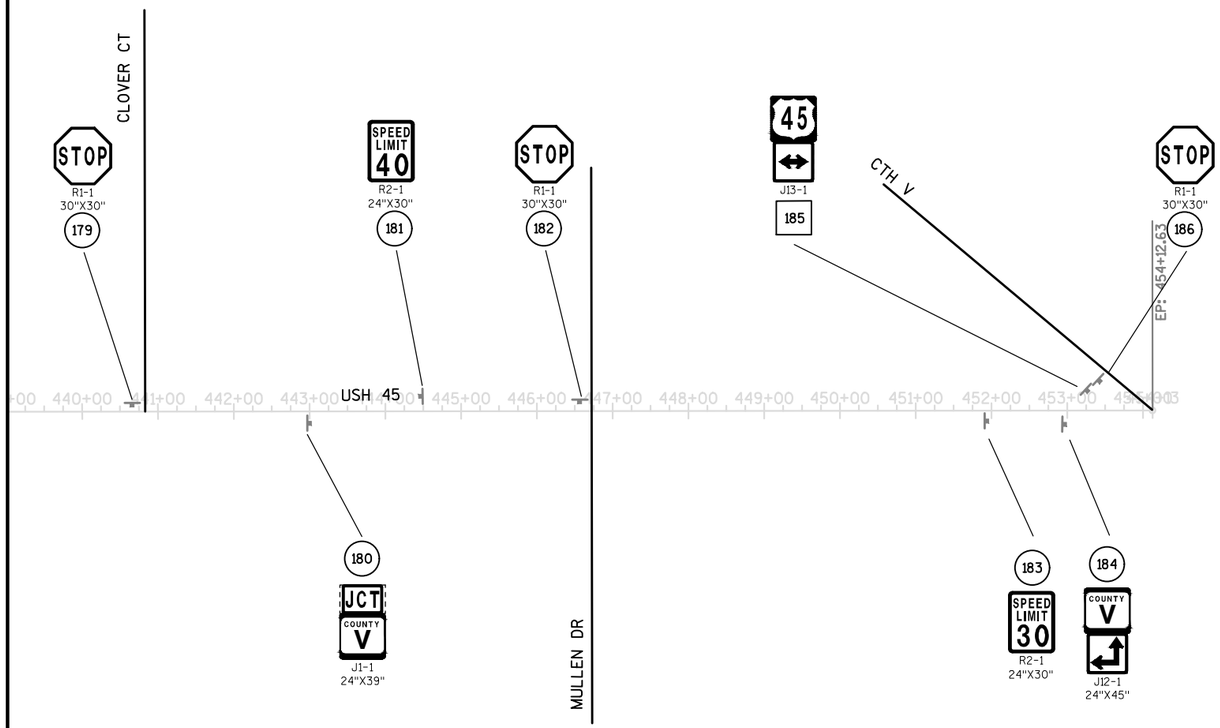
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SIGN-REMOVE AND REPLACE

SIGN-REMOVE EXISTING

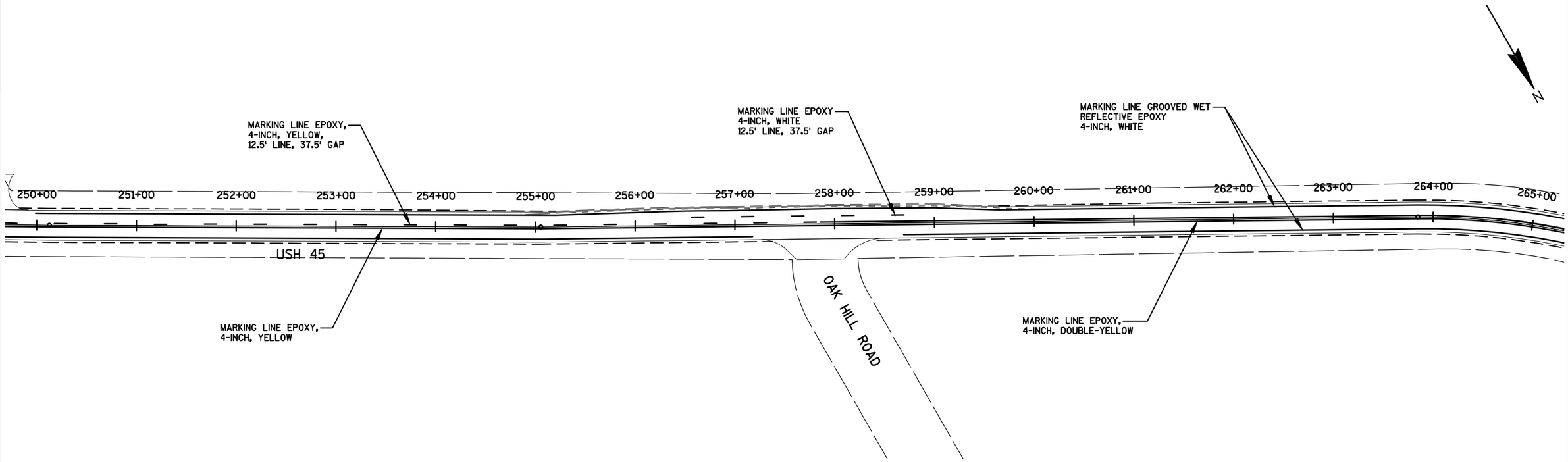
SIGN-PLACE NEW

SHEET 11 OF 11 TYPE II SIGNING

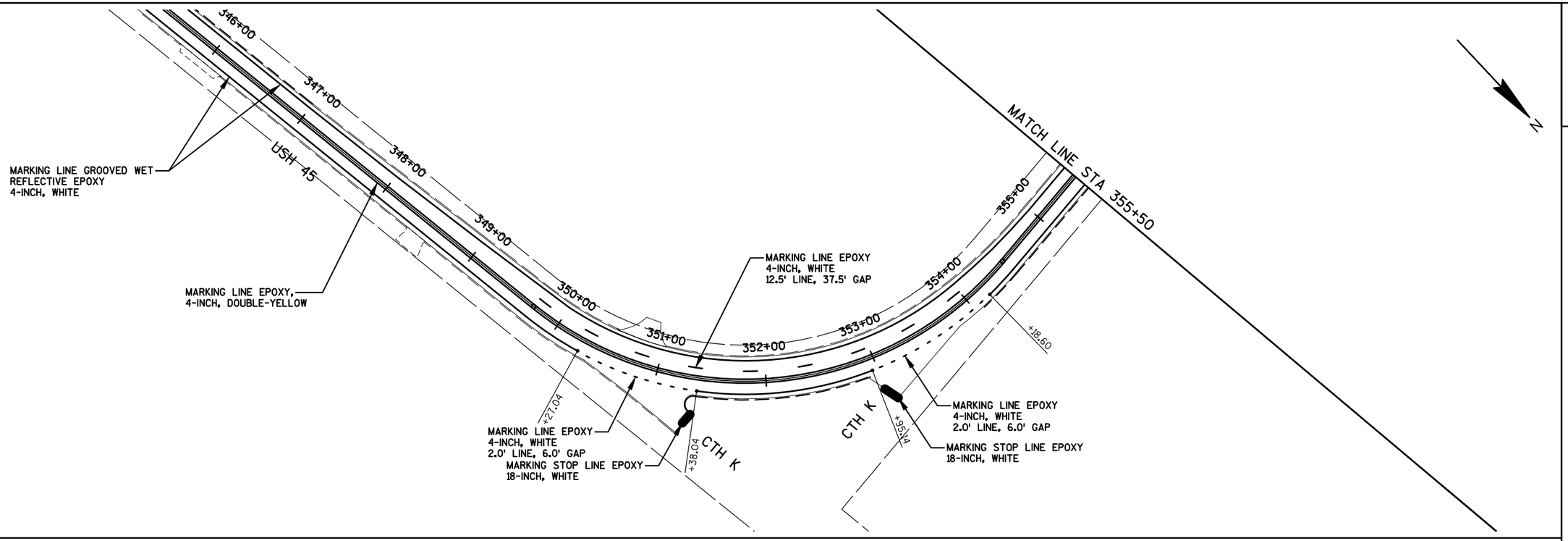
PLAN SHEET PRODUCED BY WisDOT-NE REGION

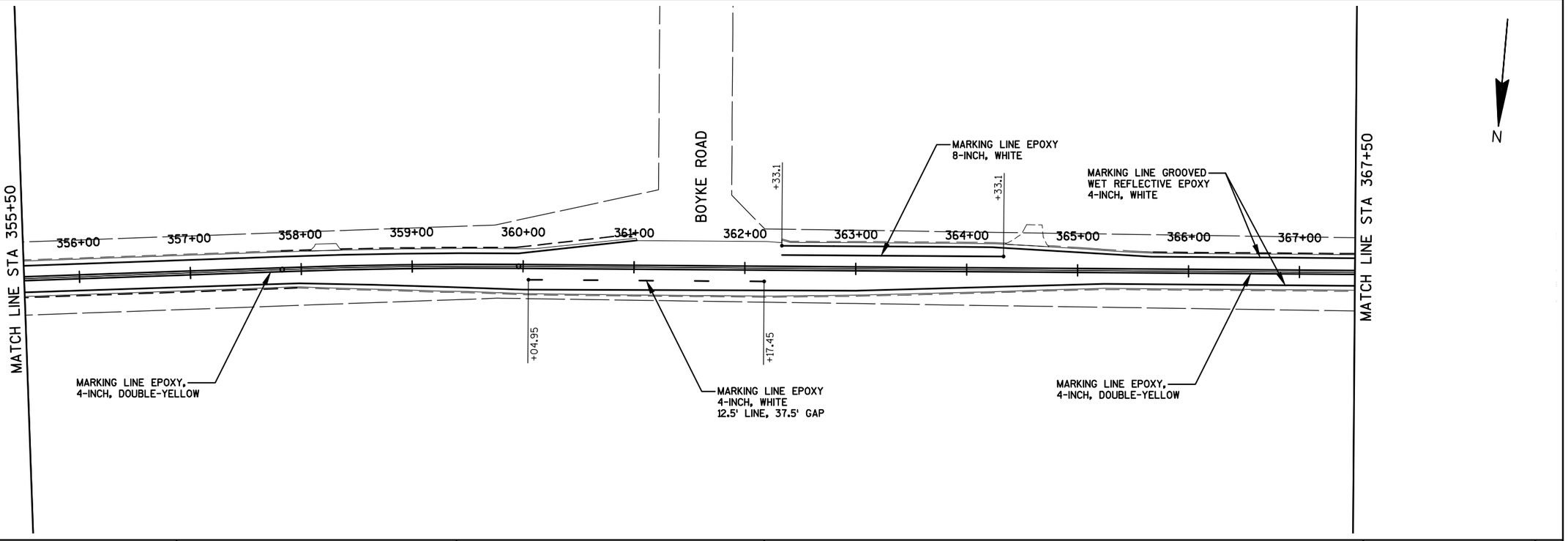
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PERMANENT SIGNING	SHEET 49	E

2



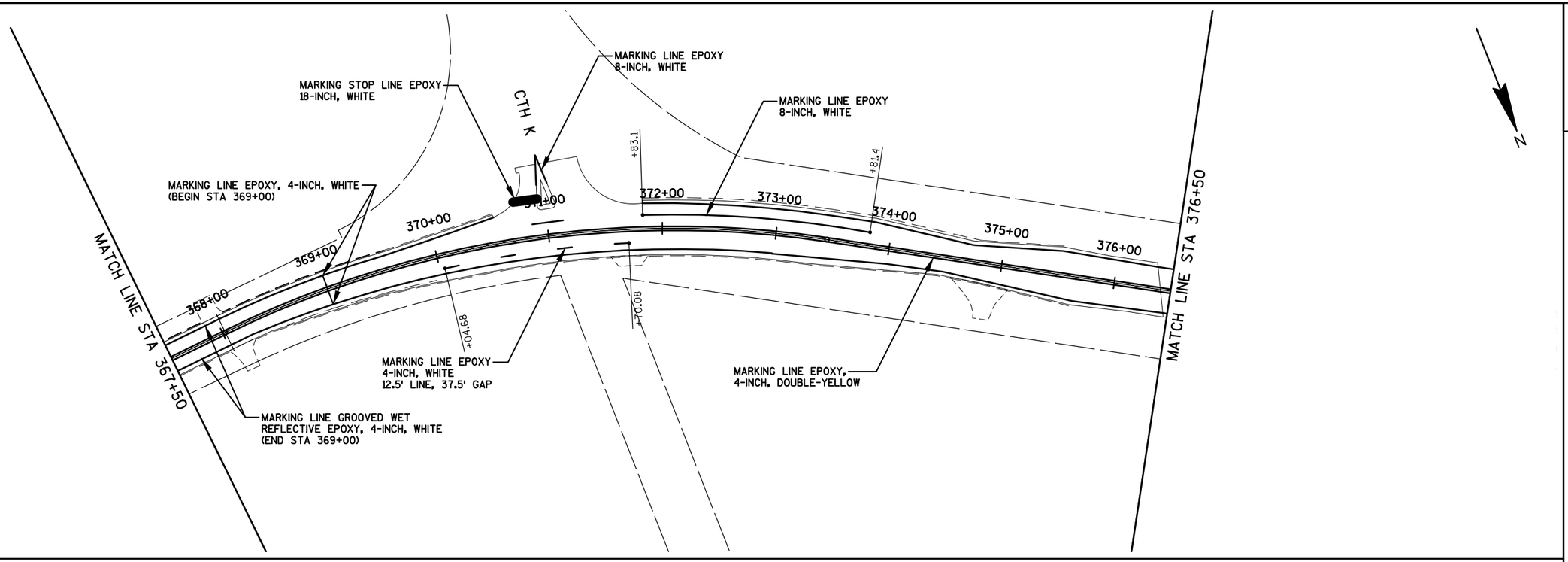
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 50	E

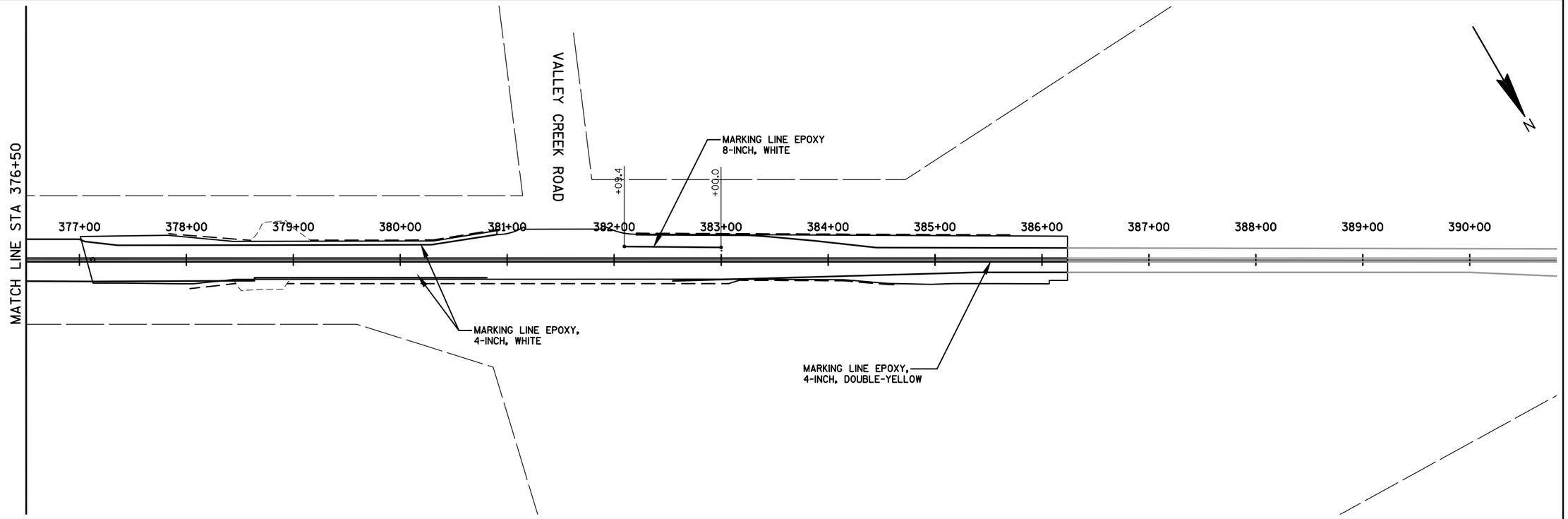




PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 51	E

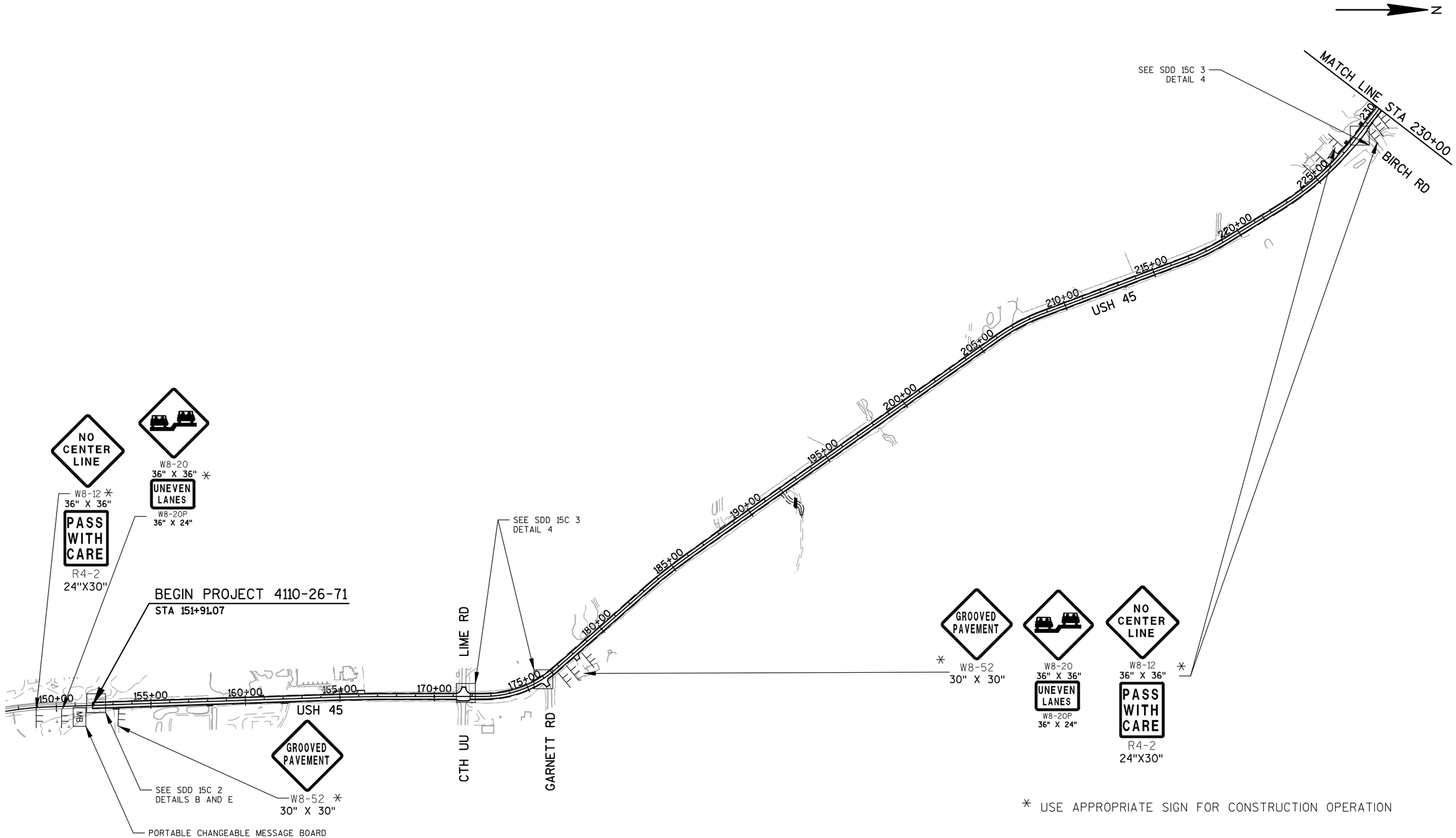
2





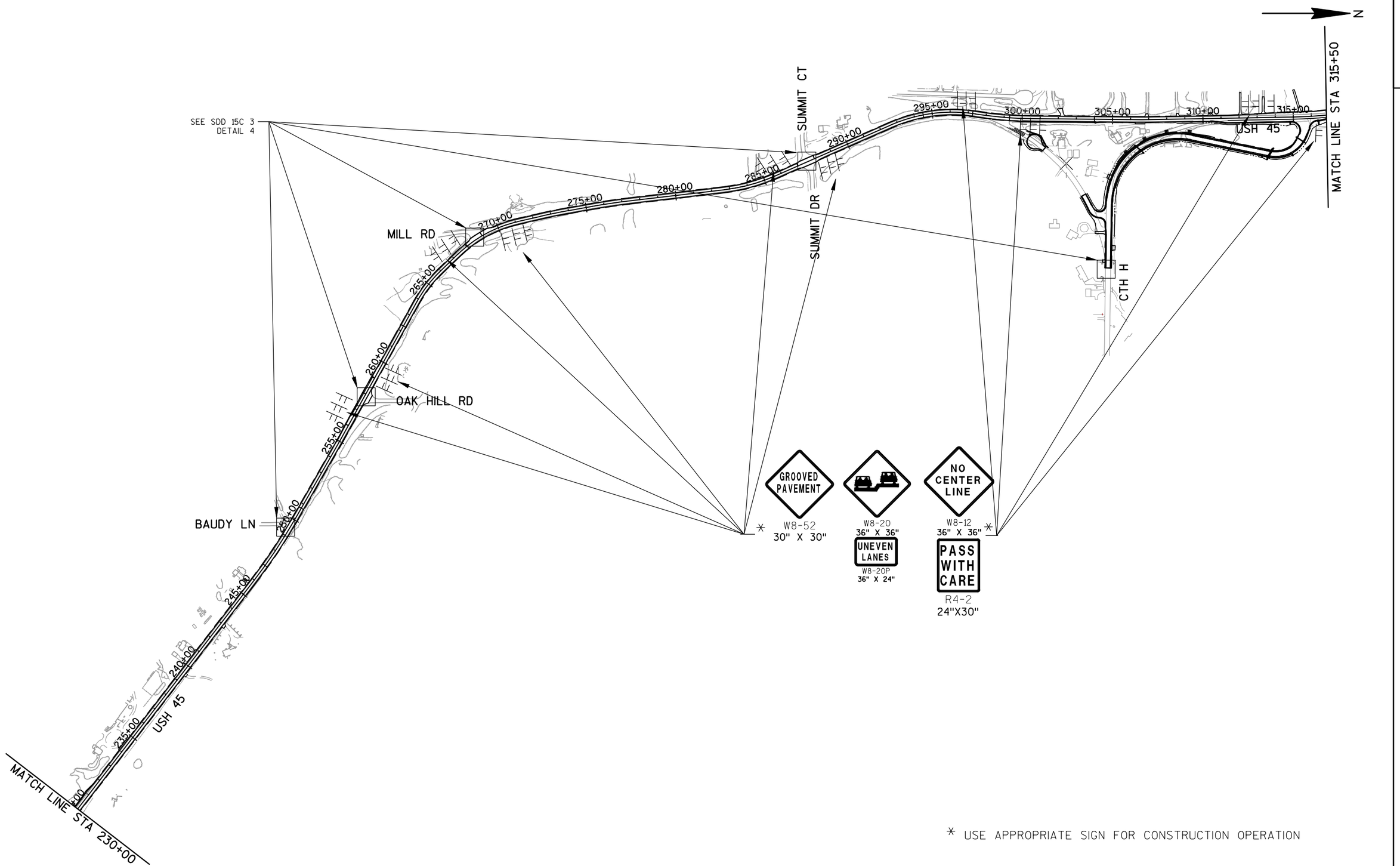
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PAVEMENT MARKING	SHEET 52	E

2



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TRAFFIC CONTROL	SHEET 53	E

2


N
SEE SDD 15C 3
DETAIL 4
MILL RD
OAK HILL RD
BAUDY LN
SUMMIT CT
SUMMIT DR
CTH H
USH 45
MATCH LINE STA 315+50
MATCH LINE STA 230+00
230+00
235+00
240+00
245+00
250+00
255+00
260+00
265+00
270+00
275+00
280+00
285+00
290+00
295+00
300+00
305+00
310+00
315+00
GROOVED PAVEMENT
W8-52
30" X 30"
W8-20
36" X 36"
UNEVEN LANES
W8-20P
36" X 24"
NO CENTER LINE
W8-12
36" X 36"
PASS WITH CARE
R4-2
24"X30"
* USE APPROPRIATE SIGN FOR CONSTRUCTION OPERATION

2

MATCH LINE STA 315+50

USH 45

REINHARDT RD

SEE SDD 15C 3
DETAIL 4

BOYKE RD

OVERLAND TR

CTH K

SEE SDD 15C 3
DETAIL 4

STRUCTURE B-20-0074

VALLEY CREEK RD

SEE SDD 15C2
DETAILS B AND E

USH 151

MATCH LINE STA 390+00

SEE SDD 15C 2
DETAIL C

N

GROOVED PAVEMENT
W8-52
30" X 30"

W8-20
36" X 36"
UNEVEN LANES
W8-20P
36" X 24"

NO CENTER LINE
W8-12
36" X 36"
PASS WITH CARE
R4-2
24"X30"

PORTABLE CHANGEABLE MESSAGE BOARD

END PROJECT
STA 452+91.36

CTH V

SEE SDD 15C12

NATIONAL AVE

MULLEN DR

CLOVER CT

SOUTHGATE DR

CTH VV (E PIONEER RD)

GLYNN AVE

SEE SDD 15C12

PORTABLE CHANGEABLE MESSAGE BOARD

MATCH LINE STA 390+00

USH 151

TAKODAH DR

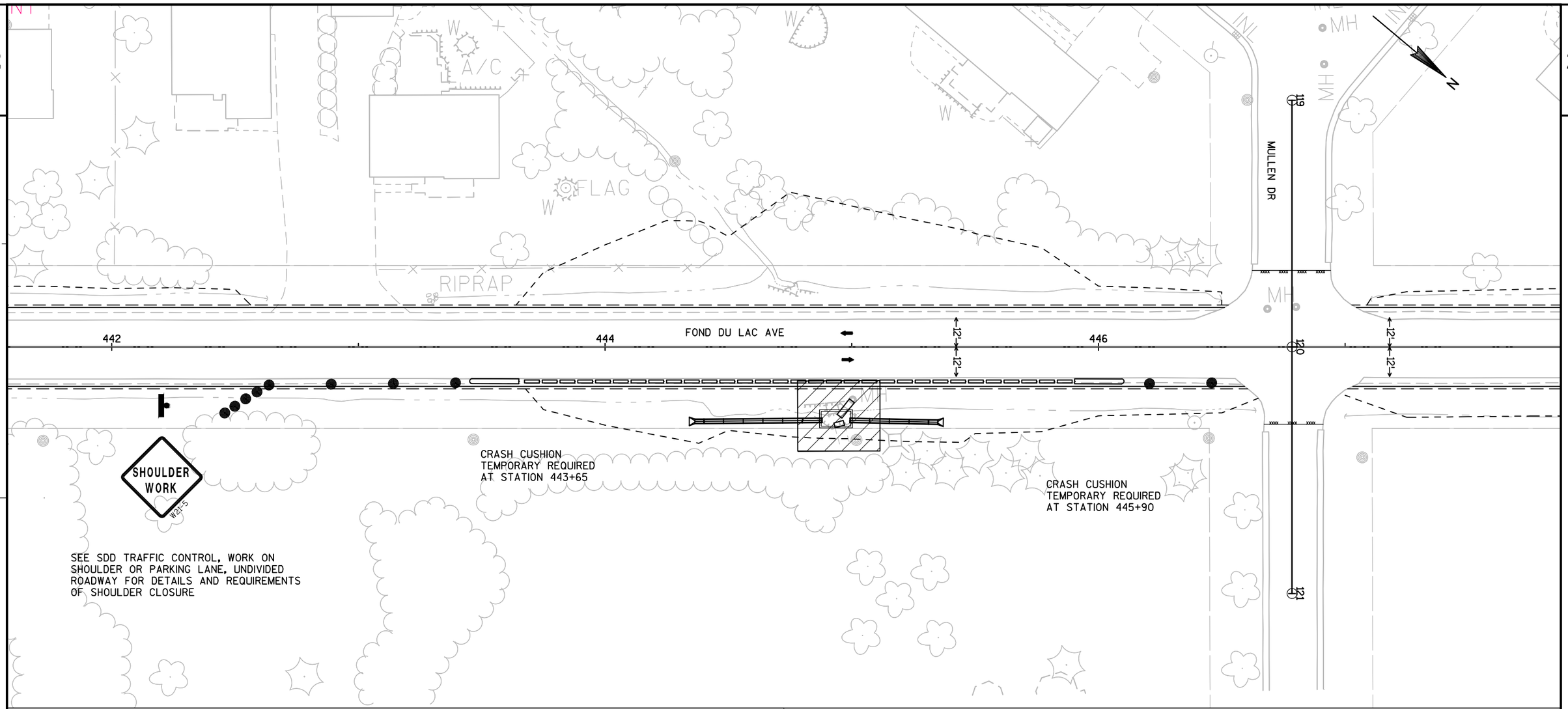
SEE SDD 15C4 "TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL"

SEE SDD 15C5 "TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL"

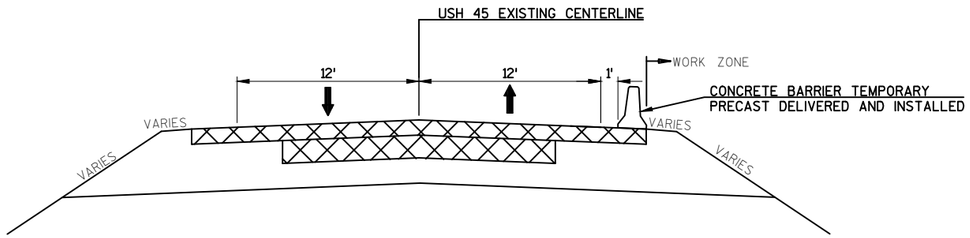
* USE APPROPRIATE SIGN FOR CONSTRUCTION OPERATION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TRAFFIC CONTROL	SHEET 55	E

2



SEE SDD TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR DETAILS AND REQUIREMENTS OF SHOULDER CLOSURE

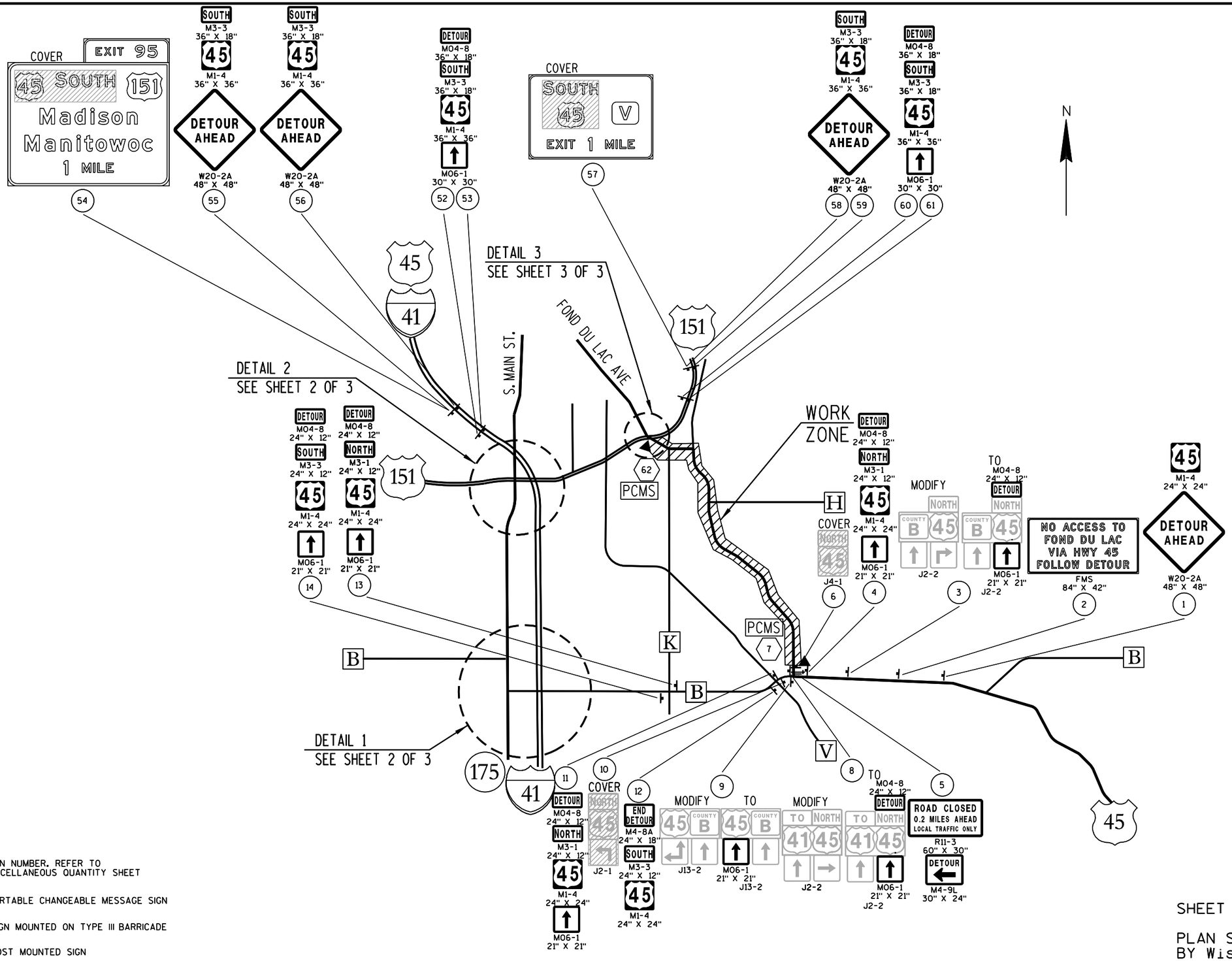


WORK ZONE TYPICAL SECTION FOR FOND DU LAC AVENUE
443+65 - 446+10

LEGEND

- CONCRETE BARRIER TEMPORARY PRECAST
- CRASH CUSHION TEMPORARY
- WORK AREA
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL SIGNS

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	TRAFFIC CONTROL	SHEET 56	E



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

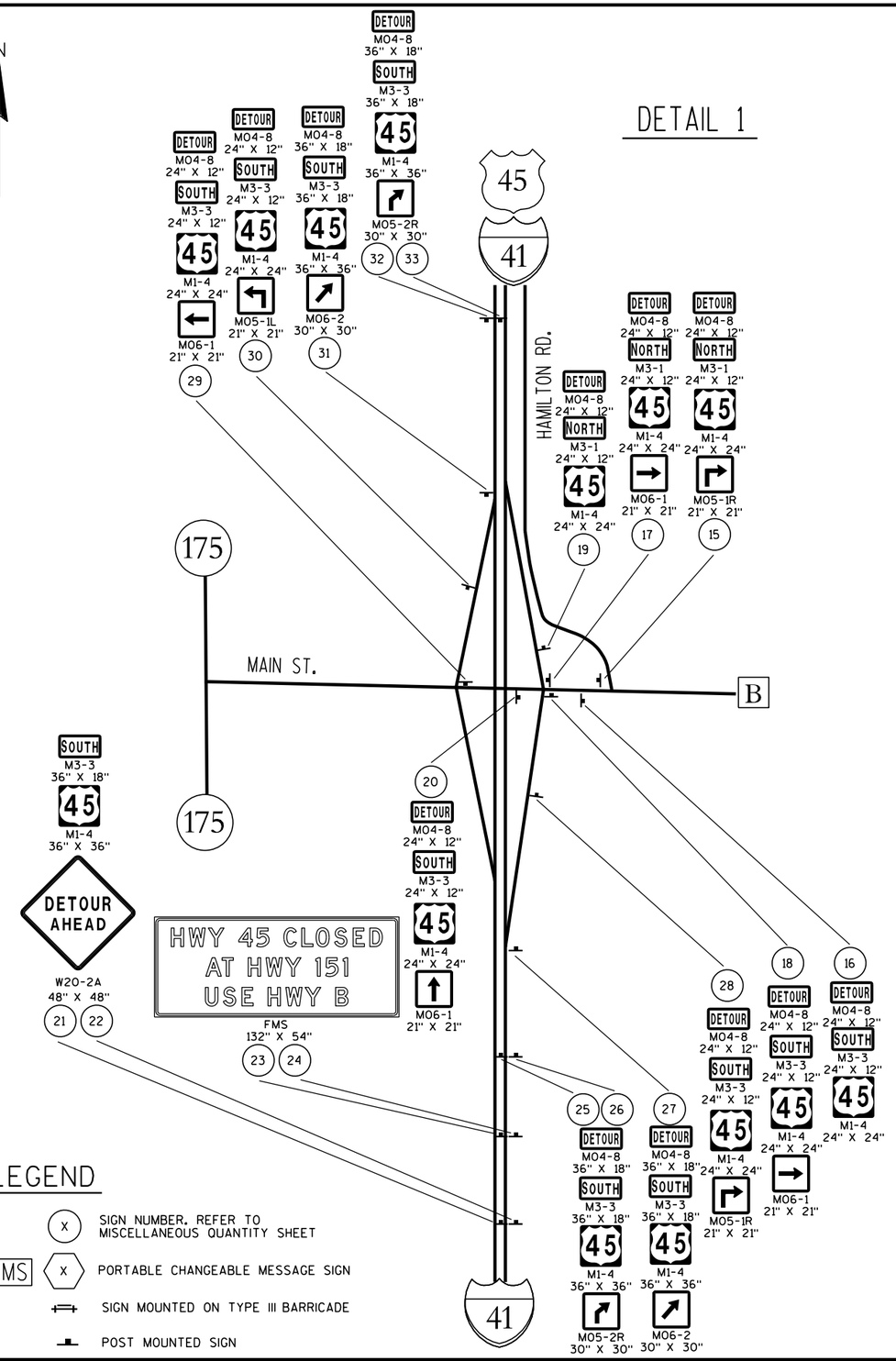
SHEET 1 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL	SHEET 57	E

N

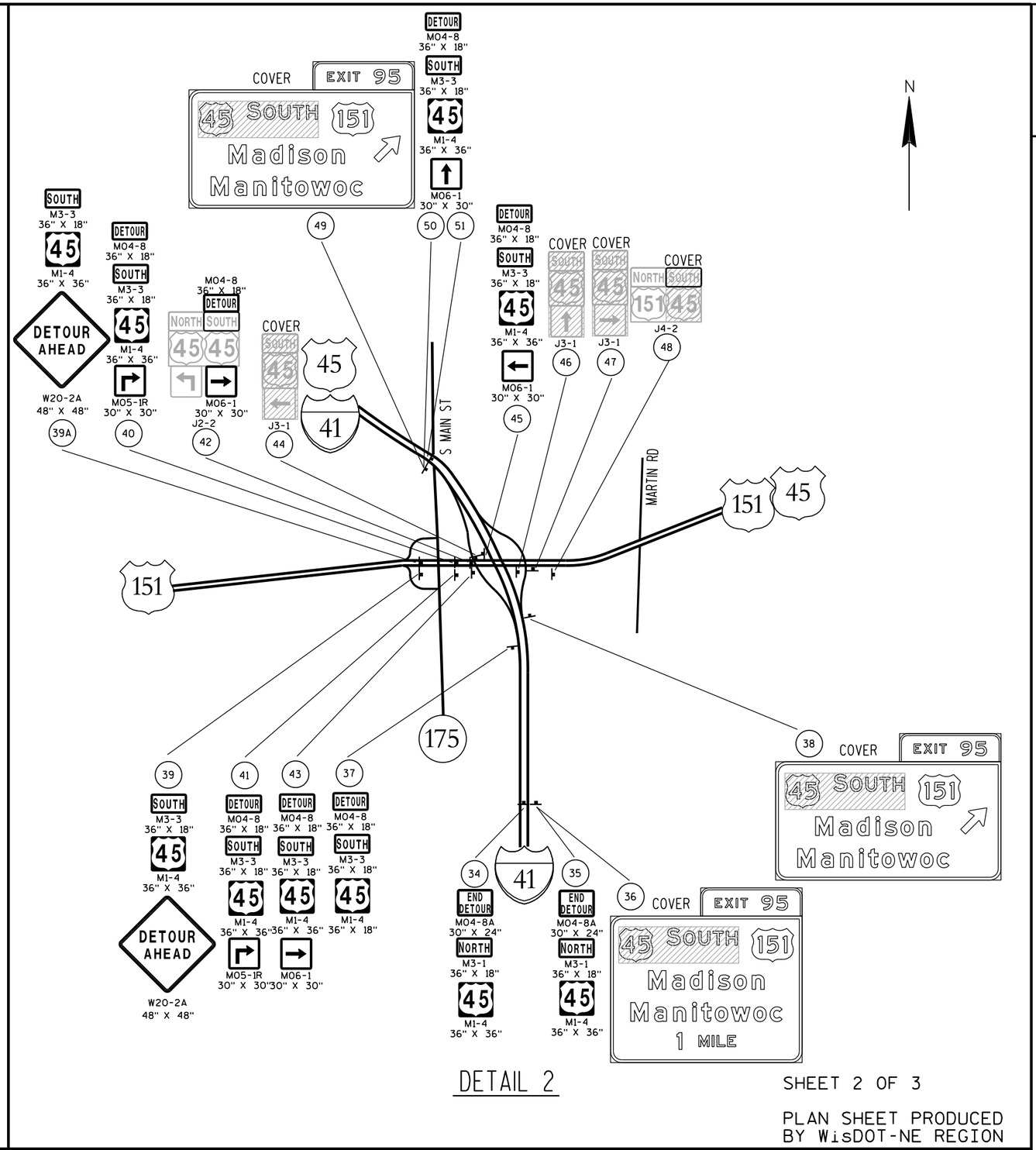
DETAIL 1



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

N



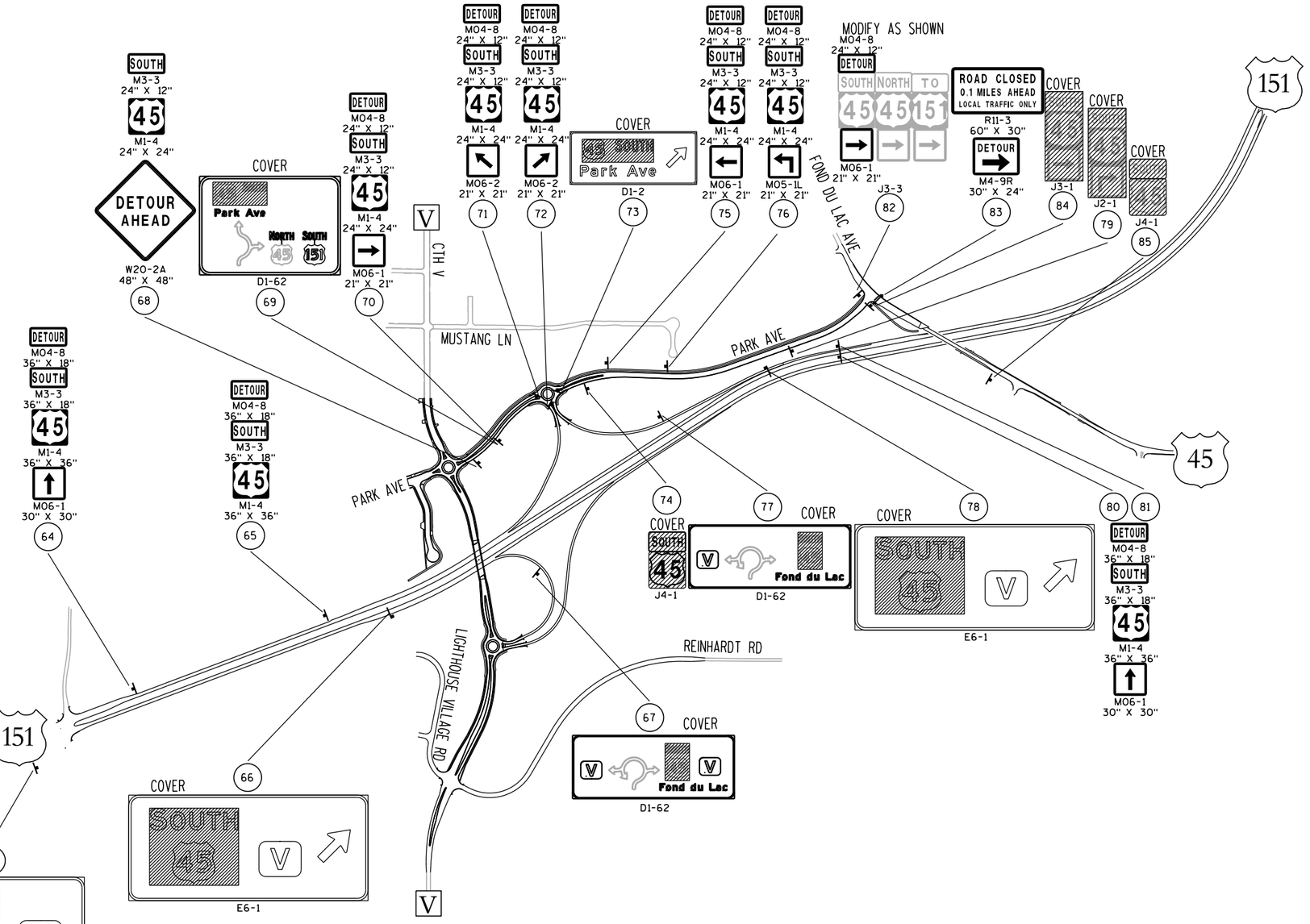
DETAIL 2

SHEET 2 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL	SHEET 58	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Fond du Lac County\USH 45\Fond du Lac - Eden\027002_dt.dgn PLOT DATE : 10-JAN-2017 07:36 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 200:1



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

DETAIL 3

SHEET 3 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	DETOUR SIGNING DETAIL	SHEET 59	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Fond du Lac County\USH 45\Fond du Lac - Eden\027003_dt.dgn PLOT DATE : 10-JAN-2017 07:36 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 300:1

4110-26-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	27.000	27.000
0004	201.0120	Clearing	ID	46.000	46.000
0006	201.0205	Grubbing	STA	27.000	27.000
0008	201.0220	Grubbing	ID	46.000	46.000
0010	203.0100	Removing Small Pipe Culverts	EACH	15.000	15.000
0012	203.0200	Removing Old Structure (station) 01. STA 152+29	LS	1.000	1.000
0014	203.0200	Removing Old Structure (station) 02. STA 158+85	LS	1.000	1.000
0016	203.0200	Removing Old Structure (station) 03. STA 174+25	LS	1.000	1.000
0018	203.0200	Removing Old Structure (station) 04. STA 178+87	LS	1.000	1.000
0020	203.0200	Removing Old Structure (station) 05. STA 220+38	LS	1.000	1.000
0022	203.0200	Removing Old Structure (station) 06. STA 244+22	LS	1.000	1.000
0024	203.0200	Removing Old Structure (station) 07. STA 249+97	LS	1.000	1.000
0026	203.0200	Removing Old Structure (station) 08. STA 262+48	LS	1.000	1.000
0028	203.0200	Removing Old Structure (station) 09. STA 265+68	LS	1.000	1.000
0030	203.0200	Removing Old Structure (station) 10. STA 297+14	LS	1.000	1.000
0032	203.0200	Removing Old Structure (station) 11. STA 308+22	LS	1.000	1.000
0034	203.0200	Removing Old Structure (station) 12. STA 331+10	LS	1.000	1.000
0036	203.0200	Removing Old Structure (station) 13. STA 351+05	LS	1.000	1.000
0038	203.0200	Removing Old Structure (station) 14. STA 198+12	LS	1.000	1.000
0044	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. STA 377+00	LS	1.000	1.000
0046	204.0100	Removing Pavement	SY	5,184.000	5,184.000
0048	204.0110	Removing Asphaltic Surface	SY	230.000	230.000
0050	204.0115	Removing Asphaltic Surface Butt Joints	SY	111.000	111.000
0052	204.0120	Removing Asphaltic Surface Milling	SY	85,730.000	85,730.000
0054	204.0165	Removing Guardrail	LF	1,330.000	1,330.000
0056	204.0170	Removing Fence	LF	445.000	445.000
0058	204.0185	Removing Masonry	CY	8.000	8.000
0060	204.0220	Removing Inlets	EACH	2.000	2.000
0062	204.0245	Removing Storm Sewer (size) 01. 36-Inch	LF	8.000	8.000
0064	205.0100	Excavation Common	CY	41,893.000	41,893.000
0066	205.0200	Excavation Rock	CY	1,794.000	1,794.000
0068	206.2000	Excavation for Structures Culverts (structure) 01. C-20-161	LS	1.000	1.000
0070	208.0100	Borrow	CY	1,130.000	1,130.000
0072	210.2500	Backfill Structure Type B	TON	480.000	480.000
0074	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	192.000	192.000
0076	213.0100	Finishing Roadway (project) 01. 4110-26-71	EACH	1.000	1.000
0080	214.0100	Obliterating Old Road	STA	2.000	2.000
0082	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,945.000	2,945.000

4110-26-71

Line	Item	Item Description	Unit	Total	Qty
0084	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	30,448.000	30,448.000
0086	305.0500	Shaping Shoulders	STA	282.000	282.000
0088	311.0110	Breaker Run	TON	13,016.000	13,016.000
0096	416.1010	Concrete Surface Drains	CY	5.000	5.000
0098	440.4410	Incentive IRI Ride	DOL	54,320.000	54,320.000
0100	455.0605	Tack Coat	GAL	4,739.000	4,739.000
0102	460.2000	Incentive Density HMA Pavement	DOL	6,200.000	6,200.000
0104	460.2005	Incentive Density PWL HMA Pavement	DOL	9,435.000	9,435.000
0106	460.2010	Incentive Air Voids HMA Pavement	DOL	13,230.000	13,230.000
0108	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	8,440.000	8,440.000
0110	460.5223	HMA Pavement 3 LT 58-28 S	TON	9,690.000	9,690.000
0112	460.5224	HMA Pavement 4 LT 58-28 S	TON	13,234.000	13,234.000
0114	465.0105	Asphaltic Surface	TON	18.000	18.000
0116	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	443.000	443.000
0118	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	14,202.000	14,202.000
0120	502.0100	Concrete Masonry Bridges	CY	93.000	93.000
0122	502.3200	Protective Surface Treatment	SY	338.000	338.000
0126	502.4205	Adhesive Anchors No. 5 Bar	EACH	192.000	192.000
0132	504.0100	Concrete Masonry Culverts	CY	147.000	147.000
0134	505.0400	Bar Steel Reinforcement HS Structures	LB	15,730.000	15,730.000
0136	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	24,300.000	24,300.000
0144	513.4061	Railing Tubular Type M (structure) B-20-74	LF	130.000	130.000
0146	516.0500	Rubberized Membrane Waterproofing	SY	22.000	22.000
0148	516.0610.S	Sheet Membrane Waterproofing for Top Slab (structure) 01. C-20-111	SY	106.000	106.000
0154	520.8000	Concrete Collars for Pipe	EACH	4.000	4.000
0156	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	4.000	4.000
0158	521.1257	Apron Endwalls for Pipe Arch Steel 57x38-Inch	EACH	1.000	1.000
0160	521.1515	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 15-Inch 6 to 1	EACH	2.000	2.000
0162	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	4.000	4.000
0164	521.1524	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	EACH	10.000	10.000
0166	521.1618	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	EACH	2.000	2.000
0168	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	104.000	104.000
0170	521.3115	Culvert Pipe Corrugated Steel 15-Inch	LF	26.000	26.000
0172	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	94.000	94.000
0174	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	104.000	104.000
0176	521.3757	Pipe Arch Corrugated Steel 57x38-Inch	LF	100.000	100.000

4110-26-71

Line	Item	Item Description	Unit	Total	Qty
0178	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	146.000	146.000
0180	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	54.000	54.000
0182	522.0148	Culvert Pipe Reinforced Concrete Class III 48-Inch	LF	60.000	60.000
0184	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	14.000	14.000
0186	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	60.000	60.000
0188	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	48.000	48.000
0190	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	54.000	54.000
0192	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	220.000	220.000
0194	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	172.000	172.000
0196	522.0442	Culvert Pipe Reinforced Concrete Class IV 42-Inch	LF	54.000	54.000
0198	522.0454	Culvert Pipe Reinforced Concrete Class IV 54-Inch	LF	76.000	76.000
0200	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	2.000	2.000
0202	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	4.000	4.000
0204	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	5.000	5.000
0206	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	9.000	9.000
0208	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	9.000	9.000
0210	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000
0212	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	4.000	4.000
0214	522.1054	Apron Endwalls for Culvert Pipe Reinforced Concrete 54-Inch	EACH	2.000	2.000
0216	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	2.000	2.000
0218	522.2319	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	160.000	160.000
0220	522.2324	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF	144.000	144.000
0222	522.2338	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	134.000	134.000
0224	522.2353	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 53x83-Inch	LF	62.000	62.000
0226	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	6.000	6.000
0228	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	4.000	4.000
0230	522.2638	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	EACH	3.000	3.000

4110-26-71

Line	Item	Item Description	Unit	Total	Qty
0232	522.2653	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 53x83-Inch	EACH	2.000	2.000
0234	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,665.000	1,665.000
0236	603.8000	Concrete Barrier Temporary Precast Delivered	LF	225.000	225.000
0238	603.8125	Concrete Barrier Temporary Precast Installed	LF	225.000	225.000
0240	606.0100	Riprap Light	CY	420.000	420.000
0242	606.0200	Riprap Medium	CY	35.000	35.000
0244	608.0005	Storm Sewer Rock Excavation	CY	52.000	52.000
0246	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	92.000	92.000
0248	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	154.000	154.000
0250	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	8.000	8.000
0252	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0254	611.0642	Inlet Covers Type MS	EACH	16.000	16.000
0256	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0258	611.3902	Inlets Median 2 Grate	EACH	4.000	4.000
0260	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000
0262	614.0400	Adjusting Steel Plate Beam Guard	LF	346.000	346.000
0264	614.0905	Crash Cushions Temporary	EACH	2.000	2.000
0266	614.0950	Replacing Guardrail Posts and Blocks	EACH	8.000	8.000
0268	614.2300	MGS Guardrail 3	LF	788.000	788.000
0270	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0272	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4110-26-71	EACH	1.000	1.000
0276	619.1000	Mobilization	EACH	0.750	0.750
0278	621.0100	Landmark Reference Monuments	EACH	1.000	1.000
0280	624.0100	Water	MGAL	204.000	204.000
0282	625.0100	Topsoil	SY	12,196.000	12,196.000
0284	625.0500	Salvaged Topsoil	SY	53,315.000	53,315.000
0286	627.0200	Mulching	SY	38,656.000	38,656.000
0288	628.1504	Silt Fence	LF	6,485.000	6,485.000
0290	628.1520	Silt Fence Maintenance	LF	6,485.000	6,485.000
0292	628.1905	Mobilizations Erosion Control	EACH	9.000	9.000
0294	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0296	628.2004	Erosion Mat Class I Type B	SY	17,365.000	17,365.000
0298	628.2008	Erosion Mat Urban Class I Type B	SY	5,380.000	5,380.000
0300	628.2023	Erosion Mat Class II Type B	SY	3,590.000	3,590.000
0302	628.2037	Erosion Mat Class III Type C	SY	540.000	540.000
0304	628.7010	Inlet Protection Type B	EACH	7.000	7.000

4110-26-71

Line	Item	Item Description	Unit	Total	Qty
0308	628.7504	Temporary Ditch Checks	LF	1,335.000	1,335.000
0310	628.7555	Culvert Pipe Checks	EACH	267.000	267.000
0312	628.7570	Rock Bags	EACH	245.000	245.000
0314	629.0210	Fertilizer Type B	CWT	45.000	45.000
0316	630.0110	Seeding Mixture No. 10	LB	237.000	237.000
0318	630.0120	Seeding Mixture No. 20	LB	205.000	205.000
0320	630.0130	Seeding Mixture No. 30	LB	644.000	644.000
0322	630.0140	Seeding Mixture No. 40	LB	219.000	219.000
0324	630.0200	Seeding Temporary	LB	819.000	819.000
0326	633.5200	Markers Culvert End	EACH	44.000	44.000
0328	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	3.000	3.000
0330	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	98.000	98.000
0332	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	46.000	46.000
0334	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	3.000	3.000
0336	637.2210	Signs Type II Reflective H	SF	581.690	581.690
0338	637.2220	Signs Type II Reflective SH	SF	6.750	6.750
0340	637.2230	Signs Type II Reflective F	SF	398.500	398.500
0342	638.2602	Removing Signs Type II	EACH	153.000	153.000
0344	638.3000	Removing Small Sign Supports	EACH	150.000	150.000
0346	642.5001	Field Office Type B	EACH	1.000	1.000
0348	643.0300	Traffic Control Drums	DAY	315.000	315.000
0350	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0352	643.0420	Traffic Control Barricades Type III	DAY	6,988.000	6,988.000
0354	643.0705	Traffic Control Warning Lights Type A	DAY	13,976.000	13,976.000
0360	643.0900	Traffic Control Signs	DAY	42,601.000	42,601.000
0362	643.0910	Traffic Control Covering Signs Type I	EACH	7.000	7.000
0364	643.0920	Traffic Control Covering Signs Type II	EACH	14.000	14.000
0366	643.1000	Traffic Control Signs Fixed Message	SF	123.500	123.500
0368	643.1050	Traffic Control Signs PCMS	DAY	56.000	56.000
0370	643.5000	Traffic Control	EACH	0.750	0.750
0372	645.0105	Geotextile Type C	SY	160.000	160.000
0374	645.0120	Geotextile Type HR	SY	50.000	50.000
0376	645.0130	Geotextile Type R	SY	1,270.000	1,270.000
0378	646.1020	Marking Line Epoxy 4-Inch	LF	100,888.000	100,888.000
0380	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	38,923.000	38,923.000
0382	646.3020	Marking Line Epoxy 8-Inch	LF	889.000	889.000
0384	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	5,071.000	5,071.000
0386	646.6120	Marking Stop Line Epoxy 18-Inch	LF	47.000	47.000
0388	648.0100	Locating No-Passing Zones	MI	5.800	5.800
0390	649.0105	Temporary Marking Line Paint 4-Inch	LF	13,855.000	13,855.000

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Line	Item	Item Description	Unit	Total	Qty
0392	650.4000	Construction Staking Storm Sewer	EACH	12.000	12.000
0394	650.4500	Construction Staking Subgrade	LF	7,602.000	7,602.000
0396	650.5000	Construction Staking Base	LF	7,602.000	7,602.000
0398	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,665.000	1,665.000
0400	650.6000	Construction Staking Pipe Culverts	EACH	25.000	25.000
0402	650.6500	Construction Staking Structure Layout (structure) 01. C-20-111	LS	1.000	1.000
0404	650.8000	Construction Staking Resurfacing Reference	LF	23,246.000	23,246.000
0406	650.9910	Construction Staking Supplemental Control (project) 01. 4110-26-71	LS	1.000	1.000
0410	650.9920	Construction Staking Slope Stakes	LF	10,677.000	10,677.000
0412	690.0150	Sawing Asphalt	LF	4,941.000	4,941.000
0414	690.0250	Sawing Concrete	LF	558.000	558.000
0418	715.0502	Incentive Strength Concrete Structures	DOL	1,308.000	1,308.000
0420	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0422	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,100.000	2,100.000
0424	SPV.0060	Special 01. Manhole Special 6-FT X 12-FT	EACH	1.000	1.000
0426	SPV.0060	Special 02. Inlet 3 Grate Special	EACH	2.000	2.000
0428	SPV.0060	Special 03. HMA Percent within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0430	SPV.0060	Special 04. HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000
0432	SPV.0090	Special 01. Milling and Removing Temporary Joint	LF	14,202.000	14,202.000
0434	SPV.0090	Special 02. 16 Gauge Galvanized Metal Flashing	LF	130.000	130.000

CLEARING AND GRUBBING

STATION		STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
PROJECT 4110-26-71 CATEGORY 0010							
189+00	-	190+00	USH 45	1	---	1	---
193+00	-	194+00	USH 45	1	---	1	---
208+00	-	209+00	USH 45	1	---	1	---
213+00	-	214+00	USH 45	1	---	1	---
265+00	-	266+00	USH 45	1	---	1	---
272+00	-	274+00	USH 45	2	---	2	---
290+00	-	291+00	USH 45	1	---	1	---
302+00	-	304+00	USH 45	2	---	2	---
314+00	-	315+00	USH 45	1	---	1	---
316+00	-	317+00	USH 45	1	---	1	---
328+00	-	330+00	USH 45	2	---	2	---
367+00	-	368+00	USH 45	1	---	1	---
444+66	-	445+18	USH 45	---	46	---	46
			CATEGORY TOTALS	15	46	15	46
PROJECT 4110-26-71 CATEGORY 0020							
12+00	-	21+00	CTH H	9	---	9	---
50+00	-	51+00	OLD CTH H CDS	1	---	1	---
55+00	-	57+00	OLD CTH H CDS	2	---	2	---
			CATEGORY TOTALS	12	0	12	0
			PROJECT TOTALS	27	46	27	46

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION	LOCATION	204.0115 SY	REMARKS
PROJECT 4110-26-71 CATEGORY 0010			
151+91	USH 45	7	
371+00	USH 45	12	CTH K WEST
376+41	USH 45	11	
377+06	USH 45	11	
381+50	USH 45	7	VALLEY CREEK ROAD
386+25	USH 45	10	
398+74	USH 45	7	
452+91	USH 45	9	
80+62	TAKODAH DR	5	
89+11	CTH VV	6	
99+61	SOUTHGATE DR	5	
109+67	CLOVER CT	8	
119+69	WEST MULLEN DR	8	
120+31	EAST MULLEN DR	6	
	PROJECT TOTAL	111	

REMOVING SMALL PIPE CULVERTS

STATION	DIR	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	FOR INFORMATION ONLY
PROJECT 4110-26-71 CATEGORY 0010				
LIME RD	---	USH 45	1	18" CMCP
GARNET RD	---	USH 45	1	24" CMCP
188+15	---	USH 45	1	30" CMCP
211+23	---	USH 45	1	24" CMCP
299+45	---	USH 45	1	24" CMCP
314+63	---	USH 45	1	24" CMCP
322+00	LT	USH 45	1	12" CMCP
323+65	LT	USH 45	1	12" CMCP
324+00	LT	USH 45	1	12" CMCP
326+35	RT	USH 45	1	15" CMCP
364+55	LT	USH 45	1	18" CMCP
368+00	LT	USH 45	1	18" CMCP
368+10	RT	USH 45	1	24" CMCP
370+36	---	USH 45	1	36" CMCP
		CATEGORY TOTAL	14	
PROJECT 4110-26-71 CATEGORY 0020				
23+00	---	CTH H	1	18" CMCP
		CATEGORY TOTAL	1	
		PROJECT TOTAL	15	

REMOVING PAVEMENT

STATION	TO	STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
PROJECT 4110-26-71 CATEGORY 0010				
247+00	-	250+75	USH 45	750
262+30	-	268+00	USH 45	1,140
320+50	-	325+00	USH 45	900
347+00	-	356+00	USH 45	1,800
363+25	-	366+04	USH 45	558
	-		PIPE REPLACEMENT	36
			PROJECT TOTAL	5,184

REMOVING FENCE

STATION	TO	STATION	DIR	LOCATION	204.0170 REMOVING FENCE LF
PROJECT 4110-26-71 CATEGORY 0010					
151+91	-	154+50	LT	USH 45	260
197+20	-	197+77	LT	USH 45	60
207+80	-	208+85	LT	USH 45	110
				CATEGORY TOTAL	170
PROJECT 4110-26-71 CATEGORY 0020					
23+61	-	26+30	LT	CTH H	275
				CATEGORY TOTAL	275
				PROJECT TOTAL	445

REMOVING OLD STRUCTURES

STATION	LOCATION	203.0200 REMOVING OLD STRUCTURE LS	REMARKS
PROJECT 4110-26-71 CATEGORY 0010			
152+29	USH 45	1	.01, 4' X 4' BOX CULVERT
158+85	USH 45	1	.02, 18" X 18" BOX CULVERT
174+25	USH 45	1	.03, 2' X 4' BOX CULVERT
178+87	USH 45	1	.04, 2' X 2' BOX CULVERT
220+38	USH 45	1	.05, 3' X 2' BOX CULVERT
244+22	USH 45	1	.06, 4' X 3' BOX CULVERT
249+97	USH 45	1	.07, 4' X 4' BOX CULVERT
262+48	USH 45	1	.08, 3' X 3' BOX CULVERT
265+68	USH 45	1	.09, 4' X 3' BOX CULVERT
297+14	USH 45	1	.10, 2' X 2' BOX CULVERT
308+22	USH 45	1	.11, 2' X 2' BOX CULVERT
331+10	USH 45	1	.12, 6' X 3' BOX CULVERT
351+05	USH 45	1	.13, 3' X 2' BOX CULVERT
	PROJECT TOTAL	13	

REMOVING ASPHALTIC SURFACE

STATION	TO	STATION	LOCATION	204.0110 SY	204.0120 MILLING SY
PROJECT 4110-26-71 CATEGORY 0010					
151+91	-	176+60	USH 45	---	6,400
176+60	-	203+20	USH 45	---	8,570
203+20	-	229+80	USH 45	---	8,370
229+80	-	256+40	USH 45	---	8,480
256+40	-	283+00	USH 45	---	6,870
283+00	-	309+60	USH 45	---	7,950
309+60	-	336+20	USH 45	---	4,760
336+20	-	362+80	USH 45	---	6,980
362+80	-	386+58	USH 45	---	9,280
398+64	-	452+91	USH 45	230	18,070
			PROJECT TOTAL	230	85,730

REMOVING GUARDRAIL

STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
PROJECT 4110-26-71 CATEGORY 0010					
207+28	-	208+48	USH 45	130	
227+95	-	229+63	USH 45	165	
249+24	-	250+61	USH 45	135	
323+14	-	326+20	USH 45	315	
330+63	-	331+55	USH 45	95	LT
330+58	-	331+56	USH 45	100	RT
			CATEGORY TOTAL	940	
PROJECT 4110-26-71 CATEGORY 0020					
18+84	-	22+32	CTH H	390	
			CATEGORY TOTAL	390	
			PROJECT TOTAL	1330	

Division Category 0010 Division 1	From/To Station	Common Excavation (1) (Item #205.0100) Cut (2)	 EBS Excavation (3) (9)	Salvaged/Unusable Pavement Material (Exist Concrete)(4)	Salvaged/Unusable Pavement Material (Milled Asphalt) (8)	Available Material (5)	Rock Excavation (7) (item #205.0200)	Expanded EBS Backfill (11) Factor 1.35	Expanded Rock (12) Factor 1.10	Unexpanded Fill	Expanded Fill (13) Factor 1.35	Mass Ordinate +/- (14)	Waste	Borrow (item #208.0100)
USH 45	152+00/198+12	4,084	0	0	545	3,539	0	0	0	1,292	1,744	1,795	1,795	0
DWY 192+02 RT	5+50/07+30	563	0	0	0	563	0	0	0	7	10	553	553	0
Division 1 Total		4,647	0	0	545	4,102	0	0	0	1,299	1,754	2,349	2,349	0
Division 2														
USH 45	19812/376+41.03	24,991	466	1,205	1,945	21,842	0	629	0	4,907	6,625	14,588	14,588	0
Division 2 Total		24,991	466	1,205	1,945	21,842	0	629	0	4,907	6,625	14,588	14,588	0
Division 3														
USH 45	37706.69/386+00	333	0	0	190	142	0	0	0	35	47	96	96	0
Division 3 Total		333	0	0	190	142	0	0	0	35	47	96	96	0
Division 4														
USH 45	391+50/393+25	365	0	0	0	365	0	0	0	0	0	365	365	0
USH 45	398+74/449+00	46	0	0	0	46	0	0	0	871	1,176	-1,130	0	-1,130
Divison 4 Total		411	0	0	0	46	0	0	0	871	1,176	-1,130	0	-1,130
Category 0010 Total		30,382 28,168	466	1,205	2,680	26,133	0	629	0	7,112	9,601	15,903	17,033	-1,130
Category 0020 Division 5														
CTH H	10+50/28+00	12,264	0	0	0	12,264	1,011	0	1,112	4,833	5,023	7,240	7,240	0
OLD H INT.xml	50+50/52+00	770	0	0	0	770	0	0	0	0	0	769	769	0
OLD H CDS	55+37.72/56+70	692	0	0	0	692	783	0	861	227	-857	1,549	1,549	0
Category 0020 Total		13,725 13,725	0	0	0	13,725	1,794	0	1,974	5,060	4,166	9,559	9,559	0
Grand Total		44,107.85	465.84	1,204.89	2,679.89	39,858.26	1,794.29	628.89	1,973.72	12,171.97	13,767.63	25,461.74	26,591.59	-1,129.85
	Total Common Exc	41,893.80												

1) Common Excavation is the sum of the Cut and EBS Excavation columns minus Milled Asphalt. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation is for removal of Existing concrete below subgrade. All EBS Excavation is to be backfilled with Common Excavation.
4) Salvaged/Unusable Pavement Material Existing Concrete
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
7) Rock Excavation item number 205.0200
8) Salvaged/Unusable Pavement Material - Milled Asphalt.
9) All EBS Excavation is Unusable Pavement Material
11) Expanded EBS Backfill - This is to be filled with Common Excavation material. EBS Backfill Factor = 1.35.
12) Expanded Rock - Factor = 1.1
13) Expanded Fill. Factor = 1.35
Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
14) 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.

REMOVING MASONRY

STATION	LOCATION	DIR	204.0185 REMOVING MASONRY CY	REMARKS
PROJECT 4110-26-71 CATEGORY 0010				
177+89	USH 45	RT	1	BLOCK RETAINING WALL AROUND PIPES
178+16	USH 45	RT	1	BLOCK RETAINING WALL AROUND PIPES
444+94	USH 45	RT	6	CONCRETE HEADWALL ON EXISTING 48-IN RRCP
PROJECT TOTAL			8	

REMOVING INLETS

STATION	DIR	LOCATION	204.0220 REMOVING INLETS EACH
PROJECT 4110-26-71 CATEGORY 0010			
174+25	RT	USH 45	1
178+87	RT	USH 45	1
PROJECT TOTALS			2

OBLITERATING OLD ROAD

STATION	LOCATION	214.0100 STA	REMARKS
PROJECT 4110-26-71 CATEGORY 0020			
299+50	USH 45	2	OLD CTH H RAMP
PROJECT TOTAL		2	

REMOVING STORM SEWER

STA	DIR	LOCATION	204.0245.01 36-INCH LF
PROJECT 4110-26-71 CATEGORY 0010			
444+95	RT	USH 45	8
PROJECT TOTALS			8

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

STATION	TO	STATION	DIR	LOCATION	211.0400 STA
PROJECT 4110-26-71 CATEGORY 0010					
151+91	-	171+90	LT & RT	USH 45	40
330+85	-	338+00	LT	USH 45	8
338+00	-	347+00	LT & RT	USH 45	18
356+00	-	363+25	LT & RT	USH 45	16
398+74	-	452+91	LT & RT	USH 45	110
PROJECT TOTAL					192

CONCRETE SURFACE DRAINS

STATION	DIR	LOCATION	416.1010 CY
PROJECT 4110-26-71 CATEGORY 0010			
304+00	RT	USH 45	1
CATEGORY TOTAL			1
PROJECT 4110-26-71 CATEGORY 0020			
12+20	LT	CTH H	1
13+75	LT	CTH H	1
314+80	RT	USH 45	1
316+35	RT	USH 45	1
CATEGORY TOTAL			4
PROJECT TOTAL			5

BASE AGGREGATE DENSE

STATION	TO	STATION	LOCATION	305.0110 3/4-INCH TONS	305.0120 1 1/4-INCH TONS	311.0110 BREAKER RUN TONS	624.0100 WATER MGAL
PROJECT 4110-26-71 CATEGORY 0010							
150+82	-	176+60	USH 45	170	1,810	---	12
176+60	-	203+20	USH 45	180	310	---	3
203+20	-	229+80	USH 45	190	820	---	6
229+80	-	256+40	USH 45	200	1,610	---	11
256+40	-	283+00	USH 45	200	1,920	---	13
283+00	-	309+60	USH 45	150	2,860	---	18
309+60	-	336+20	USH 45	20	6,650	---	40
336+20	-	362+80	USH 45	210	3,970	3,230	25
362+80	-	386+58	USH 45	400	2,800	2,400	19
391+50	-	393+25	USH 45 LT - Trail Repair	31	143	486	1
398+74	-	401+24	GLYNN AVE - TAKODAH DR	15	---	---	0.1
401+24	-	423+21	TAKODAH DR - CTH VV	140	---	---	0.4
423+21	-	429+51	CTH VV - SOUTHGATE DR	40	---	---	0.1
429+51	-	440+57	SOUTHGATE DR - CLOVER CT	70	---	---	0.2
440+57	-	446+49	CLOVER CT - MULLEN DR	35	---	---	0.1
446+49	-	452+91	MULLEN DR - EOP	40	---	---	0.1
USH 45 DRIVEWAYS			USH 45	470	353	---	5
UNDISTRIBUTED				200	---	---	5
			CATEGORY TOTALS	2,761	23,246	6,116	159
PROJECT 4110-26-71 CATEGORY 0020							
10+24	-	28+00	CTH H	90	6,100	6,790	37
50+12	-	52+00	OLD CTH H	32	500	---	3
55+37	-	56+05	OLD CTH CDS	16	572	---	4
CTH H DRIVEWAYS			CTH H	47	30	---	1
			CATEGORY TOTALS	184	7,202	6,790	45
			PROJECT TOTALS	2,945	30,448	12,906	204

SHAPING SHOULDERS

STATION	TO	STATION	DIR	LOCATION	305.0500 STA
PROJECT 4110-26-71 CATEGORY 0010					
176+50	-	220+00	LT & RT	USH 45	88
221+50	-	226+30	LT & RT	USH 45	10
226+30	-	231+69	RT	USH 45	6
231+69	-	247+00	LT & RT	USH 45	32
250+75	-	262+38	LT & RT	USH 45	24
268+00	-	294+50	LT & RT	USH 45	54
297+25	-	300+00	LT & RT	USH 45	6
300+00	-	304+00	LT	USH 45	4
304+00	-	310+42	LT & RT	USH 45	14
310+42	-	311+45	LT	USH 45	2
317+32	-	319+00	RT	USH 45	2
328+00	-	330+85	LT & RT	USH 45	6
331+35	-	334+80	LT	USH 45	3
358+00	-	360+00	RT	USH 45	3
360+00	-	363+25	LT & RT	USH 45	8
377+06	-	386+58	LT & RT	USH 45	20
PROJECT TOTAL					282

DRIVEWAYS

STATION	DIR	LOCATION	**** BASE AGGREGATE DENSE 3/4-INCH TONS	**** BASE AGGREGATE DENSE 1 1/4-INCH TONS	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TONS	REMARKS
CATEGORY 0010						
153+20	RT	USH 45	9	0	0	GRAVEL
158+00	RT	USH 45	0	0	4	ASPH
160+90	LT	USH 45	5	0	0	GRAVEL
162+00	RT	USH 45	0	0	6	ASPH
165+00	LT	USH 45	0	0	13	ASPH
166+00	LT	USH 45	0	0	13	ASPH
178+00	RT	USH 45	0	0	13	ASPH
180+50	LT	USH 45	9	0	0	GRAVEL
188+50	LT	USH 45	12	0	0	GRAVEL
192+00	RT	USH 45	138	0	0	GRAVEL
204+50	LT	USH 45	16	0	0	GRAVEL
213+40	RT	USH 45	5	0	0	GRAVEL
219+15	LT	USH 45	28	0	0	GRAVEL
226+50	LT	USH 45	0	0	26	ASPH
234+50	LT	USH 45	20	0	0	GRAVEL
239+50	RT	USH 45	9	0	0	GRAVEL
240+00	LT	USH 45	12	0	0	GRAVEL
240+90	LT	USH 45	5	0	0	GRAVEL
243+00	RT	USH 45	0	0	6	ASPH
245+75	LT	USH 45	16	0	0	GRAVEL
249+50	LT	USH 45	0	0	29	ASPH
258+00	RT	USH 45	0	0	28	ASPH
284+50	LT	USH 45	0	0	8	ASPH
302+21	LT	USH 45	0	37	18	ASPH
304+50	LT	USH 45	0	0	4	ASPH
305+65	LT	USH 45	0	0	7	ASPH
307+00	LT	USH 45	0	0	6	ASPH
308+50	LT	USH 45	0	0	5	ASPH
310+40	LT	USH 45	0	0	8	ASPH
312+07	LT	USH 45	0	48	24	ASPH
313+31	LT	USH 45	0	46	23	ASPH
315+30	LT	USH 45	0	55	27	ASPH
317+03	LT	USH 45	0	22	11	ASPH
		COLUMN TOTALS	284	209	280	

DRIVEWAYS CONTINUED

STATION	DIR	STATION	LOCATION	**** BASE AGGREGATE DENSE 3/4-INCH TONS	**** BASE AGGREGATE DENSE 1 1/4-INCH TONS	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TONS	REMARKS
CATEGORY 0010							
319+33	LT		USH 45	0	25	12	ASPH
319+35	RT		USH 45	10	0	0	GRAVEL
320+32	LT		USH 45	0	31	15	ASPH
322+00	LT		USH 45	0	22	11	ASPH
323+67	LT		USH 45	0	16	8	ASPH
324+00	LT		USH 45	0	14	7	ASPH
326+17	LT		USH 45	0	27	13	ASPH
326+30	RT		USH 45	10	0	0	GRAVEL
328+65	LT		USH 45	0	0	3	ASPH
330+00	LT		USH 45	0	0	2	ASPH
332+00	LT		USH 45	0	0	9	ASPH
334+30	RT		USH 45	0	10	5	ASPH
346+00	RT		USH 45	10	0	0	GRAVEL
348+50	RT		USH 45	14	0	0	GRAVEL
350+75	LT		USH 45	0	0	10	ASPH
358+25	LT		USH 45	0	0	3	ASPH
364+55	LT		USH 45	17	0	0	GRAVEL
368+00	LT		USH 45	13	0	0	GRAVEL
368+10	RT		USH 45	14	0	0	GRAVEL
371+70	RT		USH 45	9	0	0	GRAVEL
374+90	RT		USH 45	33	0	0	GRAVEL
378+70	RT		USH 45	18	0	0	GRAVEL
378+85	LT		USH 45	27	0	0	GRAVEL
398+74	-	452+91	USH 45	0	0	40	GRAVEL
			CATEGORY TOTAL	460	353	418	
CATEGORY 0020		CATEGORY 0020					
23+00	RT	23+00	CTH H	20	0	0	GRAVEL
26+40	RT	26+40	CTH H	0	30	20	ASPH
26+88	LT	26+88	CTH H	19	0	0	GRAVEL FE
27+62	RT	27+62	CTH H	8	0	5	ASPH
			CATEGORY TOTAL	47	30	25	
			PROJECT TOTALS	507	384	443	

NOTE: ASSUME NOTE: ASSUME 3" EXISTING ASPHALT DEPTH AND 6" EXISTING GRAVEL DEPTH
**** FOR INFORMATIONAL PURPOSES ONLY. QUANTITIY INCLUDED IN BASE AGGREGATE DENSE TABLE

ASPHALTIC ITEMS

STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON
PROJECT 4110-26-71 CATEGORY 0010							
150+82	-	176+60	USH 45	222	360	1,010	0
176+60	-	203+20	USH 45	222	50	1,020	0
203+20	-	229+80	USH 45	224	120	1,030	0
229+80	-	256+40	USH 45	223	260	1,030	0
256+40	-	283+00	USH 45	224	320	1,030	0
283+00	-	309+60	USH 45	230	470	1,060	0
309+60	-	336+20	USH 45	282	1,130	1,300	0
336+20	-	362+80	USH 45	265	740	1,210	0
362+80	-	386+58	USH 45	258	1,740	1,190	0
391+50	-	393+25	USH 45-TRAIL	---	---	---	18
398+74	-	401+24	USH 45	115	165	110	0
401+24	-	423+21	USH 45	920	1,370	870	0
423+21	-	429+51	USH 45	250	395	235	0
429+51	-	440+57	USH 45	460	655	435	0
440+57	-	446+49	USH 45	245	350	230	0
446+49	-	452+91	USH 45	255	360	240	0
80+15	-	80+62	TAKOTA DRIVE	20	26	18	0
89+11	-	89+85	CTH VV	40	53	35	0
99+61	-	99+85	SOUTHGATE DRIVE	11	15	10	0
109+67	-	109+85	CLOVER COURT	9	12	8	0
119+69	-	119+85	WEST MULLEN DRIVE	8	11	7	0
120+15	-	120+31	EAST MULLEN DRIVE	6	8	6	0
MISC. WEDGING AREAS			USH 45	40	---	300	0
			CATEGORY TOTALS	4,529	8,610	12,384	18
PROJECT 4110-26-71 CATEGORY 0020							
10+24	-	28+00	CTH H	180	920	720	0
50+12	-	52+00	OLD CTH H	15	80	60	0
55+07	-	56+05	OLD CTH H CDS	15	80	70	0
			CATEGORY TOTALS	210	1,080	850	0
			PROJECT TOTALS	4,739	9,690	13,234	18

ASPHALT CENTER LINE

STATION	TO	STATION	LOCATION	460.4110.S REHEATING HMA PAVEMENT LONGINTUDNIAL JOINTS LF	465.0475 ASPHALT CENTER LINE RUMBLE STRIP 2-LANE RURAL LF	SPV.0090.01 MILLING AND REMOVING TEMPORARY JOINT LF
PROJECT 4110-26-71 CATEGORY 0010						
169+50	-	173+50	USH 45	400	---	---
173+50	-	174+50	USH 45	---	100	100
174+50	-	178+50	USH 45	400	---	---
178+50	-	225+50	USH 45	---	4,700	4,700
225+50	-	230+35	USH 45	485	---	---
230+35	-	247+60	USH 45	---	1,725	1,725
247+60	-	251+60	USH 45	400	---	---
251+60	-	255+60	USH 45	---	400	400
255+60	-	259+60	USH 45	400	---	---
259+60	-	267+00	USH 45	---	740	740
267+00	-	271+00	USH 45	400	---	---
271+00	-	285+50	USH 45	---	1,450	1,450
285+50	-	289+75	USH 45	425	---	---
289+75	-	313+62	USH 45	---	2,387	2,387
313+62	-	317+62	USH 45	400	---	---
317+62	-	319+27	USH 45	---	165	165
319+27	-	322+90	USH 45	363	---	---
322+90	-	331+00	USH 45	---	810	810
331+00	-	336+75	USH 45	575	---	---
336+75	-	338+67	USH 45	---	192	192
338+67	-	342+67	USH 45	400	---	---
342+67	-	348+75	USH 45	---	608	608
348+75	-	355+75	USH 45	700	---	---
355+75	-	359+63	USH 45	---	388	388
359+63	-	363+63	USH 45	400	---	---
363+63	-	369+00	USH 45	---	537	537
369+00	-	373+00	USH 45	400	---	---
376+15	-	377+31	USH 45	116	---	---
379+50	-	383+50	USH 45	400	---	---
CATEGORY TOTALS				6,664	14,202	14,202
PROJECT 4110-26-71 CATEGORY 0020						
10+24	-	28+00	CTH H	1,776	---	---
CATEGORY TOTALS				1,776	0	0
PROJECT TOTAL				8,440	14,202	14,202

3

ASPHALT INCENTIVE DENSITY (FOR INFORMATION ONLY)

Station	to	Station	Alignment	Location	Mixture Use:	HMA Type	Eligible Tons	Quality Management Program	
								PWL Incentive Air Voids HMA Pavement	Density Acceptance or Incentive
150+82	-	452+91	USH 45	12 Foot Driving Lanes	Upper Layer	4 LT 58-28S	8894	Yes	Incentive Density PWL HMA Pavement
150+82	-	452+91	USH 45	Shoulder	Upper Layer	4 LT 58-28S	2906	Yes	Acceptance testing by the department; Not eligible for incentive
150+82	-	452+91	USH 45	12 foot Driving Lanes and Shoulder	Lower Layer	3 LT 58-28S	8485	No	Incentive Density HMA Pavement
391+50	-	393+25	USH 45-TRAIL	Trail	Upper Layer	Asphaltic Surface	18	No	Acceptance by oridnary compaction
80+15	-	80+62	TAKOTA DRIVE	Side Road	Upper Layer	4 LT 58-28S	18	Yes	Acceptance testing by the department; Not eligible for incentive
80+15	-	80+62	TAKOTA DRIVE	Side Road	Lower Layer	3 LT 58-28S	26	No	Incentive Density HMA Pavement
89+11	-	89+85	CTH VV	Side Road	Upper Layer	4 LT 58-28S	35	Yes	Acceptance testing by the department; Not eligible for incentive
89+11	-	89+85	CTH VV	Side Road	Lower Layer	3 LT 58-28S	53	No	Incentive Density HMA Pavement
99+61	-	99+85	SOUTHGATE DRIVE	Side Road	Upper Layer	4 LT 58-28S	10	Yes	Acceptance testing by the department; Not eligible for incentive
99+61	-	99+85	SOUTHGATE DRIVE	Side Road	Lower Layer	3 LT 58-28S	15	No	Incentive Density HMA Pavement
109+67	-	109+85	CLOVER COURT	Side Road	Upper Layer	4 LT 58-28S	8	Yes	Acceptance testing by the department; Not eligible for incentive
109+67	-	109+85	CLOVER COURT	Side Road	Lower Layer	3 LT 58-28S	12	No	Incentive Density HMA Pavement
119+69	-	119+85	WEST MULLEN DRIVE	Side Road	Upper Layer	4 LT 58-28S	7	Yes	Acceptance testing by the department; Not eligible for incentive
119+69	-	119+85	WEST MULLEN DRIVE	Side Road	Lower Layer	3 LT 58-28S	11	No	Incentive Density HMA Pavement
120+15	-	120+31	EAST MULLEN DRIVE	Side Road	Upper Layer	4 LT 58-28S	6	Yes	Acceptance testing by the department; Not eligible for incentive
120+15	-	120+31	EAST MULLEN DRIVE	Side Road	Lower Layer	3 LT 58-28S	8	No	Incentive Density HMA Pavement
MISC. WEDGING AREAS			USH 45	Wedging		4 LT 58-28S	300	Yes	Acceptance testing by the department; Not eligible for incentive
PROJECT 4110-26-71 CATEGORY 0020									
10+24	-	28+00	CTH H	12 Foot Driving Lanes	Upper Layer	4 LT 58-28S	545	Yes	Incentive Density PWL HMA Pavement
10+24	-	28+00	CTH H	Shoulder	Upper Layer	4 LT 58-28S	175	Yes	Acceptance testing by the department; Not eligible for incentive
10+24	-	28+00	CTH H	12 foot Driving Lanes and Shoulder	Lower Layer	3 LT 58-28S	920	No	Incentive Density HMA Pavement
50+12	-	52+00	OLD CTH H	Side Road	Upper Layer	4 LT 58-28S	60	Yes	Acceptance testing by the department; Not eligible for incentive
50+12	-	52+00	OLD CTH H	Side Road	Lower Layer	3 LT 58-28S	80	No	Incentive Density HMA Pavement
55+07	-	56+05	OLD CTH H CDS	Side Road	Upper Layer	4 LT 58-28S	70	Yes	Acceptance testing by the department; Not eligible for incentive
55+07	-	56+05	OLD CTH H CDS	Side Road	Lower Layer	3 LT 58-28S	80	No	Incentive Density HMA Pavement

3

CONCRETE COLLARS FOR PIPE

STATION	DIR	LOCATION	520.8000 EACH
PROJECT 4110-26-71 CATEGORY 0010			
228+88	LT & RT	USH 45	2
444+94	RT	USH 45	1
CATEGORY TOTALS			3
PROJECT 4110-26-71 CATEGORY 0020			
55+25	RT	OLD CTH H CDS	1
CATEGORY TOTALS			1
PROJECT TOTALS			4

CULVERT PIPE CORRUGATED STEEL AND ENDWALLS

			CULVERT PIPE CORRUGATED STEEL				521.3757	521.1012	521.1257	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL XX-INCH 6 TO 1			521.1618	
STATION	DIR	LOCATION	521.3112 12-INCH LF	521.3115 15-INCH LF	521.3118 18-INCH LF	521.3124 24-INCH LF	CPCSHE 57X38-IN LF	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	APRON ENDWALLS FOR PIPE ARCH STEEL 57X38-INCH EACH	521.1515 15-INCH EACH	521.1518 18-INCH EACH	521.1524 24-INCH EACH	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1 EACH	STEEL PIPE THICKNESS INCHES
PROJECT 4110-26-71 CATEGORY 0010														
171+55	LT	USH 45	---	---	---	46	---	---	---	---	---	2	---	0.064
176+00	RT	USH 45	---	---	---	34	---	---	---	---	---	2	---	0.064
177+89	RT	USH 45	---	---	---	---	---	---	---	---	---	2	---	0.064
178+16	RT	USH 45	---	---	---	---	---	---	---	---	---	2	---	0.064
322+00	LT	USH 45	44	---	---	---	---	2	---	---	---	---	---	0.064
323+65	LT	USH 45	60	---	---	---	---	2	---	---	---	---	---	0.064
326+35	RT	USH 45	---	26	---	---	---	---	---	2	---	---	---	0.064
364+55	LT	USH 45	---	---	40	---	---	---	---	---	2	---	---	0.064
368+00	LT	USH 45	---	---	22	---	---	---	---	---	2	---	---	0.064
368+10	RT	USH 45	---	---	---	24	---	---	---	---	---	2	---	0.064
444+75	LT	USH 45	---	---	---	---	---	---	1	---	---	---	---	0.064
6+05	RT	DWY 192+60	---	---	---	---	50	---	---	---	---	---	---	0.109
6+05	RT	DWY 192+60	---	---	---	---	50	---	---	---	---	---	---	0.109
CATEGORY TOTALS			104	26	62	104	100	4	1	2	4	10	0	
PROJECT 4110-26-71 CATEGORY 0020														
23+00	RT	CTH H	---	---	32	---		---	---	---	---	---	2	0.064
CATEGORY TOTALS			0	0	32	0	0	0	0	0	0	0	2	
PROJECT TOTALS			104	26	94	104	100	4	1	2	4	10	2	

CONCRETE CULVERT PIPES

STATION	LOCATION	522.0130 CPRC CLASS III 30-INCH LF	522.0136 CPRC CLASS III 36-INCH LF	522.0148 CPRC CLASS III 48-INCH LF	522.0172 CPRC CLASS III 72-INCH LF	522.0415 CPRC CLASS IV 15-INCH LF	522.0418 CPRC CLASS IV 18-INCH LF	522.0424 CPRC CLASS IV 24-INCH LF	522.0430 CPRC CLASS IV 30-INCH LF	522.0436 CPRC CLASS IV 36-INCH LF	522.0442 CPRC CLASS IV 42-INCH LF	522.0454 CPRC CLASS IV 54-INCH LF	608.0005 **** STORM SEWER ROCK EXCAVATION CY
PROJECT 4110-26-71 CATEGORY 0010													
152+30	USH 45	---	---	---	---	---	---	---	---	---	---	76	---
158+85	USH 45	---	---	---	---	---	---	---	58	---	---	---	---
174+28	USH 45	---	---	---	---	---	---	---	54	---	---	---	---
174+28	USH 45	---	---	---	---	---	---	---	54	---	---	---	---
178+87	USH 45	---	54	---	---	---	---	---	---	---	---	---	---
188+15	USH 45	---	---	---	---	---	---	---	54	---	---	---	---
220+40	USH 45	74	---	---	---	---	---	---	---	---	---	---	---
228+88	USH 45	---	---	---	14	---	---	---	---	---	---	---	---
249+97	USH 45	---	---	58	---	---	---	---	---	---	---	---	---
262+49	USH 45	---	---	---	---	---	---	---	---	---	54	---	---
297+13	USH 45	72	---	---	---	---	---	---	---	---	---	---	---
299+47	USH 45	---	---	---	---	---	---	54	---	---	---	---	---
314+63	USH 45	---	---	---	---	---	---	---	---	70	---	---	---
370+36	USH 45	---	---	---	---	---	---	---	---	102	---	---	---
444+94	USH 45	---	---	2	---	---	---	---	---	---	---	---	---
	CATEGORY TOTALS	146	54	60	14	0	0	54	220	172	54	76	0
PROJECT 4110-26-71 CATEGORY 0020													
11+36	CTH H	---	---	---	---	---	48	---	---	---	---	---	---
20+86	CTH H	---	---	---	---	60	---	---	---	---	---	---	12
	CATEGORY TOTALS	0	0	0	0	60	48	0	0	0	0	0	12
	PROJECT TOTALS	146	54	60	14	60	48	54	220	172	54	76	12

**** ADDITIONAL QUANTITIES ELSEWHERE

HORIZONTAL ELLIPTICAL CONCRETE CULVERT PIPES AND ENDWALLS

STATION	LOCATION	522.2319 CPRCHE CLASS HE-III 19X30-INCH LF	522.2324 CPRCHE CLASS HE-III 24X38-INCH LF	522.2338 CPRCHE CLASS HE-III 38x60-INCH LF	522.2353 CPRCHE CLASS HE-III 53x83-INCH LF	522.2619 APRON ENDWALLS CPRCHE 19X30-INCH EACH	522.2624 APRON ENDWALLS CPRCHE 24X38-INCH EACH	522.2638 APRON ENDWALLS CPRCHE 38x60-INCH EACH	522.2653 APRON ENDWALLS CPRCHE 53x83-INCH EACH	633.5200 *** MARKERS CULVERT END EACH	INLET ELEVATION	OUTLET ELEVATION	REMARKS
PROJECT 4110-26-71 CATEGORY 0010													
211+23	USH 45	---	64	---	---	---	2	---	---	2	985.00	980.00	12 JOINT TIES, SKEW 28 DEG RHF
244+21	USH 45	---	---	76	---	---	---	1	---	2	965.86	965.66	6 JOINT TIES
265+67	USH 45	---	---	58	---	---	---	2	---	2	961.36	961.10	12 JOINT TIES, SKEW 10 DEG RHF
308+22	USH 45	40	---	---	---	2	---	---	---	2	961.30	961.10	12 JOINT TIES
331+02	USH 45	---	---	---	62	---	---	---	2	2	879.85	877.53	12 JOINT TIES, SKEW 25 DEG LHF
351+05	USH 45	---	80	---	---	---	2	---	---	2	851.00	850.75	12 JOINT TIES, SKEW 4 DEG RHF
	CATEGORY TOTALS	40	144	134	62	2	4	3	2	12			
PROJECT 4110-26-71 CATEGORY 0020													
13+33	CTH H	60	---	---	---	2	---	---	---	2	964.83	961.69	
13+37	CTH H	60	---	---	---	2	---	---	---	2	964.83	961.69	
	CATEGORY TOTALS	120	0	0	0	4	0	0	0	4			
	PROJECT TOTALS	160	144	134	62	6	4	3	2	16			

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

CONCRETE CULVERT ENDWALLS

STATION	LOCATION	522.1015 APRON ENDWALLS CPRC 15-INCH EACH	522.1018 APRON ENDWALLS CPRC 18-INCH EACH	522.1024 **** APRON ENDWALLS CPRC 24-INCH EACH	522.1030 APRON ENDWALLS CPRC 30-INCH EACH	522.1036 APRON ENDWALLS CPRC 36-INCH EACH	522.1042 APRON ENDWALLS CPRC 42-INCH EACH	522.1048 APRON ENDWALLS CPRC 48-INCH EACH	522.1054 APRON ENDWALLS CPRC 54-INCH EACH	522.1072 APRON ENDWALLS CPRC 72-INCH EACH	633.5200 *** MARKERS CULVERT END EACH	INLET ELEVATION	OUTLET ELEVATION	REMARKS
PROJECT 4110-26-71 CATEGORY 0010														
152+30	USH 45	---	---	---	---	---	---	2	2	---	2	983.27	983.00	12 JOINT TIES, SKEW 3 DEG LHF
158+85	USH 45	---	---	---	2	---	---	---	---	---	2	1003.69	999.45	12 JOINT TIES, SKEW 2 DEG LHF
174+28	USH 45	---	---	---	1	---	---	---	---	---	1	999.95	999.00	6 JOINT TIES
174+28	USH 45	---	---	---	1	---	---	---	---	---	1	999.95	999.00	6 JOINT TIES
178+87	USH 45	---	---	---	---	1	---	---	---	---	1	992.00	990.88	6 JOINT TIES
188+15	USH 45	---	---	---	2	---	---	---	---	---	2	974.50	973.00	12 JOINT TIES, SKEW 6 DEG RHF
220+40	USH 45	---	---	---	2	---	---	---	---	---	2	1001.40	995.50	12 JOINT TIES, SKEW 2 DEG RHF
228+88	USH 45	---	---	---	---	---	---		---	2	2	992.25	986.12	8 JOINT TIES
249+97	USH 45	---	---	---	---	---	---	2	---	---	2	963.45	963.20	12 JOINT TIES
262+49	USH 45	---	---	---	---	---	2	---	---	---	2	959.78	959.45	12 JOINT TIES
297+13	USH 45	---	---	---	1	---	---	---	---	---	1	968.00	964.90	6 JOINT TIES
299+47	USH 45	---	---	2	---	---	---	---	---	---	2	975.15	972.73	12 JOINT TIES, SKEW 3 DEG RHF
314+63	USH 45	---	---	---	---	2	---	---	---	---	2	948.40	947.50	12 JOINT TIES
370+36	USH 45	---	---	---	---	2	---	---	---	---	2	821.20	820.70	12 JOINT TIES, SKEW 31 DEG RHF
444+40	USH 45	---	1	---	---	---	---	---	---	---	---	801.20	---	
445+31	USH 45	---	1	---	---	---	---	---	---	---	---	799.10	---	
6+05	DWY 192+60 RT	---	---	---	---	2	---	---	---	---	---	976.40	975.60	12 JOINT TIES, SKEW 36 DEG RHF
6+05	DWY 192+60 RT	---	---	---	---	2	---	---	---	---	---	976.40	975.60	12 JOINT TIES, SKEW 36 DEG RHF
	CATEGORY TOTALS	0	2	2	9	9	2	4	2	2	24			
PROJECT 4110-26-71 CATEGORY 0020														
11+36	CTH H	---	2	---	---	---	---	---	---	---	2	957.00	956.00	10 JOINT TIES
20+86	CTH H	2	---	2	---	---	---	---	---	---	2	988.50	984.41	12 JOINT TIES, SKEW 14 DEG RHF
	CATEGORY TOTALS	2	2	2	0	0	0	0	0	0	4			
	PROJECT TOTALS	2	4	4	9	9	2	4	2	2	28			

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

MANHOLES AND INLETS

STRUCT NUM	STA	RL	DIST.	DIR	611.053 MANHOLE COVERS TYPE J EACH	611.0642 **** INLET COVERS TYPE MS EACH	611.3902 INLET MEDIAN 2 GRATE EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.01 MANHOLE SPECIAL 6-FT X 12-FT EACH	SPV.0060.02 INLET 3 GRATE SPECIAL EACH	TOP OF COVER/ FLANGE ELEVATION	TOP OF STRUCT ELEV	INV ELEV	STRUCT DEPTH FT	REMARKS
PROJECT 4110-26-71 CATEGORY 0010															
34	174+25	USH 45	31.7	RT	---	2	1	---	---	---	1003.10	1003.46	999.10	4.36	
9	174+31	USH 45	31.7	RT	---	2	1	---	---	---	1003.56	1003.00	999.10	3.90	
17	178+87	USH 45	25.4	RT	---	2	1	---	---	---	996.08	996.23	991.42	4.81	
19	244+21	USH 45	27.0	RT	---	3	---	---	---	1	970.20	970.20	965.86	4.34	SEE CONSTRUCTION DETAIL
21	249+97	USH 45	28.5	RT	---	3	---	---	---	1	968.91	968.91	963.45	5.46	SEE CONSTRUCTION DETAIL
32	297+13	USH 45	26.0	RT	---	2	1	---	---	---	973.05	973.05	968.00	5.05	
-	444+94	USH 45	29.8	RT	1	---	---	---	1	---	802.15	801.40	794.73	6.67	
-	446+61	USH 45	19.0	RT	---	---	---	1	---	---	---	---	---	---	
-	446+68	USH 45	15	LT	---	---	---	1	---	---	---	---	---	---	
				PROJECT TOTALS	1	14	4	2	1	2					

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STORM SEWER PIPE

STRUCTURE FROM	STRUCTURE TO	608.0318 REIN. CONC. CLASS III 18-INCH LF	608.0324 REIN. CONC. CLASS III 24-INCH LF	608.0336 REIN. CONC. CLASS III 36-INCH LF	608.0005 **** STORM SEWER ROCK EXCAVATION CY
PROJECT 4110-26-71 CATEGORY 0010					
444+40.0	444+93.6	54	---	---	
445+31.2	444+93.6	38	---	---	
445+00.0	444+93.6	---	---	8	
CATEGORY TOTAL		92	0	8	
PROJECT 4110-26-71 CATEGORY 0020					
EXISTING	INL 50	---	14	---	
INL 50	INL 51	---	64	---	40
INL 51	AEW 52	---	76	---	
CATEGROY TOTALS		0	154	0	40
PROJECT TOTALS		92	154	8	40

**** ADDITIONAL QUANTITIES ELSEWHERE

STORM SEWER STRUCTURES

STRUCT NUM	522.1024 **** APRON ENDWALLS FOR CPRC 24-INCH EACH	611.0642 **** INLET COVERS TYPE MS EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	REMARKS
PROJECT 4110-26-71 CATEGORY 0020				
INL 50	---	1	1	SEE DETAIL
INL 51	---	1	1	SEE DETAIL
AEW 52	1	---	---	SEE DETAIL
	1	2	2	

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE CURB AND GUTTER

STATION		TO STATION	DIR	LOCATION	601.0557 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D LF
PROJECT 4110-26-71 CATEGORY 0010					
300+00	-	304+00	RT	USH 45	400
CATEGORY TOTAL					400
PROJECT 4110-26-71 CATEGORY 0020					
12+25	-	23+50	LT	CTH H	1,100
10+22	-	11+08	RT	CTH H	100
10+23	-	10+60	LT	CTH H	65
CATEGORY TOTAL					1,265
PROJECT TOTAL					1,665

BEAM GUARD

STATION		TO STATION	LOCATION	DIR	614.0400 ADJUSTING STEEL PLATE BEAM GUARD LF	614.0950 REPLACING GUARDRAIL POST AND BLOCKS EA	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAILL TERMINAL EAT EA
PROJECT 4110-26-71 CATEGORY 0010								
226+90.63	-	231+09.38	USH 45	LT	---	---	313	2
375+52	-	376+35	USH 45	LT	83	2	---	---
375+63	-	376+47	USH 45	RT	84	2	---	---
377+00	-	377+83	USH 45	LT	83	2	---	---
377+12	-	378+08	USH 45	RT	96	2	---	---
			CATEGORY TOTALS		346	8	313	2
PROJECT 4110-26-71 CATEGORY 0020								
16+97	-	21+99	CTH H	RT	---	---	475	2
			CATEGORY TOTALS		0	0	475	2
			PROJECT TOTALS		346	8	788	4

RIPRAP

STATION	DIR	LOCATION	606.0100 LIGHT RIPRAP CY	645.0130 GEOTEXTILE FABRIC TYPE R SY
PROJECT 4110-26-71		CATEGORY 0020		
12+00/26+25	LT	CTH H	420	1,270
		PROJECT TOTAL	420	1,270

LANDMARK REFERENCE MONUMENTS

STATION	LOCATION	621.0100 LANDMARK REFERENCE MOUNUMENTS EA
PROJECT 4110-26-71	CATEGORY 0010	
305+00	USH 45	1
	CATEGORY TOTAL	1

LANDSCAPING ITEMS

STATION		TO STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB
PROJECT 4110-26-71			CATEGORY 0010													
151+91	-	176+60	USH 45	1,125	1,920	1,795	1,250	---	---	---	1.9	11	---	19	20	41
176+60	-	203+20	USH 45	405	3,920	2,955	---	---	1,370	---	2.7	37	---	21	7	58
203+20	-	229+80	USH 45	0	3,290	370	2,920	---	---	---	2.1	29	---	21	---	44
229+80	-	256+40	USH 45	897	1,410	717	1,590	---	---	---	1.5	7	---	16	16	31
256+40	-	283+00	USH 45	0	1,820	860	960	---	---	---	1.1	8	---	22	---	25
283+00	-	309+60	USH 45	0	3,580	2,360	1,220	---	---	---	2.3	15	---	45	---	48
309+60	-	336+20	USH 45	0	8,360	6,140	890	---	1,330	---	5.3	46	---	89	---	113
336+20	-	362+80	USH 45	0	2,240	2,240	---	---	---	---	1.4	7	---	30	---	30
362+80	-	386+58	USH 45	0	5,120	5,120	---	---	---	---	3.2	28	---	55	---	69
391+50	-	393+25	USH 45- Trail Repair	0	235	---	235	---	---	---	0.1	---	6	---	---	3
398+74	-	452+91	USH 45	4,300	---	---	---	4,300	---	---	2.7	---	---	---	80	---
			UNDISTRIBUTED	1,680	7,970	5,640	2,270	1,080	680	---	10	50	---	80	30	120
			CATEGORY TOTALS	8,406	39,865	28,196	11,335	5,380	3,380	0	34.3	237	6	400	154	583
PROJECT 4110-26-71			CATEGORY 0020													
10+24	-	28+00	CTH H	2,250	8,620	7,590	2,680	---	170	430	6.8	---	159	155	41	147
50+12	-	52+00	OLD CTH H	780	0	780	---	---	---	---	0.5	---	---	---	14	11
55+07	-	56+05	OLD CTH H CDS	0	2,140	---	2,140	---	---	---	1.3	---	---	39	---	29
			UNDISTRIBUTED	760	2,690	2,090	1,210	---	40	110	2.0	---	40	50	10	50
			CATEGORY TOTALS	3,790	13,450	10,460	6,030	0	210	540	10.7	0	199	244	65	236
			PROJECT TOTALS	12,196	53,315	38,656	17,365	5,380	3,590	540	45.0	237	205	644	218	819

EROSION CONTROL ITEMS

STATION		TO STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINT LF	628.1905 MOB. EROSION CONTROL EA	628.1910 MOB. EROSION CONTROL EMERGENCY EA	628.7010 INLET PROTECT. TYPE B EACH	628.7504 TEMP. DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
PROJECT 4080-04-71 CATEGORY 0010											
150+82	-	176+60	USH 45	640	640	---	---	1	20	21	20
176+60	-	203+20	USH 45	170	170	---	---	1	---	39	20
203+20	-	229+80	USH 45	1,090	1,090	---	---	---	---	28	30
229+80	-	256+40	USH 45	210	210	---	---	2	---	---	20
256+40	-	283+00	USH 45	570	570	---	---	---	---	19	20
283+00	-	309+60	USH 45	840	840	---	---	1	30	6	20
309+60	-	336+20	USH 45	630	630	---	---	---	240	23	20
336+20	-	362+80	USH 45	---	---	---	---	---	50	7	---
362+80	-	386+58	USH 45	430	430	---	---	---	100	13	---
391+50	-	393+25	USH 45 - Trail Repair	160	160	---	---	---	100	13	---
398+74		452+91	USH 45	445	445	---	---	---	105	30	---
UNDISTRIBUTED				1,300	1,300	6	2	---	140	60	75
CATEGORY TOTALS				6,485	6,485	6	2	5	785	259	225
PROJECT 4080-04-71 CATEGORY 0020											
10+24	-	28+00	CTH H	---	---	---	---	---	360	6	---
50+12	-	52+00	OLD CTH H	---	---	---	---	---	40	---	---
55+07	-	56+05	OLD CTH H CDS	---	---	---	---	2	40	---	---
UNDISTRIBUTED				---	---	3	2	---	110	2	20
CATEGORY TOTALS				0	0	3	2	2	550	8	20
PROJECT TOTALS				6,485	6,485	9	4	7	1,335	267	245

CONCRETE BARRIER AND CRASH CUSHIONS SUMMARY

LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	REMARKS
MANHOLE STRUCTURE 444+94	225	225	2	2	OM-3R & OM-3L	TL-2	BIDIRECTIONAL	LEFT	SINGLE TEMPORARY BARRIER	OM-3R REQD FOR NB APPROACH AND OM-3L REQD FOR SB APPROACH
TOTALS	225	225	2							

TRAFFIC CONTROL SUMMARY

LOCATION	APPROX. SERVICE PERIOD DAYS	603.8000 CONCRETE BARRIER TEMP. PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMP. PRECAST INSTALLED LF	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS LS	643.0300 DRUMS EACH	643.0300 DRUMS DAYS	643.0420 **** BARRICADES TYPE III EACH	643.0420 **** BARRICADES TYPE III DAYS	643.0705 **** WARNING LIGHTS TYPE A EACH	643.0705 **** WARNING LIGHTS TYPE A DAYS	643.0900 **** TRAFFIC CONTROL SIGNS EA	643.0900 **** TRAFFIC CONTROL SIGNS DAY	643.1050 **** PORTABLE CHANGEABLE MESSAGE SIGNS EACH	643.1050 **** PORTABLE CHANGEABLE MESSAGE SIGNS DAYS
STA 151+91	123	---	---	---	---	---	4	492	8	984	12	1,169	1	7
CTH UU	123	---	---	---	---	---	3	369	6	738	5	615	---	---
LIME RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
GARNETT RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 177+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 226+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
BIRCH RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 230+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
BAUDY LN	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 257+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
OAK HILL RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 259+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 268+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
MILL RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 270+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 286+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
SUMMIT CT	123	---	---	---	---	---	3	369	6	738	5	615	---	---
SUMMIT DR	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 289+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 297+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 300+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 315+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
CTH H	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 317+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 334+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
REINHARDT RD	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 336+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
OVERLAND TR	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 350+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
CTH K WEST	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 356+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
CTH K	123	---	---	---	---	---	3	369	6	738	5	615	1	7
STA 369+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
STA 372+00 NB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
VALLEY CREEK	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 385+00 SB	123	---	---	---	---	---	---	---	---	---	5	431	---	---
BOYKE LN	123	---	---	---	---	---	3	369	6	738	5	615	---	---
STA 386+25	123	---	---	---	---	---	4	492	8	984	7	861	---	---
398+74 / 452+91	60	---	---	1	---	---	---	---	---	---	25	1,500	2	7
442+45 / 447+10	21	225	225	---	15	315	---	---	---	---	1	21	---	14
FRONTAGE ROAD	123	---	---	---	---	---	---	---	---	---	---	---	1	7
PROJECT TOTAL		225	225	1		315		6,888		13,776		22,001		42

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

PAVEMENT MARKING

STATION TO STATION			ROADWAY	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH * (YELLOW) LF	646.1040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	648.0100 LOCATING NO-PASSING ZONES MI	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF
PROJECT 4080-04-71 CATEGORY 0010												
151+91	-	171+50	USH 45	3918	3838	--	--	--	--	0.37	---	---
171+50	-	178+50	USH 45	1400	306	--	--	944	--	0.13	---	---
178+50	-	228+50	USH 45	14903	--	--	--	9940	--	0.95	---	---
228+50	-	249+50	USH 45	5190	--	--	--	4130	--	0.40	---	---
249+50	-	258+00	USH 45	2118	70	--	--	1585	--	0.16	---	---
258+00	-	269+00	USH 45	4400	40	--	--	2070	--	0.21	---	---
269+00	-	287+50	USH 45	7400	--	--	--	3525	--	0.35	---	---
287+50	-	315+50	USH 45	11200	20	347	--	5370	--	0.53	---	---
315+50	-	335+00	USH 45	7800	55	--	--	3815	--	0.37	---	---
335+00	-	340+50	USH 45	2200	30	--	--	945	--	0.10	---	---
340+50	-	361+50	USH 45	8400	203	--	--	1799	26	0.40	---	---
361+50	-	371+00	USH 45	3800	355	200	--	1465	--	0.18	---	---
371+00	-	381+50	USH 45	4200	1973	200	--	--	--	0.20	---	---
381+50	-	386+25	USH 45	1902	891	90	--	--	--	0.09	---	---
398+74	-	452+91	USH 45	10649	140	--	5071	---	--	1.03	12925	---
	-		CTH K (NORTH)	--	--	52	--	---	21	---	---	---
442+45	-	447+10	USH 45	--	--	---	--	---	---	---	830	100
CATEGORY TOTALS				97,398		889	5,071	35,588	47	5.47	13,855	
PROJECT 4080-04-71 CATEGORY 0020												
10+24	-	28+00	CTH H	3490	---	--	--	3335	--	0.33	---	---
CATEGORY TOTALS				3490		0	0	3335	0	0.33	0	0
PROJECT TOTALS				100,888		889	5,071	38,923	47	5.80	13,855	

* NOTE:
PAVEMENT MARKING SAME DAY EPOXY - 1ST APPLICATION ON CENTERLINE TO BE 17.6 GALS/MILE AND 2ND APPLICATION AFTER CENTERLINE RUMBLE STRIPS TO BE 22.0 GALS/MILE.

CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
PROJECT 4110-26-71 CATEGORY 0010										
151+91	-	171+90	USH 45	---	---	---	---	3	1999	---
171+90	-	176+50	USH 45	2	460	460	---	2	---	460
176+50	-	220+00	USH 45	1	---	---	---	3	4350	---
220+00	-	221+50	USH 45	---	150	150	---	1	---	150
221+50	-	226+30	USH 45	---	---	---	---	---	480	---
226+30	-	231+69	USH 45	---	---	---	---	1	539	---
231+69	-	247+00	USH 45	1	---	---	---	1	1531	---
247+00	-	250+75	USH 45	1	375	375	---	1	---	375
250+75	-	253+32	USH 45	---	---	---	---	---	257	---
253+32	-	261+24	USH 45	---	---	---	---	---	792	---
261+24	-	262+30	USH 45	---	---	---	---	2	106	---
262+30	-	268+00	USH 45	---	570	570	---	---	---	570
268+00	-	294+50	USH 45	---	---	---	---	---	2650	---
294+50	-	297+25	USH 45	1	275	275	---	2	---	275
297+25	-	299+30	USH 45	---	---	---	---	1	205	---
299+30	-	304+00	USH 45	---	470	470	400	---	---	470
304+00	-	319+00	USH 45	---	---	---	---	1	1500	---
319+00	-	328+00	USH 45	---	900	900	---	1	---	900
328+00	-	330+85	USH 45	---	---	---	---	---	285	---
330+85	-	338+00	USH 45	---	715	715	---	1	---	715
338+00	-	347+00	USH 45	---	---	---	---	---	900	---
347+00	-	356+00	USH 45	---	900	900	---	1	---	900
356+00	-	363+25	USH 45	---	---	---	---	---	725	---
363+25	-	370+50	USH 45	---	725	725	---	1	---	725
370+50	-	376+41	USH 45	---	---	---	---	---	591	---
377+06	-	386+25	USH 45	---	---	---	---	---	919	---
398+74	-	452+91	USH 45	3	---	---	---	---	5417	3075
			CATEGORY TOTALS	9	5,540	5,540	400	22	23,246	8,615
PROJECT 4110-26-71 CATEGORY 0020										
10+24	-	28+00	CTH H	---	1776	1776	1265	2	---	1776
50+12	-	52+00	OLD CTH H	---	188	188	---	---	---	188
55+07	-	56+05	OLD CTH H CDS	3	98	98	---	1	---	98
			CATEGORY TOTALS	3	2062	2062	1265	3	0	2062
			PROJECT TOTALS	12	7602	7602	1665	25	23246	10677

SAWCUTS

STATION	DIR	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	REMARKS
PROJECT 4110-26-71 CATEGORY 0010					
151+91	---	USH 45	30	18	BOP
152+05	---	USH 45	30	18	CULVERT REPLACEMENT
152+55	---	USH 45	30	18	CULVERT REPLACEMENT
158+65	---	USH 45	30	18	CULVERT REPLACEMENT
159+05	---	USH 45	30	18	CULVERT REPLACEMENT
165+00	LT	USH 45	40	---	DRIVEWAY
166+00	LT	USH 45	45	---	DRIVEWAY
171+50	LT	USH 45	22	---	LIME ROAD
171+90	---	USH 45	30	18	RECONSTRUCTION LIMITS
175+90	RT	USH 45	22	---	GARNETT ROAD
176+50	---	USH 45	30	18	RECONSTRUCTION LIMITS
178+62	---	USH 45	30	18	CULVERT REPLACEMENT
179+12	---	USH 45	30	18	CULVERT REPLACEMENT
187+95	---	USH 45	30	18	CULVERT REPLACEMENT
188+35	---	USH 45	30	18	CULVERT REPLACEMENT
220+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
221+50	---	USH 45	30	18	RECONSTRUCTION LIMITS
226+30 - 231+69	LT	USH 45	539	---	BEAMGUARD CONSTRUCTION
243+97	---	USH 45	30	18	CULVERT REPLACEMENT
244+47	---	USH 45	30	18	CULVERT REPLACEMENT
247+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
250+75	---	USH 45	30	18	RECONSTRUCTION LIMITS
262+38	---	USH 45	30	18	RECONSTRUCTION LIMITS
268+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
294+50	---	USH 45	30	18	RECONSTRUCTION LIMITS
297+39	---	USH 45	30	18	RECONSTRUCTION LIMITS
299+30	---	USH 45	30	18	RECONSTRUCTION LIMITS
303+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
302+21	LT	USH 45	28	---	DRIVEWAY
308+07	---	USH 45	30	18	CULVERT REPLACEMENT
308+37	---	USH 45	30	18	CULVERT REPLACEMENT
310+42 - 317+32	RT	USH 45	690	---	TURN LANE CONSTRUCTION
311+45 - 319+00	LT	USH 45	755	---	BYPASS LANE CONSTRUCTION
312+07	LT	USH 45	10	---	DRIVEWAY
313+31	LT	USH 45	10	---	DRIVEWAY
315+30	LT	USH 45	10	---	DRIVEWAY
317+03	LT	USH 45	12	---	DRIVEWAY
319+33	LT	USH 45	12	---	DRIVEWAY
320+32	LT	USH 45	30	---	DRIVEWAY
322+00	LT	USH 45	30	---	DRIVEWAY
323+67	LT	USH 45	16	---	DRIVEWAY
324+00	LT	USH 45	12	---	DRIVEWAY
326+17	LT	USH 45	25	---	DRIVEWAY
328+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
330+85	---	USH 45	30	18	CULVERT REPLACEMENT
331+35	---	USH 45	30	18	CULVERT REPLACEMENT
331+35 - 338+00	---	USH 45	665	18	RECONSTRUCTION LIMITS
		CATEGORY SUBTOTAL	3813	522	

SAWCUTS, CONT'D

STATION	DIR	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	REMARKS
PROJECT 4110-26-71 CATEGORY 0010					
334+30	RT	USH 45	18	---	DRIVEWAY
347+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
350+75	LT	USH 45	25	---	DRIVEWAY
356+00	---	USH 45	30	18	RECONSTRUCTION LIMITS
363+25	---	USH 45	30	---	RECONSTRUCTION LIMITS
370+00	---	USH 45	30	---	RECONSTRUCTION LIMITS
371+80 - 374+55	LT	USH 45	275	---	RIGHT TURN LANE RECONSTRUCTION
398+74	---	USH 45	30	---	USH 45
452+91	---	USH 45	38	---	USH 45
80+62	---	USH 45	21	---	TAKODAH DR
89+11	---	USH 45	26	---	CTH VV
99+61	---	USH 45	22	---	SOUTHGATE DR
109+67	---	USH 45	32	---	CLOVER CT
119+69	---	USH 45	32	---	WEST MULLEN DR
120+31	---	USH 45	24	---	EAST MULLEN DR
398+75-452+91	---	USH 45	375	---	DRIVEWAYS
		CATEGORY SUBTOTAL	1038	36	
		CATEGORY TOTAL	4851	558	
PROJECT 4110-26-71 CATEGORY 0020					
28+00	---	CTH H	30	---	END OF PROJECT
52+00	---	OLD CTH H	30	---	RECONSTRUCTION LIMITS
55+35	---	CTH H CDS	30	---	RECONSTRUCTION LIMITS
		CATEGORY TOTAL	90	0	

HOT MIX ASPHALT PWL TEST STRIP

STATION TO STATION	LAYER	LOCATION	SPV.0060.03 VOLUMETRICS EA	SPV.0060.04 DENSITY EA
PROJECT 4110-26-71 CATEGORY 0010				
151+91 - 452+91	UPPER	USH 45	1	1
		PROJECT TOTAL	1	1

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.221 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.222 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.223 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	S. OF CTH UU/LIME RD.	W3-5	36" X 36"	---	---	9.00	---	---	1	---	1	1	30 MPH
2	"	I2-3	54" X 24"	9.00	---	---	---	1	1	---	1	2	SEE SIGN DETAIL SHEET
3	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
4	"	W1-4L	30" X 30"	---	---	6.25	---	1	---	---	1	1	
5	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
6	"	R2-1		---	---	---	---	---	---	---	1	1	
7	"	W1-2L	30" X 30"	---	---	6.25	---	1	---	---	1	1	
8	"	R2-1		---	---	---	---	---	---	---	1	1	
9	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
10	"	I55-56	30" X 36"	7.50	---	---	---	1	---	---	1	1	SEE PLAN SHEET
11	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	1	1	SEE PLAN SHEET
12	CTH UU/LIME RD.	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
13	"	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
14	"	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
15	"	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
16	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
17	N. OF CTH UU/LIME RD.	W1-6	48" X 24"	---	---	8.00	---	1	---	---	1	1	
18	"	J4-1		---	---	---	---	---	---	---	1	1	
18A	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	SEE PLAN SHEET
19	GARNETT RD.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
20	N. OF GARNETT RD.	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	55 MPH
21	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
22	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
23	"	W1-2R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
24	"	W3-5	36" X 36"	---	---	9.00	---	---	1	---	1	1	45 MPH
25	"	W14-3	48" X 36"	---	---	6.00	---	---	1	---	1	1	
26	"	W1-2R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
27	"	W14-3	48" X 36"	---	---	6.00	---	---	1	---	1	1	
28	S. OF BIRCH RD.	W5-52R		---	---	---	---	---	---	---	1	1	
29	"	W1-2L	30" X 30"	---	---	6.25	---	---	1	---	1	1	
30	BIRCH RD.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
31	N. OF BIRCH RD.	W5-52R		---	---	---	---	---	---	---	1	1	
32A		W14-3	48" X 36"	---	---	6.00	---	---	1	---	1	1	
32	S. OF BAUDBY LN.	W14-3	48" X 36"	---	---	6.00	---	---	1	---	1	1	
33	"	W5-52R		---	---	---	---	---	---	---	1	1	
34	BAUDBY LN.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
35	N. OF BAUDBY LN.	W3-5	36" X 36"	---	---	9.00	---	---	1	---	1	1	45 MPH
36	S. OF OAK HILL RD.	W1-2R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
37	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	55 MPH
38	OAK HILL RD.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
39	N. OF OAK HILL RD.	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
40	"	I55-56	30" X 36"	7.50	---	---	---	1	---	---	1	1	SEE PLAN SHEET
	PAGE SUBTOTALS			137.14	---	96.50	---	20	17	---	41	42	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.221 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.222 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.223 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
41	N. OF OAK HILL RD.	I55-56	30" X 36"	7.50	---	---	---	1	---	---	1	1	SEE PLAN SHEET
42	S. OF MILL RD.	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
43	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
44	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
45	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
46	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
47	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
48	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
49	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
50	MILL RD.	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
51	N. OF MILL RD.	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
52	"	W1-6		---	---	---	---	---	---	---	1	1	
53	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
54	"	W1-8	24" X 30"	---	---	5.00	---	1	---	---	1	1	
55	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
56	S. OF SUMMIT DR.	W1-2L	30" X 30"	---	---	6.25	---	---	---	1	---	---	
57	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
58	"	W1-4R	30" X 30"	---	---	6.25	---	1	---	---	1	1	
59	SUMMIT DR.	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
60	"	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
61	N. OF SUMMIT DR.	J1-1		---	---	---	---	---	---	---	1	1	
62	"	W1-6	48" X 24"	---	---	8.00	---	1	---	---	1	1	
63	"	W1-6	48" X 24"	---	---	8.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #62
64	"	J4-1		---	---	---	---	---	---	---	1	1	
65	"	S3-1	36" X 36"	---	---	9.00	---	---	1	---	1	1	
66	"	J12-1		---	---	---	---	---	---	---	1	1	
67	"	J13-1		---	---	---	---	---	---	---	1	1	
68	"	R1-1		---	---	---	---	---	---	---	1	1	
69	S. OF CTH H	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
70	OLD CTH H CUL-DE-SAC	W5-56	18" X 18"	---	2.25	---	1	---	---	---	---	---	
71	"	W5-56	18" X 18"	---	2.25	---	1	---	---	---	---	---	
72	"	W5-56	18" X 18"	---	2.25	---	1	---	---	---	---	---	
73	S. OF CTH H	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
74	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
75	"	W1-4R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
76	"	R1-1		---	---	---	---	---	---	---	1	1	
77	"	J13-1		---	---	---	---	---	---	---	1	1	
	PAGE SUBTOTALS			54.10	6.75	98.75	3	21	3	1	31	31	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.221 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.222 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.223 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
78	S. OF CTH H	J12-1		---	---	---	---	---	---	---	1	1	
79	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	---	---	45 MPH
80	"	W1-4L	30" X 30"	---	---	6.25	---	1	---	---	1	1	
81	"	J4-1		---	---	---	---	---	---	---	1	1	
82	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	45 MPH
83	CTH H	J12-1	24" X 45"	7.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
84	CTH H, E. OF USH 45	W1-1R		---	---	---	---	---	---	---	1	1	REMOVE W13-1 ALSO
84A	"	W1-3R	30" X 30"	---	---	6.25	---	---	1	---	---	---	
84B	"	W13-1	18" X 18"	---	---	2.25	---	---	---	---	---	---	TO BE DETERMINED IN THE FIELD, MOUNT BELOW SIGN #84A
85	OLD CTH H	R1-1	30" X 30"	5.18	---	---	---	1	---	---	---	---	
86	CTH H, E. OF USH 45	W1-6	48" X 24"	---	---	8.00	---	1	---	---	---	---	
87	"	W1-6	48" X 24"	---	---	8.00	---	1	---	---	---	---	
88	"	W3-1	36" X 36"	---	---	9.00	---	---	1	---	---	---	
89	"	W1-6	48" X 24"	---	---	8.00	---	1	---	---	---	---	
90	"	W1-6	48" X 24"	---	---	8.00	---	---	1	---	---	---	
91	CTH H	R1-1	36" X 36"	7.46	---	---	---	1	---	---	---	---	
92	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
93	"	J12-1	24" X 45"	7.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
94	N. OF CTH H	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	SEE PLAN SHEET
94A	"	R2-1	24" X 30"	5.00	---	---	---	1.00	---	---	---	---	45 MPH
95	"	J1-1		---	---	---	---	---	---	---	1	1	
96	"	W1-6	48" X 24"	---	---	8.00	---	1	---	---	1	1	
97	S. OF REINHARDT RD.	J1-1	24" X 39"	6.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
98	"	W1-2R		---	---	---	---	---	---	---	1	1	
98A	"	W13-1		---	---	---	---	---	---	---	---	---	
99	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
100	REINHARDT RD.	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
101	"	W1-6	48" X 24"	---	---	8.00	---	1	---	---	1	1	
102	"	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
103	N. OF REINHARDT RD.	W1-6	48" X 24"	---	---	8.00	---	1	---	---	1	1	
104	S. OF OVER LAND TRAIL	W1-1L		---	---	---	---	---	---	---	1	1	REMOVE W13-1 ALSO
105	"	W1-4L	36" X 36"	---	---	9.00	---	---	1	---	1	1	
106	OVER LAND TRAIL	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
107	N. OF OVER LAND TRAIL	D2-2	84" X 24"	14.00	---	---	---	1	1	---	1	2	SEE SIGN DETAIL
108	"	W1-1L	36" X 36"	---	---	9.00	---	---	---	1	1	1	
108A	"	W13-1	24" X 24"	---	---	4.00	---	---	---	---	---	---	30 MPH, MOUNT BELOW SIGN #108
109	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
110	S. OF CTH K	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
111	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	1	1	SEE PLAN SHEET
112	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
113	CTH K	W1-8	18" X 24"	---	---	3.00	---	1	---	---	1	1	
114	"	W1-8	18" X 24"	---	---	3.00	---	1	---	---	---	---	MOUNT ON BACK OF SIGN #113
	PAGE SUBTOTALS			125.46	---	107.75	---	22	11	1	22	23	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.221 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.222 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.223 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
115	CTH K	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
116	"	W1-8	18" X 24"	---	---	3.00	---	1	---	---	1	1	
117	"	W1-8	18" X 24"	---	---	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #117
118	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
119	"	W1-8	18" X 24"	---	---	3.00	---	1	---	---	1	1	
120	"	W1-8	18" X 24"	---	---	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #119
121	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
122	"	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
123	"	W1-8	18" X 24"	---	---	3.00	---	1	---	---	1	1	
124	"	W1-8	18" X 24"	---	---	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #123
125	W. OF CTH K	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
126	E. OF BOYKE DR.	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
127	"	W1-2R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
128	BOYKE DR.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
129	W. OF BOYKE DR.	W1-1R	36" X 36"	---	---	9.00	---	---	---	1	1	1	
129A	"	W13-1	24" X 24"	---	---	4.00	---	---	---	---	---	---	TO BE DETERMINED IN THE FIELD, MOUNT BELOW SIGN #129
130	"	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
131	E. OF CTH K	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
131A	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	---	---	SEE PLAN SHEET
132	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
133	"	J1-1		---	---	---	---	---	---	---	1	1	
134	"	R5-1	30" X 30"	6.25	---	---	---	1	---	---	1	1	
135	CTH K	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
136	CTH K ISLAND	J13-2	48" X 45"	15.00	---	---	---	1	---	---	1	1	SEE PLAN SHEET
137	"	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
138	CTH K	J13-1		---	---	---	---	---	---	---	1	1	
139	"	W1-7	48" X 24"	---	---	8.00	---	1	---	---	---	---	
140	W. OF CTH K	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
140A	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	---	---	SEE PLAN SHEET
141	"	I55-56	30" X 36"	7.50	---	---	---	1	---	---	1	1	SEE PLAN SHEET
142	"	W5-59L	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
143	"	J2-2		---	---	---	---	---	---	---	1	2	
143A	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	---	---	45 MPH
144	"	W5-59R	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
145	S. OF VALLEY CREEK RD.	J1-1	24" X 39"	6.50	---	---	---	1	---	---	1	1	SEE PLAN SHEET
146	"	W5-59R	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
147	"	W5-59L	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
148	"	D1-3		---	---	---	---	---	---	---	1	2	
149	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	1	1	SEE PLAN SHEET
	PAGE SUBTOTALS			147.27	---	54.25	---	19	7	1	31	29	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.221 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.222 SIGNS TYPE II REFLECTIVE TYPE SH S.F.	637.223 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0612 POSTS WOOD 4x6x12 EACH	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
150	VALLEY CREEK RD.	R1-1	36" X 36"	7.46	---	---	---	1	---	---	1	1	
151	"	J3-1		---	---	---	---	---	---	---	1	1	
152	N. OF VALLEY CREEK RD.	W1-2L	30" X 30"	---	---	6.25	---	---	1	---	1	1	
153	"	W1-2R	30" X 30"	---	---	6.25	---	---	1	---	1	1	
154	S. OF USH 151	W5-59L	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
155	"	W5-59R	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
156	N. OF USH 151	W5-59L	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
157	VACANT	---		---	---	---	---	---	---	---	---	---	
158	N. OF USH 151	W5-59R	18" X 18"	---	---	2.25	---	---	---	---	1	---	MOUNT TO BEAM GUARD END TREATMENT
159	VACANT	---		---	---	---	---	---	---	---	---	---	
160	VACANT	---		---	---	---	---	---	---	---	---	---	
161	VACANT	---		---	---	---	---	---	---	---	---	---	
162	N. OF TAKODAH DR.	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	45 MPH
163	"	R2-1	24" x 30"	5.00	---	---	---	1	---	---	1	1	40 MPH
164	"	W1-2L	30" X 30"	---	---	6.25	---	---	1	---	1	1	
165	"	I2-3	84" X 24"	14.00	---	---	---	1	1	---	1	2	SEE SIGN DETAIL
166	S. OF CTH VV	W14-3	48" X 36"	---	---	6.00	---	1	---	---	1	1	
167	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
168	"	W14-3	48" X 36"	---	---	6.00	---	1	---	---	1	1	
169	"	R2-1	24" X 30"	5.00	---	---	---	---	---	---	---	---	40 MPH, MOUNT ON BACK OF SIGN #168
170	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	40 MPH
171	"	J4-1	24" X 36"	6.00	---	---	---	1	---	---	1	1	SEE PLAN SHEET
172	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
173	CTH VV	W1-7	48" X 24"	---	---	8.00	---	1	---	---	1	1	
174	"	J13-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
175	SOUTHGATE DR.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
176	N. OF SOUTHGATE DR.	W14-3	48" X 36"	---	---	6.00	---	1	---	---	1	1	
177	"	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
178	"	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	40 MPH
179	CLOVER CT.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
180	N. OF CLOVER CT.	J1-1	24" X 39"	6.50	---	---	---	---	1	---	1	1	SEE PLAN SHEET
181	S. OF MULLEN DR.	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	40 MPH
182	MULLEN DR.	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
183	S. OF CTH V	R2-1	24" X 30"	5.00	---	---	---	1	---	---	1	1	30 MPH
184	"	J12-1	24" X 45"	7.50	---	---	---	---	1	---	1	1	
185	"	J13-1		---	---	---	---	---	---	---	1	1	
186	CTH V	R1-1	30" X 30"	5.18	---	---	---	1	---	---	1	1	
	PAGE SUBTOTALS			117.72	---	41.25	---	16	8	---	28	25	
	PROJECT TOTALS			**581.69**	**6.75**	**398.50**	**3**	**98**	**46**	**3**	**153**	**150**	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	USH 45, W. OF CTH B EAST INTERSECTION, PLACE 1/2 MILE E. OF US 45/CTH B SPLIT	M 1-4	24"X24"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
2	USH 45, W. OF CTH B EAST INTERSECTION, PLACE 1/4 MILE E. OF US 45/CTH B SPLIT	FMS	84"X42"	1	100				24.5					
3	USH 45, W. OF CTH B EAST INTERSECTION, MODIFY EXISTING J2-2 AS SHOWN	MO 4-8	24"X12"	1	100	100								
	"	MO 6-1	21"X21"	1	100	100								AHEAD
4	USH 45, W. OF CTH B EAST INTERSECTION, PLACE 100' E. OF US 45/CTH B SPLIT	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								AHEAD
5	USH 45, AT CTH B WEST INTERSECTION, PLACE JUST N. OF INTERSECTION IN ROADWAY	R 11-3	60"X30"	1	100	100	100	200						0.2 MILES AHEAD
	"	M 4-9L	30"X24"	1	100	100								
6	USH 45, N. OF CTH B WEST INTERSECTION, COVER EXISTING J4-1 SIGN AS SHOWN			1	100						1		1	COVER "NORTH 45"
7	USH 45, N. OF CTH B WEST INTERSECTION, PLACE ON PARKING SHOULDER, FIELD DETERMINED	PCMS		1	100					7				PLACE IN ADVANCE OF PROJECT START
8	USH 45, AT CTH B WEST INTERSECTION, MODIFY EXISTING J2-2 SIGN AS SHOWN	MO 4-8	24"X12"	1	100	100								
	"	MO 6-1	21"X21"	1	100	100								AHEAD
9	CTH B, AT USH 45 INTERSECTION, MODIFY EXISTING J13-2 SIGN AS SHOWN	MO 6-1	21"X21"	1	100	100								AHEAD
10	CTH B, W. OF USH 45 INTERSECTION, COVER EXISTING J2-1 SIGN AS SHOWN			1	100						1		1	
11	CTH B, E. OF CTH V, PLACE 100' E. OF CTH V INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								AHEAD
12	CTH B, W. OF CTH V, PLACE 100' W. OF CTH V INTERSECTION	M 4-8A	24"X18"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
13	CTH B, E. OF CTH K, PLACE 100' E. OF CTH K INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								AHEAD
14	CTH B, W. OF CTH K, PLACE 100' W. OF CTH K INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								AHEAD
15	CTH B, W. OF HAMILTON RD, PLACE LEFT OF EXISTING J2-2 SIGN	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 5-1R	21"X21"	1	100	100								
16	CTH B, W. OF HAMILTON RD, PLACE 300' E. OF I-41 NB RAMP TERMINI INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	PAGE SUBTOTALS			39		3,500	100	200	24.5	7		0	2	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
17	CTH B, W. OF HAMILTON RD, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								RIGHT
18	I-41 NB OFF-RAMP TO CTH B, PLACE RIGHT OF EXISTING J3-2 SIGN	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								RIGHT
19	CTH B ON-RAMP TO I-41 NB, PLACE 250' N. OF RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-1	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
20	CTH B, BETWEEN I-41 RAMP INTERSECTIONS, PLACE IN MEDIAN ON BACK OF EXISTING R5-1A SIGN	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								AHEAD
21	I-41 NB, S. OF CTH B, PLACE 3/4 MILE S. OF CTH B INTERCHANGE OFF-RAMP (MEDIAN)	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
22	I-41 NB, S. OF CTH B, PLACE 3/4 MILE S. OF CTH B INTERCHANGE OFF-RAMP (RIGHT SHOULDER)	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
23	I-41 NB, S. OF CTH B, PLACE 1/2 MILE S. OF CTH B INTERCHANGE OFF-RAMP (MEDIAN)	FMS	132"X54"	1	100	100			49.5					
24	I-41 NB, S. OF CTH B, PLACE 1/2 MILE S. OF CTH B INTERCHANGE OFF-RAMP (RIGHT SHOULDER)	FMS	132"X54"	1	100	100			49.5					
25	I-41 NB, S. OF CTH B, PLACE 1/4 MILE S. OF CTH B INTERCHANGE OFF-RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-2R	30"X30"	1	100	100								
26	I-41 NB, S. OF CTH B, PLACE 1/4 MILE S. OF CTH B INTERCHANGE OFF-RAMP (RIGHT SHOULDER)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-2R	30"X30"	1	100	100								
27	I-41 NB, S. OF CTH B, PLACE LEFT OF EXISTING TYPE I E4-1A SIGN AT DIVERGE POINT	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-2	30"X30"	1	100	100								TILT RIGHT
28	I-41 NB OFF-RAMP TO CTH B, PLACE 600' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 5-1R	21"X21"	1	100	100								
29	I-41 SB OFF-RAMP TO CTH B, PLACE 100' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								LEFT
	PAGE SUBTOTALS			43		4,300	0	0	99.0	0		0	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
30	I-41 SB OFF-RAMP TO CTH B, PLACE 600' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 5-2R	21"X21"	1	100	100								
31	I-41 SB, N. OF CTH B, PLACE LEFT OF EXISTING TYPE I E4-1A SIGN AT DIVERGE POINT	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-2	30"X30"	1	100	100								TILT RIGHT
32	I-41 SB, N. OF CTH B, PLACE 1/4 MILE N. OF CTH B INTERCHANGE OFF-RAMP (RIGHT SHOULDER)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-2R	30"X30"	1	100	100								
33	I-41 SB, N. OF CTH B, PLACE 1/4 MILE N. OF CTH B INTERCHANGE OFF-RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-2R	30"X30"	1	100	100								
34	I-41 NB, S. OF US 151, PLACE ACROSS FROM EXISTING TYPE I E1-1A SIGN (MEDIAN)	MO 4-8A	30"X24"	1	100	100								
	"	M 3-1	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
35	I-41 NB, S. OF US 151, PLACE ACROSS FROM EXISTING TYPE I E1-1A SIGN (RIGHT SHOULDER)	MO 4-8A	30"X24"	1	100	100								
	"	M 3-1	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
36	I-41 NB, S. OF US 151, COVER EXISTING TYPE I E1-1A SIGN AS SHOWN			1	100						1	1		COVER "US 45 SOUTH"
37	I-41 SB, S. OF US 151, PLACE RIGHT OF EXISTING J4-2 SIGN	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
38	I-41 NB, S. OF US 151, COVER EXISTING TYPE I E4-1A SIGN AS SHOWN			1	100						1	1		COVER "US 45 SOUTH"
39	US 151 EB, PLACE 1500' W. OF I-41 SB RAMP TERMINI INTERSECTION (RIGHT SHOULDER)	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
39A	US 151 EB, PLACE 1500' W. OF I-41 SB RAMP TERMINI INTERSECTION (MEDIAN)	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
40	US 151 EB, PLACE 750' W. OF I-41 SB RAMP TERMINI INTERSECTION (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-1R	30"X30"	1	100	100								
41	US 151 EB, PLACE 750' W. OF I-41 SB RAMP TERMINI INTERSECTION (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 5-1R	30"X30"	1	100	100								
PAGE SUBTOTALS				41		3,900	0	0	0.0	0		2	0	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
42	US 151 EB, W. OF I-41 SB RAMP INTERSECTION, MODIFY EXISTING J2-2 SIGN AS SHOWN	MO 4-8	36"X18"	1	100	100								
	"	MO 6-1	30"X30"	1	100	100								RIGHT
43	US 151 EB, W. OF I-41 SB RAMP INTERSECTION, PLACE ON RIGHT SHOULDER OF SIGN #42	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								RIGHT
44	I-41 SB OFF-RAMP TO US 151, AT RAMP TERMINI INTERSECTION, COVER EXISTING J3-1 AS SHOWN			1	100						1		1	COVER "SOUTH US 45 LT"
45	US 151 WB, BETWEEN RAMP INTERSECTIONS, PLACE 300' E. OF I-41 SB RAMP INTERSECTION	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								LEFT
46	US 151 EB, BETWEEN RAMP INTERSECTIONS, COVER EXISTING J3-1 AS SHOWN			1	100						1		1	COVER "SOUTH US 45 AHEAD"
47	I-41 NB OFF-RAMP TO US 151, COVER EXISTING J3-1 AS SHOWN			1	100						1		1	COVER "SOUTH US 45 RIGHT"
48	US 151 EB, E. OF I-41 NB RAMP INTERSECTION, COVER EXISTING J4-2 AS SHOWN			1	100						1		1	COVER "SOUTH US 45"
49	I-41 SB, N. OF US 151, COVER EXISTING TYPE I E4-1A SIGN AS SHOWN			1	100						1	1		COVER "US 45 SOUTH"
50	I-41 SB, N. OF US 151, PLACE LEFT OF EXISTING TYPE I E4-1A SIGN ON RIGHT SHOULDER	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
51	I-41 SB, N. OF US 151, PLACE LEFT OF EXISTING TYPE I E4-1A SIGN IN MEDIAN	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
52	I-41 SB, N. OF US 151, PLACE 1/2 MILE PRIOR TO US 151 OFF-RAMP (RIGHT SHOULDER)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
53	I-41 SB, N. OF US 151, PLACE 1/2 MILE PRIOR TO US 151 OFF-RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
54	I-41 SB, N. OF US 151, COVER EXISTING TYPE I E1-1A SIGN AS SHOWN			1	100						1	1		
55	I-41 SB, N. OF US 151, PLACE LEFT OF EXISTING TYPE I E1-1A SIGN	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
56	I-41 SB, N. OF US 151, PLACE ACROSS FROM SIGN #55 IN MEDIAN	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
	PAGE SUBTOTALS			38		3,200	0	0	0.0	0		2	4	

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
57	US 151 WB, N. OF US 45 OVERPASS, COVER EXISTING TYPE I E1-1A SIGN AS SHOWN			1	100	100								
58	US 151 WB, N. OF US 45 OVERPASS, PLACE LEFT OF EXISTING TYPE I E1-1A SIGN	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
59	US 151 WB, N. OF US 45 OVERPASS, PLACE ACROSS FROM SIGN #58 IN MEDIAN	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
60	US 151 WB, N. OF US 45 OVERPASS, PLACE 1/2 MILE N. OF US 45 EXIT RAMP (RIGHT SHOULDER)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
61	US 151 WB, N. OF US 45 OVERPASS, PLACE 1/2 MILE N. OF US 45 EXIT RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
62	US 45, S. OF US 151, PLACE ON RIGHT SHOULDER, FIELD DETERMINED	PCMS		1	100					7				7 DAYS PRIOR TO START OF PROJECT
63	US 151 EB, S. OF MARTIN RD, COVER EXISTING TYPE I E1-1A SIGN AS SHOWN			1	100						1	1		COVER "SOUTH US 45"
64	US 151 WB, N. OF MARTIN RD, PLACE 550' N. OF MARTIN RD INTERSECTION	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
65	US 151 WB, S. OF US 45 ON-RAMP, PLACE RIGHT OF EXISTING J4-2 SIGN	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
66	US 151 EB, AT OFF-RAMP TO US 45, COVER EXISTING TYPE I E6-1 SIGN AS SHOWN			1	100						1	1		COVER "SOUTH US 45"
67	US 151 EB OFF-RAMP TO US 45, COVER EXISTING D1-62 SIGN AS SHOWN			1	100						1		1	COVER "US 45 SOUTH"
68	PARK AVE, E. OF CTH V, PLACE 150' E. OF CTH V ROUNDABOUT	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	W 20-2A	48"X48"	1	100	100								
69	PARK AVE, E. OF CTH V, COVER EXISTING D1-62 SIGN AS SHOWN			1	100						1		1	COVER "US 45 SOUTH"
70	PARK AVE, E. OF CTH V, PLACE RIGHT OF EXISTING D1-62 SIGN	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								RIGHT
71	PARK AVE ROUNDABOUT, PLACE SIGN ABOVE EXISTING D1-1 ON EXIT LEG TO PARK AVE	MO 4-8		1	100	100								
	"	M 3-3		1	100	100								
	"	M 1-4		1	100	100								45
	"	MO 6-2		1	100	100								TILT LEFT
72	PARK AVE ROUNDABOUT, PLACE SIGN ABOVE EXISTING D1-2 ON EXIT LEG TO US 151 WB	MO 4-8		1	100	100								
	"	M 3-3		1	100	100								
	"	M 1-4		1	100	100								45
	"	MO 6-2		1	100	100								TILT RIGHT
73	PARK AVE ROUNDABOUT, COVER EXISTING D1-2 AS SHOWN ON EXIT LEG TO US 45/PARK AVE			1	100						1		1	COVER "US 45 SOUTH"
74	US 45, E. OF US 151 OFF-RAMP ROUNDABOUT, COVER EXISTING J4-1 SIGN AS SHOWN			1	100						1		1	COVER "SOUTH US 45"
	PAGE SUBTOTALS			44		3,700	0	0	0.0	7		2	4	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 100 DAYS	643.0900 **** TRAFFIC CONTROL SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 FIXED MESSAGE SIGN S.F.	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
75	US 45/PARK AVE, E. OF US 151 OFF-RAMP ROUNDABOUT, PLACE 250' PRIOR TO US 151 RAMP ROUNDABOUT	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 6-1	21"X21"	1	100	100								LEFT
76	US 45/PARK AVE, E. OF US 151 OFF-RAMP ROUNDABOUT, PLACE 750' PRIOR TO US 151 RAMP ROUNDABOUT	MO 4-8	24"X12"	1	100	100								
	"	M 3-3	24"X12"	1	100	100								
	"	M 1-4	24"X24"	1	100	100								45
	"	MO 5-1L	21"X21"	1	100	100								
77	US 151 WB OFF-RAMP TO US 45, COVER EXISTING D1-62 SIGN AS SHOWN			1	100						1		1	COVER "SOUTH US 45"
78	US 151 WB OFF-RAMP TO US 45, COVER EXISTING TYPE I E6-1 SIGN AS SHOWN			1	100						1	1		COVER "SOUTH US 45"
79	US 45/PARK AVE, W. OF FOND DU LAC AVE, COVER EXISTING J2-1 SIGN AS SHOWN			1	100						1		1	COVER "SOUTH US 45 ADV RT"
80	US 151 WB, S. OF US 45 OVERPASS, PLACE AT TAPER POINT TO EXIT RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
81	US 151 WB, S. OF US 45 OVERPASS, PLACE AT TAPER POINT TO EXIT RAMP (MEDIAN)	MO 4-8	36"X18"	1	100	100								
	"	M 3-3	36"X18"	1	100	100								
	"	M 1-4	36"X36"	1	100	100								45
	"	MO 6-1	30"X30"	1	100	100								AHEAD
82	FOND DU LAC AVE, AT US 45 INTERSECTION, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 4-8	24"X12"	1	100	100								
	"	MO 6-1	21"X21"	1	100	100								RIGHT
83	US 45, AT PARK AVE INTERSECTION, PLACE ON RIGHT SHOULDER	R 11-3	60"X30"	1	100	100								0.1 MILES AHEAD
	"	M 4-9R	30"X24"	1	100	100								
84	US 45/PARK AVE, AT FOND DU LAC AVE INTERSECTION, COVER EXISTING J3-1 SIGN AS SHOWN			1	100						1		1	COVER "SOUTH US 45 RT"
85	US 45, S. OF US 151, COVER EXISTING J4-1 SIGN AS SHOWN			1	100						1		1	COVER "SOUTH US 45"
	PAGE SUBTOTALS			25		2,000	0	0	0.0	0		1	4	
	PROJECT TOTALS			**230**		**20,600**	**100**	**200**	**123.5**	**14**		**7**	**14**	

**** ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

PROJECT NUMBER 4110-26-21 - 4.01
SHEET SHEET 2 OF 2
AMENDMENT NO:___

To print PDF so TLEs show up:
File
Print
select printer
Advanced
select Print As Image
OK
set document size
OK
Print

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

4110-26-21

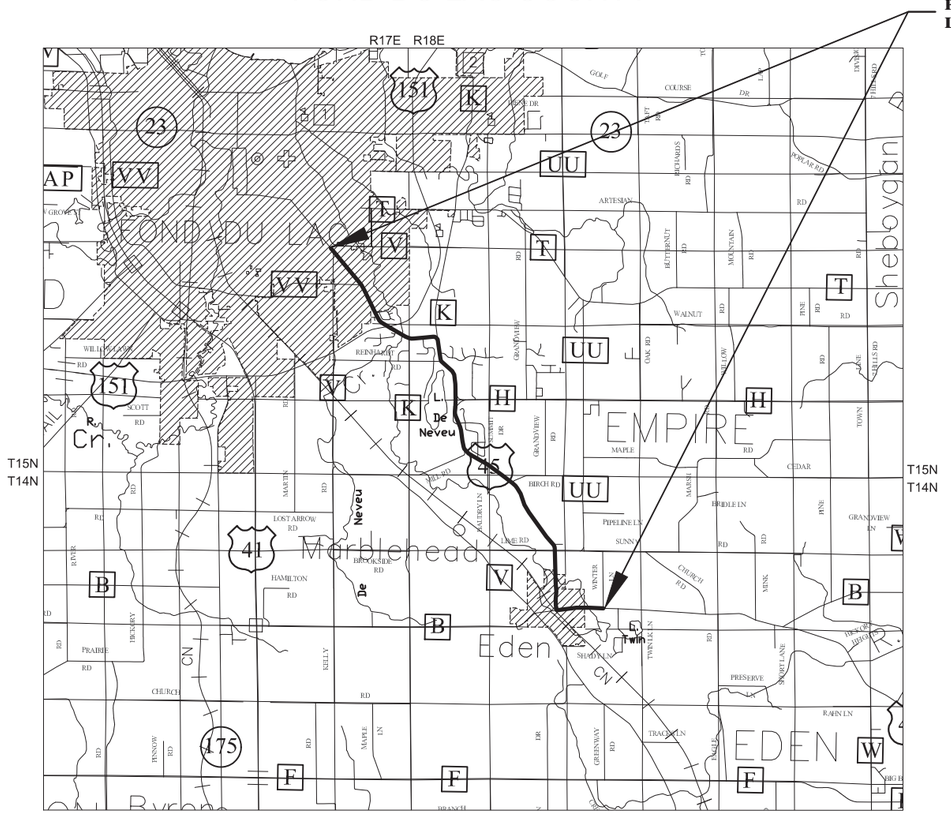
EDEN TO FOND DU LAC

USH 45

FOND DU LAC COUNTY







LAYOUT
SCALE 0 1 MI.

NOTES:

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN GREEN BAY.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, FOND DU LAC COUNTY, NAD 83 (2007) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1-INCH BY 24-INCH IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONS FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE'S EXPIRE AT THE COMPLETION OF THE PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN GREEN BAY.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	CURVE DATA	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	● (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	○ ◄(SET)	PROPERTY LINE	
R/W STANDARD	△ ▲(SET)	LOT & TIE LINES	
SIGN	SIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		ACCESS RESTRICTED (BY ACQUISTION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
HIGHWAY EASEMENT		SECTION LINE	
TLE BEND POINT	102	QUARTER LINE	
EXISTING R/W BEND POINT	102	SIXTEENTH LINE	
EXISTING MONUMENT	102	EXISTING CENTERLINE	
R/W BOUNDARY POINT	RWB20	PROPOSED REFERENCE LINE	
PARCEL NUMBER	102	PARALLEL OFFSET	
UTILITY PARCEL NUMBER	92		
UTILITY EASEMENT NUMBER	1		
SIGN NUMBER (OFF PREMISE)	21		
BUILDING			

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP TITLE.DWG
APPRAISAL PLAT DATE : _____

PLOT DATE : 4/2/2015 2:55 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK

_____ _____ 4.___

94

130
1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

DOC# 1053244

Recorded
May 28, 2015 1:42 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $30.00

This Affidavit of Correction applies to Transportation Project Plat 4110-26-21-4.05, recorded in Document Number 1052653 on May 15, 2015, in the Office of the Register of Deeds for Fond du Lac County.

AFFIANT makes this Affidavit for the purpose of correcting the document above as follows:

The location description shown under the heading refers to Section 8, T14N, R8E.

It should refer to Section 8, T14N, **R18E.**

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
N/A

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Carolyn J Sampson
(Signature)

Carolyn J Sampson
(Print Name)

Right of Way Plat Coordinator
(Title)

Subscribed and sworn to before me this date.

5-22-15
(Date)

State of Wisconsin)
) ss.
Brown County)

Ruth A Johnson
(Signature, Notary Public, State of Wisconsin)

Ruth A Johnson
(Print or Type Name, Notary Public, State of Wisconsin)

4-17-17
(Date Commission Expires)

Seal(s)

Project ID 4110-26-21 This instrument was drafted by WisDOT Parcel No. N/A

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.05

THAT PART OF LOT 1, CSM 5657 LOCATED IN AND INCLUDING PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER, VILLAGE OF EDEN, AND THAT PART OF LOT 1, CSM 4457, LOT 1, CSM 6587, LOCATED IN AND INCLUDING PART OF NORTHEAST QUARTER OF THE NORTHEAST QUARTER, AND THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER, TOWN OF EDEN; ALL LOCATED IN SECTION 8, T14N, R8E, FOND DU LAC COUNTY, WISCONSIN

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

W E

S

SCALE, FEET

0 100 200

DOC# 1052653

Recorded
May 15, 2015 9:27 AM
SUSAN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

95

Recorded this 15th day of May 2015 at 9:27AM in VOL 18 Pg. 41 Doc # 1052653
Susan H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.05
AMENDMENT NO:...

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 4457, CSM 6587	1993, 2003
LIME RD	CSM 1036, 3460, 6762	1974, 1987, 2004

BERNTSEN MONUMENT FOUND
Y = 358880.046
X = 837157.577

STA 271+49.07
Y:358858.370
X:839120.539

N89°22'02"W 1963.08' S89°22'02"E

2655.48' (CORNER TO CORNER) S89°22'02"E 692.40'

LIME RD

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

BERNTSEN MONUMENT FOUND
Y = 358850.725
X = 839812.897

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
67	RALPH A. FLEISCHMANN	FEE TLE	0.01 AC	---	0.01 AC	0.07 AC
68	ROBERT J. GUELIG & KATHERINE A. GUELIG	TLE	---	---	---	0.04 AC
69	GUELIG WASTE REMOVAL AND DEMOLITION, LLC, PURCHASER, AND EDEN & FOND DU LAC VETERINARY CLINIC LTD,. VENDER,	FEE TLE	0.12 AC	---	0.12 AC	0.22 AC.
71	ROBERT J. GUELIG	FEE TLE	0.12 AC	---	0.12 AC	0.16 AC
72	JED JOSEPH MARTIN	FEE	0.01 AC	---	0.01 AC	---
73	IDUNA RENTAL, LLC	FEE	0.02 AC	---	0.02 AC	---
76	WILLAM F. SMITH	FEE	140 SQ FT	---	140 SQ FT	---

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
301	VILLAGE OF EDEN	RELEASE OF RIGHTS
302	WE ENERGIES (ELECTRICAL)	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

ROW MONUMENT TABLE

PT#	STATION	OFFSET	DESC.	Y	X
590	251+73.00	33.19'	ROW	356881.954	839134.958
593	251+32.00	32.78'	ROW	356843.207	839202.275
748	271+03.71	33.00'	ROW	358813.003	839153.531
760	248+61.93	35.70'	ROW	356569.129	839145.299
767	246+23.57	35.47'	ROW	356330.293	839183.914
909	246+03.77	34.00'	ROW	356324.210	839255.896
911	247+00.00	34.00'	ROW	356418.650	839237.408
944	244+81.33	34.00'	ROW	356196.182	839268.629
979	254+55.00	33.00'	ROW	357163.822	839125.640
981	258+50.00	33.00'	ROW	357558.606	839112.590
984	258+85.00	50.00'	ROW	357593.025	839094.442
986	259+20.00	33.00'	ROW	357628.568	839110.277
1121	259+25.00	33.00'	ROW	357635.746	839176.076
1125	259+00.00	55.00'	ROW	357611.486	839198.890
1126	258+80.00	55.00'	ROW	357591.497	839199.550
1135	258+60.00	33.00'	ROW	357570.781	839178.223
2010	253+60.00	33.00'	ROW	357071.081	839194.788
1704	252+20.00	60.00'	ROW	356928.021	839106.573
1705	252+45.00	60.00'	ROW	356953.006	839105.728
1711	252+20.00	65.00'	ROW	356932.246	839231.502
1712	252+50.00	65.00'	ROW	356962.229	839230.488
1718	254+00.00	55.00'	ROW	357108.087	839105.486
1719	252+50.00	55.00'	ROW	356958.173	839110.557
2010	253+60.16	32.95'	ROW	357071.239	839194.736
2059	247+45.00	45.00'	ROW	356463.900	839240.212
2062	247+69.97	27.23'	ROW	356485.122	839218.790
2081	271+34.20	46.93'	ROW	358843.512	839073.608
2082	271+14.00	33.00'	ROW	358823.306	839087.533
2105	265+08.66	33.00'	ROW	358219.088	839156.792
2106	267+12.56	33.00'	ROW	358421.856	839153.460
2107	267+12.56	33.00'	ROW	358421.868	839087.460
2108	265+08.66	33.00'	ROW	358216.908	839090.828
2122	248+58.17	30.19'	ROW	356571.309	839211.263
2123	246+96.52	38.05'	ROW	356401.395	839167.367
2125	244+82.32	33.85'	ROW	356196.792	839200.791

TLE POINT TABLE

PT#	STATION	OFFSET	DESC.
595	248+65.00	35.53'	TLE
596	247+45.01	38.85'	TLE
738	248+80.00	34.78'	TLE
740	246+50.00	36.41'	TLE
1141	244+95.00	50.00'	TLE
1142	245+05.00	60.00'	TLE
1144	245+75.00	55.00'	TLE
1173	246+03.77	55.00'	TLE
1686	246+03.77	45.00'	TLE
1687	246+50.00'	45.00'	TLE
1692	248+65.00'	55.00'	TLE
1695	247+45.00'	55.00'	TLE
1701	248+80.00'	45.00'	TLE
2007	249+90.00	35.00'	TLE
2009	249+00.00	40.00'	TLE
2013	251+70.00	50.00'	TLE
2015	251+25.00	85.00'	TLE
2017	250+45.00	55.00'	TLE
2018	249+50.00	55.00'	TLE
2020	249+50.00	45.00'	TLE
2064	248+10.00	50.00'	TLE
2066	247+50.00	70.00'	TLE
2068	246+99.93	65.04'	TLE
2069	246+75.00	55.00'	TLE
2071	251+38.07	35.00'	TLE
2090	251+55.00	75.00'	TLE

LINE TABLE

FROM-TO	BEARING	DISTANCE
944-909	CURVE	
909-911	N11°04'34"W	96.23'
911-2059	N03°32'44"E	45.34'
2059-2062	N45°16'10"W	30.15'
2062-2122	CURVE	
2122-593	N01°53'36"W	272.05'
593-1711	N18°10'22"E	93.71'
1711-1712	N01°56'13"W	30.00'
1712-2010	N18°09'28"W	114.72'
2010-1135	N01°53'36"W	499.81'
1135-1126	N45°49'59"E	29.73'
1126-1125	N01°53'36"W	20.00'
1125-1121	N43°14'28"W	33.30'
2081-2082	S34°34'27"E	24.54'
986-984	S24°00'48"W	38.91'
984-981	S27°47'59"E	38.91'
981-979	S01°53'36"E	395.00'
979-1718	S19°52'47"W	59.27'
1718-1719	S01°56'13"E	150.00'
1719-1705	S43°03'47"W	7.07
1705-1704	S01°56'14"E	25.00'
1704-590	S31°38'22"E	54.11'
590-760	S01°53'36"E	313.00'
760-2123	CURVE	
2123-767	S13°05'56"E	73.00'
767-2125	CURVE	
2125-944	S89°29'05"E	67.84'

LINE BEARING TABLE

LINE	BEARING	DISTANCE
L-1	N00°00'37"E	45.00'
L-2	N89°22'02"W	79.93'
L-3	S00°00'38"W	15.38'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1048	262+55.88	33.09'	1" IRON PIPE
1049	262+74.18	37.27'	1" IRON PIPE
1052	258+19.63	33.07'	1" IRON PIPE

CURVE TABLE

FROM-TO	LC BEARING	ARC	CHORD	RADIUS
944-909	N05°40'47"W	128.85'	128.66'	684.00'
2062-2122	N04°59'29"W	86.56'	86.52'	800.43'
CURVE 1	N00°56'29"W	202.80'	202.80'	6103.71'
CURVE 2	S00°56'29"E	205.00'	204.99'	6169.71'
760-2123	S07°29'46"E	169.45'	169.18'	866.43'
767-2125	S07°12'17"E	134.80'	134.56'	655.18'

CURVE A
PI 245+42.96
Y 356257.650
X 839234.280
Δ 10°45'05"
R 650.00'
T 61.16'
L 121.97'
LC 121.79'
LCB N05°42'02"W

CURVE B
PI 248+25.76
Y 356535.532
X 839179.882
Δ 9°08'21"
R 1470.00'
T 117.49'
L 234.48'
LC 234.23'
LCB N06°30'24"W

CURVE C
PI 266+10.62
Y 348319.902
X 839120.441
Δ 01°54'13"
R 6136.71'
T 101.96'
L 203.90'
LC 203.89'
LCB N00°56'29"W

TOWN OF EDEN
SECTION 8 NE-NE

VILLAGE OF EDEN
SECTION 8 SE-NE

TOWN OF EDEN
SECTION 8 SE-NE

USH 45

LIME RD

PT 267+12.56
Y:358421.862
X:839120.460

PC 265+08.66
Y:358217.398
X:839123.810

PI 254+20.96
Y:357130.886
X:839159.741

PT 249+42.75
Y:356652.953
X:839175.911

PC 247+08.27
Y:356420.233
X:839202.453

PC STA 244+81.80
Y:356196.488
X:839234.627

PT 246+03.77
Y:356317.678
X:839222.529

LOT 1 CSM 6587, VOL. 45, PGS 82-82C, DOC NO. 806825

LOT 1 CSM 4457, VOL. 25, PGS 100-100A, DOC NO. 539970

LOT 1 CSM 5657, VOL. 36, PGS 43-45C, DOC NO. 665248

WE ENERGIES VOL. 226, PG 136 DOC. NO. 247865 VOL. 241, PG 207, DOC NO. 187107

20' GAS EASEMENT WE ENERGIES F.K.A. WISCONSIN POWER & LIGHT VOL. 545, PG 502-503, DOC. NO. 295080

20' GAS EASEMENT WE ENERGIES F.K.A. WISCONSIN POWER & LIGHT VOL. 545, PG 502-503, DOC. NO. 295080

WELL AGREEMENT VOL. 290, PG 405 DOC. NO. 418629

WE ENERGIES VOL. 226, PG 308 DOC. NO. 242035

30' SANITARY SEWER EASEMENT VILLAGE OF EDEN VOL 1439, PG 229-232, DOC. NO. 660358

12' UNDERGROUND DISTRIBUTION EASEMENT. WE ENERGIES F.K.A. WISCONSIN POWER COMPANY VOL 2056, PG 660-662 DOC. NO. 875056

TLE FOR SLOPING

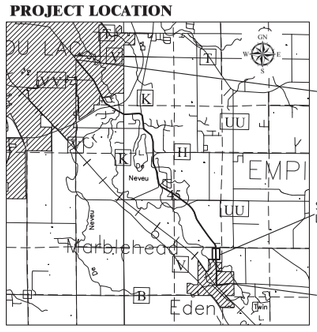
NOTE:
EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 5657, RECORDED IN VOL 36, PAGES 45-45C, DOCUMENT NO 665248 AND CSM 6587, RECORDED IN VOL 45, PAGES 82-82B, DOCUMENT NO. 806825.

COMPUTED
Y = 356214.915
X = 837185.218

N89°29'05"W 2658.53' (CORNER TO CORNER) N89°29'05"W 609.02' (TO R/L) N89°29'05"W 515.03'

BERNTSEN MONUMENT FOUND
Y = 356191.012
X = 839843.639

PROJECT LOCATION



OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM

PLOT DATE : 5/1/2015 2:47 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK

FILE NAME : F:\TRJOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RWE1991TPP SHEET4.06-4.07.DWG

APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.06

THAT PART OF LOT 1, CSM 971, LOT 1, CSM 1036, LOT 1, CSM 2909, LOT 3, CSM 6762, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

W E

S

SCALE, FEET

0 100 200

DOC# 1052654

Recorded
May 15, 2015 9:32 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

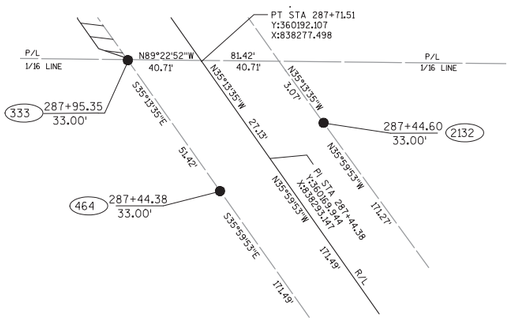
96

Recorded this 15th day of May 2015 at 9:32AM in VOL 18 Pg. 42 Doc # 1052654
Shawn H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.06
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

DETAIL A



TOWN

SECTION 5 NW-SE

SECTION 5 NE-SE

SECTION 5 SE-SE

SECTION 5 SW-SE

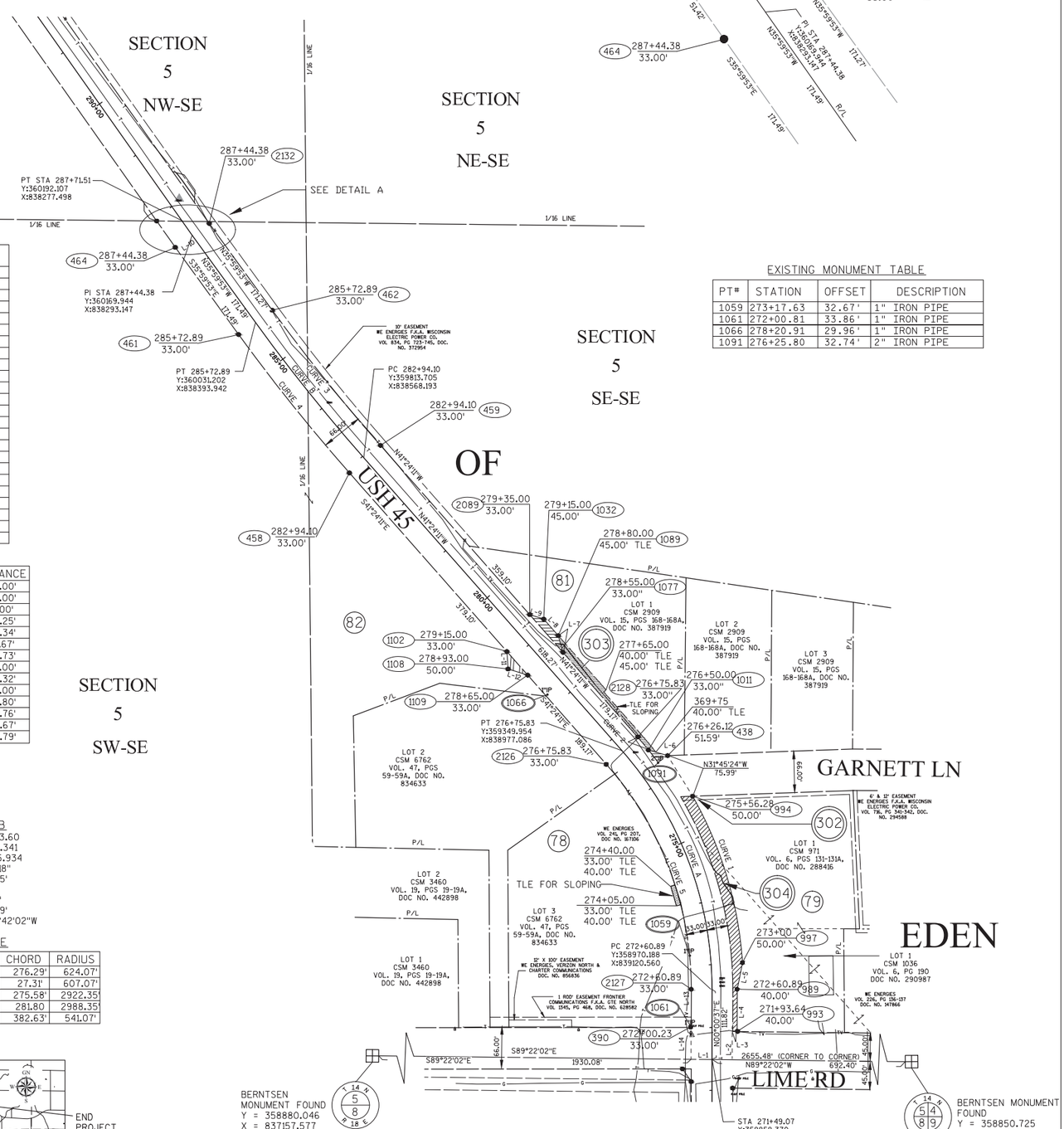
OF

USH 45

GARNETT LN

EDEN

LIME RD



ROW MONUMENT TABLE

PT#	Y	X
333	360192.547	838236.790
390	358909.524	839087.548
438	359341.943	839049.810
458	359791.881	838543.440
459	359835.530	838592.945
461	360011.806	838367.244
462	360050.598	838420.640
464	360150.548	838266.449
989	358970.183	839160.559
993	358902.931	839160.547
994	359277.326	839089.807
997	359012.665	839169.119
1011	359350.894	839019.434
1032	359559.114	838852.662
1077	359506.173	838883.342
1089	359532.861	838875.809
1102	359507.529	838794.156
1108	359479.784	838795.954
1109	359470.025	838827.223
2089	359566.179	838830.434
2126	359328.130	838952.333
2127	358970.194	839087.560
2128	359371.779	839001.838
2132	360189.161	838319.976

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1059	273+17.63	32.67'	1" IRON PIPE
1061	272+00.81	33.86'	1" IRON PIPE
1066	278+20.91	29.96'	1" IRON PIPE
1091	276+25.80	32.74'	2" IRON PIPE

LINE TABLE

FROM-TO	BEARING	DISTANCE
L-1	S89°22'02"E	66.00'
L-2	N00°00'37"E	45.00'
L-3	S89°22'02"E	7.00'
L-4	N00°00'37"E	67.25'
L-5	N11°23'32"E	43.34'
L-6	N73°34'53"W	31.67'
L-7	N15°45'43"W	27.73'
L-8	N41°24'11"W	35.00'
L-9	N72°22'00"W	23.32'
L-10	S54°00'07"W	66.00'
L-11	S03°42'31"E	27.80'
L-12	S72°40'00"E	32.76'
L-13	S00°00'37"W	60.67'
L-14	S00°00'37"W	50.79'

CURVE A

PI 274+77.89
Y 359187.188
X 839120.600
Δ 41°24'48"
R 574.07'
T 217.00'
L 414.94'
LC 405.96'
LCB N20°41'47"W

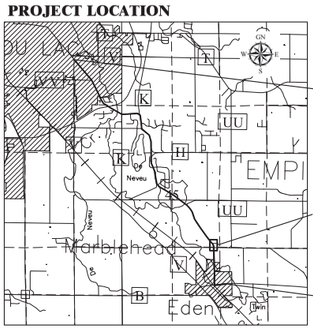
CURVE B

PI 284+33.60
Y 359918.341
X 838475.934
Δ 05°24'18"
R 2955.35'
T 139.50'
L 278.79'
LC 278.69'
LCB N38°42'02"W

CURVE TABLE

FROM-TO	BEARING	ARC	CHORD	RADIUS
CURVE 1	N16°40'56"W	278.60'	276.29'	624.07'
CURVE 2	N40°06'51"W	27.31'	27.31'	607.07'
CURVE 3	N38°42'02"W	275.68'	275.58'	2922.35'
CURVE 4	S38°42'02"E	281.91'	281.80	2988.35'
CURVE 5	S20°41'47"E	391.09	382.63'	541.07'

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES (ELECTRICAL)	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CSM 971, 1036, 2909, 6762 CENTERLINE SURVEY	1974, 1974 1983, 2004
GARNETT LN	CSM 971, 2909	1974, 1983
LIME RD	CSM 1036, 3460, 6762	1974, 1987, 2004

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
78	DAVID J. HERNANDEZ & DENISE M. HERNANDEZ	TLE	---	---	---	229 SQ FT
79	THOMAS D. CAVES & SHERRY L. CAVES	FEE	0.13 AC	---	0.13 AC	---
81	PATRICK H. MCNAMEE & KATHRYN H. MCNAMEE	FEE TLE	0.02 AC	---	0.02 AC	0.05 AC.
82	MICHAEL G. TIMBLIN & AMY R. TIMBLIN	FEE	0.01 AC	---	0.01 AC	---

PLOT DATE : 5/1/2015 2:52 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
FILE NAME : F:\TRJOBS\E1991A11\CIVIL 3D 2012\RWX\E1991TPP SHEET4.06-4.07.DWG
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.07 AMENDMENT NO.3

REMOVES UTILITY NUMBER 303 AND AMENDS UTILITY NUMBER 304 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 RECORDED IN VOLUME 18, PAGE 43 OF TRANSPORTATION PROJECT PLATS, DOCUMENT NO. 1052655

THAT PART OF LOT 1, CSM 6781, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, AND PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, AND PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

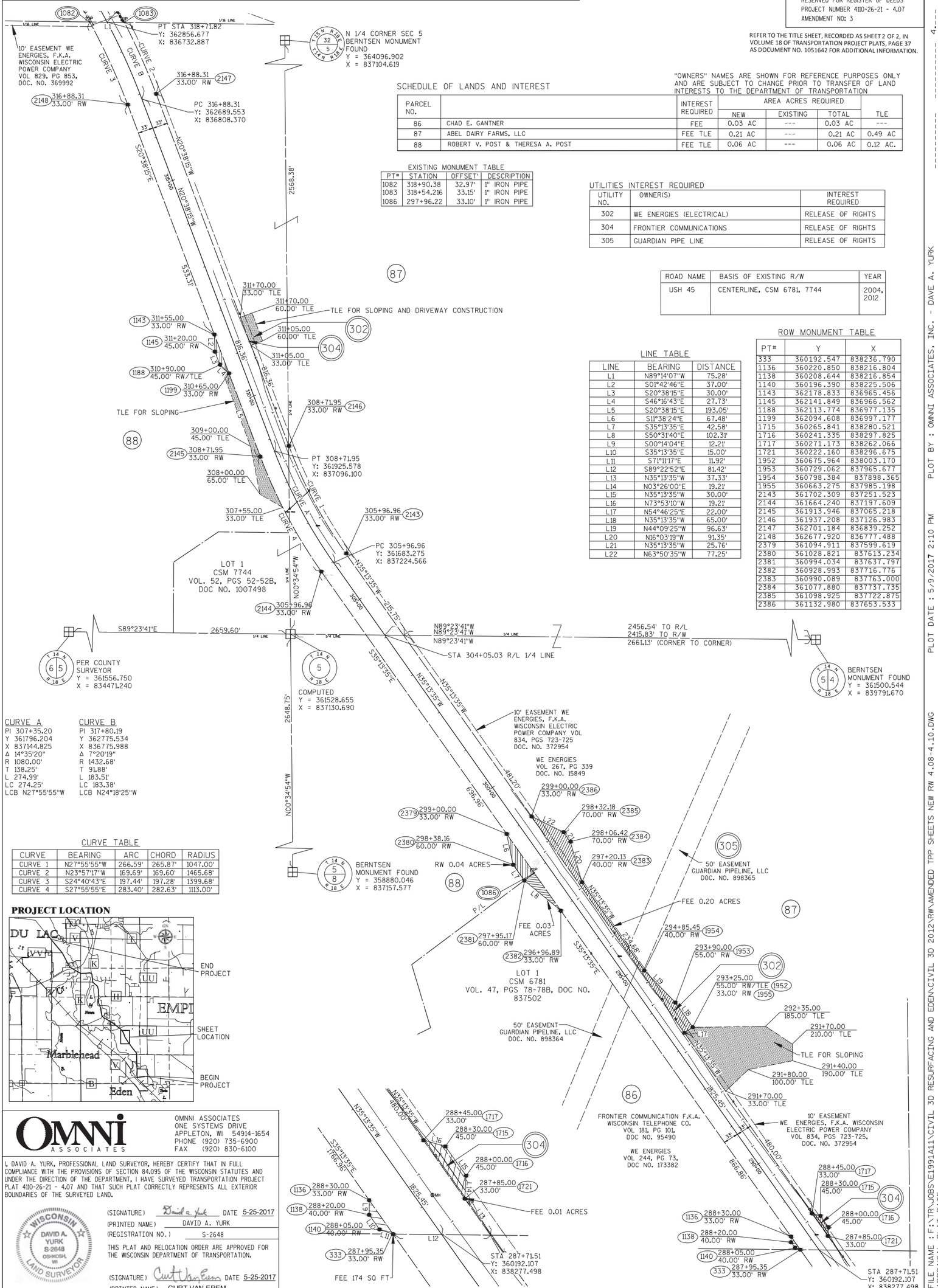
SCALE, FEET
0 100 200

DOC# 1084993
Recorded
June 06, 2017 2:26 PM
JAMES M KREBS
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00
97

Recorded this 6th day of June, 2017 at 2:26 PM In VOL. 18 Pg. 98 Doc # 1084993
James M Krebs
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.07
AMENDMENT NO: 3

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.



SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
86	CHAD E. GANTNER	FEE	0.03 AC	---	0.03 AC	---
87	ABEL DAIRY FARMS, LLC	FEE TLE	0.21 AC	---	0.21 AC	0.49 AC
88	ROBERT V. POST & THERESA A. POST	FEE TLE	0.06 AC	---	0.06 AC	0.12 AC.

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET'	DESCRIPTION
1082	318+90.38	32.97'	1" IRON PIPE
1083	318+54.216	33.15'	1" IRON PIPE
1086	297+96.22	33.10'	1" IRON PIPE

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES (ELECTRICAL)	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
305	GUARDIAN PIPE LINE	RELEASE OF RIGHTS

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 6781, 7744	2004, 2012

LINE TABLE

LINE	BEARING	DISTANCE
L1	N89°14'07"W	75.28'
L2	S01°42'46"E	37.00'
L3	S20°38'15"E	30.00'
L4	S46°16'43"E	27.73'
L5	S20°38'15"E	193.05'
L6	S11°38'24"E	67.48'
L7	S35°13'35"E	42.58'
L8	S50°31'40"E	102.31'
L9	S00°14'04"E	12.21'
L10	S35°13'35"E	15.00'
L11	S71°11'17"E	11.92'
L12	S89°22'52"E	81.42'
L13	N35°13'35"W	37.33'
L14	N03°26'00"E	19.21'
L15	N35°13'35"W	30.00'
L16	N73°53'10"W	19.21'
L17	N54°46'25"E	22.00'
L18	N35°13'35"W	65.00'
L19	N44°09'25"W	96.63'
L20	N16°03'19"W	91.35'
L21	N35°13'35"W	25.76'
L22	N63°50'35"W	77.25'

ROW MONUMENT TABLE

PT#	Y	X
333	360192.547	838236.790
1136	360220.850	838216.804
1138	360208.644	838216.854
1140	360196.390	838225.506
1143	362178.833	836965.456
1145	362141.849	836966.562
1188	362113.774	836977.135
1199	362094.608	836997.177
1715	360265.841	838280.521
1716	360241.335	838297.825
1717	360271.173	838262.066
1721	360222.160	838296.675
1952	360675.964	838003.170
1953	360729.062	837965.677
1954	360798.384	837898.365
1955	360663.275	837985.198
2143	361702.309	837251.523
2144	361664.240	837197.609
2145	361913.946	837065.218
2146	361937.208	837126.983
2147	362701.184	836839.252
2148	362677.920	836777.488
2379	361094.911	837599.619
2380	361028.821	837613.234
2381	360994.034	837637.797
2382	360928.993	837716.776
2383	360990.089	837763.000
2384	361077.880	837737.735
2385	361098.925	837722.875
2386	361132.980	837653.533

CURVE A

PI 307+35.20
Y 361796.204
X 837144.825
Δ 14°35'20"
R 1080.00'
T 138.25'
L 274.99'
LC 274.25'
LCB N27°55'55"W

CURVE B

PI 317+80.19
Y 362775.534
X 836775.988
Δ 7°20'19"
R 1432.68'
T 91.88'
L 183.51'
LC 183.38'
LCB N24°18'25"W

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N27°55'55"W	266.59'	265.87'	1047.00'
CURVE 2	N23°57'17"W	169.69'	169.60'	1465.68'
CURVE 3	S24°40'43"E	197.44'	197.28'	1399.68'
CURVE 4	S27°55'55"E	283.40'	282.63'	1113.00'

PROJECT LOCATION

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 5-25-2017
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-25-2017
(PRINTED NAME) CURT VAN EREM

PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
PLOT DATE : 5/9/2017 2:10 PM
FILE NAME : F:\TR-JOBS\1191A11\CIVIL 3D 2012\RW\AMENDED TPP SHEETS NEW RW 4.08-4.10.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.07 AMENDMENT NO. 2

AMENDS PARCEL 87 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 AMENDMENT 1 RECORDED IN VOLUME 18, PAGE 76 OF TRANSPORTATION PROJECT PLATS, DOCUMENT NO. 1060932

THAT PART OF LOT 1, CSM 6781, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, AND PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, AND PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

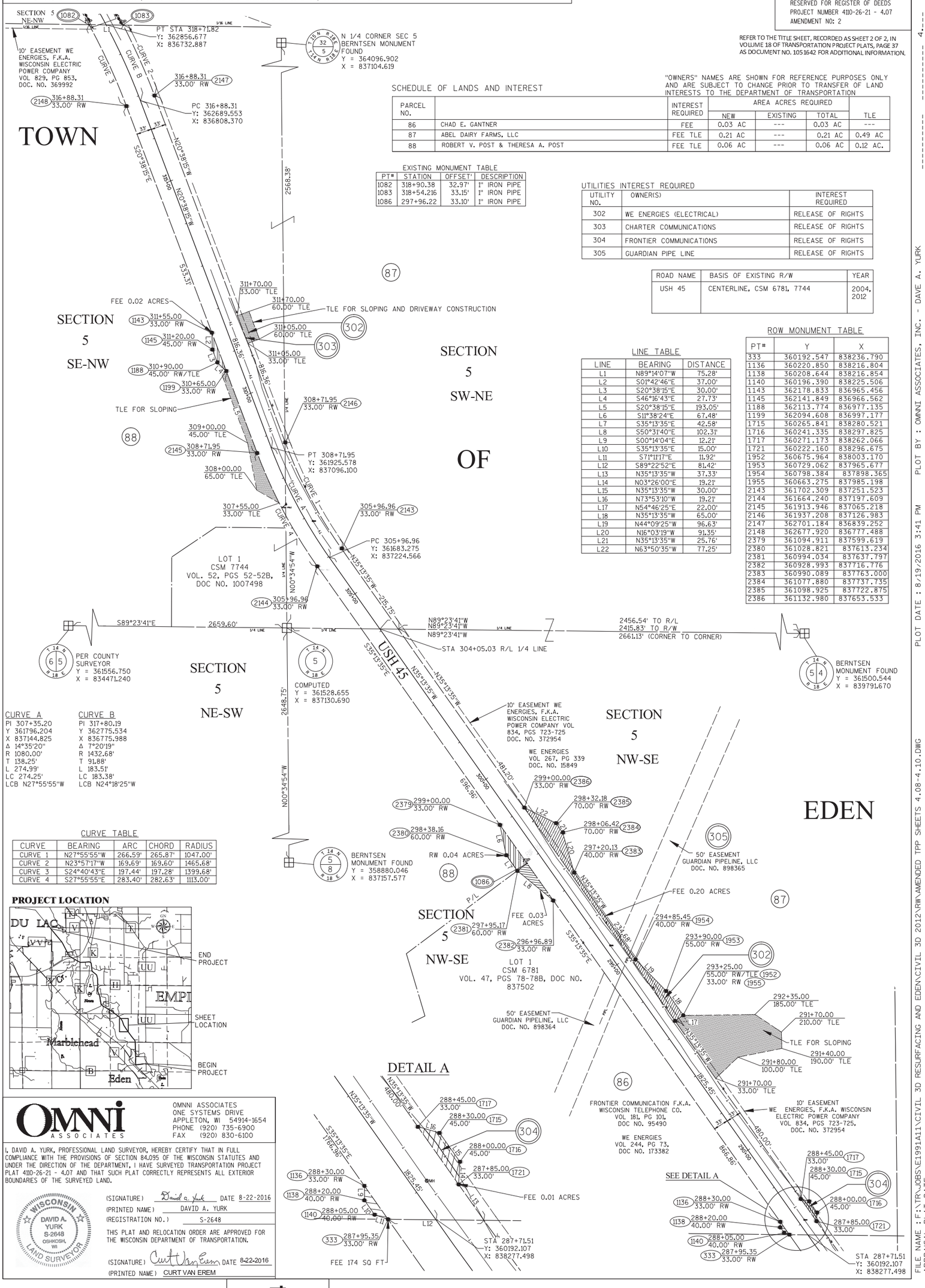
DOC# 1073736
Recorded
September 08, 2016 2:55PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00
98

Recorded this 8th day of September, 2016 at 2:55 PM in VOL. 18 Pg. 88 Doc # 1073736

Shawn M Kelly
Register of Deeds
Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.07
AMENDMENT NO: 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.



SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
86	CHAD E. GANTNER	FEE	0.03 AC	---	0.03 AC	---
87	ABEL DAIRY FARMS, LLC	FEE TLE	0.21 AC	---	0.21 AC	0.49 AC
88	ROBERT V. POST & THERESA A. POST	FEE TLE	0.06 AC	---	0.06 AC	0.12 AC.

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET'	DESCRIPTION
1082	318+90.38	32.97'	1" IRON PIPE
1083	318+54.216	33.15'	1" IRON PIPE
1086	297+96.22	33.10'	1" IRON PIPE

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES (ELECTRICAL)	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
305	GUARDIAN PIPE LINE	RELEASE OF RIGHTS

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 6781, 7744	2004, 2012

LINE TABLE

LINE	BEARING	DISTANCE
L1	N89°14'07"W	75.28'
L2	S01°42'46"E	37.00'
L3	S20°38'15"E	30.00'
L4	S46°16'43"E	27.73'
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L6	S11°38'24"E	67.48'
L7	S35°13'35"E	42.58'
L8	S50°31'40"E	102.31'
L9	S00°14'04"E	12.21'
L10	S35°13'35"E	15.00'
L11	S71°11'17"E	11.92'
L12	S89°22'52"E	81.42'
L13	N35°13'35"W	37.33'
L14	N03°26'00"E	19.21'
L15	N35°13'35"W	30.00'
L16	N73°53'10"W	19.21'
L17	N54°46'25"E	22.00'
L18	N35°13'35"W	65.00'
L19	N44°09'25"W	96.63'
L20	N16°03'19"W	91.35'
L21	N35°13'35"W	25.76'
L22	N63°50'35"W	77.25'

ROW MONUMENT TABLE

PT#	Y	X
333	360192.547	838236.790
1136	360220.850	838216.804
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1140	360196.390	838225.506
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2383	360990.089	837763.000
2384	361077.880	837737.735
2385	361098.925	837722.875
2386	361132.980	837653.533

CURVE A

PI 307+35.20
Y 361796.204
X 837144.825
Δ 14°35'20"
R 1080.00'
T 138.25'
L 274.99'
LC 274.25'
LCB N27°55'55"W

CURVE B

PI 317+80.19
Y 362775.534
X 836775.988
Δ 7°20'19"
R 1432.68'
T 91.88'
L 183.51'
LC 183.38'
LCB N24°18'25"W

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N27°55'55"W	266.59'	265.87'	1047.00'
CURVE 2	N23°57'17"W	169.69'	169.60'	1465.68'
CURVE 3	S24°40'43"E	197.44'	197.28'	1399.68'
CURVE 4	S27°55'55"E	283.40'	282.63'	1113.00'

PROJECT LOCATION

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 8-22-2016
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 8-22-2016
(PRINTED NAME) CURT VAN EREM

PLOT DATE : 8/19/2016 3:41 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
FILE NAME : F:\TR-JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.08-4.10.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.07 AMENDMENT NO. 1

AMENDS PARCELS 86, 87, AND 88 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 RECORDED IN VOLUME 18, PAGE 43 OF TRANSPORTATION PROJECT PLATS, DOCUMENT NO. 1052655

THAT PART OF LOT 1, CSM 6781, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, AND PART OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER, AND PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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GN W E S

SCALE, FEET
0 100 200

DOC# 1060932
Recorded
November 18, 2015 12:58 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 18TH day of November, 2015 at 12:58 PM in VOL. 18 Pg. 76 Doc # 1060932
Shawn H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.07
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

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SCHEDULE OF LANDS AND INTEREST

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PROJECT LOCATION

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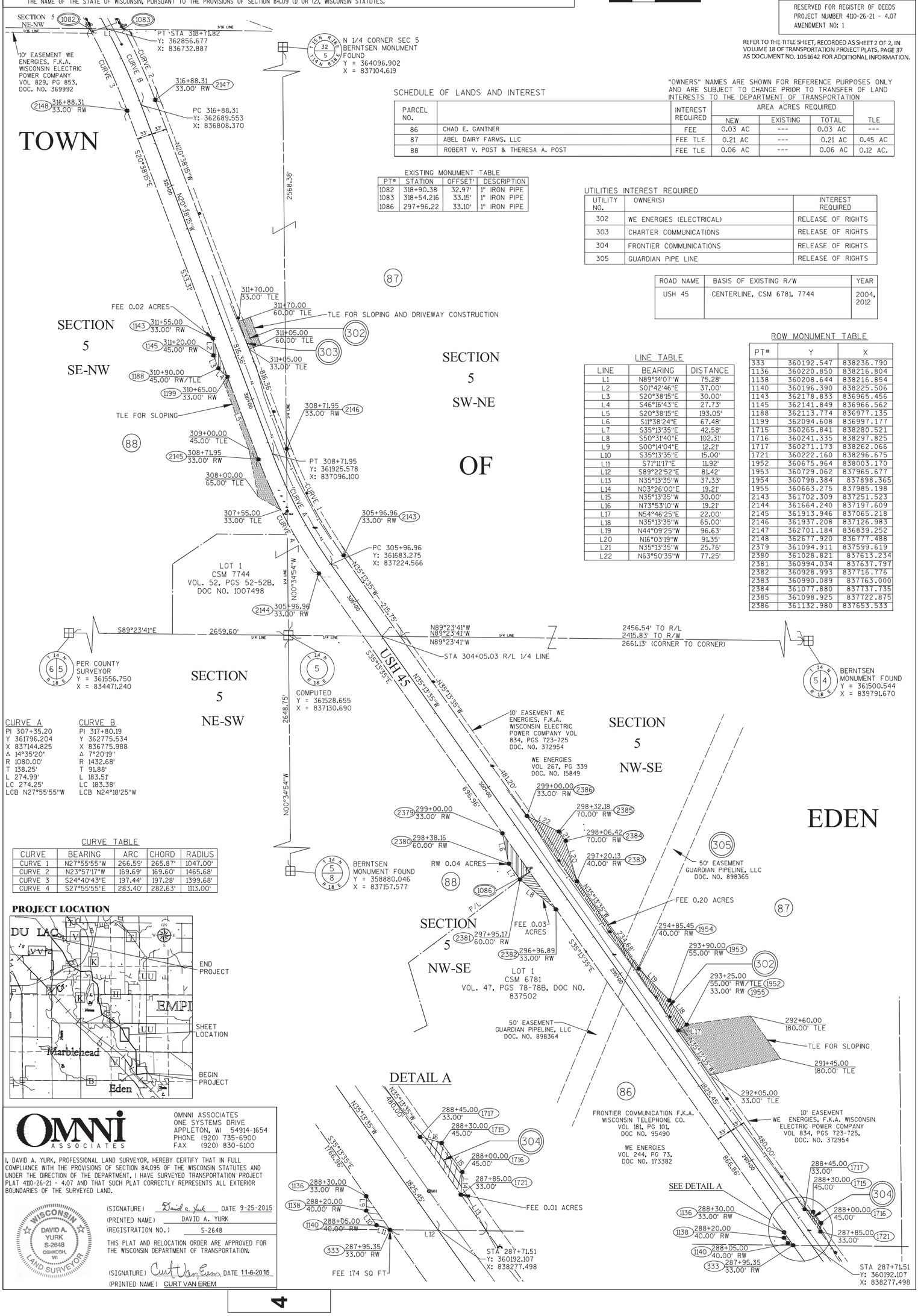
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WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 9-25-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 11-6-2015
(PRINTED NAME) CURT VAN EREM



PLOT DATE : 10/5/2015 1:26 PM PLOT BY : OMNNI ASSOCIATES, INC. - JARED STODDARD
FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.08-4.10.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.07

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GN W E S

SCALE, FEET
0 100 200

DOC# 1052655
Recorded
May 15, 2015 9:38 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: 125.00

Recorded this 15th day of May 2015 at 9:38 AM in VOL. 18 Pg. 43 Doc # 1052655
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.07
AMENDMENT NO:...

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EXISTING MONUMENT TABLE

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FAX (920) 830-6100

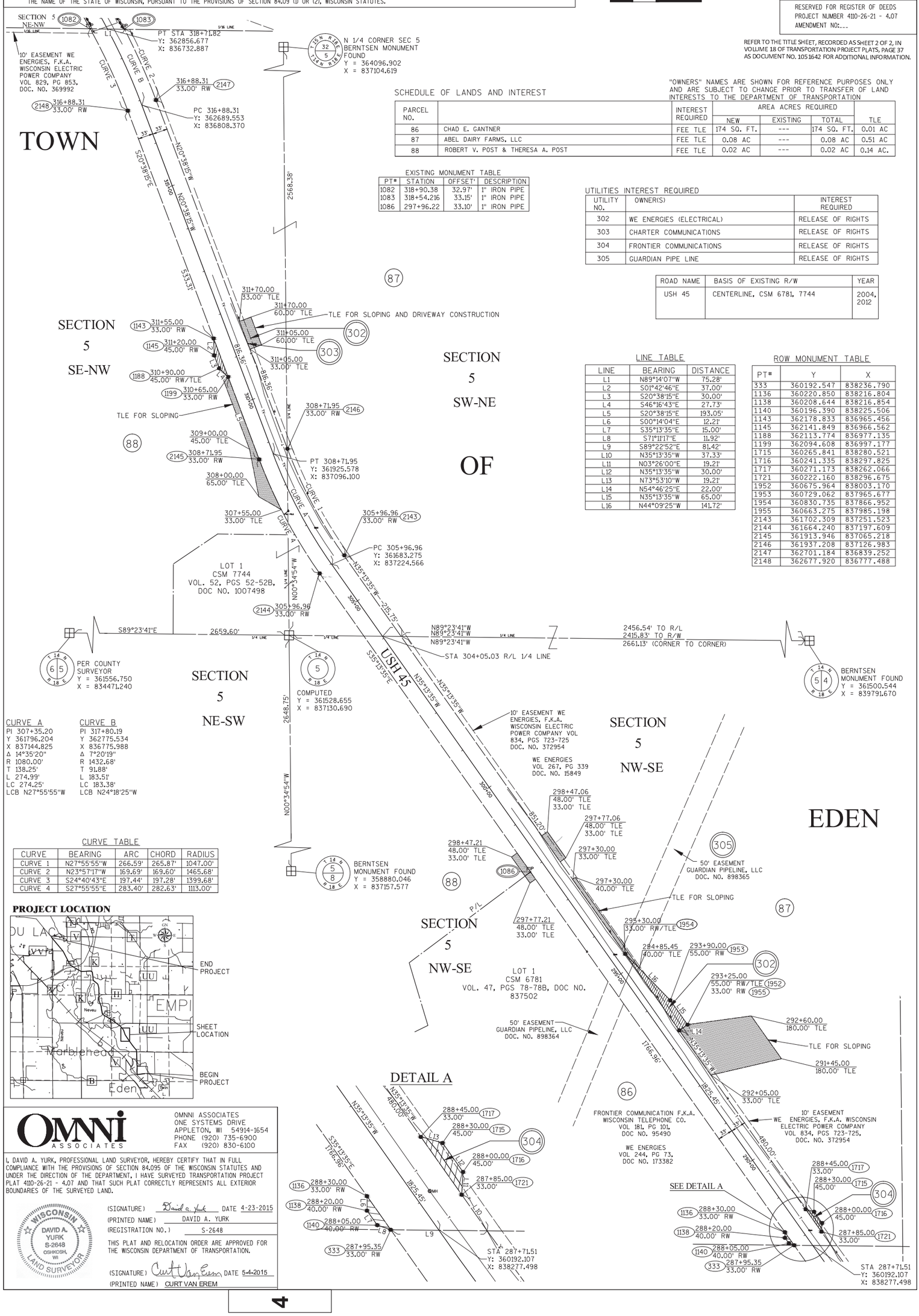
I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM



FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RWX\E1991TPP SHEETS 4.08-4.10.DWG
PLOT DATE : 5/1/2015 3:21 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.08 AMENDMENT NO. 1

ADD UTILITY NUMBER 302, REMOVE UTILITY NUMBER 303 AND AMENDS UTILITY NUMBER 304 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.08 RECORDED IN VOLUME 18, PAGE 44 OF TRANSPORTATION PROJECT PLATS, DOCUMENT NO. 1052656

THAT PART OF LOTS 2 AND 3, CSM 6034, AND LOT 1, CSM 6255, LOCATED IN AND BEING A PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1084995
Recorded
June 06, 2017 2:29 PM
JAMES M KREBS
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

101

Recorded this 6th day of June, 2017 at 2:29 PM in VOL. 18 Pg. 99 Doc # 1084995
James M Krebs
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.08
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

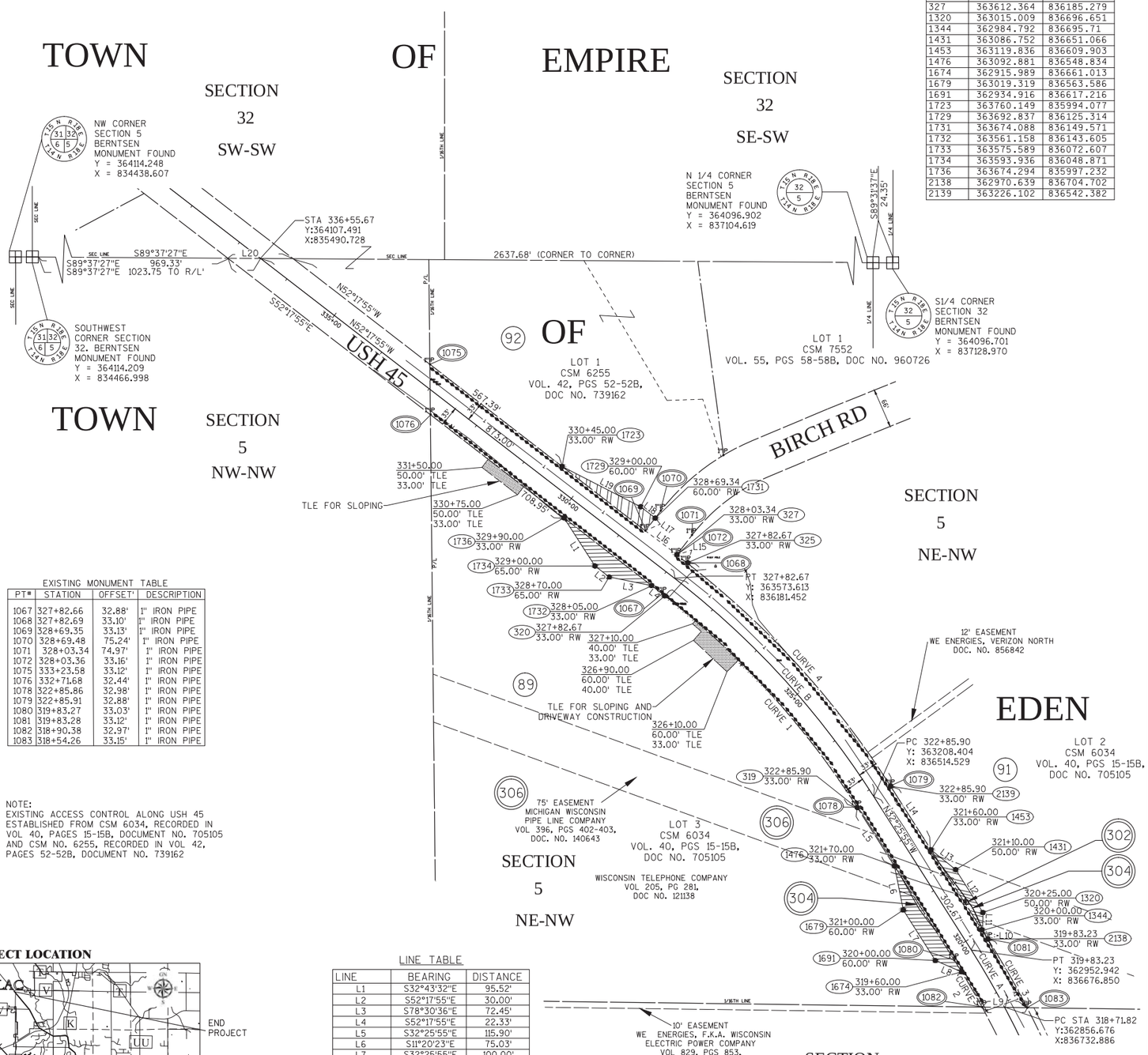
SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
89	ROBERT J. LANGJAHR & KAREN L. LANGJAHR	FEE TLE	0.17 AC	---	0.17 AC	0.08 AC
91	TODD D. SCHAEFER & BRENDA J. SCHAEFER	FEE	0.05 AC	---	0.05 AC	---
92	JIMMY L. LICHMAN & GALE M. LICHMAN	FEE	0.06 AC	---	0.06 AC	---

ROW MONUMENT TABLE

PT#	Y	X
319	363190.706	836486.676
320	363547.503	836161.271
325	363599.723	836201.633
327	363612.364	836185.279
1320	363015.009	836696.651
1344	362984.792	836695.71
1431	363086.752	836651.066
1453	363119.836	836609.903
1476	363092.881	836548.834
1674	362915.989	836661.013
1679	363019.319	836563.586
1691	362934.916	836617.216
1723	363760.149	835994.077
1729	363692.837	836125.314
1731	363674.088	836149.571
1732	363561.158	836143.605
1733	363575.589	836072.607
1734	363593.936	836048.871
1736	363674.294	835997.232
2138	362970.639	836704.702
2139	363226.102	836542.382

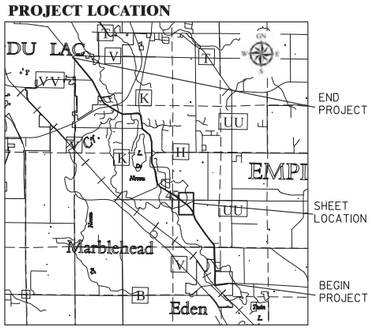


EXISTING MONUMENT TABLE

PT#	STATION	OFFSET'	DESCRIPTION
1067	327+82.66	32.88'	1" IRON PIPE
1068	327+82.69	33.10'	1" IRON PIPE
1069	328+69.35	33.13'	1" IRON PIPE
1070	328+69.48	75.24'	1" IRON PIPE
1071	328+03.34	74.97'	1" IRON PIPE
1072	328+03.36	33.16'	1" IRON PIPE
1075	333+23.58	33.12'	1" IRON PIPE
1076	332+71.68	32.44'	1" IRON PIPE
1078	322+85.86	32.98'	1" IRON PIPE
1079	322+85.91	32.88'	1" IRON PIPE
1080	319+83.27	33.03'	1" IRON PIPE
1081	319+83.28	33.12'	1" IRON PIPE
1082	318+90.38	32.97'	1" IRON PIPE
1083	318+54.26	33.15'	1" IRON PIPE

NOTE:
EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 6034, RECORDED IN VOL 40, PAGES 15-15B, DOCUMENT NO. 705105 AND CSM NO. 6255, RECORDED IN VOL 42, PAGES 52-52B, DOCUMENT NO. 739162

PROJECT LOCATION



LINE TABLE

LINE	BEARING	DISTANCE
L1	S32°43'32"E	95.52'
L2	S52°17'55"E	30.00'
L3	S78°30'36"E	72.45'
L4	S52°17'55"E	22.33'
L5	S32°25'55"E	115.90'
L6	S11°20'23"E	75.03'
L7	S32°25'55"E	100.00'
L8	S66°37'42"E	47.71'
L9	S89°14'07"E	75.28'
L10	N32°25'55"W	16.77'
L11	N01°47'02"E	30.23'
L12	N32°25'55"W	85.00'
L13	N51°12'36"W	52.81'
L14	N32°25'55"W	125.90'
L15	N52°17'55"W	20.67'
L16	N52°17'55"W	66.00'
L17	N37°42'05"E	27.00'
L18	N52°17'55"W	30.66'
L19	N62°50'48"W	147.49'
L20	N89°37'27"W	108.85'

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S42°21'55"E	485.33'	482.90'	1399.69'
CURVE 2	S30°06'40"E	67.99'	67.98'	1399.68'
CURVE 3	N29°51'04"W	132.02'	131.97'	1465.68'
CURVE 4	N42°21'55"W	508.21'	505.67'	1465.69'

CURVE A
PI 319+27.56
Y 362706.741
X 839905.898
Δ 04°27'21"
R 1432.68'
T 55.74'
L 111.41'
LC 111.39'
LCB N30°12'15"W

CURVE B
PI 325+36.81
Y 363420.174
X 836379.969
Δ 19°52'00"
R 1432.69'
T 250.90'
L 496.77'
LC 494.29'
LCB N42°21'55"W

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 6034, 6255	2000, 2002
BIRCH RD	CSM 6255, 7552	2002, 2010

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES (ELECTRICAL)	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
306	ANR PIPELINE	RELEASE OF RIGHTS

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 5-25-2017
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-25-2017
(PRINTED NAME) CURT VAN EREM

PLOT BY : OMNI ASSOCIATES, INC. - JAIRO MAZARIEGOS
PLOT DATE : 5/9/2017 3:43 PM
FILE NAME : F:\TRANS\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEET 4.08.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.08

THAT PART OF LOTS 2 AND 3, CSM 6034, AND LOT 1, CSM 6255, LOCATED IN AND BEING A PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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GN

W E

S

SCALE, FEET

0 100 200

DOC# 1052656

Recorded
May 15, 2015 9:44 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

102

Recorded this 15th day of May 2015 at 9:44 AM in VOL 18 Pg. 44 Doc# 1052656
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.08
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

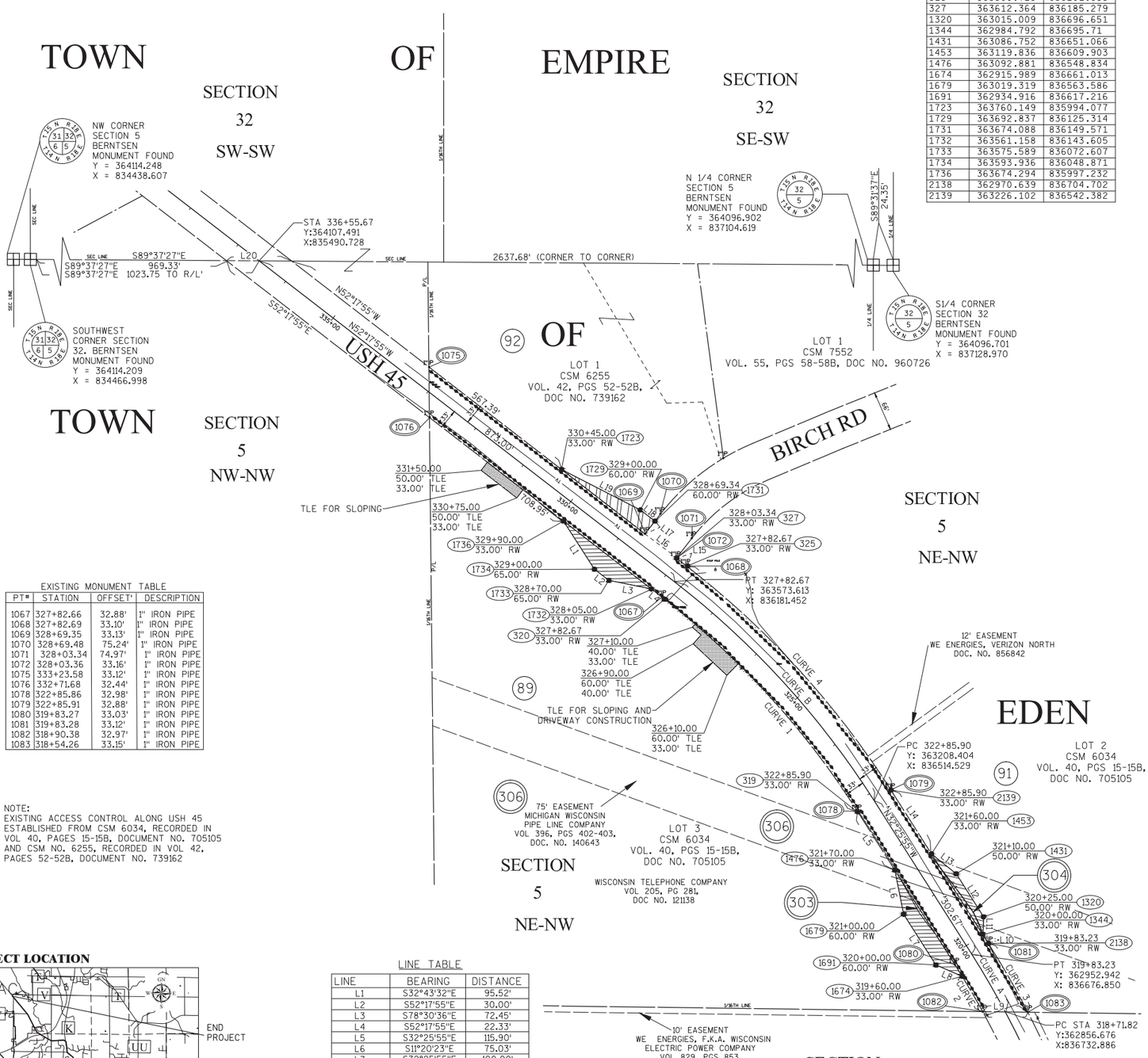
SCHEDULE OF LANDS AND INTEREST

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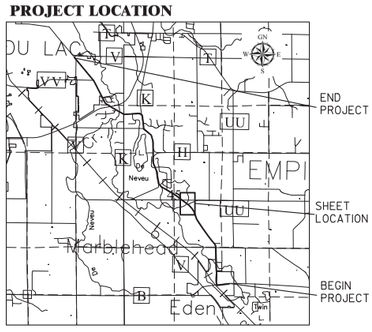


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1083	318+54.26	33.15'	1" IRON PIPE

NOTE:
EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 6034, RECORDED IN VOL 40, PAGES 15-15B, DOCUMENT NO. 705105 AND CSM NO. 6255, RECORDED IN VOL 42, PAGES 52-52B, DOCUMENT NO. 739162

PROJECT LOCATION



LINE TABLE

LINE	BEARING	DISTANCE
L1	S32°43'32"E	95.52'
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CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
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CURVE A
PI 319+27.56
Y 362706.741
X 839905.898
Δ 04°27'21"
R 1432.68'
T 55.74'
L 111.41'
LC 111.39'
LCB N30°12'15"W

CURVE B
PI 325+36.81
Y 363420.174
X 836379.969
Δ 19°52'00"
R 1432.69'
T 250.90'
L 496.77'
LC 494.29'
LCB N42°21'55"W

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 6034, 6255	2000, 2002
BIRCH RD	CSM 6255, 7552	2002, 2010

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
304	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
306	ANR PIPELINE	RELEASE OF RIGHTS

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.08-4.10.DWG
PLOT DATE : 5/1/2015 1:18 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE : ----------
---------- 4 ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.09
AMENDMENT NO. 1

AMENDS PARCELS 98 & 99 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.09 RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLAT, PAGE 45, DOCUMENT NO. 1052657

THAT PART OF LOT 23 AND 24, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER, AND THAT PART OF LOT 19, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31; AND THAT PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, ALL LOCATED IN T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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GN W E S

SCALE, FEET
0 100 200

DOC# 1056688
Recorded August 13, 2015 12:53 PM
SHAWN KELLY REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00
Recorded this 13th day of Aug. 2015 at 12:53 PM in VOL. 18 Pg. 69
Doc # 1056688
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.09
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

TOWN OF EMPIRE

SECTION 31 NE-SE
SECTION 31 SE-SE
SECTION 32 SW-SW

LOT 2, LOT 3, LOT 24 (99), LOT 23 (98), LOT 22, LOT 9, LOT 10, LOT 18, LOT 21, LOT 20, LOT 19 (94), LOT 97

VALLEY DR
HILL RD
OAK HILL RD
DENEVEU HILLS
USH 45
BAUDRY LANE

PT STA 364+57.83
Y:365621.248
X:833140.529

SEE DETAIL A

362+90.00 33.00' RW (946)
TLE FOR SLOPING
363+69.03 40.72' TLE
363+69.20 33.00' TLE
362+90.00 33.00' RW (1777)
362+60.00 60.00' RW (1780)
362+35.00 60.00' RW (1779)
362+10.00 33.00' RW (1778)
363+25.00 33.00' RW (1783)
362+70.00 55.00' RW (1784)
362+30.00 55.00' RW (1787)
362+00.00 33.00' RW (1781)
358+23.38 33.00' RW (744)
357+57.38 33.00' RW (743)
357+56.29 33.00' RW (527)
357+55.95 33.00' RW (497)

N61°18'01"W 643.32'
S61°18'01"E 643.32'
443.38'
825.92'
710.95'

PI 357+56.28
Y:365282.222
X:833754.634

CURVE-B
PI =364+31.23'
Y =365506.348
X =833162.599
Δ =05°19'22"
R =572.96'
T =26.63'
L =53.23'
LC =55.21'
LCB =N58°38'20"W

WISCONSIN TELEPHONE COMPANY
VOL 208, PG 61-62,
DOC NO. 126800 &
VOL 226, PG 301-302, DOC NO. 149835

BERNTSEN MONUMENT FOUND
Y = 366771.970
X = 834464.197

2657.76' (CORNER TO CORNER)
SEC LINE
7212.0' (TO PT# 537 R/W)
SEC LINE R/W LINE

350+35.00 40.00' TLE 33.00' TLE
349+58.74 40.00' TLE
349+30.70 33.00' RW (536)
PT 349+30.70
Y:364871.050
X:834470.543
348+45.00 40.00' TLE 33.00' TLE
346+75.00 40.00' TLE 33.00' TLE
346+41.15 33.00' RW (535)
PC 346+41.15
Y:364710.160
X:834711.006
345+10.00 40.00' TLE 33.00' TLE
343+95.00 40.00' TLE 33.00' TLE
350+45.00 33.00' RW (1755)
350+05.00 50.00' RW (1758)
349+64.62 50.00' ROW (1754)
349+16.46 33.00' RW (537)
346+41.15 33.00' RW (534)
344+40.00 33.00' RW (1751)
344+30.00 45.00' RW (1752)
344+10.00 45.00' RW (1753)
344+00.00 33.00' RW (1749)

TLE FOR SLOPING

CURVE-A
PI =347+86.15
Y =364798.835
X =834596.280
Δ =07°49'52"
R =2118.46'
T =145.00'
L =289.54'
LC =289.32'
LCB =N56°12'51"W

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N56°01'18"W	271.02'	270.83'	2085.46'
CURVE 2	N59°40'43"W	34.29'	34.29'	605.96'
CURVE 3	S57°26'24"E	72.76'	72.70'	539.96'
CURVE 4	S56°12'51"E	294.06'	293.83'	2151.46'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 194	1971
OAK HILL RD	DENEVEU HILLS	1978
BAUDRY LN	EXCEL ENGINEERING PLAT OF SURVEY	3-17-1999

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
93	SALVATORE S. SARRA & CAROL SARRA	TLE	---	---	---	0.05 AC
94	WILLIAM K. PICKERING & KAREN A. PICKERING	TLE	---	---	---	0.01 AC
96	FRED M. FINSTAD	FEE	0.01 AC	0.47 AC	0.48 AC	---
97	MICHAEL A. GANTNER & DIANE C. GANTNER	FEE	0.06 AC	---	0.06 AC	---
98	MICHAEL L. CLAUSEN	FEE	0.03 AC	---	0.03 AC	---
99	NICHOLAS R. MOORE & KATHLEEN A. MOORE	TLE	---	---	---	0.02 AC

LINE TABLE AND BEARING

LINE	BEARING	DISTANCE
1749-1753	S77°30'25"W	15.62'
1753-1752	N52°17'55"W	20.00'
1752-1751	N02°06'15"W	15.62'
L-1	N60°04'58"W	57.72'
L-2	S00°03'37"E	19.62'
1754-1758	N60°07'47"W	40.38'
1758-1755	N37°06'15"W	43.46'
1781-1787	S82°26'45"W	37.20'
1787-1784	N61°18'01"W	40.00'
1784-1783	N39°29'56"W	59.24'
1783-945	N61°18'01"W	79.60'
946-1777	S61°18'01"E	114.60'
1777-1780	N76°42'45"E	40.36'
1780-1779	S61°18'01"E	25.00'
1779-1778	S14°05'52"E	36.80'
744-743	S61°18'01"E	66.00'
743-527	S61°18'01"E	1.44'
L-3	N89°37'27"W	108.85'

ROW MONUMENT TABLE

PT#	Y	X
497	365253.438	833738.491
527	365311.006	833770.777
534	364684.051	834690.825
535	364736.270	834731.187
536	364899.666	834486.978
537	364835.413	834466.238
743	365311.696	833769.517
744	365343.390	833711.625
945	365564.609	833170.116
946	365622.501	833201.811
1749	364536.574	834881.628
1751	364561.036	834849.979
1752	364545.426	834850.553
1753	364533.195	834866.377
1754	364844.585	834416.228
1755	364899.359	834354.994
1758	364864.696	834381.213
1777	365567.468	833302.334
1778	365529.050	833372.506
1779	365564.739	833363.543
1780	365576.744	833341.615
1781	365466.356	833349.583
1783	365526.384	833239.940
1784	365480.674	833277.618
1787	365461.466	833312.704

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1094	349+52.09	34.51'	2" IRON PIPE
1095	355+32.38	33.39'	1" IRON PIPE

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM DENEVEU HILLS SUBDIVISION PLAT, RECORDED IN VOL. 12 OF PLATS, PAGES 62-63, DOCUMENT NO. 347010.

NW CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364114.248
X = 834438.607

SW CORNER SECTION 32 BERNTSEN MONUMENT FOUND
Y = 364114.209
X = 834466.998

CSM 194
VOL. 2, PGS 194-194A, DOC NO. 254980

S89°37'27"E 701.05'
S89°37'27"E 969.33'
S89°37'27"E 1023.75' (TO R/L)
2662.03' (CORNER TO CORNER)

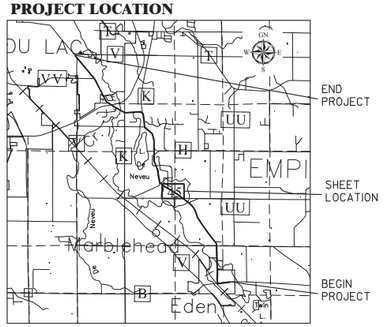
STA 336+55.67
Y:364107.491
X:835490.728

N 1/4 CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364096.902
X = 837104.619

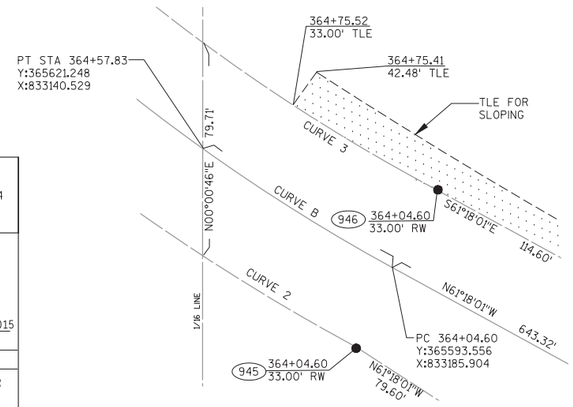
S 1/4 CORNER SECTION 32 COMPUTED
Y = 364096.701
X = 837128.970

S89°31'37"E 24.35'

PROJECT LOCATION



DETAIL A



OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 7-07-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 8-4-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.08-4.10.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 7/16/2015 7:48 AM
PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.09

THAT PART OF LOT 23 AND 24, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER, AND THAT PART OF LOT 19, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31; AND THAT PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, ALL LOCATED IN T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1052657
Recorded
May 15, 2015 9:50 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 15th day of May 2015 at 9:50AM in VOL 18 Pg. 45 Doc # 1052657
Shawn K Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.09
AMENDMENT NO:---

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

TOWN

SECTION 31
NE-SE

SECTION 31
SE-SE

SECTION 32
SW-SW

OF

EMPIRE

VALLEY DR
HILL RD
OAK
DENEVEU HILLS
USH 45
BAUDRY LANE

LOT 2, LOT 3, LOT 9, LOT 10, LOT 18, LOT 19, LOT 20, LOT 21, LOT 22, LOT 23, LOT 24

PT STA 364+57.83
Y:365621.248
X:833140.529

SEE DETAIL A

CURVE-B
PI =364+31.23'
Y =365506.348
X =833162.599
Δ =05°19'22"
R =572.96'
T =26.63'
L =53.23'
LC =53.21'
LCB =N58°38'20"W

PI 357+56.28
Y:365282.222
X:833754.634

WISCONSIN TELEPHONE COMPANY
VOL 208, PG 61-62,
DOC NO. 126800 &
VOL 226, PG 301-302, DOC NO. 149835

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM DENEVEU HILLS SUBDIVISION PLAT, RECORDED IN VOL. 12 OF PLATS, PAGES 62-63, DOCUMENT NO. 347010.

BERNTSEN MONUMENT FOUND
Y = 366771.970
X = 834464.197

PT 349+30.70
Y:364871.050
X:834470.543

PC 346+41.15
Y:364710.160
X:834711.006

NW CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364114.248
X = 834438.607

SW CORNER SECTION 32 BERNTSEN MONUMENT FOUND
Y = 364114.209
X = 834466.998

CSM 194
VOL. 2, PGS 194-194A, DOC NO. 254980

STA 336+55.67
Y:364107.491
X:835490.728

N 1/4 CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364096.902
X = 837104.619

S 1/4 CORNER SECTION 32 COMPUTED
Y = 364096.701
X = 837128.970

TLE FOR SLOPING

DETAIL A

PT STA 364+57.83
Y:365621.248
X:833140.529

PC 364+04.60
Y:365593.556
X:833185.904

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
93	SALVATORE S. SARRA & CAROL SARRA	TLE	---	---	---	0.05 AC
94	WILLIAM K. PICKERING & KAREN A. PICKERING	TLE	---	---	---	0.01 AC
96	FRED M. FINSTEAD	FEE	0.01 AC	0.47 AC	0.48 AC	---
97	MICHAEL A. GANTNER & DIANE C. GANTNER	FEE	0.06 AC	---	0.06 AC	---
98	MICHAEL L. CLAUSEN	FEE	0.03 AC	---	0.03 AC	---
99	NICHOLAS R. MOORE & KATHLEEN A. MOORE	FEE	0.02 AC	---	0.02 AC	---

LINE TABLE AND BEARING

LINE	BEARING	DISTANCE
1749-1753	S77°30'25"W	15.62'
1753-1752	N52°17'55"W	20.00'
1752-1751	N02°06'15"W	15.62'
L-1	N60°04'58"W	57.72'
L-2	S00°03'37"E	19.62'
1754-1758	N60°07'47"W	40.38'
1758-1755	N37°06'15"W	43.46'
1781-1787	S82°26'45"W	37.20'
1787-1784	N61°18'01"W	40.00'
1784-1783	N39°29'56"W	59.24'
1783-945	N61°18'01"W	79.60'
600-1884	N36°22'52"E	9.48'
1886-606	S28°58'47"W	7.51'
606-1777	S61°18'01"E	75.47'
1777-1780	N76°42'45"E	40.36'
1780-1779	S61°18'01"E	25.00'
1779-1778	S14°05'52"E	36.80'
744-743	S61°18'01"E	66.00'
743-527	S61°18'01"E	1.44'
L-3	N89°37'27"W	108.85'

ROW MONUMENT TABLE

PT#	Y	X
497	365253.438	833738.491
527	365311.006	833770.777
534	364684.051	834690.825
535	364736.270	834731.187
536	364899.666	834486.978
537	364835.413	834466.238
600	365658.137	833145.323
606	365603.707	833236.138
743	365311.696	833769.517
744	365343.390	833711.625
945	365564.609	833170.116
1749	364536.574	834881.628
1751	364561.036	834849.979
1752	364545.426	834850.553
1753	364533.195	834866.377
1754	364844.585	834416.228
1755	364899.359	834354.994
1758	364864.696	834381.213
1777	365567.468	833302.334
1778	365529.050	833372.506
1779	365564.739	833363.543
1780	365576.744	833341.615
1781	365466.356	833349.583
1783	365526.384	833239.940
1784	365480.674	833277.618
1787	365461.466	833312.704
1884	365665.769	833150.946
1886	365610.281	833239.779

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1094	349+52.09	34.51'	2"IRON PIPE
1095	355+32.38	33.39'	1"IRON PIPE

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N56°01'18"W	271.02'	270.83'	2085.46'
CURVE 2	N59°40'43"W	34.29'	34.29'	605.96'
CURVE 3	S53°53'36"E	5.92'	5.92'	539.96'
CURVE 4	S56°12'51"E	294.06'	293.83'	2151.46'

CURVE-A
PI =347+86.15
Y =364798.835
X =834596.280
Δ =07°49'52"
R =2118.46'
T =145.00'
L =289.54'
LC =289.32'
LCB =N56°12'51"W

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 194	1971
OAK HILL RD	DENEVEU HILLS	1978
BAUDRY LN	EXCEL ENGINEERING PLAT OF SURVEY	3-17-1999

PROJECT LOCATION

END PROJECT
SHEET LOCATION
BEGIN PROJECT

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.10 AMENDMENT NO. 2

REMOVES UTILITY NUMBER 300 AND ADDS UTILITY NUMBER 308 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.10 AMENDMENT NO: 1 RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 70, DOCUMENT NO. 1056689

THAT PART OF LOT 24, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

USH 45 (EDEN TO FOND DU LAC)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN
W E
S

SCALE, FEET
0 100 200

DOC# 1084996
Recorded
June 06, 2017 2:31 PM
JAMES M KREBS
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00
105

Recorded this 6th day of June, 2017 at 2:31 PM in VOL. 18 Pg. 100 Doc # 1084996
James M. Krebs
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.10
AMENDMENT NO: 2

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
99	NICHOLAS R. MOORE AND KATHLEEN A. MOORE	FEE TLE	0.03 AC	---	0.03 AC	0.03 AC
101	MICHAEL J. HARTMANN AND LISA A HARTMANN	FEE	0.03 AC	---	0.03 AC	---

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 5805, RECORDED IN VOL 37, PAGES 87-87C, DOC NO. 682819.

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S09°48'22"E	268.89'	268.79'	2831.79'
CURVE 2	S27°41'02"E	285.69'	282.37'	539.96'
CURVE 3	S51°25'26"E	40.71'	40.70'	539.96'
CURVE 4	N53°54'39"W	87.75'	87.68'	605.96'
CURVE 5	N39°51'41"W	63.04'	63.01'	605.96'
CURVE 6	N15°55'52"W	72.02'	71.97'	605.96'
CURVE 7	N09°48'22"W	275.16'	275.06'	2897.79'
CURVE 8	N15°32'01"W	222.55'	221.75'	758.51'
CURVE 9	N23°43'26"W	9.77'	9.77'	1303.69'
CURVE 10	S15°32'00"E	257.75'	256.83'	878.51'

LINE BEARING TABLE

LINE	BEARING	DISTANCE
L1	S07°07'42"E	74.20'
L2	N89°31'34"W	29.43'
L3	S07°05'09"E	13.93'
L4	N88°50'28"E	29.48'
L5	S45°00'27"E	31.63'
L6	S04°23'05"E	31.88'
L7	S00°00'46"W	79.71'
L8	N74°48'19"W	48.35'
L9	N44°30'26"W	27.40'
L10	N04°18'01"E	29.99'
L11	N07°05'09"W	96.26'
L12	N89°53'38"W	25.09'
L13	N23°56'20"W	66.00'
L14	S89°50'22"E	131.42'
L15	S23°56'20"E	67.33'
L16	N07°05'09"W	92.10'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1278	487+22.86	65.06'	1" IRON PIPE
1279	485+36.70	40.12'	1" IRON PIPE
1281	487+83.94	89.31'	1" IRON PIPE
1473	487+93.46	41.47'	1" IRON PIPE
5118	477+65.80	60.00'	1" IRON PIPE
5119	479+61.27	60.12'	1" IRON PIPE
5120	481+12.24	60.19'	1" IRON PIPE
5121	482+63.60	60.24'	1" IRON PIPE
5122	482+71.65	60.24'	1" IRON PIPE
5123	484+29.27	60.30'	1" IRON PIPE
5124	485+12.33	60.39'	1" IRON PIPE
5125	485+98.16	59.93'	1" IRON PIPE
6012	376+80.40	32.92'	1" IRON PIPE
6031	484+03.68	63.22'	1" IRON PIPE
6046	484+08.49	36.11'	1" IRON PIPE
13030	370+05.34	32.68'	3/4" REBAR
13040	370+81.23	32.99'	1" IRON PIPE
13050	374+65.90	32.79'	1" IRON PIPE
13070	376+66.19	32.70'	1" IRON PIPE
13080	376+76.70	60.27'	3/4" REBAR
13090	479+00.35	58.36'	3/4" REBAR

ROW MONUMENT TABLE

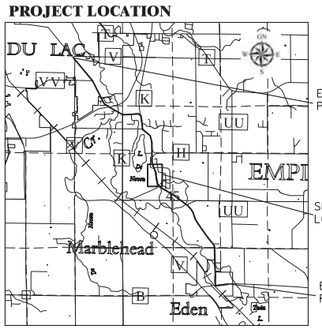
PT#	Y	X
367	366775.440	832589.260
601	367278.909	832526.504
602	367492.559	832467.119
604	368078.667	832206.918
677	367293.800	832645.577
678	367541.250	832576.797
684	367692.209	832378.485
685	367752.531	832351.705
695	367796.868	832463.316
696	367735.332	832490.635
855	366701.830	832690.206
856	366688.007	832691.924
859	366423.140	832737.704
860	366117.454	832805.621
868	365867.409	832936.808
874	366701.587	832719.638
875	366033.929	832760.947
876	365870.895	832848.031
877	366103.140	832741.192
878	366408.826	832673.275
879	366679.865	832626.429
880	366775.393	832614.554
881	365822.530	832888.414
1789	365633.565	833069.668
1791	365646.238	833023.006
1792	365665.777	833003.800
1794	365695.682	833006.048
1795	365740.561	833054.442
1796	365741.157	833083.912
1800	365687.004	833108.721
2083	365718.791	833106.283
2209	366775.439	832589.477

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	DENEUVE HILLS CSM 2708, 2978, 2979 5805,3808	1978 1981
MILL RD	CSM 7349	1998
SUMMIT COURT	CSM 2708, 2978,	1987
SUMMIT DRIVE	CSM 3701, 3807, 3808,	1987

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES ELECTRIC	RELEASE OF RIGHTS
308	ALLIANT ENERGY ELECTRIC	RELEASE OF RIGHTS

PROJECT LOCATION



CURVE A
PI 365+23.79
Y 365658.159
X 833085.852
Δ 13°08'06"
R 572.96'
T 65.96'
L 131.35'
LC 131.06'
LCB N49°24'36"W

CURVE B
PI 369+33.21
Y 365958.778
X 832807.070
Δ 30°18'54"
R 572.96'
T 155.21'
L 303.15'
LC 299.63'
LCB N27°41'02"W

CURVE C
PI 375+30.40
Y 366548.859
X 832675.967
Δ 05°26'26"
R 2864.79'
T 136.12'
L 272.03'
LC 271.93'
LCB N09°48'22"W

CURVE D
PI 483+92.69
Y 367406.364
X 832571.032
Δ 16°48'38"
R 818.51'
T 120.94'
L 240.15'
LC 239.29'
LCB N15°32'01"W

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 5-25-2017
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-25-2017
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS NEW RW 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.10 AMENDMENT NO. 1

AMENDS PARCEL 99 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.10 RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 46, DOCUMENT NO. 1052660

THAT PART OF LOT 24, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

USH 45 (EDEN TO FOND DU LAC)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1056689
Recorded
August 13, 2015 1:03 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 13th day of Aug., 2015 at 1:03 PM in VOL 18 Pg 70
Doc# 1056689
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

106

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.10
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
99	NICHOLAS R. MOORE AND KATHLEEN A. MOORE	FEE TLE	0.03 AC	---	0.03 AC	0.03 AC
101	MICHAEL J. HARTMANN AND LISA A HARTMANN	FEE	0.03 AC	---	0.03 AC	---

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 5805, RECORDED IN VOL 37, PAGES 87-87C, DOC NO. 682819.

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S09°48'22"E	268.89'	268.79'	2831.79'
CURVE 2	S27°41'02"E	285.69'	282.37'	539.96'
CURVE 3	S51°25'26"E	40.71'	40.70'	539.96'
CURVE 4	N53°54'39"W	87.75'	87.68'	605.96'
CURVE 5	N39°51'41"W	63.04'	63.01'	605.96'
CURVE 6	N15°55'52"W	72.02'	71.97'	605.96'
CURVE 7	N09°48'22"W	275.16'	275.06'	2897.79'
CURVE 8	N15°32'01"W	222.55'	221.75'	758.51'
CURVE 9	N23°43'26"W	9.77'	9.77'	1303.69'
CURVE 10	S15°32'00"E	257.75'	256.83'	878.51'

LINE BEARING TABLE

LINE	BEARING	DISTANCE
L1	S07°07'42"E	74.20'
L2	N89°31'34"W	29.43'
L3	S07°05'09"E	13.93'
L4	N88°50'28"E	29.48'
L5	S45°00'27"E	31.63'
L6	S04°23'05"E	31.88'
L7	S00°00'46"W	79.71'
L8	N74°48'19"W	48.35'
L9	N44°30'26"W	27.40'
L10	N04°18'01"E	29.99'
L11	N07°05'09"W	96.26'
L12	N89°53'38"W	25.09'
L13	N23°56'20"W	66.00'
L14	S89°50'22"E	131.42'
L15	S23°56'20"E	67.33'
L16	N07°05'09"W	92.10'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1278	487+22.86	65.06'	1" IRON PIPE
1279	485+36.70	40.12'	1" IRON PIPE
1281	487+83.94	89.31'	1" IRON PIPE
1473	487+93.46	41.47'	1" IRON PIPE
5118	477+65.80	60.00'	1" IRON PIPE
5119	479+61.27	60.12'	1" IRON PIPE
5120	481+12.24	60.19'	1" IRON PIPE
5121	482+63.60	60.24'	1" IRON PIPE
5122	482+71.65	60.24'	1" IRON PIPE
5123	484+29.27	60.30'	1" IRON PIPE
5124	485+12.33	60.39'	1" IRON PIPE
5125	485+98.16	59.93'	1" IRON PIPE
6012	376+80.40	32.92'	1" IRON PIPE
6031	484+03.68	63.22'	1" IRON PIPE
6046	484+08.49	36.11'	1" IRON PIPE
13030	370+05.34	32.68'	3/4" REBAR
13040	370+81.23	32.99'	1" IRON PIPE
13050	374+65.90	32.79'	1" IRON PIPE
13070	376+66.19	32.70'	1" IRON PIPE
13080	376+76.70	60.27'	3/4" REBAR
13090	479+00.35	58.36'	3/4" REBAR

ROW MONUMENT TABLE

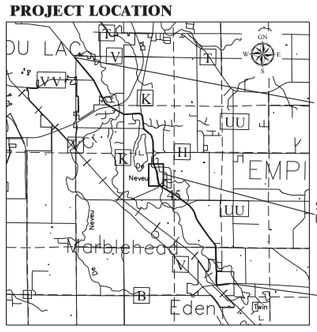
PT#	Y	X
367	366775.440	832589.260
601	367278.909	832526.504
602	367492.559	832467.119
604	368078.667	832206.918
677	367293.800	832645.577
678	367541.250	832576.797
684	367692.209	832378.485
685	367752.531	832351.705
695	367796.868	832463.316
696	367735.332	832490.635
855	366701.830	832690.206
856	366688.007	832691.924
859	366423.140	832737.704
860	366117.454	832805.621
868	365867.409	832936.808
874	366701.587	832719.638
875	366033.929	832760.947
876	365870.895	832848.031
877	366103.140	832741.192
878	366408.826	832673.275
879	366679.865	832626.429
880	366775.393	832614.554
881	365822.530	832888.414
1789	365633.565	833069.668
1791	365646.238	833023.006
1792	365665.777	833003.800
1794	365695.682	833006.048
1795	365740.561	833054.442
1796	365741.157	833083.912
1800	365687.004	833108.721
2083	365718.791	833106.283
2209	366775.439	832589.477

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	DENEUVE HILLS CSM 2708, 2978, 2979 5805,3808	1978 1981
MILL RD	CSM 7349	1998
SUMMIT COURT	CSM 2708, 2978,	1987
SUMMIT DRIVE	CSM 3701, 3807, 3808,	1987

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
302	WE ENERGIES ELECTRIC	RELEASE OF RIGHTS

PROJECT LOCATION



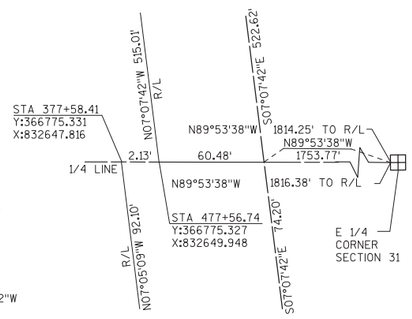
CURVE A
PI 365+23.79
Y 365658.159
X 833085.852
Δ 13°08'06"
R 572.96'
T 65.96'
L 131.35'
LC 131.06'
LCB N49°24'36"W

CURVE B
PI 369+33.21
Y 365958.778
X 832807.070
Δ 30°18'54"
R 572.96'
T 155.21'
L 303.15'
LC 299.63'
LCB N27°41'02"W

CURVE C
PI 375+30.40
Y 366548.859
X 832675.967
Δ 05°26'26"
R 2864.79'
T 136.12'
L 272.03'
LC 271.93'
LCB N09°48'22"W

CURVE D
PI 483+92.69
Y 367406.364
X 832571.032
Δ 16°48'38"
R 818.51'
T 120.94'
L 240.15'
LC 239.29'
LCB N15°32'01"W

DETAIL A



BERNTSEN MONUMENT FOUND
Y = 366782.174
X = 828949.939

E 1/4 CORNER SEC 31 BERNTSEN MONUMENT FOUND
Y = 366771.970
X = 834464.197

PT 376+66.32
Y:366683.936
X:832659.176

PC 373+94.29
Y:366415.983
X:832705.489

PT 370+81.15
Y:366110.297
X:832773.406

PC 367+78.00
Y:365844.969
X:832912.611

PC 482+71.95
Y:367286.355
X:832586.040

PT 485+11.90
Y:367516.905
X:832521.958

PC STA 364+57.83
Y:365621.248
X:833140.244

PT 365+89.18
Y:365706.523
X:833041.001

LOT 1 CSM 7349 VOL. 53, PGS 53-53B, DOC NO. 919469

LOT 2 CSM 4309 VOL. 24, PGS 82-82B, DOC NO. 520930

LOT 3 CSM 5805 VOL. 37, PGS 87-87C, DOC NO. 682819

LOT 4 CSM 5805 VOL. 37, PGS 87-87C, DOC NO. 682819

LOT 10 CSM 3701 VOL. 20, PGS 100-100B, DOC NO. 465011

LOT 11 CSM 3808 VOL. 21, PGS 47-47A, DOC NO. 473888

LOT 10 CSM 2708 VOL. 14, PGS 128-128B, DOC NO. 371921

LOT 11 CSM 2978 VOL. 16, PGS 64-64B, DOC NO. 394008

LOT 12 CSM 2978 VOL. 16, PGS 64-64B, DOC NO. 394008

LOT 13 CSM 2978 VOL. 16, PGS 64-64B, DOC NO. 394008

LOT 14 CSM 2979 VOL. 16, PGS 65-65C, DOC NO. 394009

LOT 15 CSM 2979 VOL. 16, PGS 65-65C, DOC NO. 394009

LOT 16 CSM 2979 VOL. 16, PGS 65-65C, DOC NO. 394009

LOT 12 CSM 3807 VOL. 21, PGS 46-46B, DOC NO. 473885

LOT 27

LOT 26

LOT 25

LOT 24

LOT 23

LOT 2

SECTION 31 NW-NE

SECTION 31 SW-NE

SECTION 31 NW-SE

SECTION 31 SW-SE

SECTION 31 NE-SE

TOWN OF EMPIRE

SUMMIT COURT

SUMMIT DRIVE

OAK HILL ROAD

USH 45

VALLEY DRIVE

DENEUVE HILLS

MILL ROAD

SEE DETAIL A

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 7-07-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt VanErem DATE 8-4-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.10

THAT PART OF LOT 24, DENEVEU HILLS, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

USH 45 (EDEN TO FOND DU LAC)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1052660
Recorded
May 15, 2015 9:56 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00
Doc# 1052660

107

Recorded this 15th day of May 2015 at 9:56 AM in Vol. 18 Pg. 46 Doc# 1052660
Shawn H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.10
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			TLE
			NEW	EXISTING	TOTAL	
99	NICHOLAS R. MOORE AND KATHLEEN A. MOORE	FEE	0.03 AC	---	0.03 AC	---
101	MICHAEL J. HARTMANN AND LISA A HARTMANN	FEE	0.03 AC	---	0.03 AC	---

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 5805, RECORDED IN VOL 37, PAGES 87-87C, DOC NO. 682819.

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S09°48'22"E	268.89'	268.79'	2831.79'
CURVE 2	S27°41'02"E	285.69'	282.37'	539.96'
CURVE 3	S51°25'26"E	40.71'	40.70'	539.96'
CURVE 4	N53°54'39"W	87.75'	87.68'	605.96'
CURVE 5	N39°51'41"W	63.04'	63.01'	605.96'
CURVE 6	N15°55'52"W	72.02'	71.97'	605.96'
CURVE 7	N09°48'22"W	275.16'	275.06'	2897.79'
CURVE 8	N15°32'01"W	222.55'	221.75'	758.51'
CURVE 9	N23°43'26"W	9.77'	9.77'	1303.69'
CURVE 10	S15°32'00"E	257.75'	256.83'	878.51'

LINE BEARING TABLE

LINE	BEARING	DISTANCE
L1	S07°07'42"E	74.20'
L2	N89°31'34"W	29.43'
L3	S07°05'09"E	13.93'
L4	N88°50'28"E	29.48'
L5	S45°00'27"E	31.63'
L6	S04°23'05"E	31.88'
L7	S00°00'46"W	79.71'
L8	N74°48'19"W	48.35'
L9	N44°30'26"W	27.40'
L10	N04°18'01"E	29.99'
L11	N07°05'09"W	96.26'
L12	N89°53'38"W	25.09'
L13	N23°56'20"W	66.00'
L14	S89°50'22"E	131.42'
L15	S23°56'20"E	67.33'
L16	N07°05'09"W	92.10'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1278	487+22.86	65.06'	1" IRON PIPE
1279	485+36.70	40.12'	1" IRON PIPE
1281	487+83.94	89.31'	1" IRON PIPE
1473	487+93.46	41.47'	1" IRON PIPE
5118	477+65.80	60.00'	1" IRON PIPE
5119	479+61.27	60.12'	1" IRON PIPE
5120	481+12.24	60.19'	1" IRON PIPE
5121	482+63.60	60.24'	1" IRON PIPE
5122	482+71.65	60.24'	1" IRON PIPE
5123	484+29.27	60.30'	1" IRON PIPE
5124	485+12.33	60.39'	1" IRON PIPE
5125	485+98.16	59.93'	1" IRON PIPE
6012	376+80.40	32.92'	1" IRON PIPE
6031	484+03.68	63.22'	1" IRON PIPE
6046	484+08.49	36.11'	1" IRON PIPE
13030	370+05.34	32.68'	3/4" REBAR
13040	370+81.23	32.99'	1" IRON PIPE
13050	374+65.90	32.79'	1" IRON PIPE
13070	376+66.19	32.70'	1" IRON PIPE
13080	376+76.70	60.27'	3/4" REBAR
13090	479+00.35	58.36'	3/4" REBAR

ROW MONUMENT TABLE

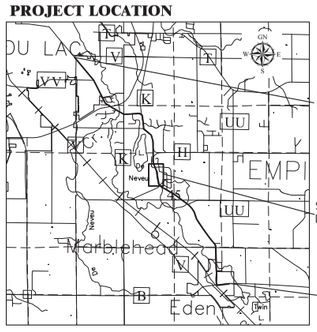
PT#	Y	X
367	366775.440	832589.260
601	367278.909	832526.504
602	367492.559	832467.119
604	368078.667	832206.918
677	367293.800	832645.577
678	367541.250	832576.797
684	367692.209	832378.485
685	367752.531	832351.705
695	367796.868	832463.316
696	367735.332	832490.635
855	366701.830	832690.206
856	366688.007	832691.924
859	366423.140	832737.704
860	366117.454	832805.621
868	365867.409	832936.808
874	366701.587	832719.638
875	366033.929	832760.947
876	365870.895	832848.031
877	366103.140	832741.192
878	366408.826	832673.275
879	366679.865	832626.429
880	366775.393	832614.554
881	365822.530	832888.414
1789	365633.565	833069.668
1791	365646.238	833023.006
1792	365665.777	833003.800
1794	365695.682	833006.048
1795	365740.561	833054.442
1796	365741.157	833083.912
1800	365687.004	833108.721
2083	365718.791	833106.283
2209	366775.439	832589.477

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	DENEUVE HILLS CSM 2708, 2978, 2979	1978
	5805,3808	1981
MILL RD	CSM 7349	1998
SUMMIT COURT	CSM 2708, 2978,	1987
SUMMIT DRIVE	CSM 3701, 3807, 3808,	1987

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
302	WE ENERGIES ELECTRIC	RELEASE OF RIGHTS

PROJECT LOCATION



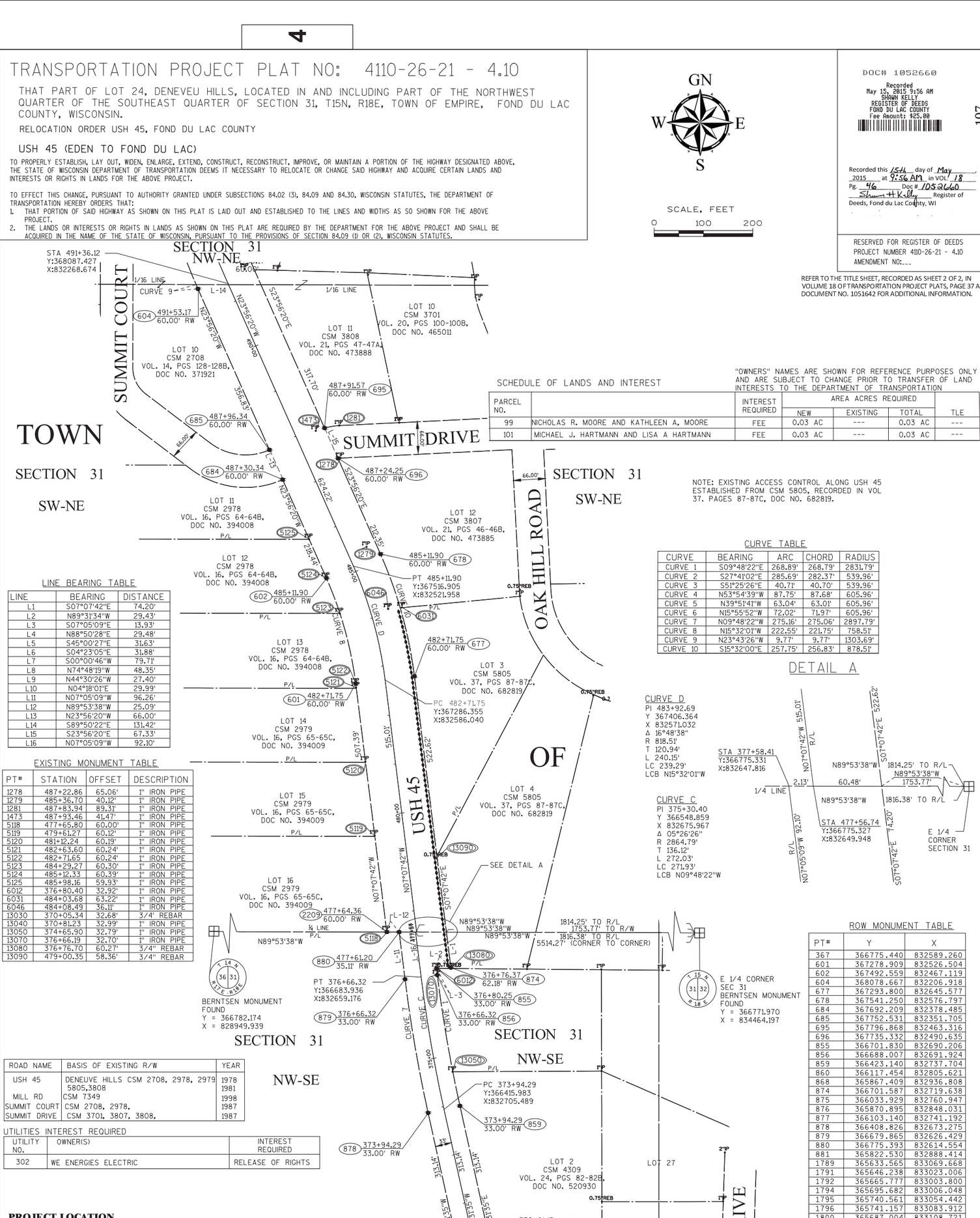
CURVE A
PI 365+23.79
Y 365658.159
X 833085.852
Δ 13°08'06"
R 572.96'
T 65.96'
L 131.35'
LC 131.06'
LCB N49°24'36"W

CURVE B
PI 369+33.21
Y 365958.778
X 832807.070
Δ 30°18'54"
R 572.96'
T 155.21'
L 303.15'
LC 299.63'
LCB N27°41'02"W

CURVE C
PI 375+30.40
Y 366548.859
X 832675.967
Δ 05°26'26"
R 2864.79'
T 136.12'
L 272.03'
LC 271.93'
LCB N09°48'22"W

CURVE D
PI 483+92.69
Y 367406.364
X 832571.032
Δ 16°48'38"
R 818.51'
T 120.94'
L 240.15'
LC 239.29'
LCB N15°32'01"W

DETAIL A



OMNNI ASSOCIATES
OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-4-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.11
AMENDMENT NO. 1

AMENDS PARCEL 104, 111, AND 113 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.11 RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLAT, PAGE 61, DOCUMENT NO. 1054902

THAT PART OF LOT 2, CSM 2910, LOT 33, CSM 3146, LOT 32, CSM 3404, LOT 1, CSM 3573, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 31, AND PART OF LOT 2, CSM 2675, LOTS 3 AND 4, CSM 7164, LOCATED IN AND INCLUDING PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 30, ALL IN T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1068554
Recorded
May 24, 2016 2:04 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

108

Recorded this 24TH day of May, 2016 at 2:04 PM in VOL 18 Pg. 83 Doc # 1068554
Shawn Kelly Register of Deeds

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.11
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

TOWN

PER COUNTY SURVEYOR FOND DU LAC COUNTY Y = 374697.532 X = 831739.323

SECTION 30 SE-SW

SECTION 30 SW-SE

SECTION 31 NE-NW

SECTION 31 NW-NE

EMPIRE OF

ROW MONUMENT TABLE

PT*	Y	X
289	369450.912	832901.436
290	369470.908	832901.813
292	369475.816	832641.859
293	369500.812	832642.331
294	369502.142	832571.894
402	370279.790	832125.953
416	370519.831	832121.705
605	368336.584	832123.266
607	368380.033	832114.030
610	368675.153	832106.298
611	368706.997	832111.341
613	368930.368	832130.199
617	369801.436	832136.110
622	369399.223	832162.534
625	369801.251	832163.106
627	369070.765	832332.001
651	369738.803	832232.402
T653	369380.467	832765.225
654	369375.282	833039.830
656	369314.816	832227.578
657	369314.484	832254.576
658	369071.044	832251.807
T660	368907.739	832222.805
669	368799.020	832243.610
670	368656.383	832224.821
671	368361.535	832240.643
672	368404.984	832231.407
673	368127.358	832316.595
1893	370647.687	832213.522
1898	370550.883	832260.270
1899	370456.228	832454.343
1900	370280.646	832463.185
1902	369782.906	832357.879
1907	369551.769	832456.412
1924	369040.041	832392.297
1925	368912.536	832301.373
1926	369080.855	832340.365
1940	369345.127	832681.920
1941	369392.084	832516.181
T2193	368087.611	832202.987
T2195	368087.243	832334.404
2196	368688.226	832229.864
2197	369168.288	832132.905
2198	369168.071	832159.905
2201	370125.945	832129.812
2204	370722.311	832202.661
2205	370723.330	832117.932
2214	369448.273	833041.208
2225	369692.053	832248.136
2226	369588.959	832290.038

LINE TABLE

LINE	BEARING	DISTANCE
L1	N89°32'25"W	27.00'
L2	S08°59'58"W	32.24'
L3	S12°00'03"E	44.42'
L4	S89°50'22"E	131.42'
L5	N23°56'20"W	43.89'
L6	N12°00'03"W	44.42'
L7	N08°59'58"E	32.24'
L8	N01°00'00"W	80.69'
L9	N89°48'03"W	80.20'
L10	N89°17'44"W	27.00'
L11	S27°22'06"E	85.00'
L12	S74°10'54"E	172.26'
L13	N01°04'54"E	73.00'
L14	N88°55'06"W	159.80'
L15	N01°04'54"E	20.00'
L16	N01°04'54"E	25.00'
L17	N88°55'06"W	70.45'
L18	N89°42'59"W	84.73'
L19	S01°26'13"E	153.89'
L20	S89°36'26"E	27.00'
L21	N89°47'06"W	142.11'
L22	S01°04'54"W	20.65'
L23	N01°04'54"E	12.35'
L24	N23°56'20"W	17.06'
L25	N12°00'03"W	44.42'
L26	N08°59'58"E	32.24'
L27	N00°42'06"E	163.41'
L28	S89°48'03"E	27.00'

EXISTING MONUMENT TABLE

PT*	STATION	OFFSET	DESCRIPTION
1254	616+12.35	34.93'	1" IRON PIPE
1269	508+06.24	33.49'	1" IRON PIPE
1270	507+63.79	49.83'	1" IRON PIPE
1271	503+14.77	318.44'	1" IRON PIPE
1274	501+39.58	140.40'	1" IRON PIPE
1275	501+38.53	32.98'	1" IRON PIPE
1276	501+24.96	59.80'	3/4" REBAR
1277	500+12.32	59.82'	1" IRON PIPE
1284	626+64.54	33.11'	1" IRON PIPE
1286	626+64.46	40.15'	3/4" REBAR
1286	627+12.24	40.20'	3/4" REBAR
1287	626+84.49	40.25'	3/4" REBAR
1291	614+72.35	39.80'	3/4" REBAR
1292	614+72.27	59.75'	3/4" REBAR
1293	617+32.55	59.84'	3/4" REBAR
1294	617+32.43	84.74'	3/4" REBAR
1295	618+02.74	84.64'	3/4" REBAR
1455	630+59.77	69.11'	1" IRON PIPE
1460	504+31.88	33.44'	1" IRON PIPE
1461	503+99.07	40.15'	1" IRON PIPE
1463	501+43.07	229.10'	1" IRON PIPE
1464	501+40.47	226.53'	1" IRON PIPE
1466	502+40.20	327.83'	1" IRON PIPE
1544	502+34.98	32.57'	1" IRON PIPE
5126	494+56.04	60.04'	1" IRON PIPE
5127	495+65.72	59.88'	1" IRON PIPE
6044	491+51.58	43.12'	1" IRON PIPE
6049	613+78.75	33.88'	1" IRON PIPE
12840	627+25.84	49.69'	1" IRON PIPE
12850	511+92.45	73.99'	1" IRON PIPE
12860	511+22.49	71.82'	1" IRON PIPE
12870	510+52.53	69.62'	1" IRON PIPE
12880	508+68.04	64.00'	1" IRON PIPE
12900	504+64.75	33.50'	1" IRON PIPE
12910	505+14.92	34.16'	1" IRON PIPE
12920	506+61.02	34.72'	1" IRON PIPE
12960	632+32.45	33.82'	1" IRON PIPE
12970	630+70.16	40.05'	1" IRON PIPE
12980	630+73.09	66.83'	1" IRON PIPE
12990	628+28.09	77.55'	1" IRON PIPE

DETAIL A

CURVE F
PI 629+78.89
Y 370432.625
X 832207.831
Δ 09°38'12"
R 3488.51'
T 294.06'
L 586.73'
LC 586.04'
LCB N04°07'12"W

CURVE F
PI 624+57.54
Y 369906.038
X 832201.414
Δ 22°04'00"
R 1090.21'
T 212.57'
L 419.88'
LC 417.29'
LCB N10°20'06"W

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S04°49'32"W	224.37'	224.17'	1540.00'
CURVE 2	S01°30'03"E	296.88'	295.22'	810.00'
CURVE 3	S17°45'18"E	261.86'	261.42'	1303.69'
CURVE 4	N17°58'11"W	246.63'	246.19'	1183.69'
CURVE 5	N01°30'03"W	252.90'	251.49'	690.00'
CURVE 6	N07°04'20"E	111.66'	111.64'	1660.00'
CURVE 7	N34°10'46"E	209.63'	209.26'	1021.35'
CURVE 8	S20°12'23"E	45.56'	45.55'	1123.21'
CURVE 9	S48°57'29"E	311.74'	299.83'	323.70'
CURVE 10	N67°00'44"E	90.52'	90.49'	1021.35'
CURVE 11	N66°44'41"W	127.74'	125.69'	205.70'
CURVE 12	N08°12'56"W	76.00'	76.00'	3528.51'
CURVE 13	N62°37'42"E	748.14'	729.17'	955.35'
CURVE 14	N35°29'34"E	199.09'	156.60'	85.00'
CURVE 15	N26°58'10"E	127.46'	127.37'	955.35'
CURVE 16	N52°16'12"E	435.14'	431.86'	1021.35'

CURVE C
PI 498+80.61
Y 368812.934
X 832188.877
Δ 08°20'51"
R 1600.00'
T 116.76'
L 233.11'
LC 232.90'
LCB N04°49'32"E

CURVE D
PI 619+87.11
Y 369432.269
X 832386.780
Δ 63°51'48"
R 290.70'
T 181.17'
L 324.02'
LC 307.51'
LCB N53°18'00"W

CURVE A
PI 492+83.21
Y 367406.364
X 832571.032
Δ 11°56'17"
R 1243.69'
T 130.04'
L 259.13'
LC 130.04'
LCB N17°58'11"W

CURVE B
PI 495+95.73
Y 368528.475
X 832143.816
Δ 21°00'00"
R 750.00'
T 139.00'
L 274.89'
LC 273.35'
LCB N01°30'03"W

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CSM 2700, 2706, 2708, 2894, 2910, 3404, 4539, 7164	1981, 1983 1985, 1994 2006
CTH H	CSM 2910, 3404, 3146, 2894, 3573, 7164	1983, 1988, 2006

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

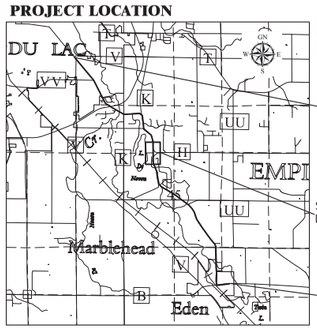
PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
103	TAI HO KWON & EVELYN JONGSUN KWON	FEE	0.10 AC	---	0.10 AC	---
104	JEFFREY J. KRAIG & GAIL J. KRAIG	FEE	0.05 AC	---	0.05 AC	---
106	VALENTINE EPPLI	FEE	0.19 AC	---	0.19 AC	---
107	MARK SCHRANK	FEE TLE	0.09 AC	---	0.09 AC	0.01 AC
108	DANIEL W. SCHRANK & CAROL A. SCHRANK	TLE	---	---	---	0.02 AC
109	LNT, LLC	FEE	1.23 AC	0.44	1.67 AC	---
111	JEFFREY R. BAKER & KELLY BAKER	FEE	2.06 AC	---	2.06 AC	---
112	ROBERT J. SCHUSTER, JR. & ROBIN MARY SCHUSTER, AS TRUSTEES OF THE ROBERT J. JR. & ROBIN MARY SCHUSTER REVOCABLE TRUST, DATED 2-12-2003.	FEE TLE	0.03 AC	---	0.03 AC	0.05 AC
113	LAURA L. BARTOLUTTI REVOCABLE TRUST, DATED 2-27-09	FEE TLE	0.06 AC	---	0.06 AC	0.05 AC
114	MARY JO KEATING	TLE	---	---	---	0.08 AC
116	TIMOTHY M. MCBRIDE & LISA M. MCBRIDE	FEE TLE	0.09 AC	---	0.09 AC	0.01 AC
117	GARY D. SMET & LINDA A. SMET	FEE	0.01 AC	---	0.01 AC	---

BERNTSEN MONUMENT FOUND Y = 369400.503 X = 831821.326

BERNTSEN MONUMENT FOUND Y = 364130.809 X = 831813.391

100D NAIL FOUND Y = 369390.596 X = 834461.321

PROJECT LOCATION



OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 5-10-2016
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-16-2016
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TYR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

109

30
1

Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

DOC# 1055626

Recorded
July 20, 2015 2:21 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $30.00

This Affidavit of Correction applies to Transportation Project Plat 4110-26-21-4.11, recorded in Document Number 1054902 on July 2, 2015, in the Office of the Register of Deeds for Fond du Lac County.

AFFIANT makes this Affidavit for the purpose of correcting the document above as follows:

In the Schedule of Lands & Interest, the owner of Parcel 108 is incorrectly shown as Christopher E. Ott.

The owner of Parcel 108 should be shown as Daniel W. Schrank and Carol A. Schrank.

This space is reserved for recording data

Return to

Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Attn: Real Estate

Parcel Identification Number/Tax Key Number
T08-15-18-31-02-026-00

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.

Carolyn J Sampson
(Signature)

Carolyn J Sampson
(Print Name)

Right of Way Plat Coordinator
(Title)

Subscribed and sworn to before me this date.

7-16-15
(Date)

State of Wisconsin)
) ss.
Brown County)

Ruth A Johnson
(Signature, Notary Public, State of Wisconsin)

Ruth A Johnson
(Print or Type Name, Notary Public, State of Wisconsin)

4-17-17
(Date Commission Expires)

Seal(s)

Project ID 4110-26-21 This instrument was drafted by WisDOT Parcel No. 108

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.11

THAT PART OF LOT 2, CSM 2910, LOT 33, CSM 3146, LOT 32, CSM 3404, LOT 1, CSM 3573, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 31, AND PART OF LOT 2, CSM 2675, LOTS 3 AND 4, CSM 7164, LOCATED IN AND INCLUDING PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 30, ALL IN T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1054902
Recorded July 02, 2015 3:13 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

110

Recorded this 2ND day of July, 2015 at 3:13 PM in VOL. 18 Pg. 61 Doc # 1054902
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.11
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

TOWN

PER COUNTY SURVEYOR FOND DU LAC COUNTY
Y = 374697.532
X = 831739.323

SECTION 30
SE-SW

SECTION 30
SW-SE

SECTION 31
NE-NW

SECTION 31
NW-NE

EMPIRE

OF

ROW MONUMENT TABLE

PT*	Y	X
289	369450.912	832901.436
290	369470.908	832901.813
292	369475.816	832641.859
293	369500.812	832642.331
294	369502.142	832571.894
402	370279.790	832125.953
416	370519.831	832121.705
605	368336.584	832123.266
607	368380.033	832114.030
610	368675.153	832106.298
611	368706.997	832111.341
613	368930.368	832130.199
617	369801.436	832136.110
622	369399.223	832162.534
625	369801.251	832163.106
627	369070.765	832332.001
651	369738.803	832232.402
653	369380.467	832765.225
654	369375.282	833039.830
656	369314.816	832727.578
657	369314.484	832254.576
658	369071.044	832251.807
660	368907.739	832222.805
669	368799.020	832243.610
670	368656.383	832224.821
671	368361.535	832240.643
672	368404.984	832231.407
673	368127.358	832316.595
1893	370647.687	832213.522
1898	370550.883	832260.270
1899	370456.228	832454.343
1900	370280.646	832463.185
1902	369782.906	832357.879
1907	369551.769	832456.412
1924	369040.041	832392.297
1925	368912.536	832301.373
1926	369080.855	832340.365
1940	369345.127	832681.920
1941	369392.084	832516.181
12193	368087.611	832202.987
12195	368087.243	832334.404
2196	368688.226	832229.864
2197	369168.288	832132.905
2198	369168.071	832159.905
2201	370125.945	832129.812
2204	370722.311	832202.661
2205	370723.330	832117.932
2214	369448.273	833041.208
2225	369692.053	832248.136
2226	369588.959	832290.038

LINE TABLE

LINE	BEARING	DISTANCE
L1	N89°32'25"W	27.00'
L2	S08°59'58"W	32.24'
L3	S12°00'03"E	44.42'
L4	S89°50'22"E	131.42'
L5	N23°56'20"W	43.89'
L6	N12°00'03"W	44.42'
L7	N08°59'58"E	32.24'
L8	N00°50'00"W	180.69'
L9	N89°48'03"W	80.20'
L10	N89°17'44"W	27.00'
L11	S27°22'06"E	185.00'
L12	S74°10'54"E	172.26'
L13	N01°04'54"E	73.00'
L14	N88°55'06"W	159.80'
L15	N01°04'54"E	20.00'
L16	N01°04'54"E	25.00'
L17	N88°55'06"W	70.45'
L18	N89°42'59"W	84.73'
L19	S01°26'13"E	153.89'
L20	S89°36'26"E	27.00'
L21	N89°47'06"W	142.11'
L22	S01°04'54"W	20.65'
L23	N01°04'54"E	12.35'
L24	N23°56'20"W	17.06'
L25	N12°00'03"W	44.42'
L26	N08°59'58"E	32.24'
L27	N00°42'06"E	163.41'
L28	S89°48'03"E	27.00'

EXISTING MONUMENT TABLE

PT*	STATION	OFFSET	DESCRIPTION
1254	616+12.35	34.93'	1" IRON PIPE
1269	508+06.24	33.49'	1" IRON PIPE
1270	502+63.75	49.83'	1" IRON PIPE
1271	503+14.77	318.44'	1" IRON PIPE
1274	501+39.58	140.40'	1" IRON PIPE
1275	501+38.33	32.98'	1" IRON PIPE
1276	501+24.96	59.89'	3/4" REBAR
1277	500+12.32	59.82'	1" IRON PIPE
1284	626+64.54	33.11'	1" IRON PIPE
1285	626+64.46	40.20'	3/4" REBAR
1286	627+12.24	40.20'	3/4" REBAR
1287	626+84.49	40.25'	3/4" REBAR
1291	614+72.35	39.80'	3/4" REBAR
1292	614+72.27	59.75'	3/4" REBAR
1293	617+32.55	59.47'	3/4" REBAR
1294	617+32.43	84.74'	3/4" REBAR
1295	618+02.74	84.64'	3/4" REBAR
1455	630+59.77	69.11'	1" IRON PIPE
1460	504+31.88	33.44'	1" IRON PIPE
1461	503+99.07	40.15'	1" IRON PIPE
1463	501+43.07	229.10'	1" IRON PIPE
1464	501+40.47	226.53'	1" IRON PIPE
1466	502+40.70	327.83'	1" IRON PIPE
1544	502+34.98	32.57'	1" IRON PIPE
5126	494+56.04	60.04'	1" IRON PIPE
5127	495+65.72	59.88'	1" IRON PIPE
6044	491+51.58	43.12'	1" IRON PIPE
6049	613+78.75	33.88'	1" IRON PIPE
12840	627+25.84	49.69'	1" IRON PIPE
12850	511+92.45	73.93'	1" IRON PIPE
12860	511+22.49	71.82'	1" IRON PIPE
12870	510+52.53	69.62'	1" IRON PIPE
12880	508+68.04	64.00'	1" IRON PIPE
12900	504+64.75	33.50'	1" IRON PIPE
12910	505+14.92	34.16'	1" IRON PIPE
12920	506+61.02	34.72'	1" IRON PIPE
12960	632+32.45	33.82'	1" IRON PIPE
12970	630+70.16	40.05'	1" IRON PIPE
12980	630+73.09	66.83'	1" IRON PIPE
12990	628+28.09	77.55'	1" IRON PIPE

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S04°49'32"W	224.37'	224.17'	1540.00'
CURVE 2	S01°30'03"E	296.88'	295.22'	810.00'
CURVE 3	S17°45'18"E	261.86'	261.42'	1303.69'
CURVE 4	N17°58'11"W	246.63'	246.19'	1183.69'
CURVE 5	N01°30'03"W	252.90'	251.49'	690.00'
CURVE 6	N07°04'20"E	111.66'	111.64'	1660.00'
CURVE 7	N34°10'46"E	209.63'	209.26'	1021.35'
CURVE 8	S20°12'23"E	45.56'	45.55'	1123.21'
CURVE 9	S48°57'29"E	311.74'	299.83'	323.70'
CURVE 10	N67°00'44"E	90.52'	90.49'	1021.35'
CURVE 11	N66°44'41"W	127.74'	125.69'	205.70'
CURVE 12	N08°12'56"W	76.00'	76.00'	3528.51'
CURVE 13	N62°37'42"E	748.14'	729.17'	955.35'
CURVE 14	N35°29'34"E	199.09'	156.60'	85.00'
CURVE 15	N26°58'10"E	127.46'	127.37'	955.35'
CURVE 16	N52°16'12"E	435.14'	431.86'	1021.35'

CURVE A
PI 492+83.21
Y 367406.364
X 832741.032
Δ 11°56'17"
R 1243.69'
T 130.04'
L 259.13'
LC 130.04'
LCB N17°58'11"W

CURVE B
PI 495+95.73
Y 368528.475
X 832143.816
Δ 21°00'00"
R 750.00'
T 139.00'
L 274.89'
LC 273.35'
LCB N01°30'03"W

CURVE C
PI 498+80.61
Y 368812.934
X 832188.877
Δ 08°20'51"
R 1600.00'
T 116.76'
L 233.11'
LC 232.90'
LCB N04°49'32"E

CURVE D
PI 619+87.11
Y 369432.269
X 832386.780
Δ 63°51'48"
R 290.70'
T 181.17'
L 324.02'
LC 307.51'
LCB N53°18'00"W

CURVE E
PI 624+57.54
Y 369906.038
X 832201.414
Δ 22°04'00"
R 1090.21'
T 212.57'
L 419.88'
LC 417.29'
LCB N10°20'06"W

CURVE F
PI 629+78.89
Y 370432.625
X 832207.831
Δ 09°38'12"
R 3488.51'
T 294.06'
L 586.73'
LC 586.04'
LCB N04°07'12"W

DETAIL A

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CSM 2700, 2706, 2708, 2894, 2910, 3404, 4539, 7164	1981, 1983, 1985, 1994, 2006
CTH H	CSM 2910, 3404, 3146, 2894, 3573, 7164	1983, 1988, 2006

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
103	TAI HO KWON & EVELYN JONGSUN KWON	FEE	0.10 AC	---	0.10 AC	---
104	JEFFREY J. KRIAG & GAIL J. KRIAG	FEE	0.05 AC	---	0.05 AC	---
106	VALENTINE EPPLI	FEE	0.19 AC	---	0.19 AC	---
107	MARK SCHRANK	FEE TLE	0.09 AC	---	0.09 AC	0.01 AC
108	DANIEL W. SCHRANK & CAROL A. SCHRANK	TLE	---	---	---	0.02 AC
109	LNT, LLC	FEE	1.23 AC	0.44	1.67 AC	---
111	SID INVESTMENTS	FEE	2.06 AC	---	2.06 AC	---
112	ROBERT J. SCHUSTER, JR. & ROBIN MARY SCHUSTER, AS TRUSTEES OF THE ROBERT J. JR. & ROBIN MARY SCHUSTER REVOCABLE TRUST, DATED 2-12-2003.	FEE TLE	0.03 AC	---	0.03 AC	0.05 AC
113	LARURA L. BARTOLUTTI REVOCABLE TRUST, DATED 2-27-09	FEE TLE	0.06 AC	---	0.06 AC	0.05 AC
114	MARY JO KEATING	TLE	---	---	---	0.08 AC
116	TIMOTHY M. MCBRIDE & LISA M. MCBRIDE	FEE TLE	0.09 AC	---	0.09 AC	0.01 AC
117	GARY D. SMET & LINDA A. SMET	FEE	0.01 AC	---	0.01 AC	---

BERNTSEN MONUMENT FOUND
Y = 369400.503
X = 831821.326

BERNTSEN MONUMENT FOUND
Y = 364130.809
X = 831813.391

100D NAIL FOUND
Y = 369390.596
X = 834461.321

END PROJECT

BEGIN PROJECT

SHEET LOCATION

PROJECT LOCATION

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TYR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.12 AMENDMENT NO. 2

AMENDS PARCEL 126 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.12 AMENDMENT NO. 1, RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLAT, PAGE 84, DOCUMENT NO. 1068555

THAT PART OF LOTS 1 & 2, CSM 7164, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER AND THAT PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

W E

S

SCALE, FEET

0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

DOC# 1071344

Recorded
July 26, 2016 10:39 AM

SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 25TH day of July, 2016 at 10:39 AM in VOL 18 Pg. 87 Doc # 1071344
Shawn M. Kelly Register of Deeds
Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.12
AMENDMENT NO: 2

111

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
117	GARY D. SMET & LINDA A. SMET	FEE TLE	0.01 AC	---	0.01 AC	0.04 AC
118	SCOTT JOHNSON LAND COMPANY LLC.	TLE	---	---	---	0.03 AC
119	BARB FUSCALDO, ELIZABETH BAUM & CHRIS BOND	TLE	---	---	---	0.01 AC
120	ERIC J. FLOOD & ERIN C. FLOOD	TLE	---	---	---	0.09 AC
121	BRADLEY D. LENZ & JULIE M. LENZ	TLE	---	---	---	0.01 AC
122	JOHN A. & MARY M. EVANS, TRUSTEES OF THE JOHN A. EVANS & MARY M. EVANS REVOCABLE TRUST DATED 9-27-00	TLE	---	---	---	0.01 AC
123	THE ESTATE OF CARL W. GANTNER DECEASED & EILEEN M GANTNER	TLE	---	---	---	0.06 AC
124	GARY A. GRUENEWALD & VICKI L. GRUENEWALD	FEE TLE	0.03 AC	0.46 AC	0.49 AC	0.03 AC
126	BRUCE G. KASTORFF & DORIS A. KASTORFF	FEE	0.03 AC	0.29 AC	0.32 AC	---

LINE TABLE

LINE	BEARING	DISTANCE
L1	S00°38'57"W	44.22'
L2	S89°21'03"E	32.97'
L3	S57°45'08"E	67.25'
L4	S21°48'48"W	38.80'
L5	S50°39'46"E	13.00'
L6	N89°54'34"E	58.26'
L7	S01°03'40"E	71.28'
L8	S89°42'59"E	84.73'
L9	S00°08'04"W	9.96'
L10	N09°18'54"W	33.30'
L11	N50°39'46"W	25.00'
L12	N86°55'00"W	37.20'
L13	N08°06'18"W	66.00'
L14	N89°44'03"W	66.71'
L15	S00°39'05"W	21.78'
L16	N00°53'13"W	1324.55'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	PLAT OF ELMWOOD A. QUICK ACRES	1952
	OVERLAND HEIGHTS, LAKE DENEVEU ESTATES CSM 6510, 7164	2000, 2003 2001, 2006
RHINEHARDT ROAD	PLAT OF ELMWOOD A. QUICK ACRES CSM 5925	1952
OVERLAND TRAIL	OVERLAND HEIGHTS	2000
NORTHSHORE LANE	CSM VOL. 1, PGS 6-6A	1952

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1148	650+27.91	67.65'	3/4" REBAR
1149	652+11.43	32.88'	1" IRON PIPE
1161	655+15.30	33.05'	2" IRON PIPE
1166	658+35.39	33.19'	3/4" REBAR
1167	663+13.59	33.28'	3/4" REBAR
1288	634+12.86	40.09'	3/4" REBAR
1289	637+08.34	40.00'	3/4" REBAR
1290	640+43.77	39.99'	3/4" REBAR
1470	642+34.64	34.18'	1" IRON PIPE
1471	645+28.06	34.77'	1" IRON PIPE
12930	634+88.45	39.35'	1" IRON PIPE
12940	634+68.13	34.46'	1" IRON PIPE

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S30°57'45"E	371.20'	363.93'	539.82'
CURVE 2	S10°44'42"E	62.53'	62.53'	3455.51'
CURVE 3	N10°02'53"W	149.68'	149.67'	3528.51'
CURVE 4	N28°02'43"W	358.99'	353.88'	612.82'
CURVE 5	N47°24'40"W	68.74'	68.71'	605.82'
CURVE 6	N29°23'02"W	401.06'	391.90'	539.96'

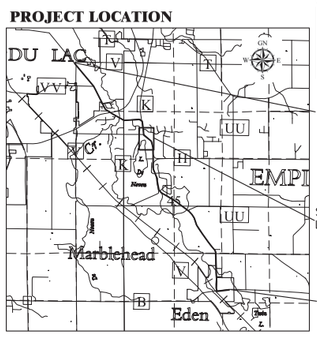
NOTE: EXISTING ACCESS CONTROL USH 45 ESTABLISHED FROM LAKE DE NEVEU ESTATES. PLAT OF ELMWOOD A. QUICK HEIGHTS, OVERLAND HEIGHTS AND CSM NO. 6510 RECORDED IN VOLUME 45, PAGES 5-5B, DOCUMENT NO. 788093.

CURVE A
PI 633+42.35
Y 370793.039
X 832151.146
Δ 02°19'30"
R 3488.51'
T 70.79'
L 141.57'
LC 141.56'
LCB N10°06'03"W

CURVE B
PI 639+13.43
Y 371353.139
X 832039.600
Δ 39°23'55"
R 572.82'
T 205.09'
L 393.89'
LC 386.18'
LCB N30°57'45"W

CURVE C
PI 650+06.32
Y 372056.236
X 831181.728
Δ 42°33'25"
R 572.96'
T 223.14'
L 425.57'
LC 415.85'
LCB N29°23'02"W

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

ROW MONUMENT TABLE

PT#	Y	X
221	370870.286	832176.548
222	371159.810	832118.888
231	371472.135	831952.505
244	372650.519	831130.427
246	372585.178	831139.732
276	371508.688	831901.897
277	371940.313	831375.227
579	372074.982	831142.459
704	372008.613	831174.676
732	370856.027	832104.954
733	371145.552	832047.294
734	371457.622	831860.060
T840	373376.814	831026.994
1847	371728.686	831470.953
1848	371728.778	831529.210
1850	371772.940	831475.310
1851	371736.930	831460.900
1853	371843.213	831493.704
1855	371792.502	831555.578
1856	371825.365	831550.188
1858	371841.212	831530.852
1912	370794.593	832116.612
T2204	370722.911	832202.661
T2205	370723.330	832117.932
T2183	373377.123	830960.285
2218	371462.171	831952.481
2219	371972.729	831231.553
2223	372281.799	831182.937
2234	372275.281	831117.199

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 7-15-2016
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 7-15-2016
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

4

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.12 AMENDMENT NO. 1

REMOVES PARCEL 111, ADDS PARCEL 120 AND AMENDS PARCEL 126 OF TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.12 RECORDED IN VOLUME 18 OF TRANSPORTATION PROJECT PLAT, PAGE 62, DOCUMENT NO. 1054915

THAT PART OF LOTS 1 & 2, CSM 7164, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER AND THAT PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET

0 100 200

DOC# 1068555

Recorded May 24, 2016 2:16 PM

SHAWN KELLY REGISTER OF DEEDS FOND DU LAC COUNTY Fee Amount: $25.00

Recorded this 24TH day of May, 2016 at 2:16 PM in VOL 18 Pg. 84 Doc # 1068555

Shawn M Kelly Register of

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.12
AMENDMENT NO: 1

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
117	GARY D. SMET & LINDA A. SMET	FEE TLE	0.01 AC	---	0.01 AC	0.04 AC
118	SCOTT JOHNSON LAND COMPANY LLC.	TLE	---	---	---	0.03 AC
119	BARB FUSCALDO, ELIZABETH BAUM & CHRIS BOND	TLE	---	---	---	0.01 AC
120	ERIC J. FLOOD & ERIN C. FLOOD	TLE	---	---	---	0.09 AC
121	BRADLEY D. LENZ & JULIE M. LENZ	TLE	---	---	---	0.01 AC
122	JOHN A. & MARY M. EVANS, TRUSTEES OF THE JOHN A. EVANS & MARY M. EVANS REVOCABLE TRUST DATED 9-27-00	TLE	---	---	---	0.01 AC
123	THE ESTATE OF CARL W. GANTNER DECEASED & EILEEN M GANTNER	TLE	---	---	---	0.06 AC
124	GARY A. GRUENEWALD & VICKI L. GRUENEWALD	FEE TLE	0.03 AC	0.46 AC	0.49 AC	0.03 AC
126	BRUCE G. KASTORFF & DORIS A. KASTORFF	FEE	0.06 AC	0.29 AC	0.35 AC	---

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	PLAT OF ELMWOOD A. QUICK ACRES	1952
	OVERLAND HEIGHTS, LAKE DENEVEU ESTATES	2000, 2003
	CSM 6510, 7164	2001, 2006
RHINEHARDT ROAD	PLAT OF ELMWOOD A. QUICK ACRES CSM 5925	1952
OVERLAND TRAIL	OVERLAND HEIGHTS	2000
NORTHSHORE LANE	CSM VOL. 1, PGS 6-6A	1952

LINE TABLE

LINE	BEARING	DISTANCE
L1	S00°38'57"W	44.22'
L2	S89°21'03"E	32.97'
L3	S57°45'08"E	67.25'
L4	S07°53'38"E	54.49'
L5	S50°39'46"E	25.00'
L6	N89°54'34"E	58.26'
L7	S01°03'40"E	71.28'
L8	S89°42'59"E	84.73'
L9	S00°08'04"W	9.96'
L10	N09°18'54"W	33.30'
L11	N50°39'46"W	25.00'
L12	N86°55'00"W	37.20'
L13	N08°06'18"W	66.00'
L14	N89°44'03"W	66.71'
L15	S00°39'05"W	21.78'
L16	N00°53'13"W	1324.55'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1148	650+27.91	67.65'	3/4" REBAR
1149	652+11.43	32.88'	1" IRON PIPE
1161	655+15.30	33.05'	2" IRON PIPE
1166	658+35.39	33.19'	3/4" REBAR
1167	663+13.59	33.28'	3/4" REBAR
1288	634+12.86	40.09'	3/4" REBAR
1289	637+08.34	40.00'	3/4" REBAR
1290	640+43.77	39.99'	3/4" REBAR
1470	642+34.64	34.18'	1" IRON PIPE
1471	645+28.06	34.77'	1" IRON PIPE
12930	634+88.45	39.35'	1" IRON PIPE
12940	634+68.13	34.46'	1" IRON PIPE

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	S30°57'45"E	371.20'	363.93'	539.82'
CURVE 2	S10°44'42"E	62.53'	62.53'	3455.51'
CURVE 3	N10°02'53"W	149.68'	149.67'	3528.51'
CURVE 4	N28°02'43"W	358.99'	353.88'	612.82'
CURVE 5	N47°24'40"W	68.74'	68.71'	605.82'
CURVE 6	N29°23'02"W	401.06'	391.90'	539.96'

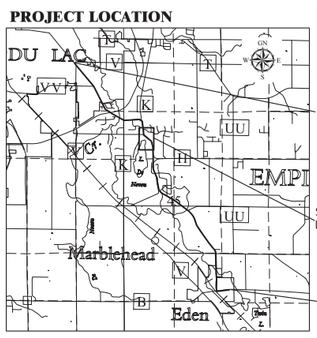
NOTE: EXISTING ACCESS CONTROL USH 45 ESTABLISHED FROM LAKE DE NEVEU ESTATES. PLAT OF ELMWOOD A. QUICK HEIGHTS, OVERLAND HEIGHTS AND CSM NO. 6510 RECORDED IN VOLUME 45, PAGES 5-5B, DOCUMENT NO. 788093.

CURVE A
PI 633+42.35
Y 370793.039
X 832151.146
Δ 02°19'30"
R 3488.51'
T 70.79'
L 141.57'
LC 141.56'
LCB N10°06'03"W

CURVE B
PI 639+13.43
Y 371353.139
X 832039.600
Δ 39°23'55"
R 572.82'
T 205.09'
L 393.89'
LC 386.18'
LCB N30°57'45"W

CURVE C
PI 650+06.32
Y 372056.236
X 831181.728
Δ 42°33'25"
R 572.96'
T 223.14'
L 425.57'
LC 415.85'
LCB N29°23'02"W

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

ROW MONUMENT TABLE

PT#	Y	X
221	370870.286	832176.548
222	371159.810	832118.888
231	371472.135	831952.505
244	372650.519	831130.427
246	372585.178	831139.732
276	371508.688	831901.897
277	371940.313	831375.227
579	372074.982	831142.459
704	372008.613	831174.676
732	370856.027	832104.954
733	371145.552	832047.294
734	371457.622	831860.060
735	371972.729	831231.553
T840	373376.814	831026.994
1847	371728.686	831470.953
1848	371728.778	831529.210
1850	371798.505	831444.133
1851	371744.533	831451.617
1853	371843.213	831493.704
1855	371792.502	831555.578
1856	371825.365	831550.188
1858	371841.212	831530.852
1912	370723.330	832117.932
T2204	370722.911	832202.661
T2205	370723.330	832117.932
T2183	373377.123	830960.285
2218	371462.171	831952.481
2223	372281.799	831182.937
2234	372275.281	831117.199

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 5-10-2016

(PRINTED NAME) DAVID A. YURK

(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 5-16-2016

(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.12

THAT PART OF LOTS 1 & 2, CSM 7164, LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER AND THAT PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 30, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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GN

W E

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SCALE, FEET

0 100 200

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

DOC# 1054915

Recorded
July 02, 2015 3:33 PM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: 125.00

113

Recorded this 2ND day of July, 2015 at 3:33 PM in VOL 18 Pg. 62 Doc # 1054915
Shawn Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.12
AMENDMENT NO:...

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

SCHEDULE OF LANDS AND INTEREST

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
111	SID INVESTMENTS	TLE	---	---	---	0.09 AC
117	GARY D. SMET & LINDA A. SMET	FEE TLE	0.01 AC	---	0.01 AC	0.04 AC
118	SCOTT JOHNSON LAND COMPANY LLC.	TLE	---	---	---	0.03 AC
119	BARB FUSCALDO, ELIZABETH BAUM & CHRIS BOND	TLE	---	---	---	0.01 AC
121	BRADLEY D. LENZ & JULIE M. LENZ	TLE	---	---	---	0.01 AC
122	JOHN A. & MARY M. EVANS, TRUSTEES OF THE JOHN A. EVANS & MARY M. EVANS REVOCABLE TRUST DATED 9-27-00	TLE	---	---	---	0.01 AC
123	THE ESTATE OF CARL W. GANTNER DECEASED & EILEEN M GANTNER	TLE	---	---	---	0.06 AC
124	GARY A. GRUENEWALD & VICKI L. GRUENEWALD	FEE TLE	0.03 AC	0.46 AC	0.49 AC	0.03 AC
126	BRUCE G. KASTROFF & DORIS A. KASTROFF	FEE	0.06 AC	0.29 AC	0.35 AC	---

LINE TABLE

LINE	BEARING	DISTANCE
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ROAD NAME	BASIS OF EXISTING R/W	YEAR
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	OVERLAND HEIGHTS, LAKE DENEVEU ESTATES CSM 6510, 7164	2000, 2003 2001, 2006
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EXISTING MONUMENT TABLE

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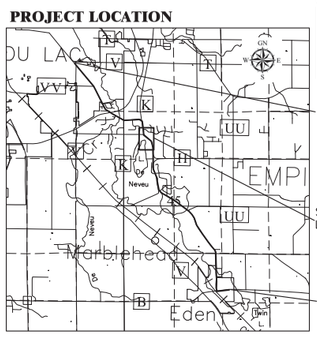
NOTE: EXISTING ACCESS CONTROL USH 45 ESTABLISHED FROM LAKE DE NEVEU ESTATES. PLAT OF ELMWOOD A. QUICK HEIGHTS, OVERLAND HEIGHTS AND CSM NO. 6510 RECORDED IN VOLUME 45, PAGES 5-5B, DOCUMENT NO. 788093.

CURVE A
PI 633+42.35
Y 370793.039
X 832151.146
Δ 02°19'30"
R 3488.51'
T 70.79'
L 141.57'
LC 141.56'
LCB N10°06'03"W

CURVE B
PI 639+13.43
Y 371353.139
X 832039.600
Δ 39°23'55"
R 572.82'
T 205.09'
L 393.89'
LC 386.18'
LCB N30°57'45"W

CURVE C
PI 650+06.32
Y 372056.236
X 831181.728
Δ 42°33'25"
R 572.96'
T 223.14'
L 425.57'
LC 415.85'
LCB N29°23'02"W

PROJECT LOCATION



UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
303	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

ROW MONUMENT TABLE

PT#	Y	X
221	370870.286	832176.548
222	371159.810	832118.888
231	371472.135	831952.505
244	372650.519	831130.427
246	372585.178	831139.732
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T840	373376.814	831026.994
1847	371728.686	831470.953
1848	371728.778	831529.210
1850	371798.505	831444.133
1851	371744.533	831451.617
1853	371843.213	831493.704
1855	371792.502	831555.578
1856	371825.365	831550.188
1858	371841.212	831530.852
1912	370794.593	832116.612
T2204	370722.911	832202.661
T2205	370723.330	832117.932
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2218	371462.171	831952.481
2223	372281.799	831182.937
2234	372275.281	831117.199

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.13

THAT PART OF LOTS 1 & 2, CSM 7590, LOT 1, LAKE DE NEVEU ESTATES LOCATED IN AND INCLUDING PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER AND THAT PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 30, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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GN W E S

SCALE, FEET
0 100 200

DOC# 1054924
Recorded
July 06, 2015 8:37 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 6TH day of July, 2015 at 8:37 AM in VOL. 18 Pg. 63 Doc # 1054924
Shawn H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.13
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

4

4

UTILITIES INTEREST REQUIRED

UTILITY NO.	OWNER(S)	INTEREST REQUIRED
300	ALLIANT	RELEASE OF RIGHTS
302	WE ENERGIES ELECTRICAL	RELEASE OF RIGHTS
307	EMPIRE SANITARY DISTRICT NO. 1	RELEASE OF RIGHTS

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CSM 2938, 3168, 7590 DE NEVEU ESTATES	1983, 1985, 2010, 2004
CTH K (SOUTH)	FOND DU LAC PLAT OF R/W, RW PROJECT 4080-0-21	NO DATE, 1977
CTH K (NORTH)	CSM 670	1973
BOYKE DRIVE	DE NEVEU ESTATES	2004

LINE TABLE

LINE	BEARING	DISTANCE
L-1	S89°12'37"E	7.00'
L-2	N03°51'27"W	7.00'
L-3	S49°17'02"E	42.60'
L-4	N89°12'56"E	66.14'
L-5	N72°58'10"E	150.76'
L-6	S08°06'18"E	130.61'
L-7	S89°44'03"E	66.71'
L-8	S83°01'45"W	66.00'

ROW MONUMENT TABLE

PT#	Y	X
165	373428.552	828992.515
175	373658.001	829871.310
176	373630.212	829903.599
380	373740.779	830105.833
381	373675.272	830113.879
397	373506.426	830941.871
398	373739.344	830637.909
830	373837.279	830895.079
840	373376.814	831026.994
847	373631.118	829969.733
2176	373709.024	828993.409
2177	373428.455	828999.515
2181	373845.289	830960.594
T2183	373377.123	830960.285
2184	373607.610	829159.964
2185	373600.627	829160.435
2186	373682.436	829282.223

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTIONS
1155	663+70.48	33.00'	1" IRON PIPE
1156	679+19.54	32.87'	1" IRON PIPE
1158	676+03.68	66.77'	1 1/4" REBAR
1167	663+13.59	33.28'	3/4" REBAR
1168	666+68.00	138.29'	1" IRON PIPE
1169	680+70.55	33.14'	1" IRON PIPE
1170	682+57.13	35.09'	1" IRON PIPE
1171	674+58.55	33.04'	1" IRON PIPE

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N43°03'55"E	259.43'	235.67'	172.53'
CURVE 2	S52°32'17"E	424.20'	382.94'	273.50'
CURVE 3	N84°44'25"W	291.32'	290.04'	896.30'

CURVE B
PI 684+33.87
Y 373639.059
X 829136.895
△ 18°06'04"
T 148.03'
R 929.29'
L 293.59
LC 292.37
LCB N85°00'04"W

CURVE A
PI 667+55.63
Y 373808.569
X 830932.175
△ 88°51'57"
T 300.49'
R 306.50'
L 475.38
LC 429.15
LCB N52°32'17"W

TOWN OF EMPIRE

SECTION 30 NW-NW

SECTION 30 NE-NW

SECTION 30 SW-NW

SECTION 30 SE-NW

PER COUNTY SURVEYOR FOND DU LAC COUNTY Y =374706.115 X =828996.585

MAG NAIL FOUND Y =372066.395 X =828988.176

MANSKE DRIVE

CTH K

USH 45

BOYKE DR.

LAKE DE NEVEU ESTATES

LOT 1 CSM 2938 VOL 16, PG 24-24A, DOC NO. 391112

LOT 1 CSM 7590 VOL 55, PG 96-96B, DOC NO. 975771

LOT 2 CSM 7590 VOL 55, PG 96-96B, DOC NO. 975771

LOT 1 CSM 3168 VOL 17, PG 54-54B, DOC NO.411474

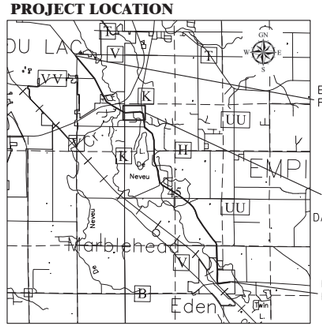
LOT 1 CSM 670 VOL 5, PG 90-90B, DOC NO.279161

25' DRIVEWAY EASEMENT VOL 335, PG 161-162 DOC. NO. 95985

TLE FOR SLOPING

VISION TRIANGLE PER LAKE DE NEVEU ESTATES

PROJECT LOCATION



OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.13 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
127	DWIGHT O. WEISER & JOAN M. WEISER TES, LLP.	TLE	---	---	---	0.07 AC
128	SCOTT R. BALL & DIANNE M. BALL	TLE	---	---	---	0.06 AC
129	VERNON M. IMMEL & LILA M. IMMEL	TLE	---	---	---	0.09 AC
130	JAMES P. DREIFUERST & CATHY L. DREIFUERST	TLE	---	---	---	0.01 AC
131	DANIEL F. BAUER & LUANN BAUER	TLE	---	---	---	0.03 AC
132	MICHAEL J. MUELLER	TLE	---	---	---	0.20 AC
133	BARBARA B. SCHAEFER, A LIFE ESTATE, AND AN UNDIVIDED 1/4 INTEREST EACH AS TENANTS IN COMMON AS TO THE REMAINDER INTEREST TO MARK W. SCHAEFER, JEAN A. SCHAEFER, MICHAEL J. SCHAEFER & CATHERINE M. LONRENGAL	TLE	---	---	---	0.05 AC

UTILITIES EASEMENT TABLE

NO.	OWNER(S)
1	ALLIANT ENERGIES F/K/A WISCONSIN POWER AND LIGHT 20' UNDERGROUND GAS EASEMNT VOL 520, PG 50-51, DOC. NO. 204240, VOL 663 PG 122 DOC. NO. 265883
2	TOWN OF EMPIRE SANITARY DISTRICT NO. 1, 50' SANITARY EASEMENT DOC. 882320, DOC. 806564
3	15' UTILITY EASEMENT LAKE DE NEVEU ESTATES
4	20' UTILITY EASEMENT LAKE DE NEVEU ESTATES
5	WE ENERGIES F/K/A WISCONSIN BELL, INC. 20' EASEMNT VOL 884, PG 796-798, DOC. NO. 403141
6	7.5' UTILITY EASEMENT PER CSM 7590

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG PLOT DATE : 5/14/2015 1:33 PM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK

APPRAISAL PLAT DATE : _____

---------- ---------- 4.---

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.14

THAT PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, T15N, R17E, TOWN OF FOND DU LAC, FOND DU LAC COUNTY, WISCONSIN.

USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

GN W E S

SCALE, FEET
0 100 200

DOC# 1054925
Recorded
July 06, 2015 8:46 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 6TH day of July, 2015 at 8:46 AM in VOL. 18 Pg. 64 Doc # 1054925
Shawn H Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.14
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

NOTE:
EXISTING ACCESS CONTROL ALONG USH 151 ESTABLISHED FROM PREVIOUS RIGHT-OF-WAY PROJECT 1420-05-20 REVISED APRIL 4, 2005, AND CSM NO 6292, RECORDED IN VOLUME 42, PAGES 89-89B.

4

LOT 3 BOWHOUSEN'S SUBDIVISION LOT 4 LOT 5 LOT 6 LOT 7 LOT 29 TAKODAH HEIGHTS LOT 28 LOT 27 LOT 26 SUBDIVISION

TOWN OF FOND DU LAC

S88°39'23"E 743.24' (TO R/L)

0.75"REB

BERNTSEN MONUMENT FOUND
Y =374768.762
X =826325.524

STA 707+87.91
Y:374751.335
X:827068.557

PC 707+12.33
Y:374710.621
X:827132.202

CURVE B

SEC. LINE 2671.80' (CORNER TO CORNER)

PER COUNTY SURVEYOR
FOND DU LAC COUNTY
Y =374706.115
X =828996.585

TOWN OF EMPIRE

CSM 5426
VOL. 34. PG. 33-33A
DOC. NO. 628124

SECTION 25
NW-NE

SECTION 25
NE-NE

SECTION 30
NW-NW

1/16 LINE

USH 151
(R/W WIDTH VARIES)

N59°56'08"W 700.00'

S64°45'27"W 535.90'

LOT 3 CSM 6292 VOL. 42. PG. 89-89B

696+48.67 365.63' RW (114)

OUTLOT 1 CSM 6292 VOL. 42. PGS. 89-89B DOC. NO.

277.54'

N13°12'55"E

695+68.23 100.00' RW (115)

N42°31'49"W 133.73'

694+40.62 60.00' RW (123)

LOT 2 CSM 6292 VOL. 42. PGS. 89-89B

LOT 2 CSM 2409 VOL. 12. PG. 167

PARCEL A CSM 891 VOL. 6. PG. 151

2639.73' (CORNER TO CORNER)

997.10'

MANSKE DRIVE

SEC. LINE

S00°10'57"W

S00°10'57"W

50'

685+87.88 33.00" RW (2176)

STA 685+79.43
Y:373674.995
X:828993.300

PROJECT LOCATION

END PROJECT

SHEET LOCATION

BEGIN PROJECT

DU LAC, Neveu, Marblehead, Eden, EMPIRE

RADEMANN'S VALLEY CREEK ADDITION

LOT 29 LOT 30 LOT 31 LOT 32

VALLEY CREEK CT.

VALLEY CREEK RD.

FOND DU LAC

699+53.70 75.00' RW (125)

1176 699+54.31

1175 699+05.53

293.16'

75.00'

L-3

66'

696+60.54 75.00" RW (163)

695+95.90 60.00' RW (2175)

VISION CORNER EASEMENT PER RADEMANN'S VALLEY CREEK ADDITION

1183 695+68.27

1181 694+40.58

N59°56'08"W

60.06'

S59°56'08"E

695+00

R/L

PT 688+39.17
Y:373772.218
X:828753.350

1873.16'

786.41'

855.04'

147 686+44.36 40.54' RW

CURVE A

L-2

471 687+47.13 64.87' RW

S59°56'08"E 213.27'

L-1

1609.61' (TO R/L)

1497.80'

CTH K

N00°10'57"E

N00°10'57"E

1/16 LINE

MAG NAIL FOUND
Y =372066.395
X =828988.176

CURVE B
PI 707+50.14
Y 374729.565
X 827099.475
Δ 05°05'07"
R 851.51'
T 37.81'
L 75.58'
LC 75.55'
LCB N57°23'34"W

CURVE A
PI 687+10.15
Y 373706.730
X 828866.486
Δ 16°00'52"
R 929.29'
T 130.72'
L 259.74'
LC 258.90'
LCB N67°56'36"W

ROW MONUMENT TABLE

PT#	Y	X
114	374494.196	828235.926
115	374224.005	828172.477
123	374125.457	828262.876
125	374265.658	827751.195
147	373731.488	828943.480
163	374118.793	828004.913
471	373671.041	828808.374
2175	374099.392	828068.370
2176	373709.024	828993.409

LINE TABLE

LINE	BEARING	DISTANCE
L-1	N00°10'57"E	144.83'
L-2	N65°46'32"W	54.75'
L-3	S73°00'02"E	66.36'

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1175	699+05.53	75.02'	1" IRON PIPE
1176	699+54.31	75.21'	2" IRON PIPE
1181	694+40.58	60.06'	3/4" REBAR
1183	695+68.27	99.90'	3/4" REBAR

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	R/W PROJECT 4080-00-21	1977
	RADEMANN'S VALLEY CREEK ADDITION	1996
	CSM 6292	2002
USH 151	CSM 5420	1997
	R/W PROJECT 1420-05-71	2000
VALLEY CREEK RD.	RADEMANN'S VALLEY CREEK ADDITION	1995
CTH K	FOND DU LAC COUNTY R/W MAP	NO DATE
MANSKE DR.	CSM 891, 2409, 6292	NO DATE

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.14 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
PLOT DATE : 5/14/2015 1:37 PM
PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE : _____

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.15

THAT PART OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, PART OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER, PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER, AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER, CITY OF FOND DU LAC, AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER, TOWN OF FOND DU LAC, ALL IN SECTION 24, T15N, R17E, FOND DU LAC COUNTY, WISCONSIN.

STH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(2), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

GN W E S

SCALE, FEET
0 100 200

DOC# 1054926
Recorded
July 06, 2015 8:55 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 6TH day of July, 2015 at 8:55 AM in VOL. 18 Pg. 65 Doc # 1054926
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.15
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

CTH VV
(E. POINEER RD)

S89°03'48"E 1951.77'
S89°03'48"E 1985.48'
TO R/L

STA 738+20.73
Y:377412.254
X:825647.497

2665.56' (CORNER TO CORNER)
1/4 LINE

738+02.06
33.00' RW
T2160

DETAIL A

PI 738+08.49
Y:377402.883
X:825655.376

737+98.63
33.00' RW
577

N89°03'48"W
2652.86'

COMPUTED STRAIGHT LINE INTERSECTION
Y =377401.137
X =826327.489

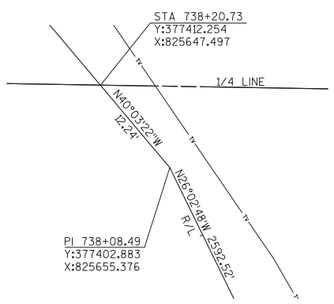
BERNTSEN MONUMENT FOUND
Y =377444.709
X =823662.284

BERNTSEN MONUMENT FOUND
Y =377357.773
X =828979.990

EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1185	712+69.52	32.92'	1" IRON PIPE
1186	712+15.91	33.16'	1" IRON PIPE
1190	709+90.01	89.90'	3/4" REBAR
1191	709+49.32	143.47'	3/4" REBAR
1195	712+15.82	32.88'	3/4" REBAR
1197	708+17.60	60.55'	1" IRON PIPE
1198	706+46.42	80.78'	3/4" REBAR
1201	715+94.13	33.12'	1" IRON PIPE
1204	716+63.40	33.21'	2" IRON PIPE
1205	718+51.49	33.13'	2" IRON PIPE
1206	715+08.58	32.62'	1" IRON PIPE
1217	733+48.65	32.82'	1" IRON PIPE
1218	727+86.87	32.77'	1" IRON PIPE
1264	732+36.08	33.06'	2" IRON PIPE

DETAIL A



LINE TABLE

LINE	BEARING	DISTANCE
L1	S26°02'48"E	37.03'
L2	S26°02'48"E	73.09'
L3	S26°02'48"E	53.55'
L4	S06°04'11"W	46.04'
L5	N71°15'18"W	164.19'
L6	N52°18'27"W	90.00'
L7	N46°57'33"W	100.00'
L8	N14°50'43"W	49.71'
L9	N25°48'36"W	25.00'
L10	N35°13'42"W	76.02'
L11	N26°02'48"W	69.05'
L12	N89°03'48"W	74.06'
L13	N40°03'22"W	12.24'
L14	S48°35'29"W	36.72'

ROW MONUMENT TABLE

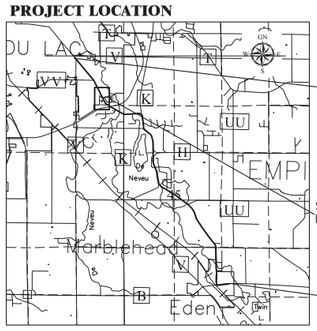
PT#	Y	X
89	374747.554	827229.755
90	374800.318	827074.274
98	375059.180	826764.110
128	375490.019	826627.002
132	375107.290	826740.596
577	377379.535	825630.057
T2160	377411.594	825687.849
2166	376085.804	826262.356
2167	376104.824	826326.521
2169	375427.979	826657.323
2170	375172.960	826708.501
2171	374827.277	826850.494
2318	374757.209	826818.088
2320	374781.494	826845.626
2322	375165.990	826785.368
2323	375103.893	826829.219
2324	375081.386	826840.103
2325	375033.336	826852.839
2326	374855.347	827003.055

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	WURTZ SUBDIVISION	1950
	TAKODAH HEIGHTS SUBDIVISION	1955
	BOWHOUSEN'S SUBDIVISION	1957
	SCHNEIDERS ADDITION	1974
	CSM 3292	
	TPP PROJECT 1420-22-21-4.04	2014
CTH VV	SCHNEIDERS ADDITION	1974
GLYNN AVE.	BOWHOUSEN'S SUBDIVISION	1955
TAKODAH DR.	TAKODAH HEIGHTS SUBDIVISION	1957

NOTE:
EXISTING ACCESS CONTROL ALONG USH 151 ESTABLISHED FROM PREVIOUS PROJECTS 1420-05-20 REVISED APRIL 4, 2005.

NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM PREVIOUS RIHGT-OF-WAY PROJECT 1420-05-20 REVISED APRIL 4, 2000 AND FROM TAKADAH HEIGHTS SUBDIVISION AND BOWHOUSEN'S SUBDIVISION.

PROJECT LOCATION



CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N35°06'06"W	134.28'	134.13'	818.51'

CURVE A
PI 710+06.57
Y 374877.220
X 826889.772
Δ 28°48'13"
R 851.51'
T 218.66'
L 428.07'
LC 423.57'
LCB N40°26'54"W

BERNTSEN MONUMENT FOUND
Y =374768.762
X =826325.524

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.15 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

SECTION 24 SE-SW
SECTION 24 SW-SE
SECTION 24 NW-SE
SECTION 24 WURTZ'S SUBDIVISION NE-SW

CITY OF FOND DU LAC
TOWN OF FOND DU LAC

SCHNEIDERS ADDITION
LOT 6 LOT 7 LOT 8 LOT 9 LOT 10

LOT 3 LOT 4 LOT 5 LOT 6 LOT 7 LOT 8

LOT 1 CSM 3292 VOL. 18 PG. 13
LOT 2 CSM 3292 VOL. 18 PG. 13

USH 45
(TO R/W LINE)
1/4 LINE
1/16 LINE
1296.31'
2632.38' (CORNER TO CORNER)
S00°02'34"W
N26°02'48"W
S26°02'48"E
1459.98'
1454.49'
723+47.57
33.00' RW
2167
723+58.65
33.00' RW
2166

TAKODAH
TAKODAH DRIVE
TAKODAH HEIGHTS
BOWHOUSEN'S
GLYNN AVENUE
SUBDIVISION
LOT 1 LOT 2 LOT 3 LOT 4 LOT 5 LOT 27 LOT 28 LOT 29 LOT 30 LOT 31 LOT 32 LOT 33 LOT 34 LOT 35 LOT 36 LOT 43 LOT 44 LOT 45 LOT 46

716+63.26
33.00' RW
128
715+94.12
33.00' RW
2169
713+02.60
33.00' RW
2322
713+42.62
33.00' RW
2170
712+27.56
45.13' RW
2323
712+01.81
44.91' RW
2324
712+69.52
33.00' RW
132
712+15.97
33.00' RW
98
711+51.22
33.00' RW
2325
710+11.53
33.00' RW
2327
709+07.24
39.37' RW
2326
708+12.69
43.00' RW
90
706+46.40
80.84' RW
89
709+30.61
90.00' RW
2171
709+63.35
124.33' RW
2320
709+64.23
161.03' RW
2318
712+69.52
33.00' RW
1185
712+15.91
33.00' RW
1186
709+90.01
89.90' RW
1190
709+49.32
143.47' RW
1191
712+15.82
32.88' RW
1195
708+17.60
60.55' RW
1197
706+46.42
80.78' RW
1198
718+51.49
33.13' RW
1205
716+63.40
33.21' RW
1204
715+94.13
33.12' RW
1201
715+08.58
32.62' RW
1206
733+48.65
32.82' RW
1217
727+86.87
32.77' RW
1218
732+36.08
33.06' RW
1264

S88°39'23"E 492.70'
S88°39'23"E 743.24' (TO R/L)
S88°39'23"E 411.78'
STA 707+87.91
Y:374751.335
X:827068.557

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.16

THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER AND PART OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 24, T15N, R17E, CITY OF FOND DU LAC, FOND DU LAC COUNTY, WISCONSIN.

USHH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

GN W E S

SCALE, FEET
0 100 200

DOC# 1054927
Recorded
July 06, 2015 9:02 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

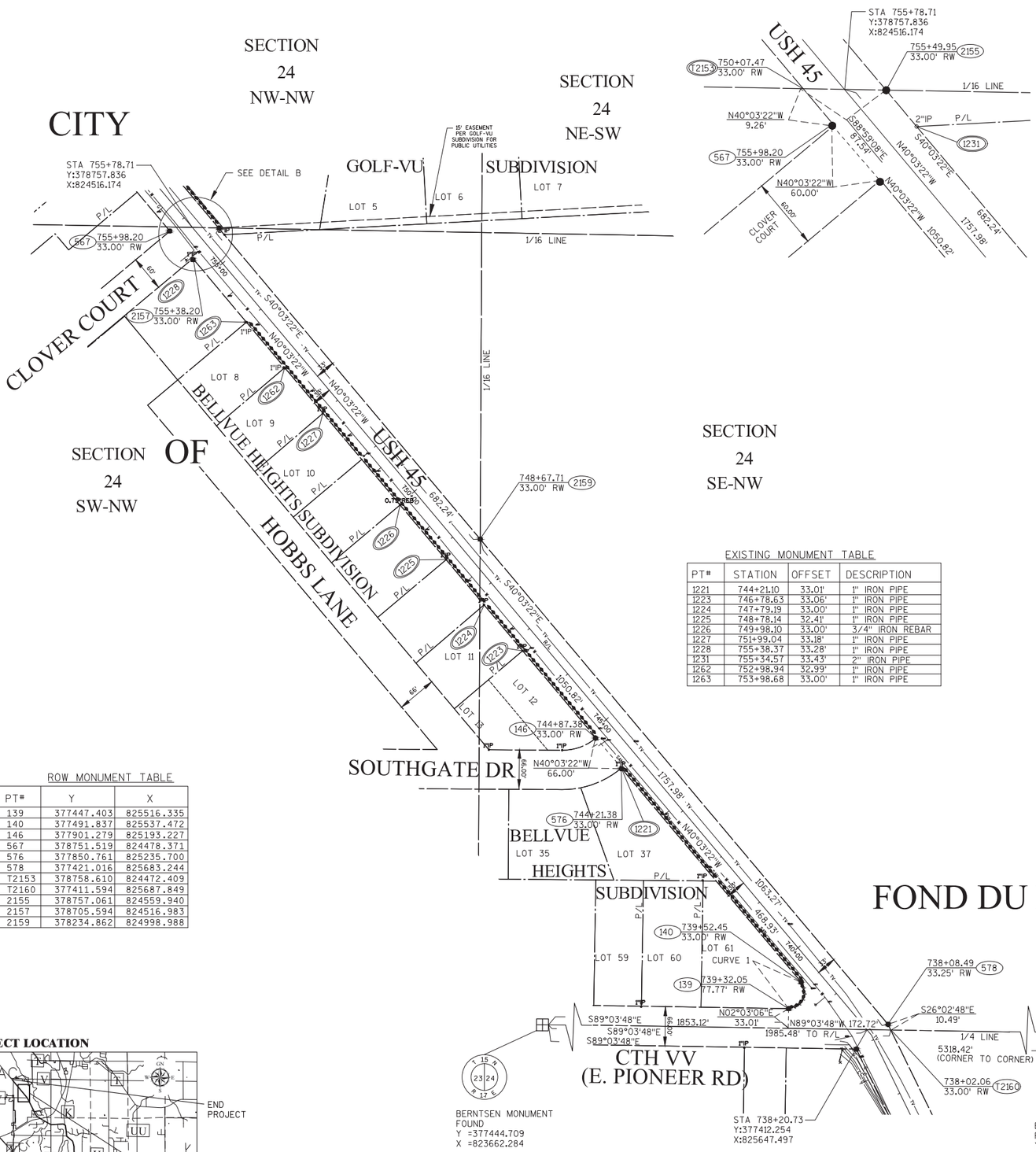
117

Recorded this 6TH day of July, 2015 at 9:02 AM in VOL. 18 Pg. 66 Doc # 1054927
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.16
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

DETAIL B



EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1221	744+21.10	33.01'	1" IRON PIPE
1223	746+78.63	33.06'	1" IRON PIPE
1224	747+79.19	33.00'	1" IRON PIPE
1225	748+78.14	32.41'	1" IRON PIPE
1226	749+98.10	33.00'	3/4" IRON REBAR
1227	751+99.04	33.18'	1" IRON PIPE
1228	755+38.37	33.28'	1" IRON PIPE
1231	755+34.57	33.43'	2" IRON PIPE
1262	752+98.94	32.99'	1" IRON PIPE
1263	753+98.68	33.00'	1" IRON PIPE

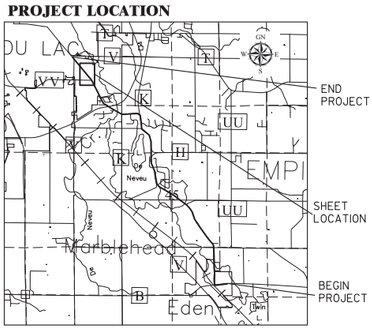
ROW MONUMENT TABLE

PT#	Y	X
139	377447.403	825516.335
140	377491.837	825537.472
146	377901.279	825193.227
567	378751.519	824478.371
576	377850.761	825235.700
578	377421.016	825683.244
T2153	378758.610	824472.409
T2160	377411.594	825687.849
2155	378757.061	824559.940
2157	378705.594	824516.983
2159	378234.862	824998.988

CURVE TABLE

CURVE	BEARING	ARC	CHORD	RADIUS
CURVE 1	N25°26'25"E	61.82'	49.21	27.04'

PROJECT LOCATION



ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	BELLVUE HEIGHTS SUBDIVISION	1955
CLOVER COURT	BELLVUE HEIGHTS SUBDIVISION	1955
SOUTHGATE DR.	BELLVUE HEIGHTS SUBDIVISION	1955
CTH VV	BELLVUE HEIGHTS SUBDIVISION	1955

NOTE: EXISTING ACCESS CONTROL USH 45 ESTABLISHED FROM BELLVUE HEIGHTS SUBDIVISION

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.16 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT IS ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.17

USH 45 (EDEN TO FOND DU LAC)

THAT PART OF LOTS 1 AND 2 OF GOLF-VU SUBDIVISION, AND LOTS 5 AND 6, CLEAR-VU SUBDIVISION, LOCATED IN AND BEING A PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 24, T15N, R17E, CITY OF FOND DU LAC, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN W E S

SCALE, FEET
0 100 200

DOC# 1054928
Recorded
July 06, 2015 9:09 AM
SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: 425.00

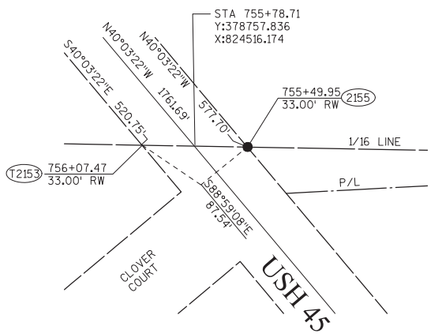
118

Recorded this 6TH day of July, 2015 at 9:09 AM in VOL. 18 Pg. 67 Doc # 1054928
Shawn M Kelly Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.17
AMENDMENT NO:...

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

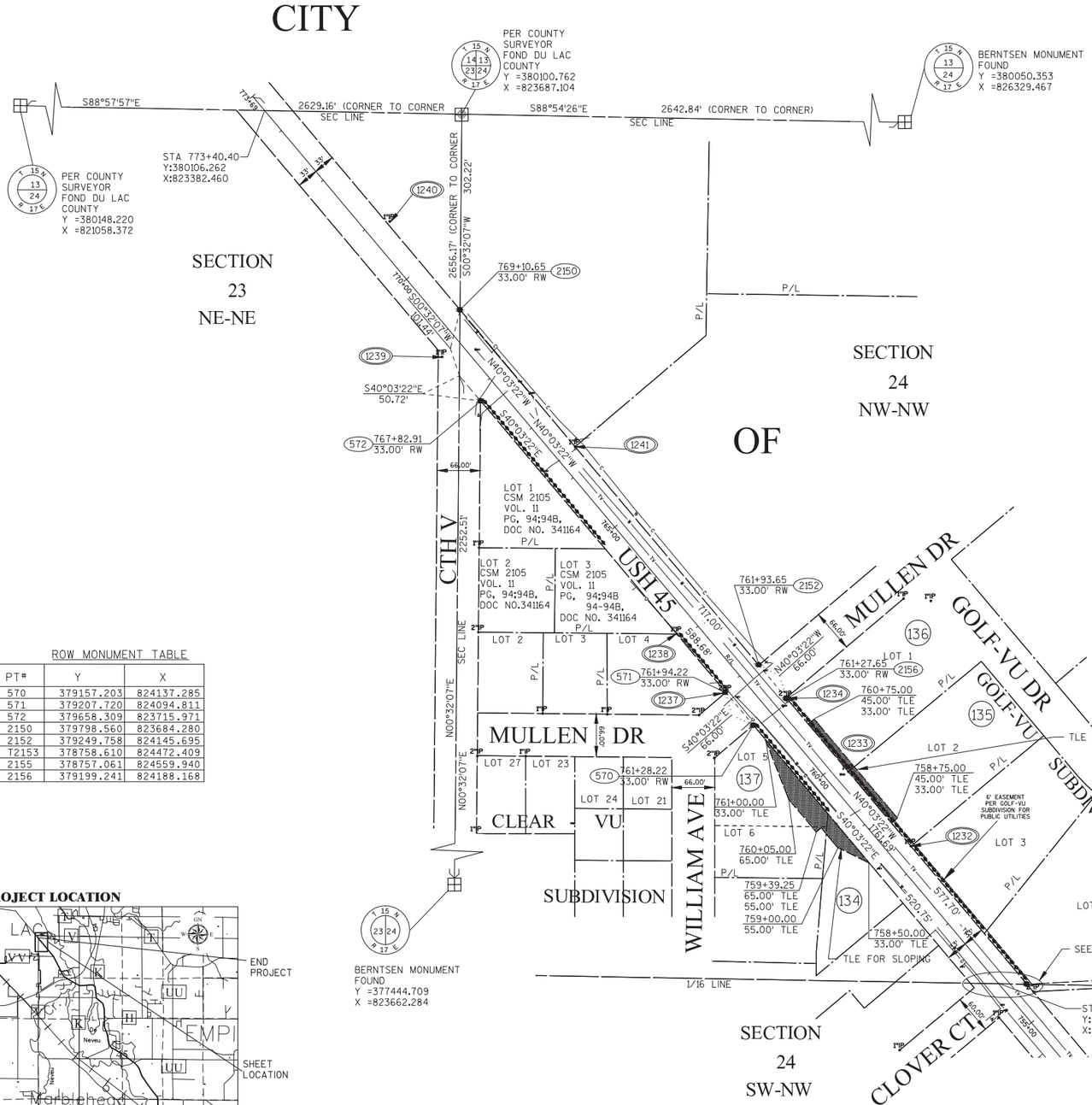
DETAIL A



EXISTING MONUMENT TABLE

PT#	STATION	OFFSET	DESCRIPTION
1232	758+28.31	32.94'	1" IRON PIPE
1233	759+78.47	32.96'	1" IRON PIPE
1234	761+27.63	32.65'	2" IRON PIPE
1237	761+94.22	32.97'	2" IRON PIPE
1238	761+12.00	32.68'	1" IRON PIPE
1239	768+72.82	34.98'	1" IRON PIPE
1240	770+84.92	37.70'	1" IRON PIPE
1241	766+34.35	33.15'	1" IRON PIPE

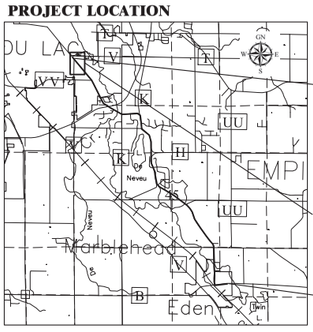
CITY



ROW MONUMENT TABLE

PT#	Y	X
570	379157.203	824137.285
571	379207.720	824094.811
572	379658.309	823715.971
2150	379798.560	823684.280
2152	379249.758	824145.695
T2153	378758.610	824472.409
2155	378757.061	824559.940
2156	379199.241	824188.168

PROJECT LOCATION



FOND DU LAC

NOTE: EXISTING ACCESS CONTROL USH 45 ESTABLISHED FROM GOLF-VU SUBDIVISION AND CLEAR VU SUBDIVISION. LOT 1, CLEAR VU SUBDIVISION IS CSM 2105. LOT 3, CSM 2105 DRIVEWAY IS ALONG USH 45.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CLEAR VU SUBDIVISION, GOLF-VU SUBDIVISION CMS 2105	1958, 1959
MULLEN DR.	GOLF VU SUBDIVISON	1959
CTH V	CSM 2105, CLEAR VU SUBDIVISION	1978
WILLIAM AVE.	CLEAR VU SUBDIVISION	1958

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.17 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 4-23-2015
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 6-18-2015
(PRINTED NAME) CURT VAN EREM

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED NEW	EXISTING	TOTAL	TLE
134	SALVATORE A. CURCURIO	TLE	---	---	---	0.03 AC
135	PATRICK J. MCCULLOUGH & MARY E. MCCULLOUGH	TLE	---	---	---	0.03 AC
136	GARY TERLINDEN & JOYCE A. TERLINDEN	TLE	---	---	---	0.03 AC
137	DEAN J. MARQUARDT	TLE	---	---	---	0.08 AC

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\E1991TPP SHEETS 4.11-4.18.DWG
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.18

THAT PART OF LOT 3, CSM 6034, BEING A PART OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, T14N, R18E, TOWN OF EDEN, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

W E

S

SCALE, FEET

0 100 200

DOC# 1075802

Recorded
December 29, 2016 9:29 AM

SHAWN REILLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Rec Amount $21.00

Recorded this 29th day of December, 2016 at 9:29 AM. In Vol. 18 Pg. 93 Doc # 1075802

Register of Deeds, Fond du Lac County, WI

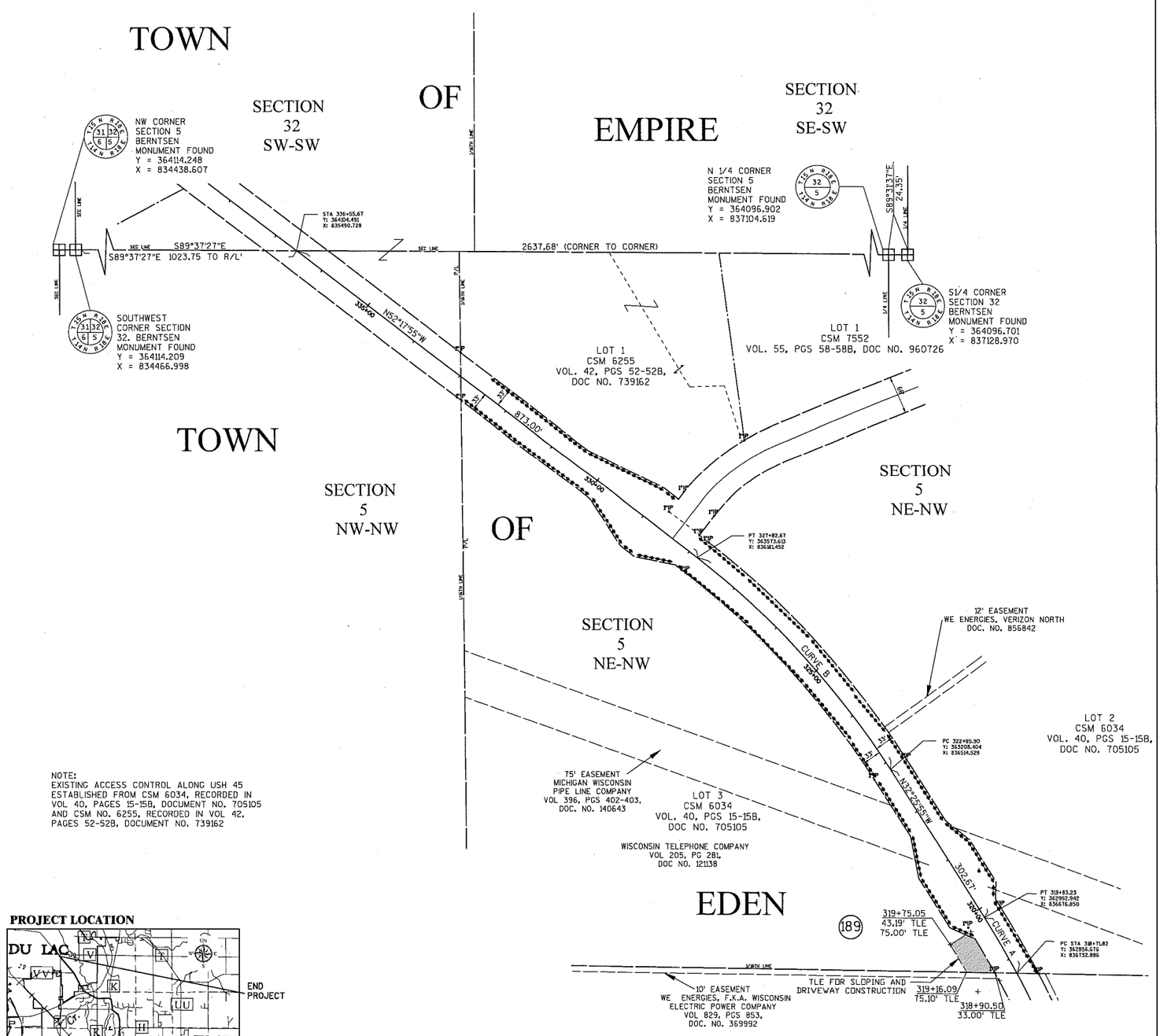
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.18
AMENDMENT NO:---

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

SCHEDULE OF LANDS AND INTEREST

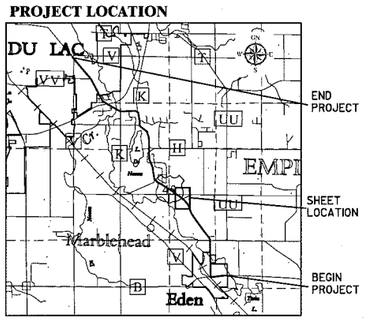
"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
189	ROBERT J. LANGJAHR & KAREN L. LANGJAHR	TLE	---	---	---	0.07 AC



NOTE:
EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM CSM 6034, RECORDED IN VOL 40, PAGES 15-15B, DOCUMENT NO. 705105 AND CSM NO. 6255, RECORDED IN VOL 42, PAGES 52-52B, DOCUMENT NO. 739162

PROJECT LOCATION



ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 6034, 6255	2000, 2002
BIRCH RD	CSM 6255, 7552	2002, 2010

CURVE A
PI 319+27.56
Y 362706.741
X 839905.898
Δ 04°27'21"
R 1432.68'
T 55.74'
L 111.41'
LC 111.39'
LCB N30°12'15"W

CURVE B
PI 325+36.81
Y 363420.174
X 836379.969
Δ 19°52'00"
R 1432.69'
T 250.90'
L 496.77'
LC 494.29'
LCB N42°21'55"W

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.18 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 12-22-2016
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 12-22-2016
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TP\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS NEW RW 4.08-4.10.DWG PLOT DATE : 12/21/2016 10:24 AM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.19

LOCATED IN PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 32, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN / W / E / S

SCALE, FEET
0 100 200

DOC# 1078803
Recorded
December 29, 2016 9:44 AM
KAREN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 29th day of December, 2016 at 9:44 AM in VOL. 18 Pg. 94 Doc # 1078803
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.19

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

TOWN

SECTION 31
NE-SE

SECTION 31
SE-SE

SECTION 32
SW-SW

OF

EMPIRE

LOT 2, LOT 3, LOT 24, LOT 23, LOT 22, LOT 21, LOT 20, LOT 19, LOT 18, LOT 10, LOT 9

NICHOLAS R. MOORE & KATHLEEN A. MOORE

MICHAEL L. CLAUSEN

VALLEY DR

OAK HILL RD

DENEVEU HILLS

USH 45

BAUDRY LANE

CURVE-B
PI =364+31.23'
Y =365506.348
X =833162.599
Δ =05°19'22"
R =572.96'
T =26.63'
L =53.23'
LC =53.21'
LCB =N58°38'20"W

PC: 364+57.83
Y: 365672.248
X: 833140.529

PC: 364+04.60
Y: 365593.556
X: 833585.964

PI 357+56.29
Y: 365282.222
X: 833704.634

N61°19'01"W 360.00 643.32'

N60°07'47"W 350.00 825.58'

N52°17'55"W 350.00 985.48'

PT 349+30.70
Y: 364871.050
X: 834470.543

CURVE-A
PI =347+86.15
Y =364798.835
X =834596.280
Δ =07°49'52"
R =2118.46'
T =145.00'
L =289.54'
LC =289.32'
LCB =N56°12'51"W

PC 346+41.15
Y: 364710.361
X: 834711.005

FRED M. FINSTEAD
196
346+00.00 33.00' TLE 65.00' TLE
345+50.00 33.00' TLE 65.00' TLE
TLE FOR SLOPING AND DRIVEWAY CONSTRUCTION

BERNTSEN MONUMENT FOUND
Y = 366771.970
X = 834464.197

2657.76' (CORNER TO CORNER)

724.20' (TO PT= 537 R/W)

N00°06'37"W
N00°05'37"W

S89°37'27"E
1023.75' (TO R/L)
2662.03' (CORNER TO CORNER)

STA 336+55.67
Y: 364107.491
X: 835490.728

S89°31'37"E 24.35'

SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
196	FRED M. FINSTAD	TLE	----	----	----	0.04

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 45	CENTERLINE, CSM 194	1971
OAK HILL RD	DENEVEU HILLS	1978
BAUDRY LN	EXCEL ENGINEERING PLAT OF SURVEY	3-17-1999

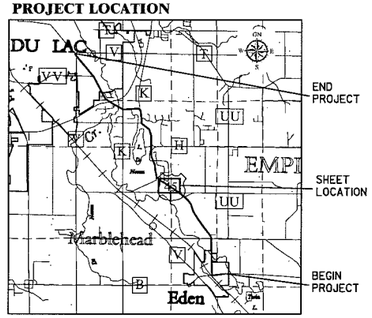
NW CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364114.248
X = 834438.607

SW CORNER SECTION 32 BERNTSEN MONUMENT FOUND
Y = 364114.209
X = 834466.998

N 1/4 CORNER SECTION 5 BERNTSEN MONUMENT FOUND
Y = 364096.902
X = 837104.619

S 1/4 CORNER SECTION 32 COMPUTED
Y = 364096.701
X = 837128.970

PROJECT LOCATION



NOTE: EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM DENEVEU HILLS SUBDIVISION PLAT, RECORDED IN VOL. 12 OF PLATS, PAGES 62-63, DOCUMENT NO. 347010.

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.19 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 12-22-2016
(PRINTED NAME) DAVID A. YURK
(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 12-22-2016
(PRINTED NAME) CURT VAN EREM

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\RW\AMENDED TPP SHEETS NEW RW 4.08-4.10.DWG
PLOT DATE : 12/21/2016 10:21 AM PLOT BY : OMNNI ASSOCIATES, INC. - DAVE A. YURK
APPRAISAL PLAT DATE : ----------

TRANSPORTATION PROJECT PLAT NO: 4110-26-21 - 4.20

PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 30, T15N, R18E, TOWN OF EMPIRE, FOND DU LAC COUNTY, WISCONSIN.

RELOCATION ORDER USH 45, FOND DU LAC COUNTY

EDEN TO FOND DU LAC

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

GN

W E

S

SCALE, FEET

0 100 200

DOC# 1078804

Recorded
December 29, 2016 9:51 AM

SHAWN KELLY
REGISTER OF DEEDS
FOND DU LAC COUNTY
Fee Amount: $25.00

Recorded this 29th day of December, 2016 at 9:51 AM in VOL. 18 Pg. 95 Doc # 1078804

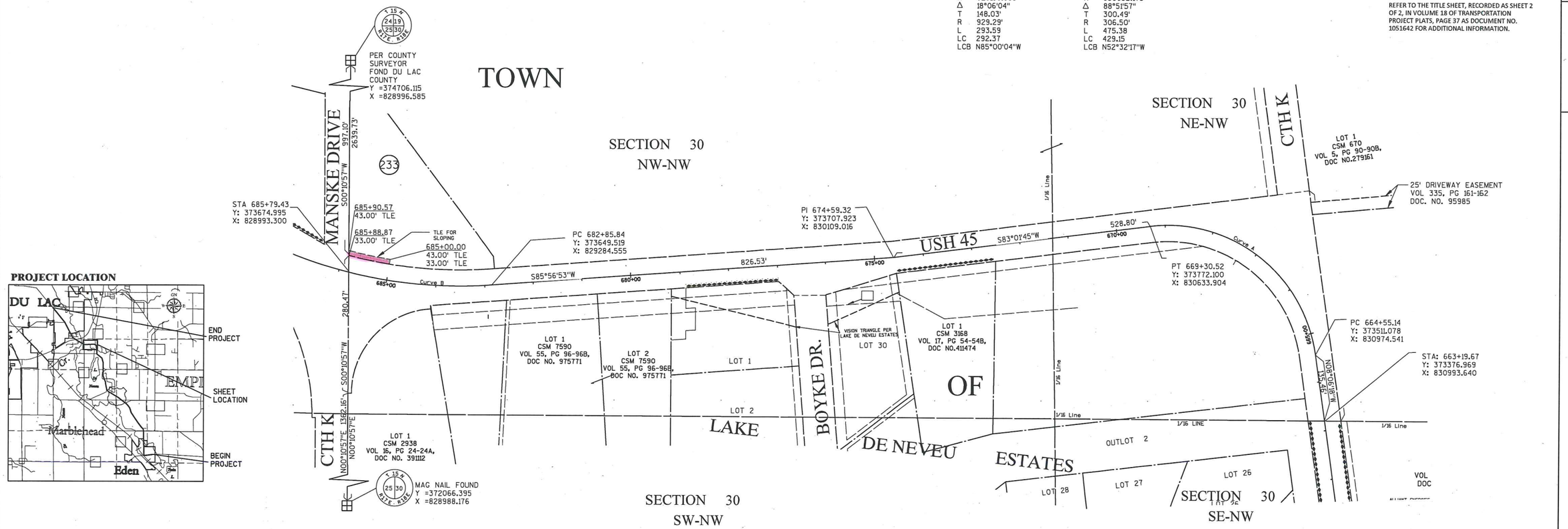
Shawn H Kelly
Register of Deeds, Fond du Lac County, WI

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4110-26-21 - 4.20
AMENDMENT NO:___

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 18 OF TRANSPORTATION PROJECT PLATS, PAGE 37 AS DOCUMENT NO. 1051642 FOR ADDITIONAL INFORMATION.

CURVE B	
PI	684+33.87
Y	373639.059
X	829136.895
Δ	18°06'04"
T	148.03'
R	929.29'
L	293.59
LC	292.37
LCB	N85°00'04"W

CURVE A	
PI	667+55.63
Y	373808.569
X	830932.175
Δ	88°51'57"
T	300.49'
R	306.50'
L	475.38
LC	429.15
LCB	N52°32'17"W



SCHEDULE OF LANDS AND INTEREST

"OWNERS" NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT OF TRANSPORTATION

PARCEL NO.		INTEREST REQUIRED	AREA ACRES REQUIRED			
			NEW	EXISTING	TOTAL	TLE
233	BARBARA B. SCHAEFER, A LIFE ESTATE, AND AN UNDIVIDED 1/4 INTEREST EACH AS TENANTS IN COMMON AS TO THE REMAINDER INTEREST TO MARK W. SCHAEFER, JEAN A. SCHAEFER, MICHAEL J. SCHAEFER & CATHERINE M. LONRENGAL	TLE	---	---	---	0.02 AC

OMNNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
PHONE (920) 735-6900
FAX (920) 830-6100

I, DAVID A. YURK, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 4110-26-21 - 4.20 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN DAVID A. YURK S-2648 OSHKOSH, WI LAND SURVEYOR

(SIGNATURE) David A. Yurk DATE 12-22-2016

(PRINTED NAME) DAVID A. YURK

(REGISTRATION NO.) S-2648

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

(SIGNATURE) Curt Van Erem DATE 12-22-2016

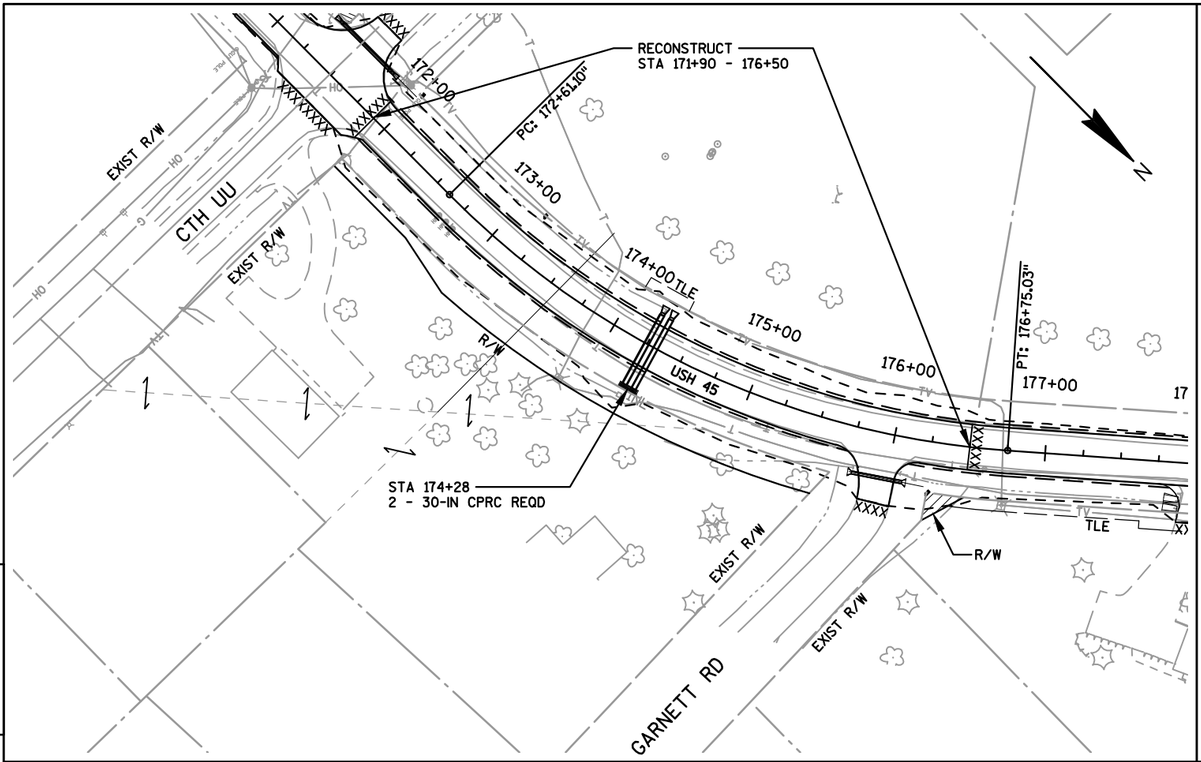
(PRINTED NAME) CURT VAN EREM

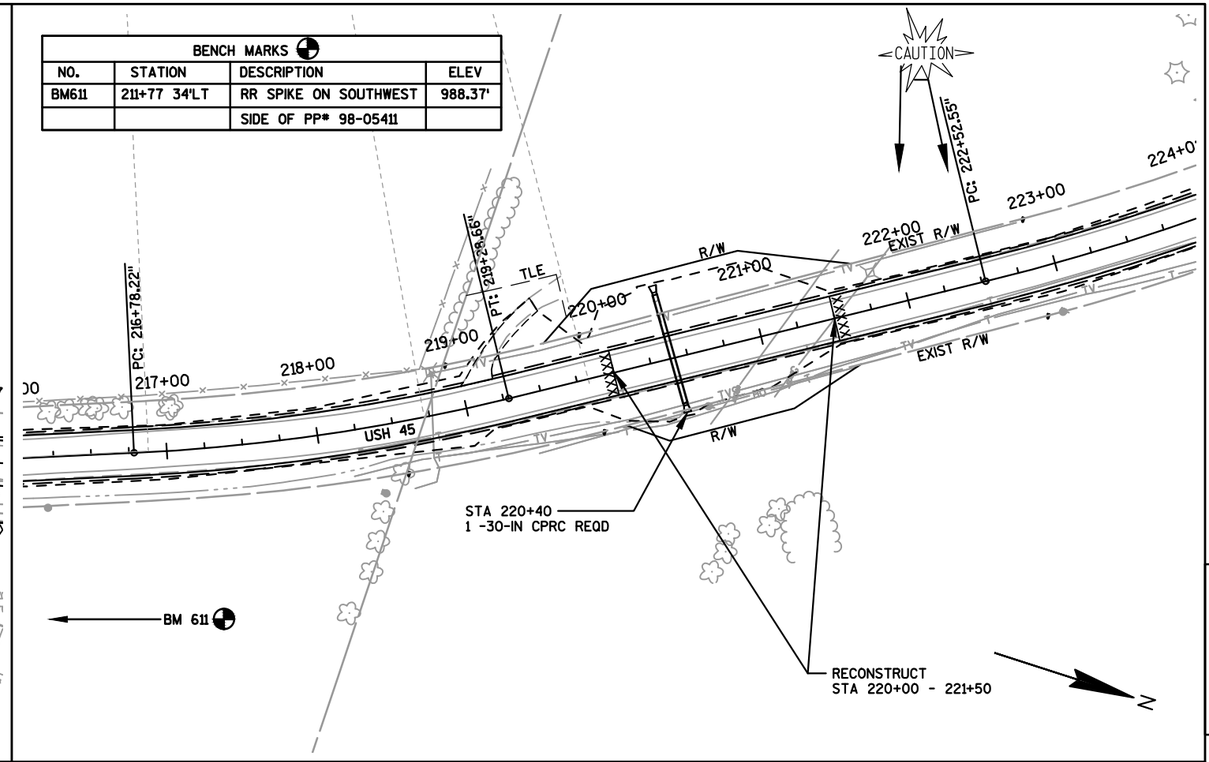
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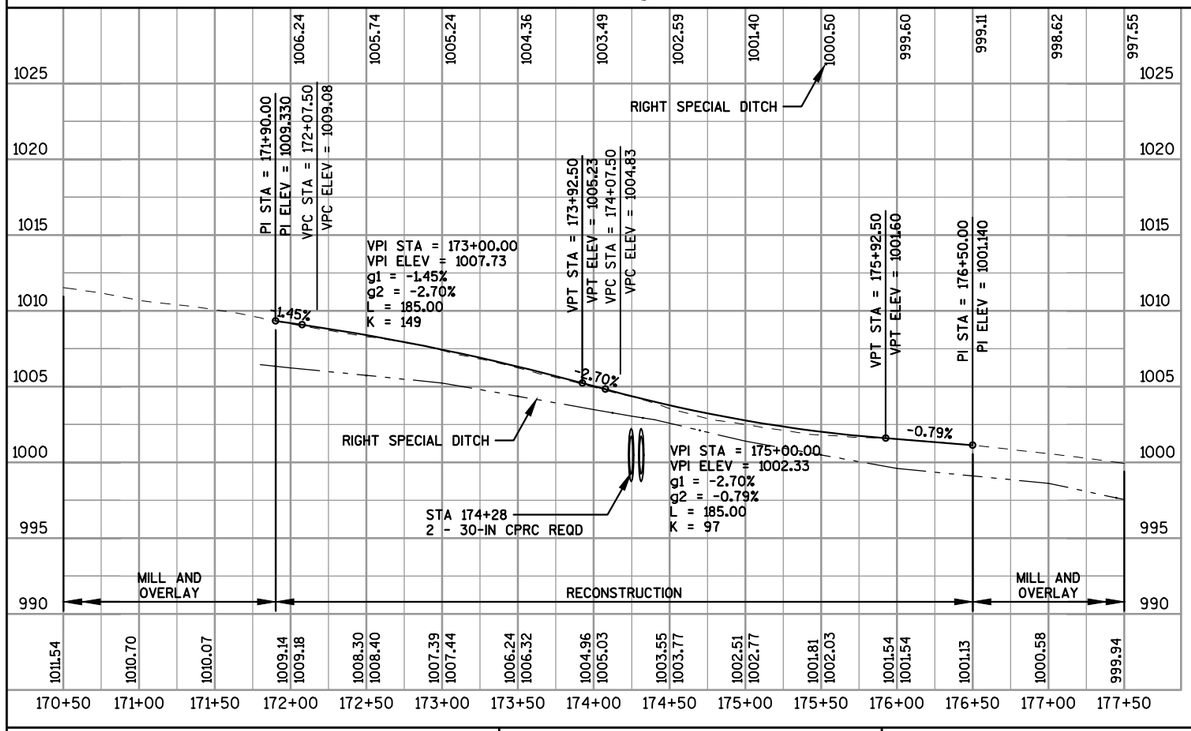
APPRAISAL PLAT DATE : _____

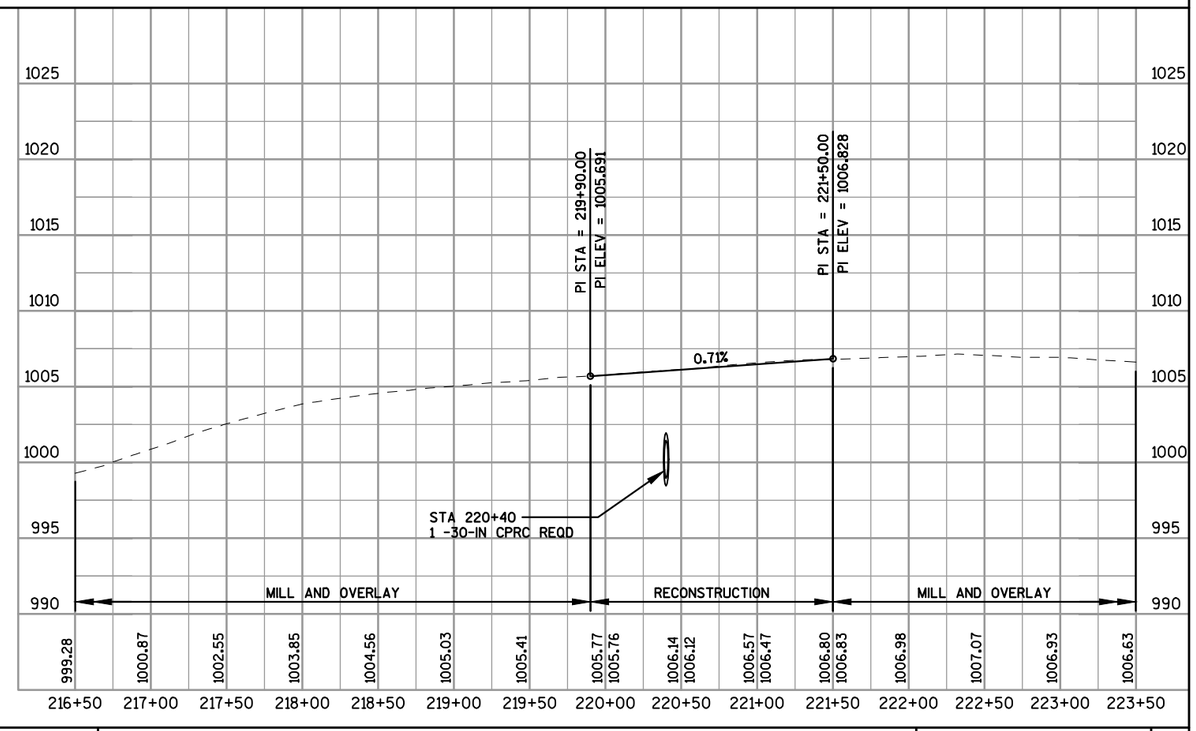
---------- ---------- 4.---

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM611	211+77 34'LT	RR SPIKE ON SOUTHWEST	988.37'
		SIDE OF PP* 98-05411	



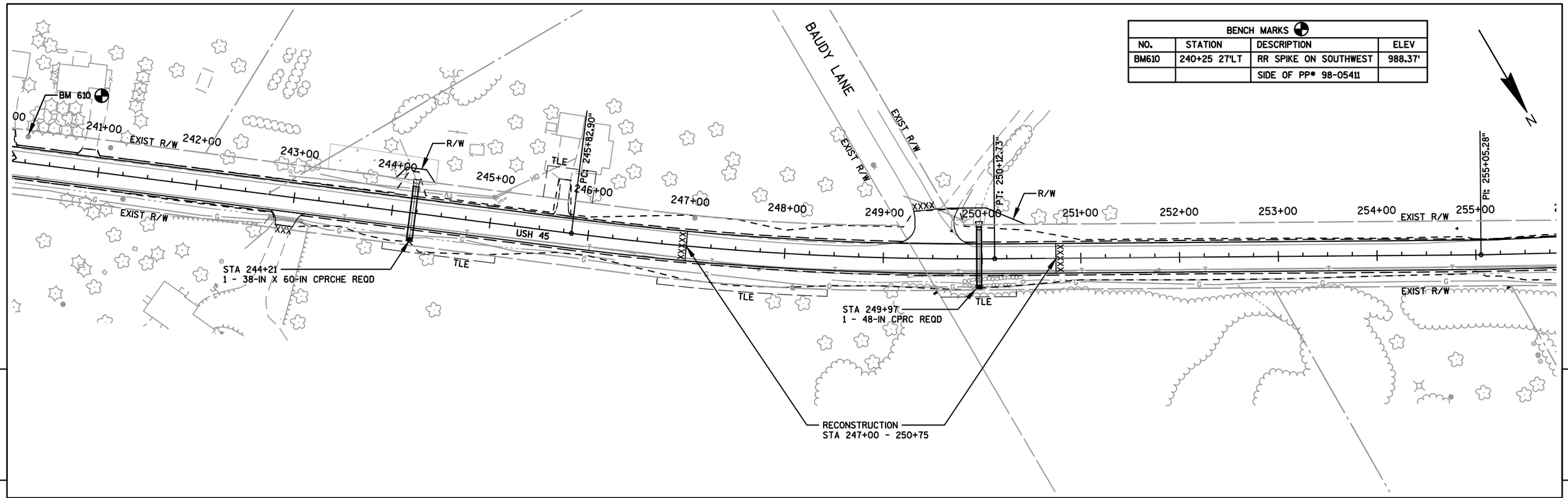


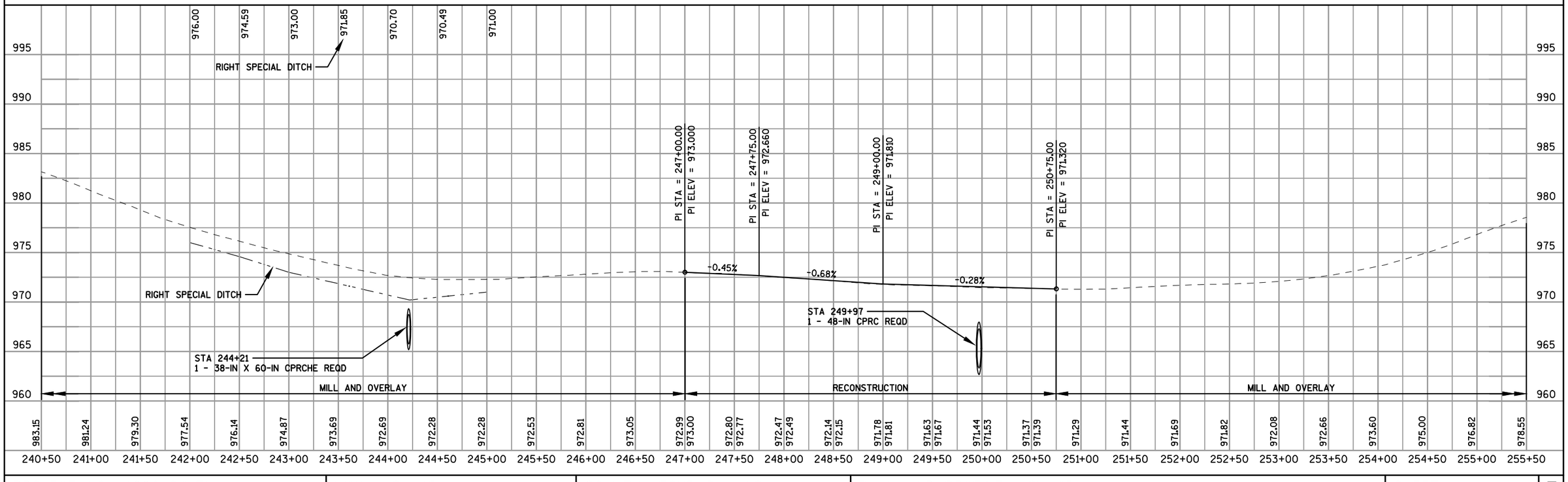




PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN AND PROFILE: USH 45	SHEET 122	E

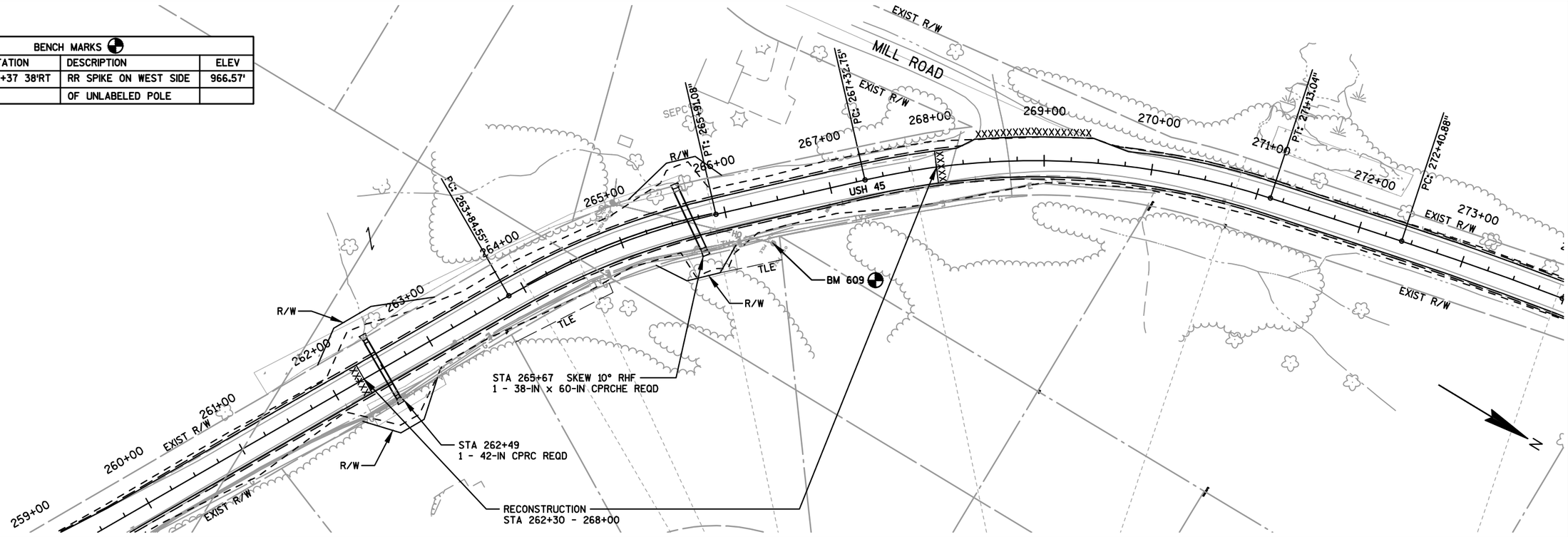
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM610	240+25 27'LT	RR SPIKE ON SOUTHWEST	988.37'
		SIDE OF PP* 98-05411	

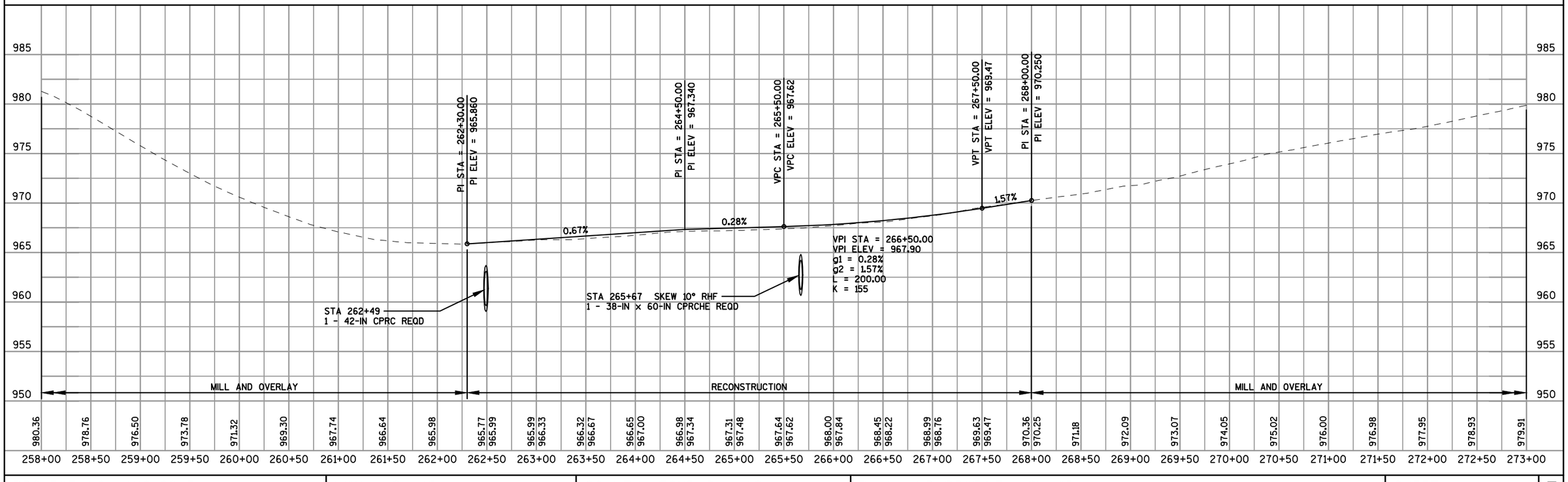




PROJECT NO: 4080-04-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN AND PROFILE: USH 45	SHEET 123	E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM609	266+37 38'RT	RR SPIKE ON WEST SIDE	966.57'
		OF UNLABELED POLE	

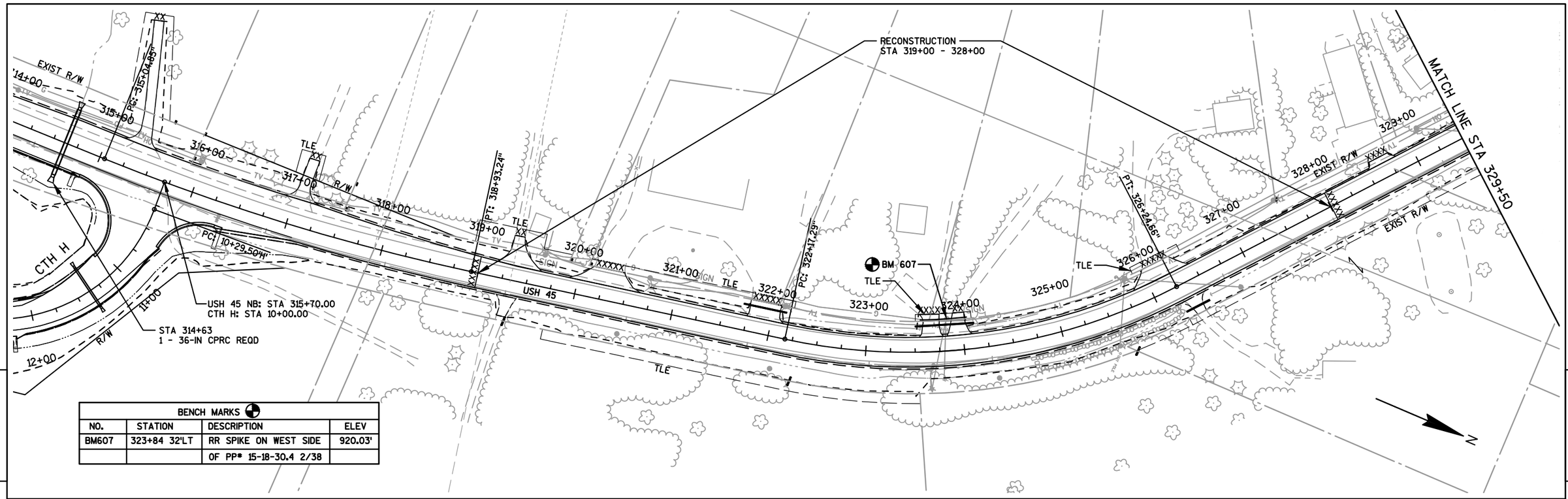




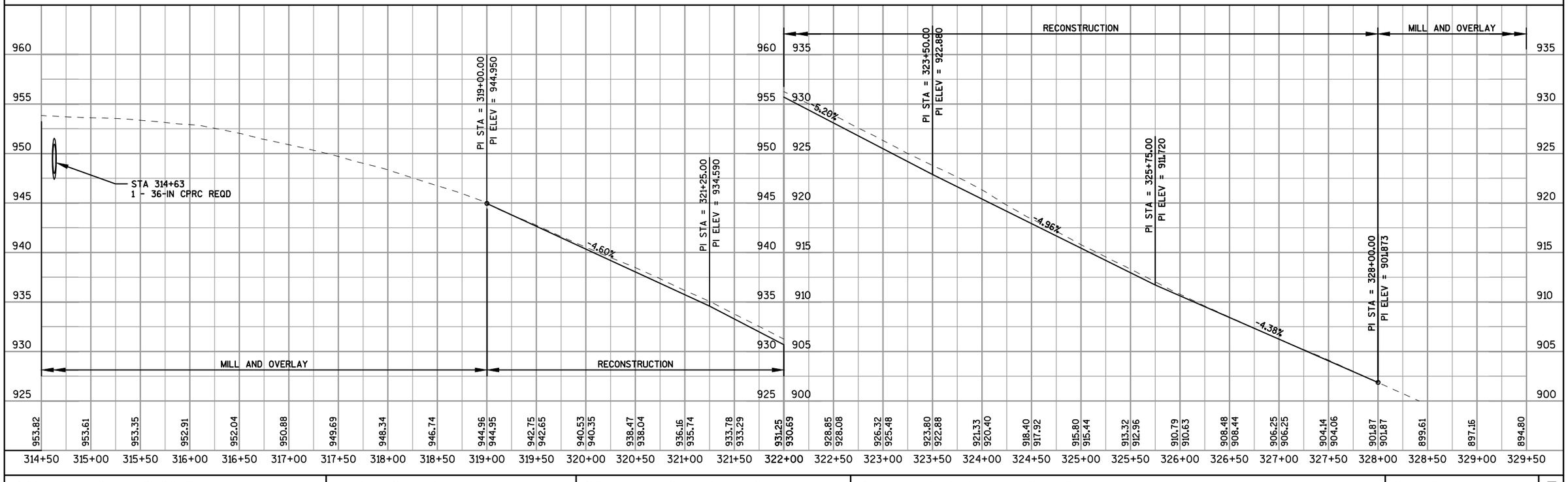
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BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM608	293+68 27'LT	RR SPIKE ON EAST SIDE	980.35'
		OF PP* 15-18-31.2.1 13/08	

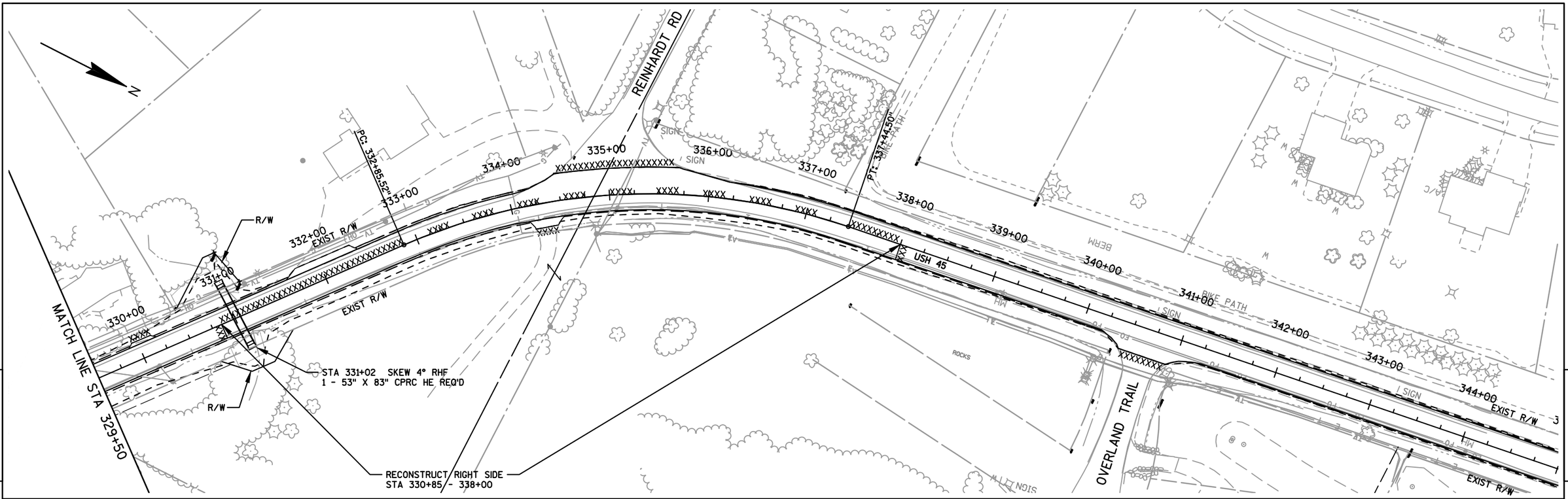
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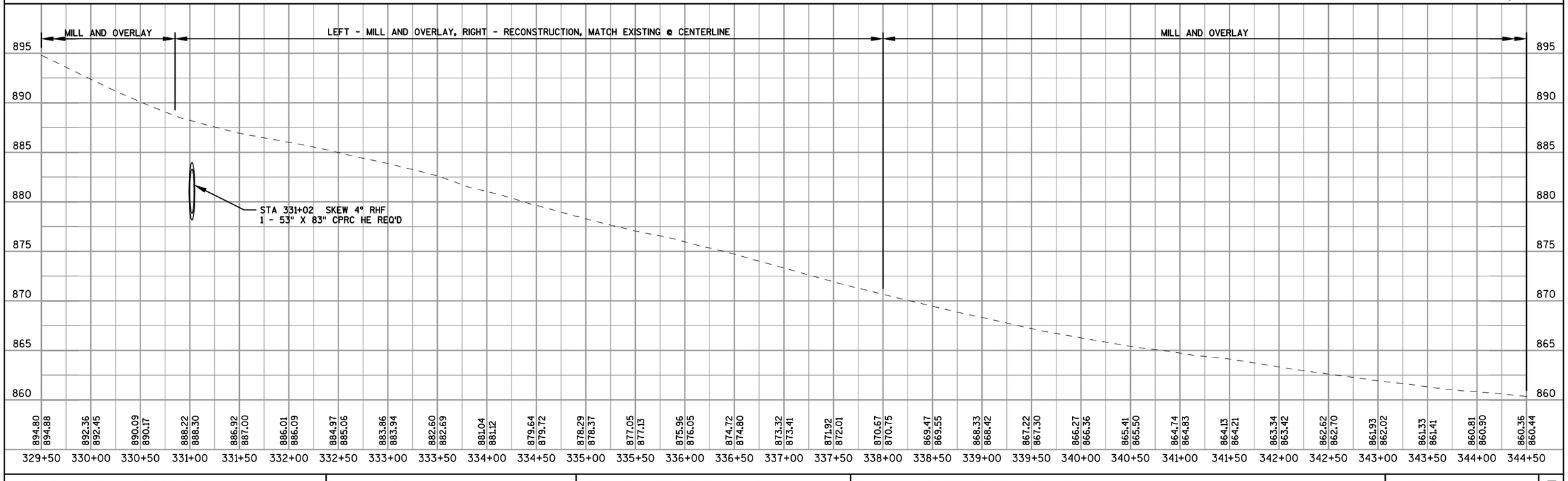


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM607	323+84 32'LT	RR SPIKE ON WEST SIDE	920.03'
		OF PP* 15-18-30.4 2/38	

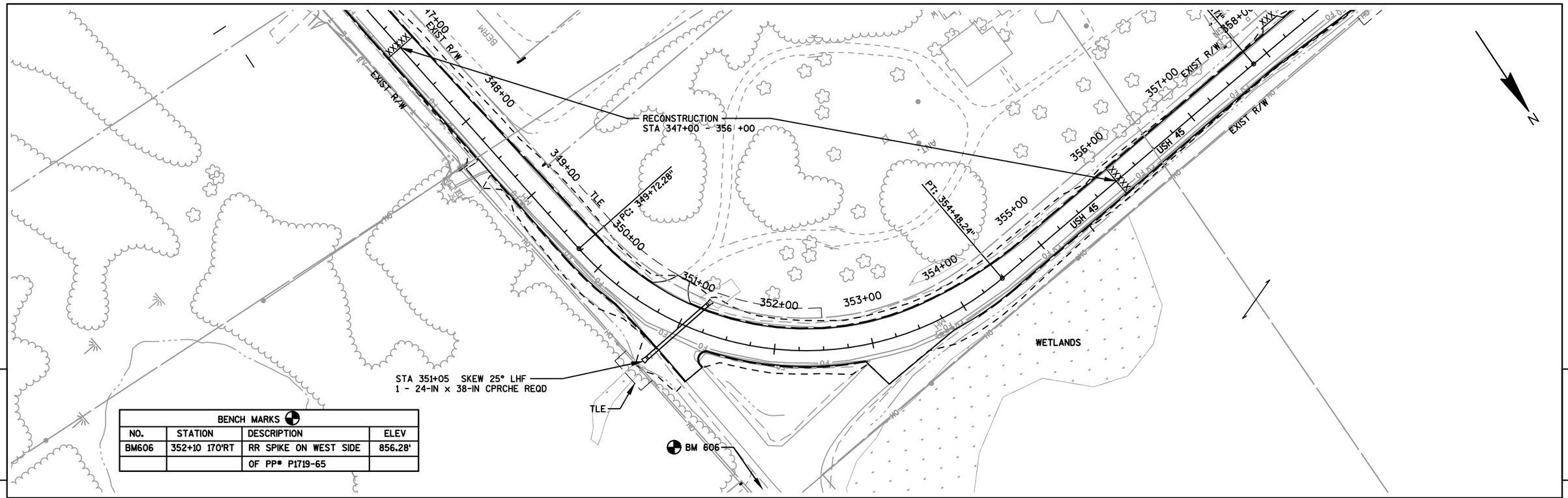


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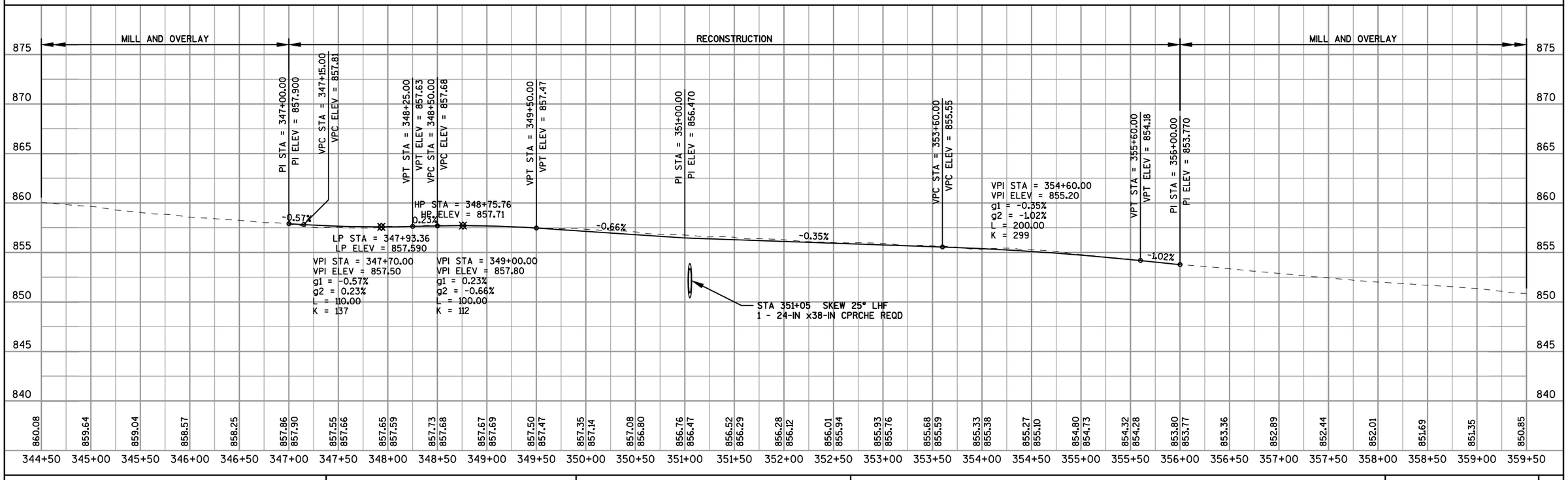




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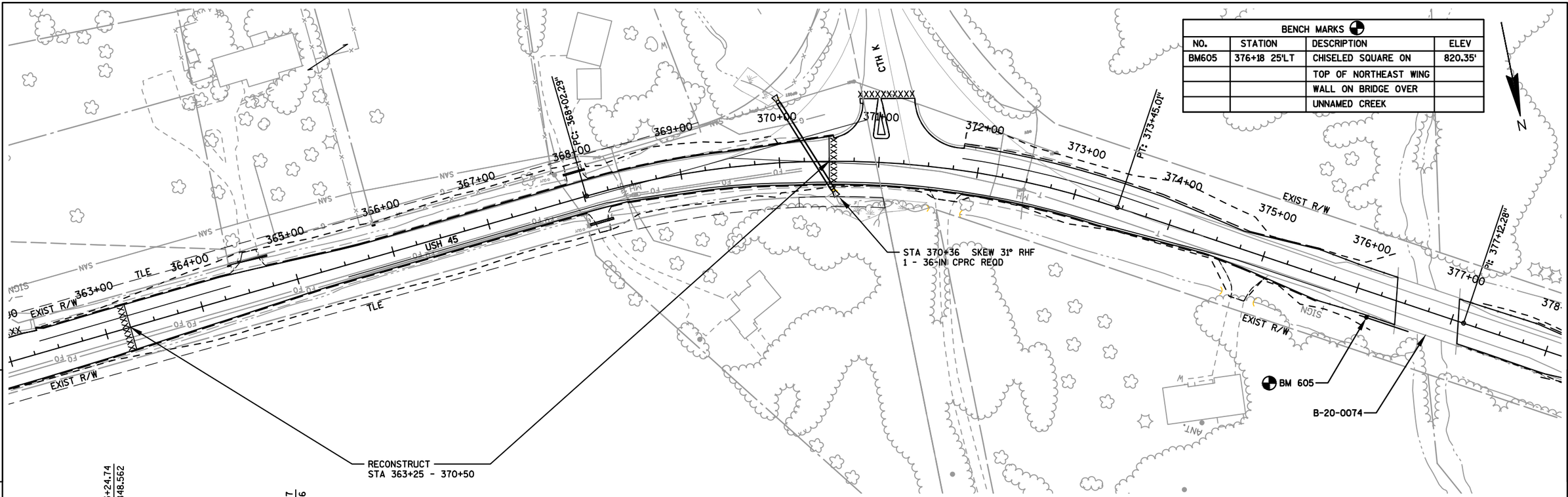


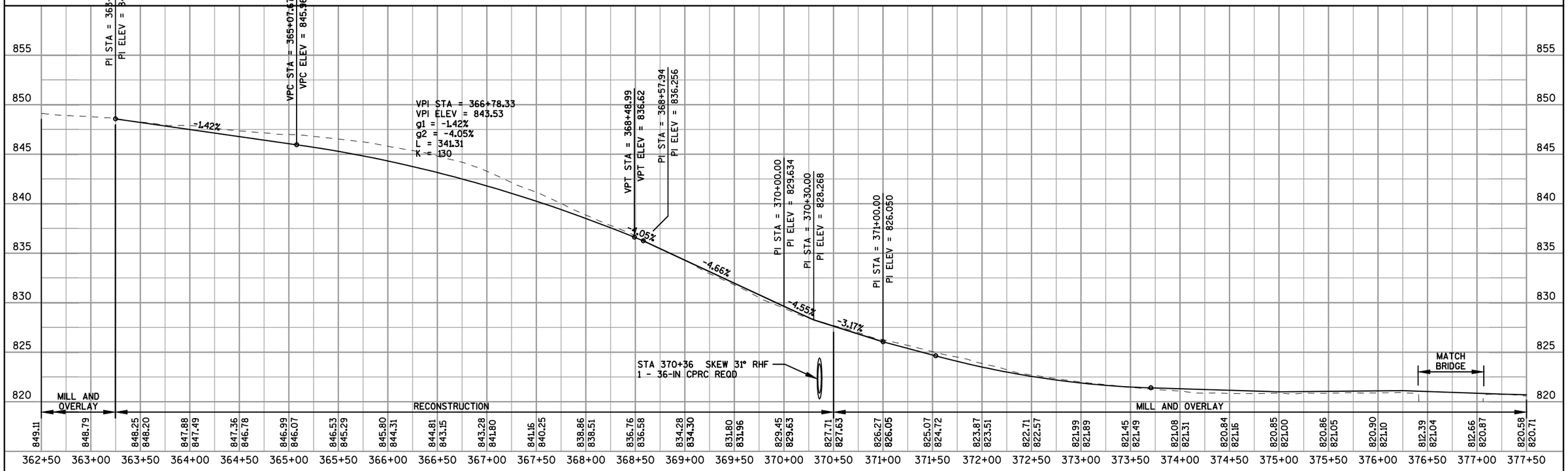
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM606	352+10 170'RT	RR SPIKE ON WEST SIDE OF PP# P1719-65	856.28'



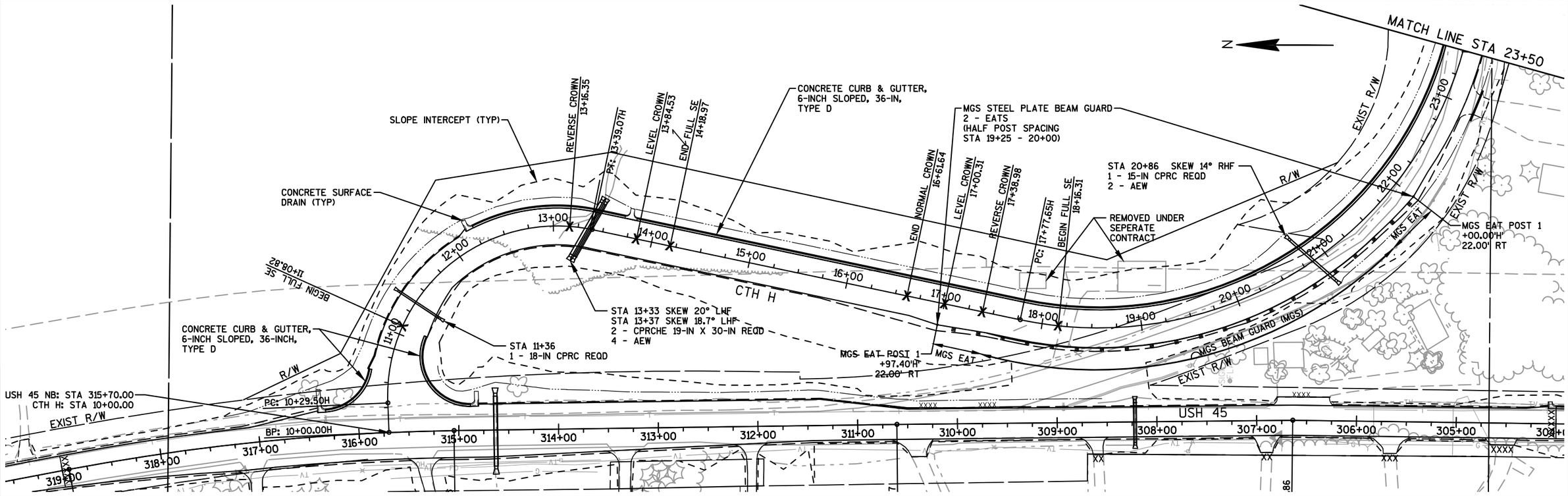
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN AND PROFILE: USH 45	SHEET 128	E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV
BM605	376+18 25'LT	CHISELED SQUARE ON	820.35'
		TOP OF NORTHEAST WING	
		WALL ON BRIDGE OVER	
		UNNAMED CREEK	





PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN AND PROFILE: USH 45	SHEET 129	E



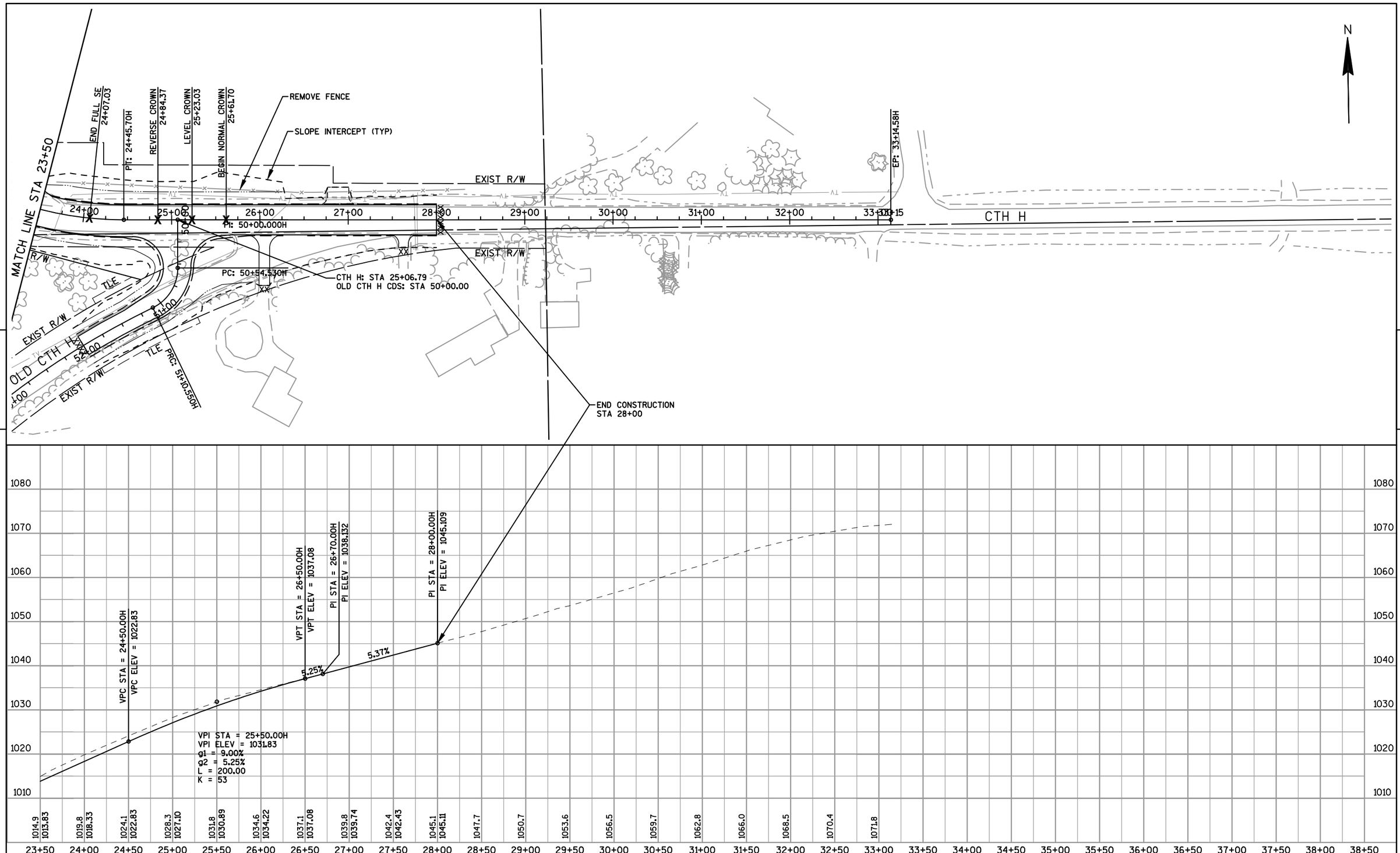
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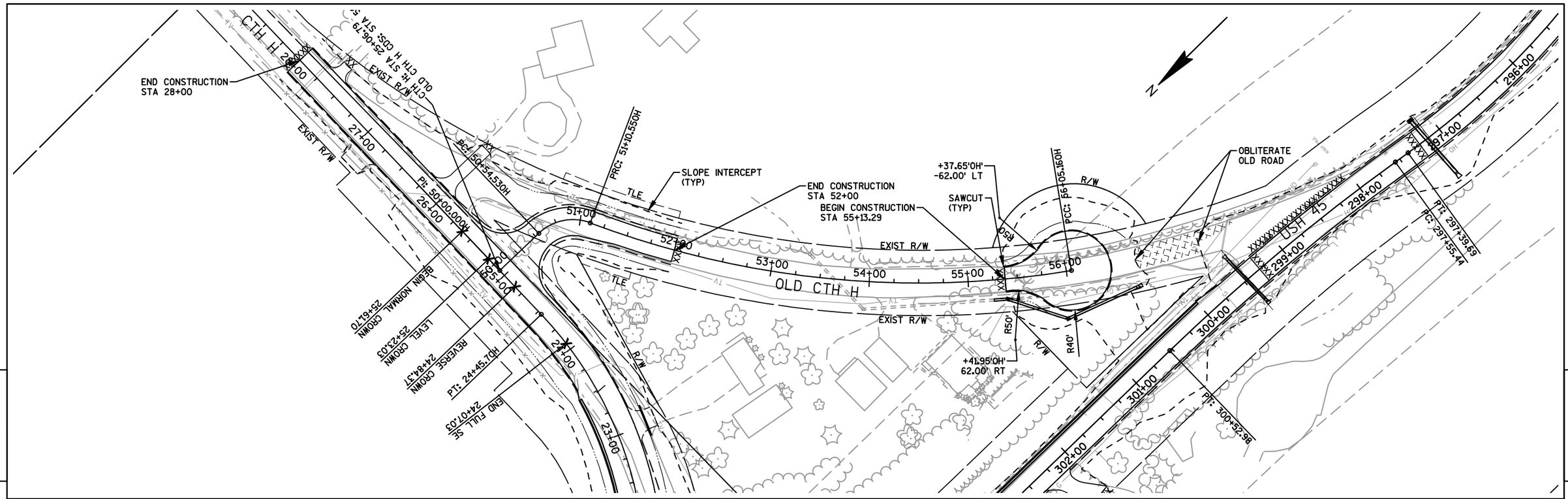
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PLOT BY : OMNNI ASSOCIATES, INC - BRAD GREGORIUS

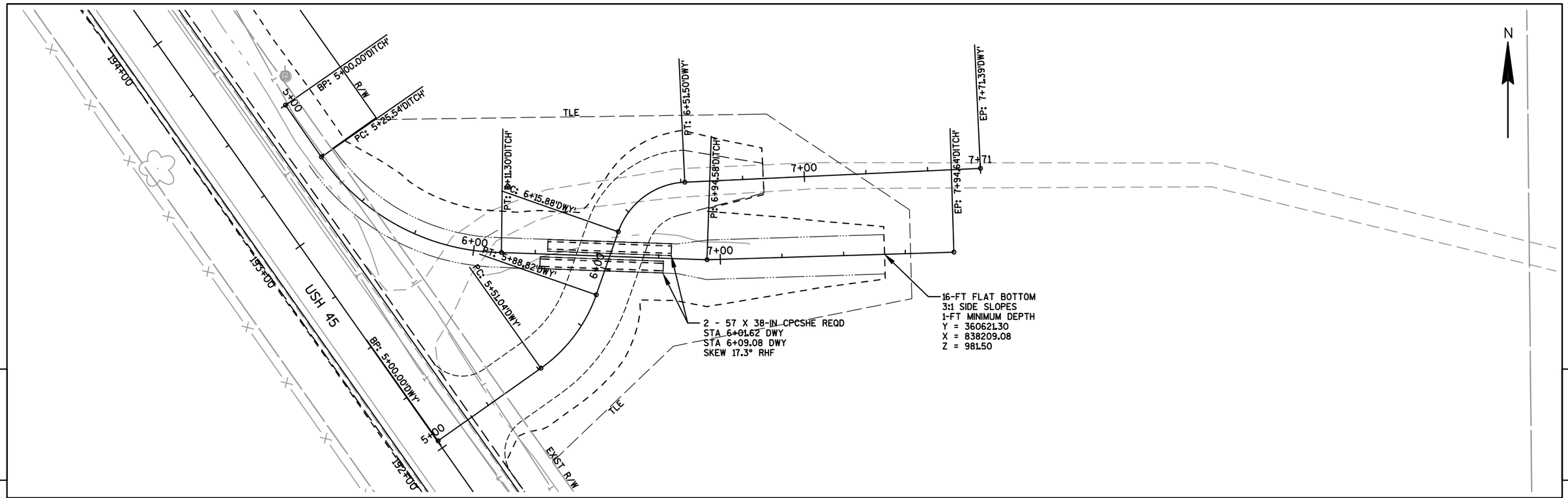
WISDOT/CADDS SHEET 44

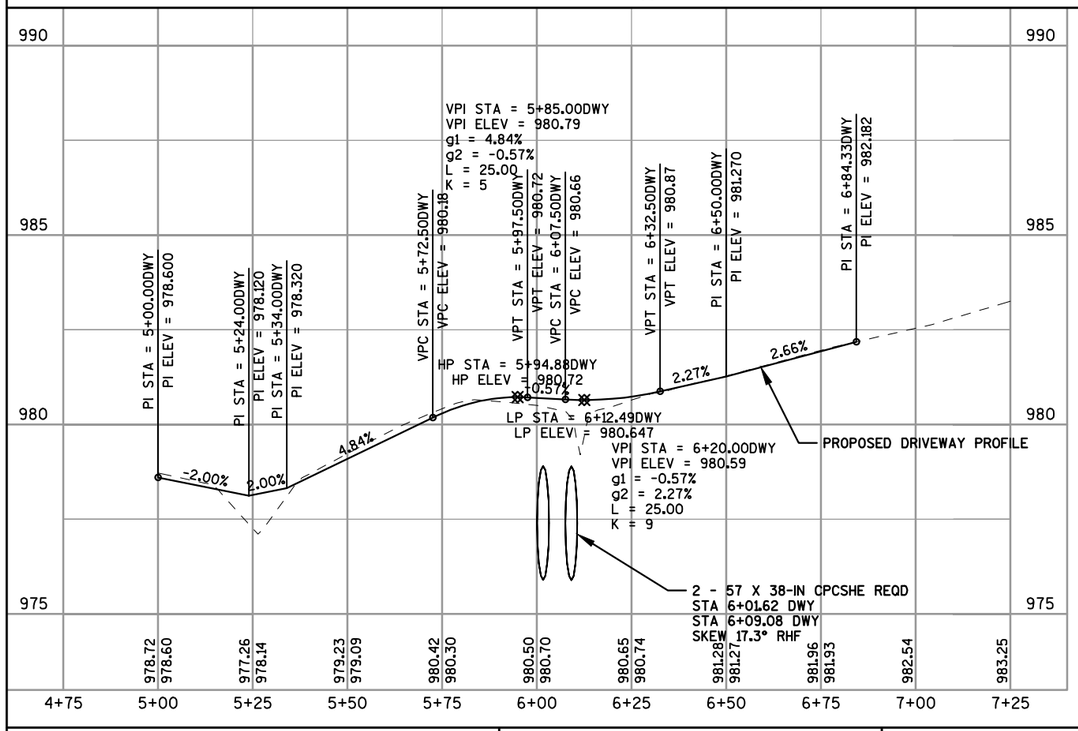


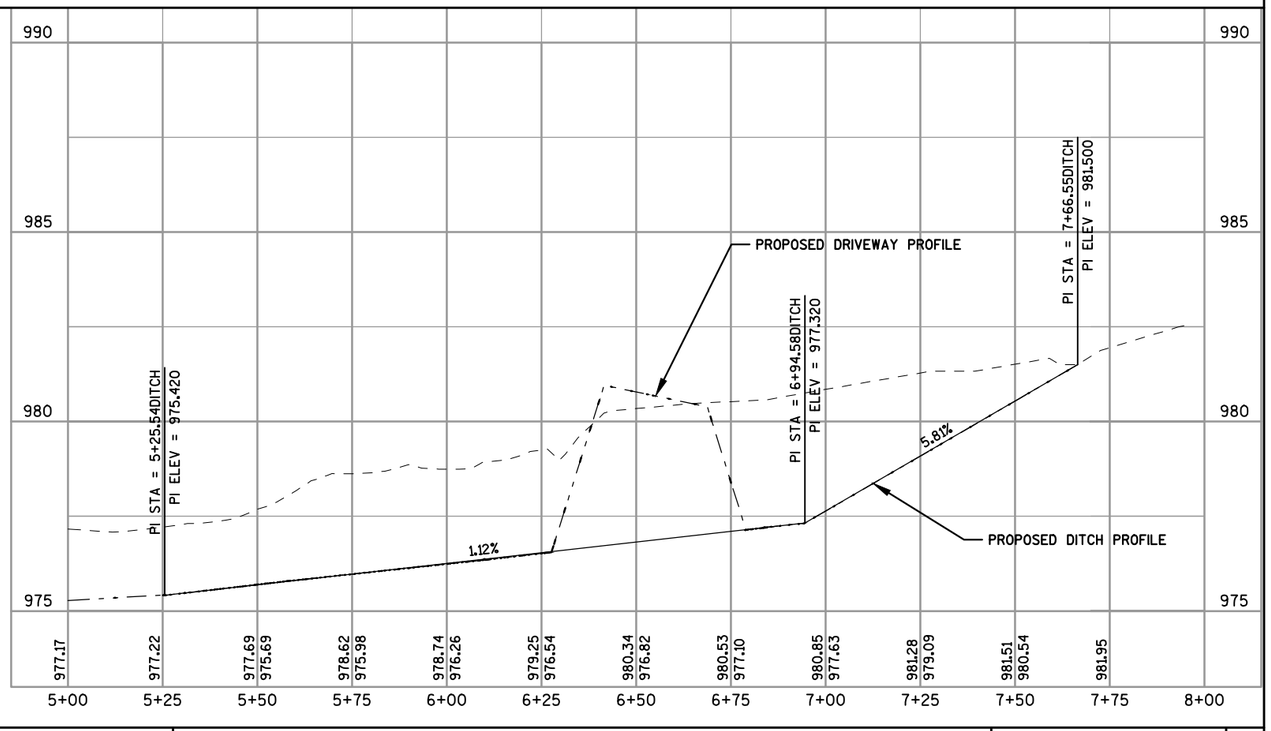
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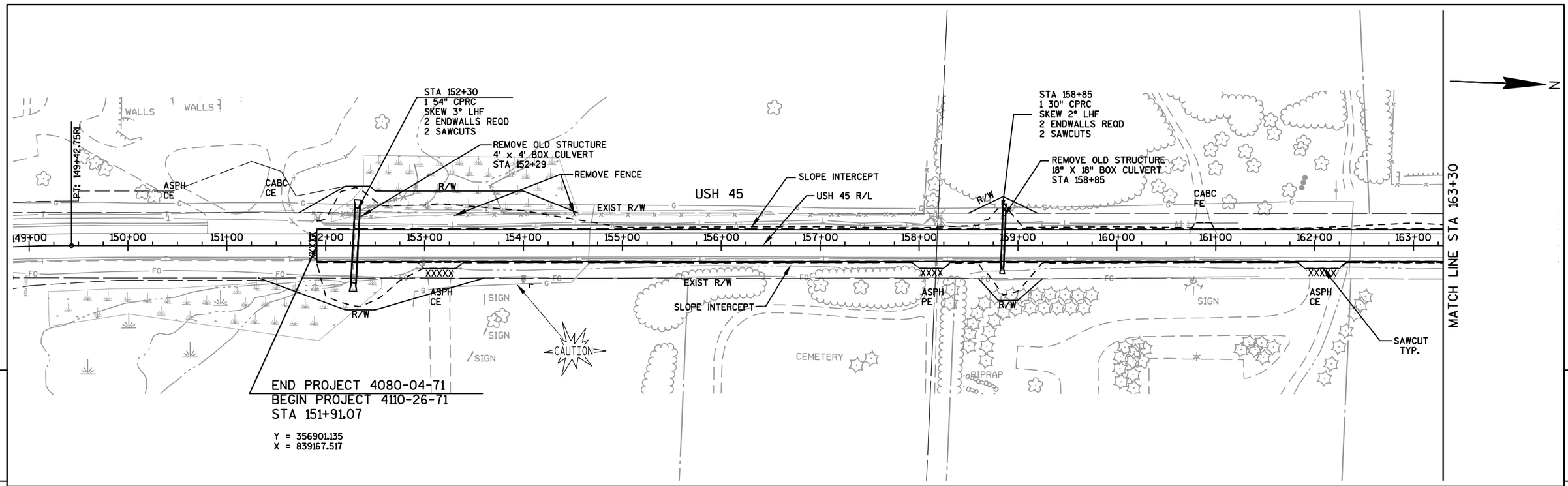
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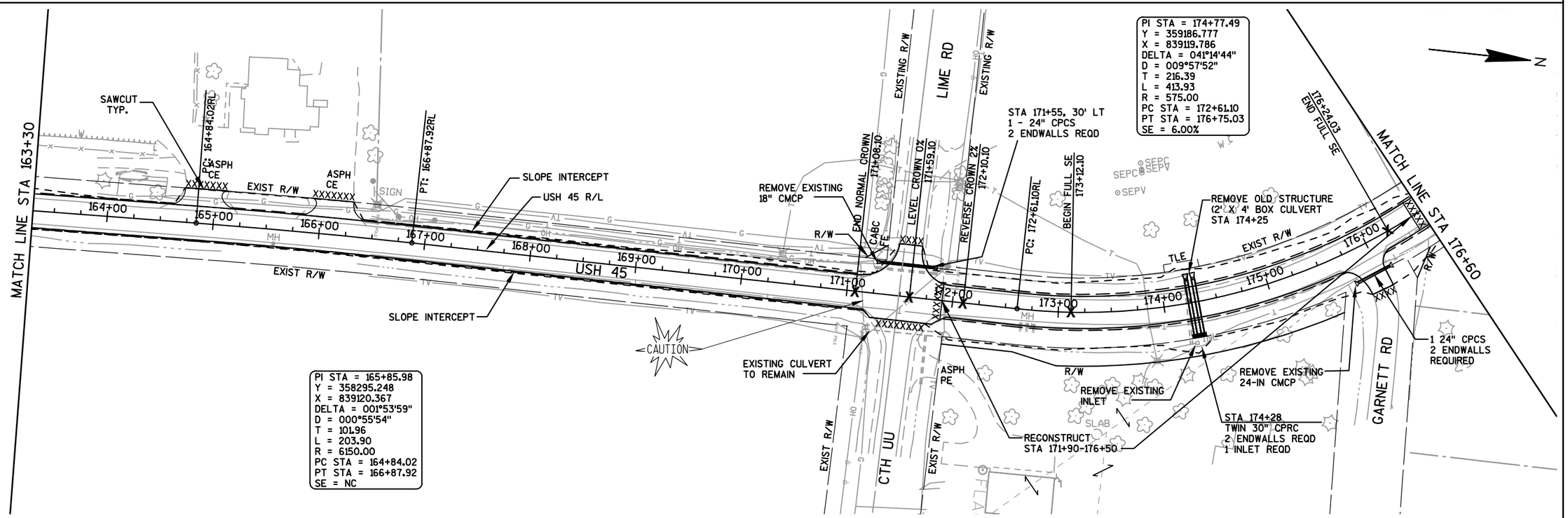




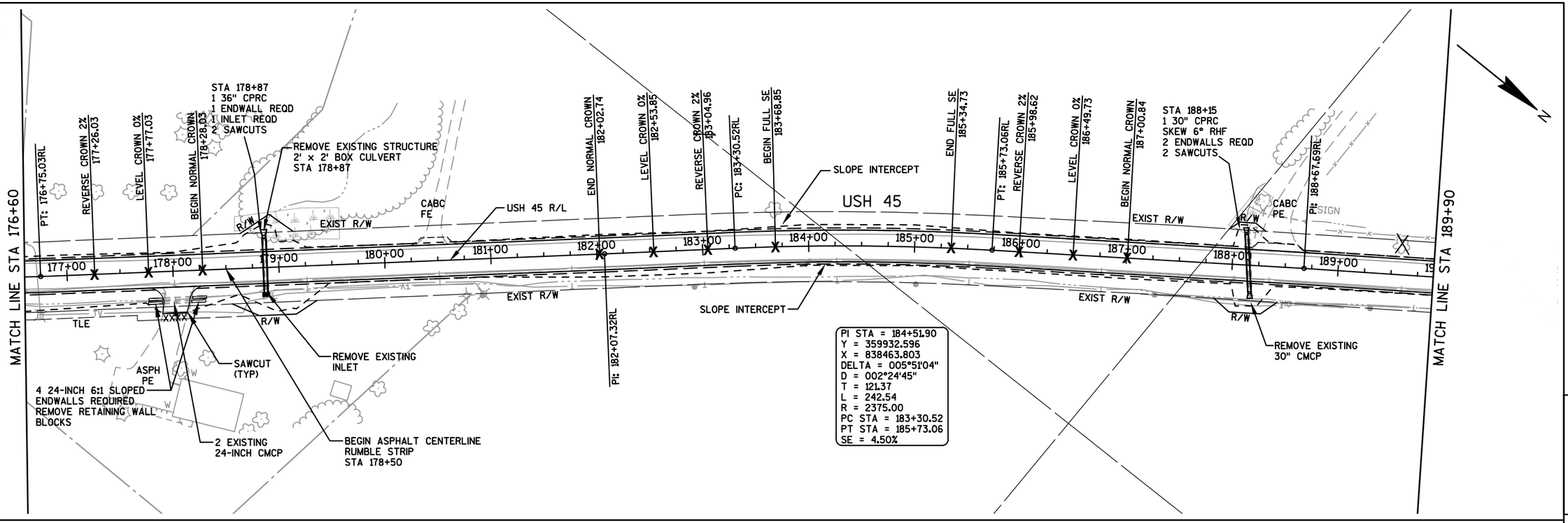


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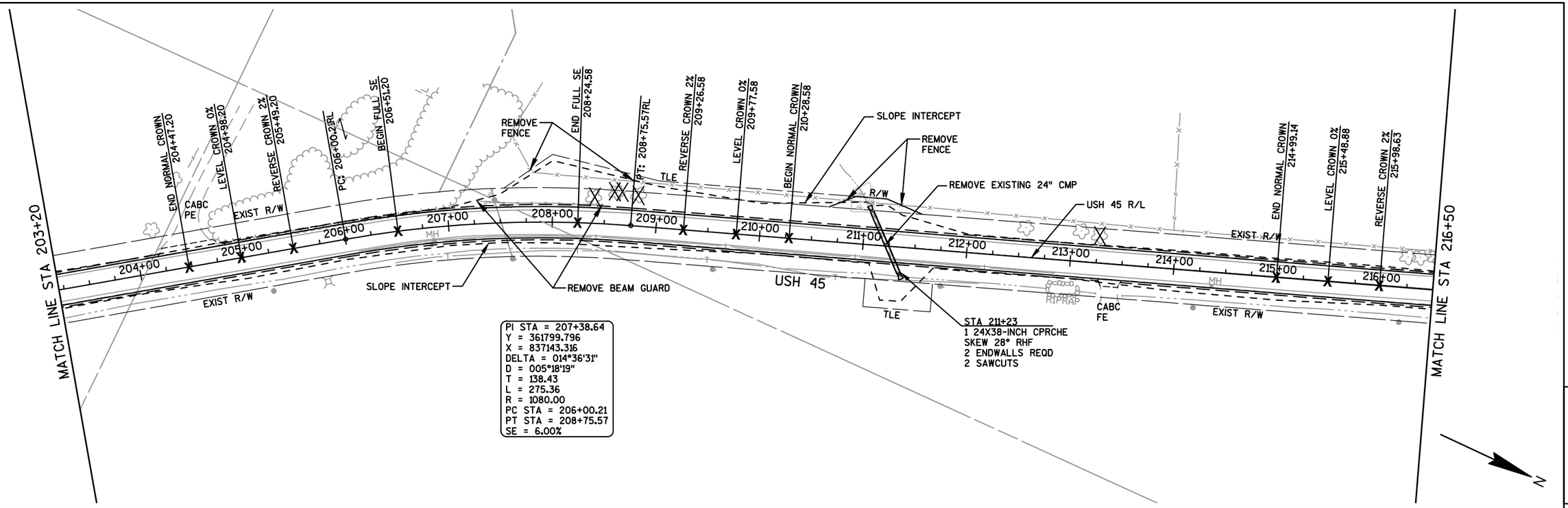


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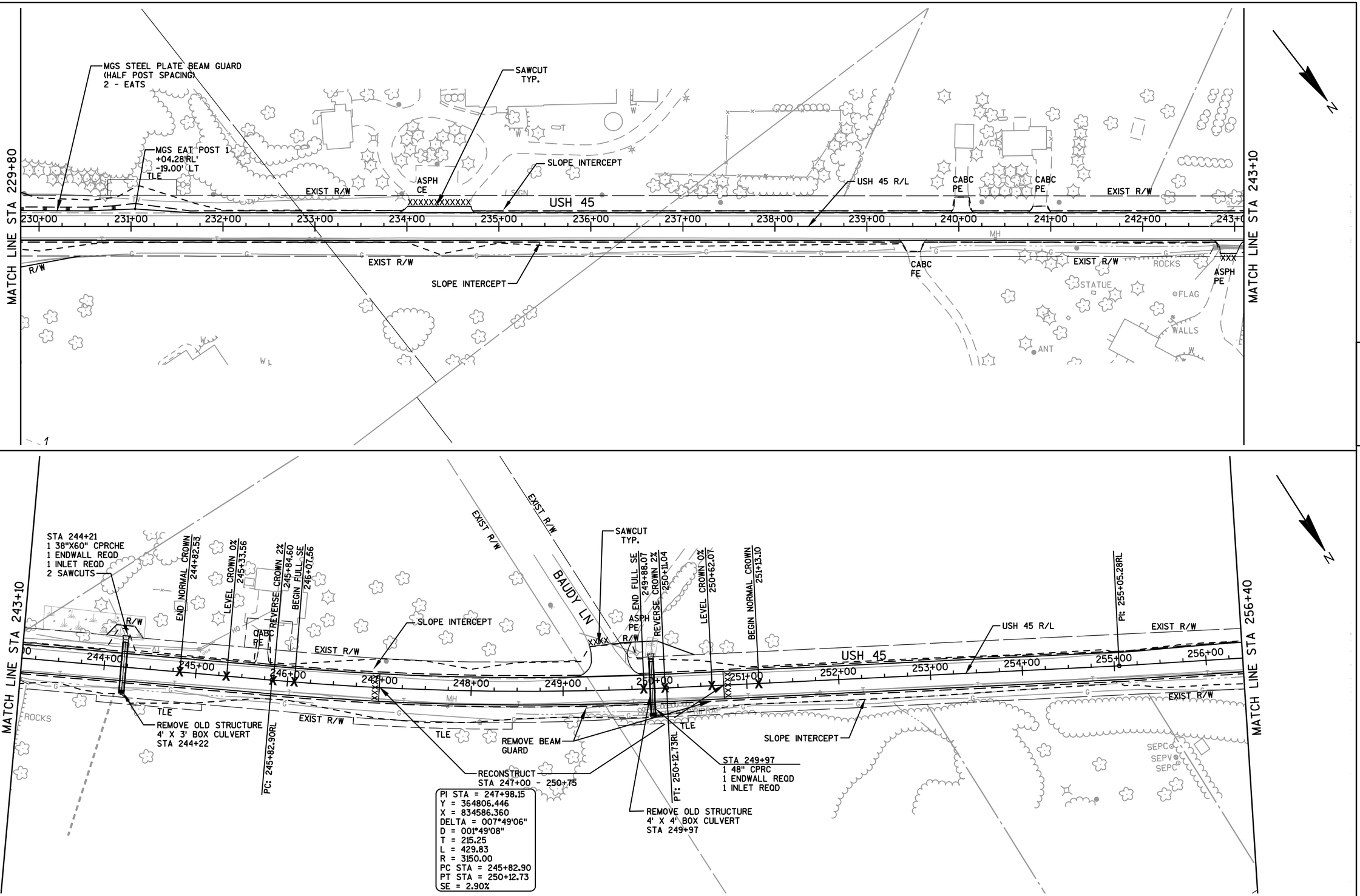


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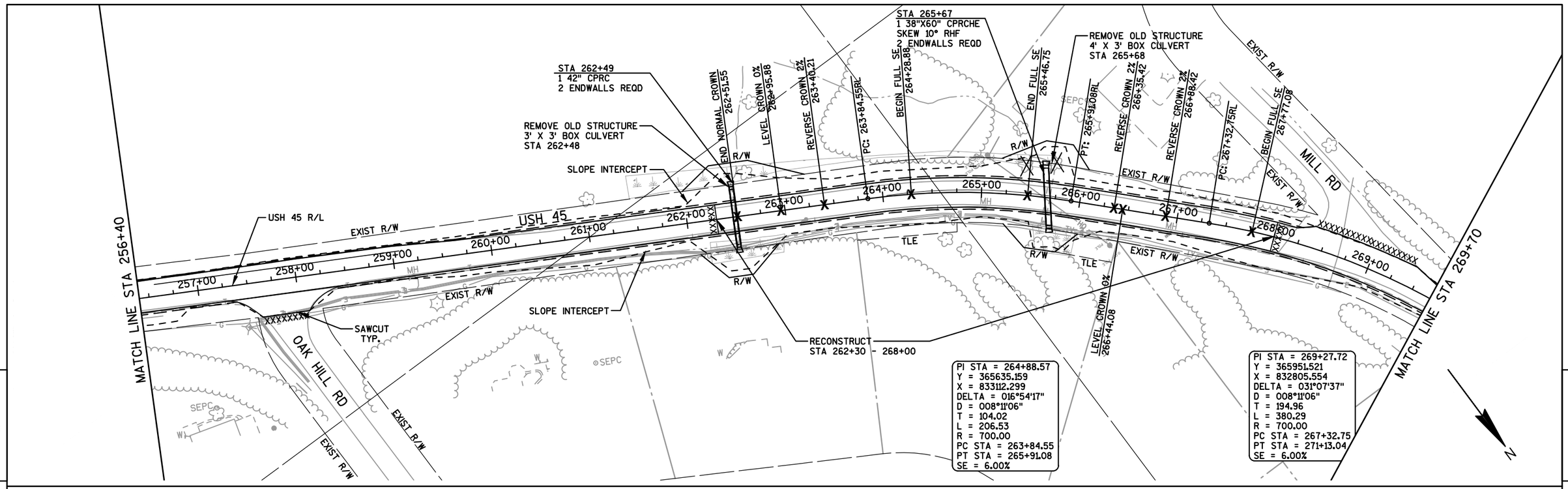
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 42

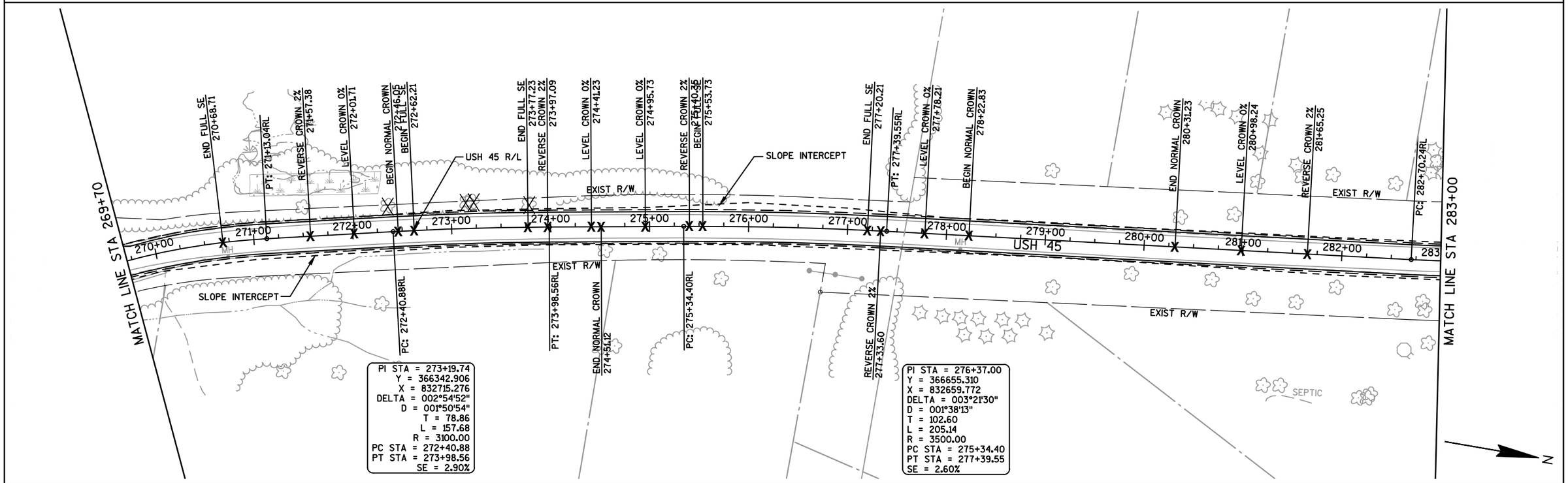


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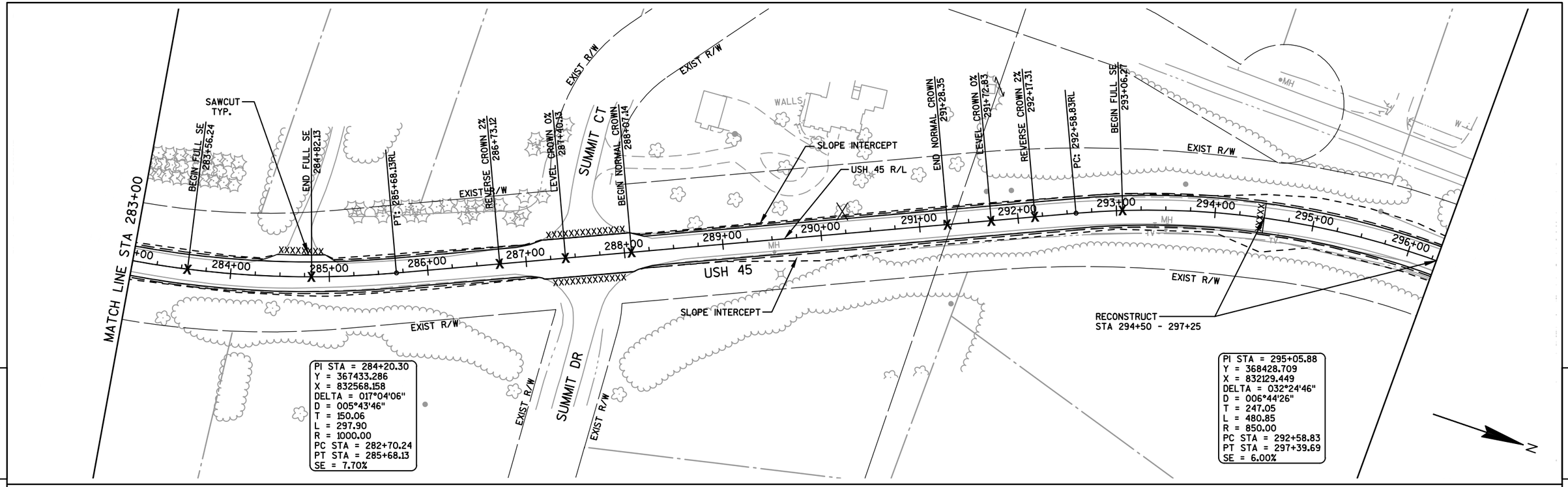


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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN	SHEET 138	E



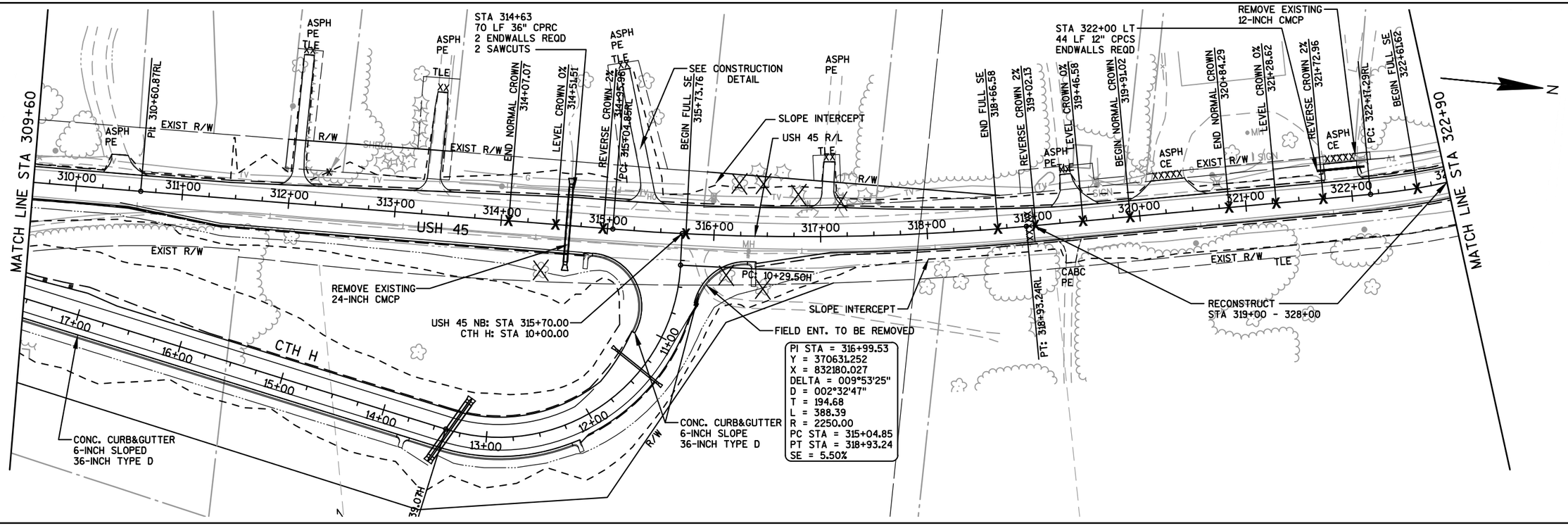
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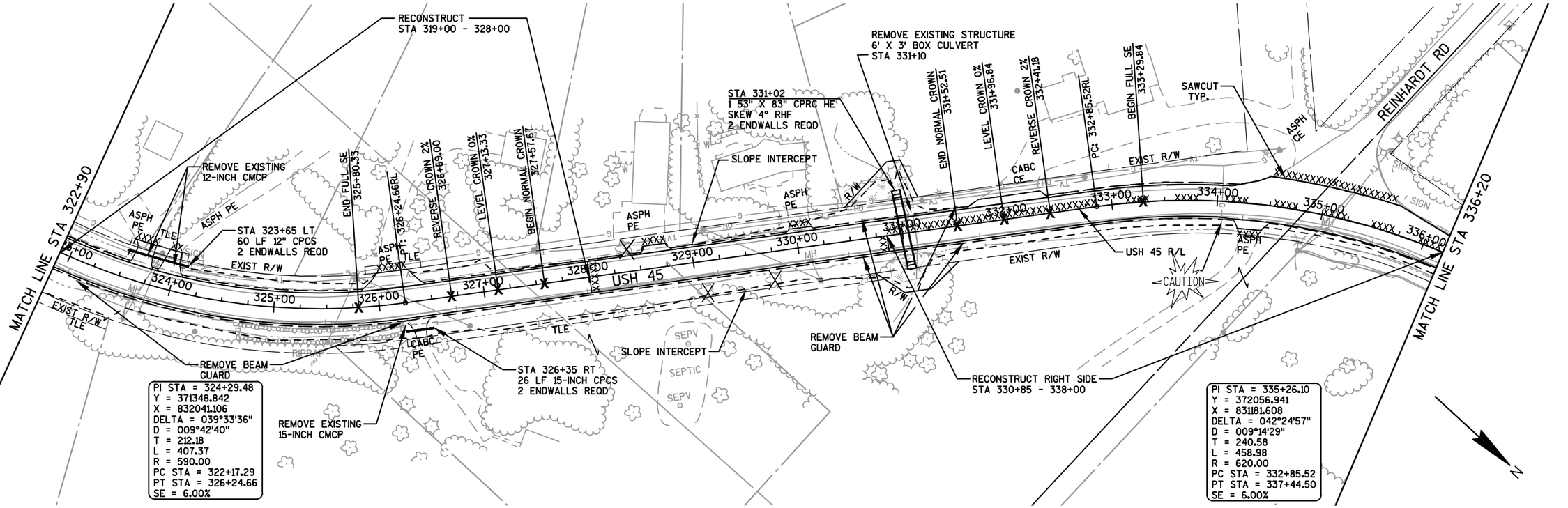
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41102671_050206_pn

PLOT DATE : 9/1/2017 10:51 AM

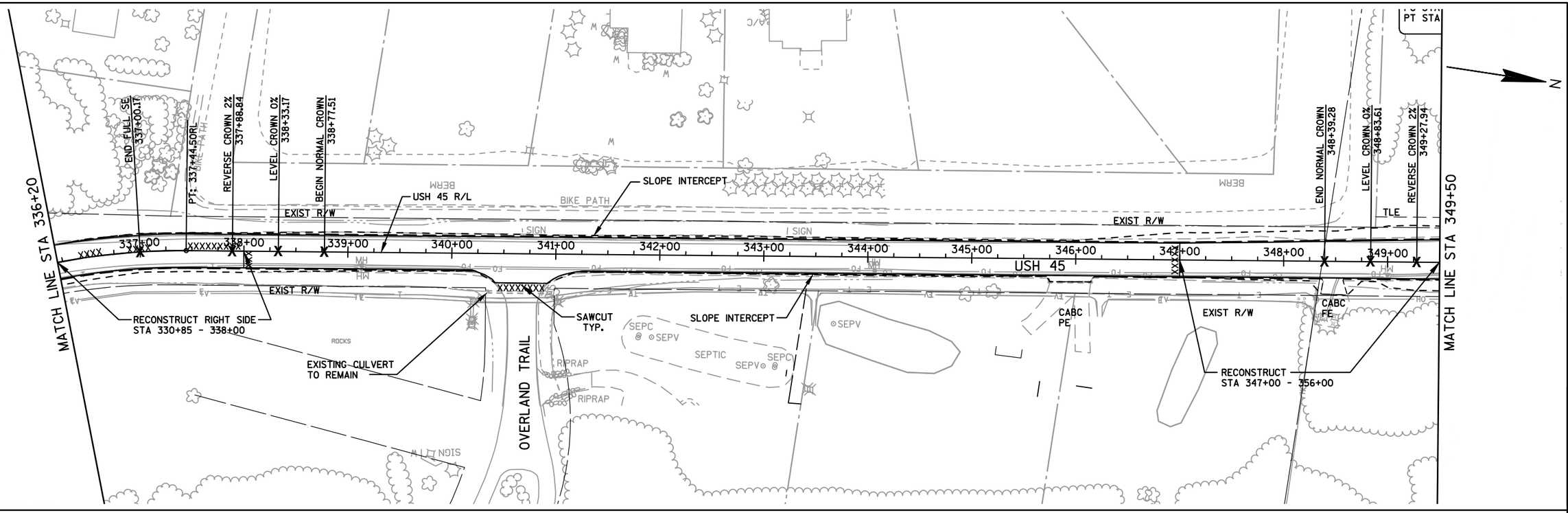
PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

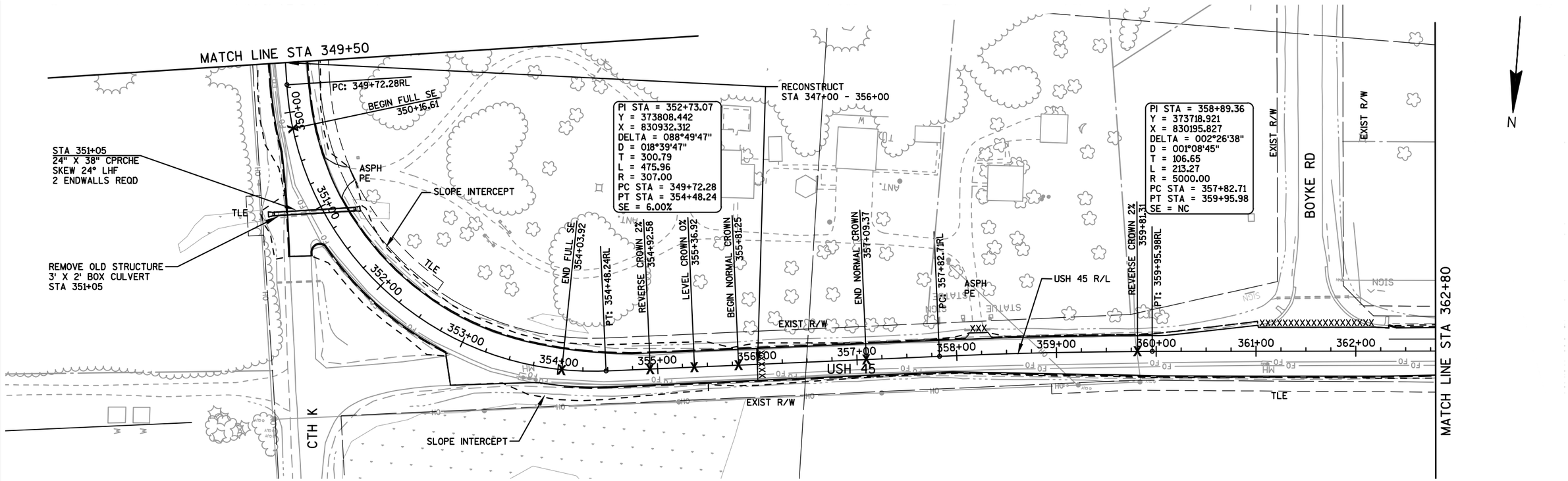
WISDOT/CADDS SHEET 42



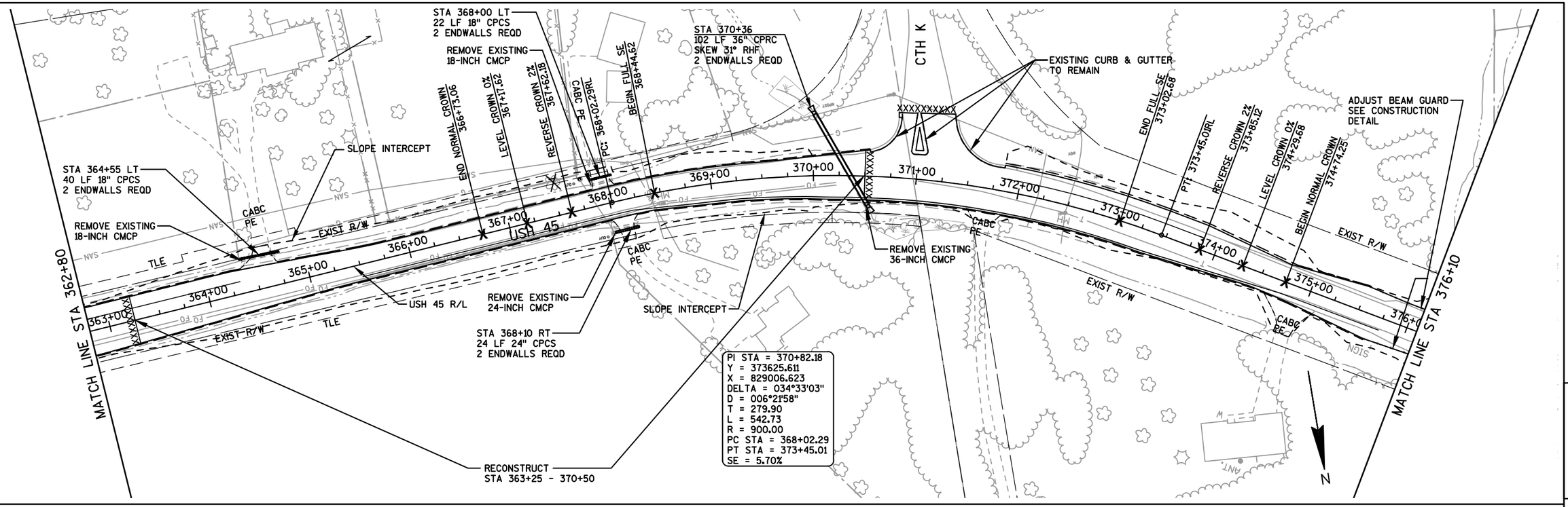


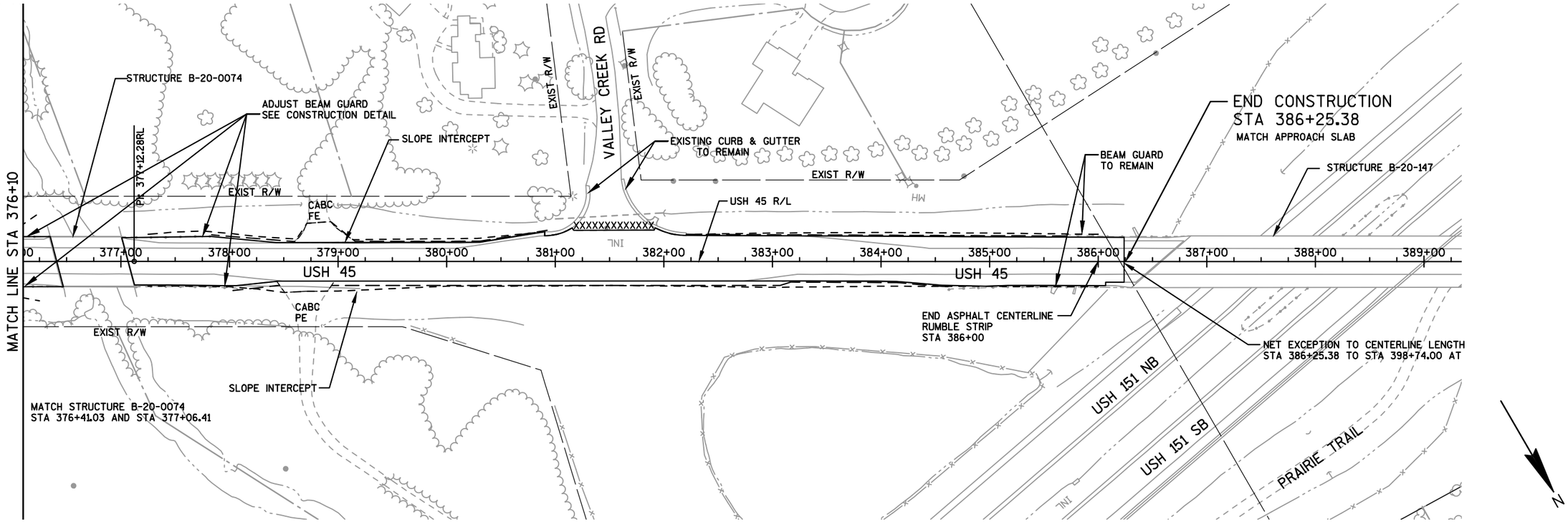
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN	SHEET 140	E



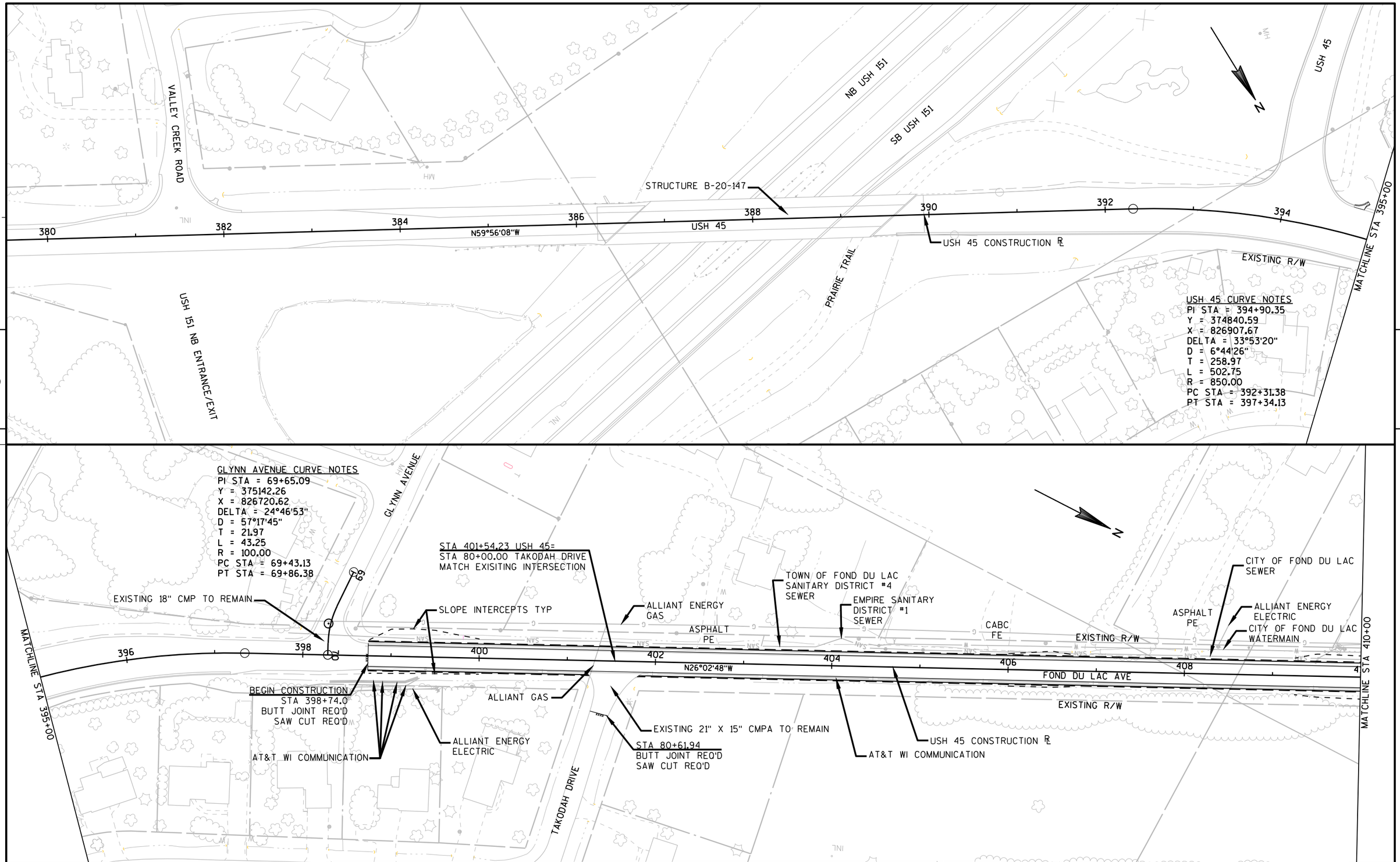


PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN	SHEET 141	E

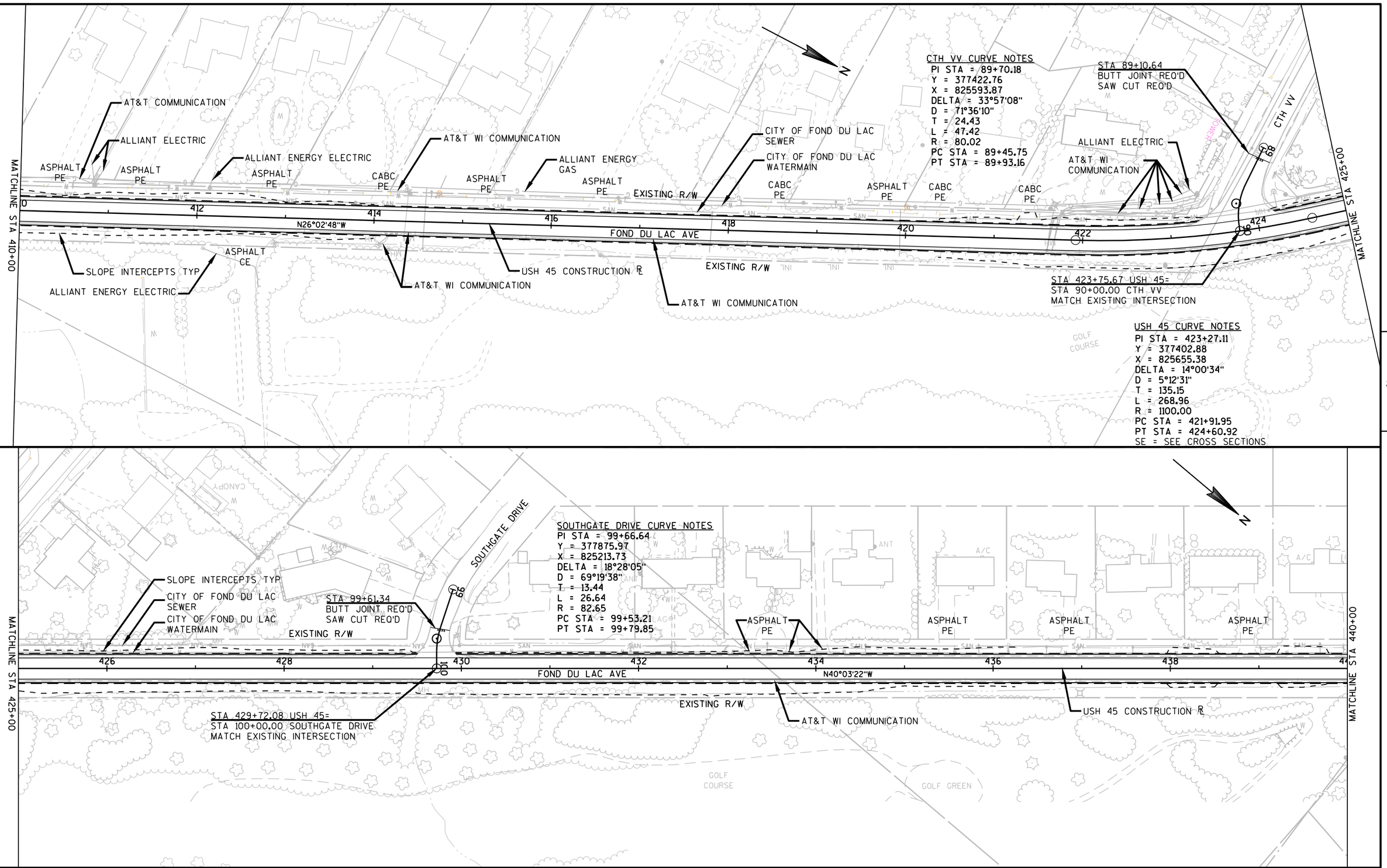




PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN	SHEET 142	E

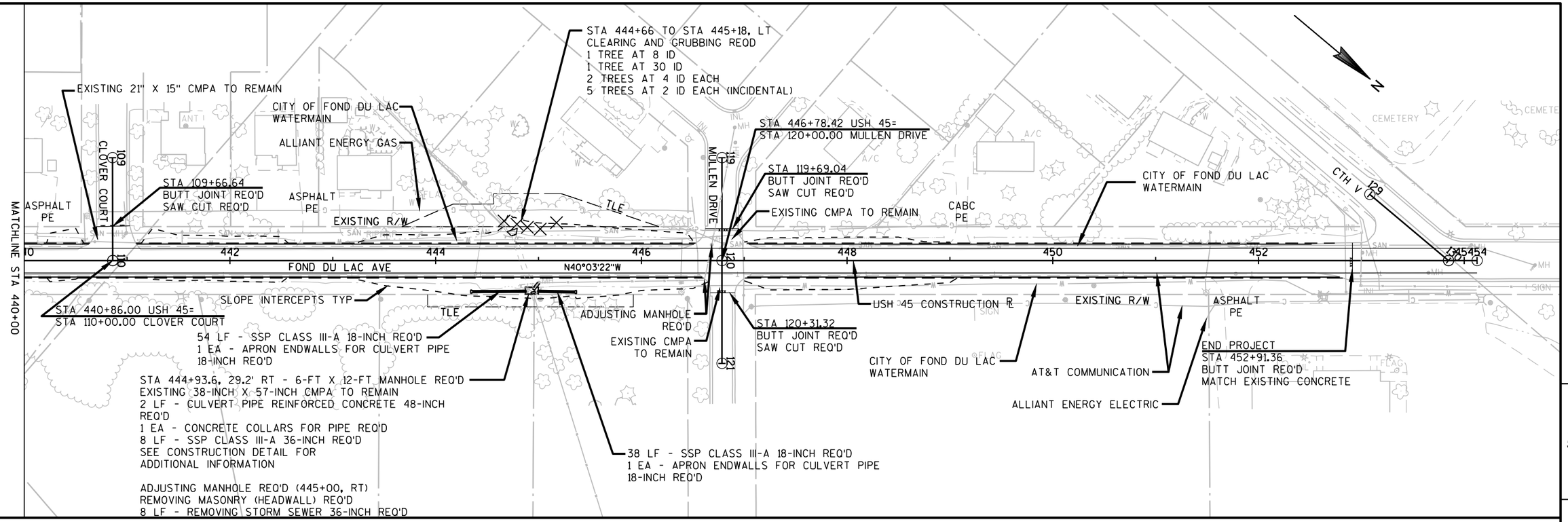


PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN: USH 45	SHEET 143	E



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	PLAN: USH 45	SHEET	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\PLAN SHEETS\050201_PN.DWG PLOT DATE : 8/22/2017 8:00 AM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1:100_XREF_XREF_XREF WISDOT/CADDS SHEET 44



5

5

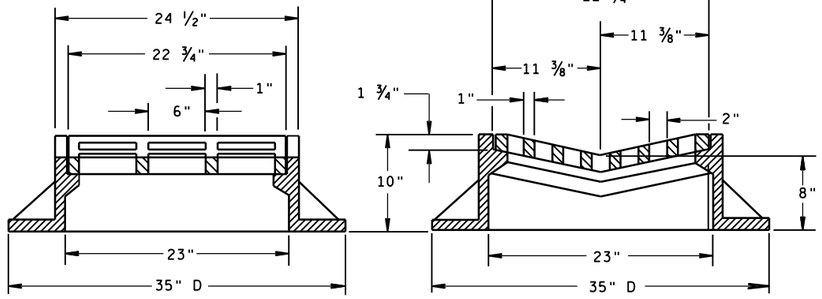
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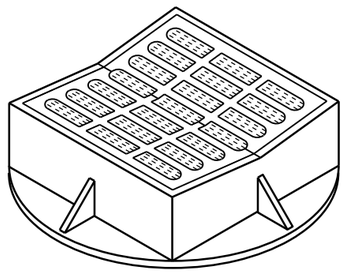
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WISDOT/CADDS SHEET 44

Standard Detail Drawing List

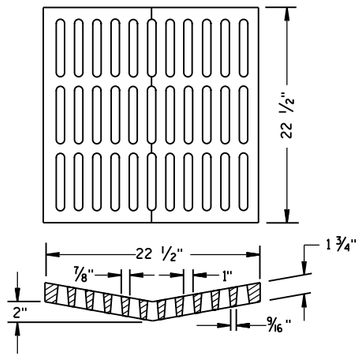
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
12A03-10	NAME PLATE (STRUCTURES)
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B42-05A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-05D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-03A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-03C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C03-04	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C26-03	END-OF-ROADWAY SIGNING
15C27-02A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-02B	PAVEMENT MARKING (ISLANDS)
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

6



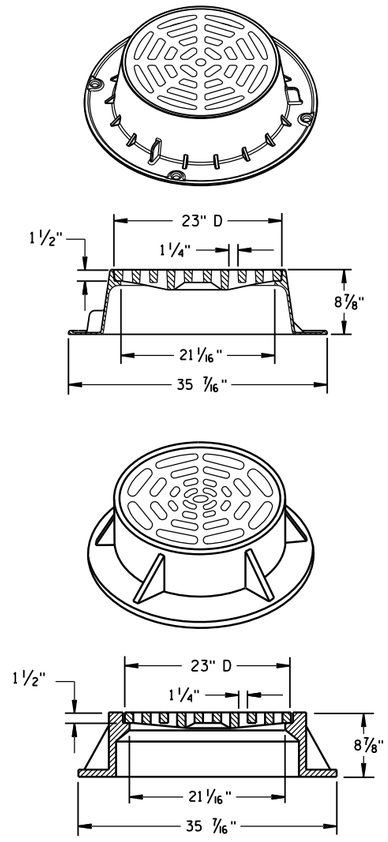


TYPE "B"



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"

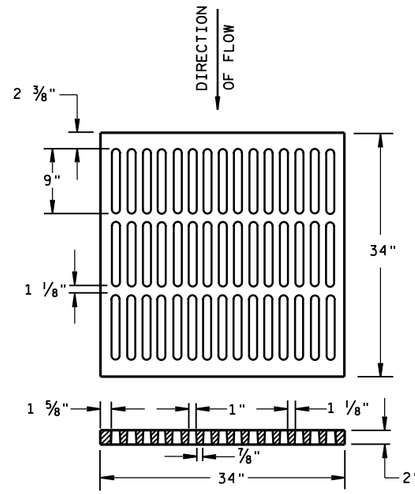
NOTE: EITHER CASTING IS ACCEPTABLE

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.

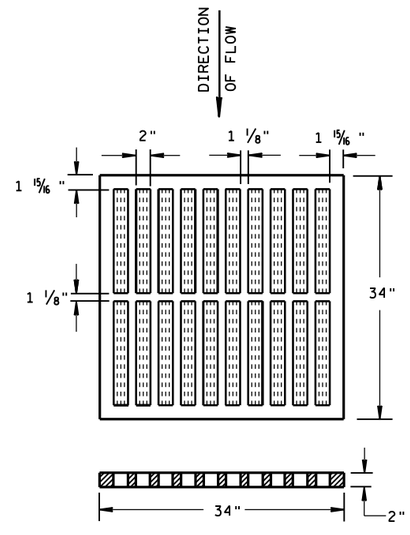
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



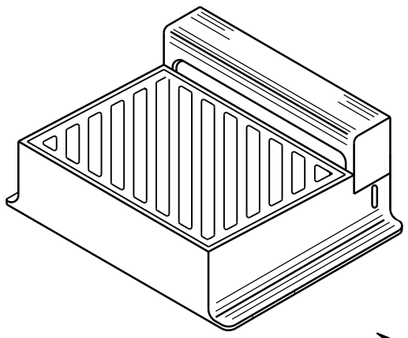
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

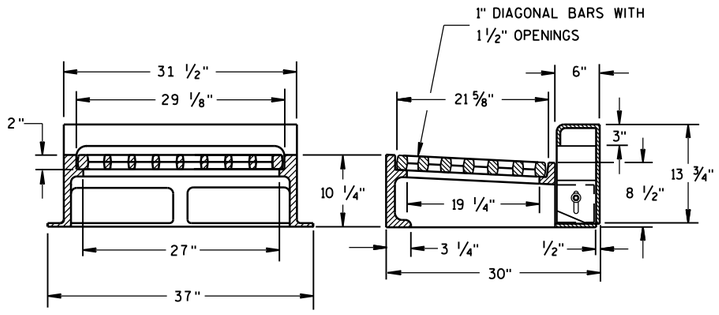


TYPE "MS"

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"

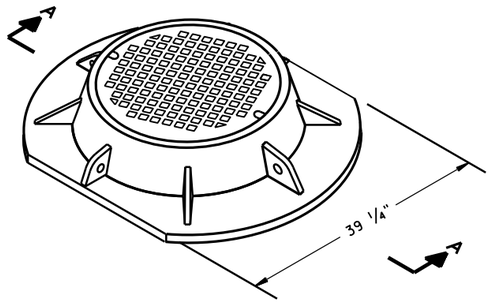
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

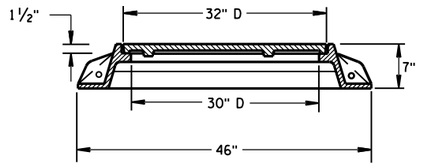
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

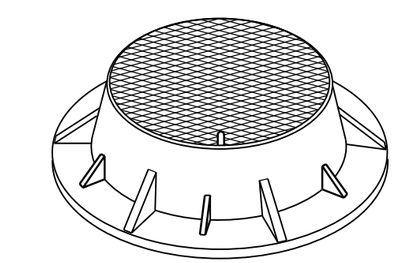
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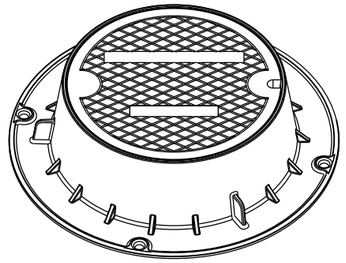
S.D.D. 8 A 5-19b

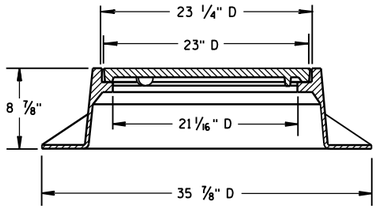


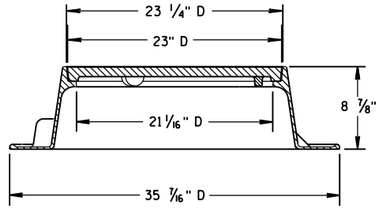


SECTION A-A
TYPE "K"









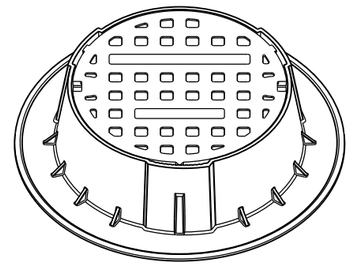
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

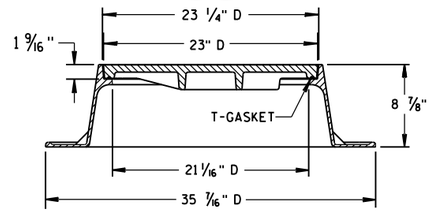
GENERAL NOTES

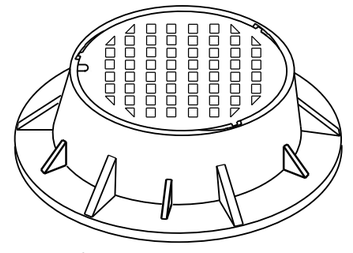
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

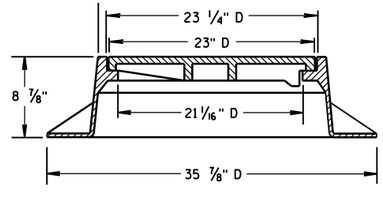
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

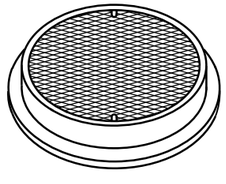


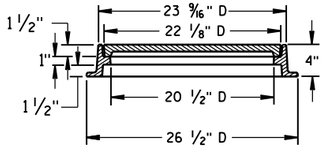




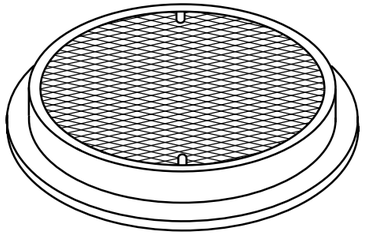


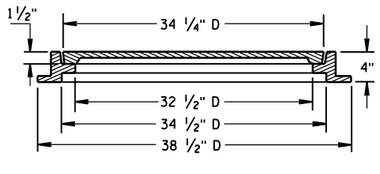
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



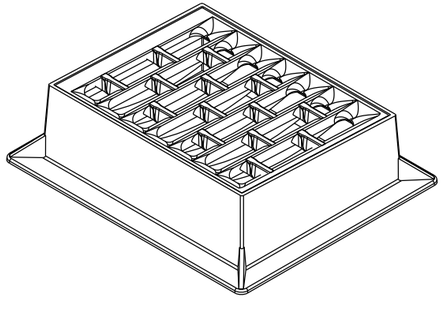


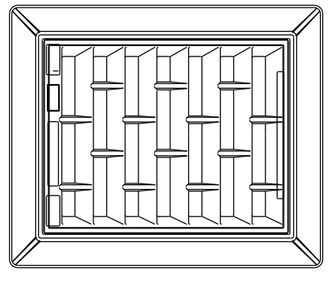
TYPE "L"

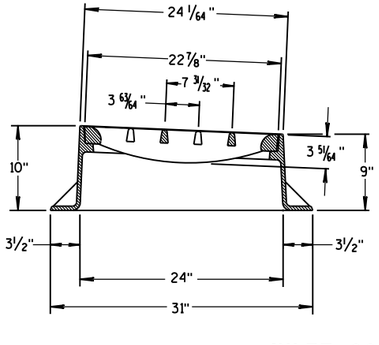


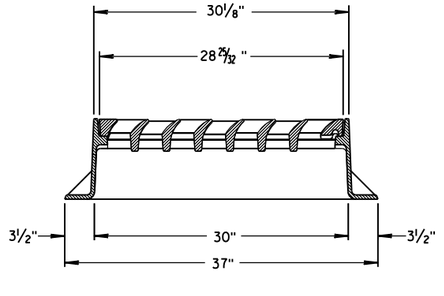


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

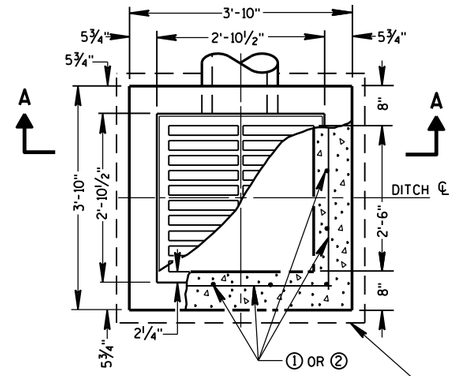
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

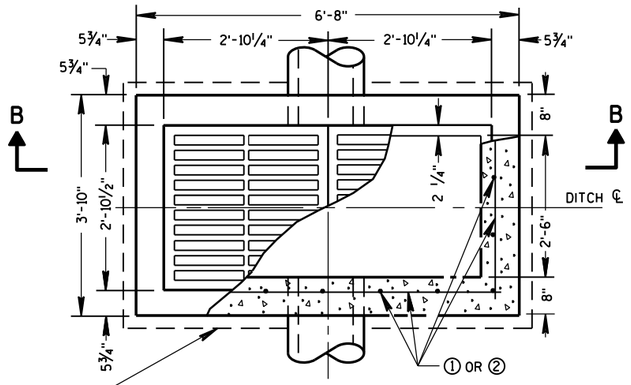
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

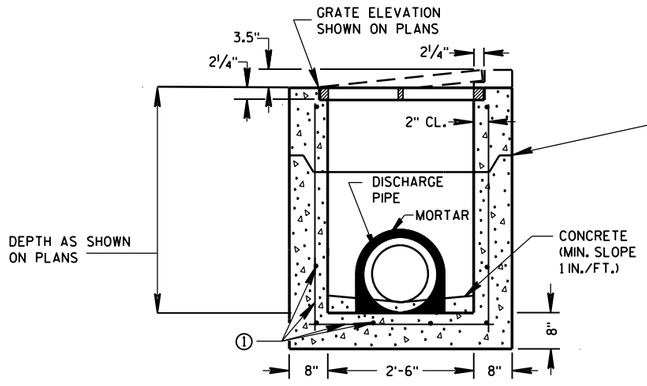


PLAN VIEW

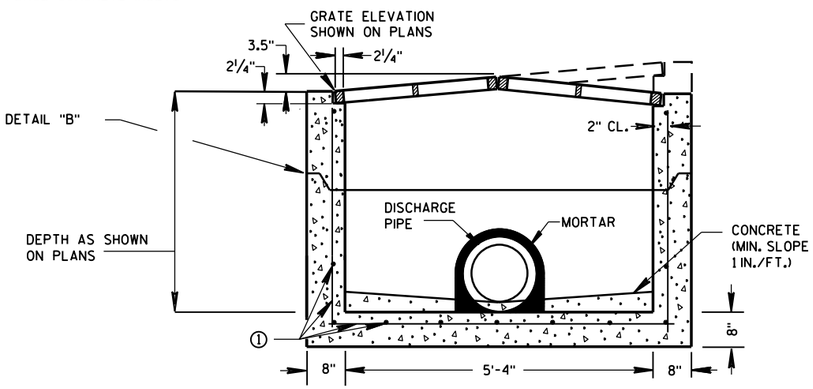


PLAN VIEW

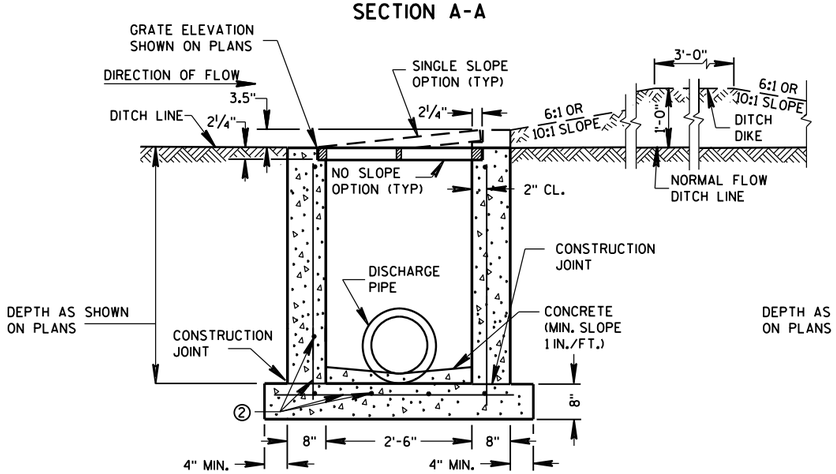
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



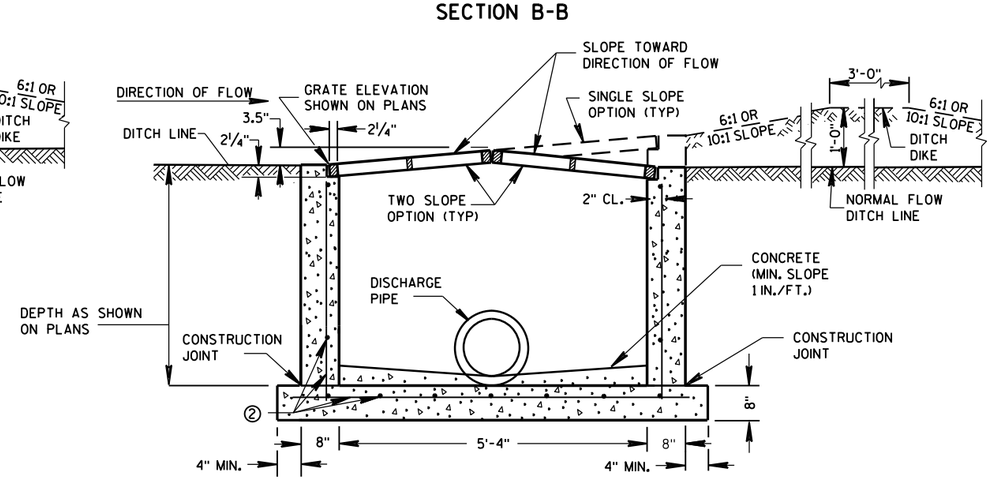
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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 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.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION 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.

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.

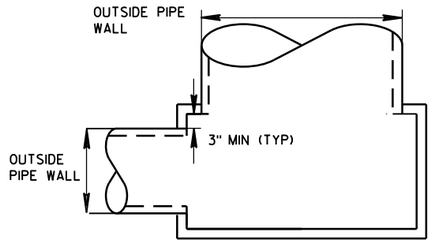
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

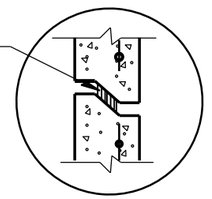
PIPE MATRIX

	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)



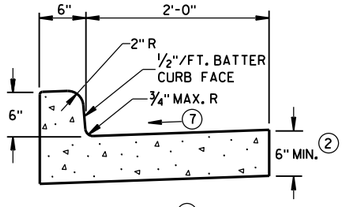
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

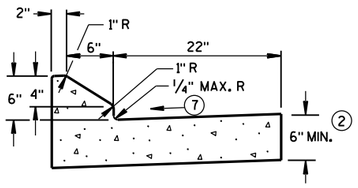
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

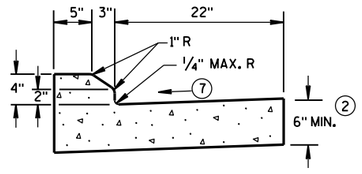
6
S.D.D. 8 C 8-2



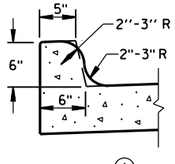
TYPES A (1) & D



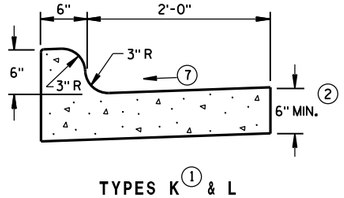
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

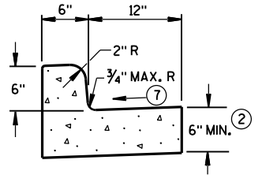


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



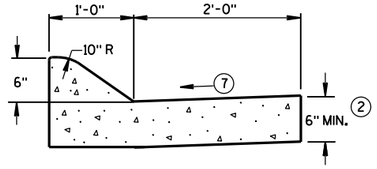
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

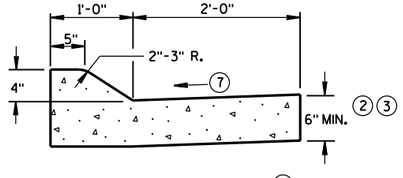


TYPES A (1) & D

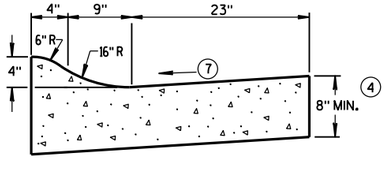
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

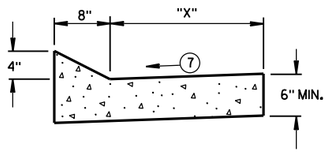


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

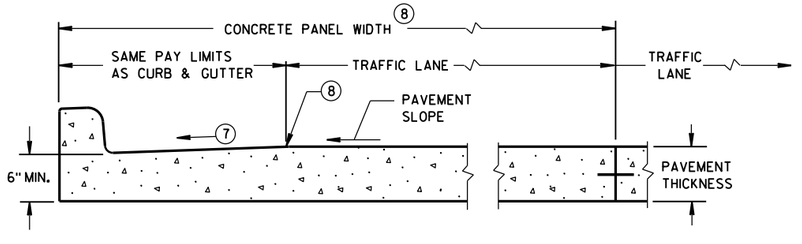
CONCRETE CURB & GUTTER 36"



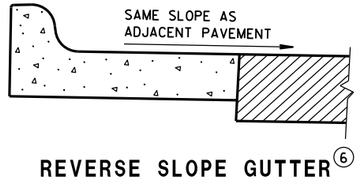
TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

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.

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, R AND TBTT.

(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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'

* BIKE LANE IS NOT SHOWN.

CONCRETE CURB & GUTTER

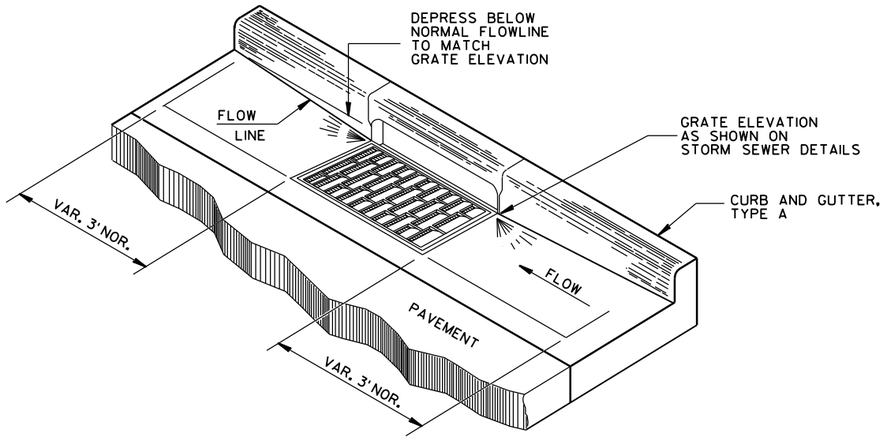
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

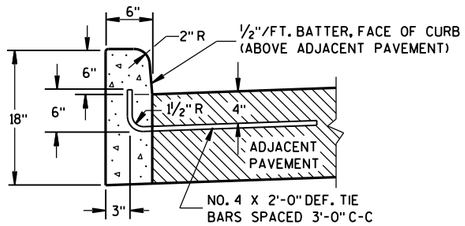
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

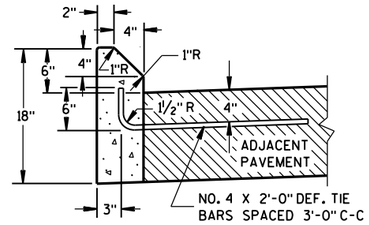
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

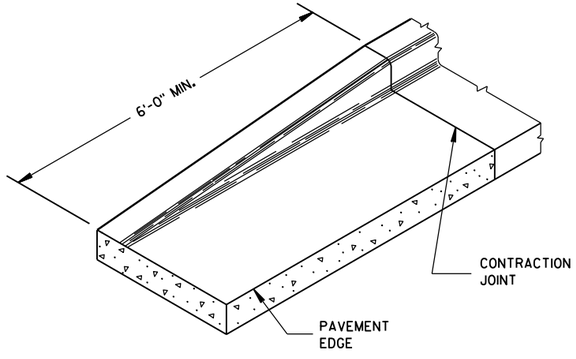


TYPES A(1) & D

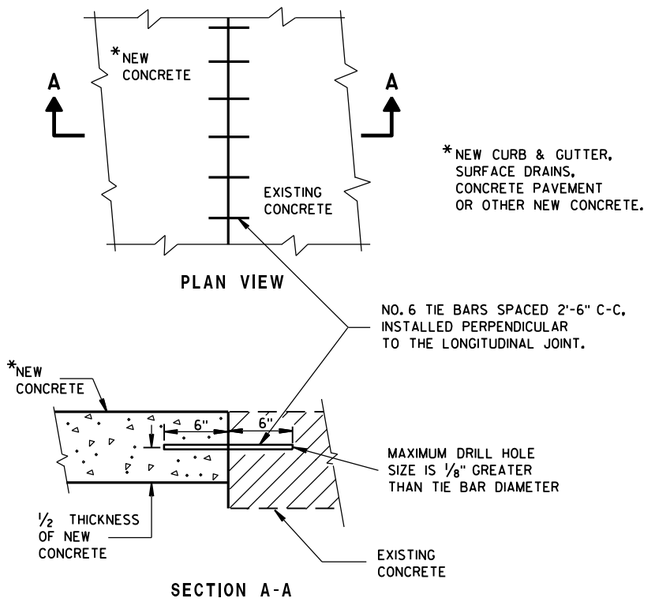


TYPES G(1) & J

CONCRETE CURB



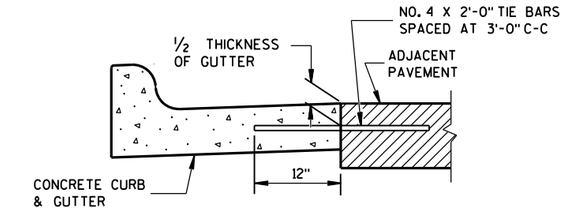
END SECTION CURB & GUTTER



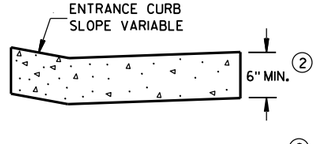
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

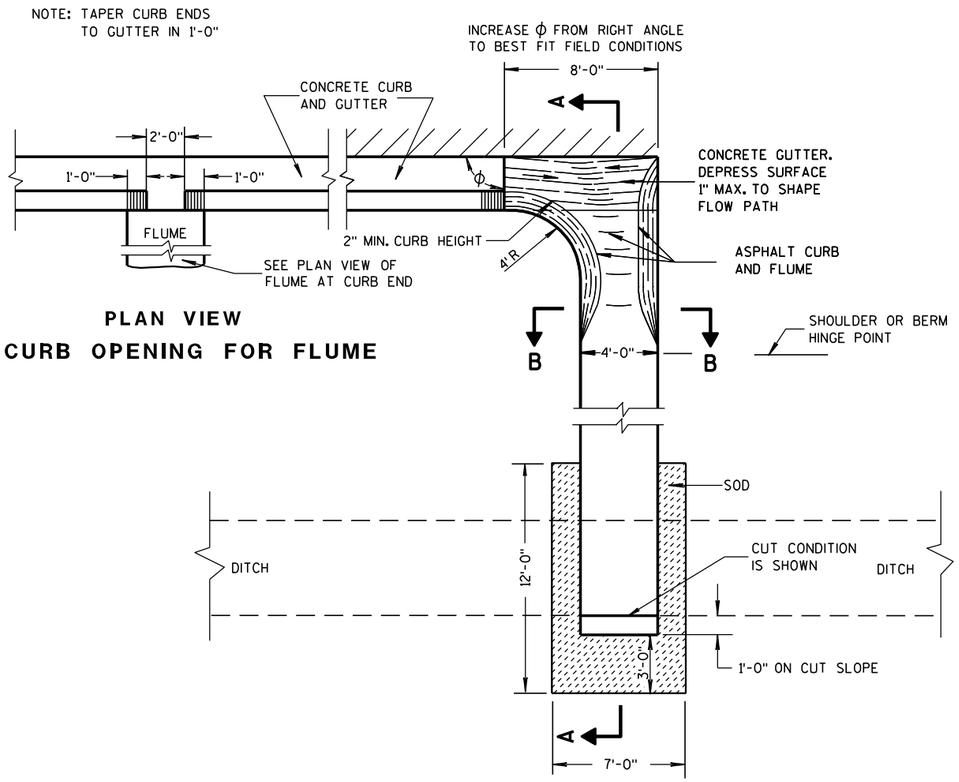
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA
ENT

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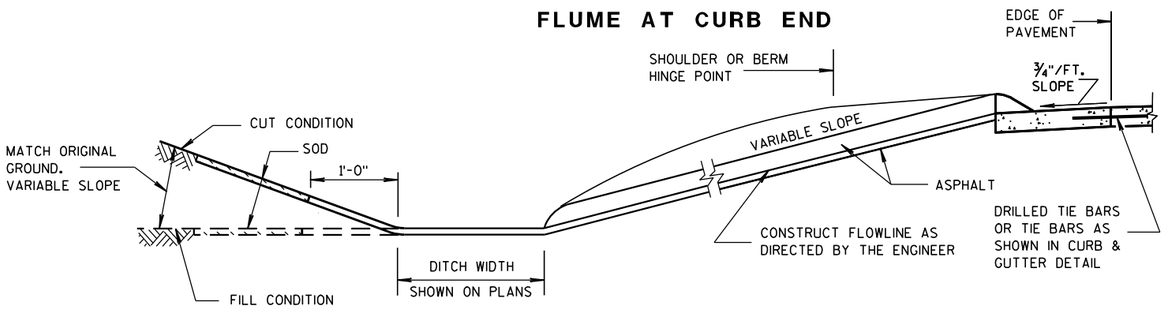
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

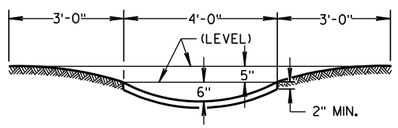


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

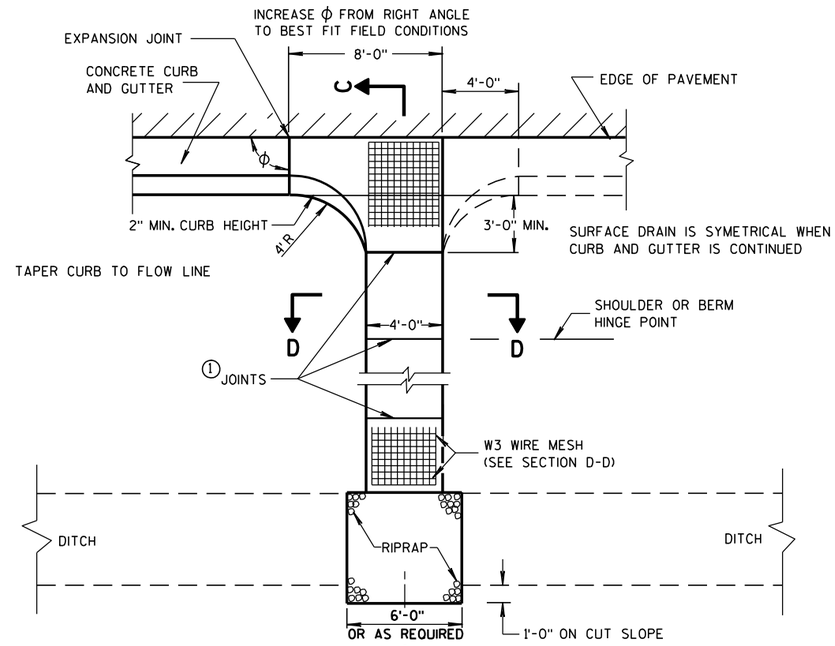
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

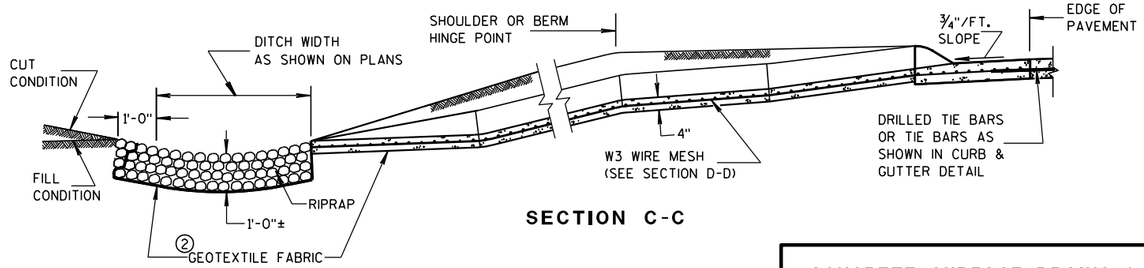
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

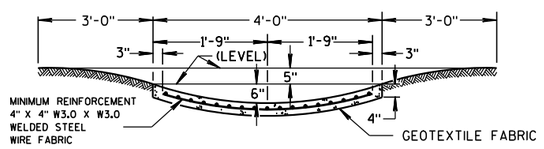
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

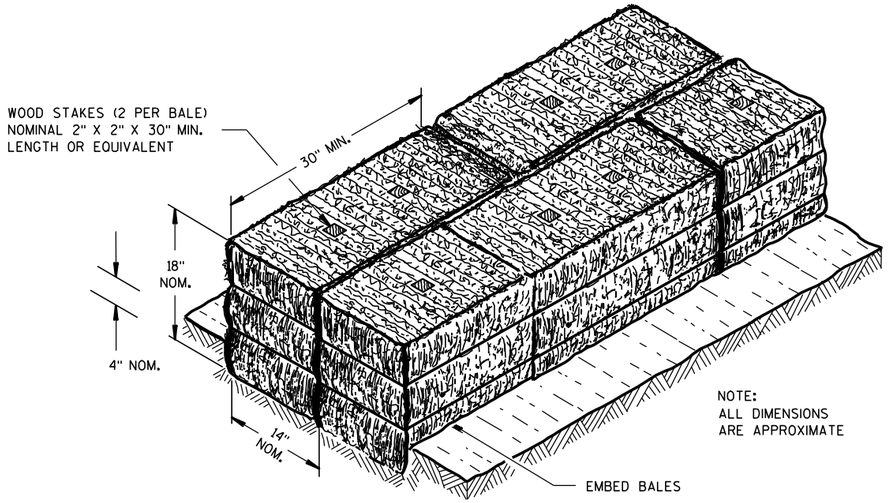
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
152
MENT
FHWA

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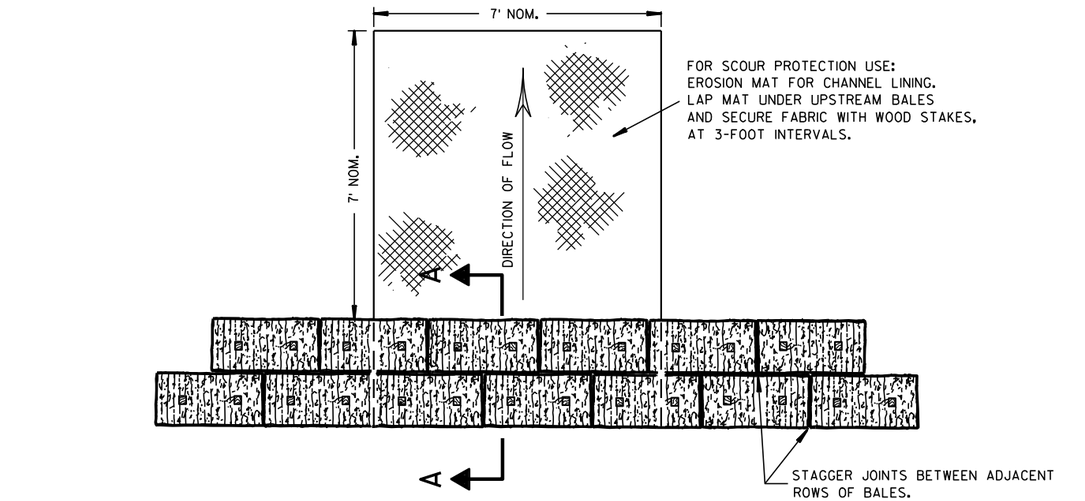
S.D.D. 8 D 4-5

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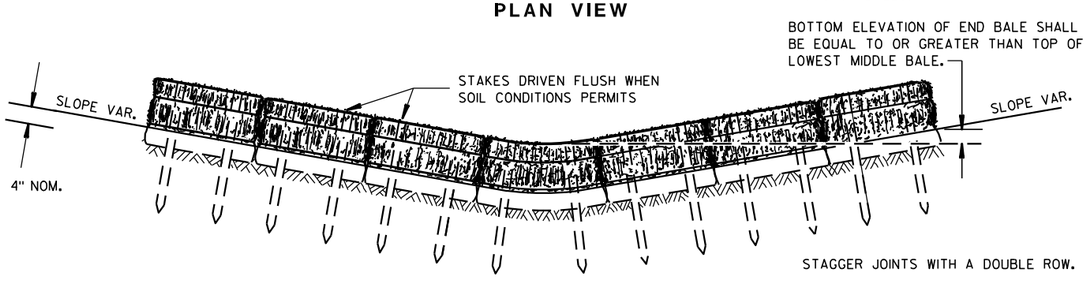
S.D.D. 8 D 4-5



SECTION A-A



PLAN VIEW



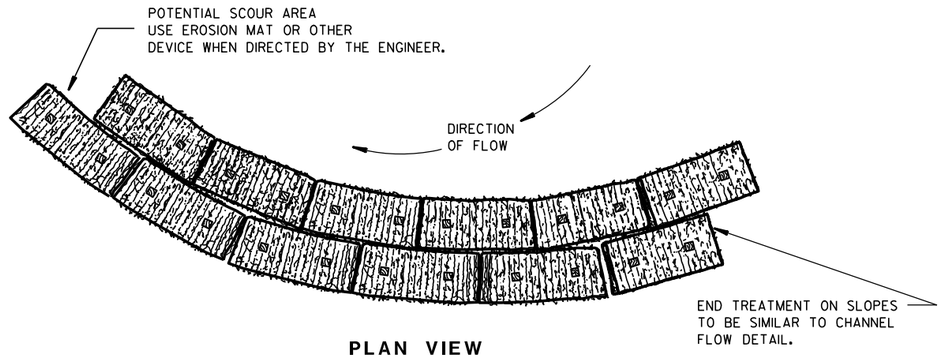
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

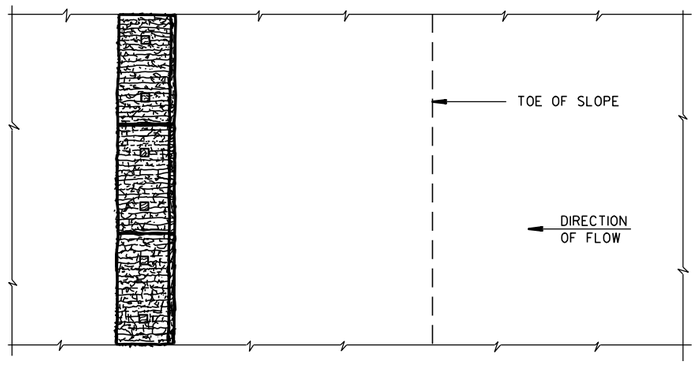
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

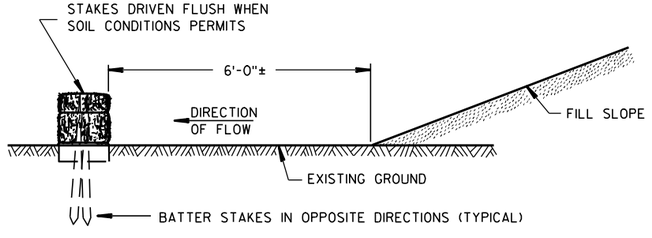


PLAN VIEW

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

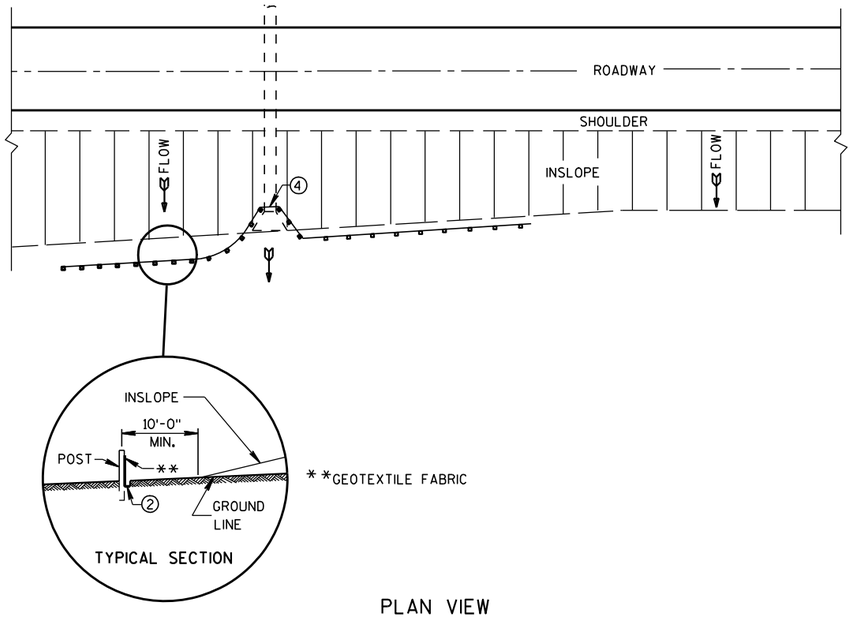
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3

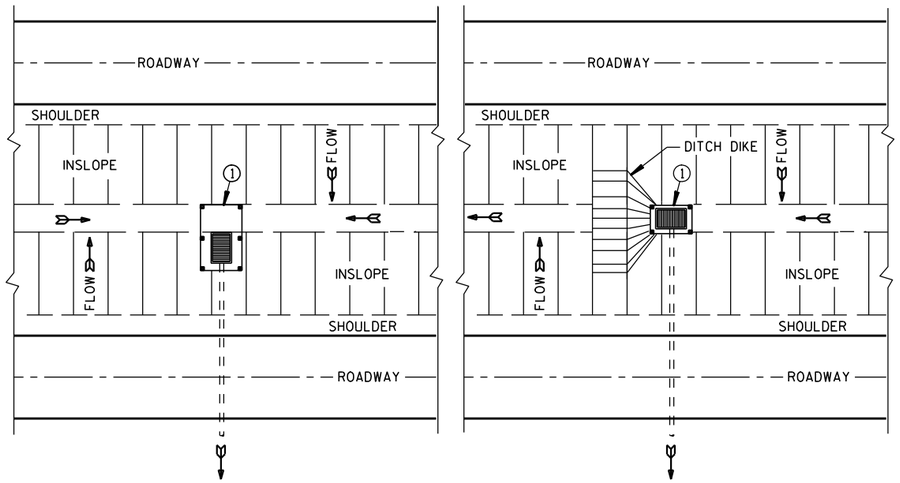
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



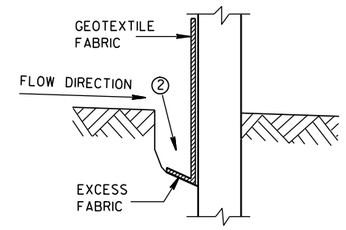
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

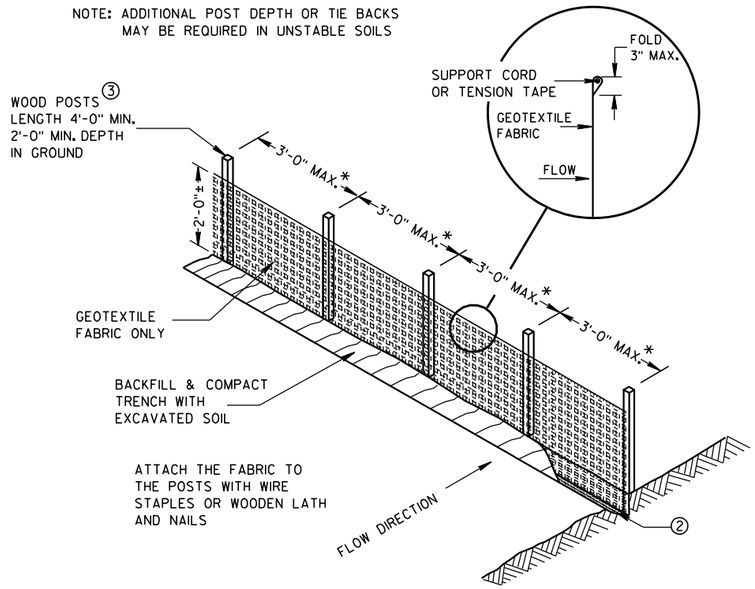
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

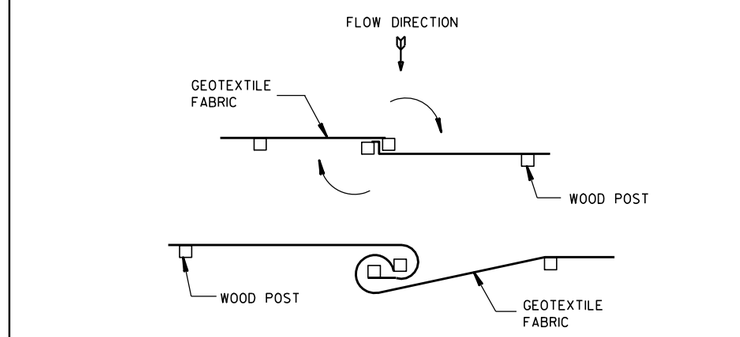


TRENCH DETAIL

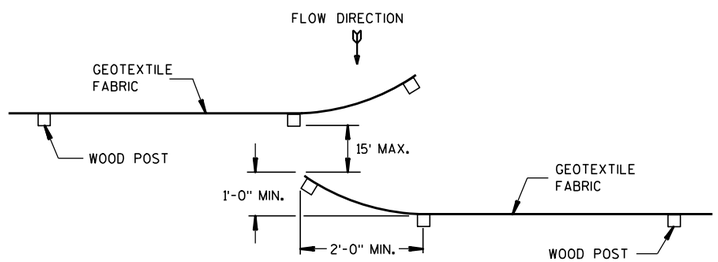


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

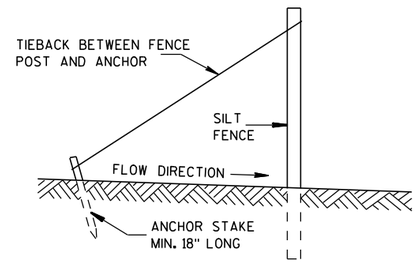


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

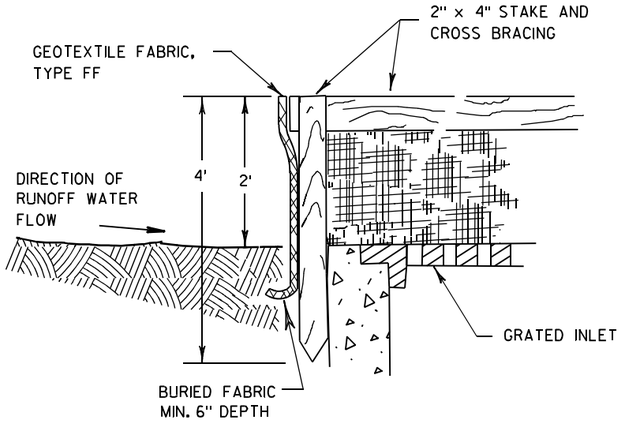
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

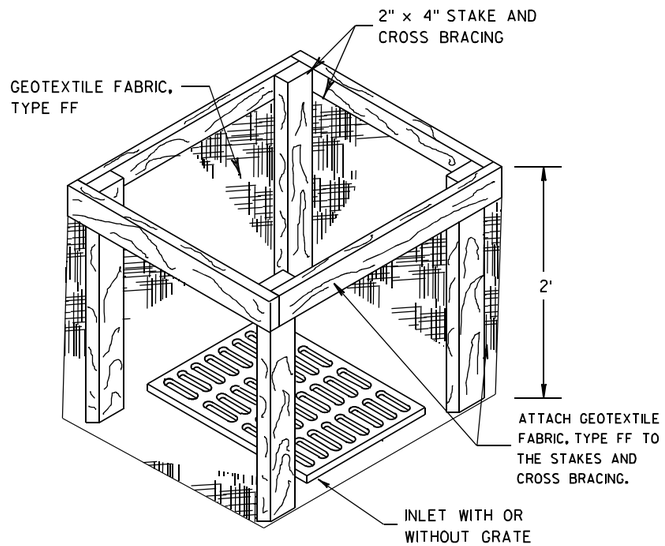
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S.D.D. 8 E 9-6

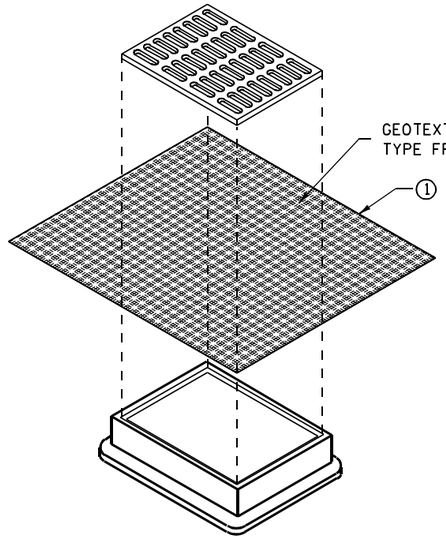
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S.D.D. 8 E 9-6



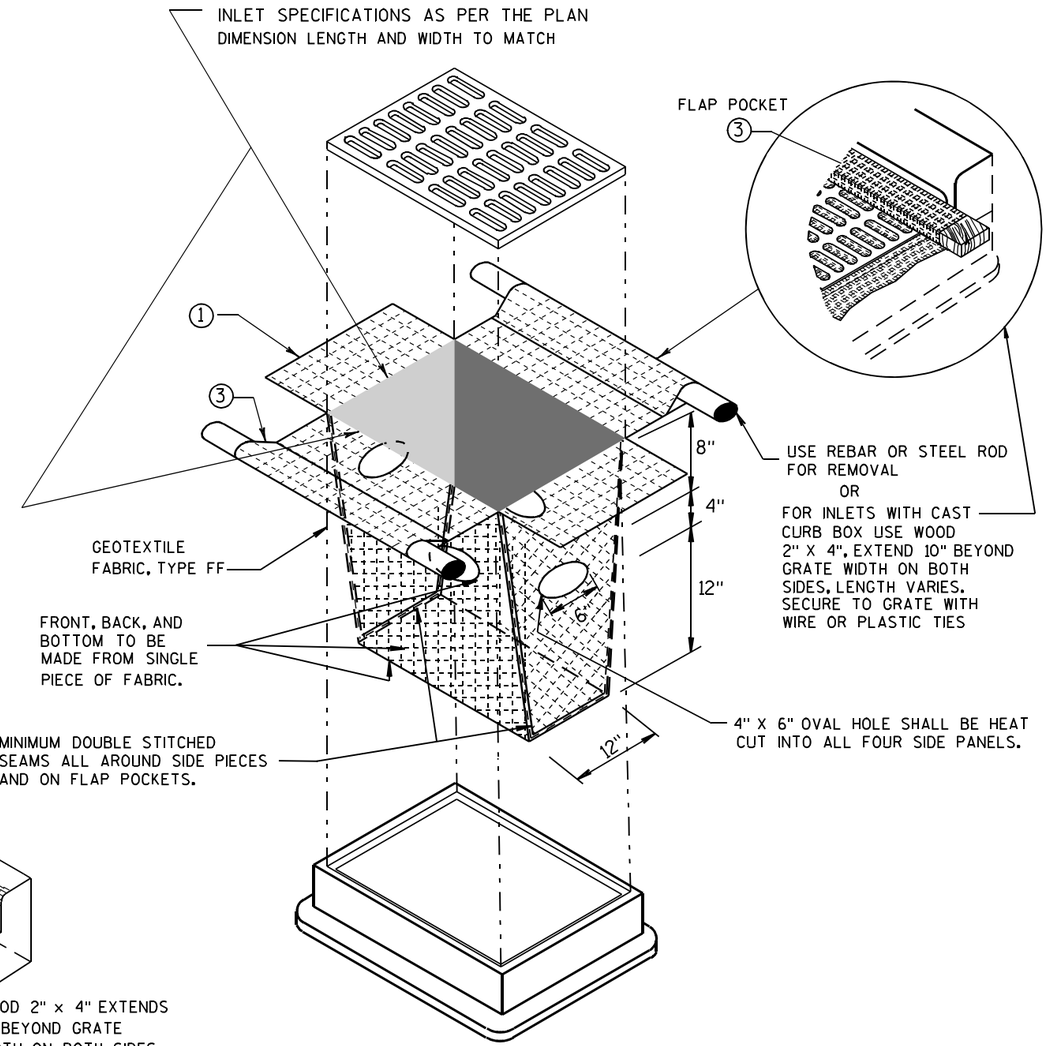


INLET PROTECTION, TYPE A



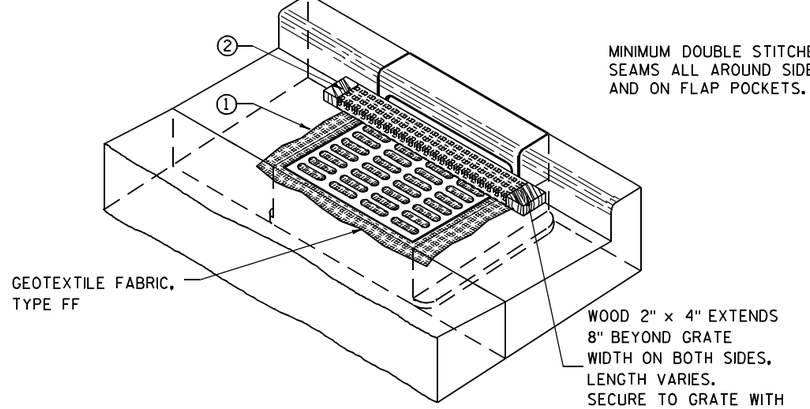
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

METAL APRON ENDWALLS

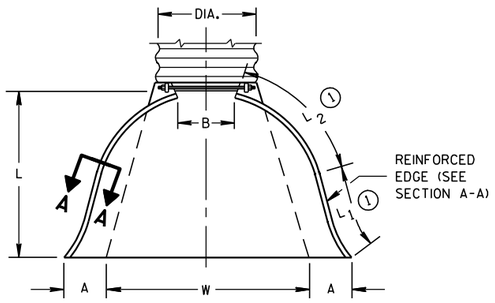
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

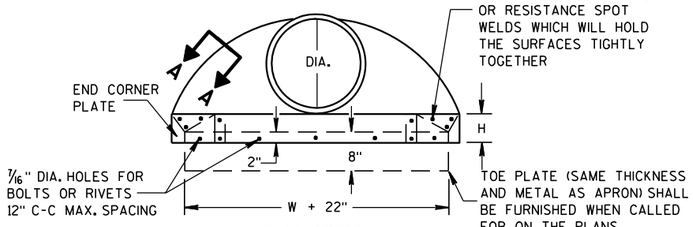
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

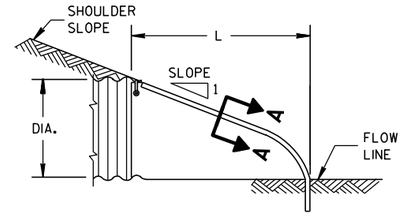
*MINIMUM
**MAXIMUM



PLAN VIEW

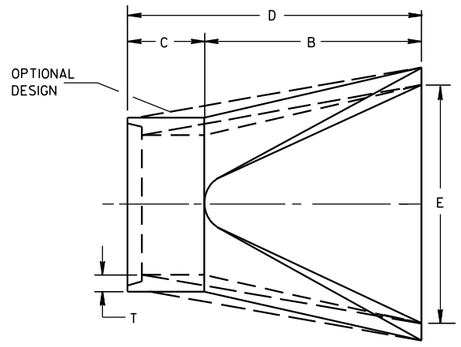


END VIEW

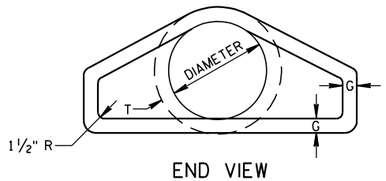


SIDE ELEVATION

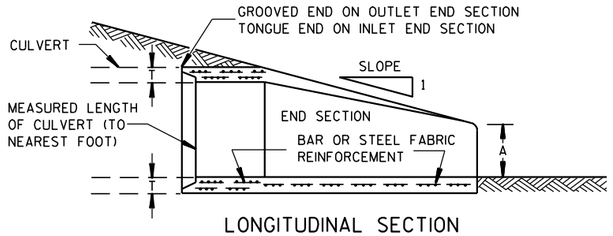
METAL ENDWALLS



PLAN

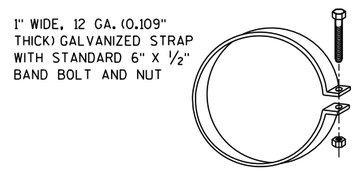


END VIEW



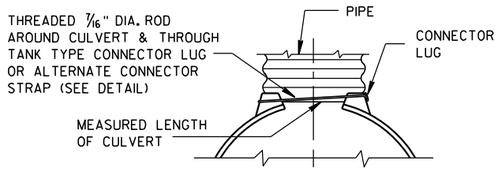
LONGITUDINAL SECTION

CONCRETE ENDWALLS

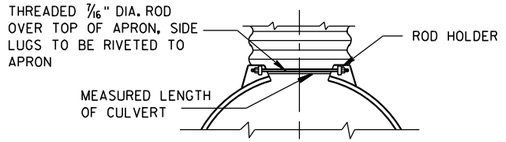


ALTERNATE FOR TYPE 1 CONNECTION

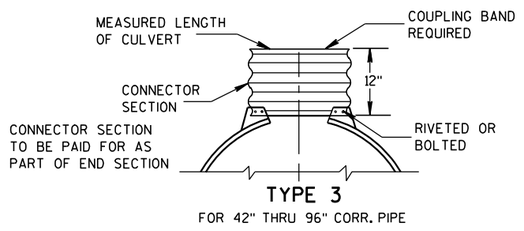
END SECTION CONNECTOR STRAP



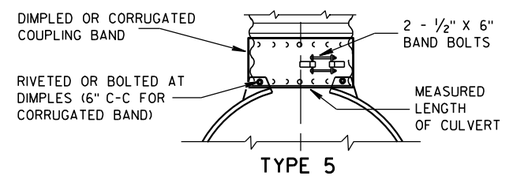
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

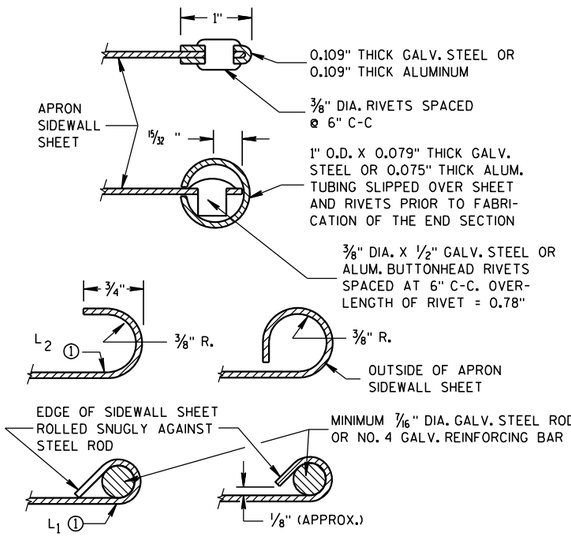
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

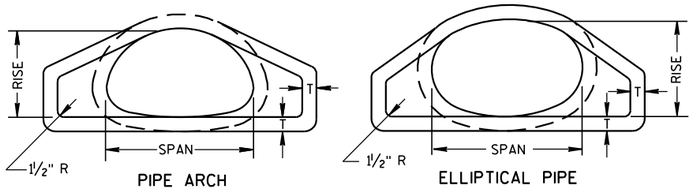
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

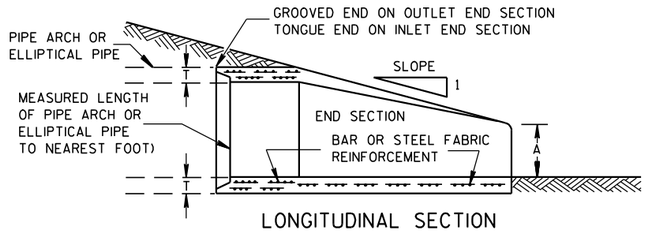
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

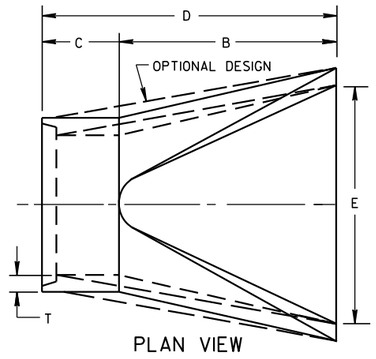
6
S.D.D. 8 F 1-11



END VIEW

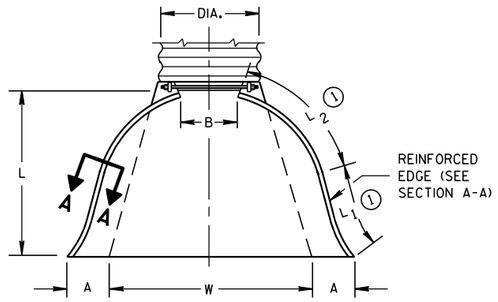


LONGITUDINAL SECTION

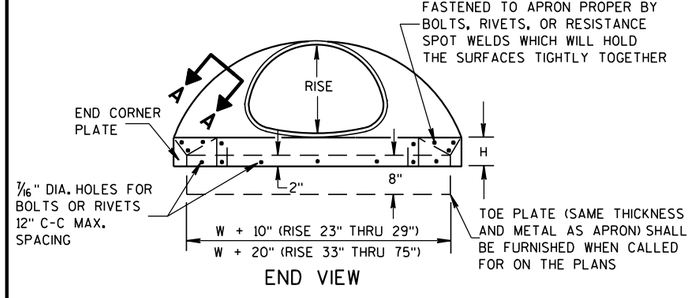


PLAN VIEW

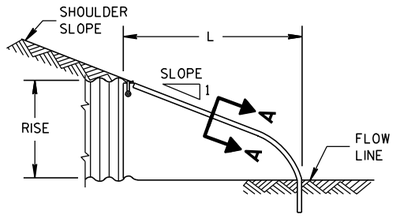
CONCRETE ENDWALLS



PLAN VIEW

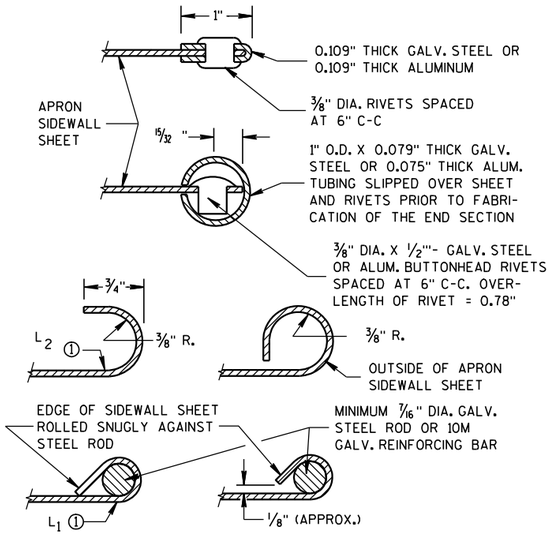


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

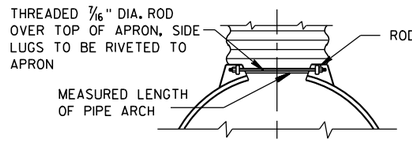
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

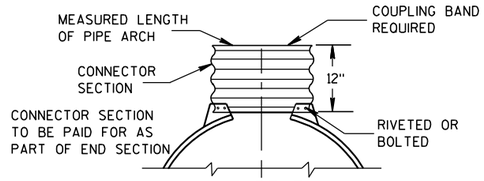
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



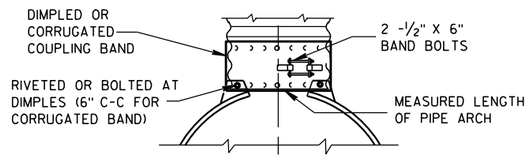
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

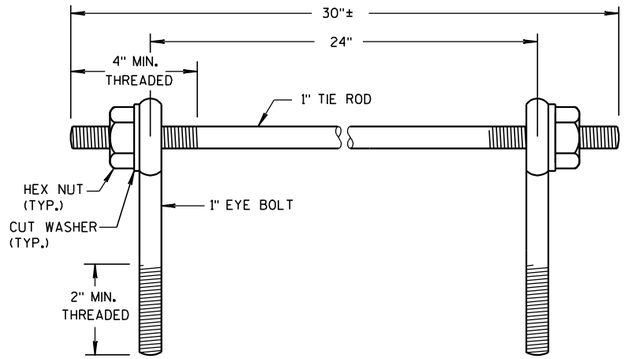
FHWA

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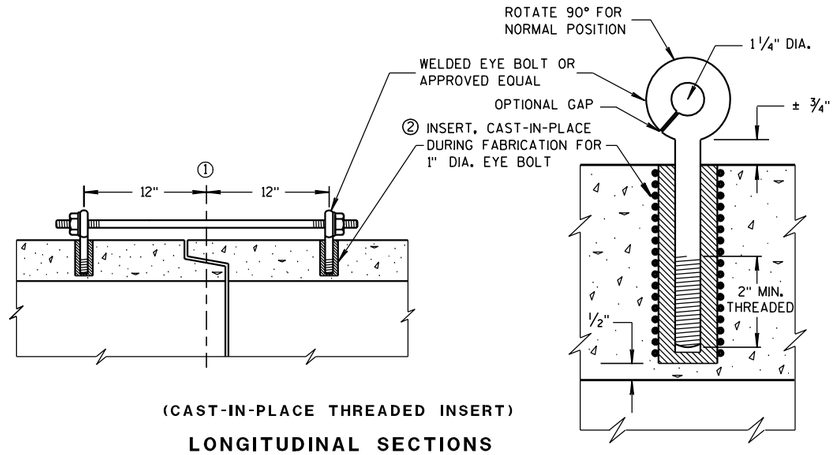
S.D.D. 8 F 2-1

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S.D.D. 8 F 2-1



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.

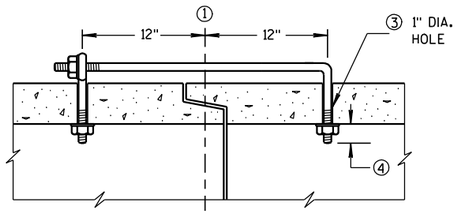
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

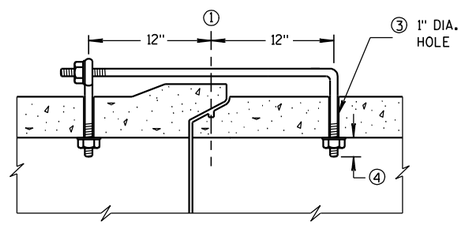
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

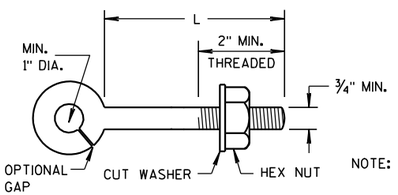


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

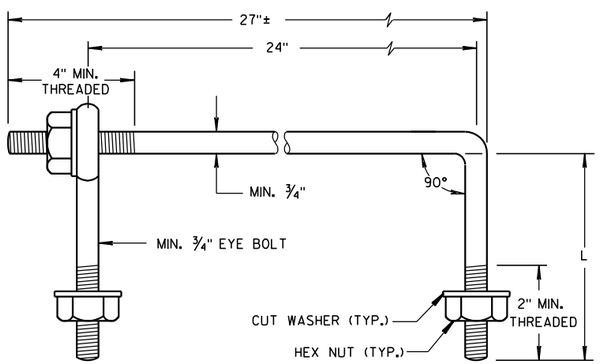
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

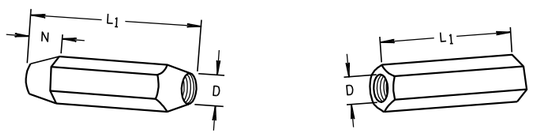
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

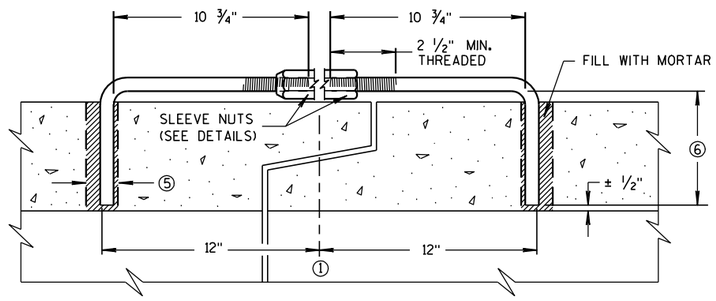
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

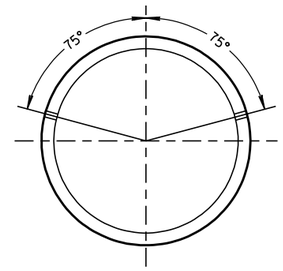
SLEEVE NUTS



LONGITUDINAL SECTION

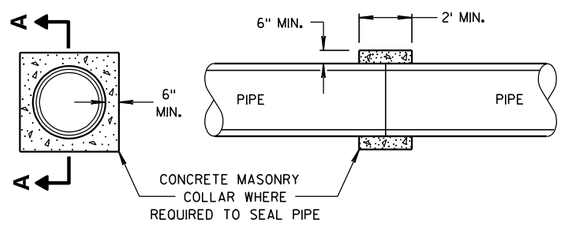
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

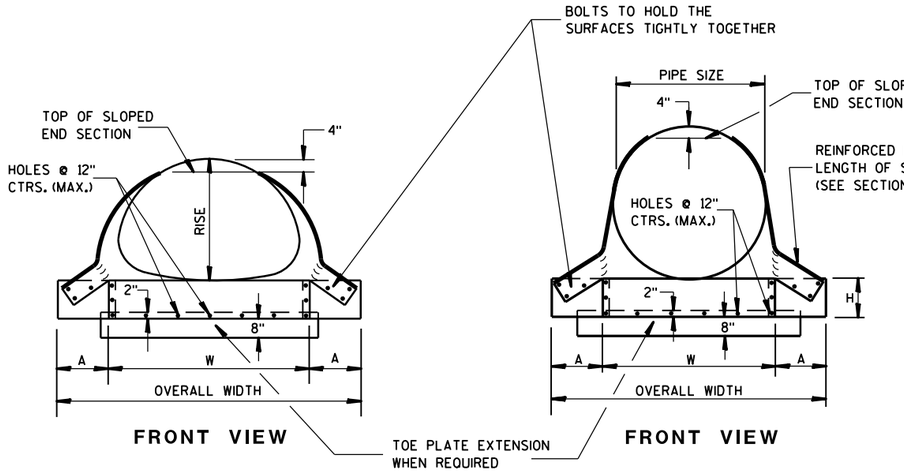
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
158
FHWA

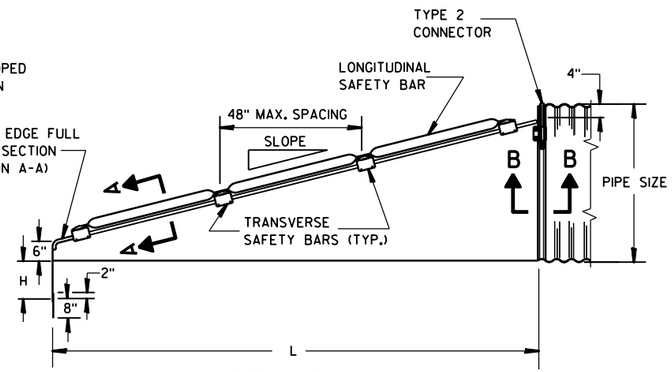
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S.D.D. 8 F 4-7



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

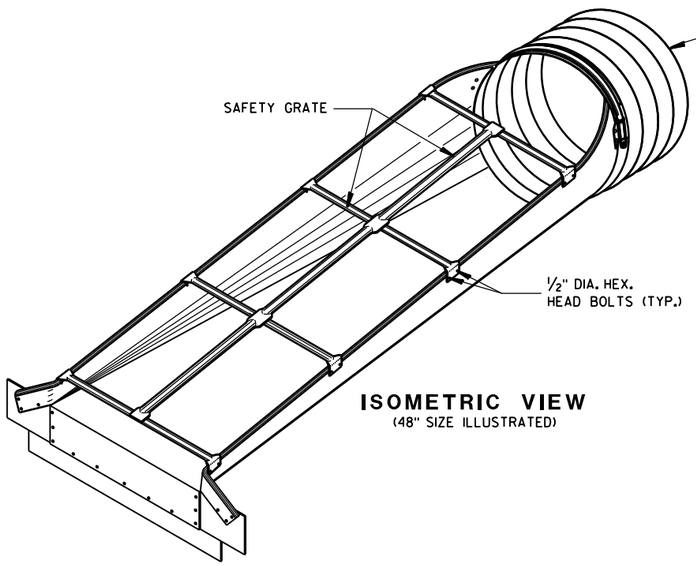
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

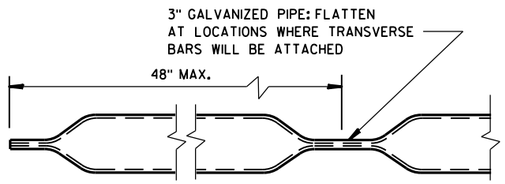
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

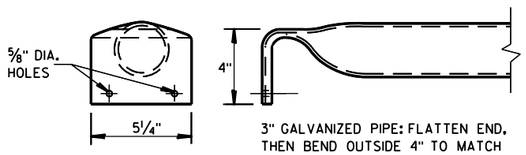
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



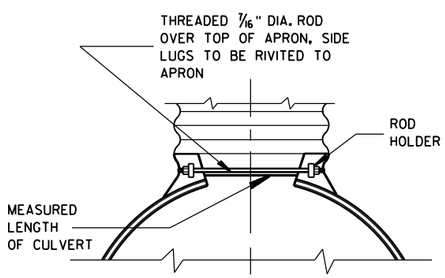
LONGITUDINAL SAFETY BAR



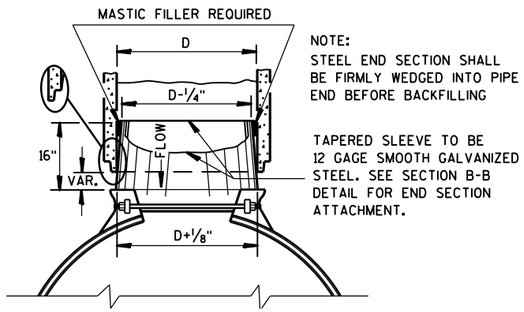
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

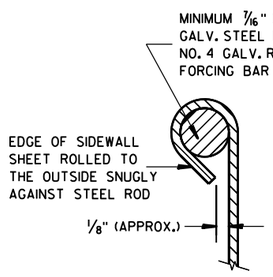
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



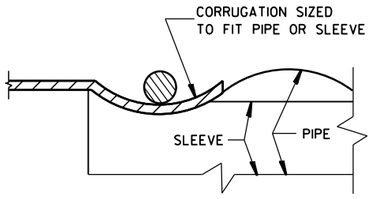
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

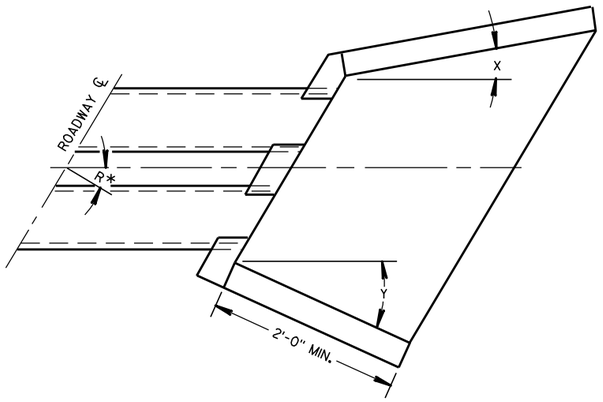
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 F 8-2



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

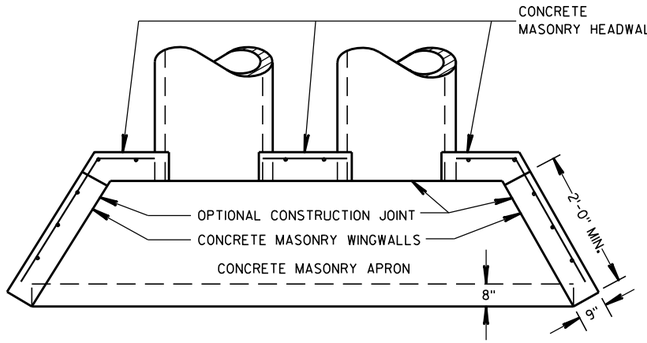
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

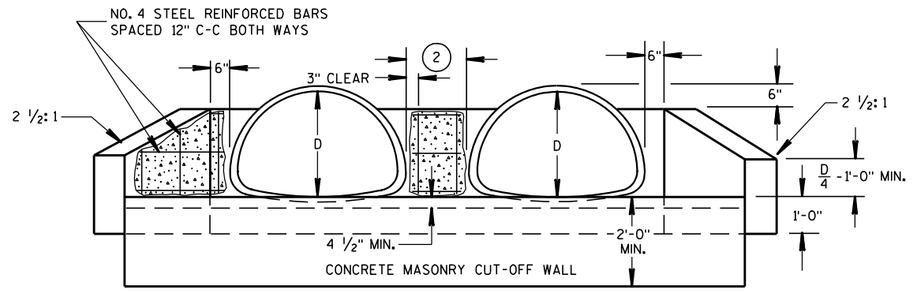
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



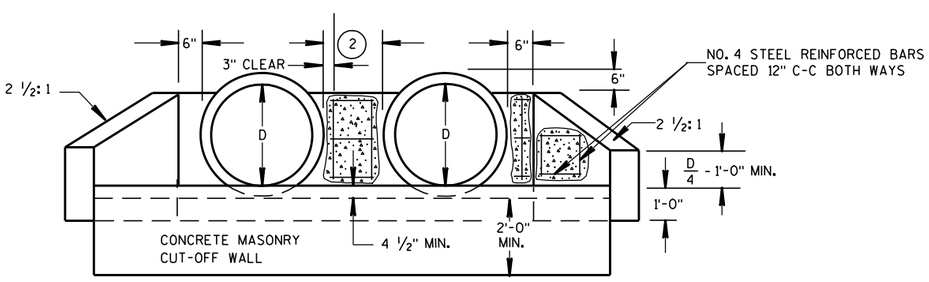
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



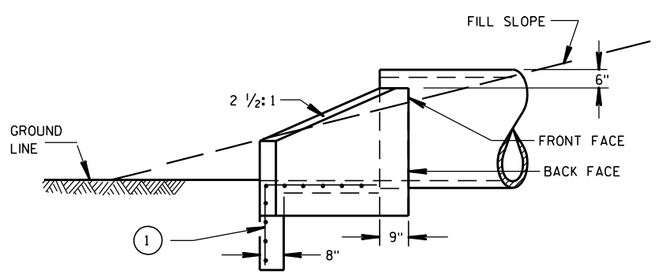
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

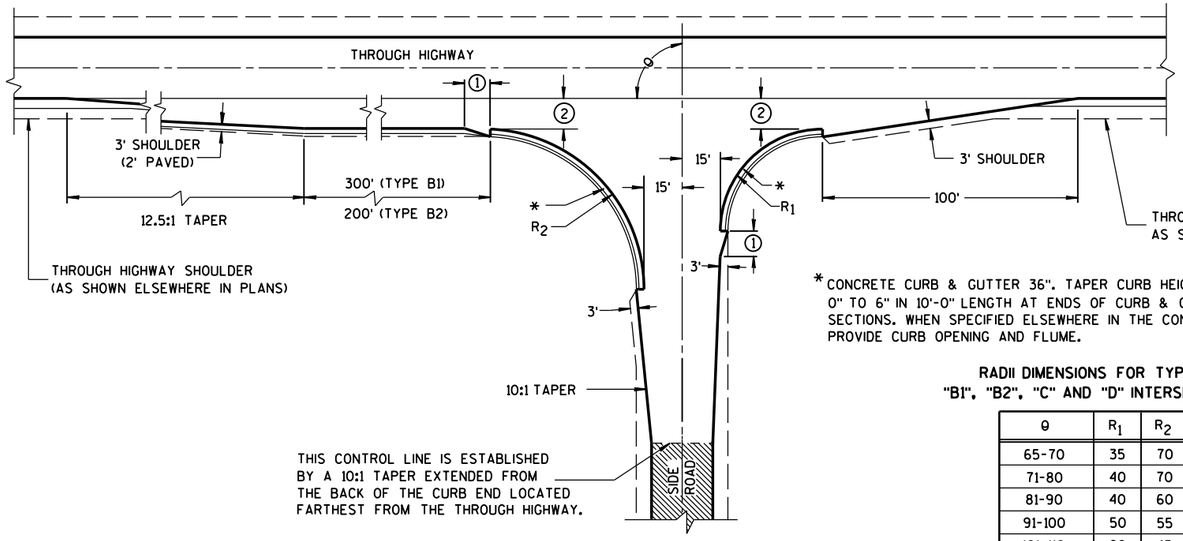
CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 10-1

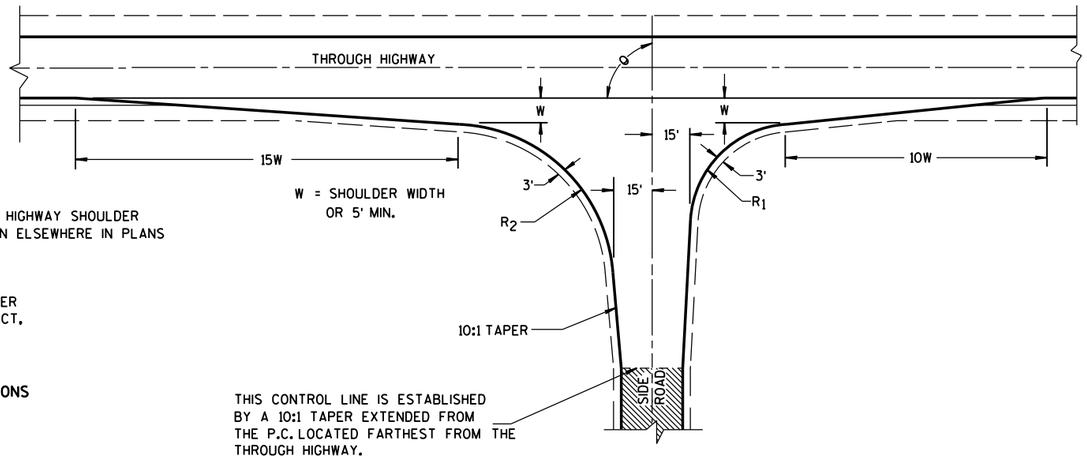


TYPE "B1" AND "B2"

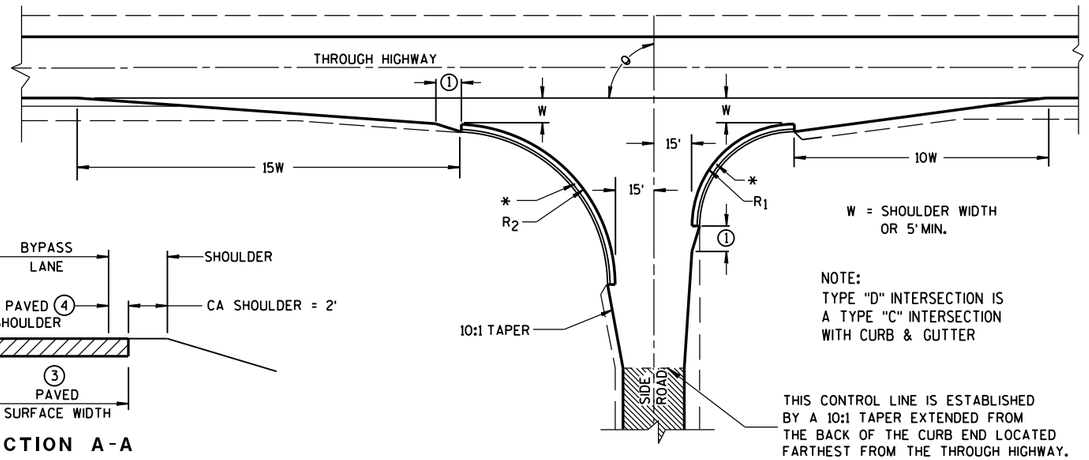
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

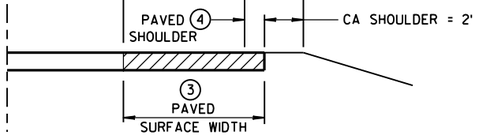
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

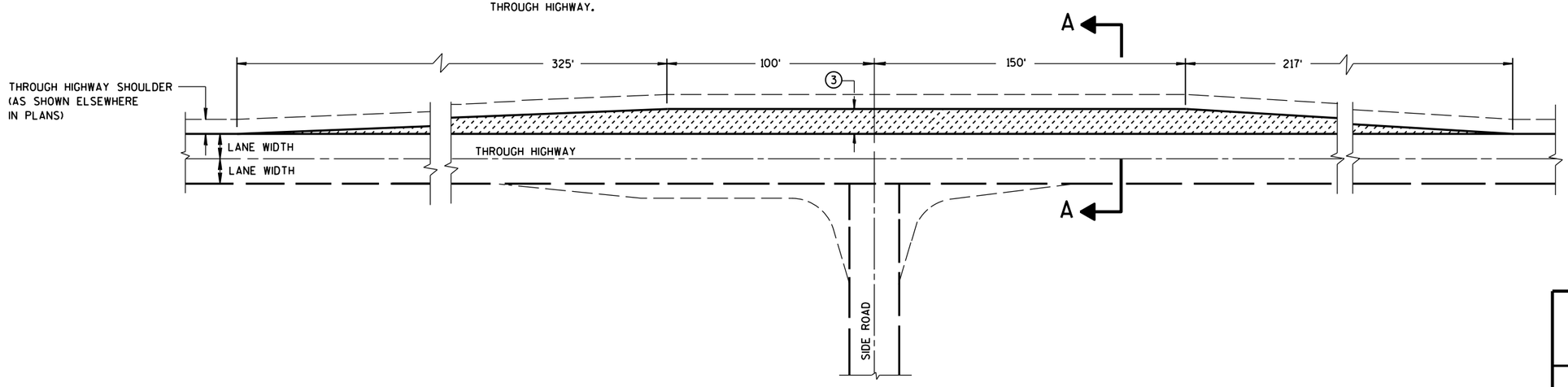
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



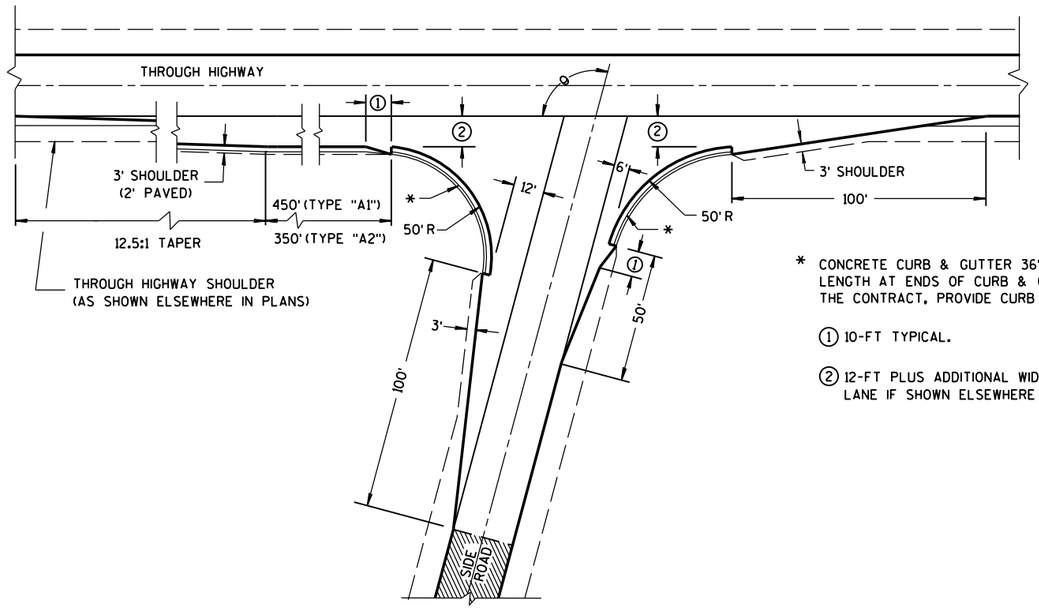
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 9 A 1-13a



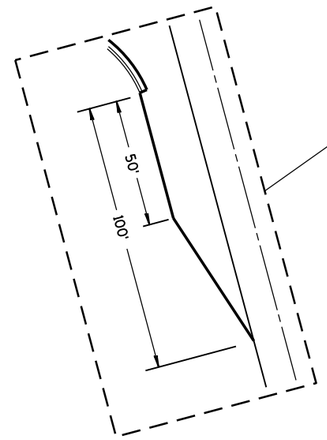
θ = MORE THAN 80°

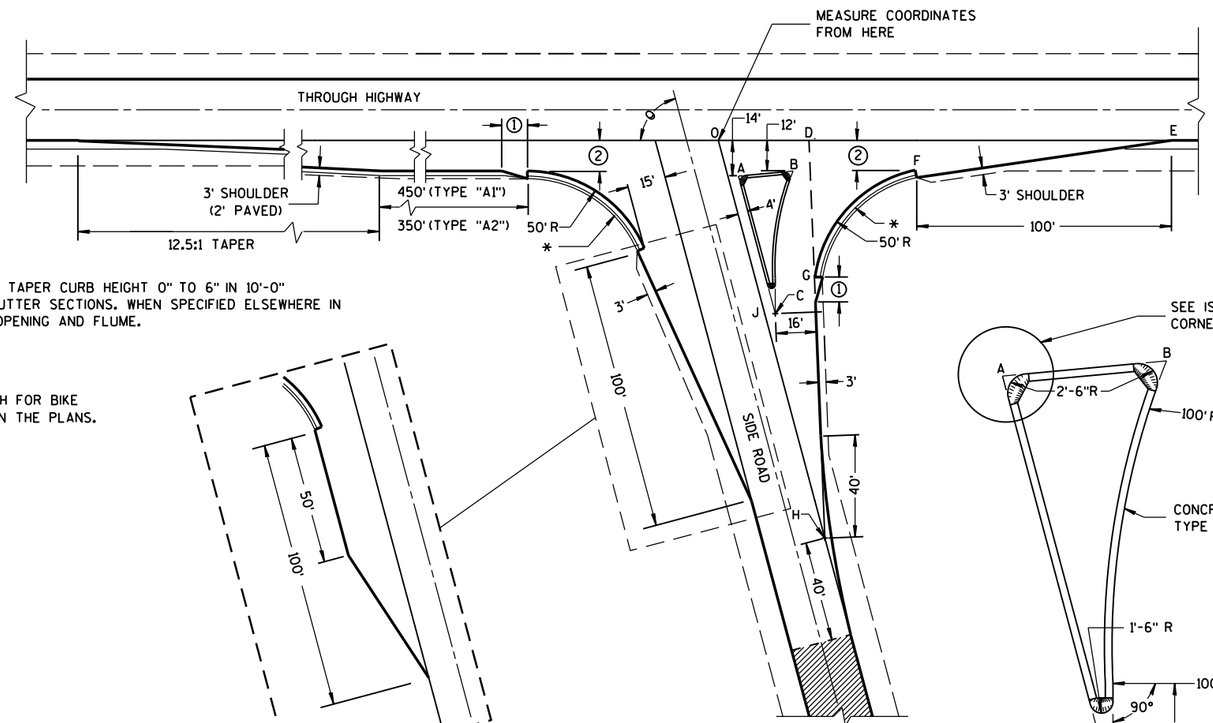
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

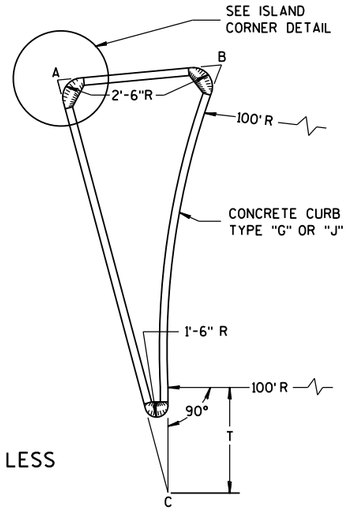
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE





θ = ACUTE ANGLES 80° OR LESS

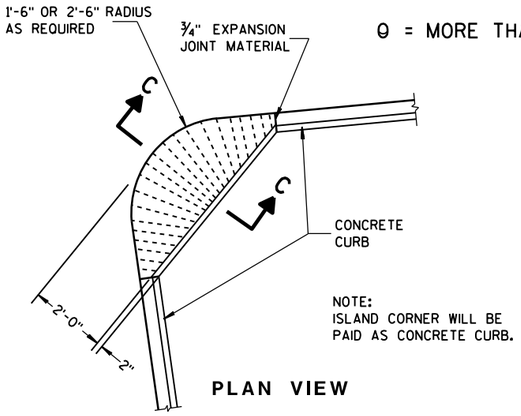


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE
THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

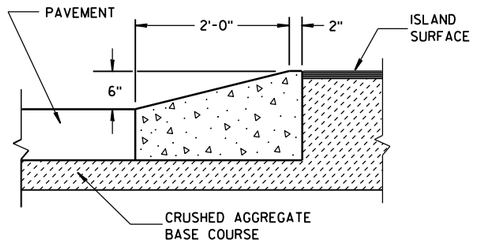
ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS



NOTE:
ISLAND CORNER WILL BE
PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

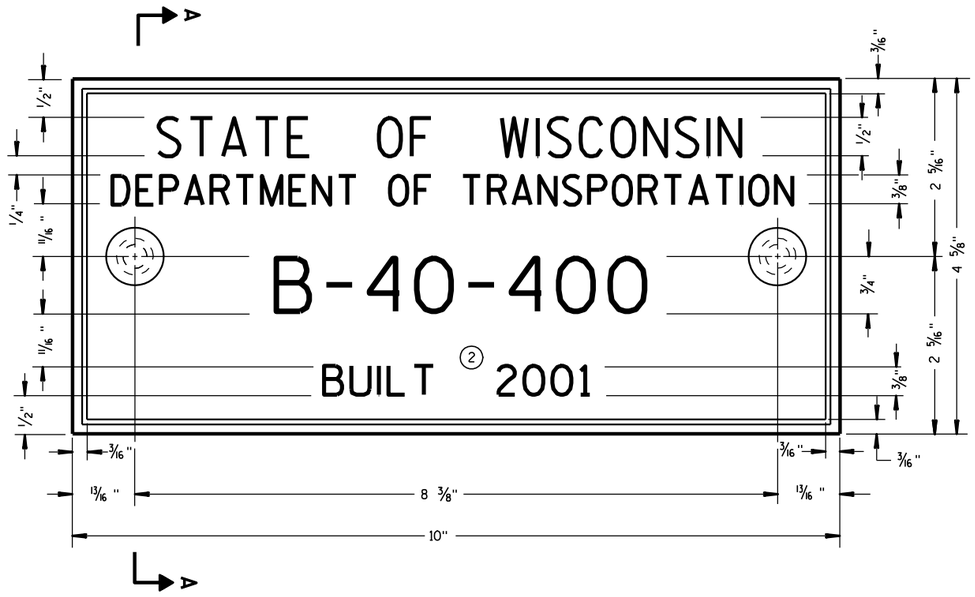
(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

AT-GRADE SIDE ROAD
INTERSECTION, TYPE "A1" & "A2"

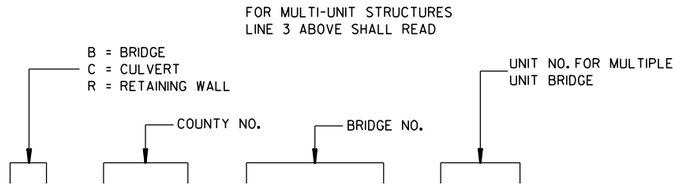
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 9 A 1-13b



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

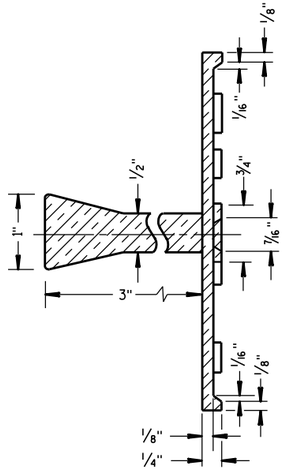
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

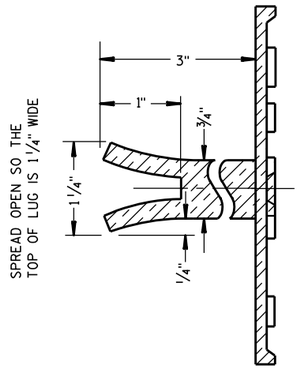
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

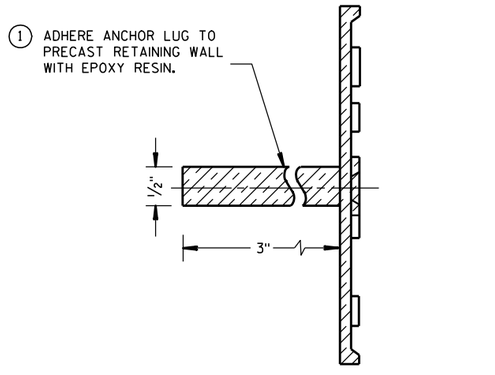
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

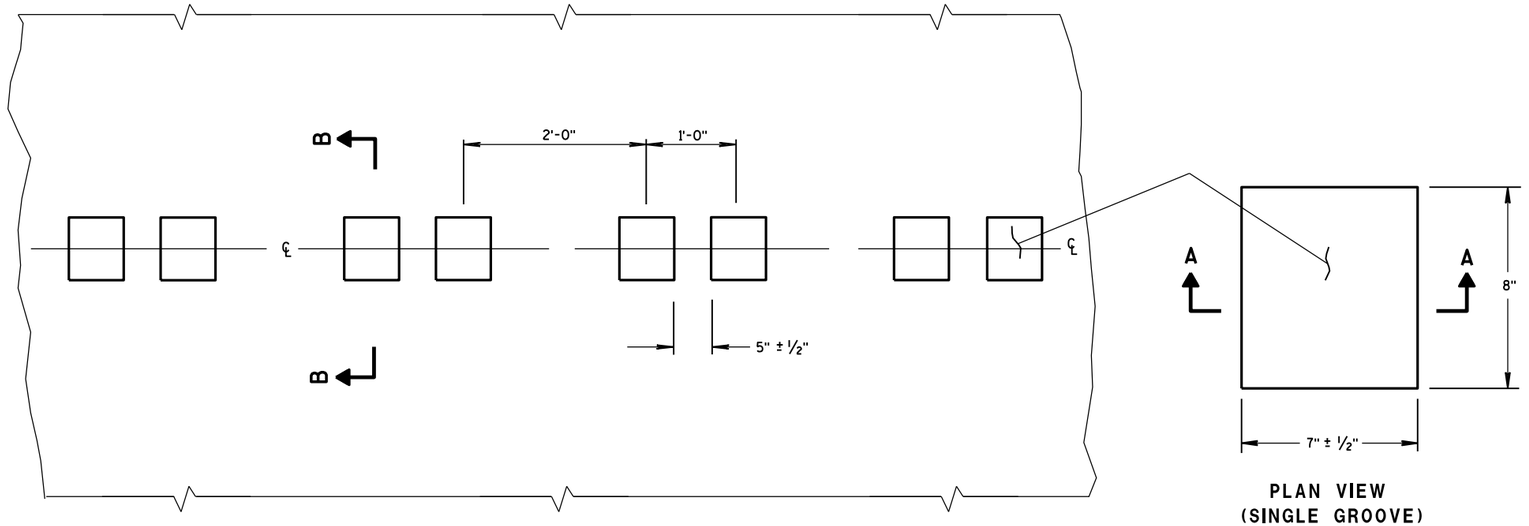
3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOP ENGINEER

FHWA

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S.D.D. 12 A 3-10



PLAN VIEW
CENTER LINE WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

GENERAL NOTES

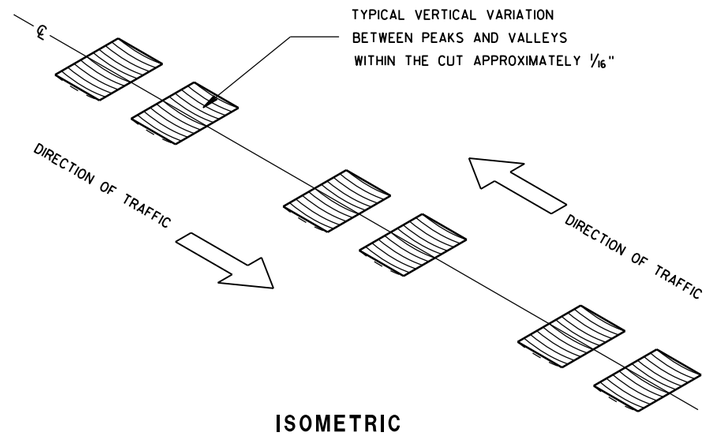
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

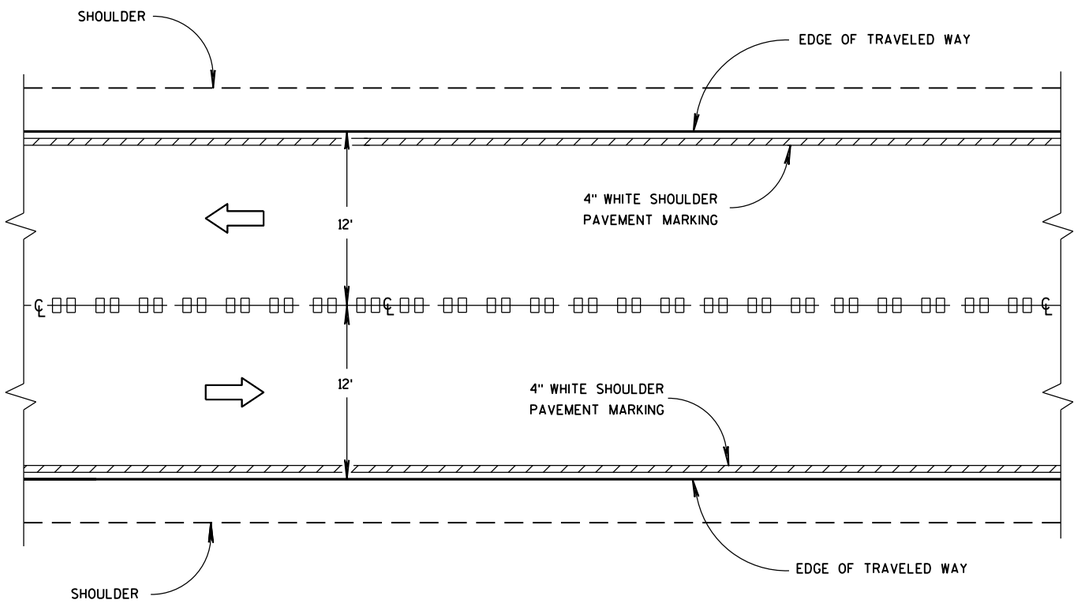
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

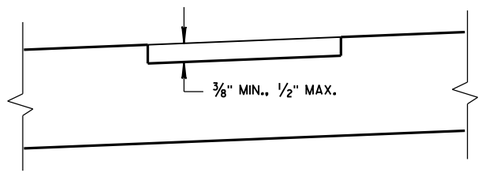
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



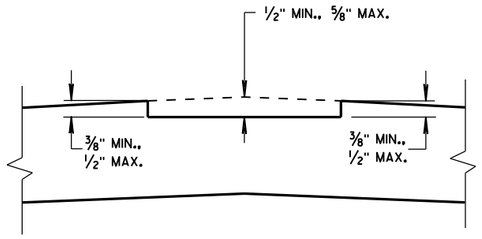
ISOMETRIC



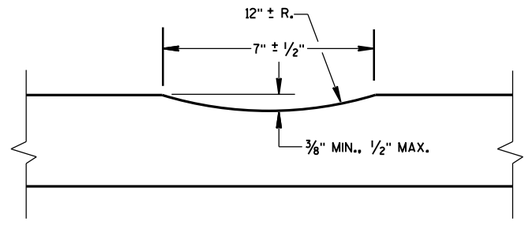
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



SECTION B-B
CROWNED ROADWAY



SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

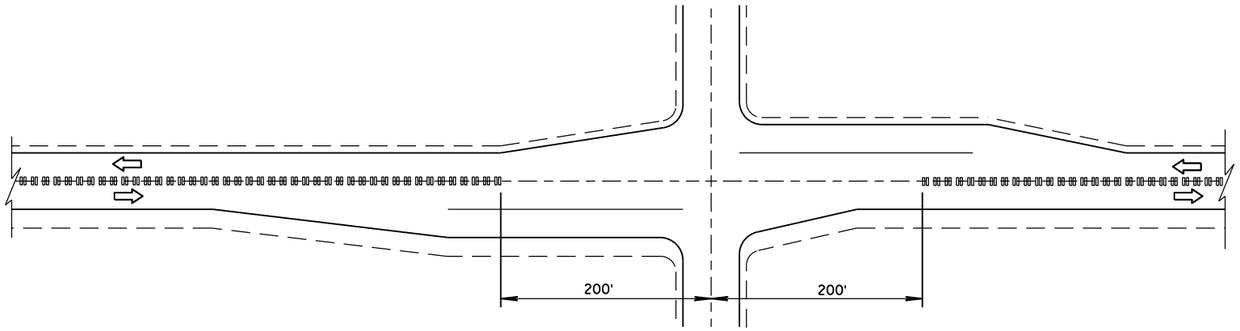
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

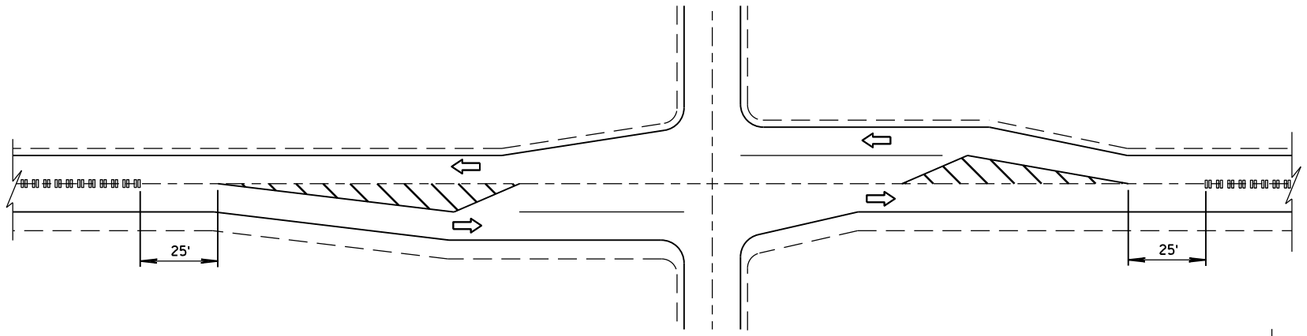
S.D.D. 13 A 11-2a

6

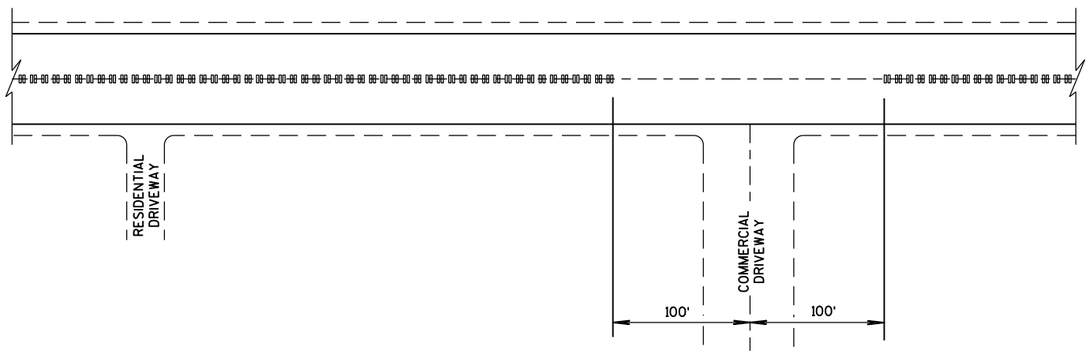
S.D.D. 13 A 11-2a



CENTER LINE GROOVES AT INTERSECTIONS

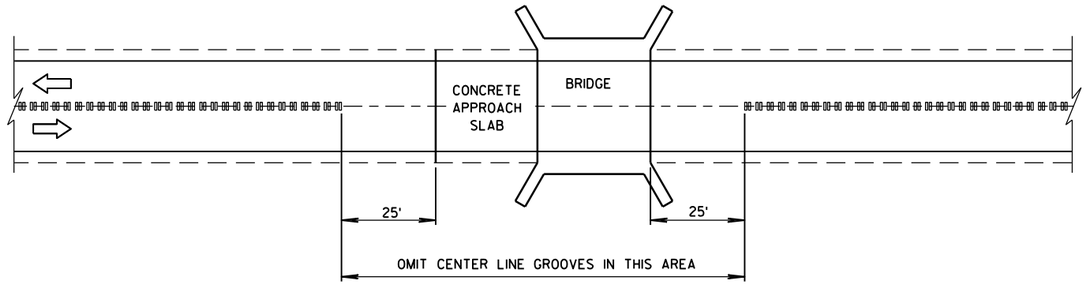


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

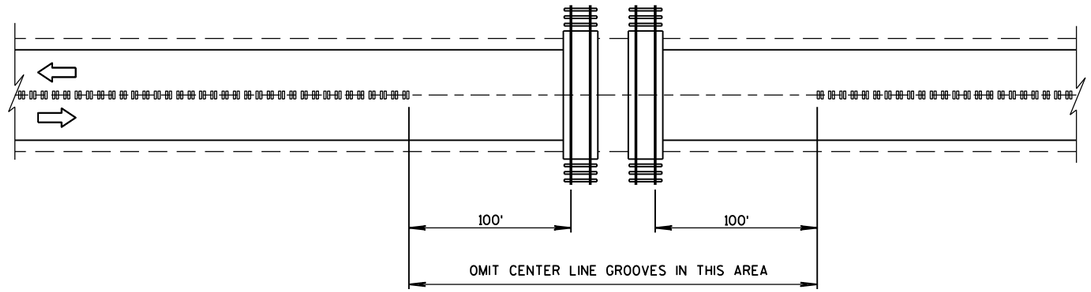


CENTER LINE GROOVES AT DRIVEWAYS (1)

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

6

S.D.D. 13 A 11-2b

6

S.D.D. 13 A 11-2b

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/15/2013 — DATE

/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER

NT

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

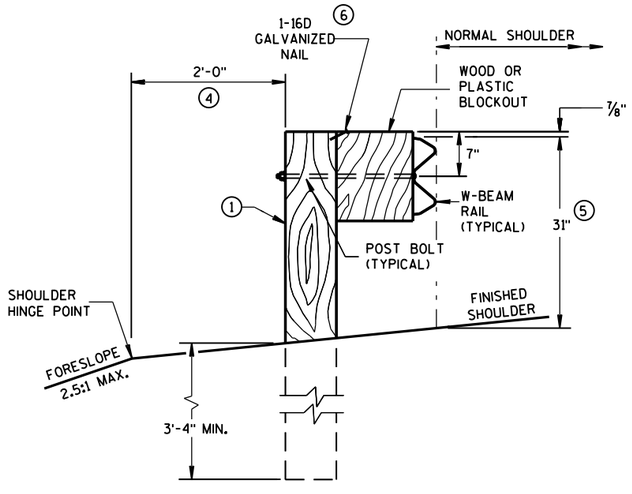
(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

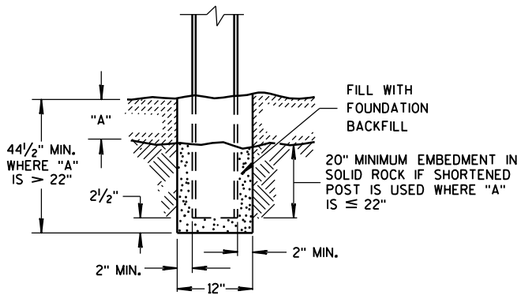
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



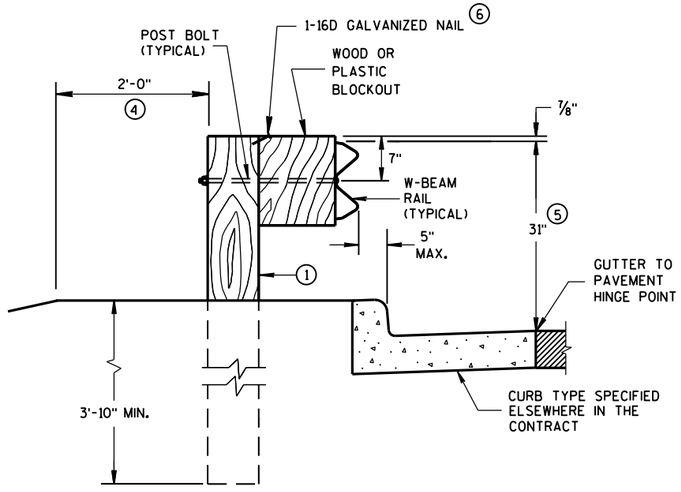
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



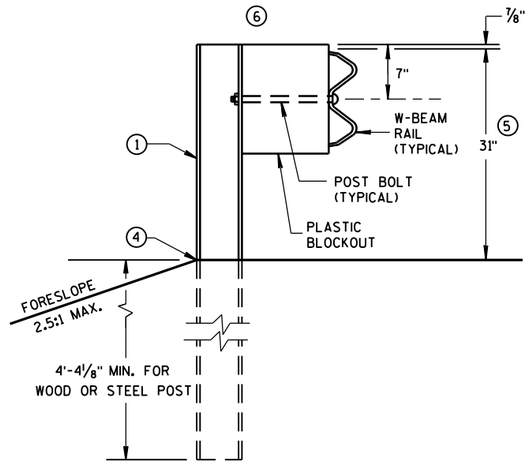
END VIEW

SETTING STEEL OR WOOD POST IN ROCK (3)



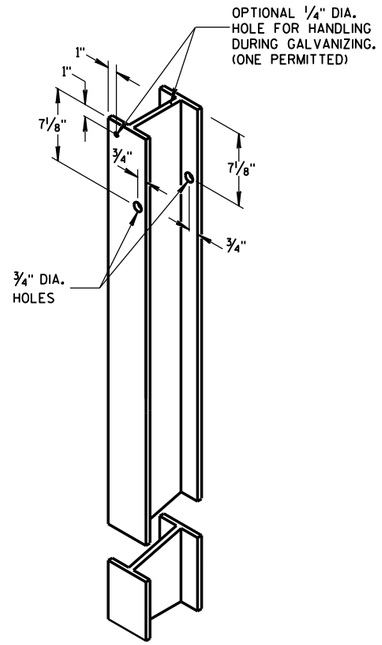
END VIEW

LOCATED ALONG A CURBED ROADWAY

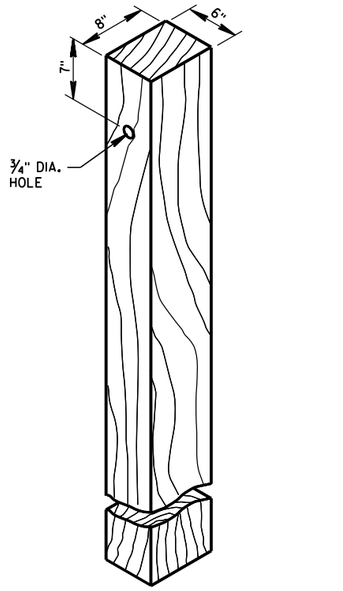


END VIEW

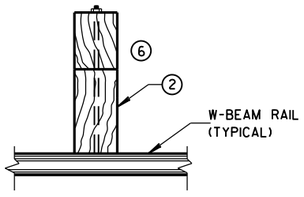
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



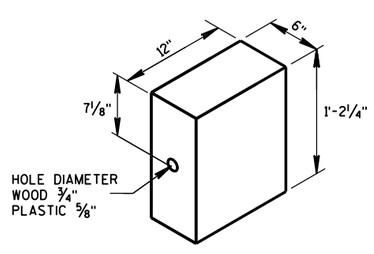
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) (1)



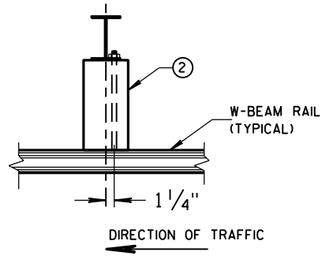
WOOD POST
(6" X 8") NOMINAL (1)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT (2)



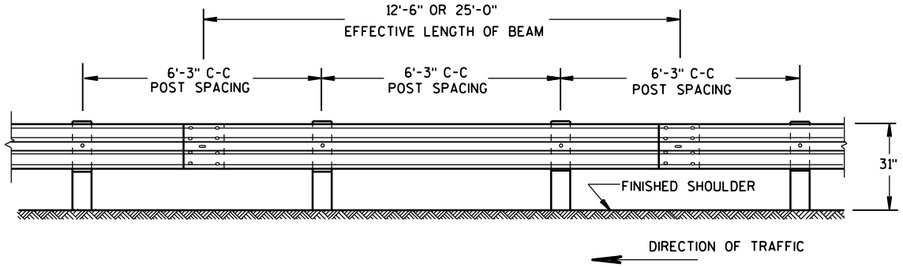
PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

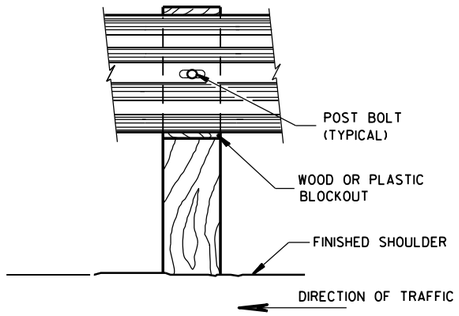
6

S.D.D. 14 B 42-5a



FRONT VIEW

POST SPACING STANDARD INSTALLATION



FRONT VIEW AT WOOD POST

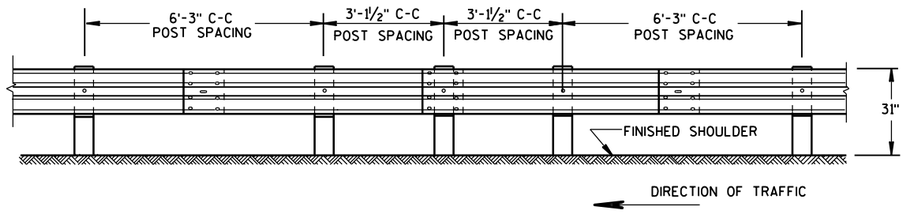
GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

(11) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

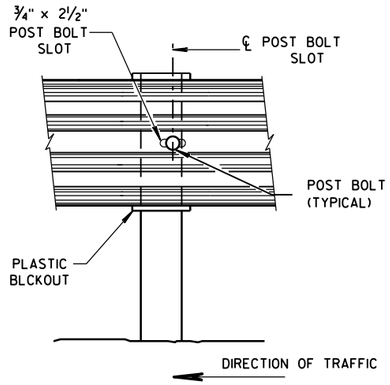
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

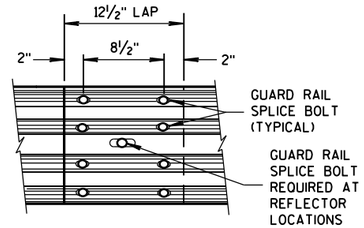


FRONT VIEW

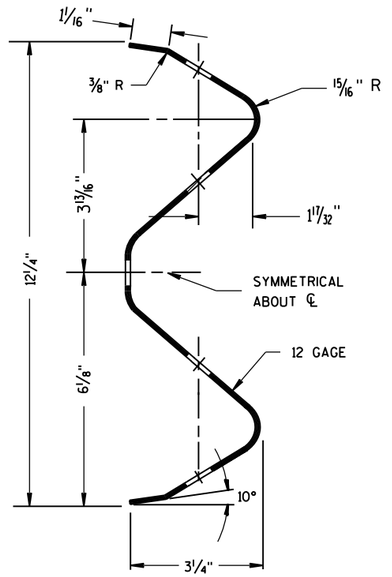
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



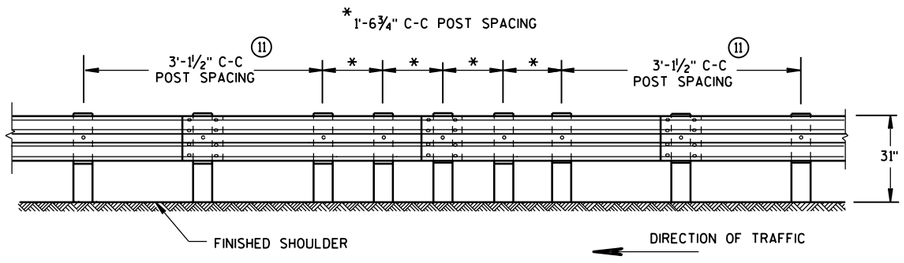
FRONT VIEW AT STEEL POST



FRONT VIEW
MID-SPAN BEAM SPLICE

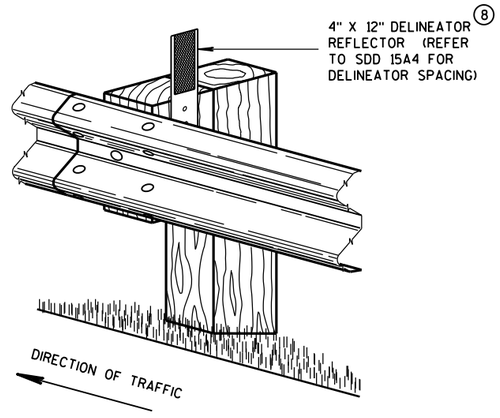


SECTION THRU W-BEAM RAIL



FRONT VIEW

QUARTER POST SPACING (QS)



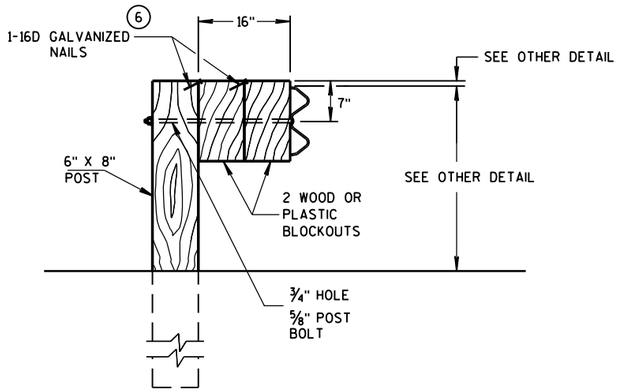
ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

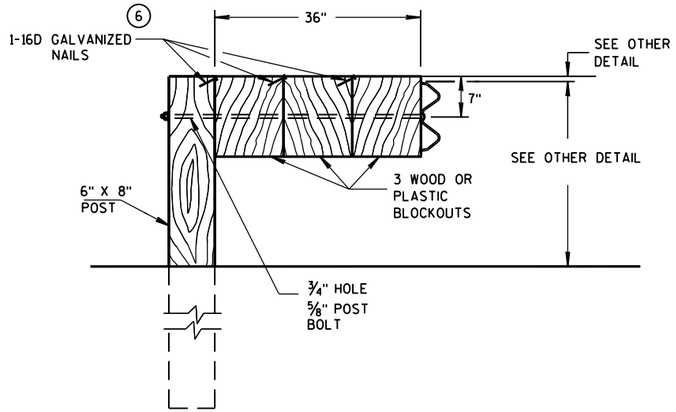
6

S.D.D. 14 B 42-5b



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

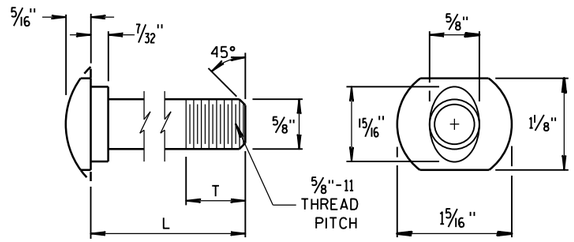


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

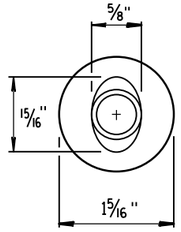
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

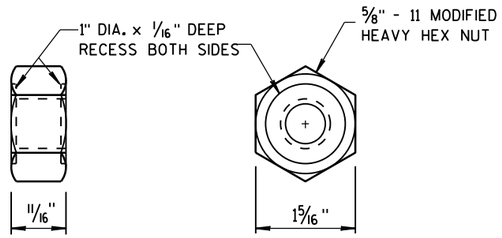


POST BOLT TABLE

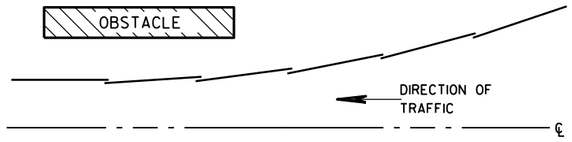
L	T (MIN.)
1¼"	1⅛"
2"	1¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

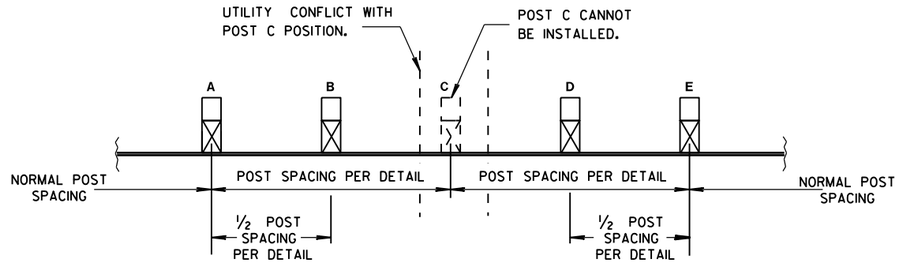


POST BOLT, SPLICE BOLT AND RECESS NUT

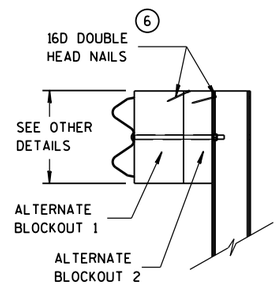


PLAN VIEW

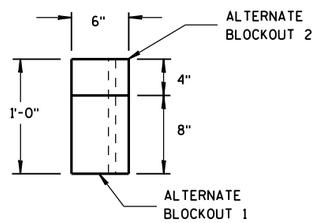
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

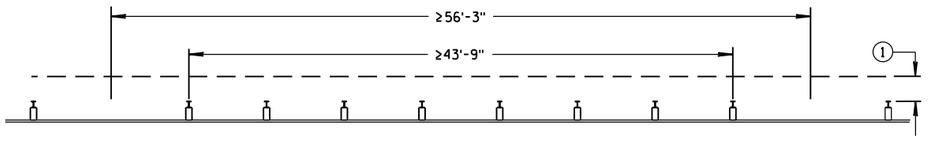
ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

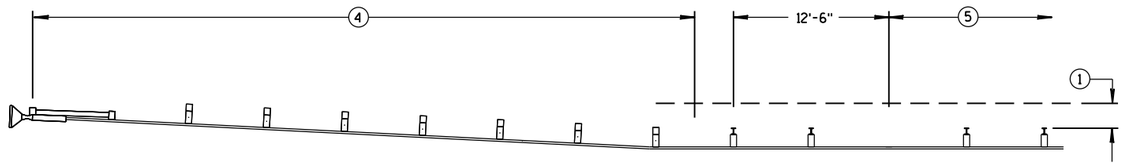
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

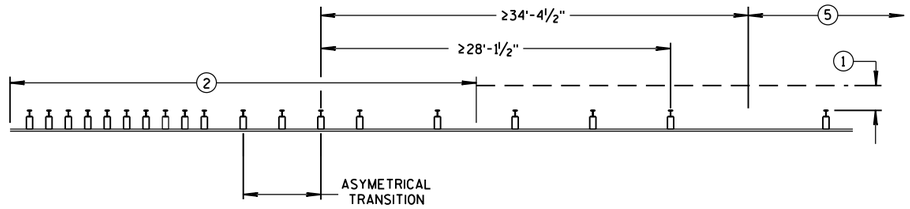
S.D.D. 14 B 42-5c



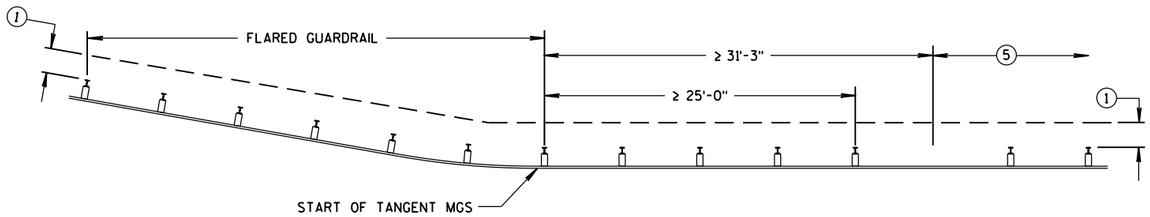
MISSING POST IN NORMAL BEAM GUARD RUN



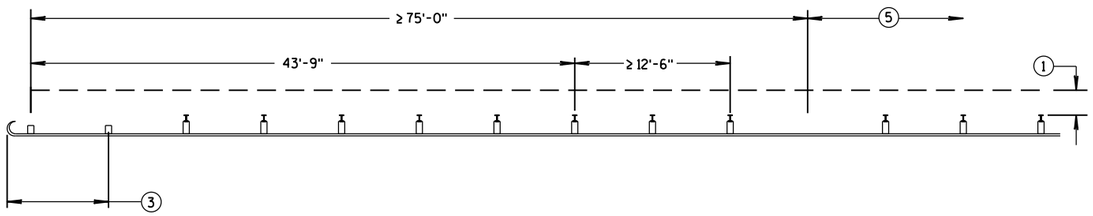
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



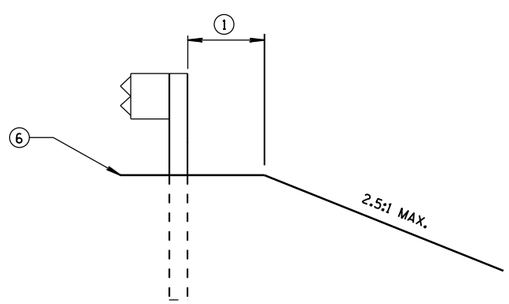
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN
NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN
NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

(1) MINIMUM OF 2 FEET OF GRADING BEHIND POST.

(2) SEE SDD 14B45 FOR MORE DETAILS.

(3) SEE SDD 14B47 FOR MORE DETAILS.

(4) SEE SDD 14B44 FOR MORE DETAILS.

(5) SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.

(6) SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

6

S.D.D. 14 B 42-5d

6

S.D.D. 14 B 42-5d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

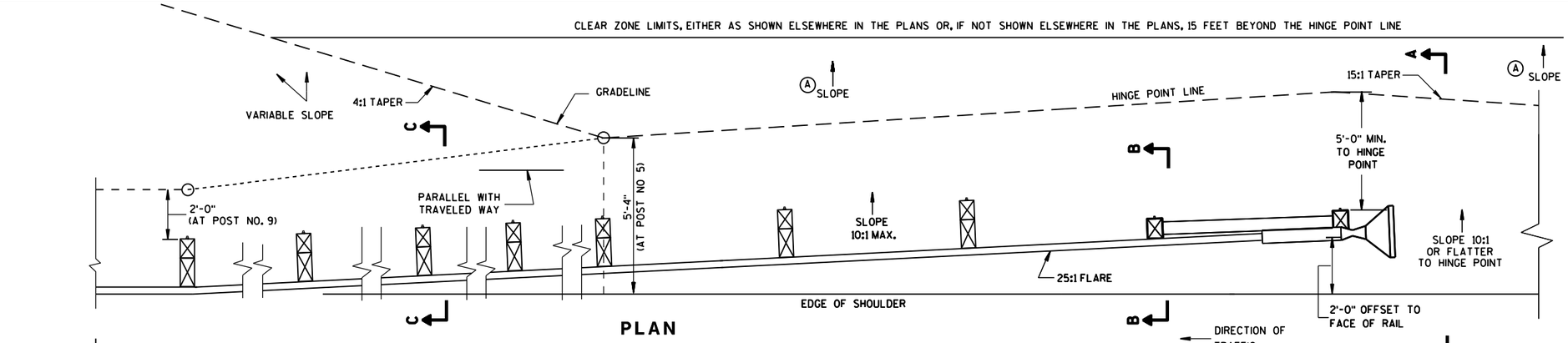
SEE SDD 14B42 FOR MORE INFORMATION.

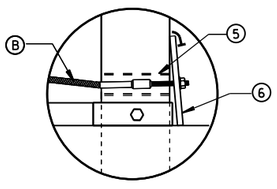
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

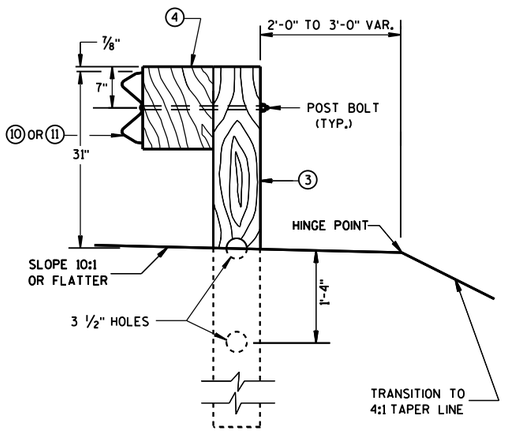
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

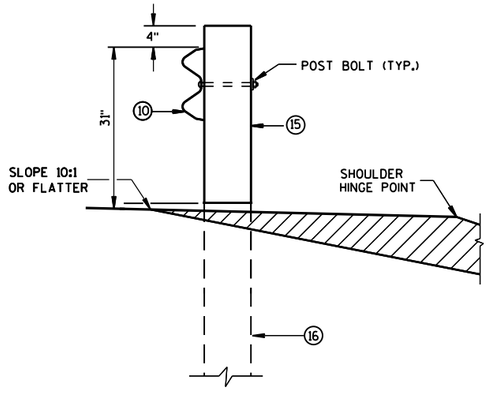
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

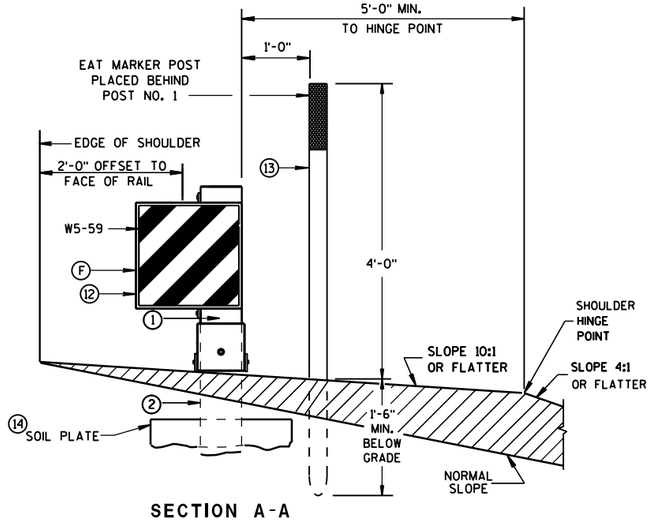
THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.

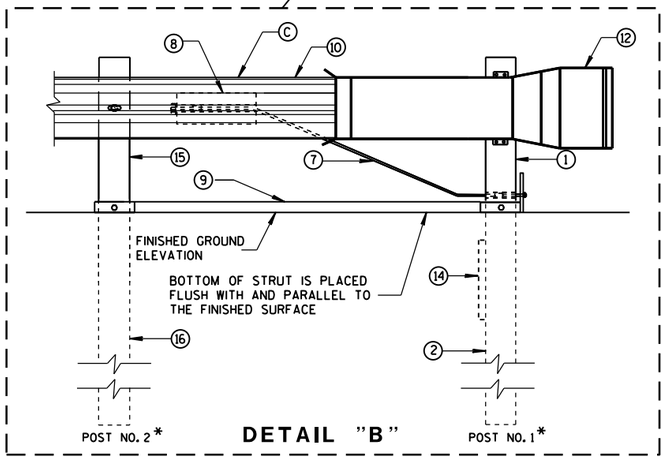












MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

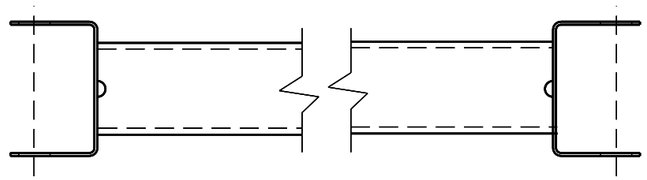
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 14 B 44-3a

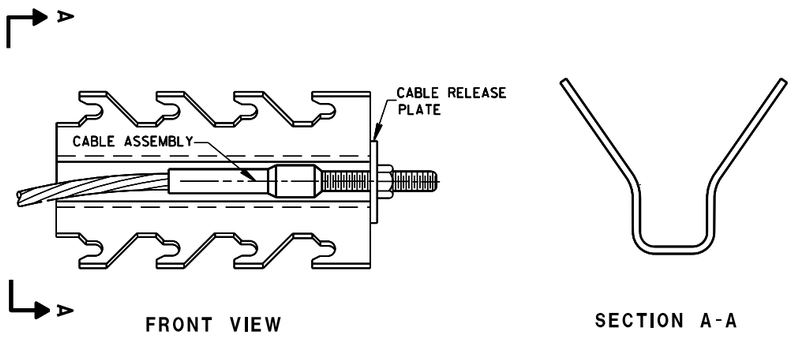
6

S.D.D. 14 B 44-3a



(9) (H)

GENERIC GROUND STRUT



FRONT VIEW

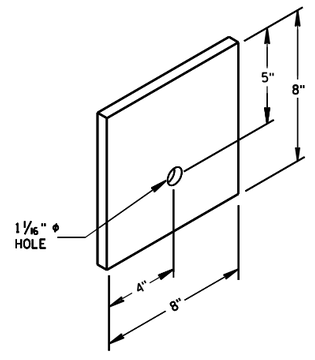
SECTION A-A

(8) (H)

GENERIC ANCHOR CABLE BOX

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
(1)	UPPER POST NO. 1 6" X 6" TUBE
(2)	LOWER POST NO. 1
(3)	WOOD CRT
(4)	WOOD BLOCKOUT
(5)	PIPE SLEEVE
(6)	BEARING PLATE
(7)	BCT CABLE ASSEMBLY
(8)	ANCHOR CABLE BOX
(9)	GROUND STRUT
(10)	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(12)	IMPACT HEAD
(13)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
(14)	SOIL PLATE
(15)	UPPER POST NO. 2
(16)	LOWER POST NO. 2



(6)

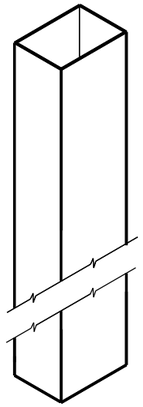
BEARING PLATE

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

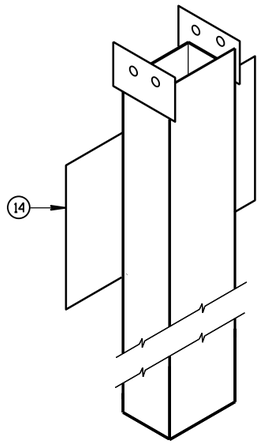
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

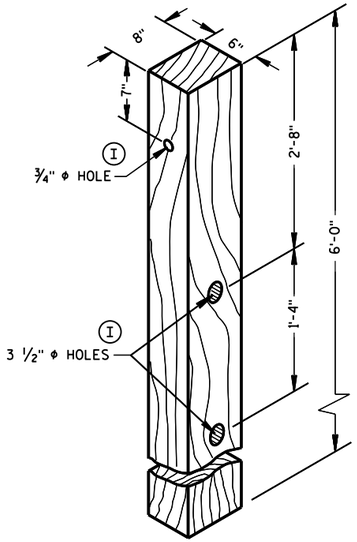
S.D.D. 14 B 44-3b



UPPER POST NO. 1 (1)

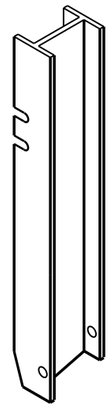


LOWER POST NO. 1 (2)

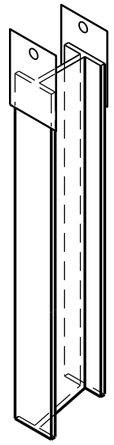


POSTS NUMBER 3-9

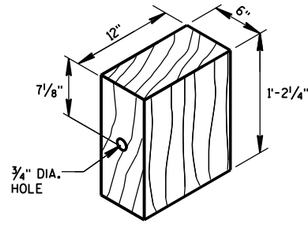
WOOD CRT POST (3)



UPPER POST NO. 2 (15)

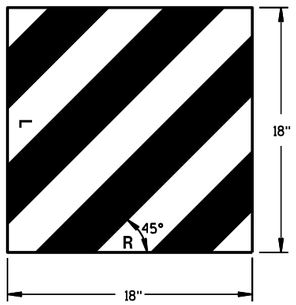


LOWER POST NO. 2 (16)



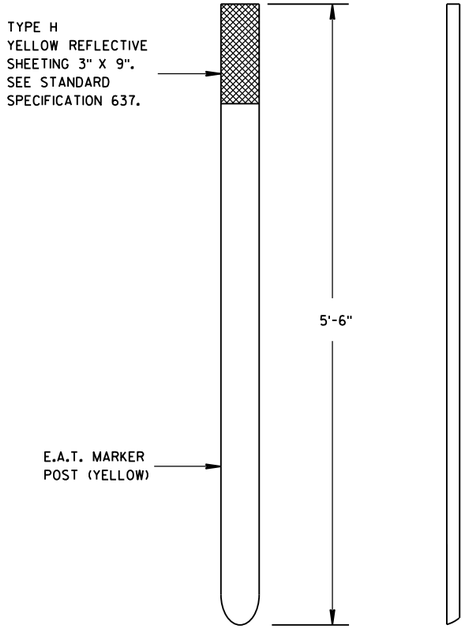
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



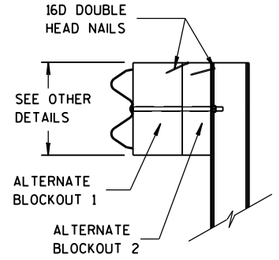
W5-59

REFLECTIVE SHEETING DETAIL (H)

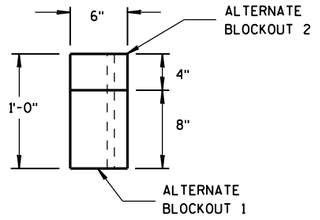


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

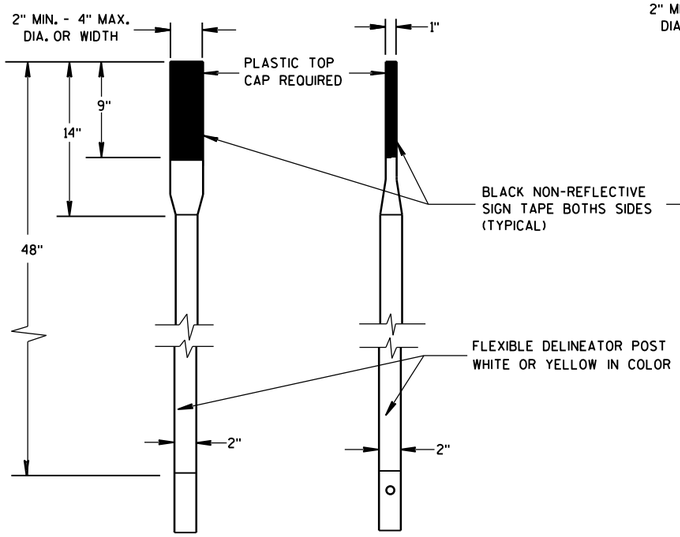
June 2017
DATE

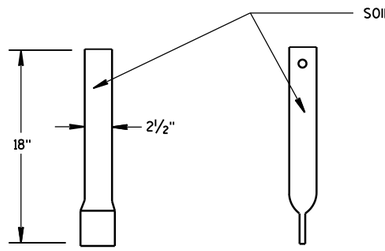
/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERVISOR

FHWA

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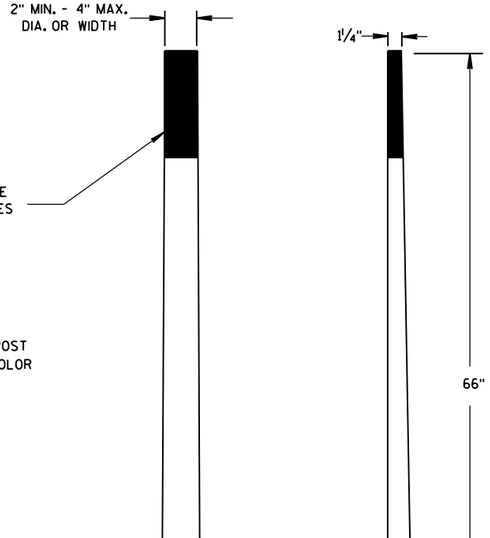
S.D.D. 14 B 44-3c





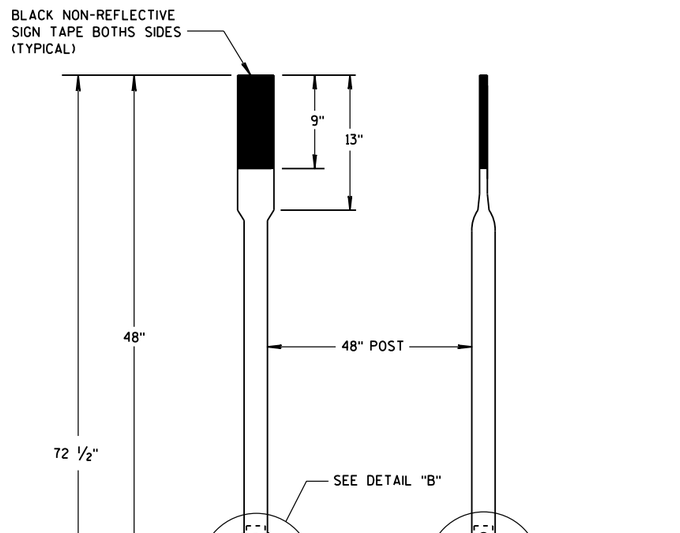
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

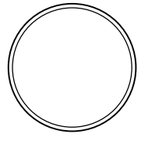
ALTERNATE 2



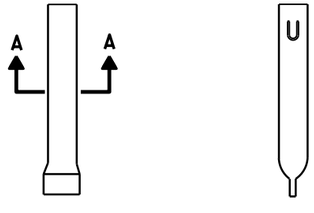
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

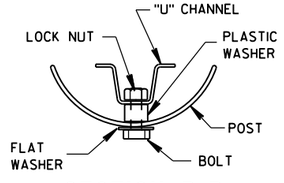


SECTION A-A

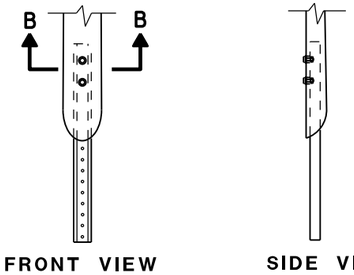


FRONT VIEW SIDE VIEW

ALTERNATE 1

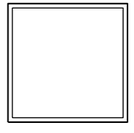


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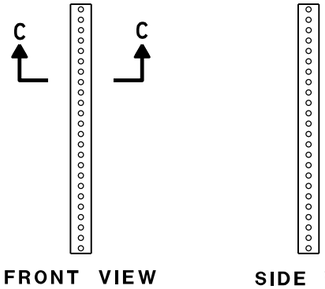


FRONT VIEW SIDE VIEW

ALTERNATE 2



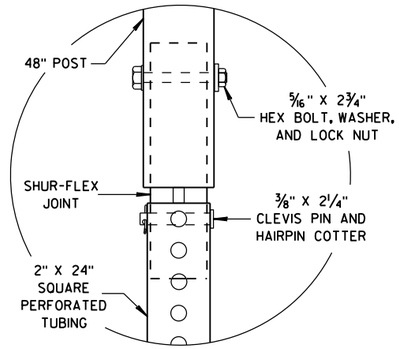
SECTION C-C



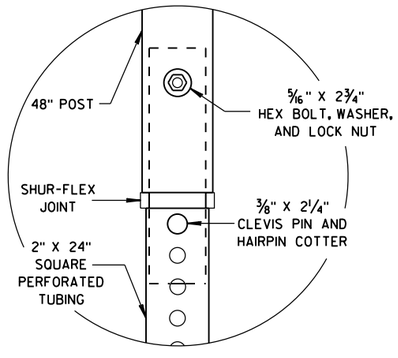
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

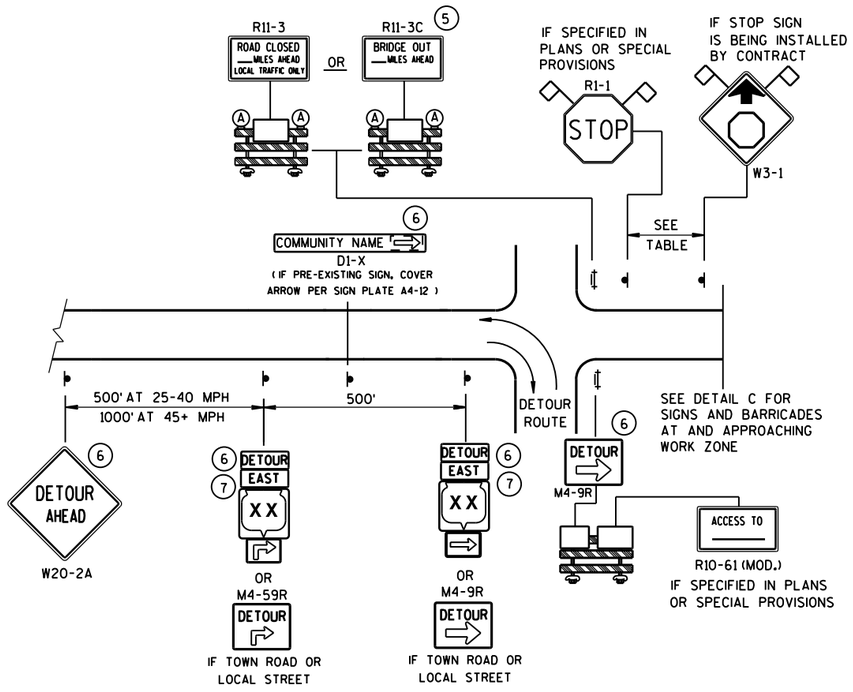
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

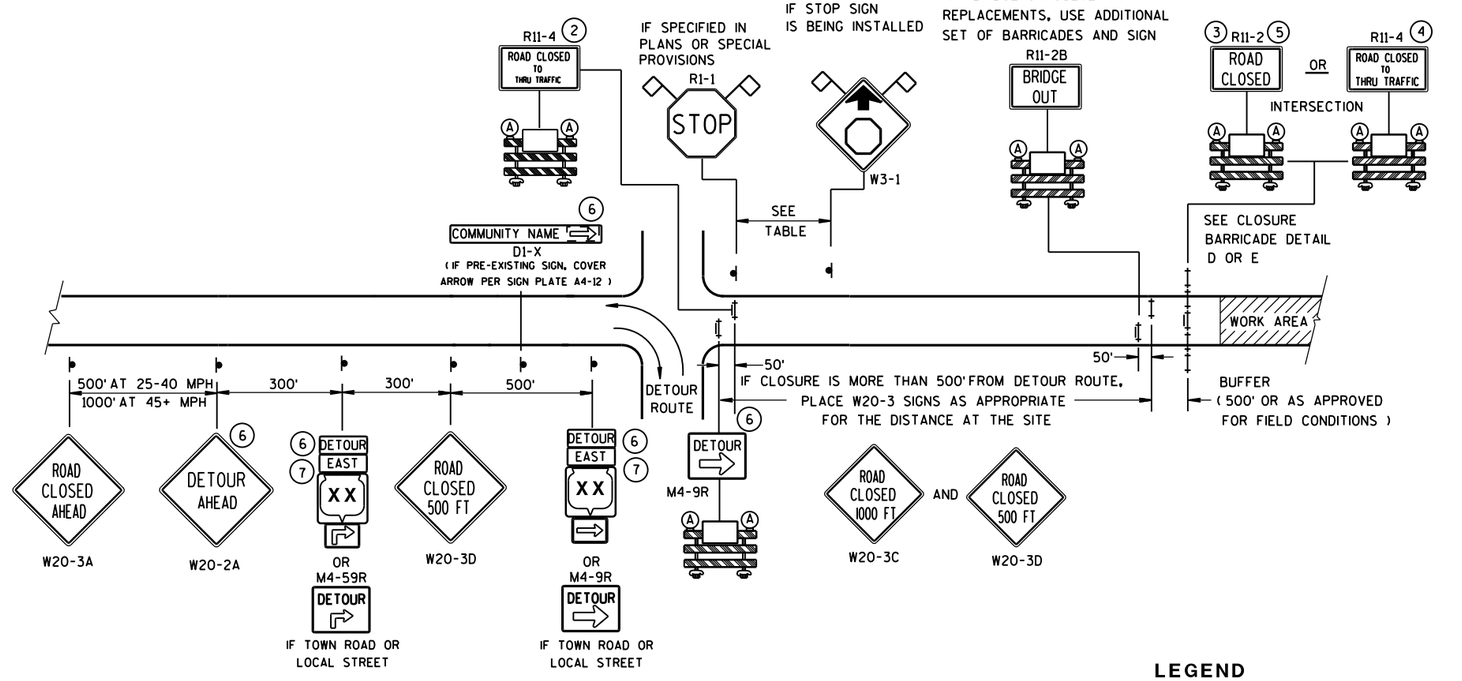
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S.D.D. 15 A 3-2b



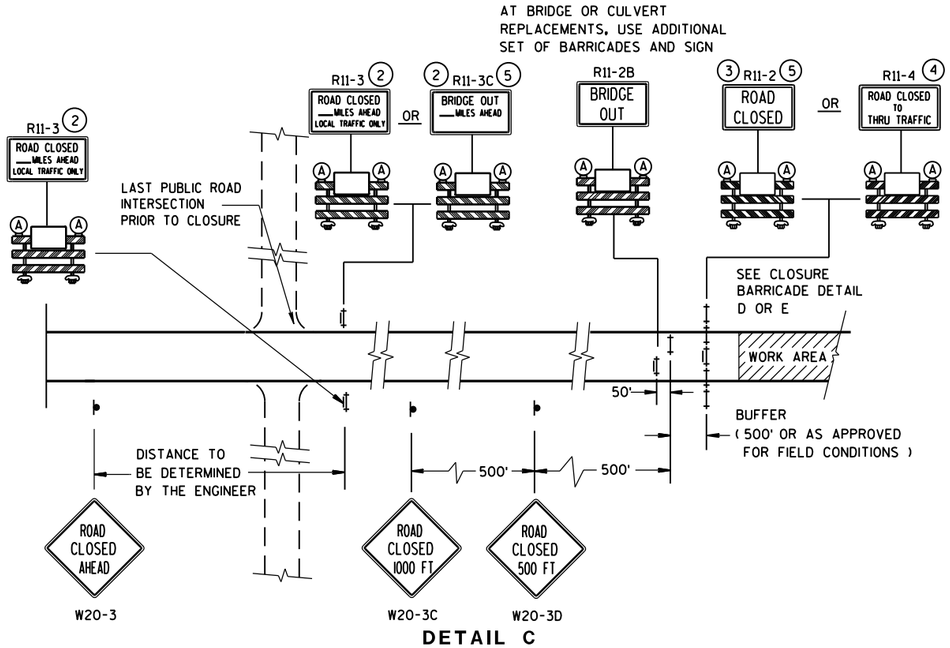
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

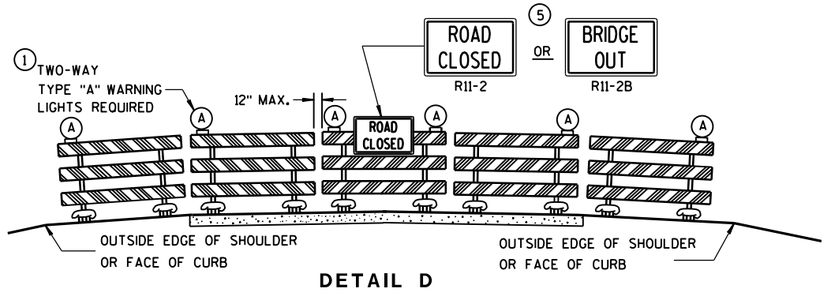
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

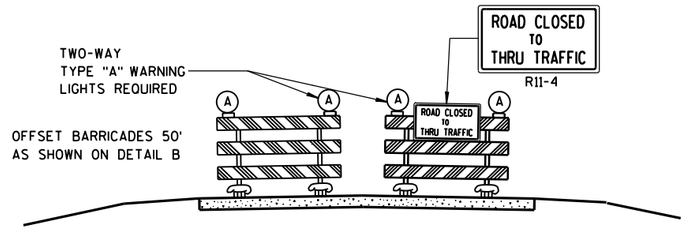
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DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

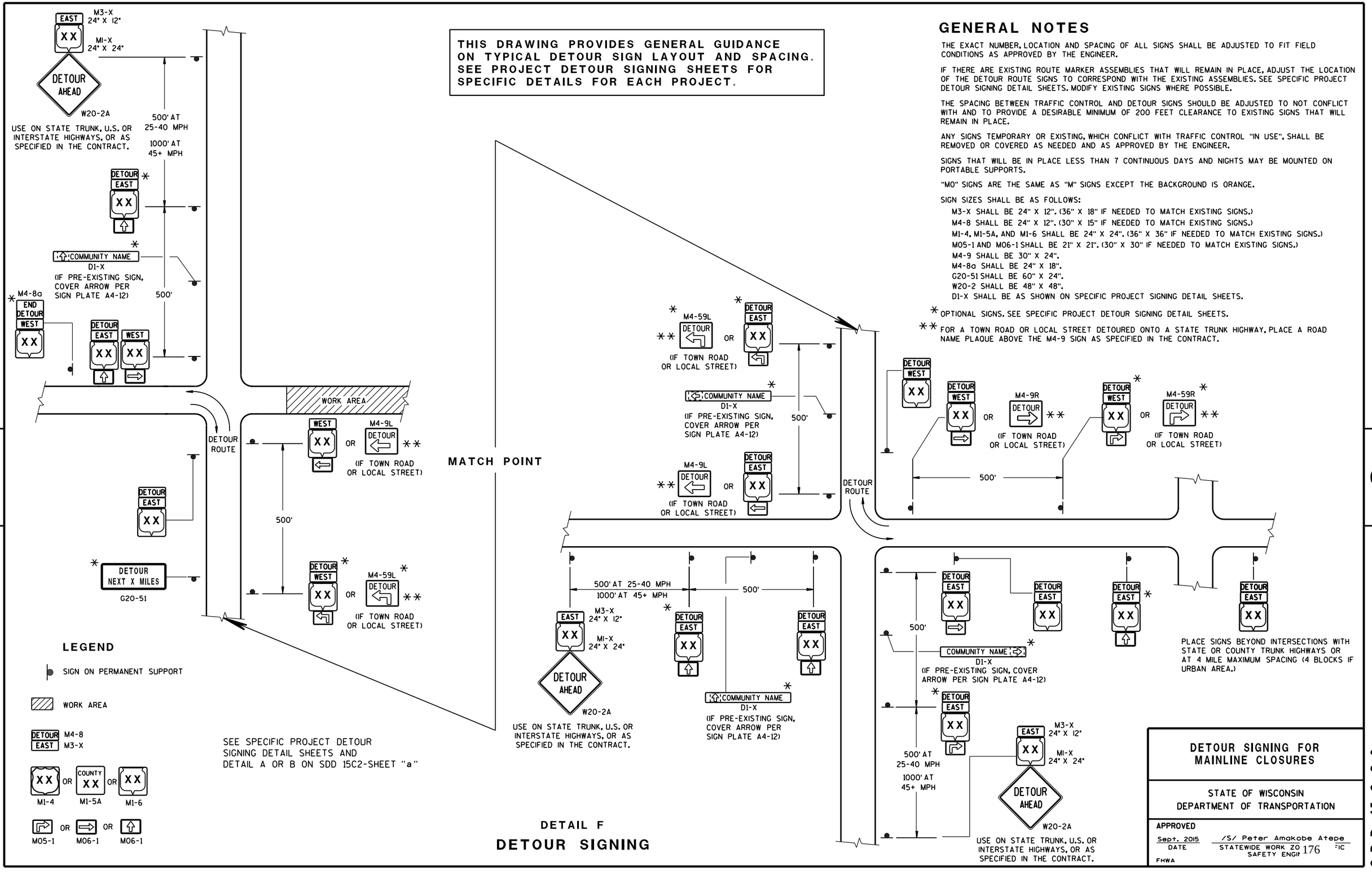
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

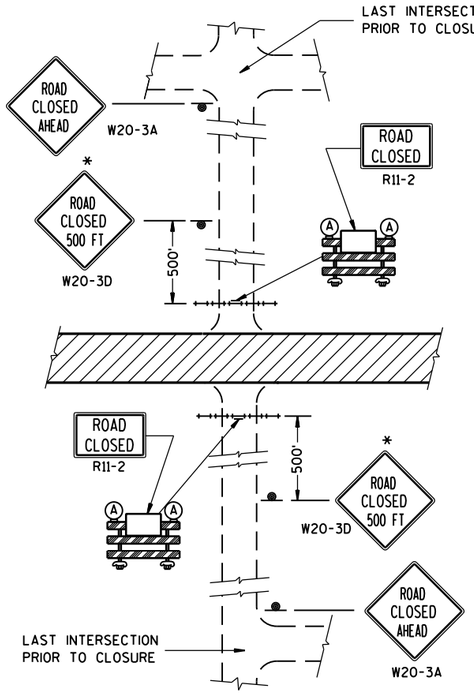
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] FIC
SAFETY ENGI[illegible]

FHWA

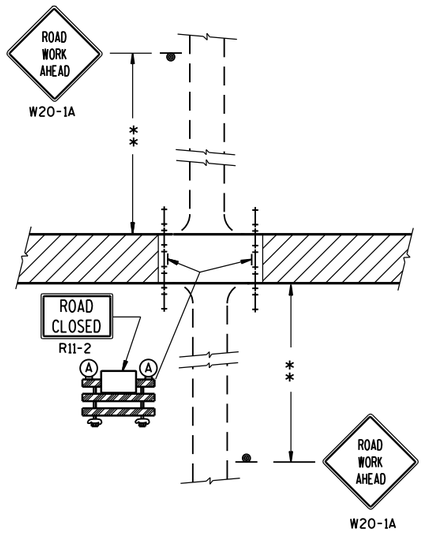
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S.D.D. 15 C 2-6c



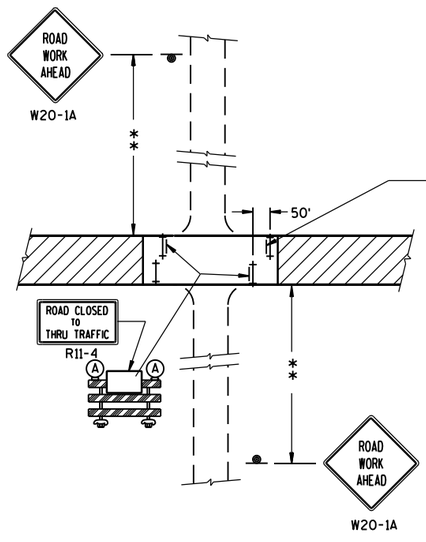
DETAIL 1

(NO ACCESS TO PROJECT)



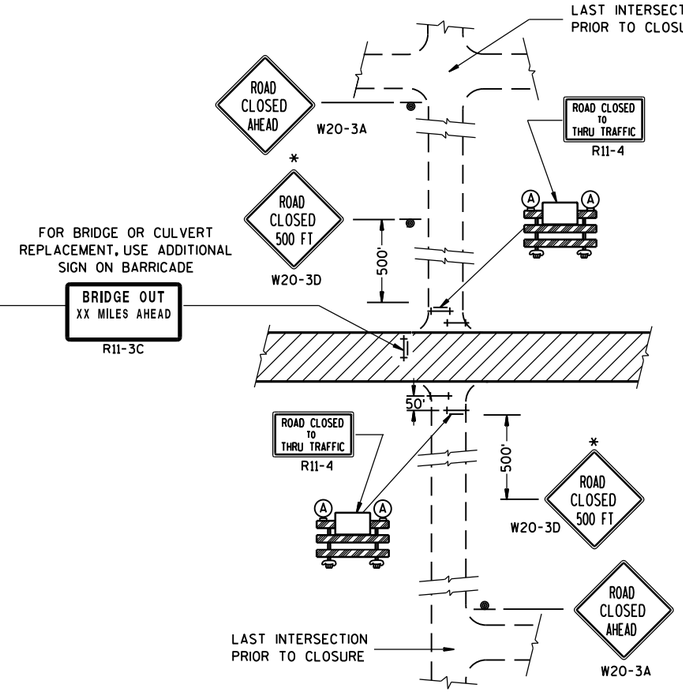
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

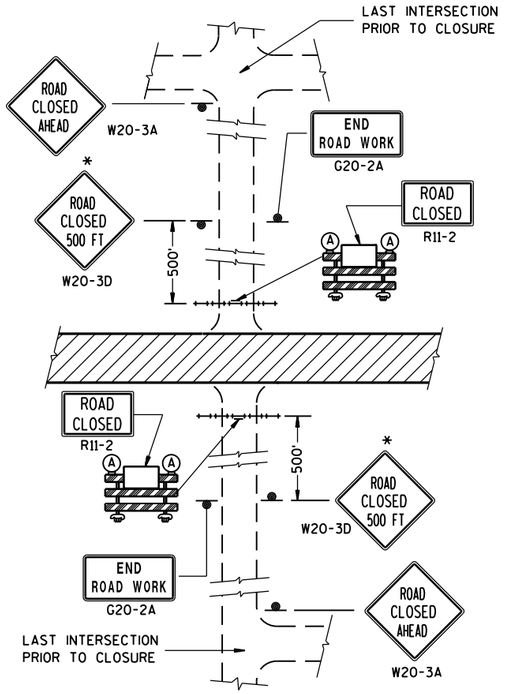
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible]FIC SAFETY ENGI[illegible]
FHWA

6

S.D.D. 15 C 3-3

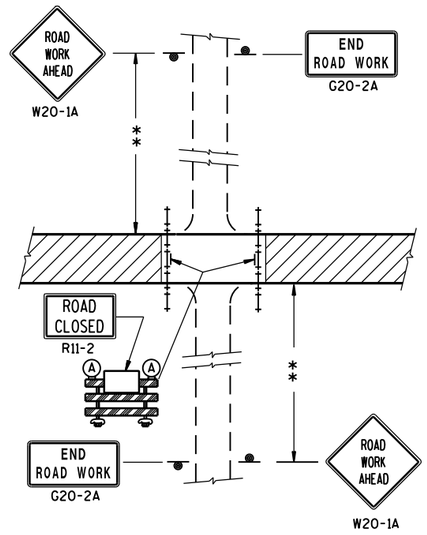
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S.D.D. 15 C 3-3



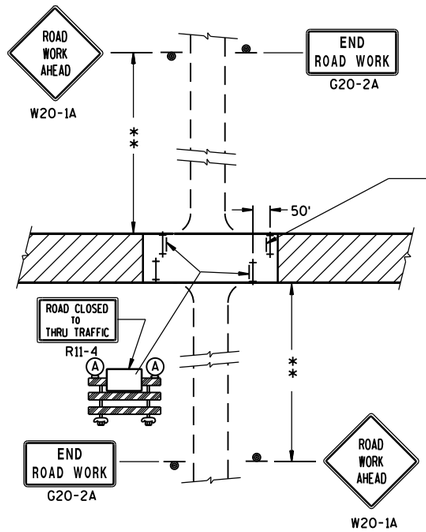
DETAIL 1

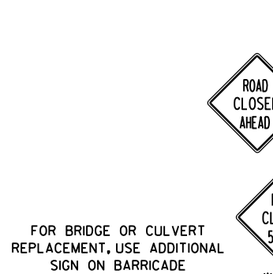
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DETAIL 2

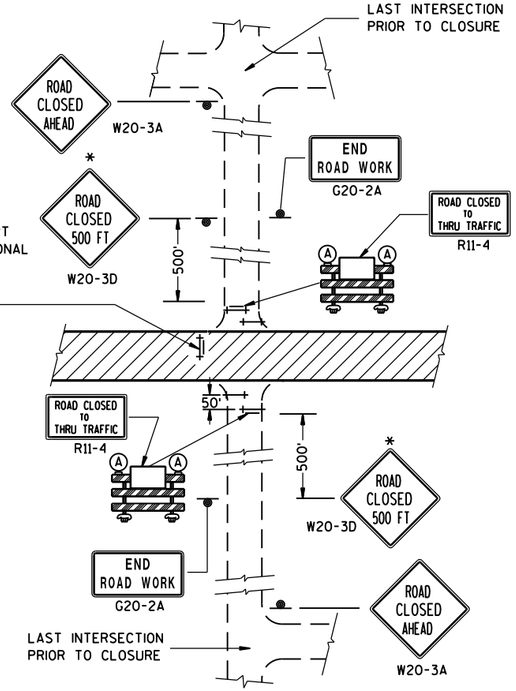
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

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BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

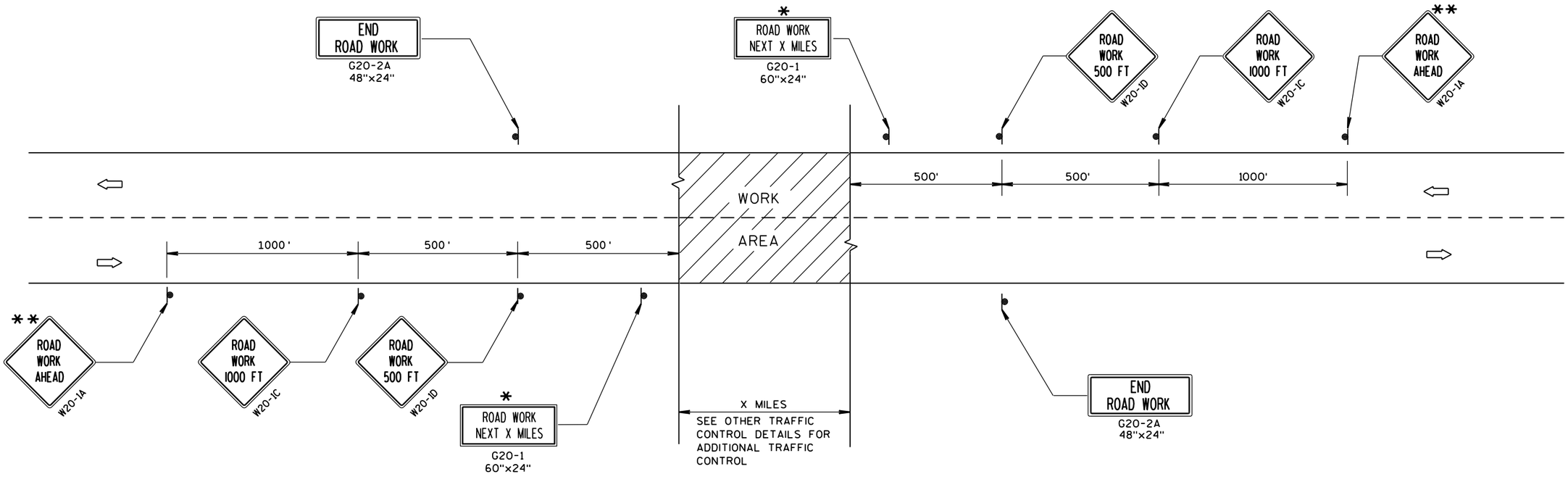
APPROVED
Sept. 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

6

S.D.D. 15 C 3-4

6

S.D.D. 15 C 3-4



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

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.

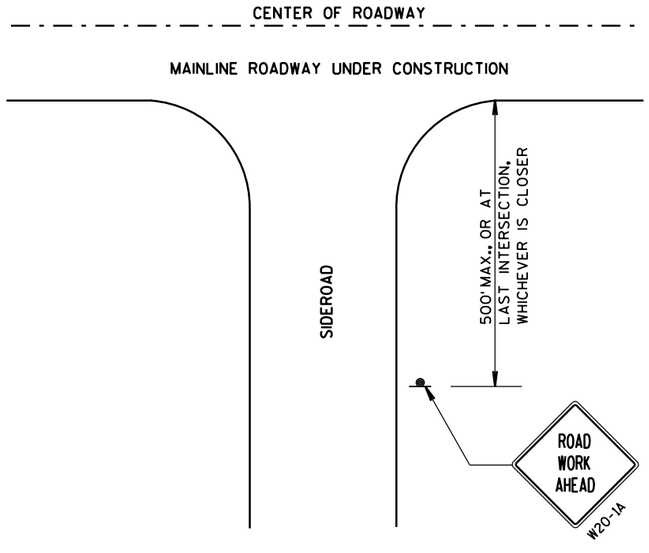
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZOI SAFETY ENGIN IC

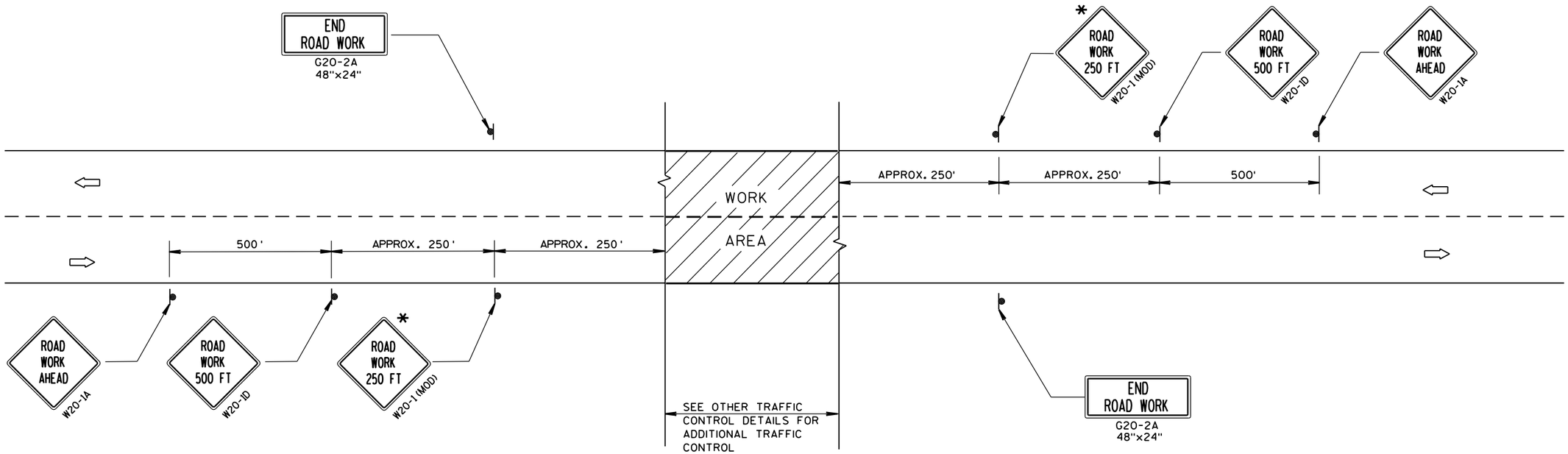
FHWA

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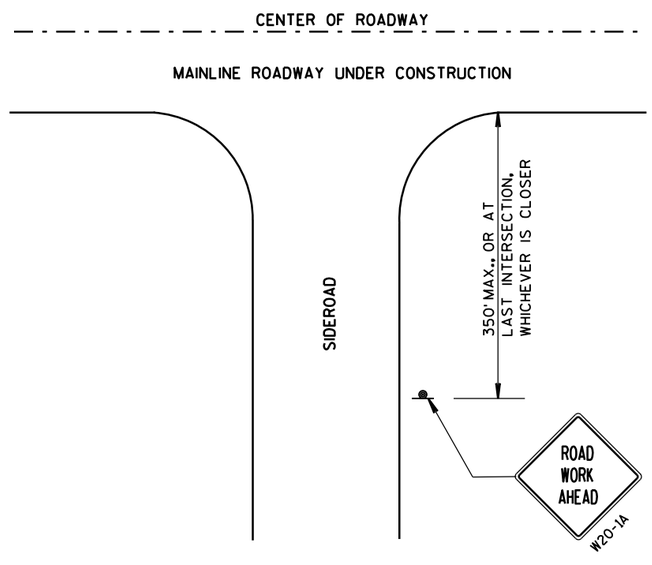
S.D.D. 15 C 4-3

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S.D.D. 15 C 4-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

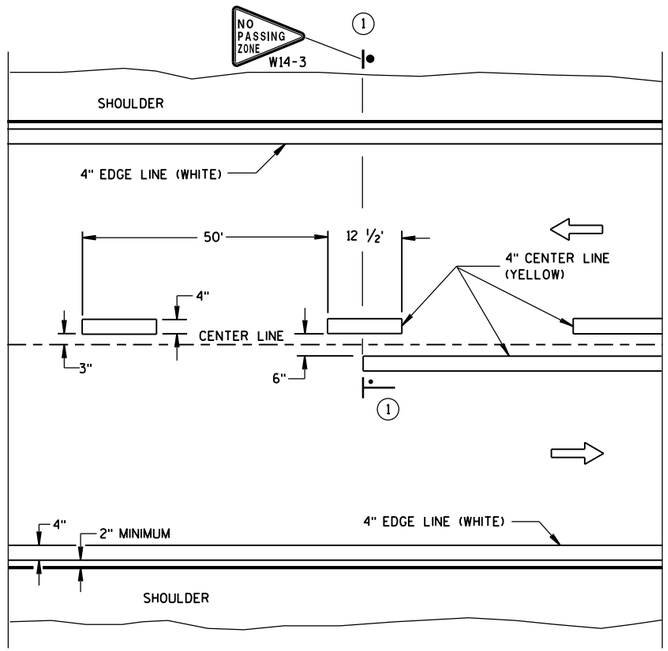
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI SAFETY ENGIN — IC
FHWA

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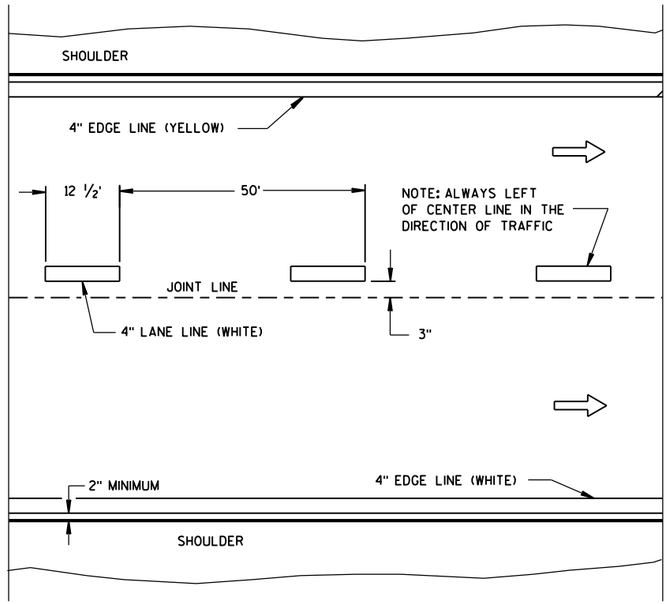
S.D.D. 15 C 5-3

6

S.D.D. 15 C 5-3



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

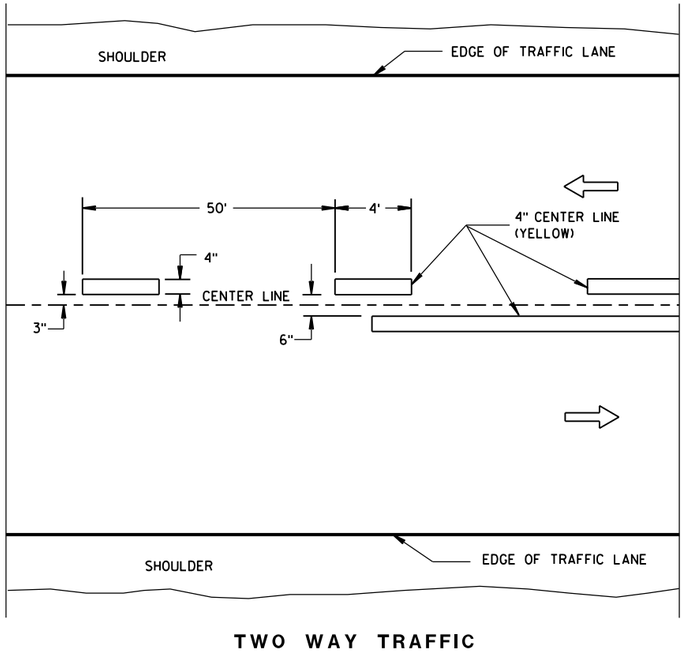
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

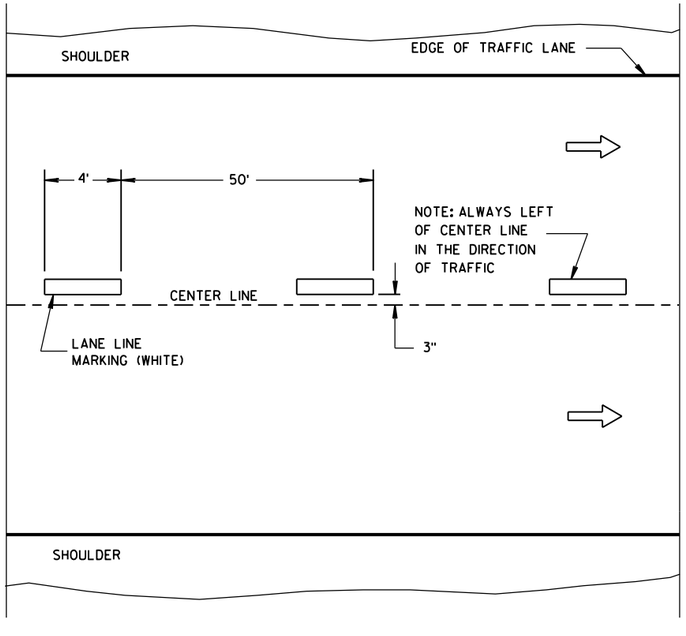
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



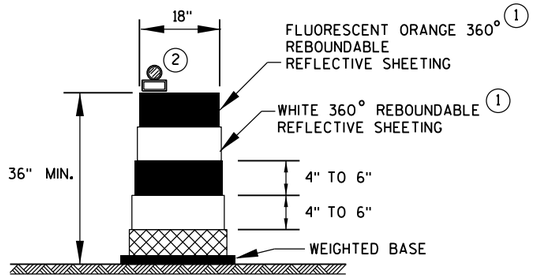
ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

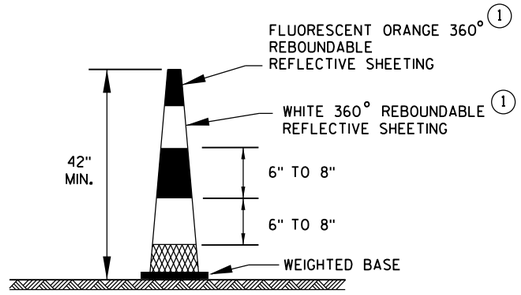
LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MAR[illegible]INEER
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S.D.D. 15 C 8-18a



DRUM

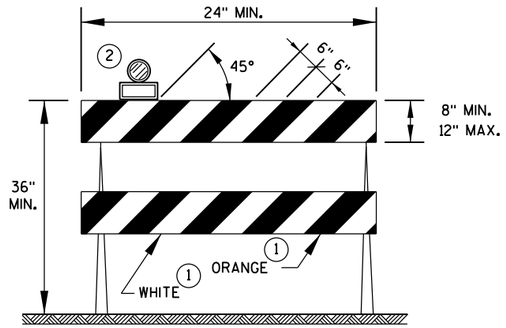


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

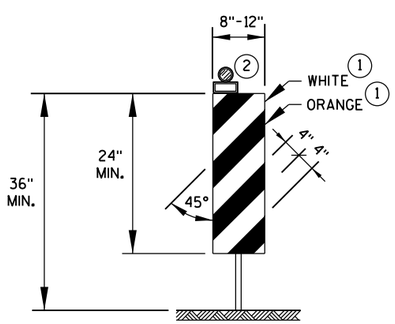
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



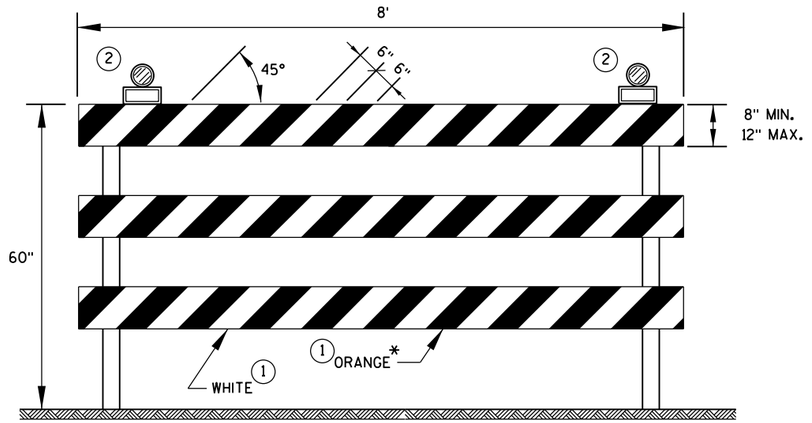
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENG
FHWA	

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S.D.D. 15 C 11-7b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

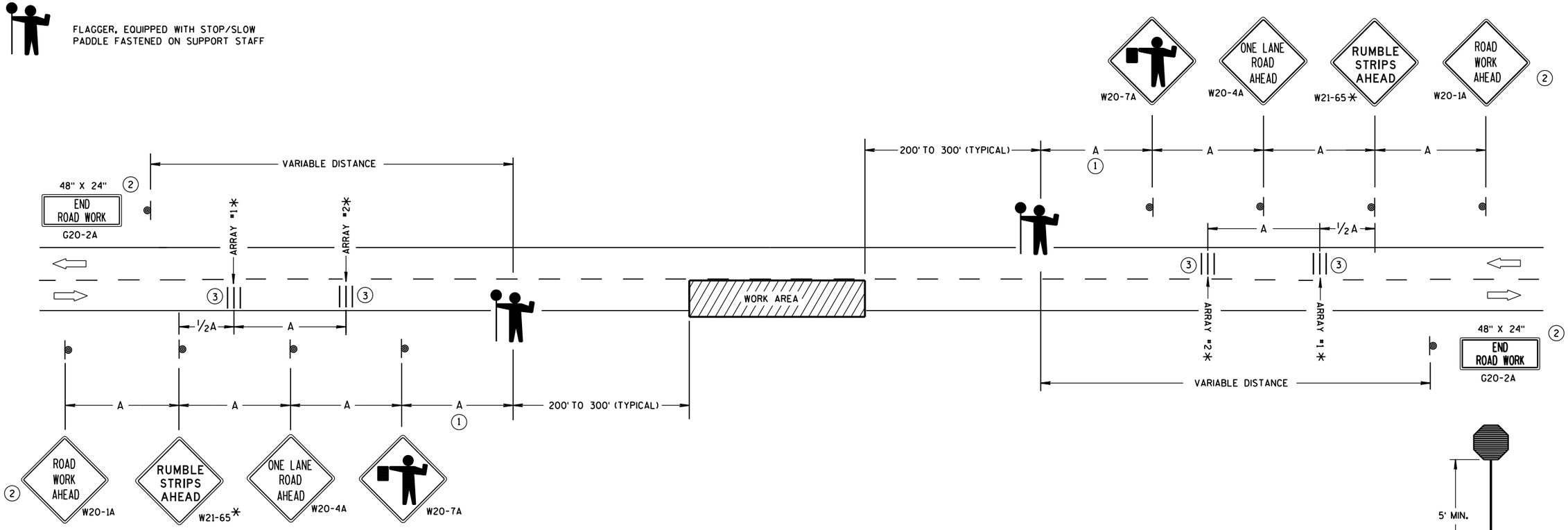
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

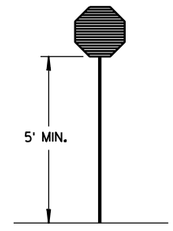
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.





STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A SIDE ROAD OR 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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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S.D.D. 15 C 12-6

6

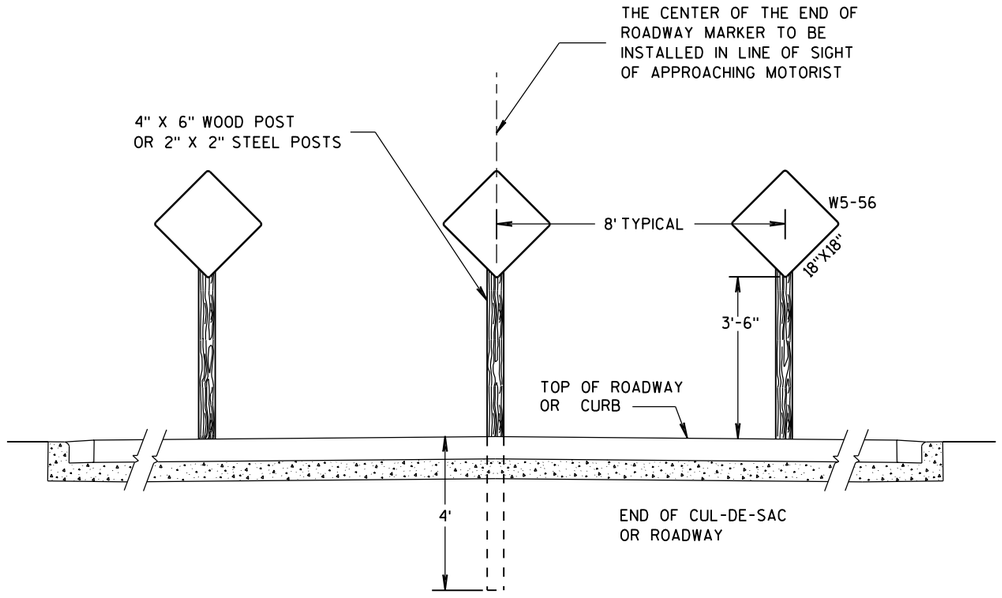
S.D.D. 15 C 12-6

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

END-OF-ROADWAY SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 15 C 26-3

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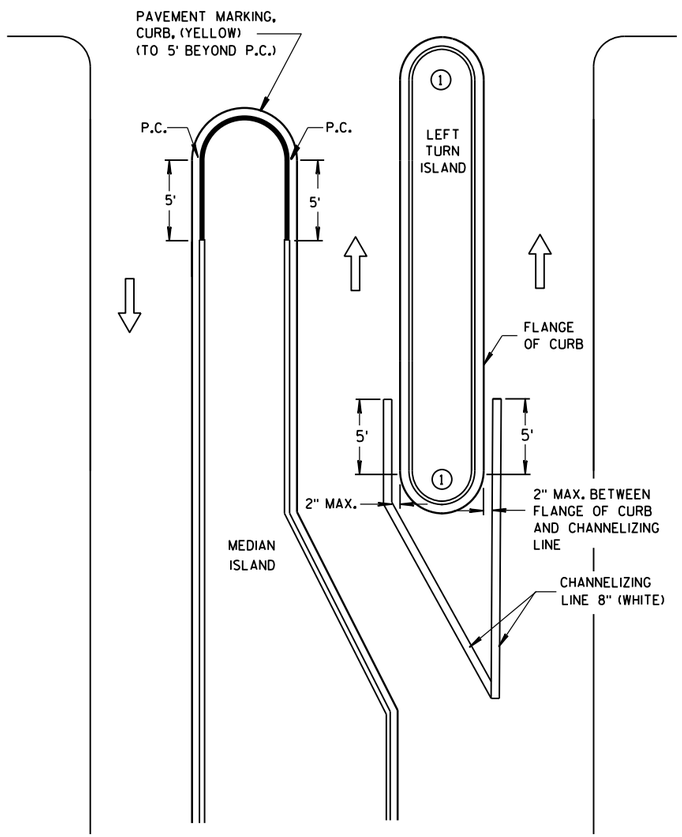
S.D.D. 15 C 26-3

GENERAL NOTE

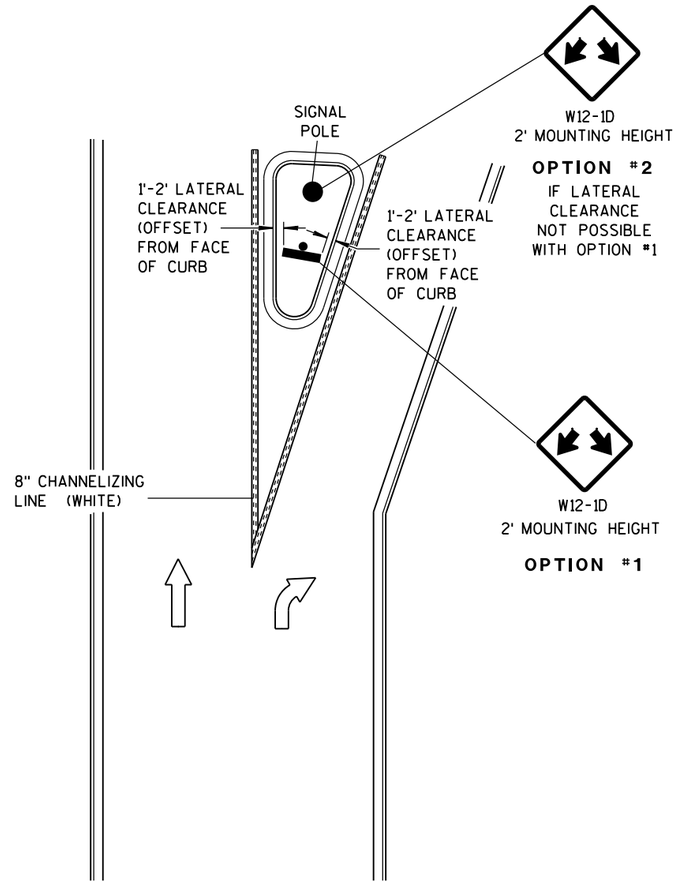
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

DIRECTION OF TRAVEL



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND

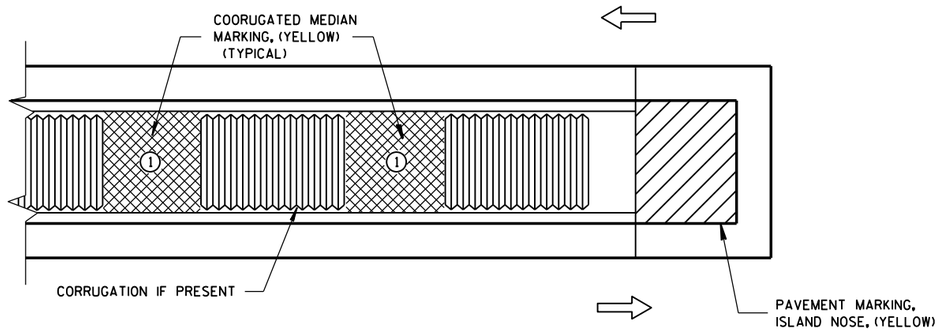
DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

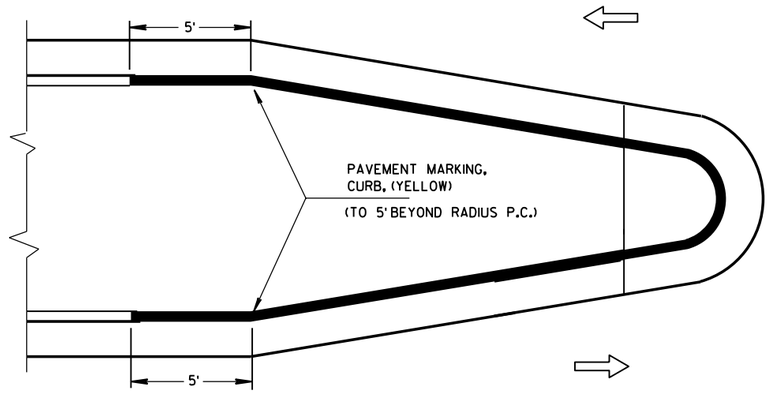
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FHWA

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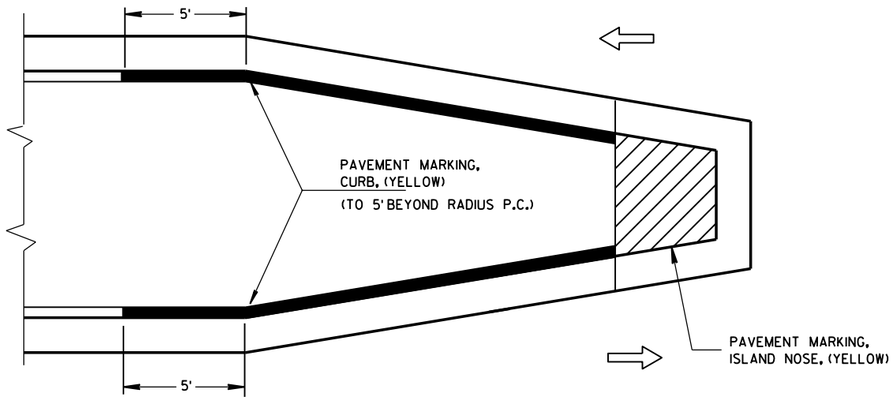
S.D.D. 15 C 27-2a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

(1) WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

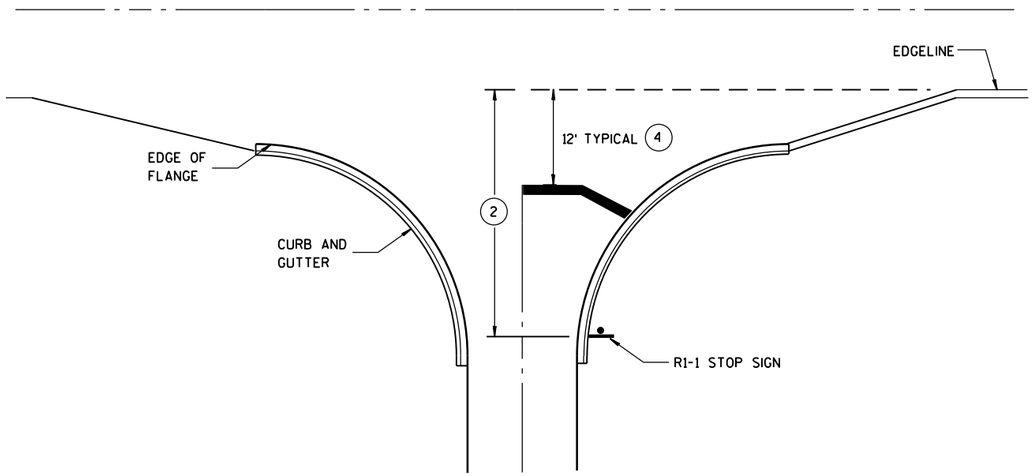
APPROVED
June 2017
DATE
/S/ Matthew Rauch
STATE SIGNING AND MARK ENGINEER
FHWA

6

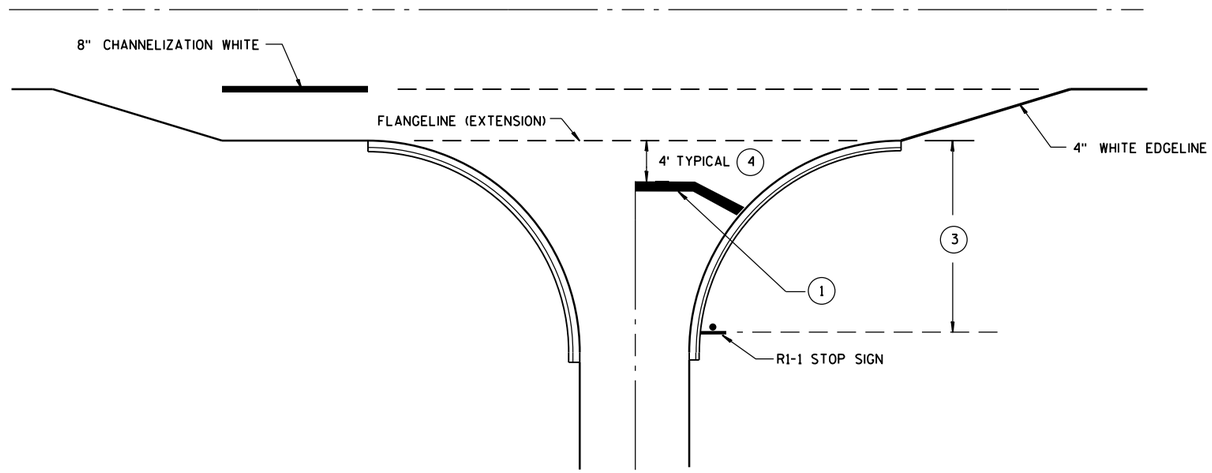
S.D.D. 15 C 27-2b

6

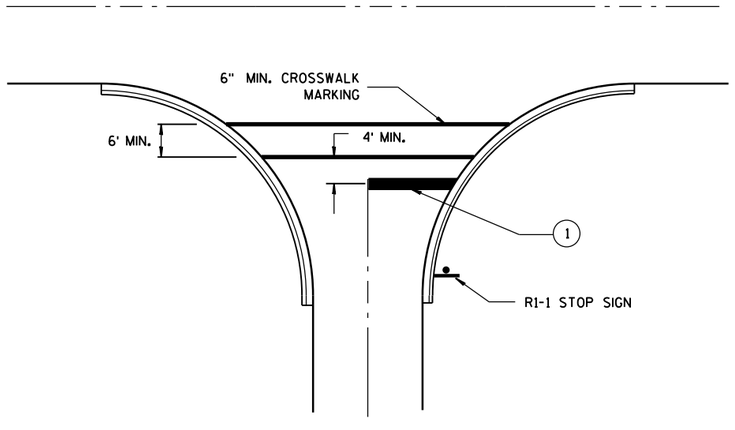
S.D.D. 15 C 27-2b



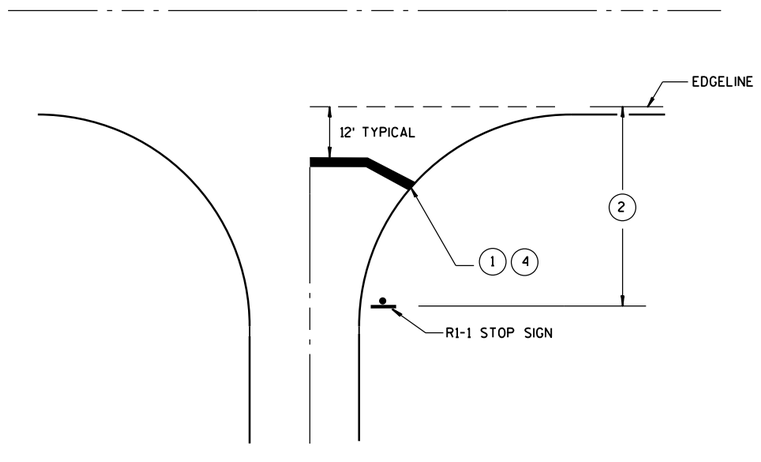
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

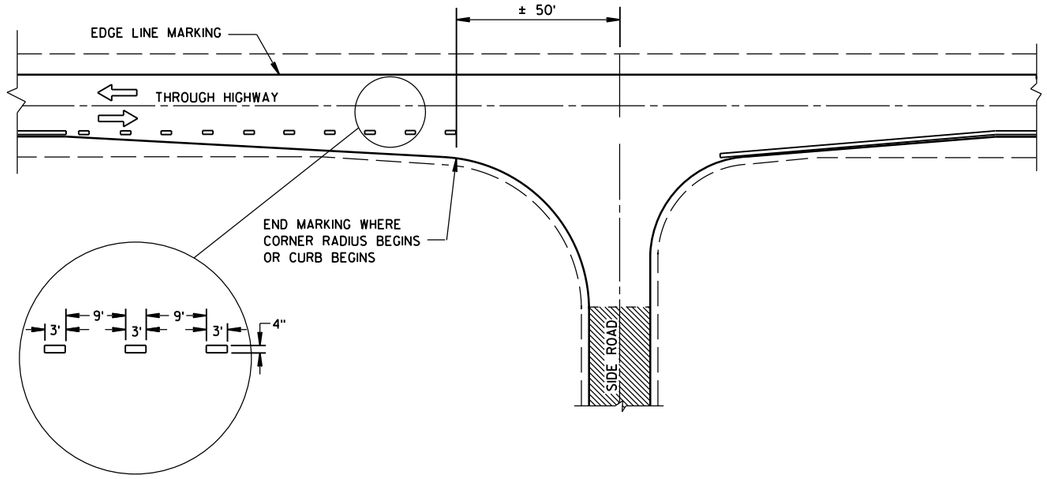
4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible]NEER

FHWA

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S.D.D. 15 C 33-2



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

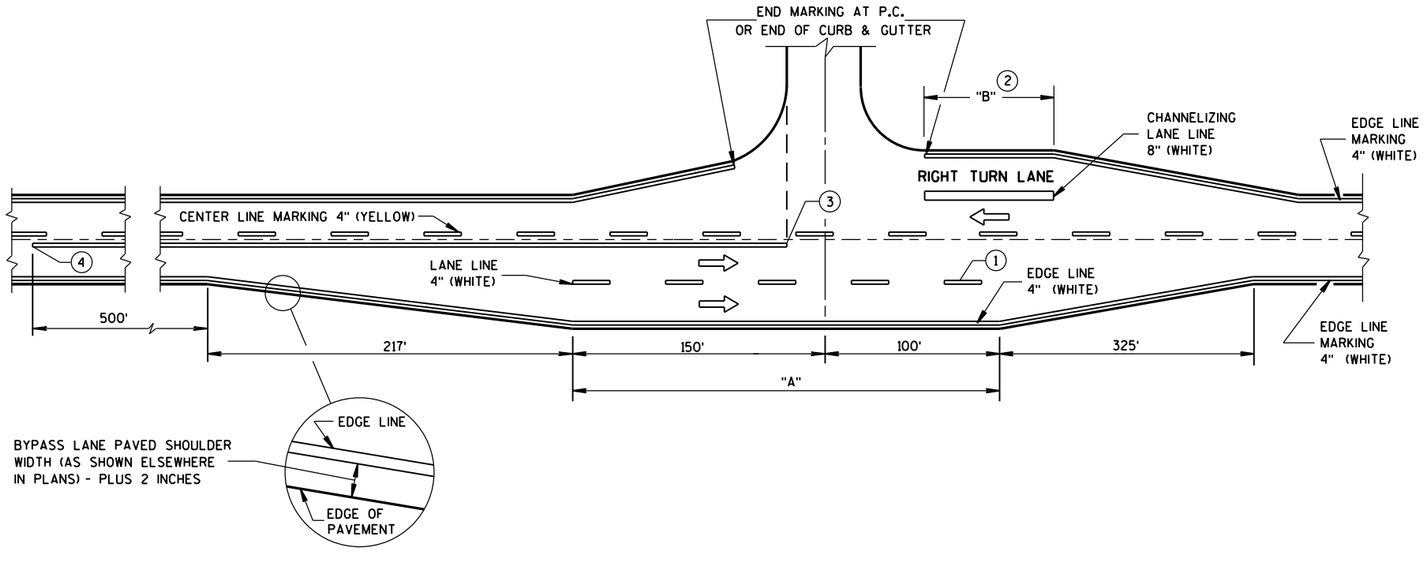
(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 35-1a

GENERAL NOTES

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. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

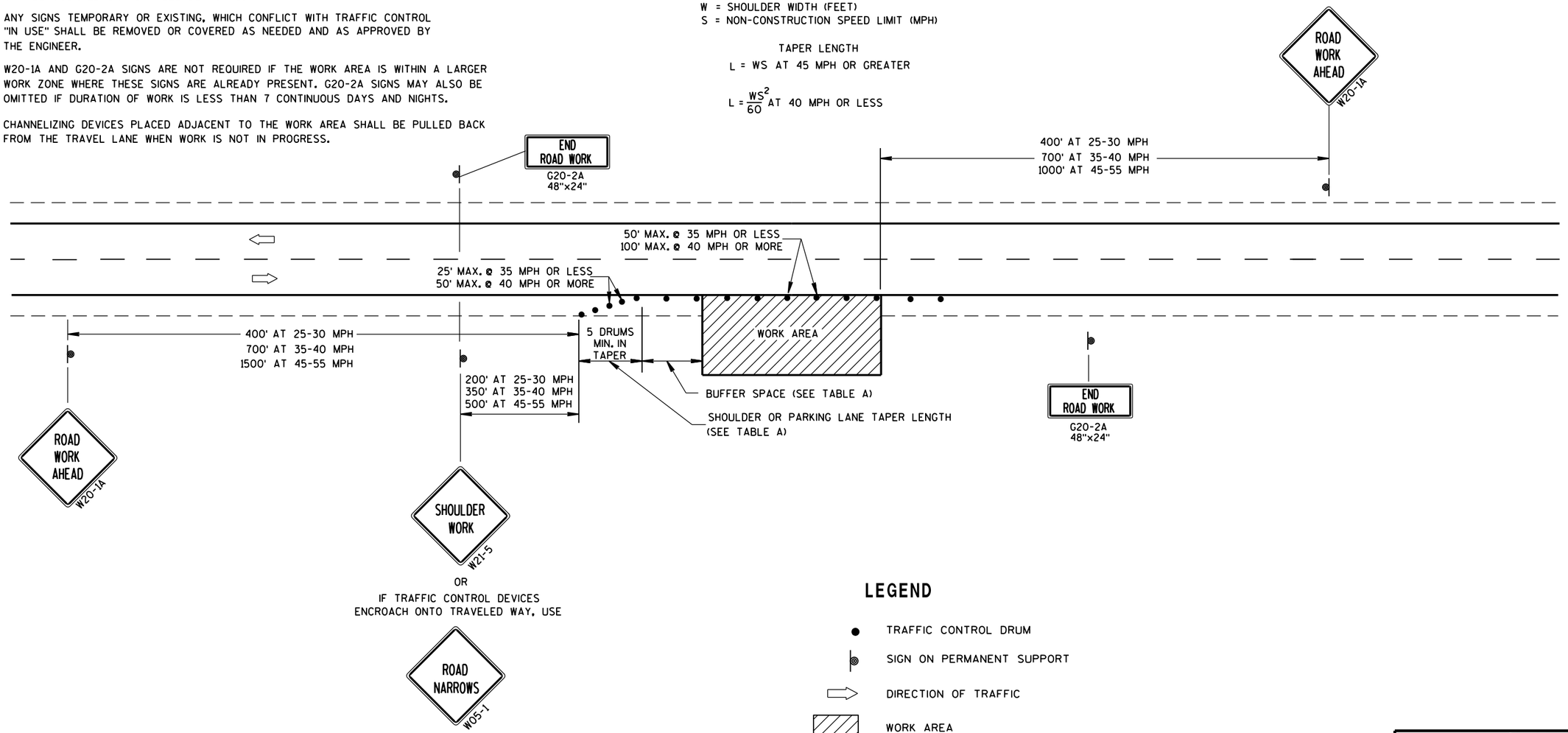
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC

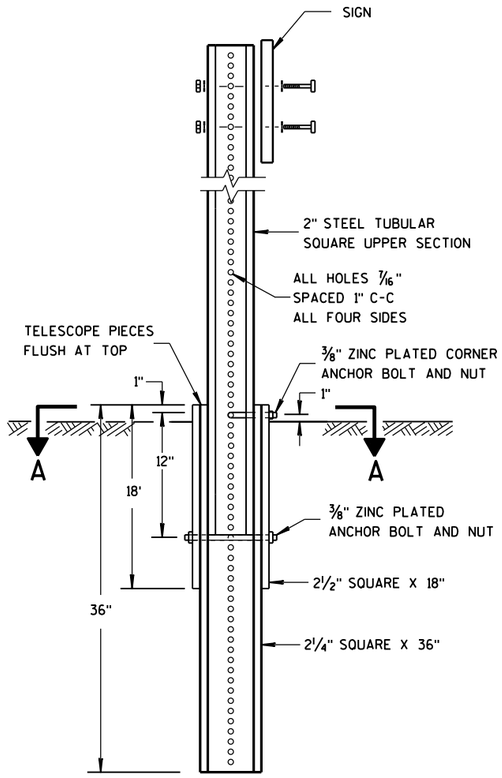
FHWA

6

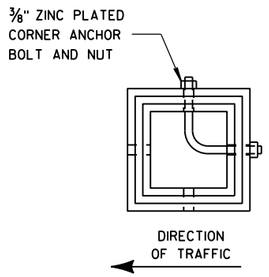
S.D.D. 15 D 28-3

6

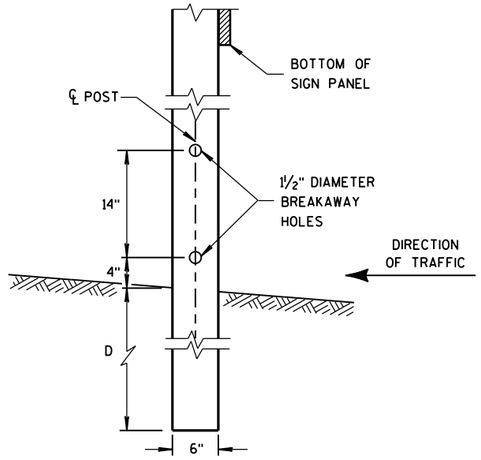
S.D.D. 15 D 28-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



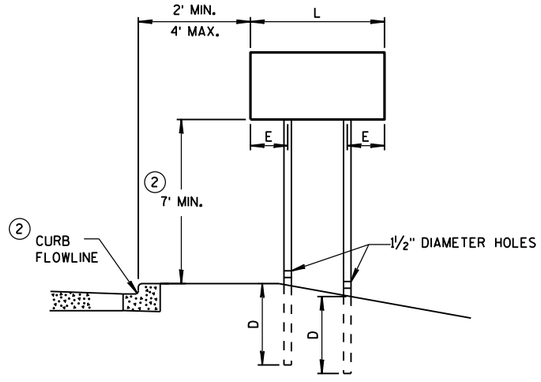
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

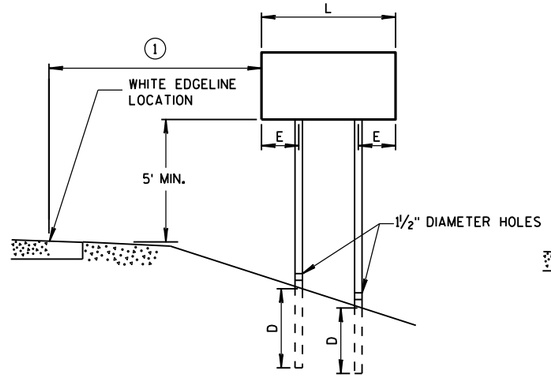
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

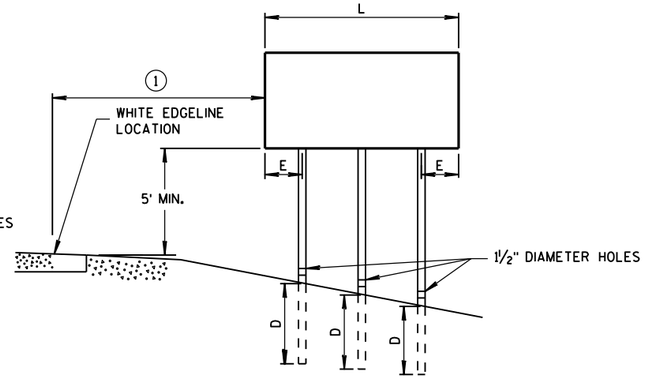
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

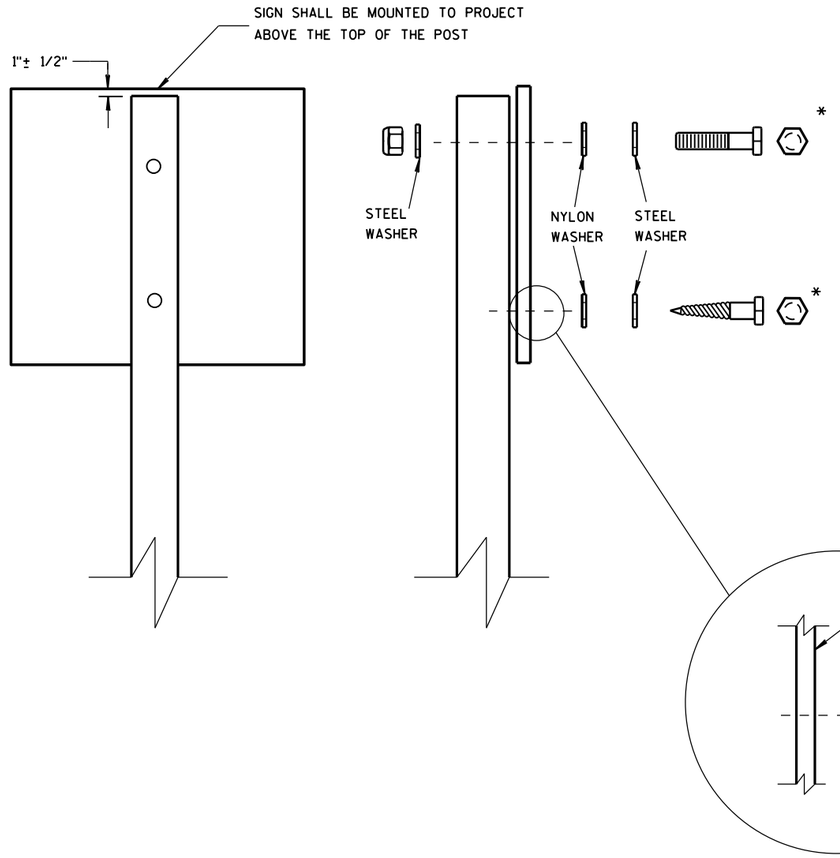
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

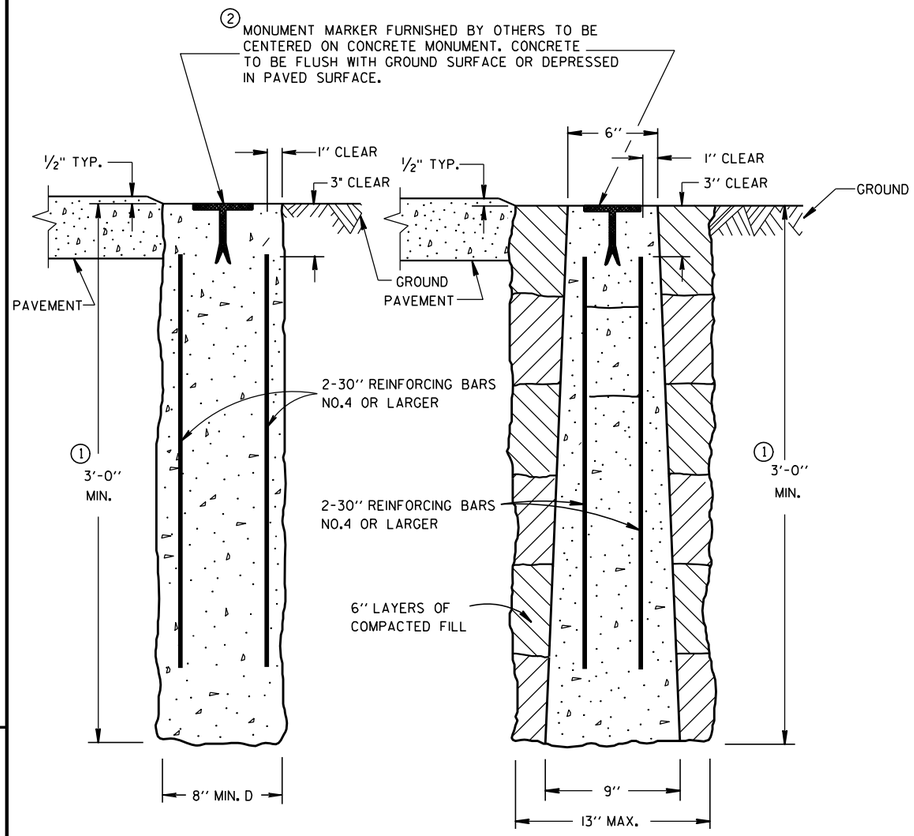
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

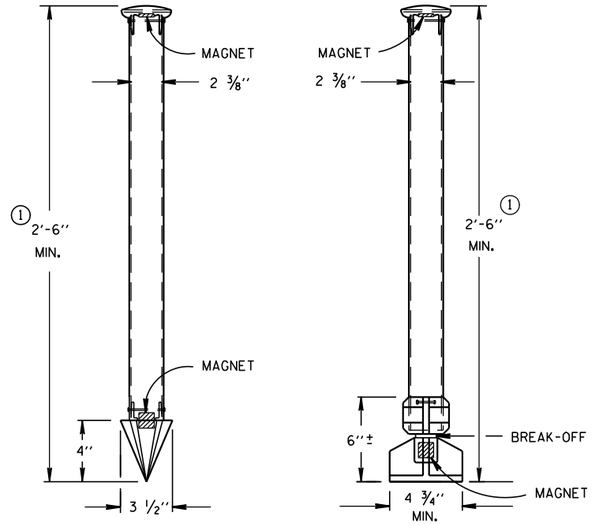
FHWA



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.

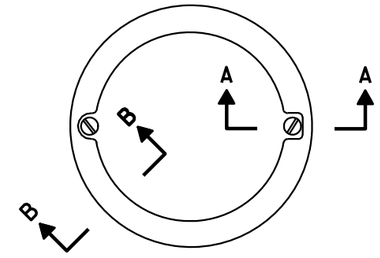
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

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.

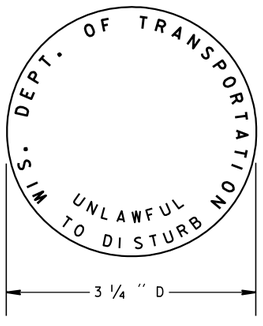
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

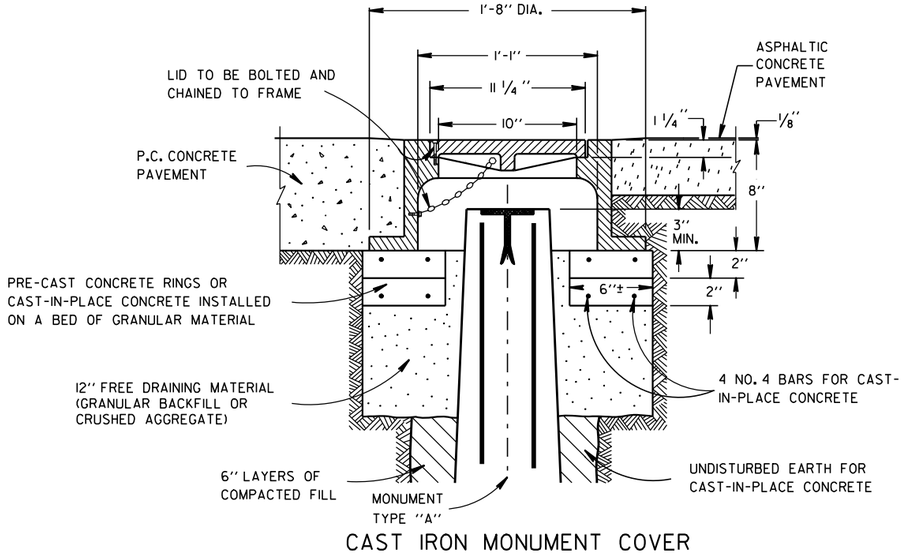
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

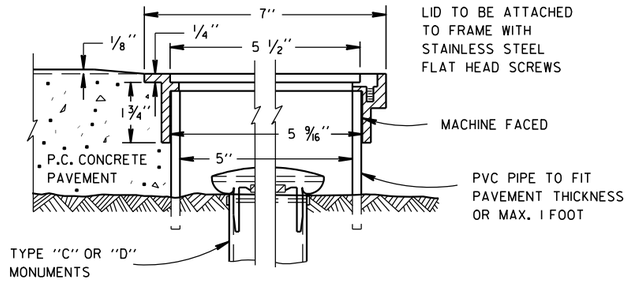


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



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

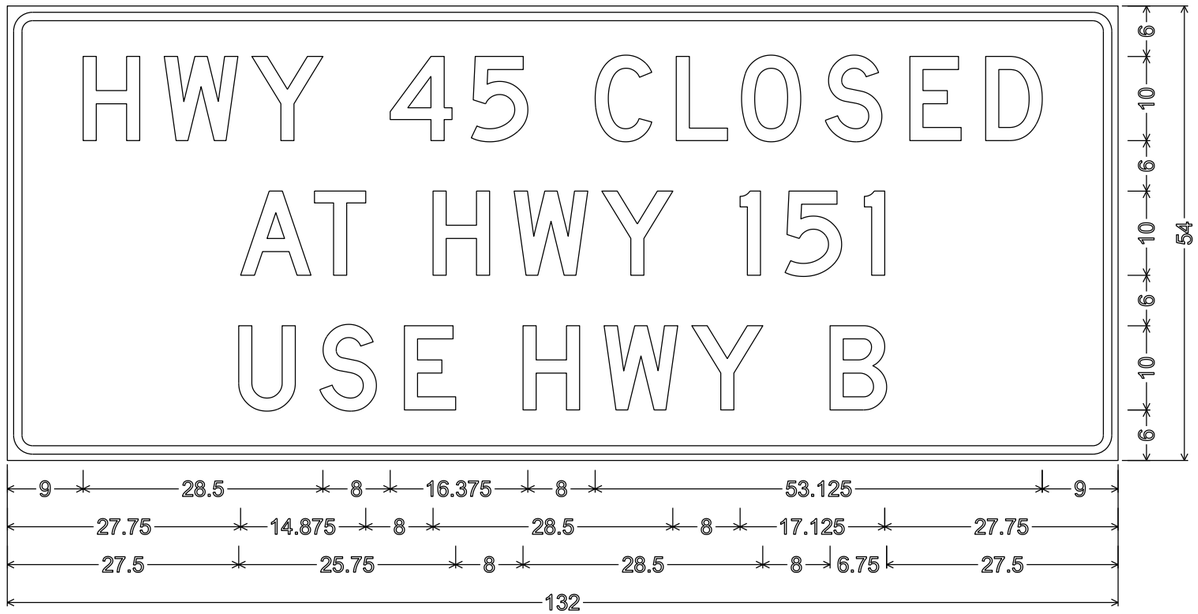
S.D.D. 16 A 1-6

6

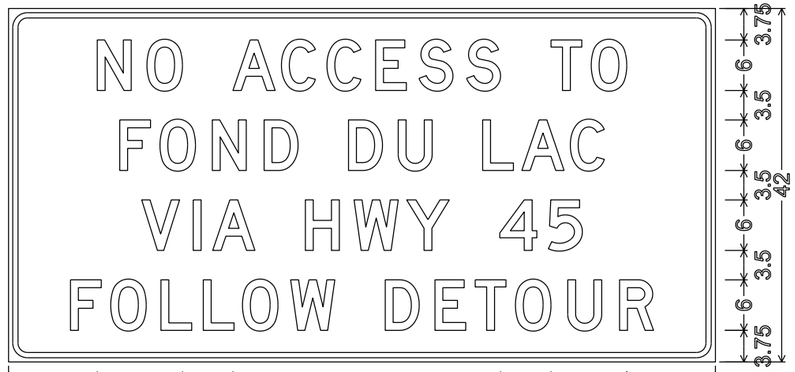
S.D.D. 16 A 1-6

NOTES

1. All Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



3.000" Radius, 1.000" Border, 0.750" Indent, Black on Fluorescent orange;
"HWY" D; "45" D; "CLOSED" D; "AT" D; "HWY" D; "151" D; "USE" D; "HWY" D; "B" D;



2.250" Radius, 0.625" Border, 0.500" Indent, Black on Fluorescent orange;
"NO" D; "ACCESS" D; "TO" D; "FOND" D; "DU" D; "LAC" D;
"VIA" D; "HWY" D; "45" D; "FOLLOW" D; "DETOUR" D;

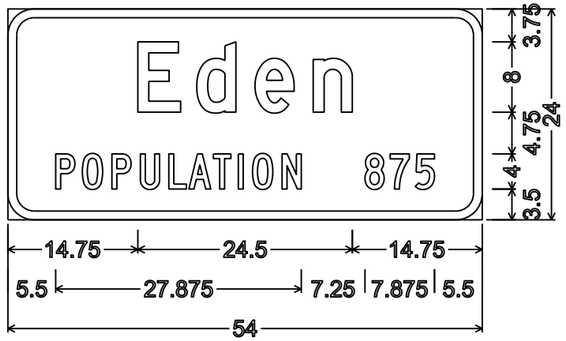
7

7

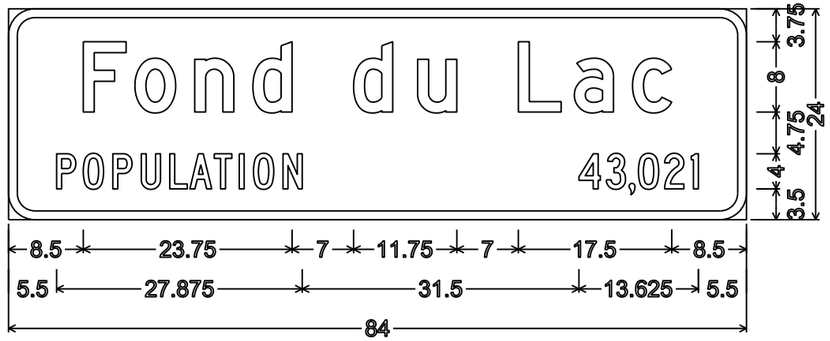
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	FIXED MESSAGE SIGN DETAILS	SHEET NO:	E

NOTES

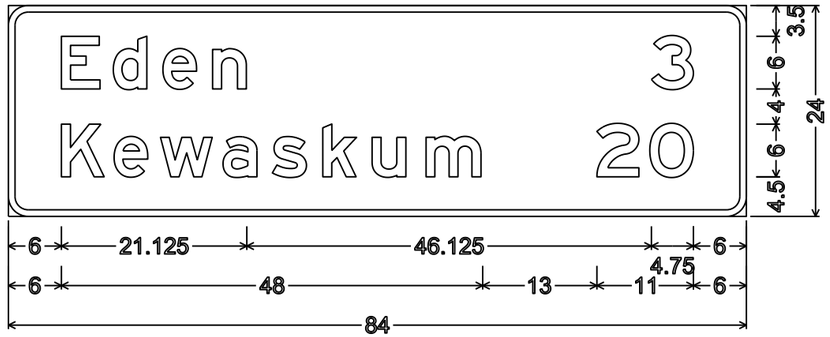
1. Signs are Type II- Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



I2-3;
3.000" Radius, 1.000" Border,
"Eden" D; "POPULATION" C; "875" C



I2-3; 3.000" Radius, 1.000" Border,
"Fond" D; "du" D; "Lac" D; "POPULATION" C; "43,021" C



D2-2; 2.250" Radius, 0.750" Border

7

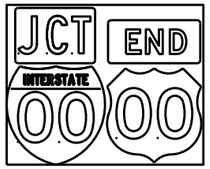
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: WINNEBAGO	PERMANENT SIGNING	SHEET NO: 194	E

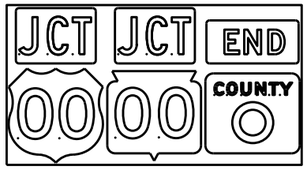
TYPICAL ASSEMBLIES



J1-1



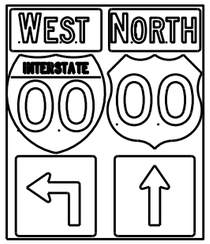
J1-2



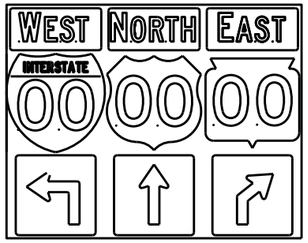
J1-3



J2-1



J2-2

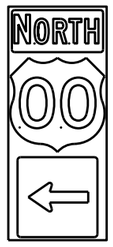


J2-3

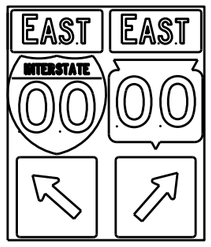


JV

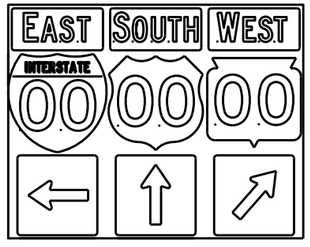
(Typical Vertical J-Assembly
See Note 10 and 11)



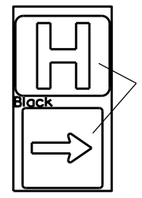
J3-1



J3-2



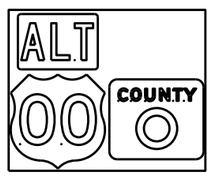
J3-3



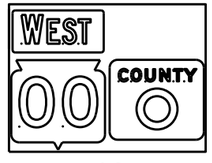
JH-1



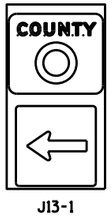
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

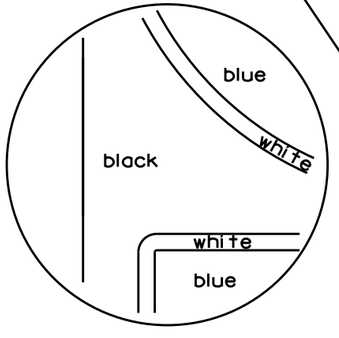


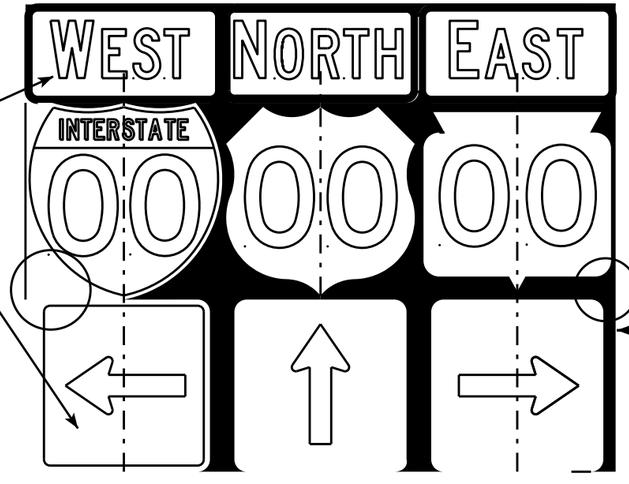
J23-1

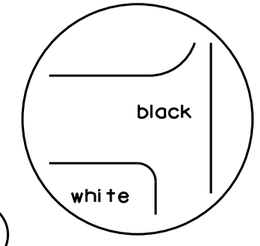


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

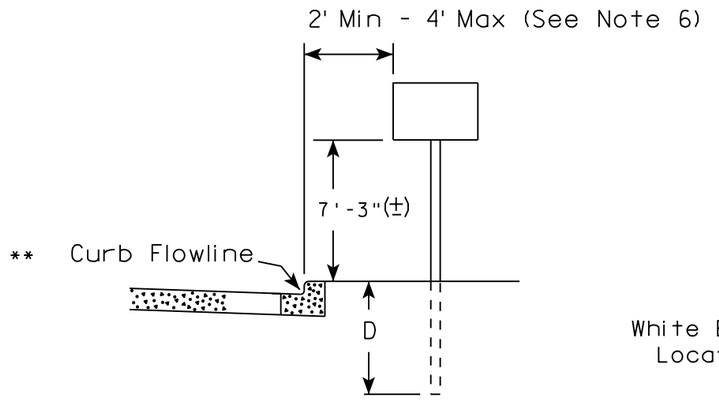
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

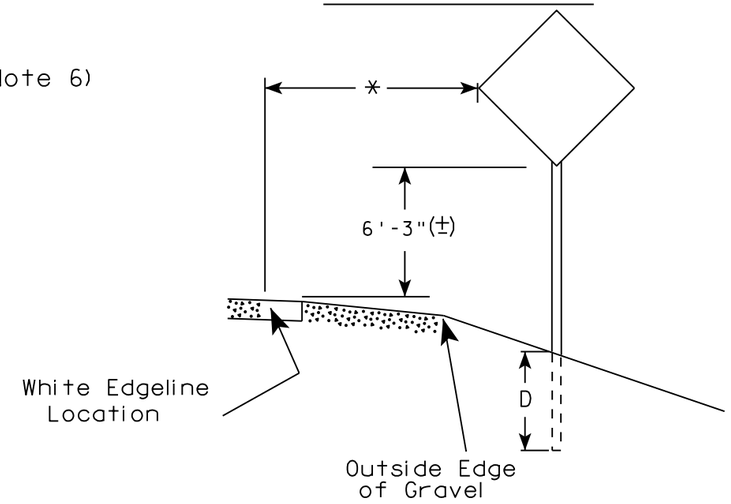
PROJECT NO: SHEET NO: E

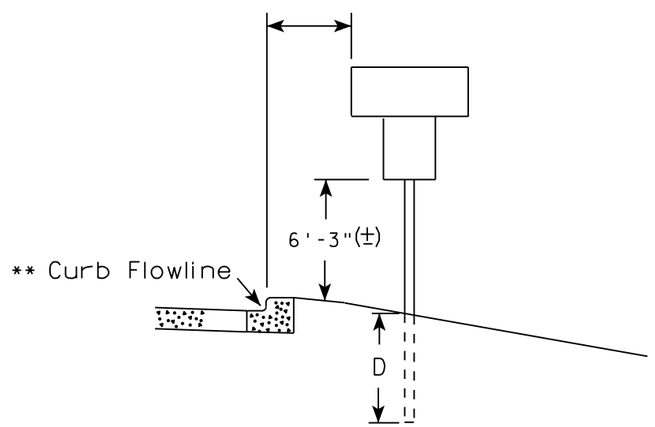
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

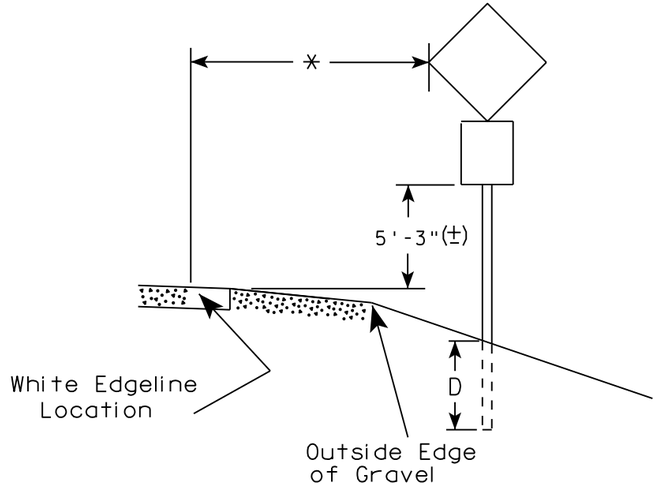
URBAN AREA



RURAL AREA (See Note 2)







** 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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

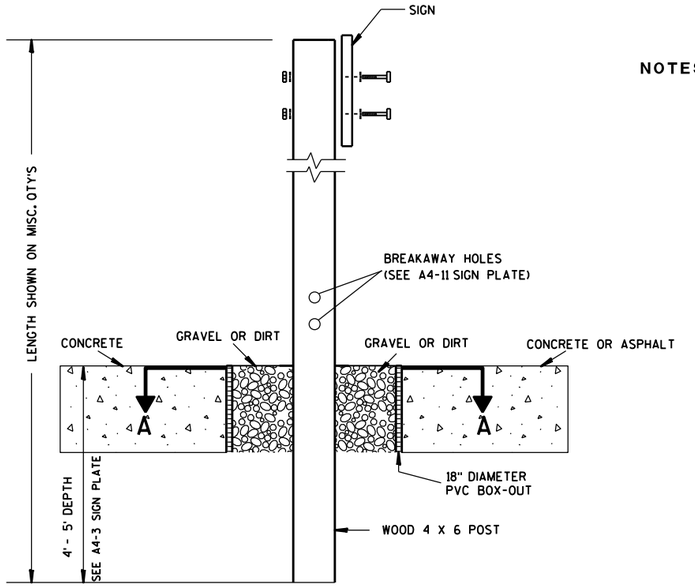
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
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" (±).

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

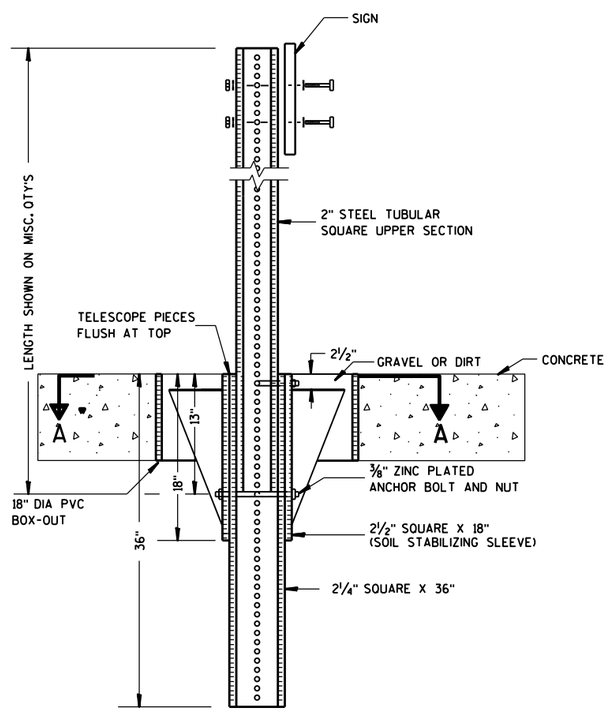
DATE 8/21/17 PLATE NO. A4-3.21



ELEVATION VIEW

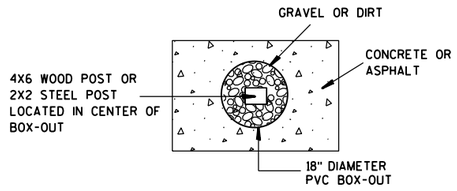
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

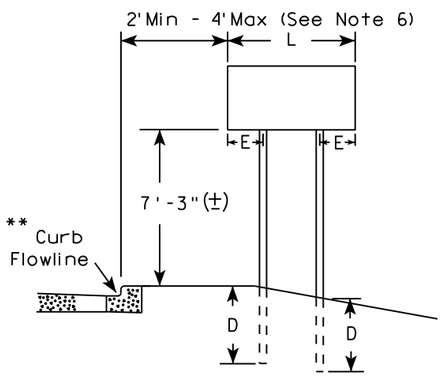
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

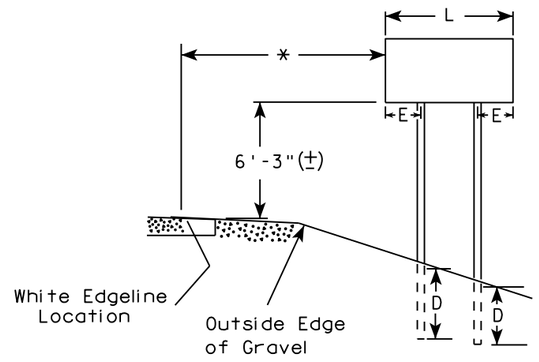
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

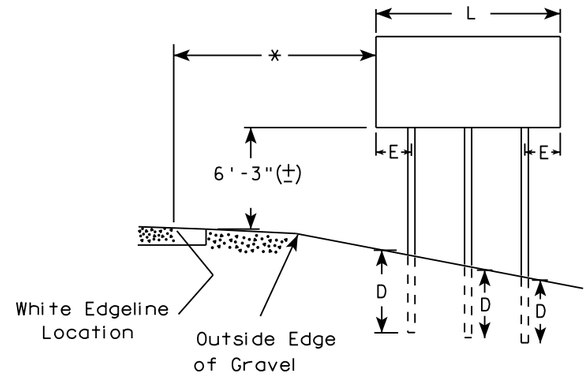
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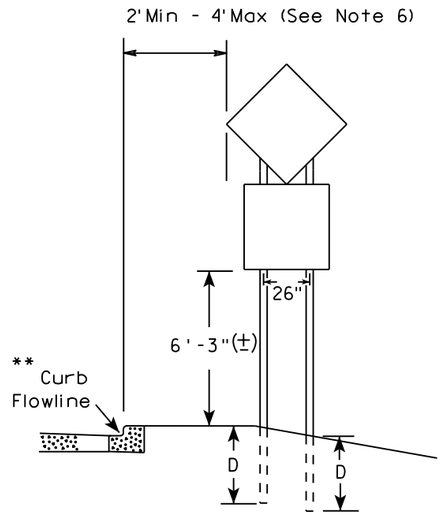
URBAN AREA



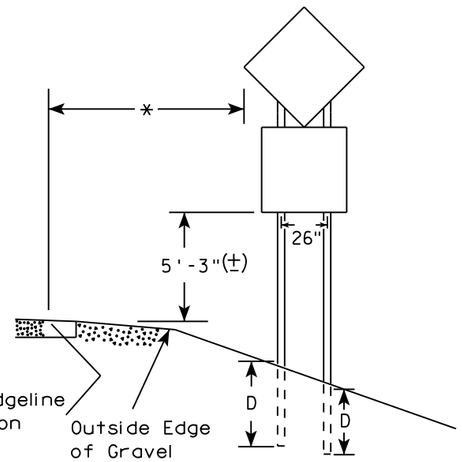
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 108"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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. J-Assemblies are considered to be one sign for mounting height.
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 and less than 20 S.F. in area.

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

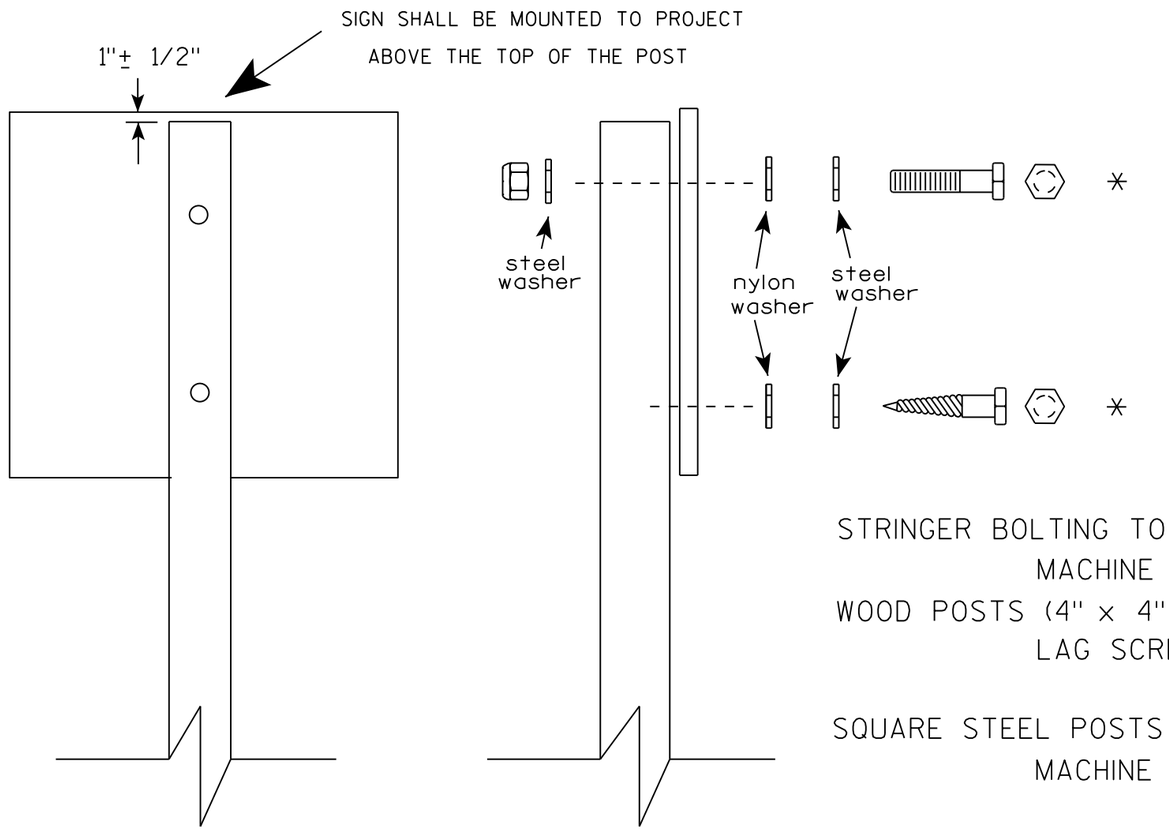
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 198 | 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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

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

* 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

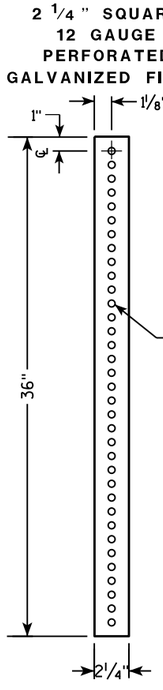
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

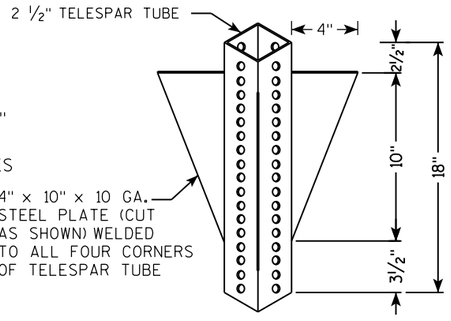
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

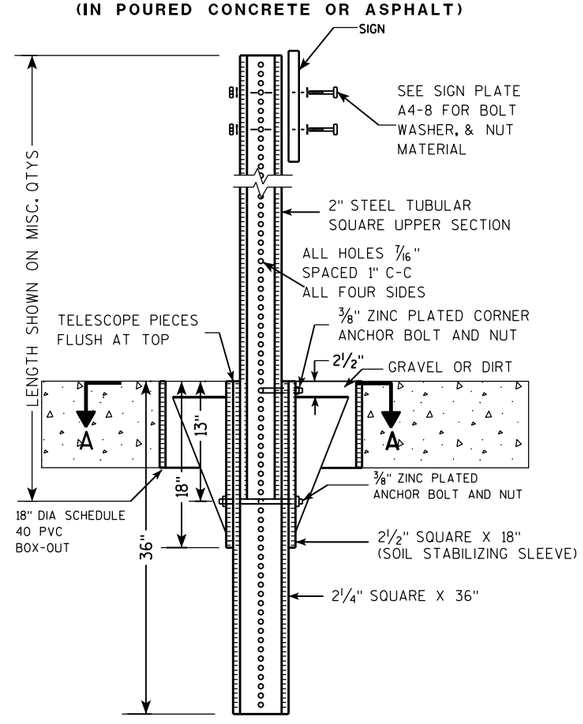
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



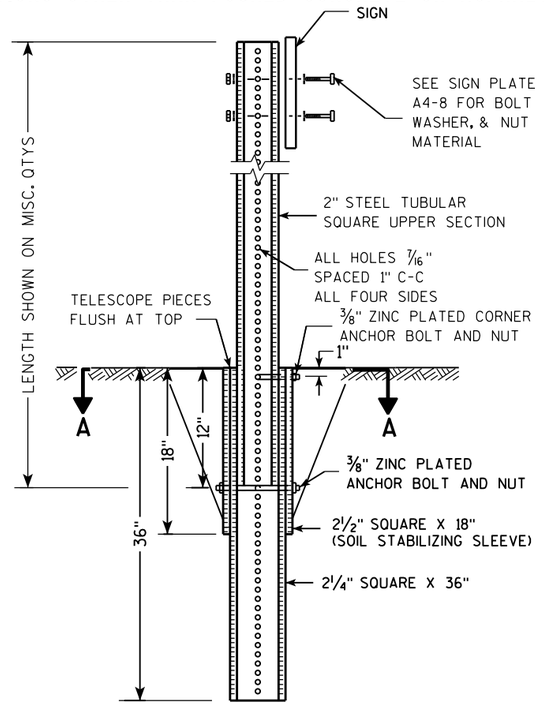
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

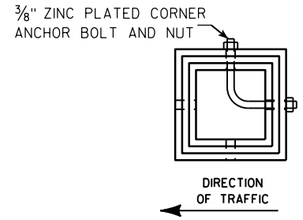


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

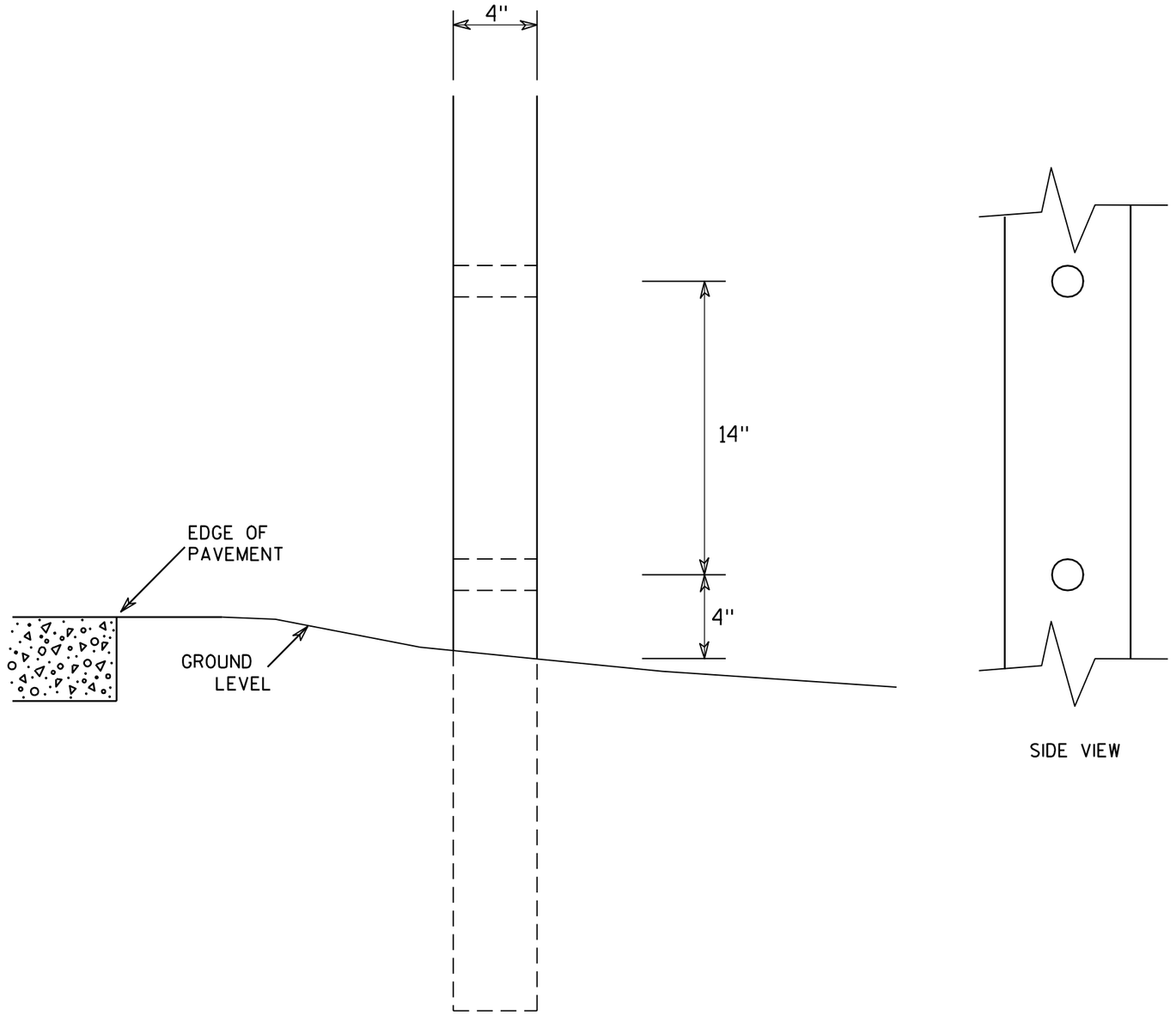
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 200 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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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.

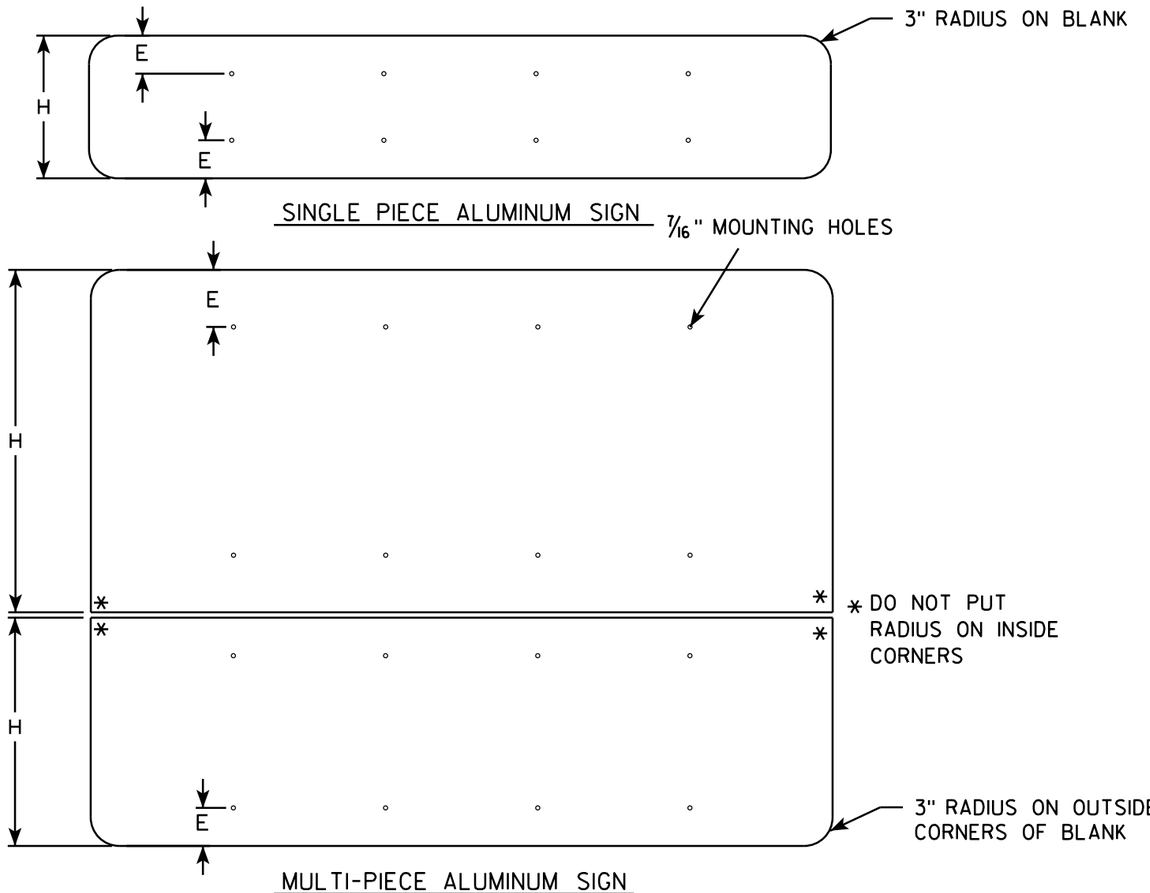
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

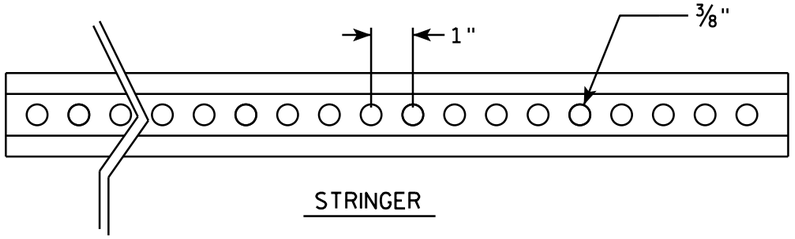
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 201	E



GENERAL NOTES

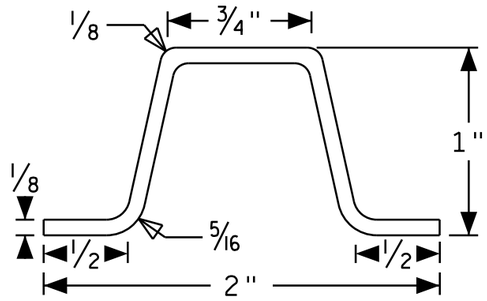
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

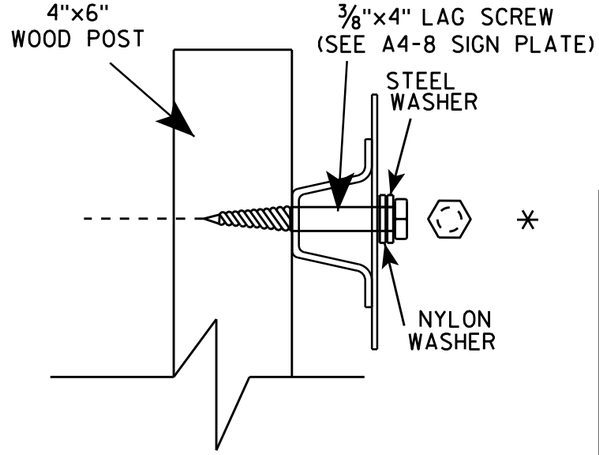


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

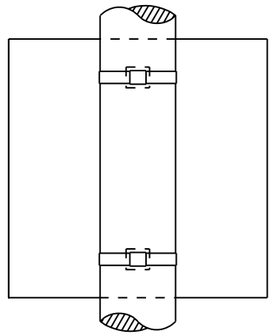
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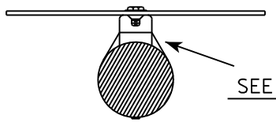
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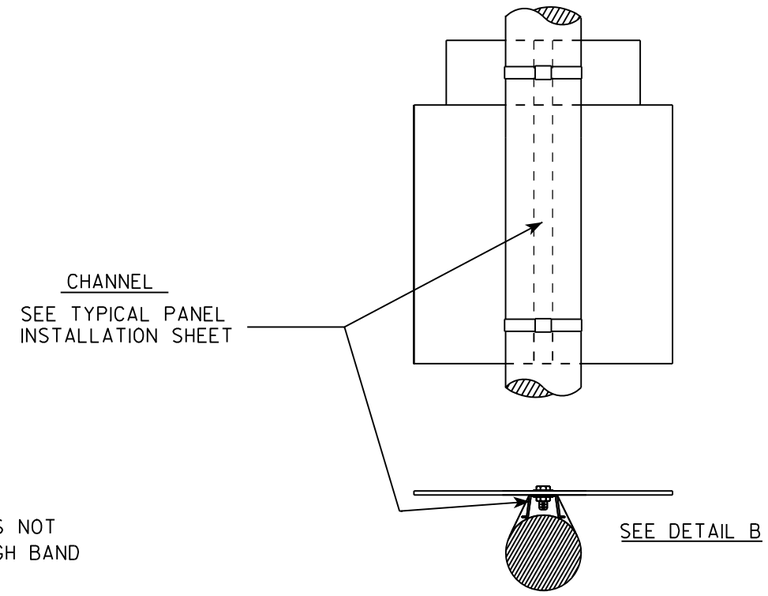
BANDING

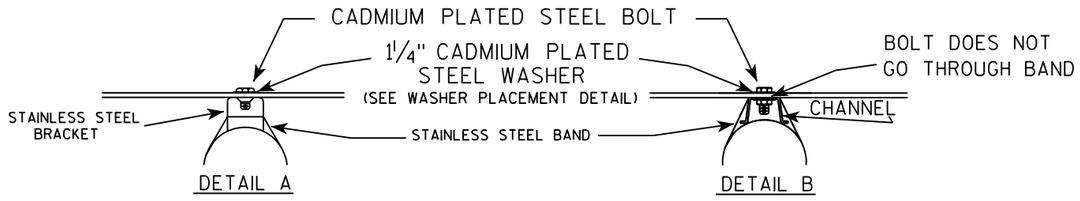
SINGLE SIGN



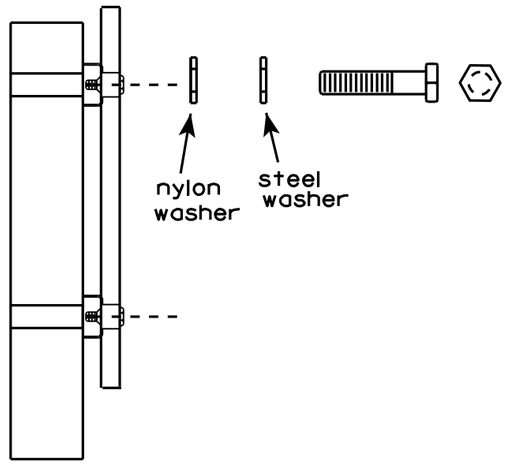


"J" ASSEMBLY





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.

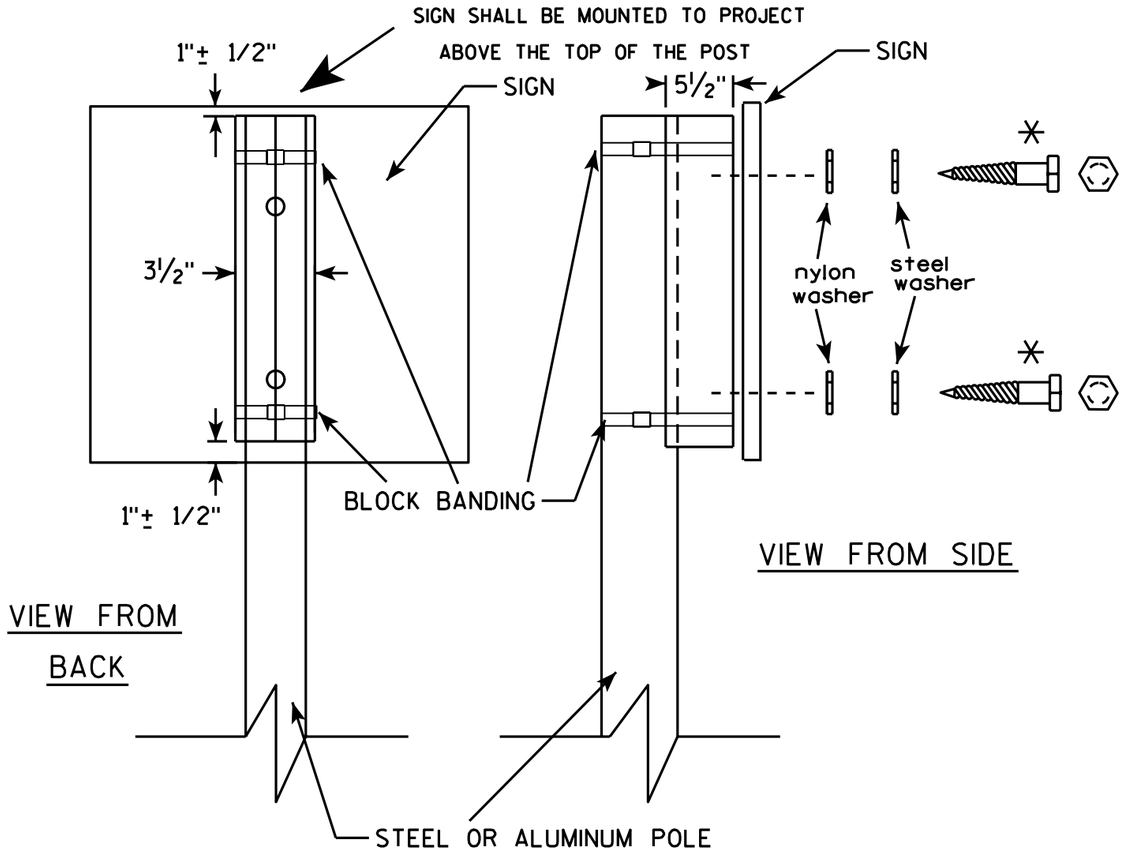
STANDARD SIGN
SIGN BANDING DETAILS

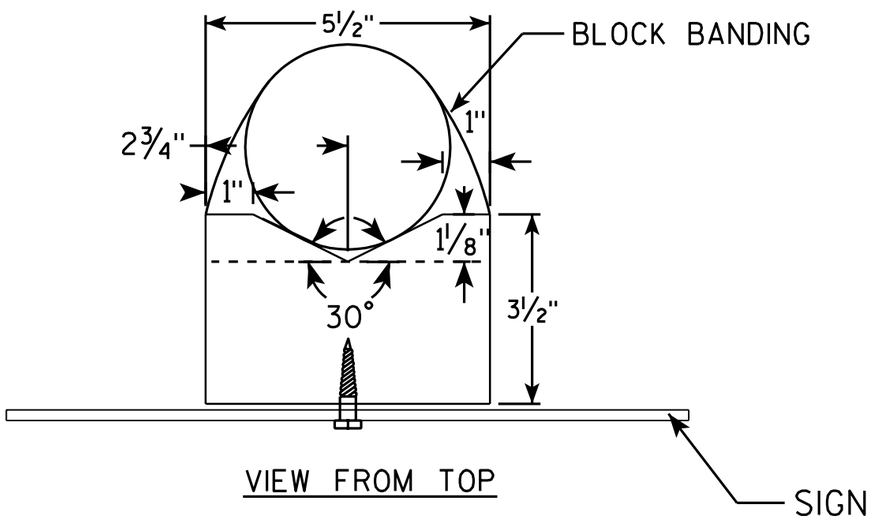
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 203	E





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:

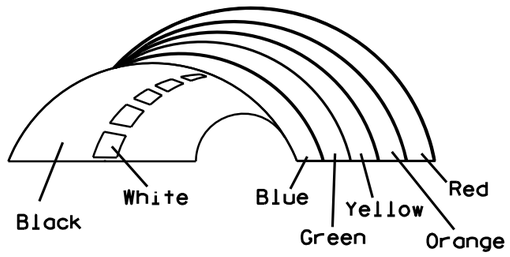
SHEET NO: 204 E



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 - (See Note 5)
3. Message Series - (See Note 6)
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. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

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	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

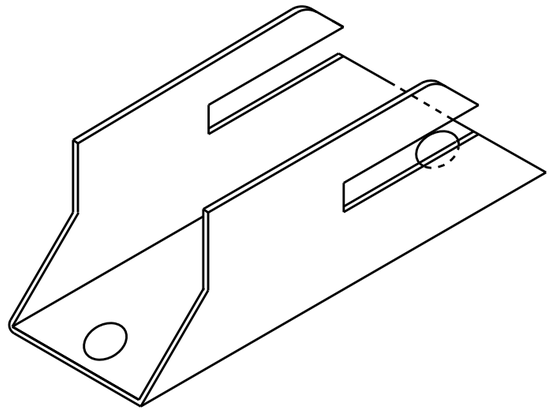
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

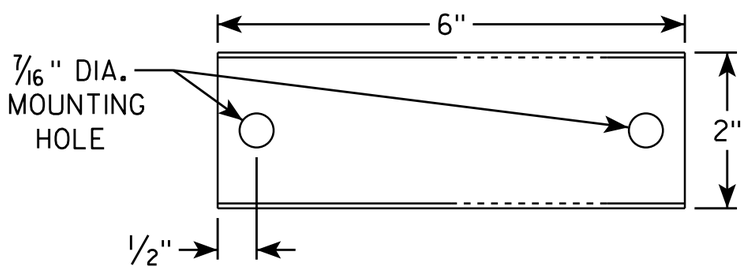
DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 205

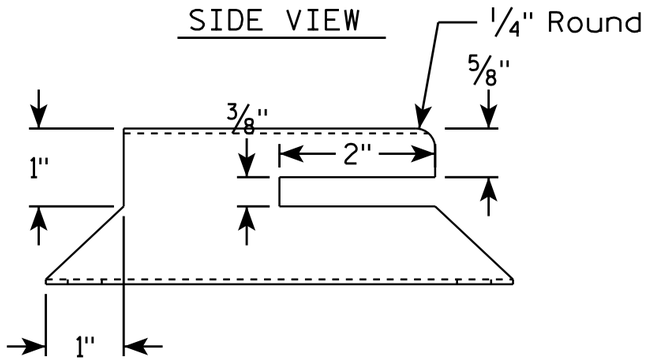
ISOMETRIC VIEW



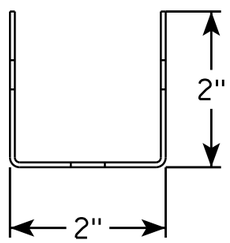
TOP VIEW



SIDE VIEW



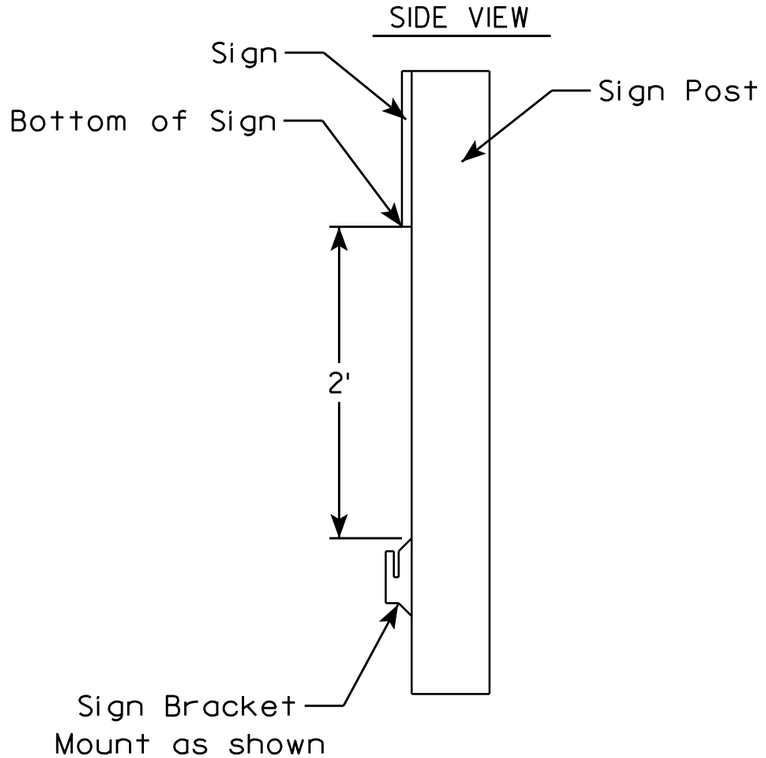
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

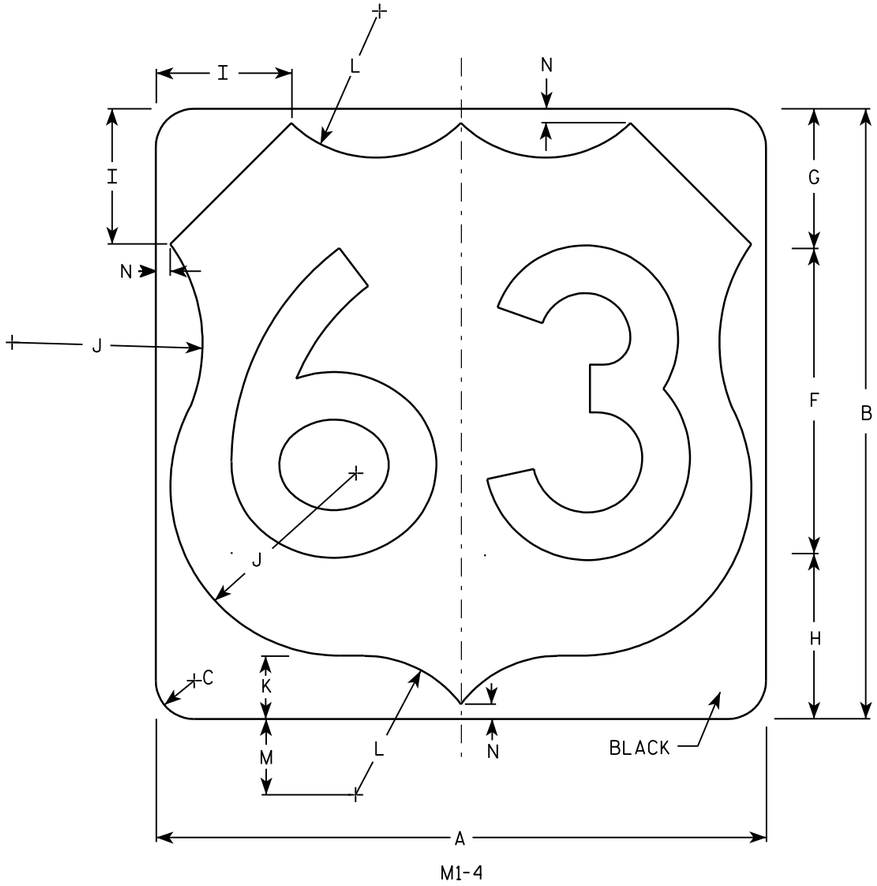
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

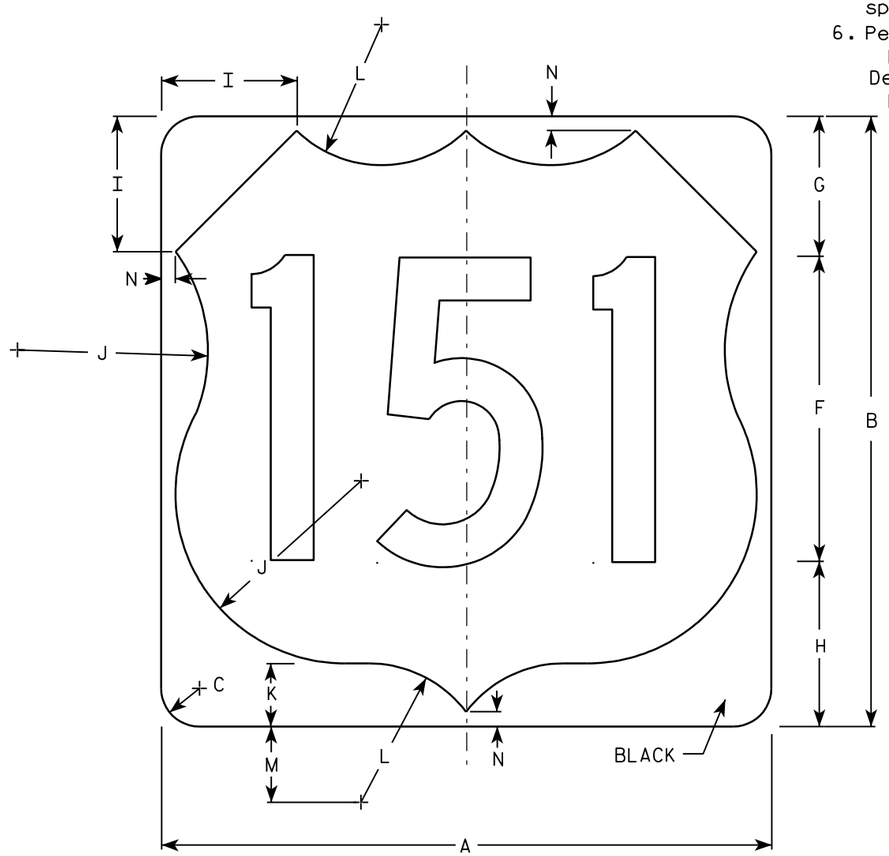
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42

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 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

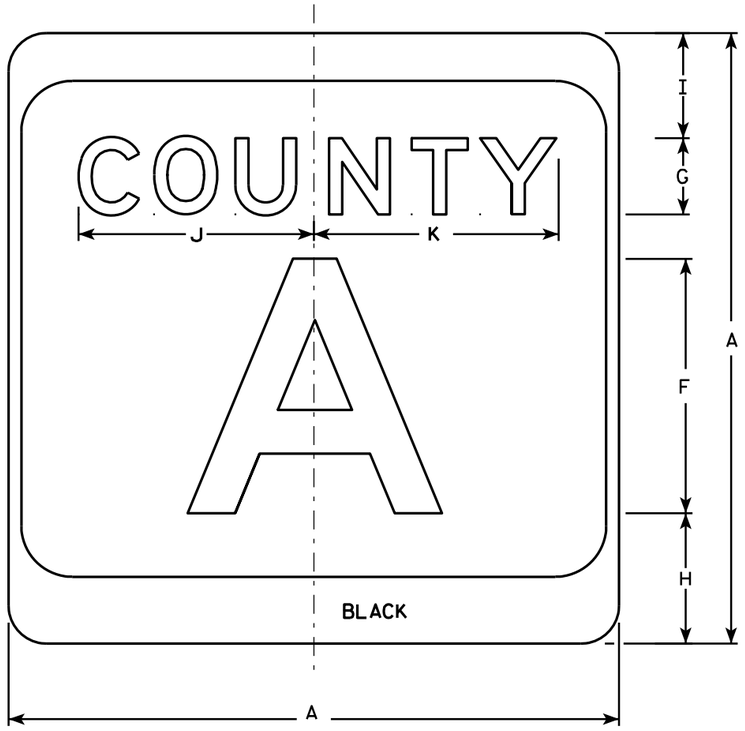
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

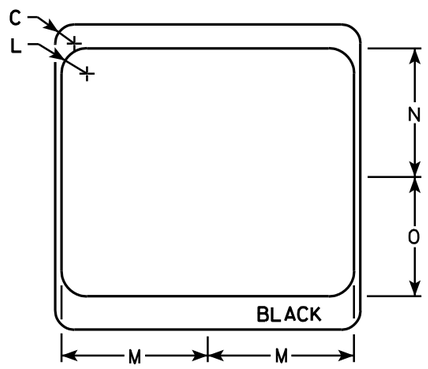
APPROVED Matthew R Rauch
for State Traffic Engineer

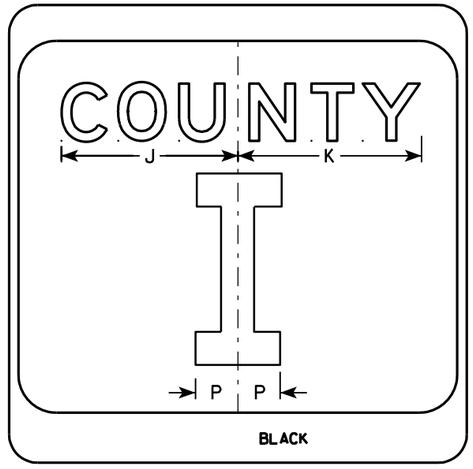
DATE 08/25/05 PLATE NO. M1-4.9

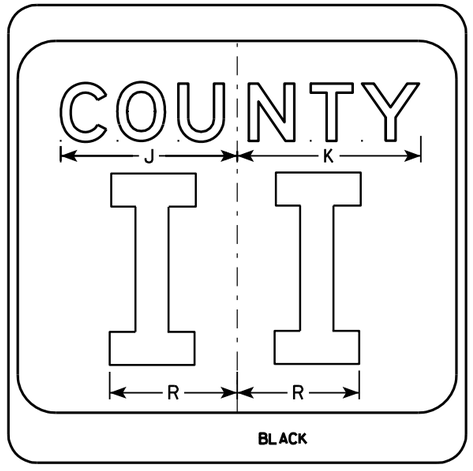
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 207	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

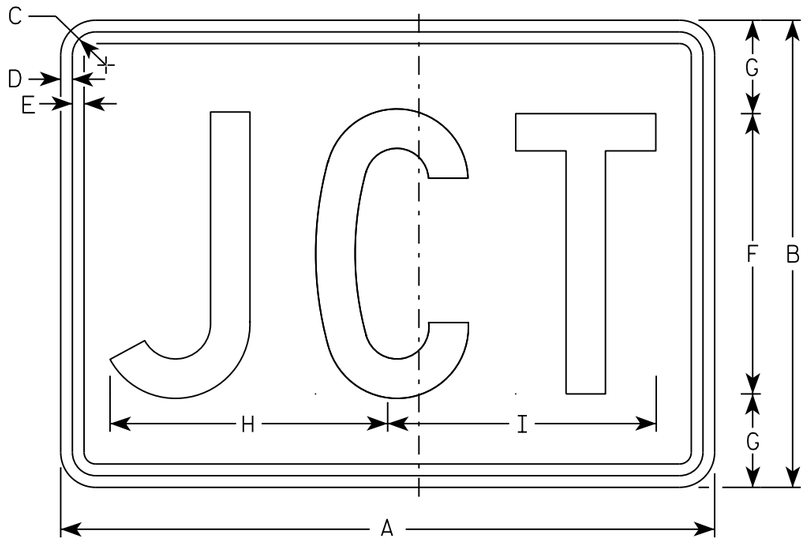
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

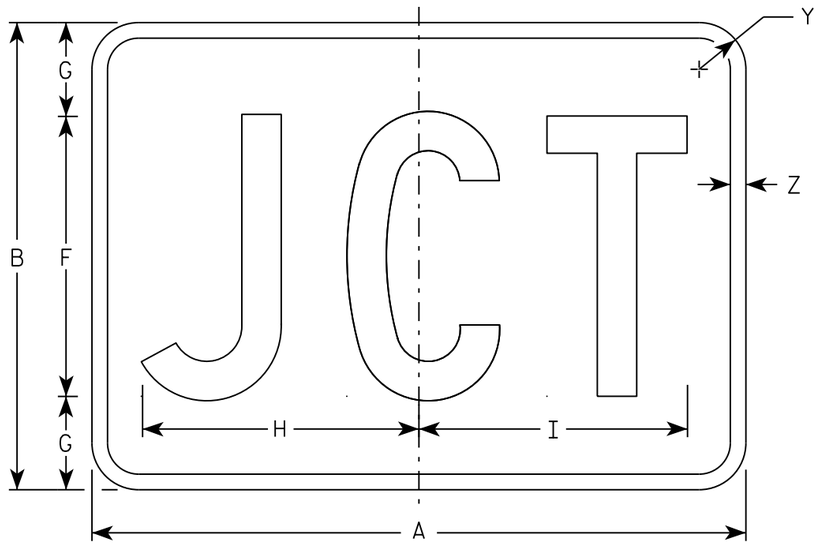
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 208	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is 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. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

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	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

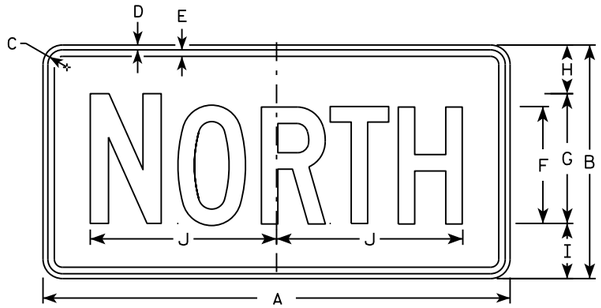
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

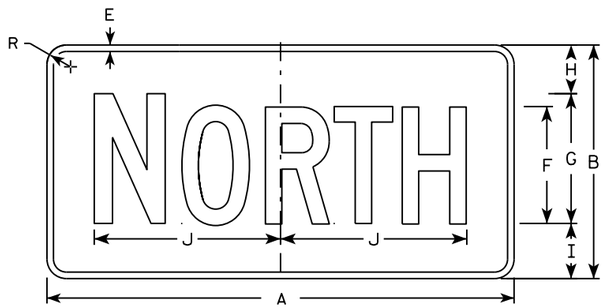
DATE 10/15/15 PLATE 209 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



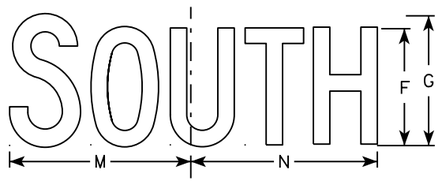
MB3-1
MK3-1
MN3-1



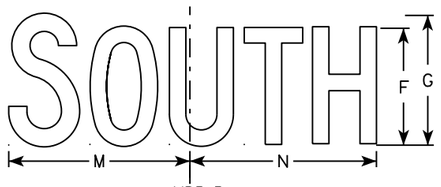
M3-2
MM3-2
MP3-2



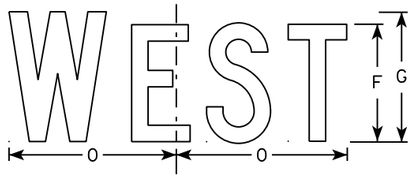
MB3-2
MK3-2
MN3-2



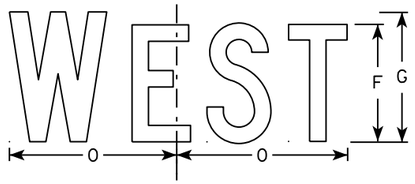
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

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
   MP3-1 thru MP3-4 Background - White
   Message - Blue
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

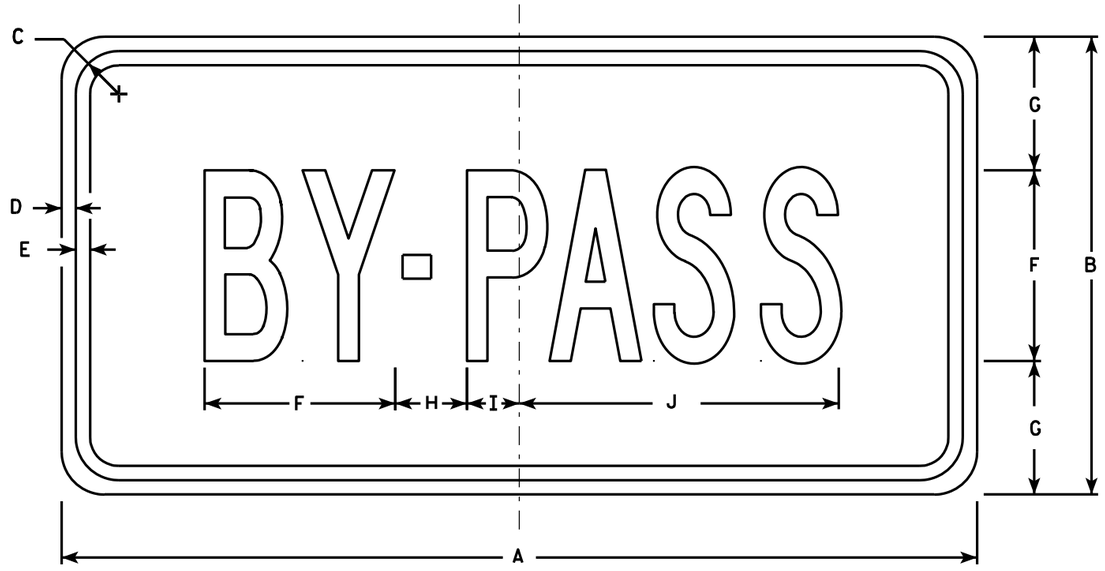
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

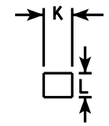
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-2

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 - B
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.



Hyphen

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	5	3 1/2	1 7/8	1 3/8	8 3/8	3/4	5/8															2.0
3	36	18	1 1/8	3/8	1/2	8	5	5 3/8	1 1/8	14 5/8	1 1/4	1															4.5
4																											
5																											

STANDARD SIGN
M4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-2.4

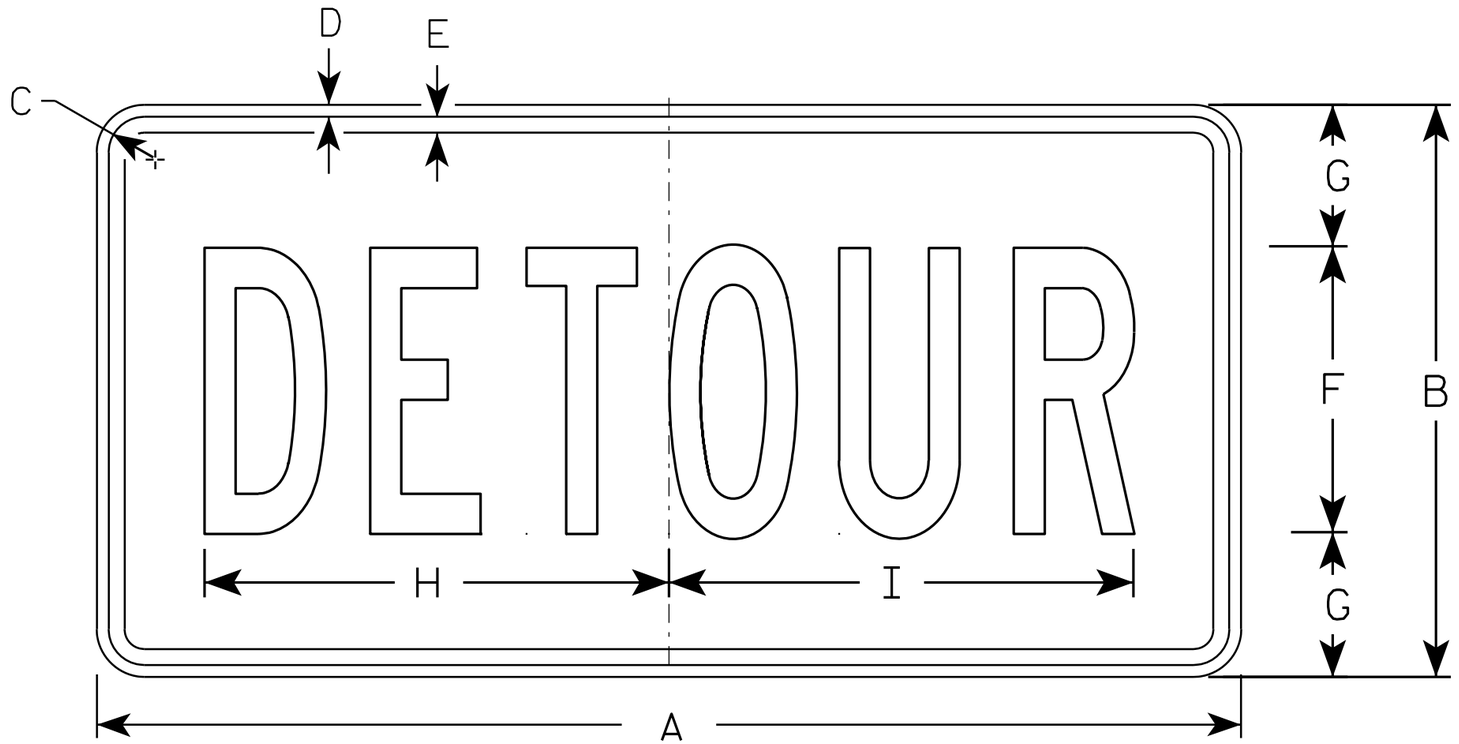
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 211	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M42.DGN PLOT DATE : 10-NOV-2010 10:33 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 3.972696:1.000000

WISDOT/CADDS SHEET 42

7

7



M4-8

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 - B
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																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

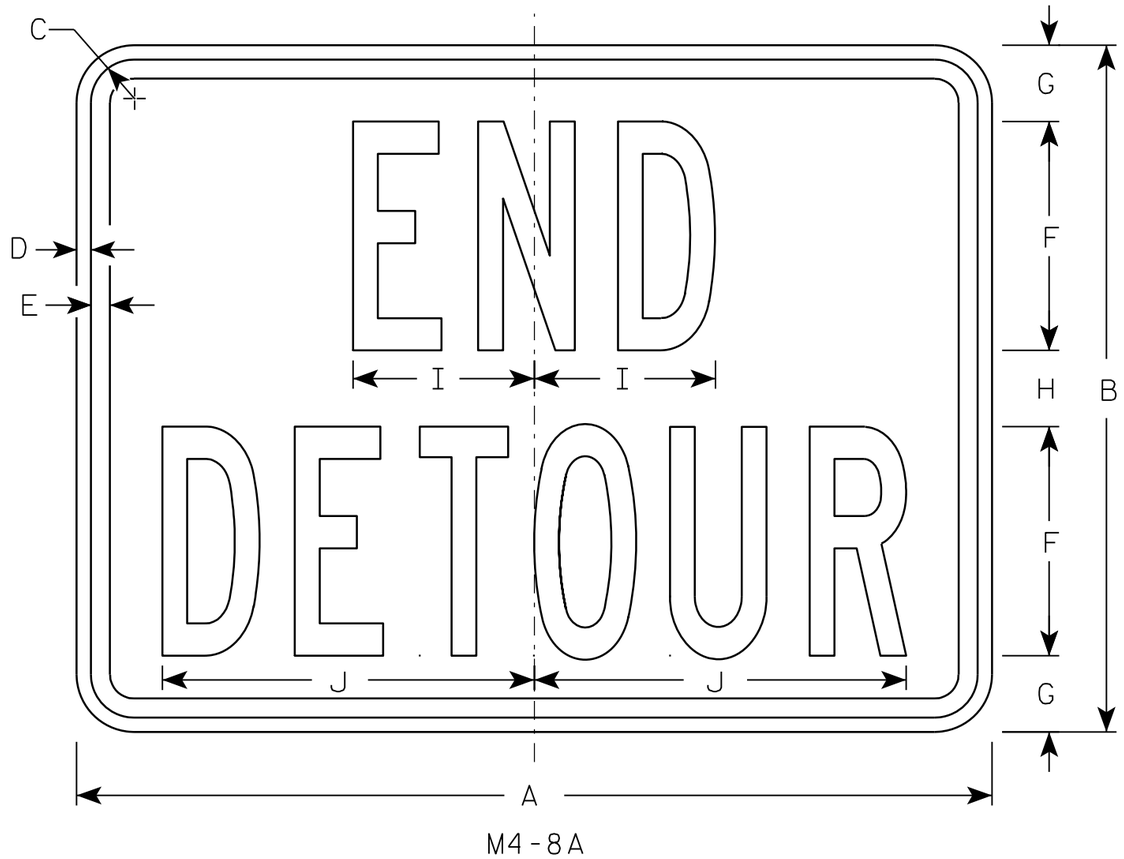
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 212	E



M4-8A

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 - B
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																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

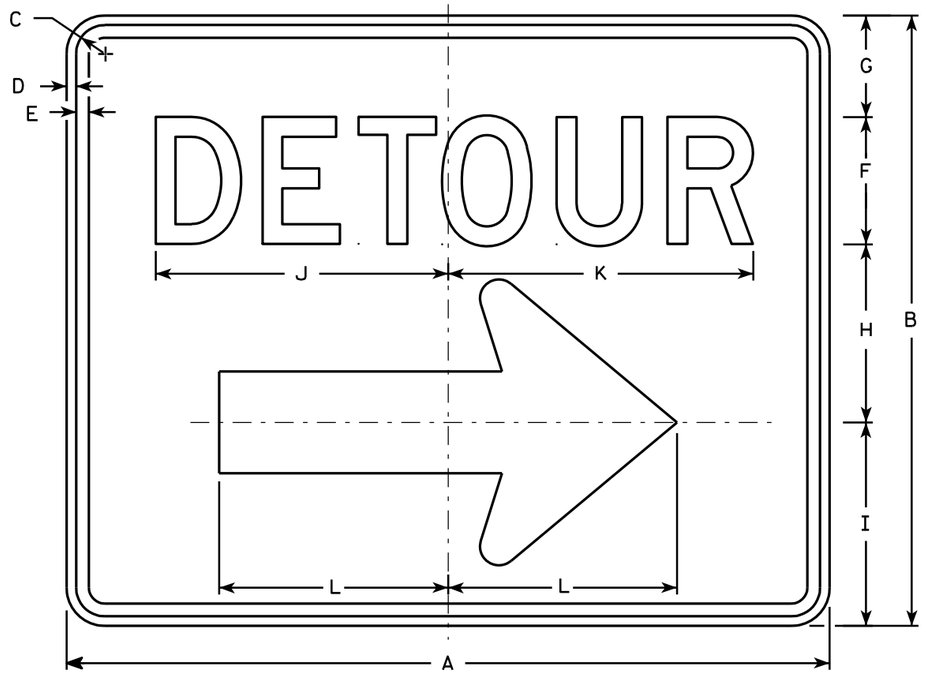
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

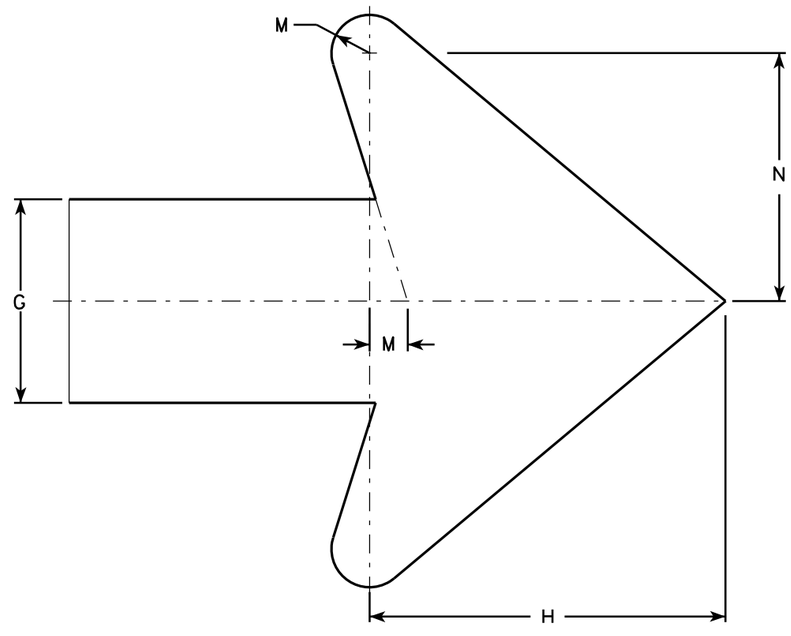
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 213	E



M4-9R

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 - 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. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

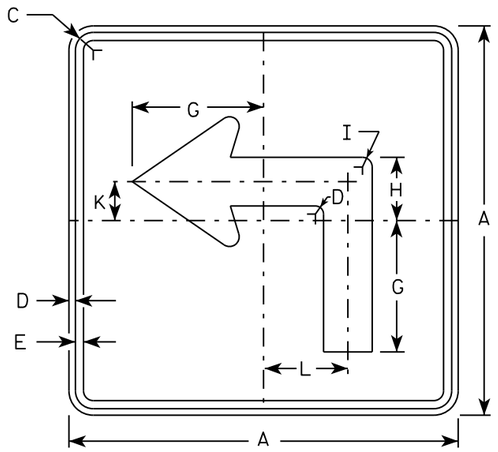
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

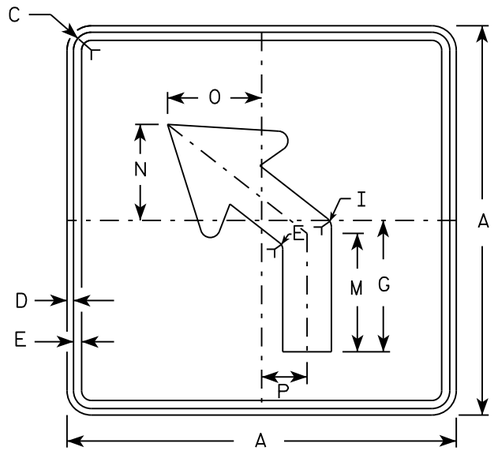
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

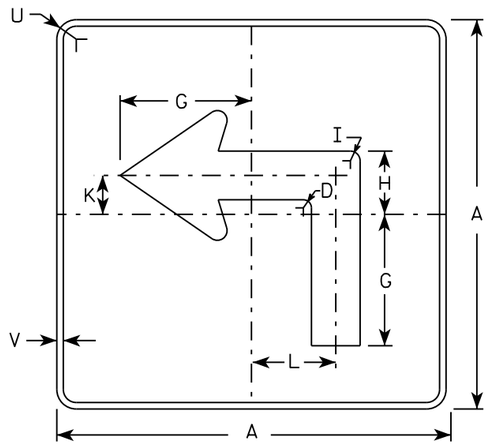
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 | E



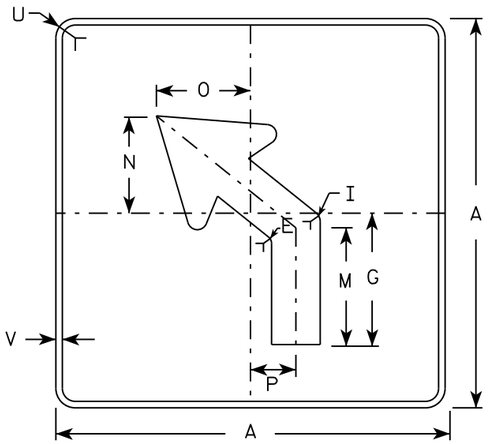
M5-1L
MM5-1L
MO5-1L
MP5-1L



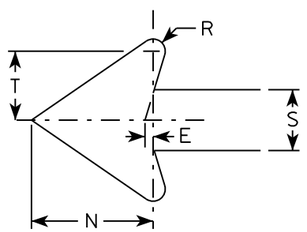
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective 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. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   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
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 7/8	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 7/8	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 7/8	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

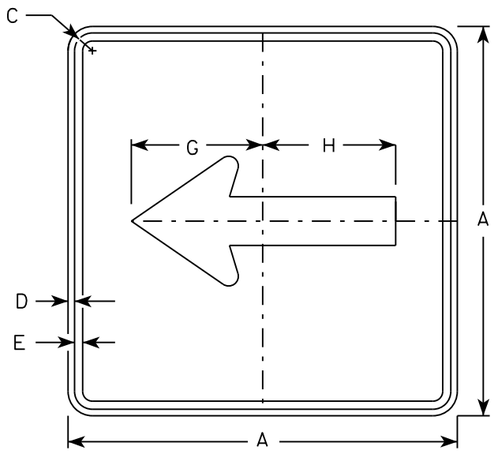
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

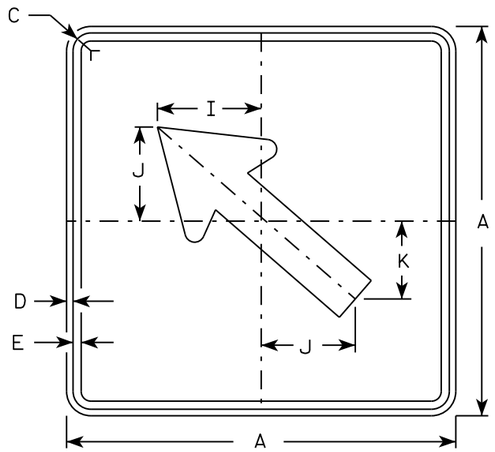
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



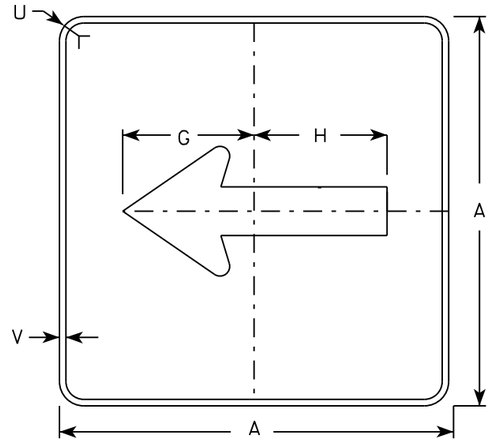
M6-1
MM6-1
MO6-1
MP6-1



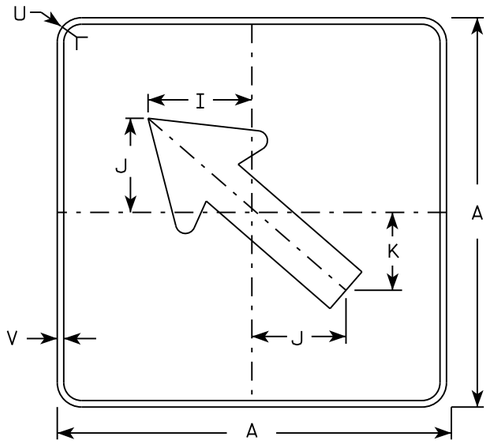
M6-2
MM6-2
MO6-2
MP6-2

NOTES

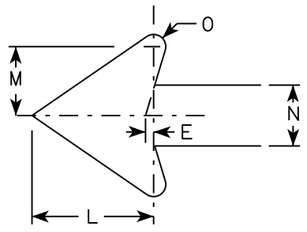
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   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
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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

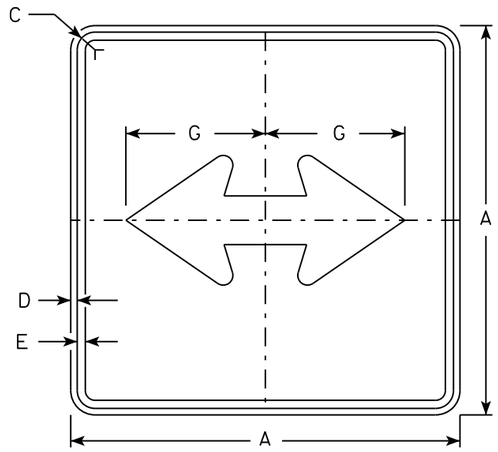
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

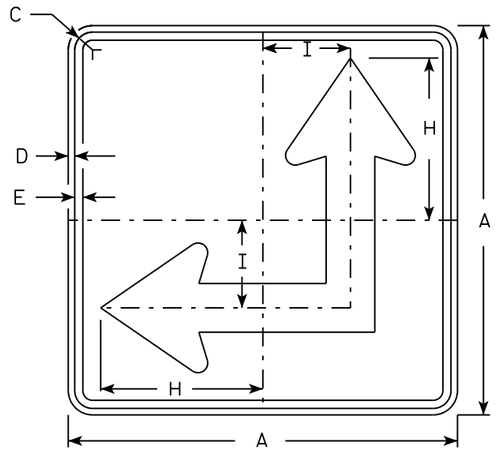
DATE 10/15/15 PLATE 216 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



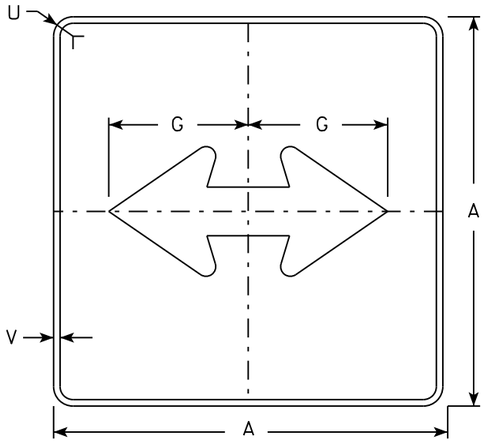
M6-4
MM6-4
MO6-4
MP6-4



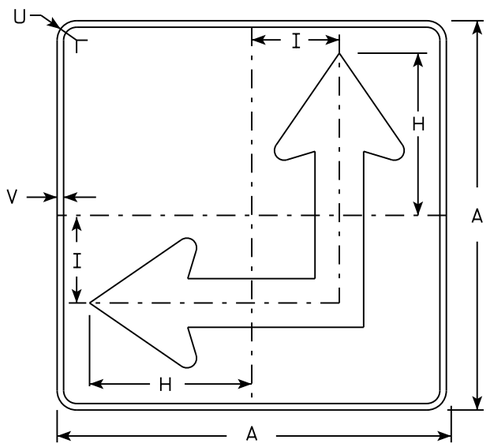
M6-6
MM6-6
MO6-6
MP6-6

NOTES

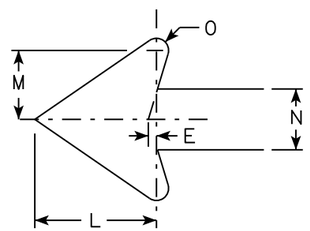
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



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	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

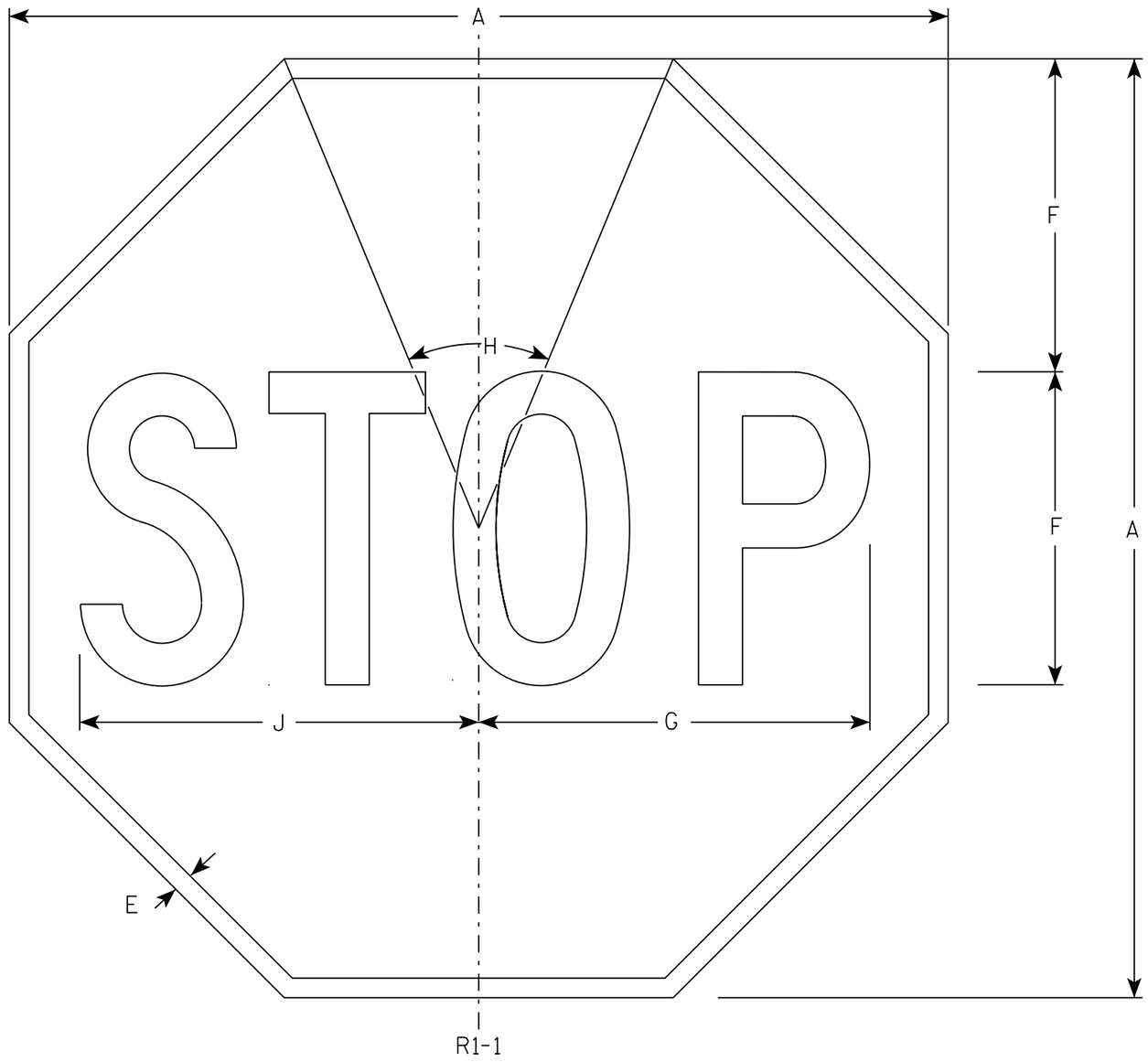
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 217 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

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	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

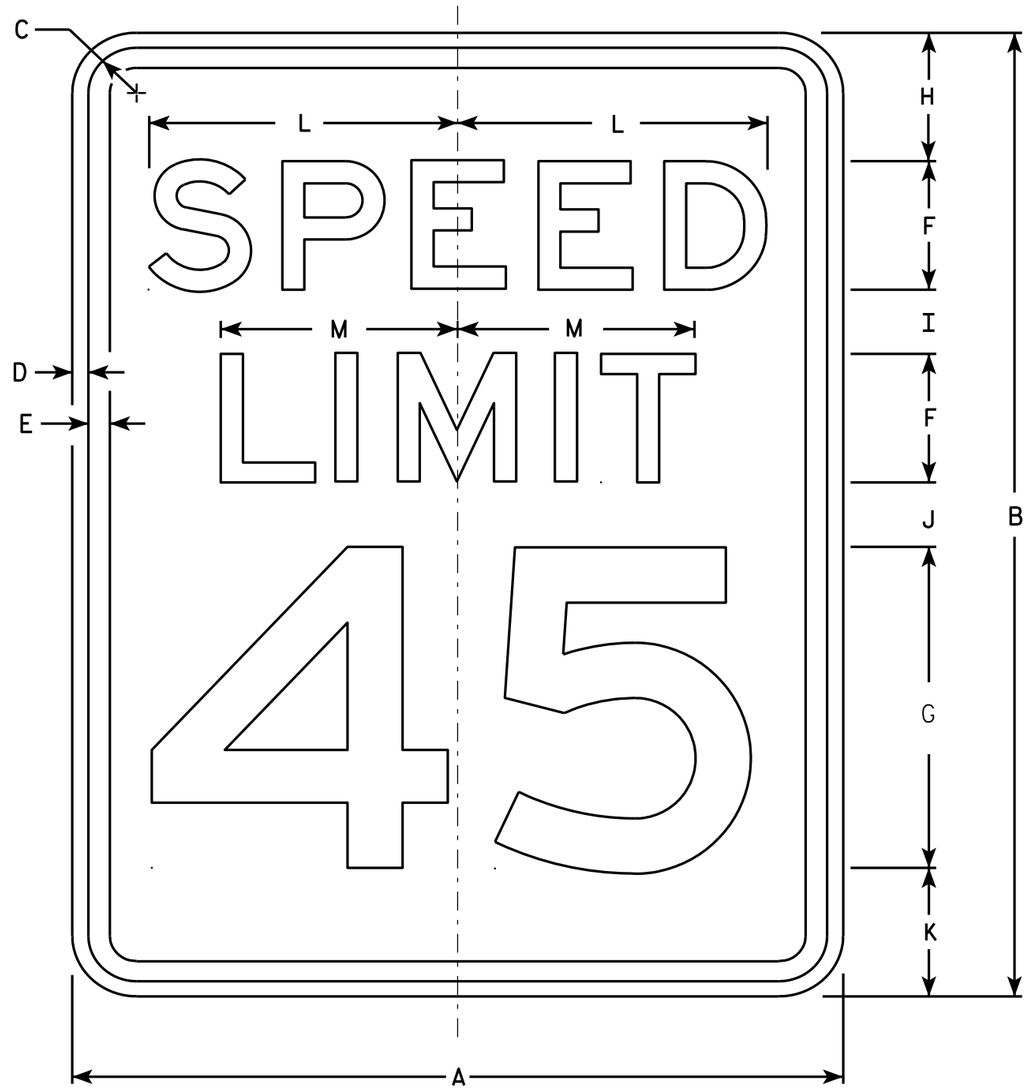
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E



R2-1

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 - 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. Substitute appropriate numerals and optically adjust spacing 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	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

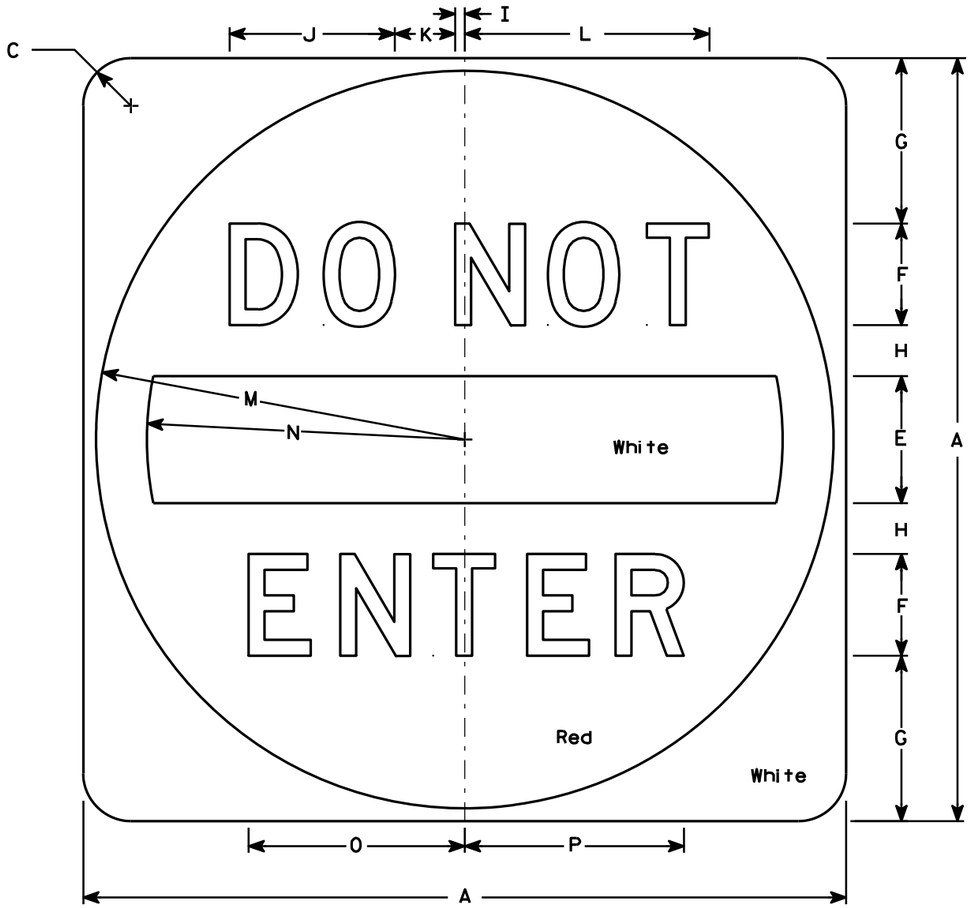
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors 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	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

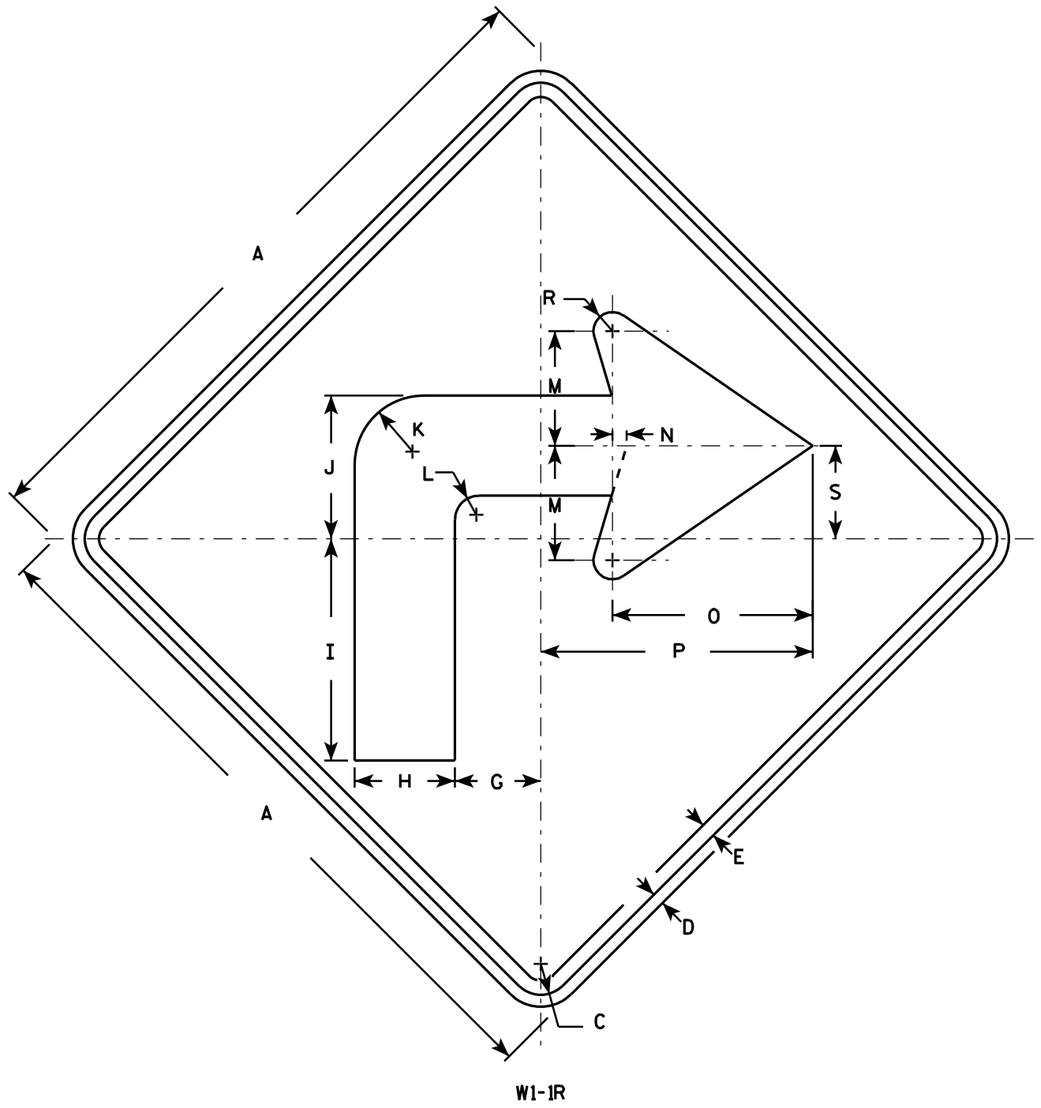
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 220 | E



W1-1R

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. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

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		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

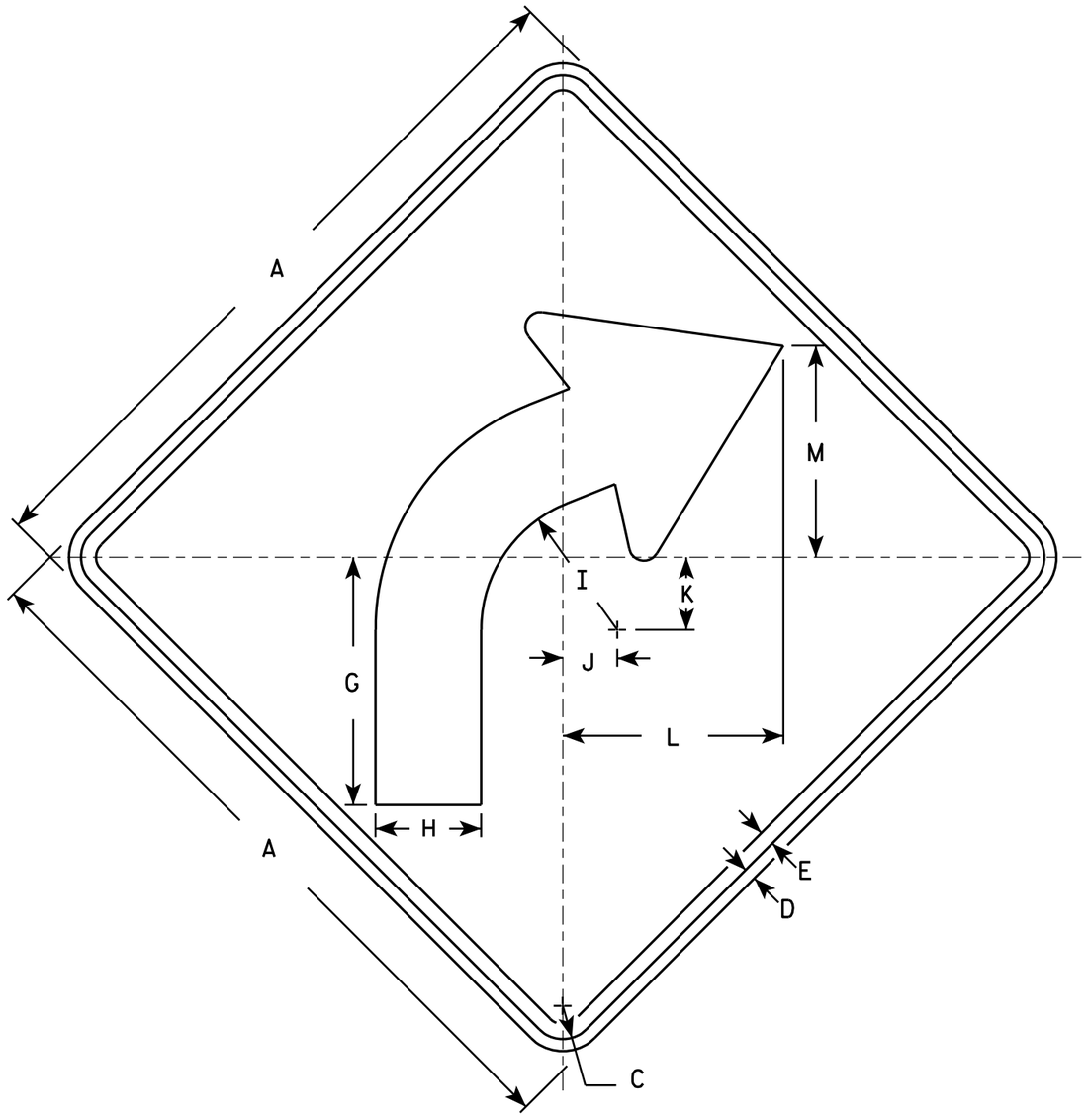
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

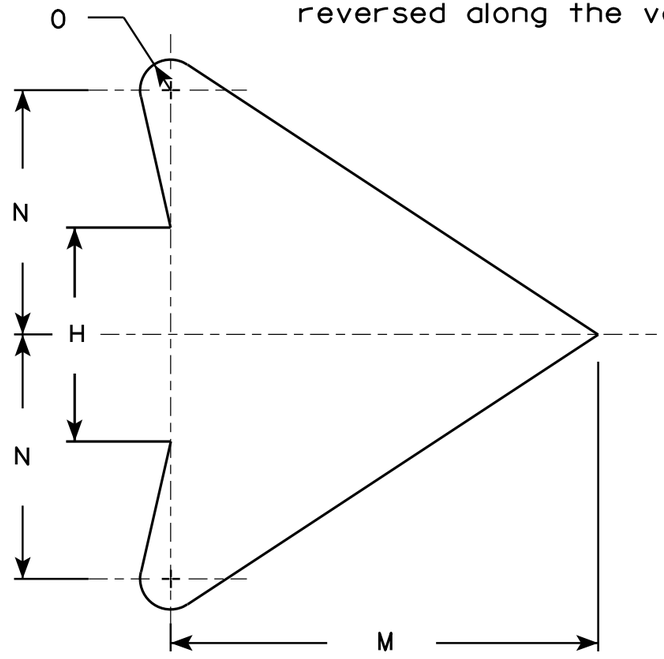
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 221 | E

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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

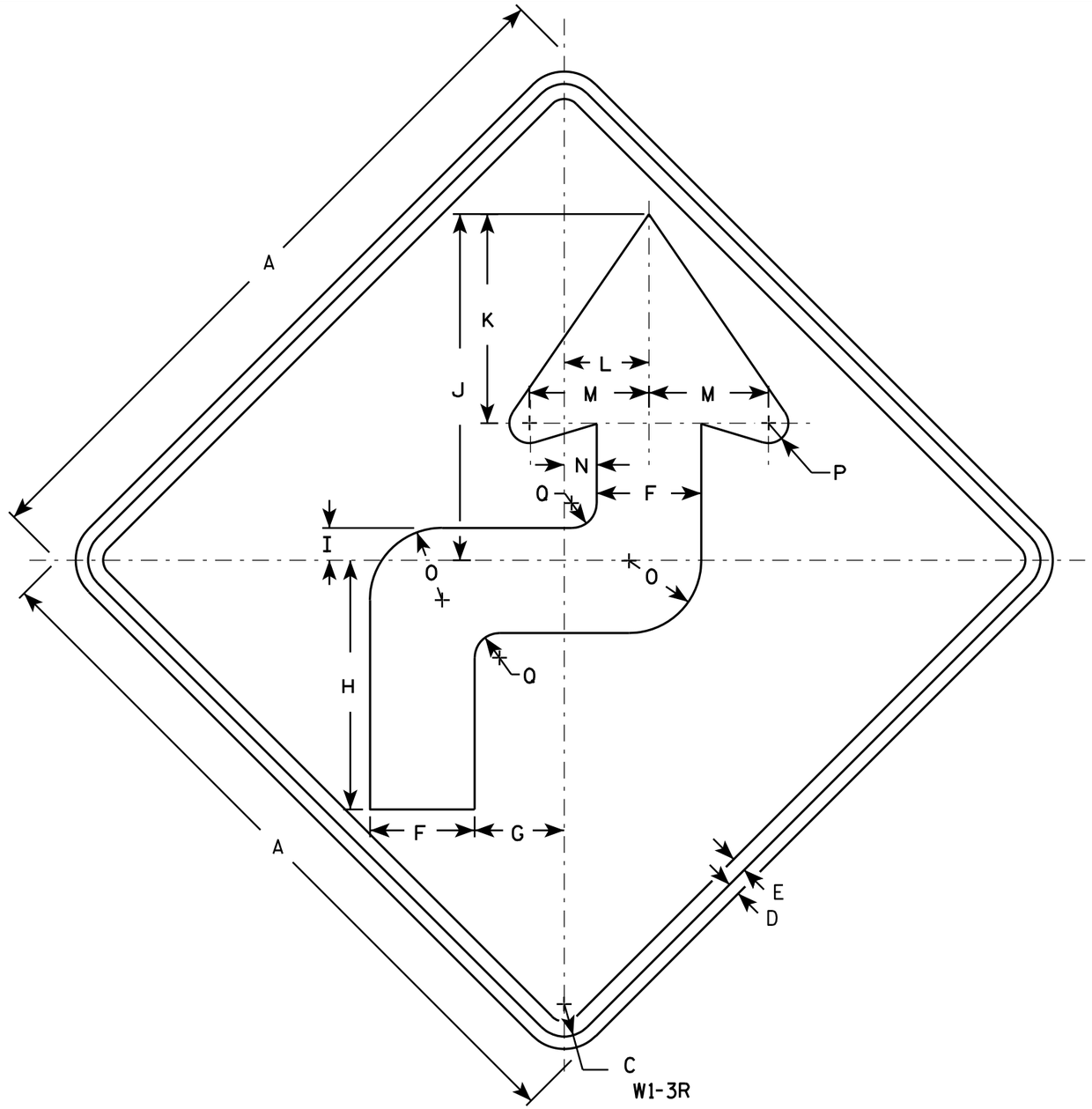
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E



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. W1-3L is the same as W1-3R except the arrow is reversed along the vertical centerline.

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	3 1/2	3	8 3/8	1 1/8	11 5/8	7	2 3/4	4	1 1/8	2 1/2	5/8	7/8										4.0
2S	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2M	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
3	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
4	36		1 5/8	5/8	3/4	5 1/4	6	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

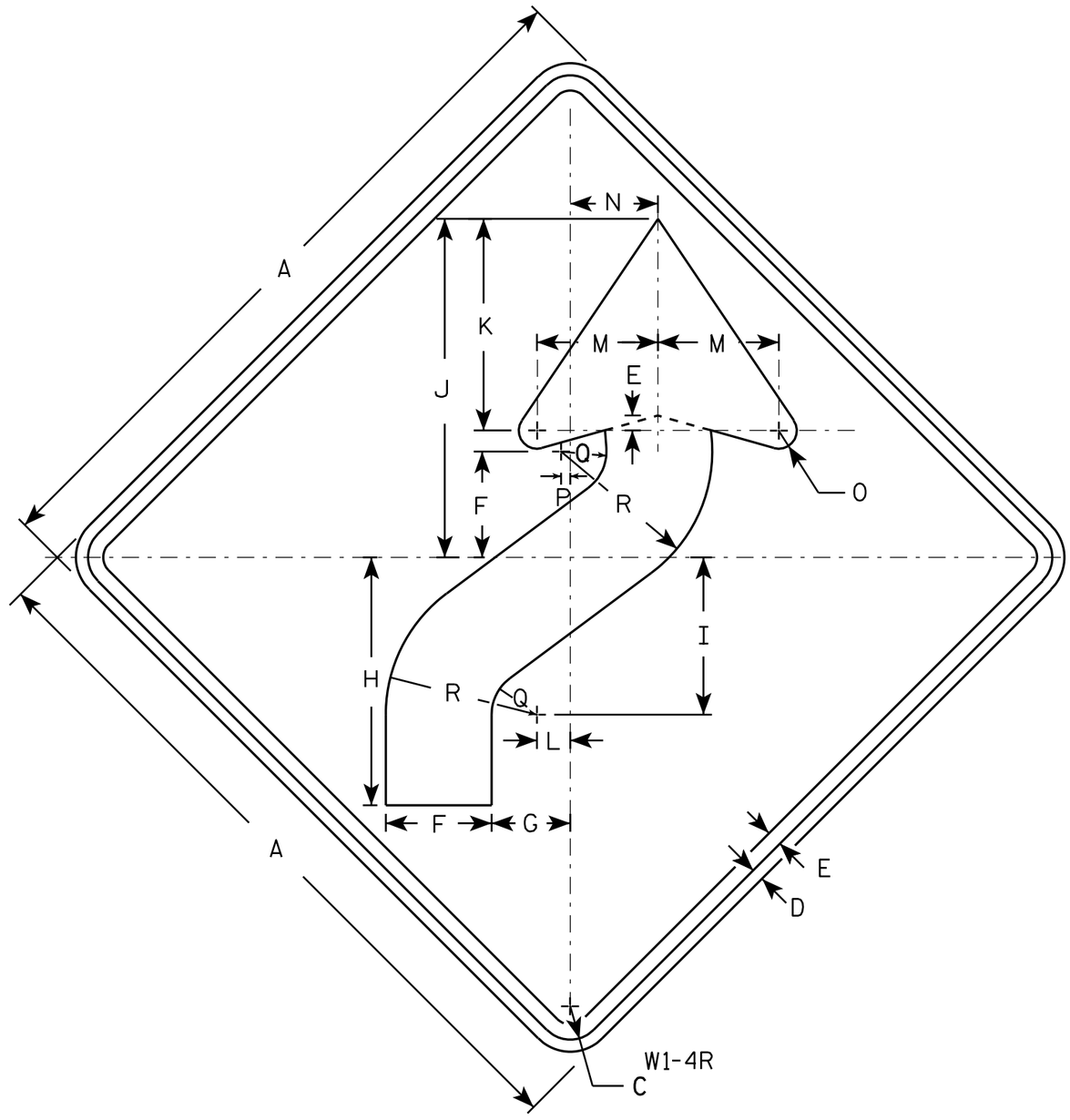
STANDARD SIGN
W1-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 223 | E



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. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

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	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN

W1-4

WISCONSIN DEPT OF TRANSPORTATION

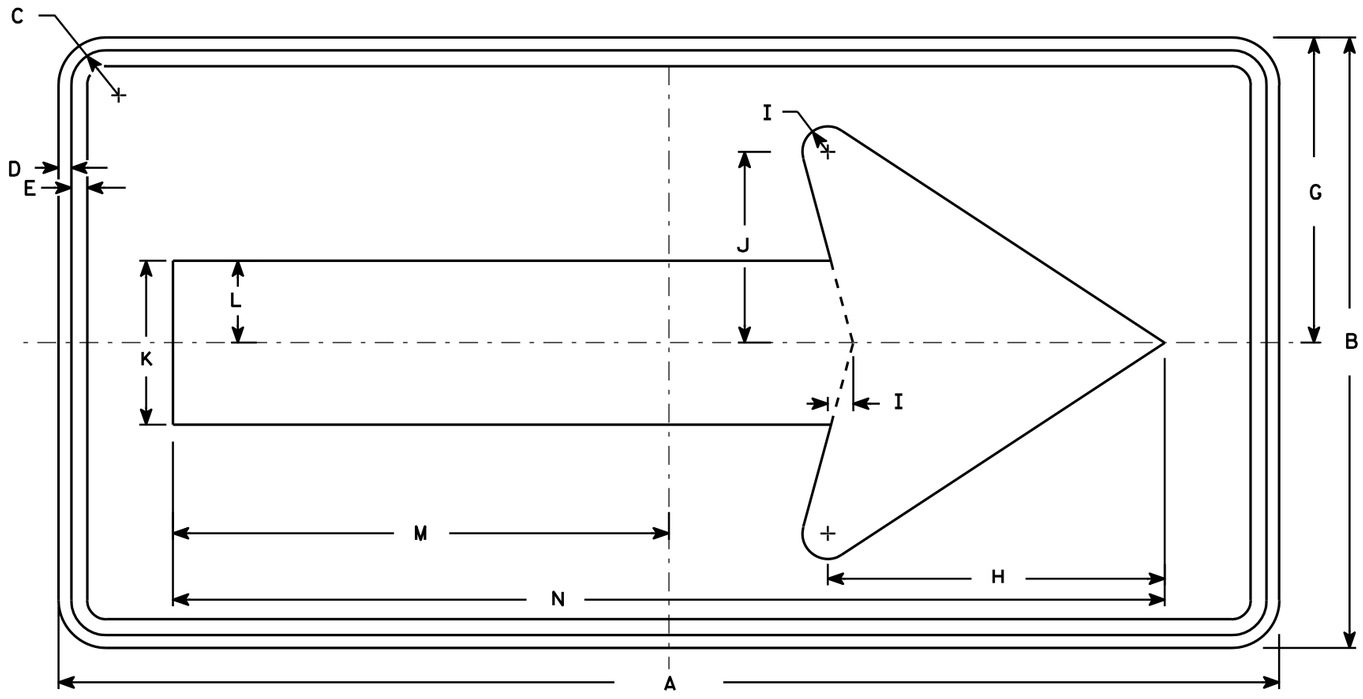
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E

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.



W1-6

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	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

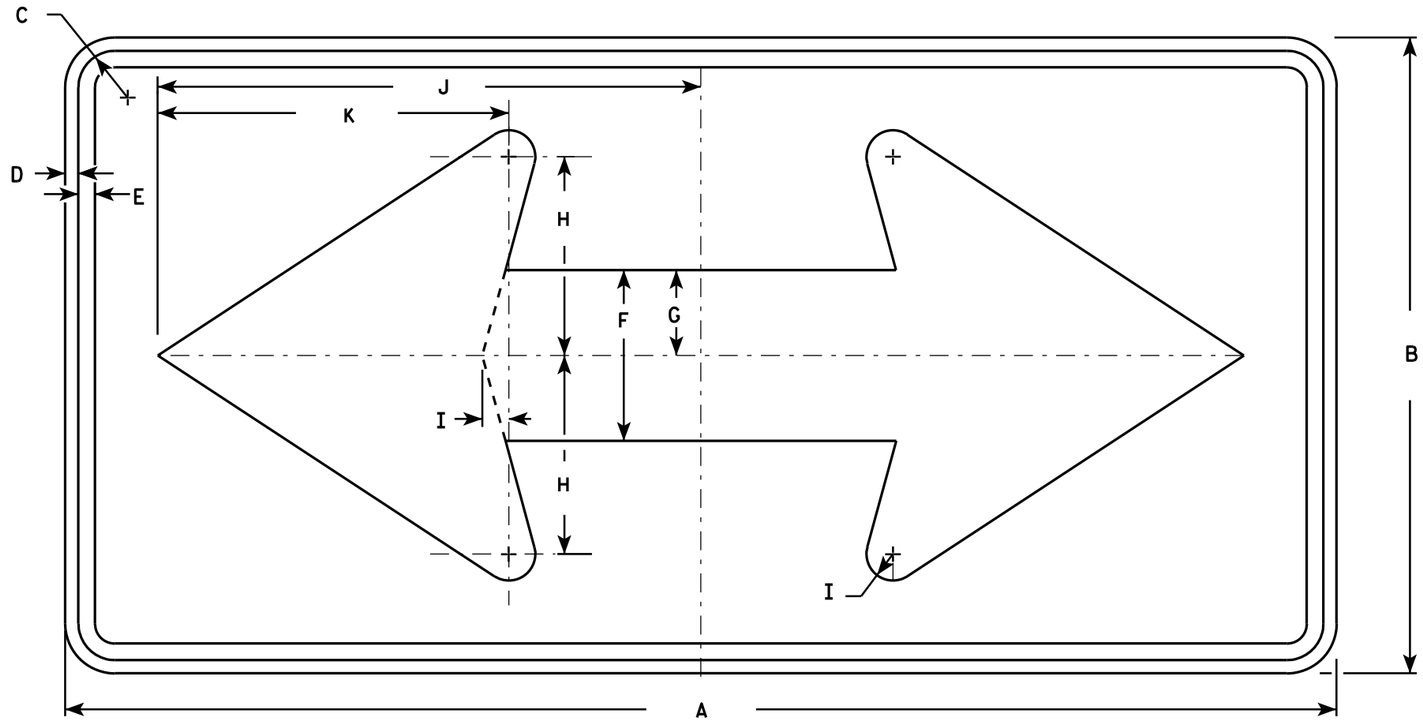
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 225



W1-7

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.

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	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

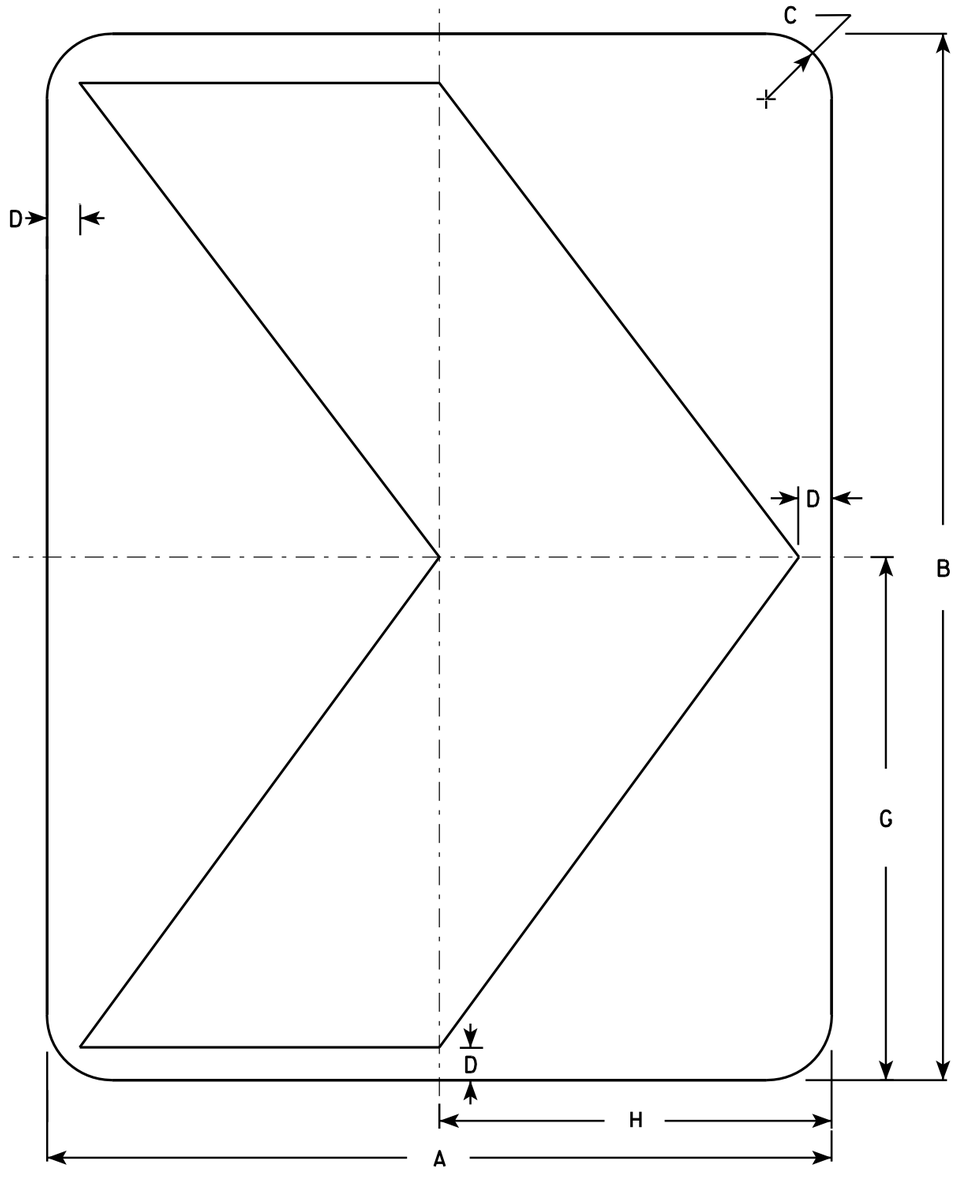
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 226 | E



W1-8

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.

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	12	18	1 ½	½			9	6																			1.5
2S	18	24	1 ½	¾			12	9																			3.0
2M	18	24	1 ½	¾			12	9																			3.0
3	24	30	1 ½	1			15	12																			5.0
4	30	36	1 ⅞	1 ¼			18	15																			7.5
5	36	48	2 ¼	1 ½			24	18																			12.0

STANDARD SIGN
W1-8

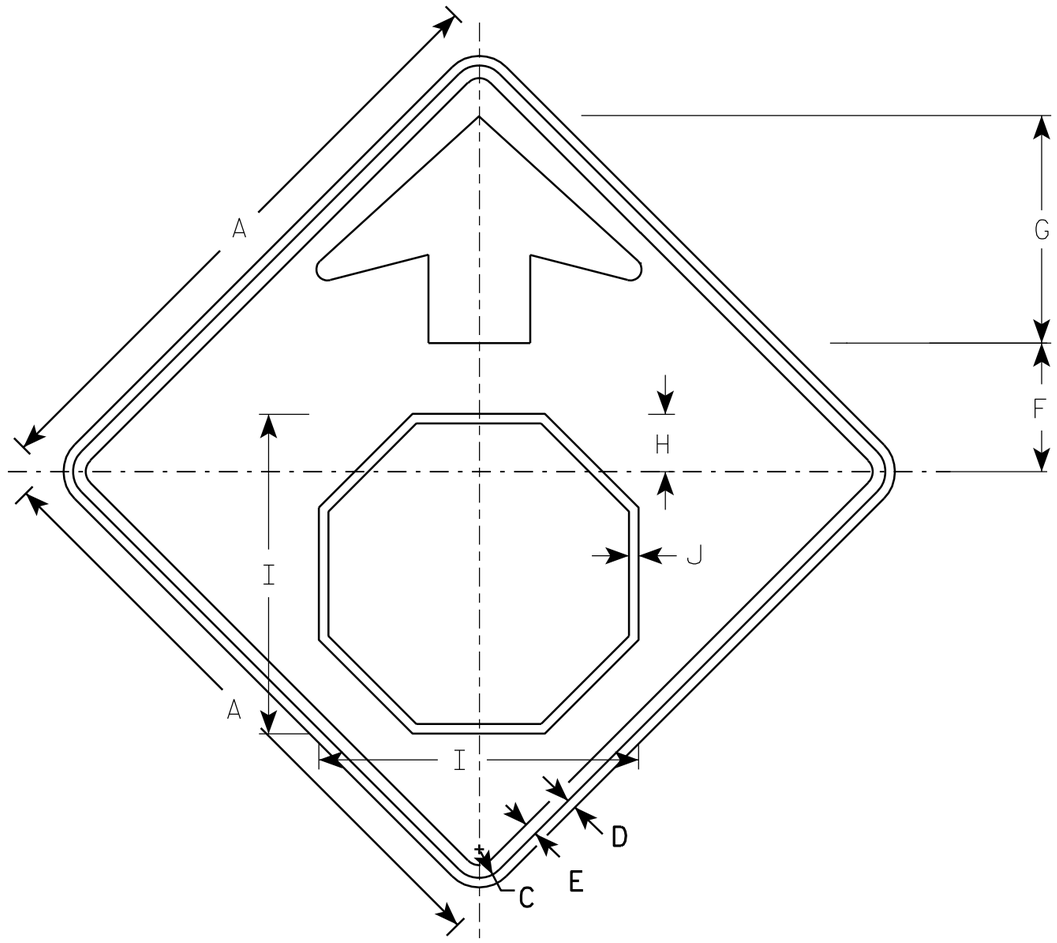
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

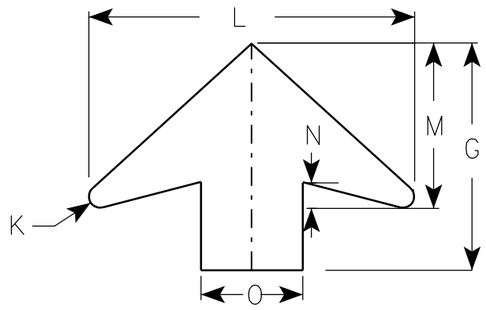
SHEET NO: 227 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

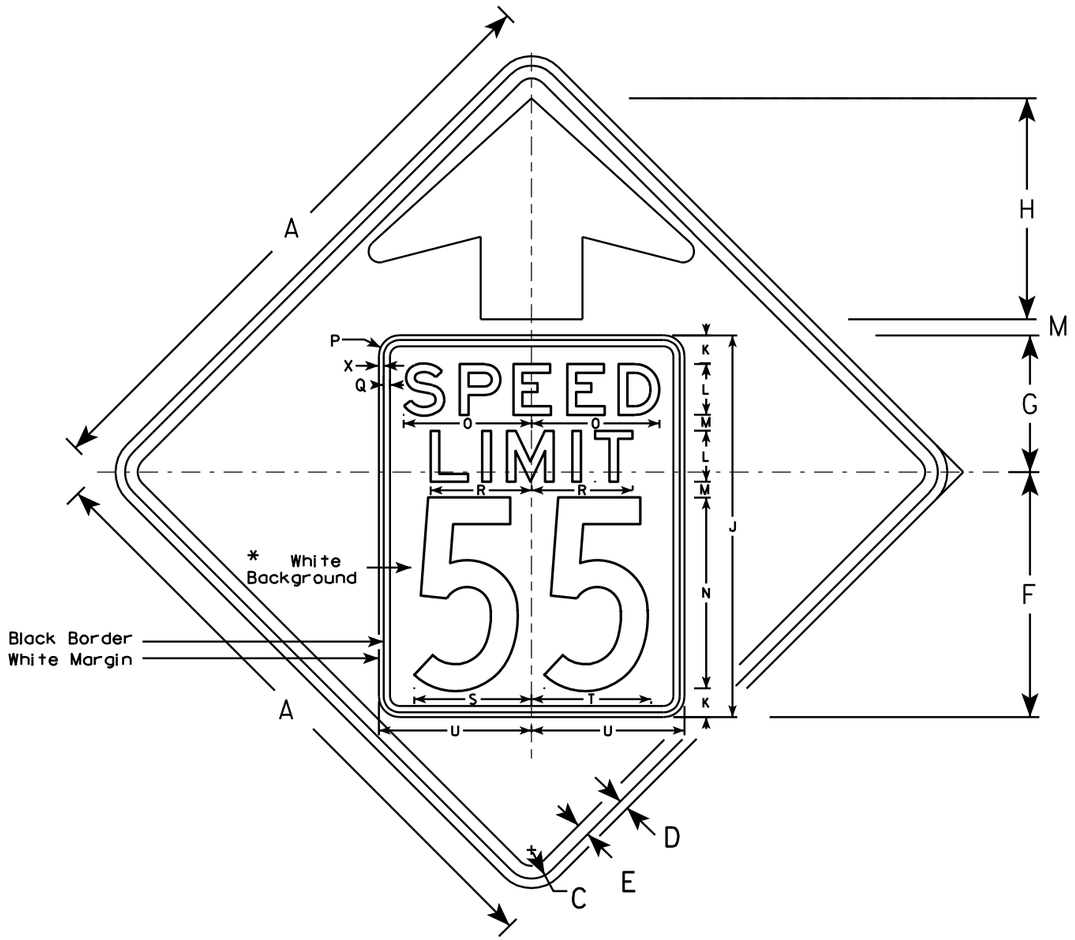
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 228 E

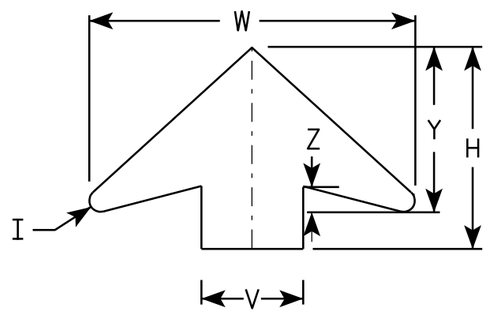


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



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	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

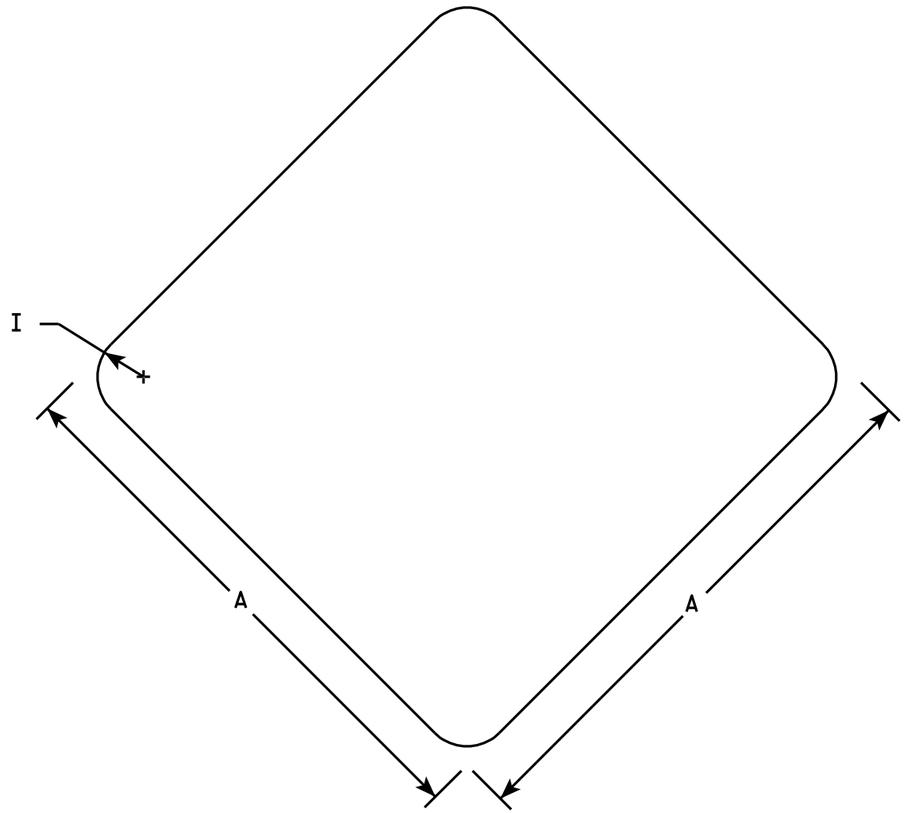
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 229 E



W5-56

NOTES

1. Sign is Type II - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

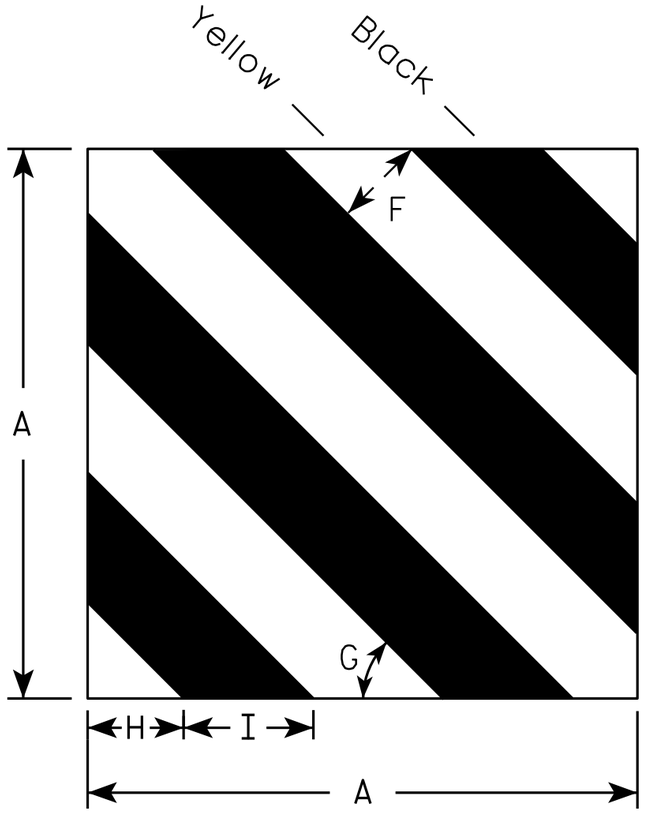
STANDARD SIGN
W5-56

WISCONSIN DEPT OF TRANSPORTATION

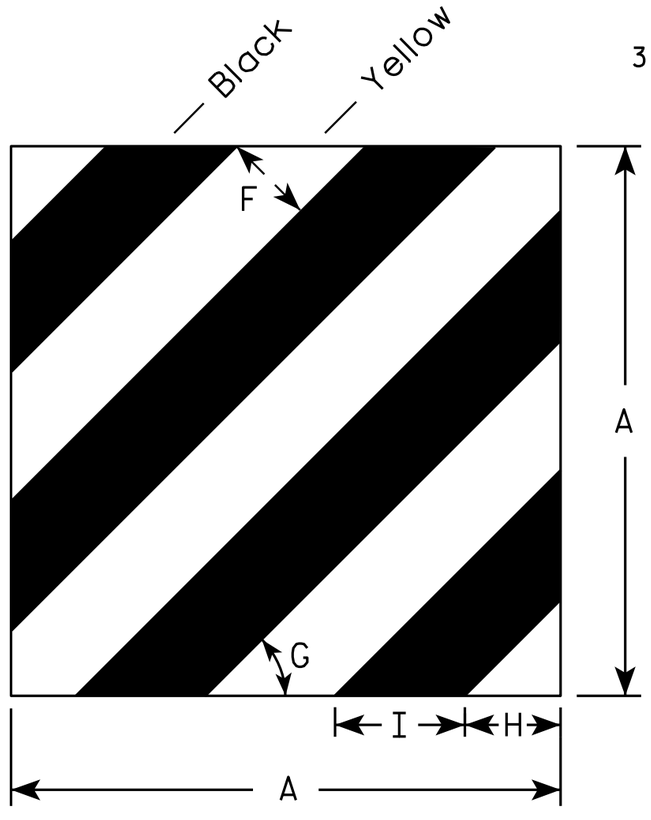
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. W5-56.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



W5-59L



W5-59R

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. Base material is to be .040 sheet aluminum.

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	12					3	45°	3 1/8	4 1/4																		1.00
2S	18					3	45°	3 1/8	4 1/4																		2.25
2M	18					3	45°	3 1/8	4 1/4																		2.25
3																											
4																											
5																											

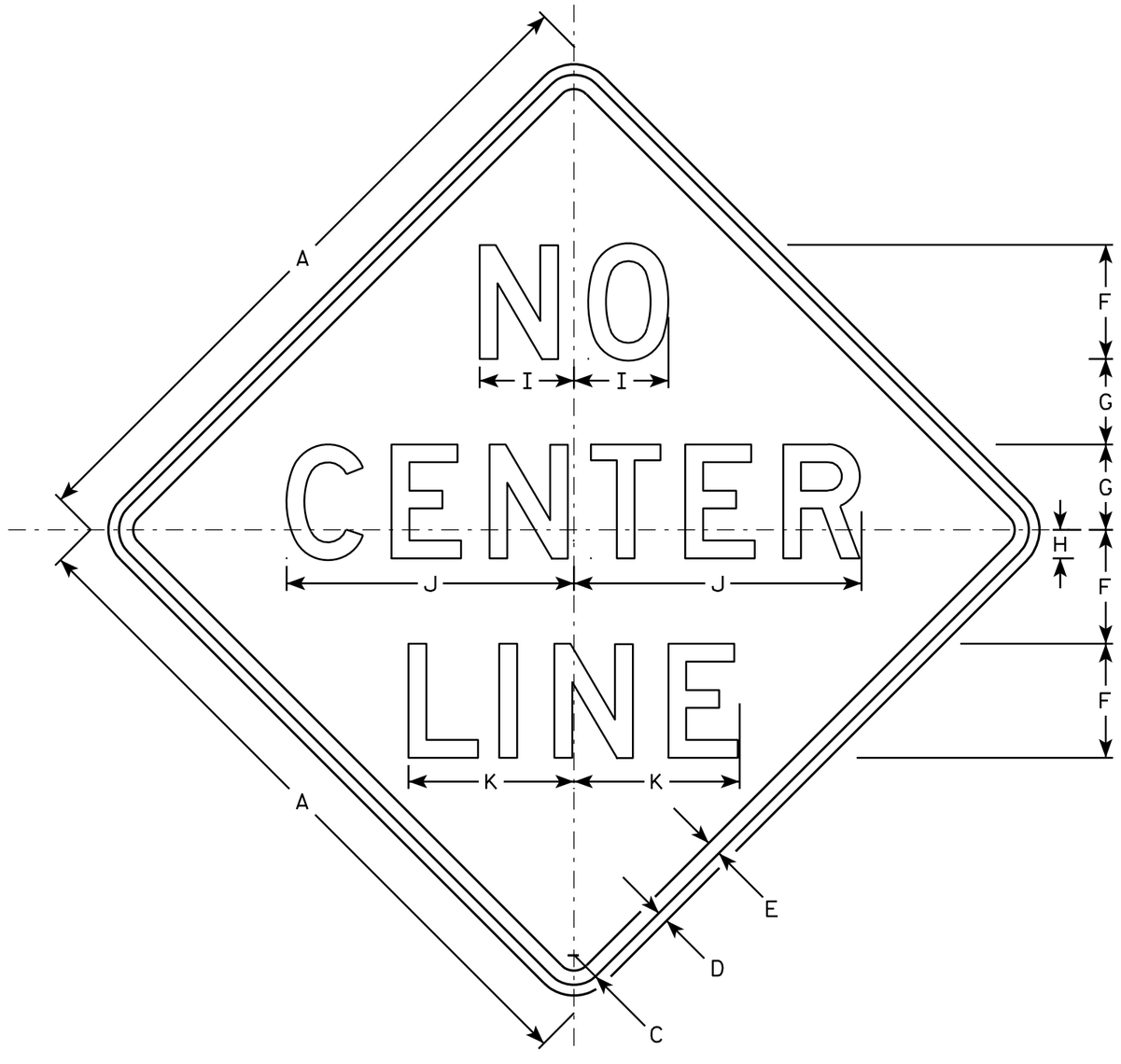
STANDARD SIGN
W5-59L & W5-59R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/31/12 PLATE NO. W5-59.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 231	E



W8-12

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 - 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.

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	36		1 5/8	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9																9.0
2M	36		1 5/8	5/8	3/4	6	4 1/2	1 1/2	5 1/8	16	9																9.0
3	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
4	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0
5	48		2 1/4	3/4	1	8	6	2	6 5/8	20 1/4	11 5/8																16.0

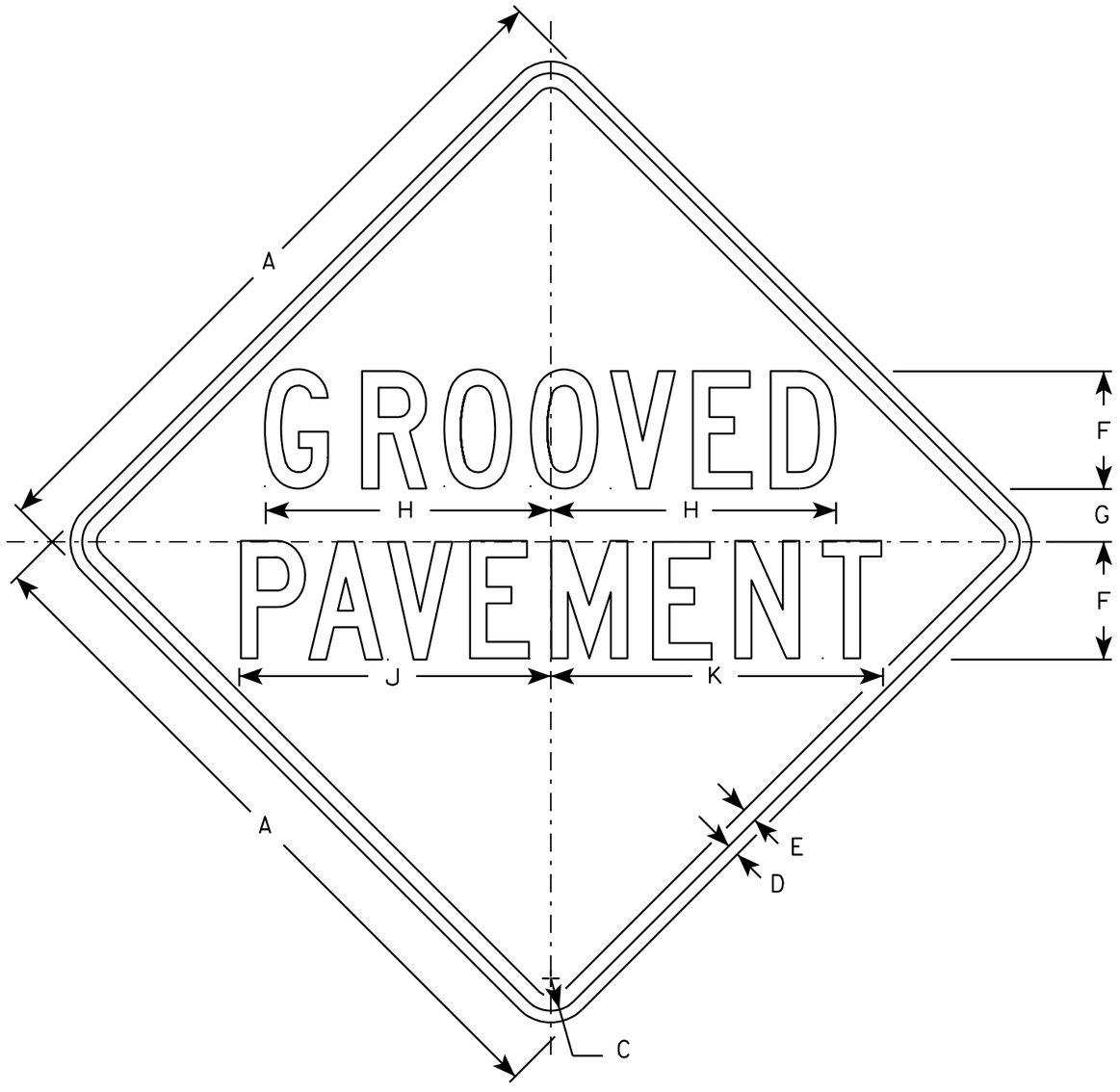
STANDARD SIGN
W8-12

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rausch
for State Traffic Engineer

DATE 8/24/10 PLATE NO. W8-12.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E



W8-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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																											
2S	30		1 3/8	1/2	5/8	5	2 1/4	12 1/8		13 1/4	14 1/8																6.25
2M	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
3	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
4	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
5	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0

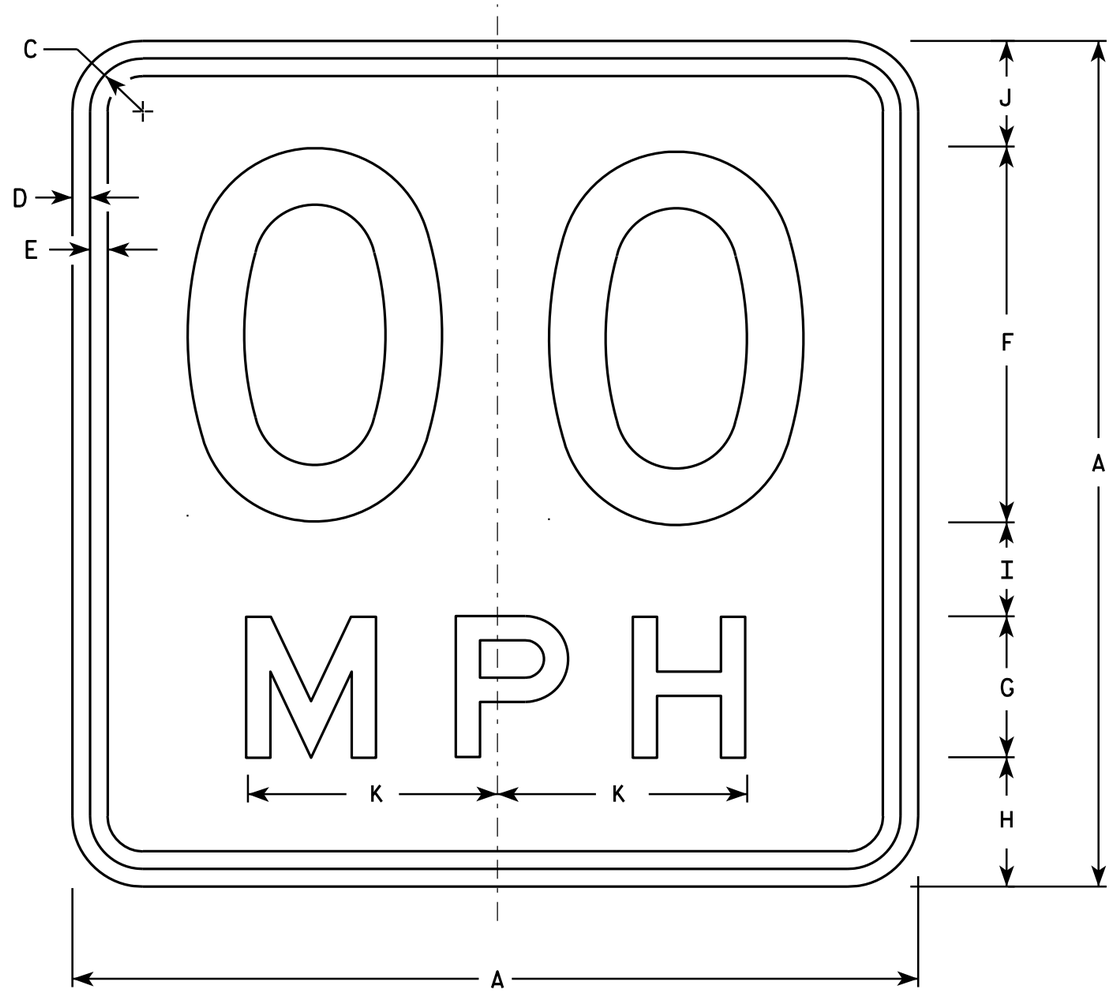
STANDARD SIGN
W8-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/14/13 PLATE NO. W8-52.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 233	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 - See Note 6
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 optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	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	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

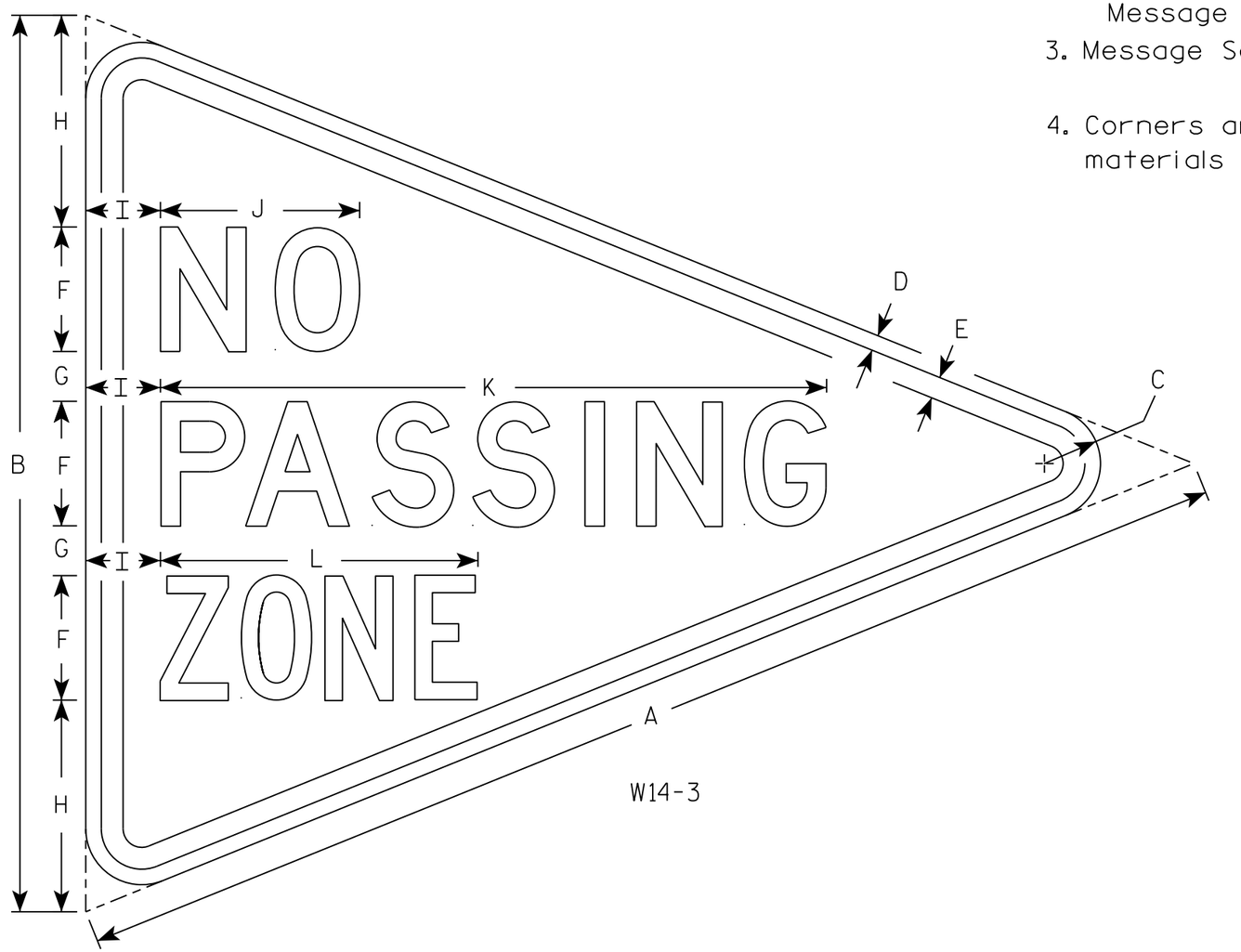
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 234 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

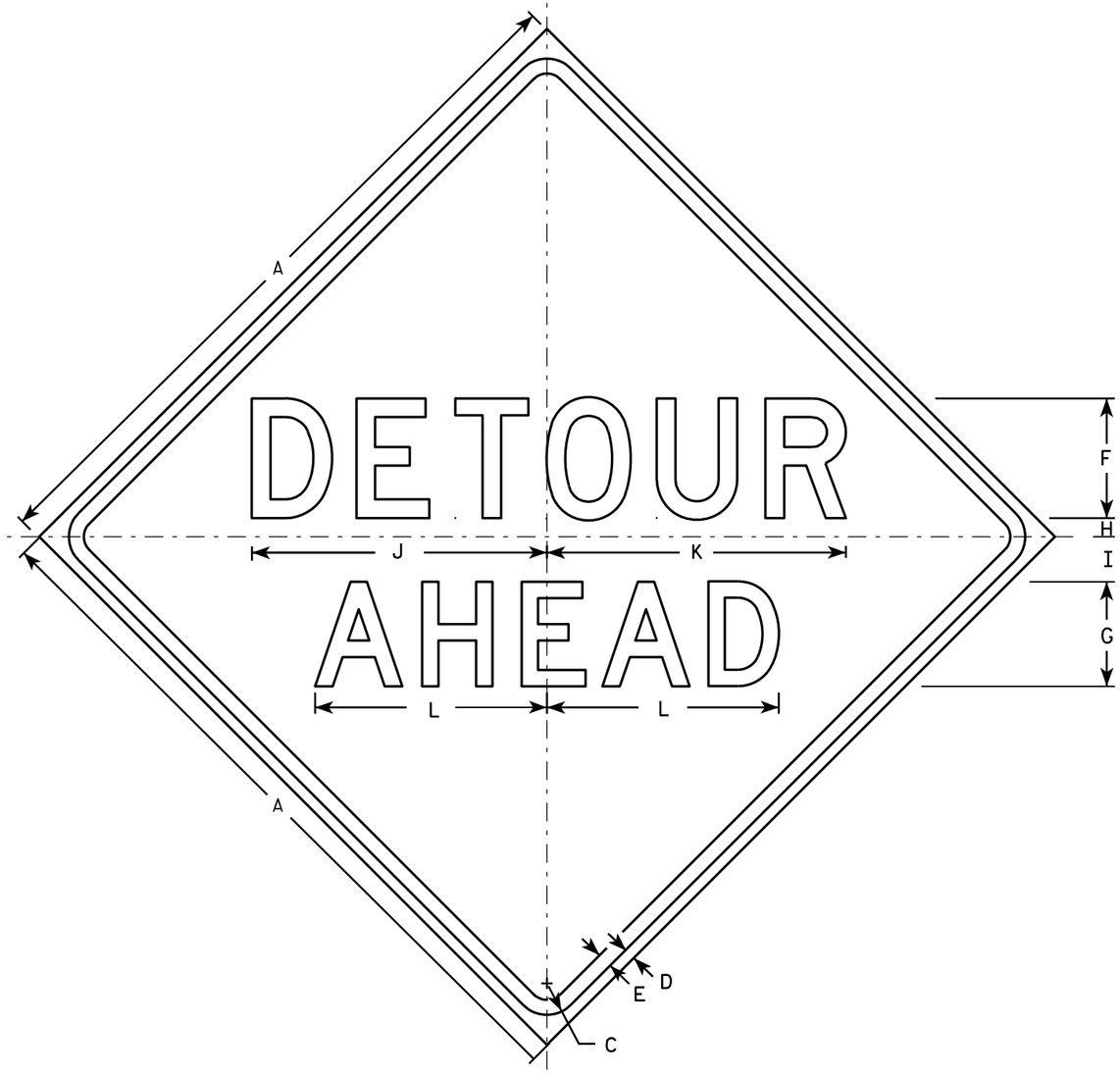
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

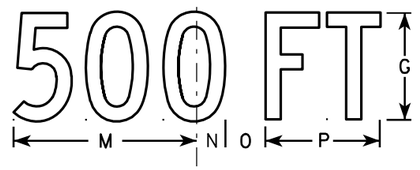
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

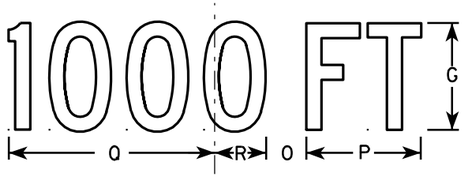
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 235 | E



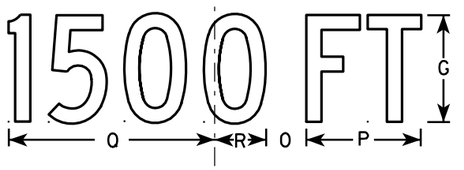
W20-2A



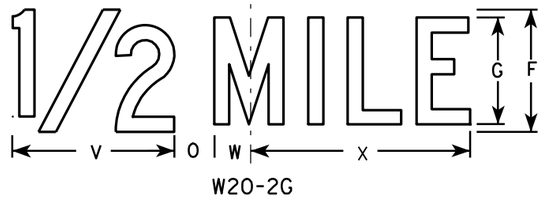
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

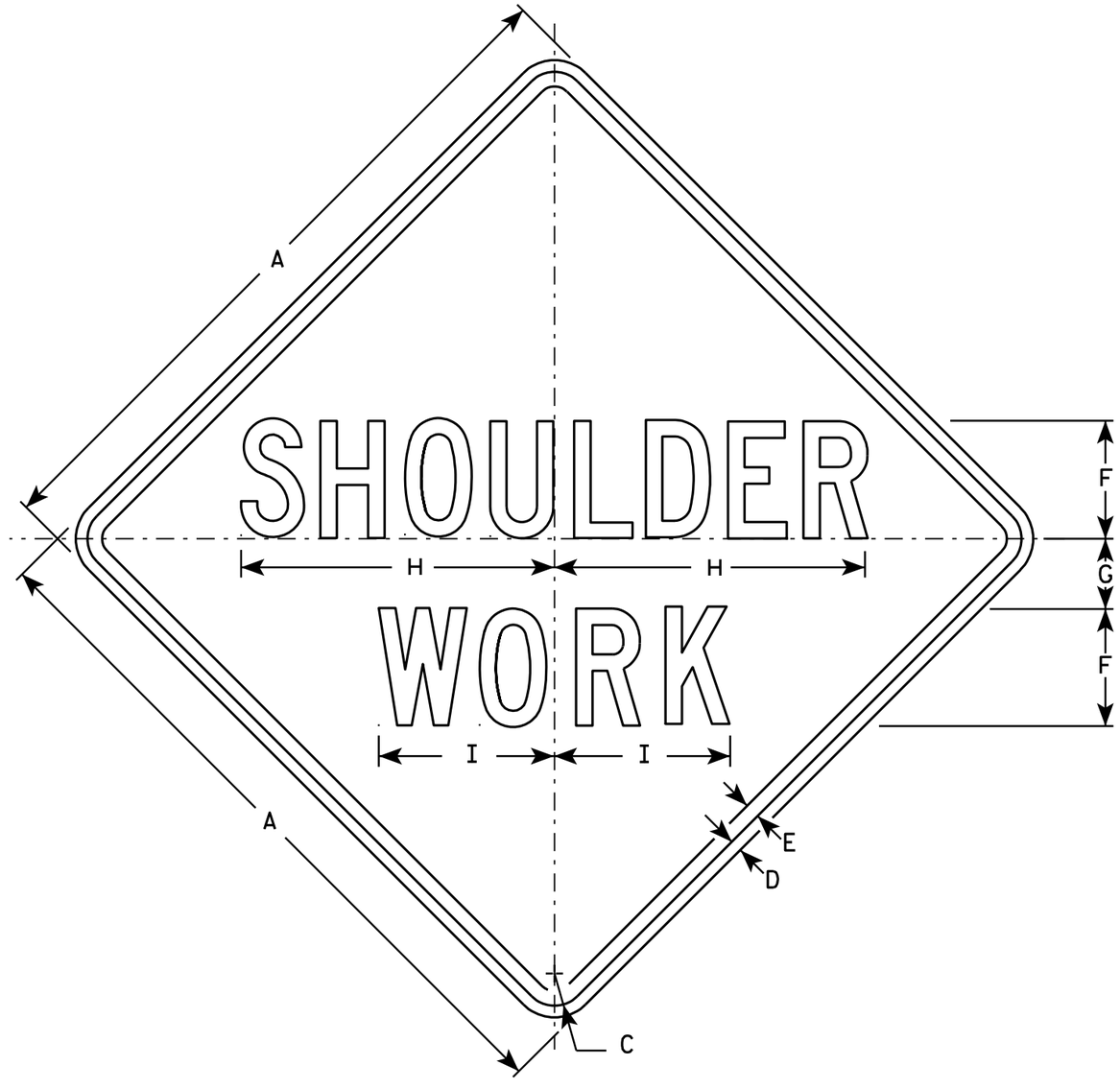
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	E



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: 237 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN PLOT DATE : 21-MAR-2011 08:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.207338:1.000000
WISDOT/CADDS SHEET 42

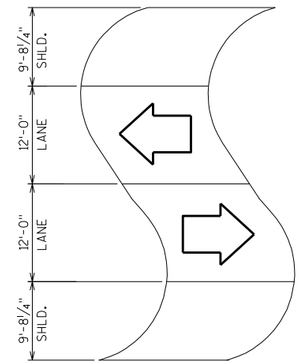
STATE PROJECT NUMBER

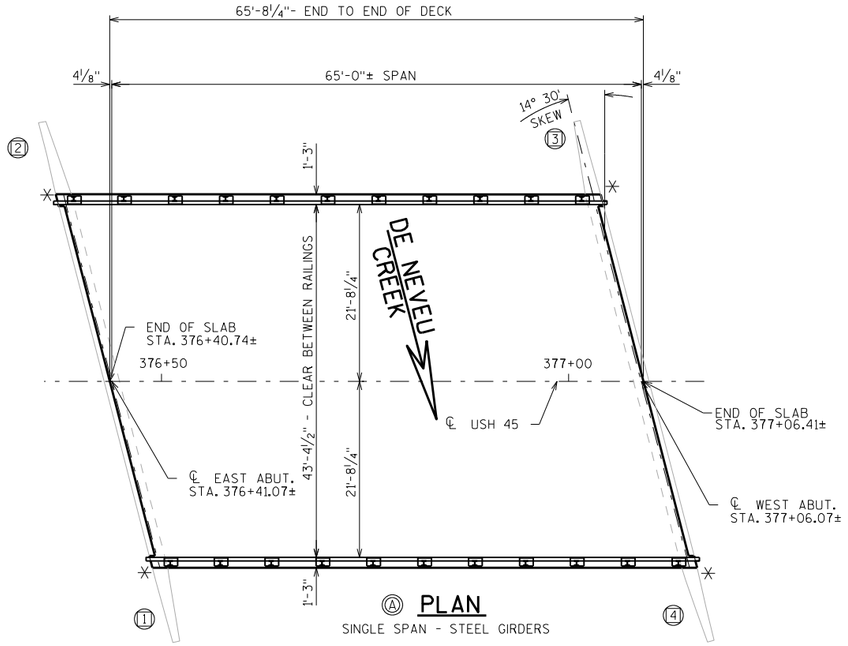
4110-26-71

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT

(2) INDICATES WING NUMBER

○ INDICATES GIRDER NUMBER





Ⓐ **PLAN**

SINGLE SPAN - STEEL GIRDERS

DESIGN DATA

LIVE LOAD:

DESIGN RATING: HS-20
INVENTORY RATING: HS-19
OPERATING RATING: HS-32
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 230 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE — f'c = 4,000 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

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.

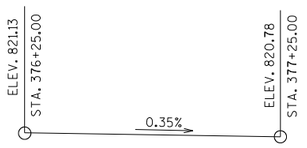
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, VERTICAL FACE OF THE EDGE OF DECK, AND ONE FOOT UNDERNEATH THE EDGE OF DECK.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ANY EXCAVATION REQUIRED TO CONSTRUCT THE NEW DECK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES".

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.

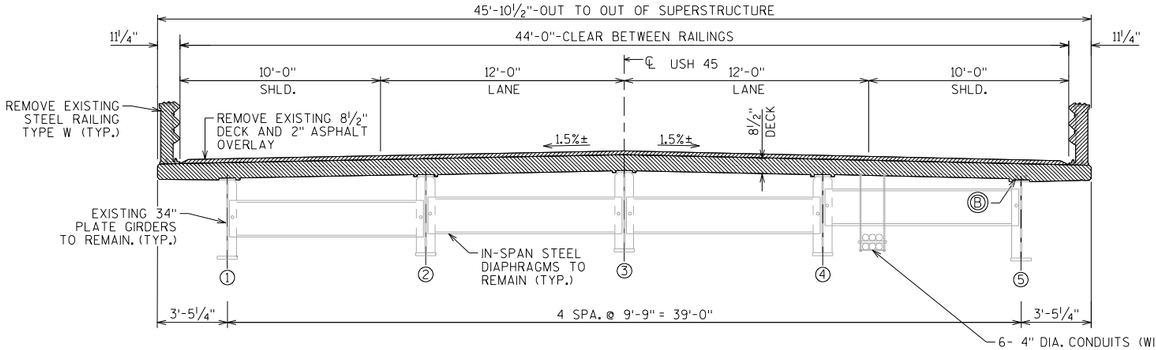
BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS SHOWN AND NOTED OTHERWISE.



PROFILE GRADE LINE - USH 45

Ⓐ STATIONING MAY VARY BASED ON EXACT LOCATION OF BRIDGE TO PROPOSED ALIGNMENT. CONTRACTOR TO VERIFY. VARIATIONS TO THE NEW GRADE LINE OVER ½" MUST BE SUBMITTED FOR REVIEW BY BUREAU OF STRUCTURES.

Ⓑ CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE SHEAR STUDS AND TOP GIRDER FLANGE. ENGINEER WILL INSPECT GIRDERS PRIOR TO PLACING NEW DECK.



6- 4" DIA. CONDUITS (WISC. TELEPHONE) TO BE REMOVED. INCIDENTAL TO BID ITEM "REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS".

EXISTING CROSS SECTION THRU BRIDGE SHOWING REMOVAL AREA

(LOOKING WEST)

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
BM605	377+12.00	24' RT CHISELED SQUARE ON NE WING WALL	820.35

LIST OF DRAWINGS

1. NEW DECK
2. SUPERSTRUCTURE
3. SUPERSTRUCTURE DETAILS
4. TUBULAR STEEL RAILING TYPE "M"

TRAFFIC VOLUME

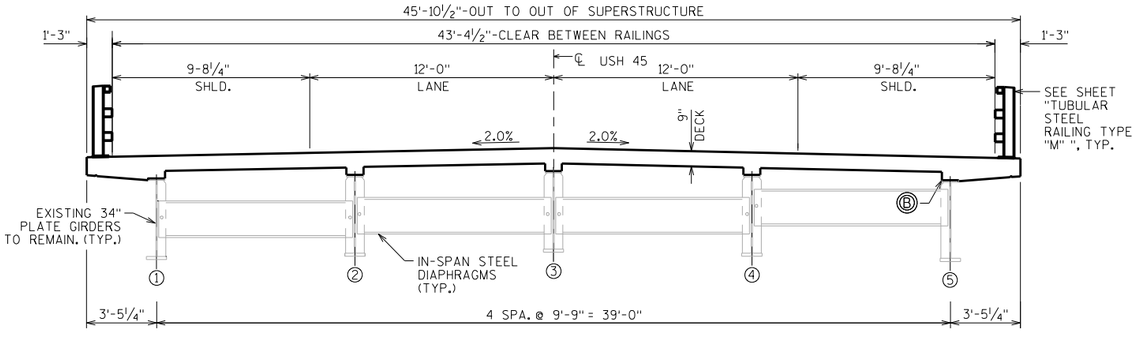
USH 45
A.D.T.=4600 (2035)
R.D.S.=50 M.P.H.

STRUCTURE DESIGN CONTACTS:

JOHN SENDOR (608) 266-5163
AARON BONK (608) 261-0261

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 377+00	LS	1
502.0100	CONCRETE MASONRY BRIDGES	CY	93
502.3200	PROTECTIVE SURFACE TREATMENT	SY	338
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	192
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	21420
513.4061	RAILING TUBULAR TYPE M B-20-74	LF	135
SPV.0090	16 GAUGE GALVANIZED METAL FLASHING	LF	130



PROPOSED CROSS SECTION THRU BRIDGE

(LOOKING WEST)

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED William C. Dreher 11/6/17
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-20-74

U.S.H. 45 OVER DE NEVEU CREEK

COUNTY	TOWN/CITY/~~VILLAGE~~
FOND DU LAC	FOND DU LAC

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JJS	NAR	JJS	NAR

NEW DECK

SHEET 1 OF 4

238

I.D. 4110-26-00A

DATE: OCT. 2016

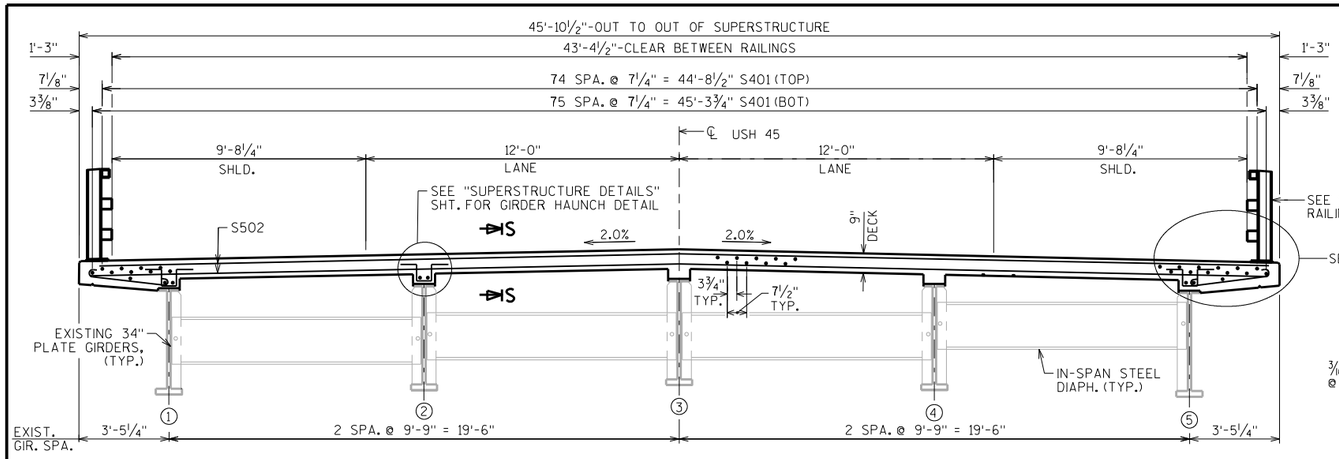
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8

8

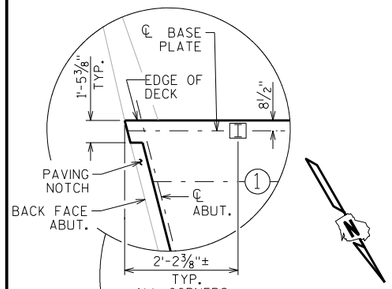
STATE PROJECT NUMBER

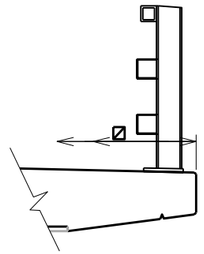
4110-26-71



CROSS SECTION THRU BRIDGE

(LOOKING WEST)

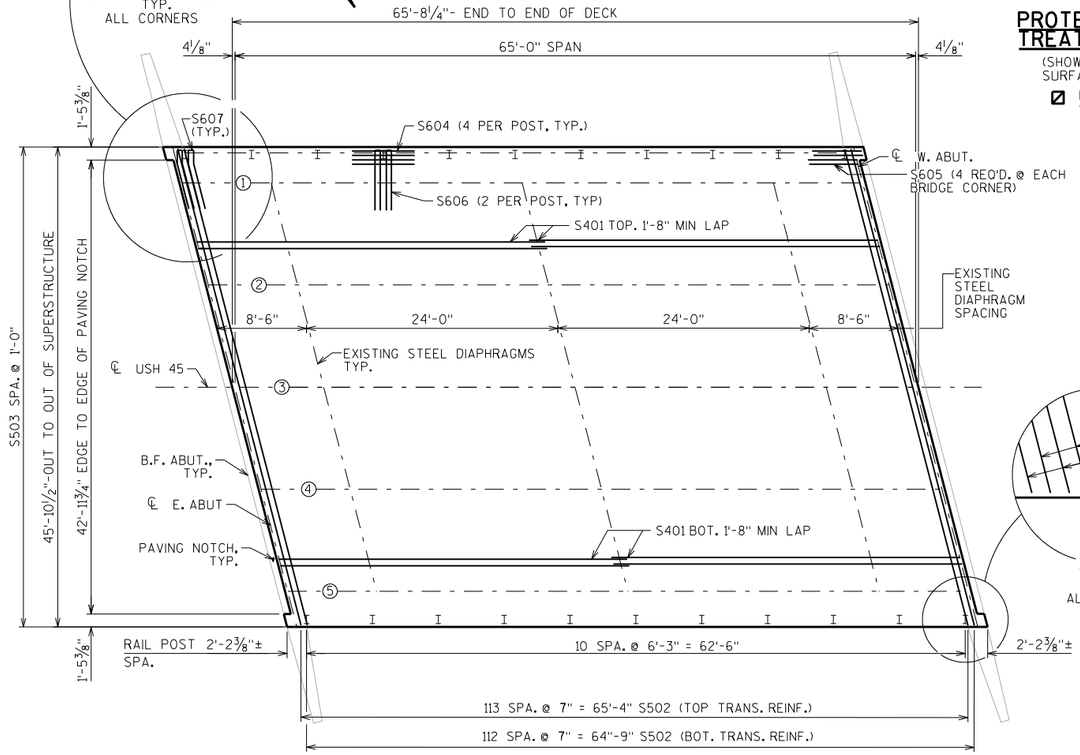




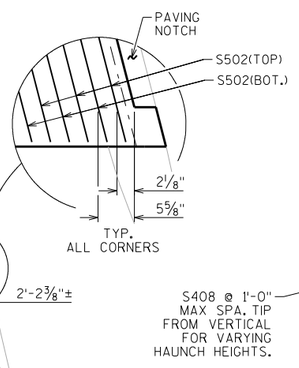
PROTECTIVE SURFACE TREATMENT DETAIL

(SHOWING PROTECTIVE SURFACE TREATMENT LIMITS)

☒ LIMITS OF "PROTECTIVE SURFACE TREATMENT".



PLAN



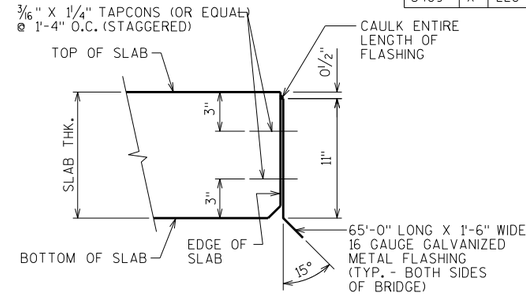
** ADHESIVE ANCHORS NO. 5 BAR EMBED 1'-0" IN CONCRETE.

◯ INDICATES GIRDER NUMBER

BILL OF BARS

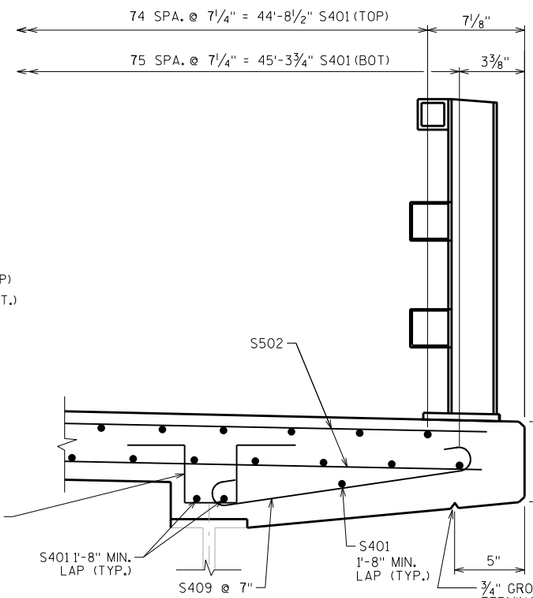
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	326	33'-8"			LONGITUDINAL - TOP & BOTTOM
S502	X	227	45'-7"			TRANSVERSE - TOP & BOTTOM
S503	X	192	2'-7"	X		DIAPHRAGM VERT.
S604	X	72	6'-0"			LONGITUDINAL- POST
S605	X	16	4'-9"			LONGITUDINAL- POST
S606	X	40	12'-0"	X		TRANSVERSE POST U BARS
S607	X	4	12'-2"	X		TRANSVERSE POST U BARS
S408	X	330	2'-8"	X		HAUNCH VERT.
S409	X	226	4'-2"	X		TRANSVERSE EDGE OF DECK

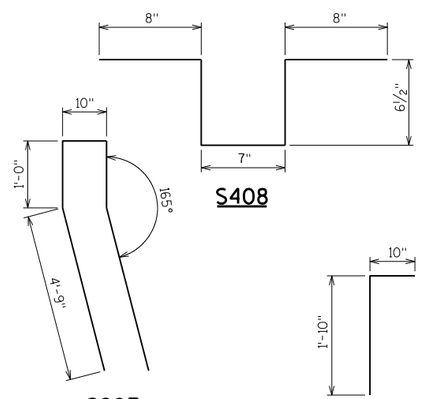


FLASHING DETAIL

THE BID ITEM "16 GAUGE GALVANIZED METAL FLASHING" SHALL INCLUDE THE METAL FLASHING, CAULK, TAPCONS (OR EQUAL) AND CLEANING THE EDGE OF DECK PRIOR TO ATTACHMENT OF THE FLASHING; AS WELL AS THE ATTACHMENT OF THE FLASHING TO THE SIDE OF DECK. THE BID ITEM ALSO INCLUDES FURNISHING ALL LABOR, TOOLS, EQUIPMENT, MATERIALS AND ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.



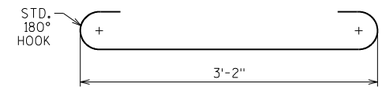
DETAIL 'A'



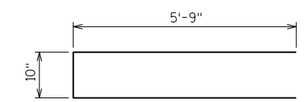
S408

S607

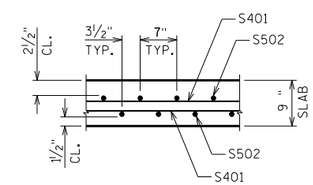
S503



S409



S606



SECTION S

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-74

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE

SHEET 2

239

SCALE = 7.0

8

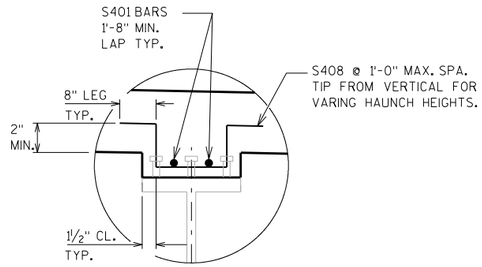
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STATE PROJECT NUMBER

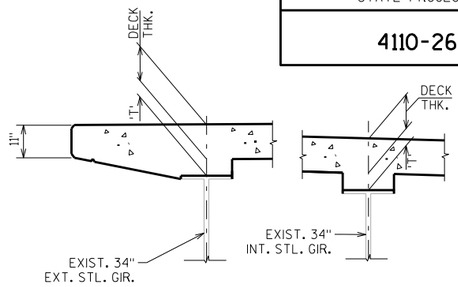
4110-26-71

TOP OF DECK ELEVATIONS

	℄ BRG. E. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. W. ABUT.
S. E.O.D.	820.64	820.61	820.59	820.57	820.54	820.52	820.50	820.48	820.45	820.43	820.41
GIRDER 1	820.70	820.68	820.66	820.63	820.61	820.59	820.56	820.54	820.52	820.50	820.47
GIRDER 2	820.89	820.86	820.84	820.82	820.80	820.77	820.75	820.73	820.71	820.68	820.66
GIRDER 3	821.07	821.05	821.03	821.01	820.98	820.96	820.94	820.91	820.89	820.87	820.85
GIRDER 4	820.87	820.85	820.82	820.80	820.78	820.76	820.73	820.71	820.69	820.67	820.64
GIRDER 5	820.67	820.64	820.62	820.60	820.58	820.55	820.53	820.51	820.48	820.46	820.44
N. E.O.D.	820.59	820.57	820.55	820.53	820.50	820.48	820.46	820.43	820.41	820.39	820.37



GIRDER HAUNCH DETAIL



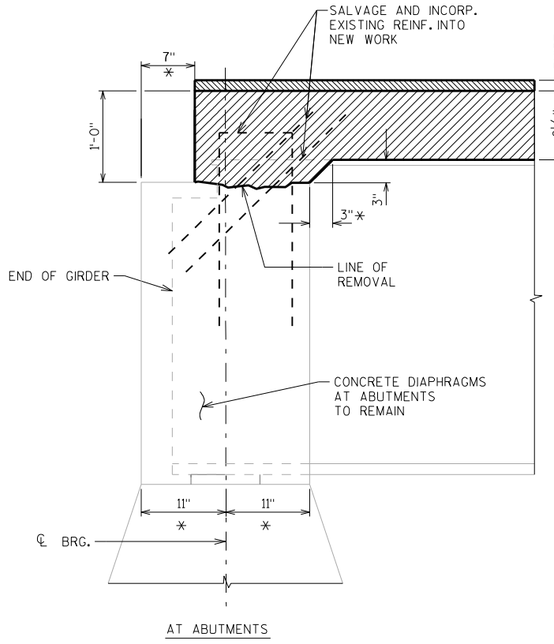
SLAB HAUNCH DETAIL

THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½".

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT ℄ OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEAD LOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3¼" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".

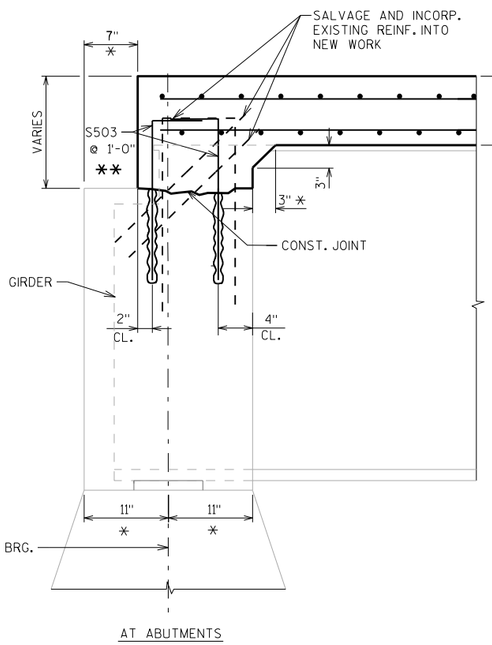


AT ABUTMENTS

PART LONGITUDINAL SECTION

(SHOWING DECK REMOVAL)

* DIMENSION IS TAKEN NORMAL TO THE ℄ SUBSTRUCTURE UNITS



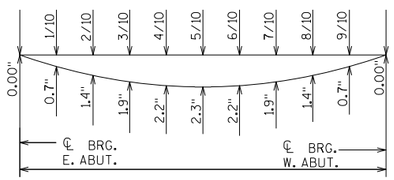
AT ABUTMENTS

PART LONGITUDINAL SECTION

(SHOWING PROPOSED DECK)

* DIMENSION IS TAKEN NORMAL TO THE ℄ SUBSTRUCTURE UNITS

** ADHESIVE ANCHORS NO. 5 BARS, EMBED 1'-0" IN CONCRETE.



DEFLECTION DIAGRAM

NOTE: DEFLECTIONS ARE USED FOR CONCRETE ONLY.
CONCRETE ONLY = CONCRETE DECK DEFLECTION
+ COMPOSITE DEAD LOAD DEFLECTION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-74

DRAWN BY JJS | PLANS CK'D. NAR

SUPERSTRUCTURE DETAILS

SHEET 3

240

SCALE = 1.0

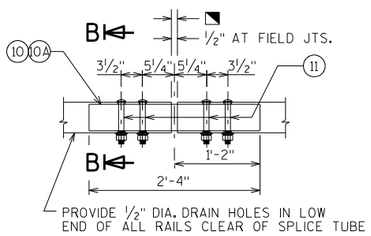
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8

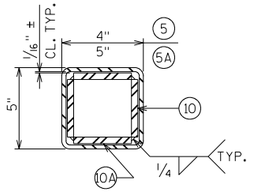
STATE PROJECT NUMBER

4110-26-71

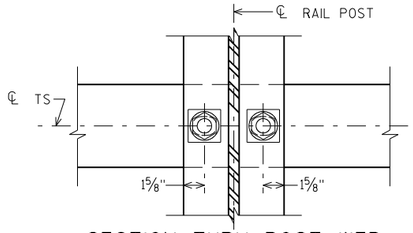
SECTION THRU RAILING ON DECK



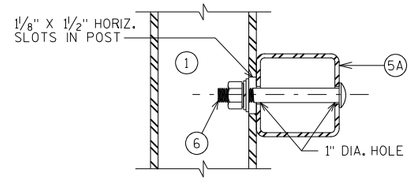
FIELD ERECTION JOINT DETAIL



SECTION B-B



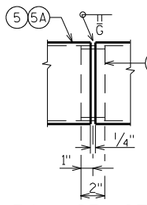
SECTION THRU POST WEB



SECTION THRU RAIL

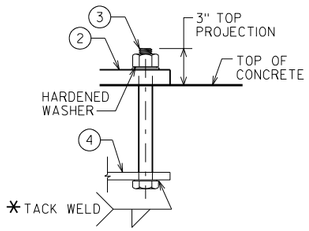
NOTE: CONNECTIONS AT LOWER RAILS SHOWN. CONNECTIONS AT TOP RAIL SIMILAR.

TYPICAL RAIL TO POST CONNECTIONS

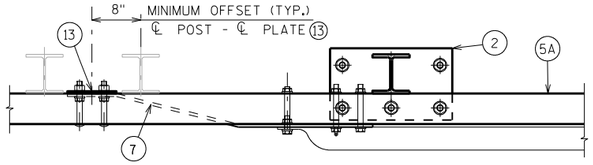


SHOP RAIL SPLICE DETAIL

LOCATION MUST BE SHOWN ON SHOP DRAWINGS

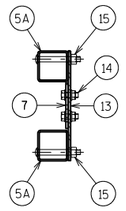


ANCHOR BOLTS

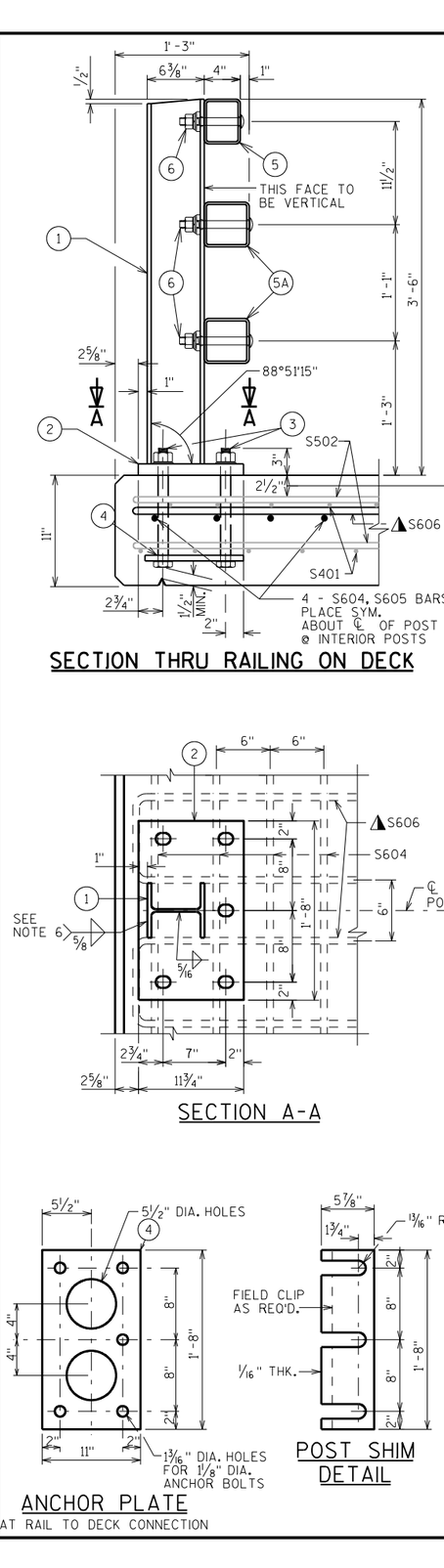


TOP VIEW AT END POST

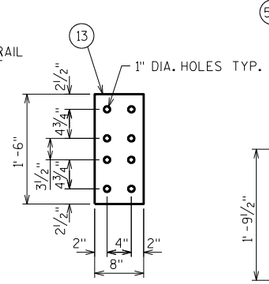
THRIE BEAM RAIL ATTACHMENT



SECTION C-C

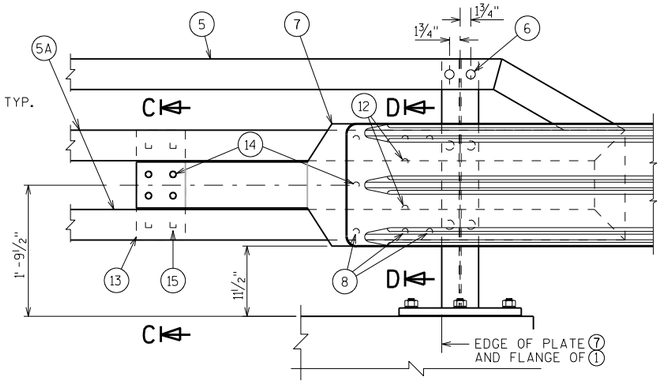


SECTION A-A



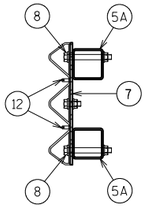
ANCHOR PLATE

AT BEAM GUARD ATTACHMENT



DETAIL AT END POST

THRIE BEAM RAIL ATTACHMENT

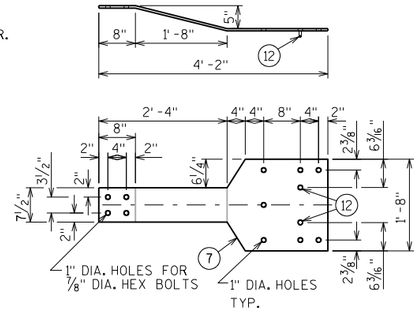


SECTION D-D

ANCHOR PLATE

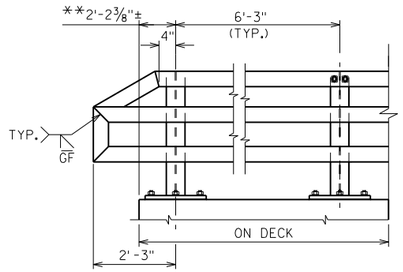
AT RAIL TO DECK CONNECTION

POST SHIM DETAIL



BACK-UP PLATE DETAIL

AT BEAM GUARD ATTACHMENT



PART ELEVATION OF RAILING

LEGEND

① W6 x 25 WITH 1⅛" X 1½" HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.

② PLATE 1¼" × 11¾" × 1'-8" WITH 15⁄16" X 1⅝" SLOTTED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN. SLOTS PARALLEL TO SHORT SIDE OF PLATE.

③ ASTM A449 - 1⅛" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 1'-9" LONG IN ABUTMENT WINGS. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG. USE 11¼" LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REQ'D. FOR CONSTRUCTIBILITY.)

④ 5⁄8" × 11" × 1'-8" ANCHOR PLATE (GALVANIZED) WITH 1 3⁄16" DIA. HOLES FOR ANCHOR BOLTS NO. 3

⑤ TS 5 × 4 × 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.

⑤A TS 5 × 5 × 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.

⑥ ⅞" DIA. A325 SLOTTED ROUND HEAD BOLT WITH NUT, 3⁄16" X 1⅝" X 1⅝" WASHER, AND LOCK WASHER (2 REQ'D. AT EACH RAIL TO POST LOCATION.)

⑦ ½" THK. BACK-UP PLATE WITH 2 - ⅞" X 1½" THREADED SHOP WELDED STUDS (NO. 12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5A.

⑧ 1" DIA. HOLES IN PLATE NO. 7 & TUBES NO. 5A FOR ⅞" DIA. A325 BOLTS WITH HEX NUTS AND WASHERS. 6 HOLES IN TUBES AND PLATE NO. 7.

⑨ SPLICE SLEEVE FABRICATED FROM ¼" PLATE. PROVIDE "SLIDING FIT".

⑩ 3⁄8" X 3⅝" X 2'-4" PLATE. 2 PER RAIL. USED IN NO. 5 & 5A.

⑩A 3⁄8" X 2⅝" X 2'-4" PLATE USED IN NO. 5, 3⁄8" X 3⅝" X 2'-4" PLATE USED IN NO. 5A. 2 PER RAIL.

⑪ ⅞" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE 15⁄16" X 1¼" LONGIT. SLOTTED HOLES AT FIELD JOINTS AND 15⁄16" X 2¼" MIN. LONGIT. SLOTTED HOLES AT EXP. JOINTS IN PLATE NO. 10A.

⑫ ⅞" DIA. X 1½" LONG THREADED SHOP WELDED STUDS (2 REQ'D).

⑬ 3⁄8" X 8" X 1'-6" PLATE. BOLT TO RAIL AS SHOWN IN DETAIL. REQ'D. AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYM. ABOUT TUBES NO. 5A.

⑭ ⅞" DIA. X 2" LONG A325 HEX BOLT WITH NUT AND WASHER (5 REQ'D.).

⑮ 1" DIA. HOLES IN TUBES NO. 5A FOR ⅞" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER AND LOCK WASHER (4 REQ'D.). 4 HOLES IN TUBES.

GENERAL NOTES

1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M B-20-74 " WHICH INCLUDES ALL ITEMS SHOWN.
2. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A CERTIFIED FY = 50 KSI. ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 36.
3. THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL ⅛ TURN.
4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF THREE (3) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN A PANEL OVER EXPANSION JOINTS.
5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE AND SMOOTH.
6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING.
7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.
8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.
10. THIS RAILING MEETS NCHRP REPORT 350 EVALUATION CRITERIA FOR TEST LEVEL 4 (TL-4).

◭ TIE TO TOP MAT OF STEEL.

✳ FOR ANCHOR BOLTS IN WINGS, TACK WELD MAY BE USED IN FIELD AFTER ANCHOR PLATE IS IN POSITION IF REQ'D. FOR CONSTRUCTIBILITY.

◹ RDWY. OPENING OR 2½" MIN. FOR STRIP SEAL EXP. JOINT & ½" OPENING FOR A1 ABUTMENT.

** MEASURED ALONG ℄ OF BASE PLATE SEE "SUPERSTRUCTURE" SHEET FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-20-74

DRAWN BY JJS | PLANS CK'D. NAR

TUBULAR STEEL RAILING TYPE "M"

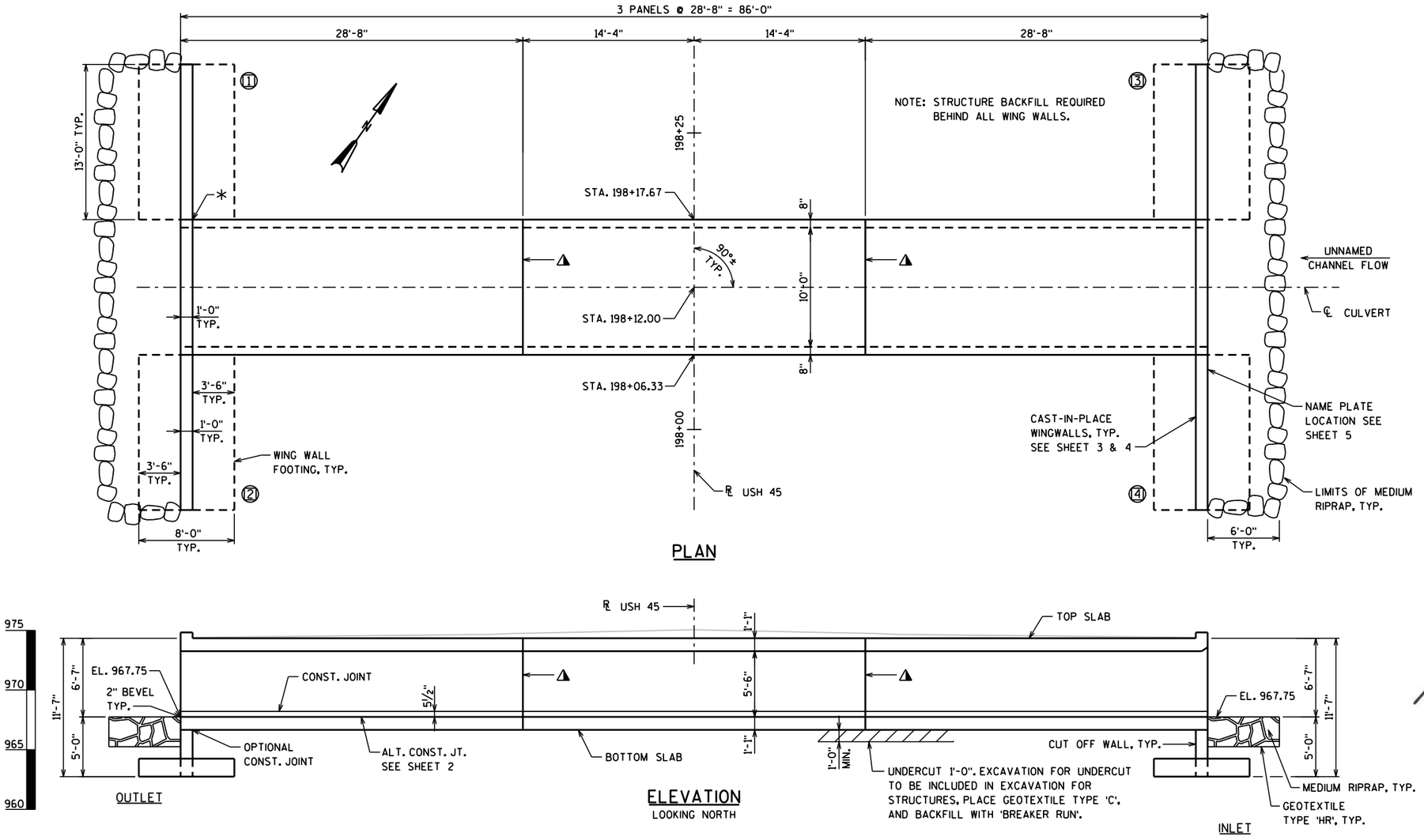
SHEET 4

241

SCALE =

RAILM 7-16

STATE PROJECT NUMBER
4110-26-71



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE UPPER LIMITS OF THE "EXCAVATION FOR STRUCTURES CULVERTS C-20-161" SHALL BE THE EXISTING GROUND LINE.

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE B TO THE ELEVATION AND SECTION EXISTING PRIOR TO EXCAVATION WITHIN THE LENGTH OF THE CULVERT.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE APPROVAL OF THE STRUCTURES DESIGN SECTION. THE PRECAST STRUCTURE SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES". ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURE BACKFILL TYPE B" OF 6" MINIMUM DEPTH.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

FOUNDATION DATA

WINGWALLS TO BE SUPPORTED ON SPREAD FOOTINGS WITH A MAXIMUM ALLOWABLE BEARING PRESSURE OF 2,000 PSF.

WISCONSIN
KRISTOFER R. OLSON
E-35236
APPLETON, WI
PROFESSIONAL ENGINEER

8/24/17

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTALS
203.0200	REMOVING OLD STRUCTURE STA 198+12	LS	1
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-20-161	LS	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	480
311.0110	BREAKER RUN	TON	110
504.0100	CONCRETE MASONRY CULVERTS	CY	147
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	15,730
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,880
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	22
516.0610.S	SHEET MEMBRANE WATERPROOFING FOR TOP SLAB C-20-161	SY	106
606.0200	RIPRAP MEDIUM	CY	35
645.0105	GEOTEXTILE TYPE C	SY	160
645.0120	GEOTEXTILE TYPE HR	SY	50
	NON-BID ITEMS		
	FILLER	SIZE	¾"

DESIGN DATA

LIVE LOAD:

DESIGN LOADING ——— HL-93
INVENTORY RATING FACTOR ——— RF = 1.05
OPERATING RATING FACTOR ——— RF = 1.35
WISCONSIN STANDARD
PERMIT VEHICLE (Wis-SPV) ——— 255 KIPS

EARTH LOAD:

DESIGNED FOR 0.0 TO 1.0 FT. OF FILL

MATERIAL PROPERTIES:

CONCRETE MASONRY ——— f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL
REINFORCEMENT ——— fy = 60,000 P.S.I.

NOTES

(X) INDICATES WING NUMBER

∗ SEE CORNER DETAILS SHT. 5, TYP.

◭ VERTICAL CONSTRUCTION JOINT (TYP.); 18" MIN. RMW UP WALLS & ACROSS TOP SLAB

HYDRAULIC DATA

Q_{100} ——— 290 C.F.S.
VELOCITY ——— 9.77 F.P.S.
HIGH WATER ——— EL. 975.65 (100 YEAR)
HIGH WATER ——— EL. 974.70 (2 YEAR)
WATERWAY AREA ——— 30.0 S.F.
DRAINAGE AREA ——— 0.9 SQ. MILES
OVERTOPPING FREQUENCY = N/A
SCOUR CRITICAL CODE = 5

TRAFFIC DATA

ADT = 2,400 (2017)
2,800 (2037)
RDS = 60 M.P.H.

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. DOWNSTREAM WING DETAILS
4. UPSTREAM WING DETAILS
5. DETAILS
6. SUBSURFACE EXPLORATION

CONSULTANT CONTACT

KRISTOFER OLSON
OMNNI ASSOCIATES, INC.
(920) 735-6900

BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
OMNNI ASSOCIATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED William C. Dreher SOR 01/04/18
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-20-161

USH 45 OVER UNNAMED CREEK

COUNTY	TOWN
FOND DU LAC	EDEN

DESIGN SPEC.	LOAD
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS	HL-93

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BRE	KRO	BRE	KRO

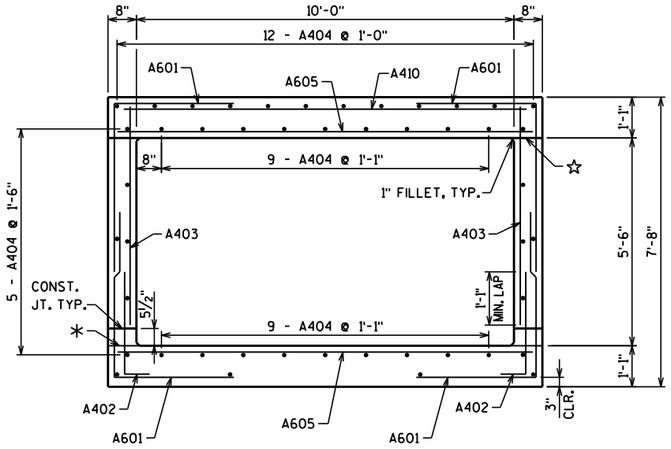
LAYOUT

SHEET 1 OF 6

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8 8

STATE PROJECT NUMBER
4110-26-71

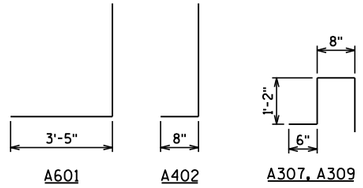


TYPICAL SECTION THRU BOX

HORIZ. BARS NOT OTHERWISE IDENTIFIED ARE A404 BARS

BILL OF BARS

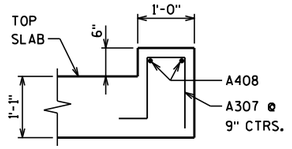
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
A601		468	7'-10"	X	CORNERS
A402		120	2'-10"	X	WALLS - DOWEL VERT.
A403		120	5'-9"		WALLS - VERT.
A404		138	28'-4"		TOP & BOT. SLAB & WALL
A605		264	10'-10"		TOP & BOT. SLAB TRANS.
A506		72	4'-0"		VERT. CONST. JOINT
A307		16	3'-4"	X	HEADERS STIRRUPS VERT.
A408		4	10'-10"		HEADERS HORIZ.
A309		16	2'-7"	X	HEADERS STIRRUPS VERT.
A410		87	10'-10"		TOP SLAB TRANS.



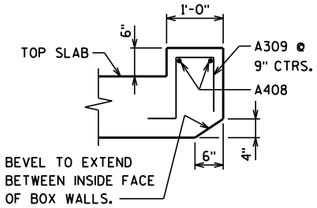
BAR BEND DIAGRAMS

LEGEND

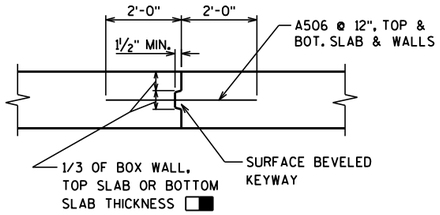
- ⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- ☆ OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED.
- ✳ ALTERNATE CONST. JOINT. OMIT 1" FILLET IF ALTERNATE CONST. JOINT IS USED.
- ◑ UNDER CUT BOX AND APRONS 1'-0" (INCLUDED IN EXCAVATION FOR STRUCTURES), PLACE GEOTEXTILE TYPE 'C', AND BACKFILL WITH BREAKER RUN. EXTEND 3'-0" BEYOND THE FOOTPRINT OF THE CULVERT.
- ▬ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.



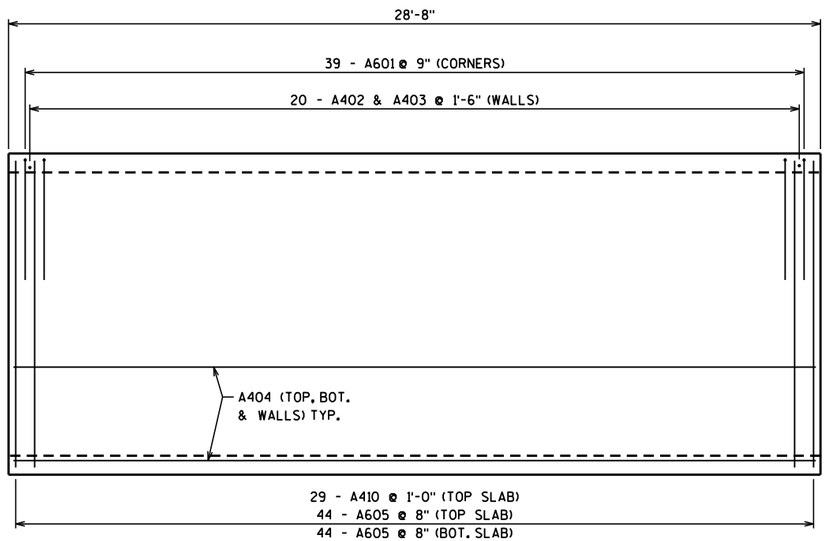
SECTION THRU HEADER AT OUTLET



SECTION THRU HEADER AT INLET

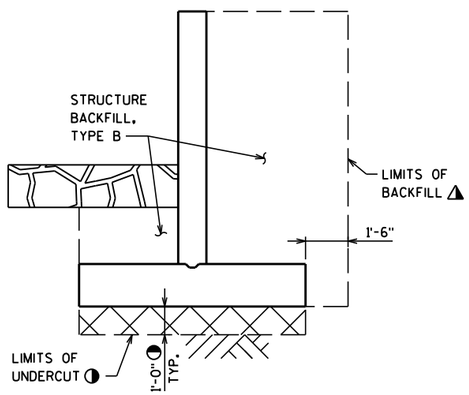


VERTICAL CONSTRUCTION JOINT

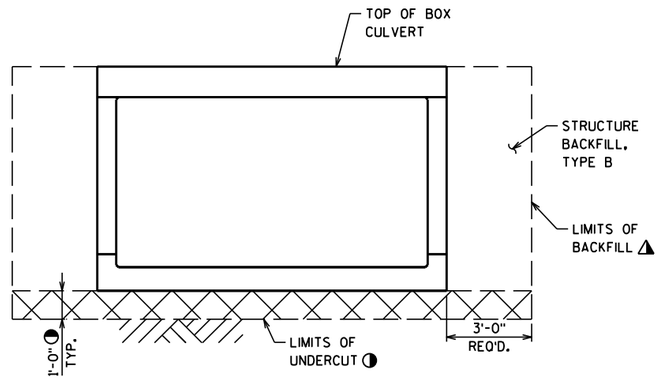


PLAN VIEW OF PANELS

HEADERS NOT SHOWN FOR CLARITY.



TYPICAL SECTION THRU WING WALLS



TYPICAL SECTION THRU BOX CULVERT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-20-161

DRAWN BY BRE | PLANS CK'D. KRO

BOX DETAILS

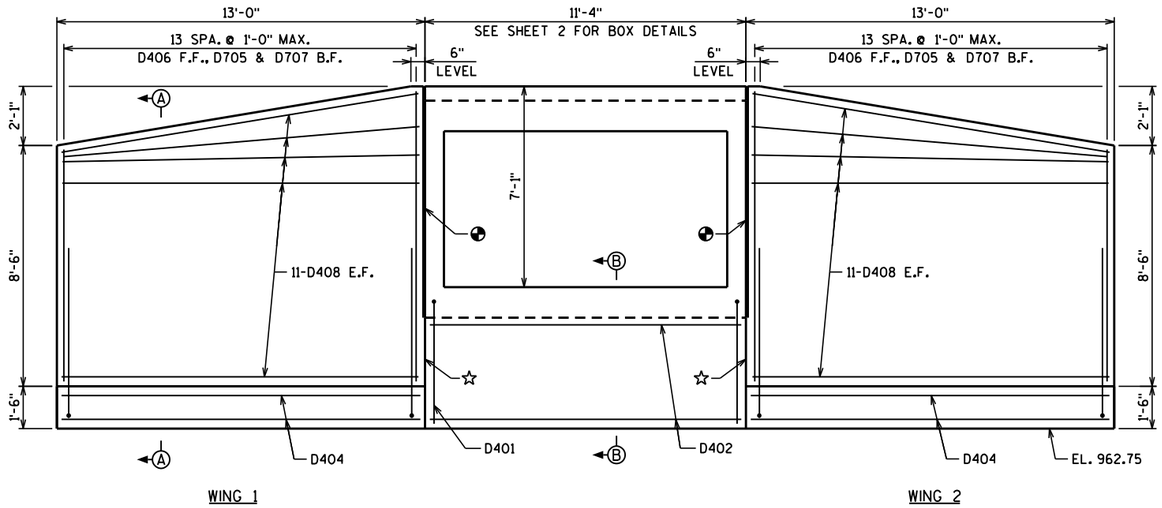
SHEET 2 OF 6

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8

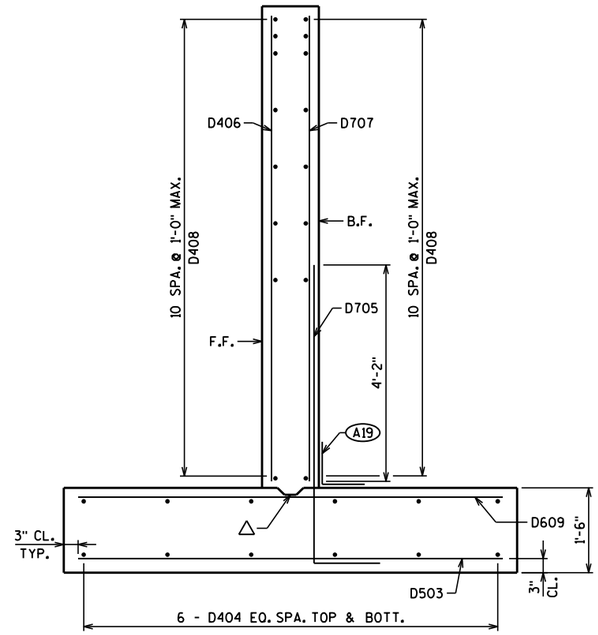
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STATE PROJECT NUMBER
4110-26-71



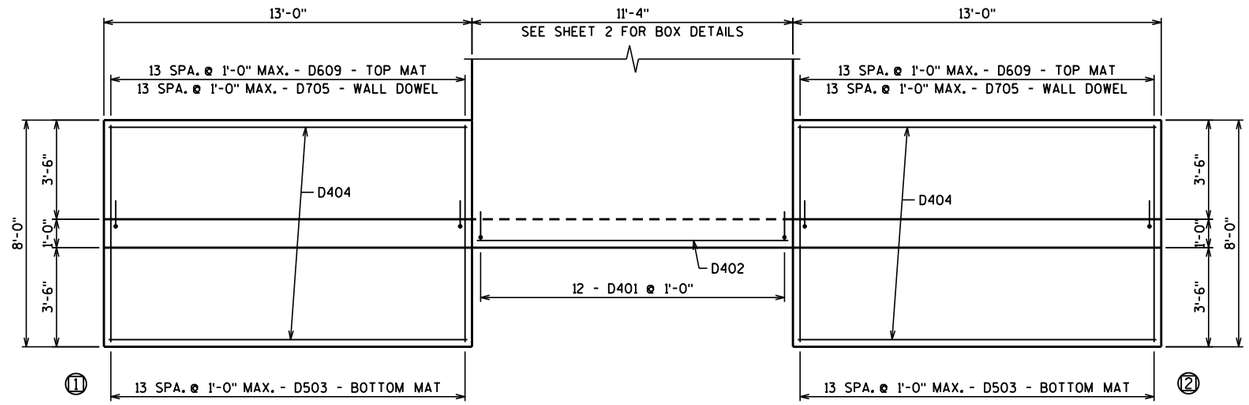
DOWNSTREAM WINGWALLS ELEVATION

LOOKING UPSTREAM AT FRONT FACE

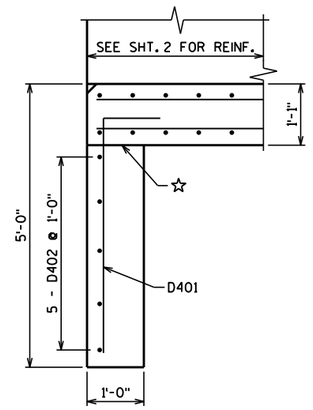


SECTION A-A

SECTION THRU WING 1 & 2



DOWNSTREAM FOOTING PLAN



SECTION B-B

SECTION THRU CUTOFF WALL

NOTES

☆ OPTIONAL CONSTRUCTION JOINT

◕ ¾" FILLER INCLUDED IN WING LENGTH TO EXTEND FROM BOTTOM OF BOX TO TOP OF WING.

(A19) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.

△ CONSTRUCTION JOINT FORMED BY BEVELED 2"X4", TYP. AT CENTER OF STEM.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-20-161

DRAWN BY BRE | PLANS CK'D. KRO

DOWNSTREAM WING DETAILS

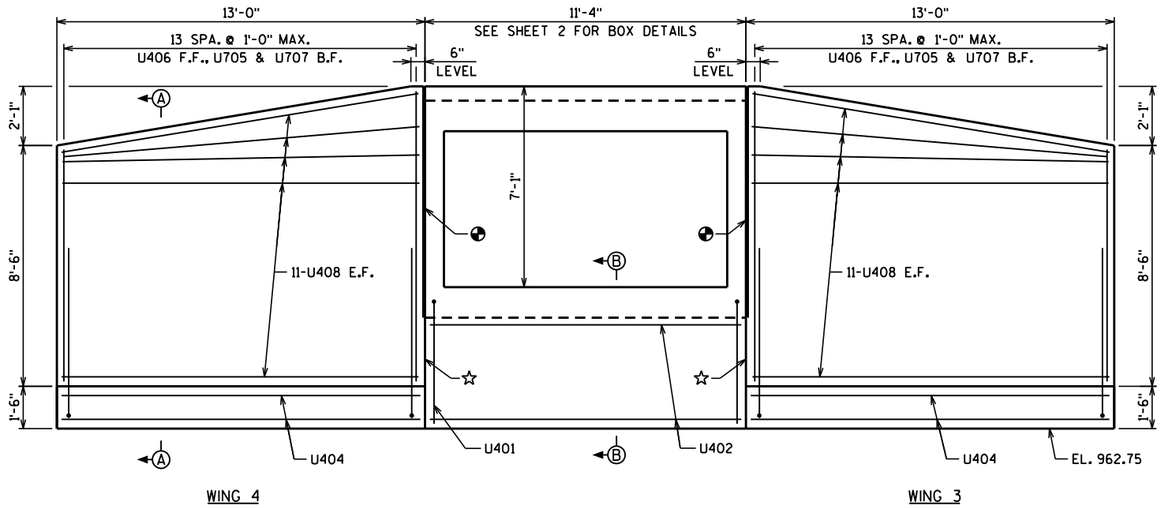
SHEET 3 OF 6

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8

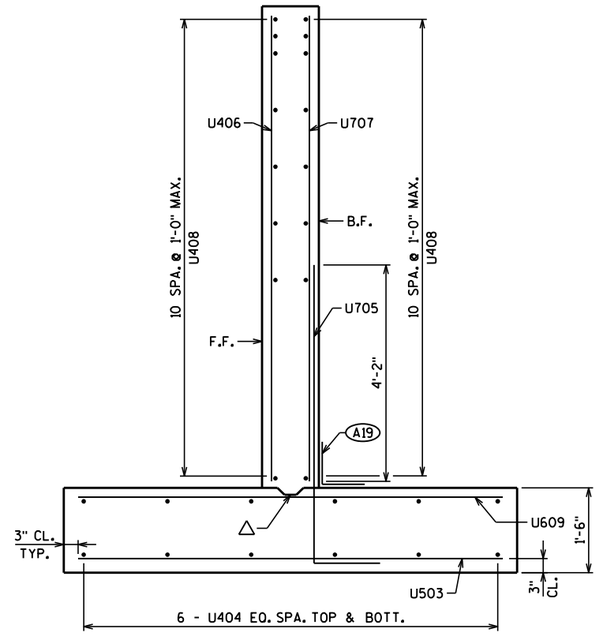
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STATE PROJECT NUMBER
4110-26-71



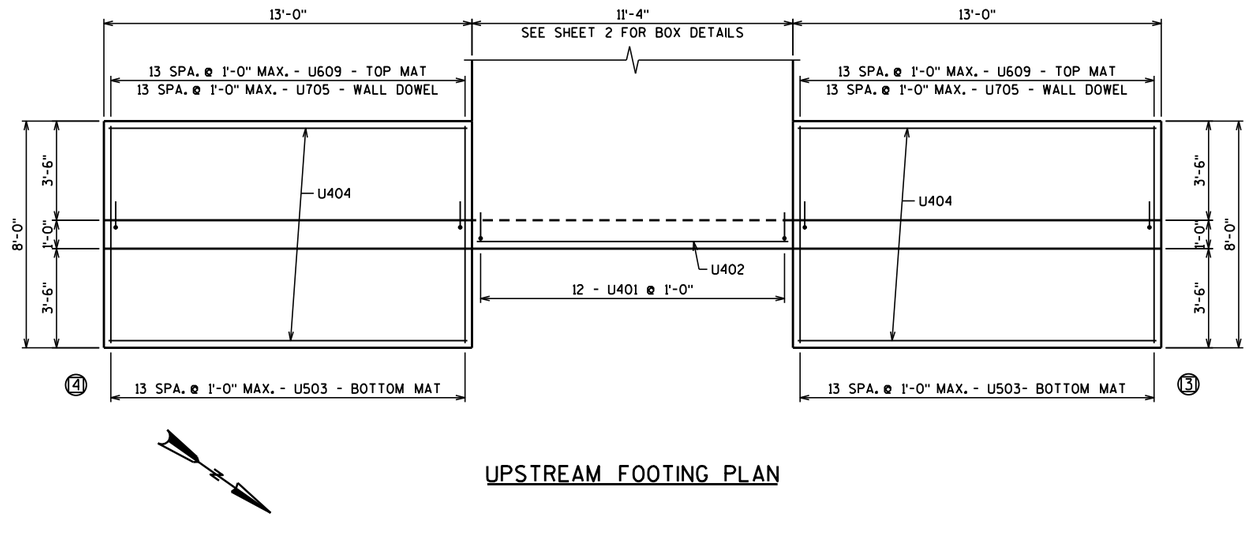
UPSTREAM WINGWALLS ELEVATION

LOOKING DOWNSTREAM AT FRONT FACE

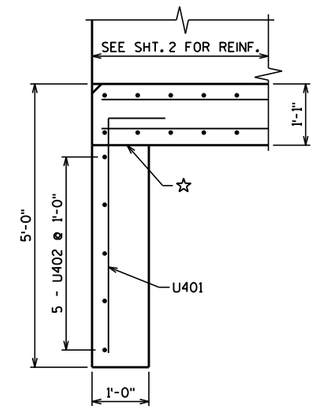


SECTION A-A

SECTION THRU WING 3 & 4



UPSTREAM FOOTING PLAN



SECTION B-B

SECTION THRU CUTOFF WALL

NOTES

☆ OPTIONAL CONSTRUCTION JOINT

◕ ¾" FILLER INCLUDED IN WING LENGTH TO EXTEND FROM BOTTOM OF BOX TO TOP OF WING.

(A19) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.

△ CONSTRUCTION JOINT FORMED BY BEVELED 2"X4", TYP. AT CENTER OF STEM.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-20-161

DRAWN BY BRE | PLANS CK'D. KRO

UPSTREAM WING DETAILS

SHEET 4 OF 6

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8

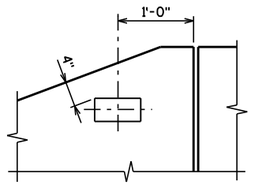
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STATE PROJECT NUMBER
4110-26-71

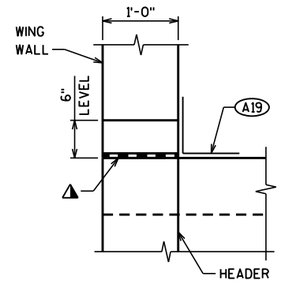
BILL OF BARS

BAR MARK	COAT	NO. REQ'D.	LENGTH	SERIES	BENT	LOCATION
D401		12	5'-5"		X	OUTLET CUTOFF WALL VERT.
D402		5	10'-10"			OUTLET CUTOFF WALL HORIZ.
D503		28	7'-6"			FOOTINGS BOTT. HORIZ.
D404		24	12'-6"			FOOTINGS TOP & BOTT. HORIZ.
D705	X	28	6'-6"		X	FOOTING DOWEL. VERT.
D406	X	28	9'-2"	△		WINGS VERT. F.F.
D707	X	28	9'-2"	△		WINGS VERT. B.F.
D408	X	44	12'-8"			WINGS HORIZ.
D609		28	7'-6"			FOOTINGS TOP HORIZ.
U401		12	5'-5"		X	INLET CUTOFF WALL VERT.
U402		5	10'-10"			INLET CUTOFF WALL HORIZ.
U503		28	7'-6"			FOOTINGS BOTT. HORIZ.
U404		24	12'-6"			FOOTINGS TOP & BOTT. HORIZ.
U705	X	28	6'-6"		X	FOOTING DOWEL. VERT.
U406	X	28	9'-2"	△		WINGS VERT. F.F.
U707	X	28	9'-2"	△		WINGS VERT. B.F.
U408	X	44	12'-8"			WINGS HORIZ.
U609		28	7'-6"			FOOTINGS TOP HORIZ.

△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



NAME PLATE
LOCATION WING 4



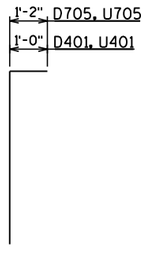
TYPICAL CORNER DETAIL

◭ ¾" FILLER TYPICAL. EXTEND FILLER FROM BOTTOM OF BOX TO TOP OF WING.

(A19) 18" RUBBERIZED MEMBRANE WATERPROOFING. FROM HORIZ. CONST. JT. TO TOP OF WALL (FLUSH WITH FACE OF CONCRETE)

BAR SERIES TABLE

BAR NO.	NO. REQ'D.	LENGTH
D406	2 SERIES OF 14	8'-1" TO 10'-3"
D707	2 SERIES OF 14	8'-1" TO 10'-3"
U406	2 SERIES OF 14	8'-1" TO 10'-3"
U707	2 SERIES OF 14	8'-1" TO 10'-3"



BAR BEND DIAGRAMS

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-20-161

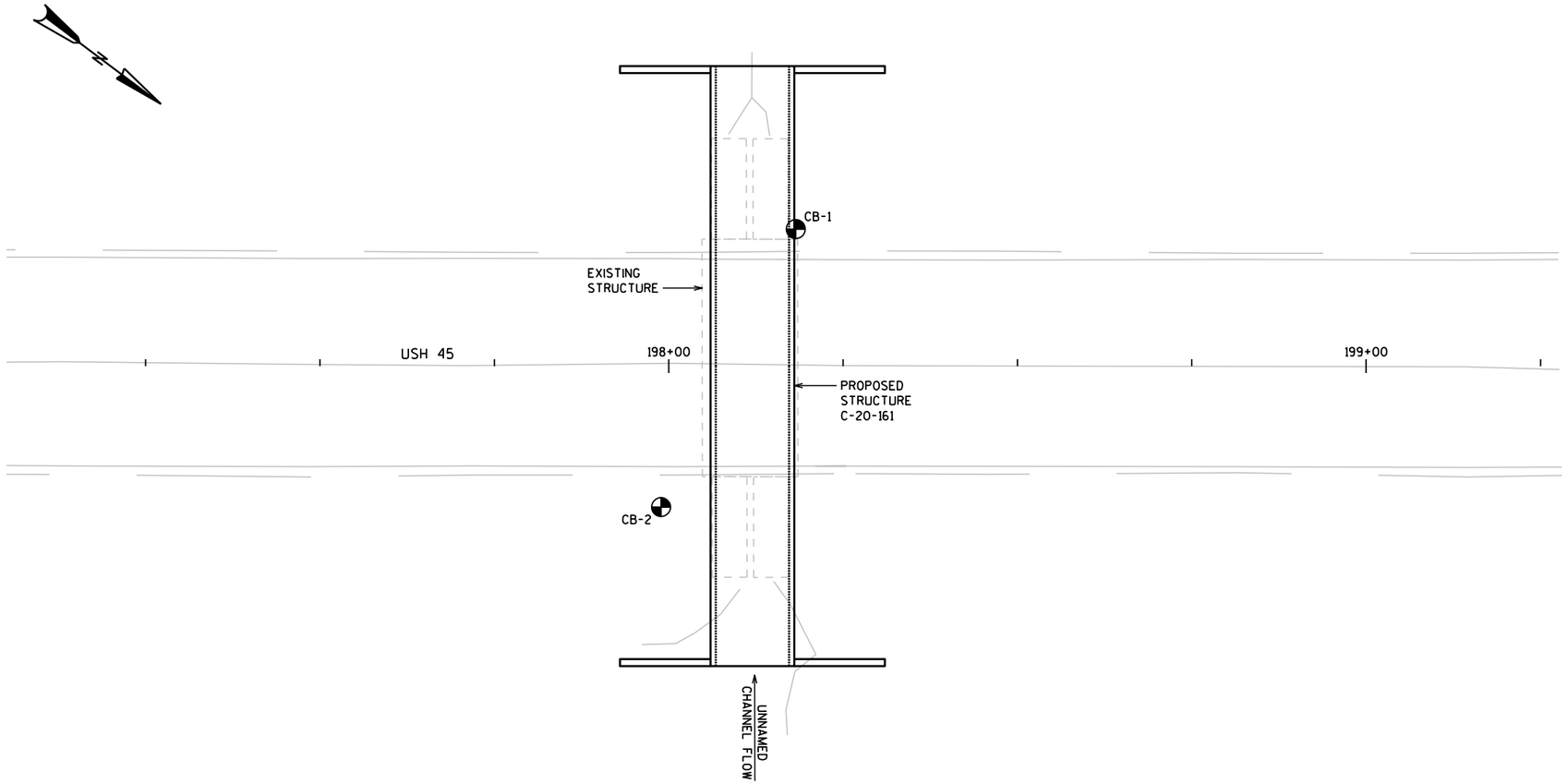
DRAWN BY BRE | PLANS CK'D. KRO

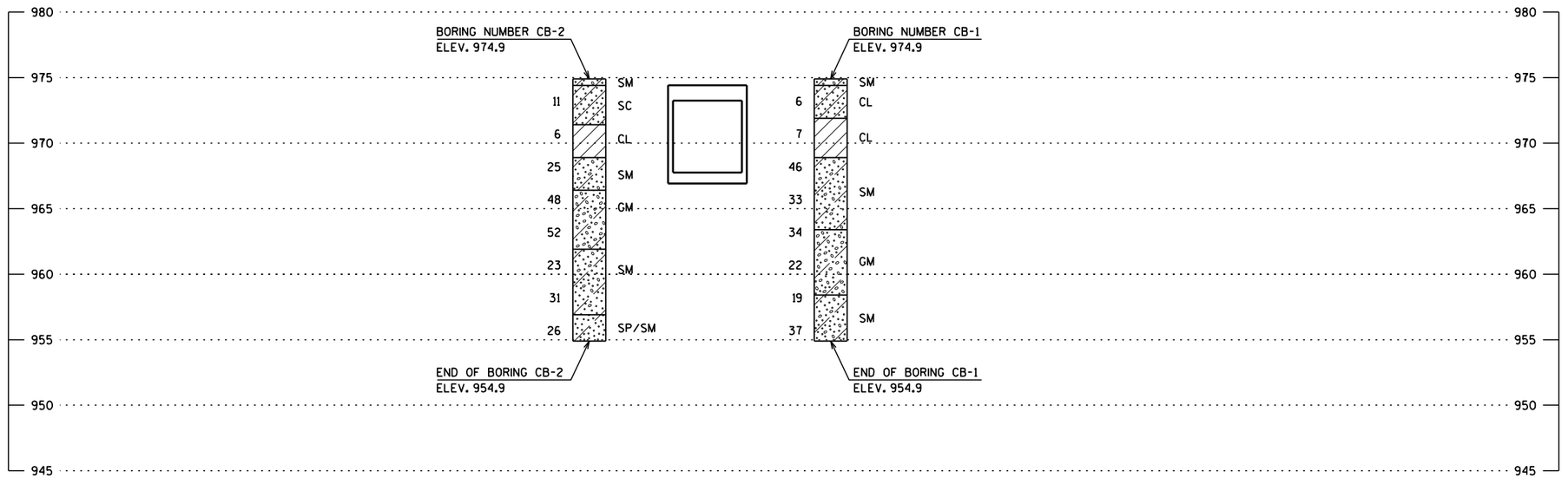
DETAILS

SHEET 5 OF 6

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STATE PROJECT NUMBER
4110-26-71





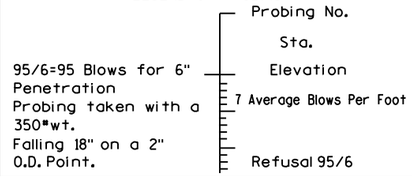
ABBREVIATIONS

F — Fine M — Medium C — Coarse
Ws — Weathered So — Sound

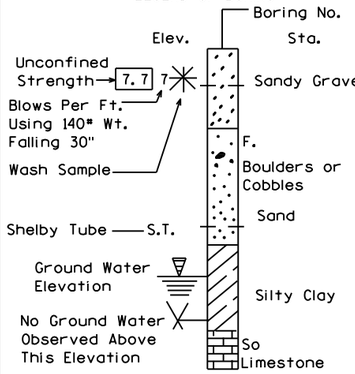
MATERIAL SYMBOLS

Topsoil, 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 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 Division of Highways 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 DESIGN SECTION

STRUCTURE C-20-161

DRAWN BY BRE | PLANS CK'D. KRO

SUBSURFACE EXPLORATION

SHEET 6 OF 6

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USH 45 EARTHWORK CATEGORY 0010

STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Mass Ordinate Note 8
152+00	64.71	0.00	24.03	3.13	0.00	0	0	0	0	0	0	0	0	0.00
152+30	99.09	0.00	131.24	0.51	0.00	91	0	86	2	0	89	116	0	-27.47
153+00	6.76	0.00	68.06	3.82	0.00	137	0	258	6	0	221	465	0	-244.63
154+00	12.55	0.00	9.61	3.49	0.00	36	0	144	14	0	243	659	0	-416.58
155+00	15.01	0.00	0.30	4.92	0.00	51	0	18	16	0	278	684	0	-405.90
156+00	14.59	0.00	0.53	4.52	0.00	55	0	2	17	0	316	686	0	-370.66
157+00	10.69	0.00	1.00	2.44	0.00	47	0	3	13	0	350	690	0	-340.56
158+00	15.93	0.00	0.09	4.26	0.00	49	0	2	12	0	386	693	0	-306.42
158+85	80.29	0.00	58.57	2.55	0.00	151	0	92	11	0	527	818	0	-290.34
159+00	70.20	0.00	4.44	2.46	0.00	42	0	18	1	0	568	841	0	-273.56
160+00	10.34	0.00	0.72	2.20	0.00	149	0	10	9	0	708	854	0	-145.94
163+00	11.85	0.00	1.06	3.01	0.00	123	0	10	29	0	802	867	0	-64.91
165+00	17.35	0.00	0.00	3.71	0.00	108	0	4	25	0	886	873	0	13.08
166+00	15.20	0.00	0.04	3.24	0.00	60	0	0	13	0	933	873	0	60.39
170+00	9.88	0.00	1.06	2.04	0.00	186	0	8	39	0	1,080	884	0	196.12
171+00	10.90	0.00	0.57	2.69	0.00	38	0	3	9	0	1,110	888	0	221.78
171+55	13.35	0.00	1.02	3.09	0.00	25	0	2	6	0	1,128	890	0	238.40
172+00	53.16	0.00	6.35	0.00	0.00	55	0	6	3	0	1,181	898	0	282.96
173+00	65.02	0.00	1.19	0.00	0.00	219	0	14	0	0	1,400	917	0	482.96
174+00	84.17	0.00	7.20	0.00	0.00	276	0	16	0	0	1,676	938	0	738.26
174+25	83.64	0.00	18.31	0.00	0.00	78	0	12	0	0	1,754	954	0	800.01
175+00	74.64	0.00	4.15	0.00	0.00	220	0	31	0	0	1,974	996	0	977.73
176+00	94.17	0.00	0.00	0.00	0.00	313	0	8	0	0	2,286	1,007	0	1,279.95
177+00	10.10	0.00	2.02	3.07	0.00	193	0	4	6	0	2,474	1,012	0	1,462.29
178+00	9.90	0.00	0.14	4.50	0.00	37	0	4	14	0	2,497	1,017	0	1,479.89
178+87	74.55	0.00	28.31	3.76	0.00	136	0	46	13	0	2,620	1,079	0	1,540.76
179+00	83.74	0.00	0.07	4.59	0.00	38	0	7	2	0	2,656	1,088	0	1,567.63
180+00	8.01	0.00	0.00	5.68	0.00	170	0	0	19	0	2,807	1,088	0	1,718.34
181+00	11.13	0.00	0.02	6.06	0.00	35	0	0	22	0	2,820	1,088	0	1,732.00
182+00	13.80	0.00	4.98	5.71	0.00	46	0	9	22	0	2,845	1,101	0	1,743.87
183+00	4.32	0.00	4.49	3.15	0.00	34	0	18	16	0	2,862	1,124	0	1,737.34
184+00	2.93	0.00	3.14	2.67	0.00	13	0	14	11	0	2,864	1,144	0	1,720.91
185+00	3.05	0.00	1.76	2.77	0.00	11	0	9	10	0	2,865	1,156	0	1,709.66
186+00	2.59	0.00	1.74	2.19	0.00	10	0	6	9	0	2,867	1,165	0	1,702.18
187+00	8.89	0.00	3.37	4.36	0.00	21	0	9	12	0	2,876	1,177	0	1,698.54
188+00	5.20	0.00	0.84	3.98	0.00	26	0	8	15	0	2,887	1,188	0	1,698.69
188+15	71.91	0.00	8.93	3.10	0.00	21	0	3	2	0	2,906	1,192	0	1,714.48
189+00	3.65	0.00	0.38	3.25	0.00	119	0	15	10	0	3,015	1,211	0	1,803.63
190+00	5.67	0.00	0.01	4.37	0.00	17	0	1	14	0	3,018	1,212	0	1,805.80
192+03	17.36	0.00	3.92	4.06	0.00	87	0	15	32	0	3,073	1,232	0	1,840.72
193+00	53.11	0.00	0.06	3.99	0.00	127	0	7	14	0	3,185	1,242	0	1,943.21
194+00	22.56	0.00	0.03	4.71	0.00	140	0	0	16	0	3,309	1,242	0	2,067.01
195+00	15.88	0.00	0.14	4.38	0.00	71	0	0	17	0	3,363	1,243	0	2,120.92
196+00	15.68	0.00	0.06	4.62	0.00	58	0	0	17	0	3,405	1,243	0	2,162.19
197+00	12.12	0.00	0.03	5.01	0.00	51	0	0	18	0	3,439	1,243	0	2,195.63
198+12	41.29	0.00	178.84	0.00	0.00	111	0	371	10	0	3,539	1,744	0	1,795.20
				Column Totals		4,084	0	1,292	545	0				

USH 45 EARTHWORK CATEGORY 0010

STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			Mass Ordinate
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Note 8
198+12	41.29	0.00	178.84	0.00	0.00	0	0	0	0	0	0	0	0	0.00
199+00	6.03	0.00	0.04	4.74	0.00	77	0	291	8	0	69	394	0	-324.14
200+00	5.03	0.00	0.10	4.03	0.00	20	0	0	16	0	74	394	0	-320.24
204+00	5.66	0.00	0.14	4.33	0.00	79	0	2	62	0	91	396	0	-305.42
205+00	12.08	0.00	4.64	5.25	0.00	33	0	9	18	0	106	408	0	-302.27
206+00	6.39	0.00	2.28	4.02	0.00	34	0	13	17	0	123	426	0	-302.54
207+00	1.90	0.00	1.75	1.42	0.00	15	0	7	10	0	128	436	0	-307.36
208+00	5.38	0.00	123.26	3.86	0.00	13	0	232	10	0	132	748	0	-616.21
209+00	6.37	0.00	21.99	3.33	0.00	22	0	269	13	0	140	1,111	0	-970.92
210+00	14.91	0.00	1.77	6.54	0.00	39	0	44	18	0	162	1,171	0	-1,009.18
211+00	13.65	0.00	6.36	6.89	0.00	53	0	15	25	0	190	1,191	0	-1,001.46
211+23	15.62	0.00	32.63	7.90	0.00	12	0	17	6	0	196	1,213	0	-1,017.71
212+00	12.48	0.00	0.00	6.86	0.00	40	0	47	21	0	215	1,276	0	-1,061.50
213+00	9.25	0.00	0.00	6.70	0.00	40	0	0	25	0	230	1,276	0	-1,046.37
214+00	6.05	0.00	0.22	4.62	0.00	28	0	0	21	0	237	1,277	0	-1,039.55
215+00	8.19	0.00	0.23	5.37	0.00	26	0	1	18	0	245	1,278	0	-1,032.78
216+00	1.46	0.00	3.10	1.46	0.00	18	0	6	13	0	250	1,286	0	-1,035.84
217+00	3.22	0.00	1.10	2.80	0.00	9	0	8	8	0	251	1,297	0	-1,045.55
218+00	2.86	0.00	0.71	2.73	0.00	11	0	3	10	0	252	1,301	0	-1,049.05
219+00	6.47	0.00	6.17	2.93	0.00	17	0	13	10	0	259	1,318	0	-1,059.43
219+15	5.44	0.00	16.10	3.34	0.00	3	0	6	2	0	261	1,327	0	-1,066.21
220+00	64.10	0.00	7.37	3.03	0.00	109	0	37	10	0	360	1,377	0	-1,016.64
220+40	63.36	0.00	35.78	2.16	0.00	94	0	32	4	0	451	1,420	0	-969.21
221+00	83.89	0.00	29.50	3.70	0.00	164	0	73	7	0	608	1,518	0	-910.04
222+00	4.11	0.00	0.16	3.30	0.00	163	0	55	13	0	758	1,592	0	-834.22
223+00	4.66	0.00	3.64	3.20	0.00	16	0	7	12	0	762	1,601	0	-839.54
224+00	2.92	0.00	2.45	2.44	0.00	14	0	11	10	0	765	1,617	0	-851.17
225+00	3.21	0.00	2.44	2.82	0.00	11	0	9	10	0	767	1,629	0	-861.77
226+00	2.10	0.00	1.18	2.10	0.00	10	0	7	9	0	768	1,638	0	-870.08
226+50	22.91	0.00	1.27	1.42	0.00	23	0	2	3	0	788	1,641	0	-853.25
226+90.63	12.13	0.00	1.29	1.66	0.00	26	0	2	2	0	812	1,644	0	-831.80
227+00	12.15	0.00	0.85	1.63	0.00	4	0	0	1	0	815	1,644	0	-828.66
227+15.63	14.30	0.00	0.20	2.02	0.00	8	0	0	1	0	822	1,644	0	-822.47
227+40.63	16.99	0.00	0.08	2.44	0.00	14	0	0	2	0	834	1,645	0	-810.23
228+00	12.32	0.00	0.25	2.08	0.00	32	0	0	5	0	862	1,645	0	-783.48
228+89	67.06	0.00	374.79	3.52	0.00	131	0	618	9	0	983	2,480	0	-1,496.35
229+00	10.10	0.00	192.70	3.62	0.00	16	0	116	1	0	998	2,636	0	-1,638.15
230+00	26.25	0.00	0.00	5.97	0.00	67	0	357	18	0	1,047	3,117	0	-2,070.36
230+54.28	22.45	0.00	0.00	4.89	0.00	49	0	0	11	0	1,085	3,117	0	-2,032.33
230+79.28	21.19	0.00	0.12	4.37	0.00	20	0	0	4	0	1,101	3,117	0	-2,016.49
231+04.28	21.26	0.00	6.70	4.95	0.00	20	0	3	4	0	1,116	3,122	0	-2,005.41
235+00	6.03	0.00	0.08	4.65	0.00	200	0	50	70	0	1,246	3,189	0	-1,942.82
236+00	6.49	0.00	0.55	4.48	0.00	23	0	1	17	0	1,252	3,190	0	-1,938.12
237+00	6.31	0.00	0.61	4.53	0.00	24	0	2	17	0	1,259	3,193	0	-1,934.01

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STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Mass Ordinate Note 8
238+00	6.09	0.00	0.48	4.58	0.00	23	0	2	17	0	1,265	3,196	0	-1,930.64
239+00	5.63	0.00	0.35	4.43	0.00	22	0	2	17	0	1,270	3,198	0	-1,927.70
240+00	5.37	0.00	1.02	3.51	0.00	20	0	3	15	0	1,276	3,202	0	-1,925.47
241+00	4.52	0.00	0.02	3.74	0.00	18	0	2	13	0	1,281	3,204	0	-1,923.16
242+00	4.42	0.00	0.15	3.87	0.00	17	0	0	14	0	1,283	3,205	0	-1,921.09
242+50	3.28	0.00	0.19	3.08	0.00	7	0	0	6	0	1,284	3,205	0	-1,920.81
242+60	3.88	0.00	0.40	3.52	0.00	1	0	0	1	0	1,284	3,205	0	-1,920.85
243+00	11.11	0.00	0.00	4.40	0.00	11	0	0	6	0	1,289	3,205	0	-1,916.01
243+50	6.54	0.00	0.08	4.62	0.00	16	0	0	8	0	1,297	3,206	0	-1,908.13
244+00	4.64	0.00	11.23	4.02	0.00	10	0	10	8	0	1,300	3,220	0	-1,919.91
244+22	60.24	0.00	47.05	3.41	0.00	26	0	24	3	0	1,323	3,252	0	-1,928.56
245+00	4.66	0.00	3.72	3.08	0.00	94	0	73	9	0	1,408	3,351	0	-1,943.19
245+75	1.91	0.00	15.64	1.41	0.00	9	0	27	6	0	1,410	3,387	0	-1,976.61
246+00	1.63	0.00	2.64	1.63	0.00	2	0	8	1	0	1,411	3,399	0	-1,987.80
247+00	67.56	12.00	0.00	0.00	0.08	128	22	5	3	0	1,514	3,405	0	-1,891.70
248+00	68.06	12.00	0.00	0.00	0.11	251	44	0	0	0	1,720	3,405	1	-1,685.46
249+00	53.37	12.00	2.72	0.00	0.13	225	44	5	0	0	1,901	3,412	1	-1,512.42
249+50	94.15	12.00	7.06	0.00	0.14	137	22	9	0	0	2,015	3,424	2	-1,410.62
249+97	43.62	12.00	66.39	0.00	0.18	120	21	64	0	0	2,114	3,510	2	-1,398.28
250+00	44.09	12.00	49.73	0.00	0.00	5	1	6	0	0	2,118	3,519	2	-1,403.47
251+00	7.04	0.00	0.67	4.23	0.00	95	22	93	8	0	2,182	3,645	2	-1,464.82
252+00	7.53	0.00	0.19	5.11	0.00	27	0	2	17	0	2,192	3,647	2	-1,457.27
253+00	8.64	0.00	0.14	5.57	0.00	30	0	1	20	0	2,202	3,648	2	-1,447.91
254+00	8.28	0.00	0.03	5.51	0.00	31	0	0	21	0	2,213	3,649	2	-1,437.52
255+00	5.35	0.00	0.02	4.19	0.00	25	0	0	18	0	2,220	3,649	2	-1,430.39
256+00	13.12	0.00	0.13	5.51	0.00	34	0	0	18	0	2,237	3,649	2	-1,414.56
257+00	7.02	0.00	0.00	4.73	0.00	37	0	0	19	0	2,255	3,649	2	-1,396.58
258+00	13.36	0.00	0.07	4.79	0.00	38	0	0	18	0	2,275	3,650	2	-1,376.66
259+00	6.28	0.00	0.02	4.53	0.00	36	0	0	17	0	2,294	3,650	2	-1,357.79
260+00	6.62	0.00	0.69	4.68	0.00	24	0	1	17	0	2,301	3,652	2	-1,352.75
261+00	6.08	0.00	1.90	4.95	0.00	24	0	5	18	0	2,307	3,658	2	-1,353.52
262+00	5.47	0.00	0.21	4.42	0.00	21	0	4	17	0	2,311	3,663	2	-1,354.74
262+48	102.06	12.00	50.84	0.00	9.15	96	11	45	4	8	2,392	3,725	13	-1,346.00
263+00	63.88	12.00	0.18	0.00	11.16	160	23	49	0	20	2,528	3,791	39	-1,302.04
264+00	54.66	12.00	0.00	0.00	15.19	220	44	0	0	49	2,703	3,791	105	-1,193.29
265+00	53.57	12.00	0.00	0.00	15.21	200	44	0	0	56	2,859	3,791	181	-1,113.30
265+67	76.10	12.00	66.33	0.00	14.62	161	30	82	0	37	2,990	3,902	231	-1,143.25
266+00	57.24	12.00	2.29	0.00	16.48	81	15	42	0	19	3,057	3,959	257	-1,158.70
267+00	54.67	12.00	0.73	0.00	22.19	207	44	6	0	72	3,220	3,967	354	-1,100.16
268+00	60.06	12.00	0.40	0.00	21.29	212	44	2	0	81	3,388	3,969	462	-1,043.67
269+00	5.87	0.00	5.54	3.50	0.00	122	22	11	6	39	3,481	3,984	515	-1,018.34
270+00	4.45	0.00	2.10	3.25	0.00	19	0	14	12	0	3,488	4,003	515	-1,030.81
275+00	1.63	0.00	2.08	1.63	0.00	56	0	39	45	0	3,499	4,056	515	-1,071.99
276+00	2.49	0.00	3.23	2.47	0.00	8	0	10	8	0	3,499	4,069	515	-1,085.24
277+00	1.61	0.00	3.53	1.61	0.00	8	0	13	8	0	3,499	4,086	515	-1,102.11
280+00	7.17	0.00	0.05	5.27	0.00	49	0	20	38	0	3,510	4,113	515	-1,118.39
285+00	3.33	0.00	1.93	3.15	0.00	97	0	18	78	0	3,529	4,138	515	-1,123.90
290+00	5.43	0.00	0.69	3.17	0.00	81	0	24	59	0	3,552	4,170	515	-1,134.19

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STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			Mass Ordinate
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Note 8
291+00	3.60	0.00	1.80	3.23	0.00	17	0	5	12	0	3,556	4,177	515	-1,135.56
292+00	3.02	0.00	4.89	2.46	0.00	12	0	12	11	0	3,558	4,193	515	-1,150.58
293+00	3.90	0.00	1.37	3.06	0.00	13	0	12	10	0	3,561	4,209	515	-1,163.64
294+00	4.53	0.00	3.67	3.33	0.00	16	0	9	12	0	3,565	4,222	515	-1,172.46
295+00	63.37	0.00	3.49	0.00	0.00	126	0	13	6	0	3,684	4,239	515	-1,070.78
296+00	48.92	0.00	4.05	0.00	0.00	208	0	14	0	0	3,892	4,258	515	-881.69
297+00	52.76	0.00	39.90	0.00	0.00	188	0	81	0	0	4,080	4,368	515	-803.28
297+16.14	54.86	0.00	118.23	0.00	0.00	32	0	47	0	0	4,113	4,432	515	-834.93
298+00	6.05	0.00	2.84	3.26	0.00	95	0	188	5	0	4,202	4,686	515	-999.21
299+00	77.74	0.00	1.83	2.22	0.00	155	0	9	10	0	4,347	4,697	515	-865.87
299+47	225.88	0.00	5.70	0.00	0.00	264	0	7	2	0	4,609	4,706	515	-612.39
300+00	67.89	0.00	14.40	0.00	0.00	288	0	20	0	0	4,898	4,733	515	-350.72
301+00	66.75	0.00	14.25	0.00	0.00	249	0	53	0	0	5,147	4,805	515	-173.04
302+00	63.49	0.00	0.50	0.00	0.00	241	0	27	0	0	5,388	4,841	515	31.26
302+15	100.55	0.00	0.10	0.00	0.00	46	0	0	0	0	5,434	4,842	515	76.60
303+00	53.09	0.00	1.38	0.00	0.00	242	0	2	0	0	5,676	4,845	515	315.31
304+00	70.57	0.00	1.00	0.00	0.00	229	0	4	0	0	5,905	4,851	515	538.37
305+00	6.15	0.00	0.28	4.69	0.00	142	0	2	9	0	6,038	4,854	515	668.56
306+00	5.81	0.00	2.12	4.80	0.00	22	0	4	18	0	6,043	4,860	515	667.14
306+50	8.81	0.00	0.00	4.60	0.00	14	0	2	9	0	6,047	4,863	515	669.33
306+90	7.30	0.00	4.45	4.15	0.00	12	0	3	6	0	6,053	4,867	515	670.34
307+00	3.85	0.00	4.85	3.68	0.00	2	0	2	1	0	6,054	4,869	515	668.63
308+00	5.09	0.00	30.51	4.11	0.00	17	0	65	14	0	6,056	4,958	515	582.37
308+22	61.24	0.00	13.32	1.73	0.00	27	0	18	2	0	6,080	4,982	515	582.91
308+60	31.86	0.00	0.08	2.61	0.00	66	0	9	3	0	6,143	4,995	515	632.63
309+00	37.56	0.00	0.23	2.14	0.00	51	0	0	4	0	6,191	4,995	515	680.22
310+00	36.38	0.00	0.14	2.05	0.00	137	0	1	8	0	6,320	4,996	515	808.47
310+35	25.09	0.00	1.39	1.12	0.00	40	0	1	2	0	6,358	4,997	515	844.92
311+00	38.36	0.00	0.69	1.47	0.00	76	0	3	3	0	6,431	5,001	515	914.79
312+00	76.51	0.00	0.00	1.30	0.00	213	0	1	5	0	6,638	5,002	515	1,120.64
312+07	111.60	0.00	0.00	1.54	0.00	24	0	0	0	0	6,663	5,002	515	1,144.67
313+00	78.29	0.00	3.07	0.86	0.00	327	0	5	4	0	6,985	5,010	515	1,460.41
313+34	105.09	0.00	0.00	1.19	0.00	115	0	2	1	0	7,100	5,012	515	1,571.98
314+00	109.94	0.00	15.74	0.80	0.00	263	0	19	2	0	7,360	5,038	515	1,806.39
314+64	197.65	0.00	43.67	0.61	0.00	365	0	70	2	0	7,723	5,133	515	2,074.23
315+00	46.55	0.00	29.35	0.82	0.00	163	0	49	1	0	7,885	5,199	515	2,170.36
315+15	66.04	0.00	19.12	0.72	0.00	31	0	13	0	0	7,916	5,217	515	2,183.03
315+35	84.82	0.00	0.21	0.76	0.00	56	0	7	1	0	7,971	5,227	515	2,228.69
317+00	66.22	0.00	0.82	0.52	0.00	462	0	3	4	0	8,429	5,231	515	2,682.04
317+07	91.68	0.00	0.43	0.54	0.00	20	0	0	0	0	8,449	5,231	515	2,702.15
318+00	14.52	0.00	2.87	2.45	0.00	183	0	6	5	0	8,627	5,239	515	2,872.23
319+00	58.73	0.00	1.15	0.00	0.00	136	0	7	5	0	8,758	5,249	515	2,993.29
319+32	121.02	0.00	0.00	0.00	0.00	107	0	1	0	0	8,864	5,250	515	3,098.89
320+00	98.26	0.00	0.91	0.00	0.00	276	0	1	0	0	9,140	5,251	515	3,373.47
320+30	126.13	0.00	0.00	0.00	0.00	125	0	1	0	0	9,265	5,252	515	3,497.45
321+00	120.54	12.00	0.61	0.00	9.31	320	16	1	0	12	9,569	5,253	532	3,784.30
322+00	130.90	12.00	0.00	0.00	7.94	466	44	1	0	32	9,990	5,255	575	4,160.85

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STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			Mass Ordinate
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Note 8
323+00	112.79	12.00	0.03	0.00	4.02	451	44	0	0	22	10,397	5,255	605	4,537.70
323+65	123.21	12.00	0.04	0.00	2.81	284	29	0	0	8	10,652	5,255	616	4,781.65
324+00	126.42	12.00	0.00	0.00	3.12	162	16	0	0	4	10,799	5,255	621	4,922.66
325+00	79.94	0.00	2.22	0.00	0.00	382	22	4	0	6	11,159	5,260	629	5,269.25
326+00	85.18	0.00	7.88	0.00	0.00	306	0	19	0	0	11,464	5,286	629	5,549.78
326+35	103.78	0.00	0.00	0.00	0.00	122	0	5	0	0	11,587	5,293	629	5,665.36
327+00	78.91	0.00	0.00	0.00	0.00	220	0	0	0	0	11,807	5,293	629	5,885.27
328+00	20.85	0.00	0.57	4.54	0.00	185	0	1	8	0	11,983	5,294	629	6,060.18
329+00	19.72	0.00	0.02	5.05	0.00	75	0	1	18	0	12,040	5,295	629	6,116.06
330+00	11.53	0.00	0.00	3.92	0.00	58	0	0	17	0	12,082	5,296	629	6,157.26
331+02	47.09	0.00	154.98	1.89	0.00	111	0	293	11	0	12,181	5,691	629	5,861.81
332+00	27.60	0.00	3.06	3.65	0.00	136	0	287	10	0	12,307	6,078	629	5,600.09
333+00	25.08	0.00	2.58	3.68	0.00	98	0	10	14	0	12,391	6,092	629	5,669.96
334+00	25.20	0.00	2.37	2.42	0.00	93	0	9	11	0	12,473	6,104	629	5,739.40
334+30	34.30	0.00	0.16	2.00	0.00	33	0	1	2	0	12,503	6,106	629	5,768.11
335+00	28.66	0.00	0.90	2.32	0.00	82	0	1	6	0	12,579	6,108	629	5,842.29
336+00	25.43	0.00	1.55	2.21	0.00	100	0	5	8	0	12,671	6,114	629	5,927.93
337+00	27.47	0.00	0.77	3.16	0.00	98	0	4	10	0	12,759	6,120	629	6,010.15
338+00	26.93	0.00	1.30	3.77	0.00	101	0	4	13	0	12,847	6,125	629	6,092.88
339+00	13.54	0.00	0.54	4.28	0.00	75	0	3	15	0	12,907	6,130	629	6,148.32
340+00	15.85	0.00	0.26	5.47	0.00	54	0	1	18	0	12,943	6,132	629	6,182.68
340+67	19.61	0.00	0.19	5.56	0.00	44	0	1	14	0	12,974	6,133	629	6,212.25
345+00	12.70	0.00	0.16	3.64	0.00	259	0	3	74	0	13,159	6,136	629	6,393.84
346+00	13.54	0.00	0.06	3.32	0.00	49	0	0	13	0	13,195	6,137	629	6,428.99
347+00	55.13	12.00	0.03	0.00	0.00	127	22	0	6	0	13,294	6,137	629	6,527.54
348+00	54.75	12.00	0.19	0.00	0.00	203	44	0	0	0	13,453	6,138	629	6,686.02
348+50	84.67	12.00	0.02	0.00	0.00	129	22	0	0	0	13,559	6,138	629	6,792.63
349+00	112.65	12.00	4.49	0.00	0.00	183	22	4	0	0	13,720	6,144	629	6,947.47
350+00	133.19	12.00	4.69	0.00	0.00	455	44	17	0	0	14,131	6,167	629	7,335.33
350+88	207.34	12.00	40.08	0.00	0.00	555	39	73	0	0	14,647	6,265	629	7,752.66
351+00	204.80	12.00	9.27	0.00	0.00	92	5	11	0	0	14,733	6,280	629	7,824.11
351+05	201.11	12.00	55.06	0.00	0.00	38	2	6	0	0	14,768	6,288	629	7,851.43
352+00	131.06	12.00	2.26	0.00	0.00	584	42	101	0	0	15,310	6,424	629	8,257.46
353+00	141.85	12.00	0.98	0.00	0.00	505	44	6	0	0	15,771	6,432	629	8,710.32
353+50	95.36	12.00	0.59	0.00	0.00	220	22	1	0	0	15,969	6,434	629	8,905.78
354+00	118.14	12.00	8.63	0.00	0.00	198	22	9	0	0	16,144	6,446	629	9,069.72
355+00	112.81	12.00	5.01	0.00	0.00	428	44	25	0	0	16,527	6,480	629	9,418.85
356+00	58.24	12.00	0.00	0.00	0.00	317	44	9	0	0	16,800	6,492	629	9,678.64
357+00	14.26	0.00	0.00	3.74	0.00	134	22	0	7	0	16,905	6,492	629	9,783.75
358+00	9.40	0.00	0.02	5.74	0.00	44	0	0	18	0	16,931	6,492	629	9,809.95
359+00	4.20	0.00	2.31	2.87	0.00	25	0	4	16	0	16,940	6,498	629	9,813.39
360+00	6.00	0.00	0.78	4.89	0.00	19	0	6	14	0	16,945	6,506	629	9,810.21
361+00	14.82	0.00	0.00	6.82	0.00	39	0	1	22	0	16,962	6,508	629	9,825.13
362+00	10.70	0.00	0.04	5.81	0.00	47	0	0	23	0	16,986	6,508	629	9,848.89

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USH 45 EARTHWORK CATEGORY 0010

STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded EBS Backfill 1.35 Note 5	Mass Ordinate Note 8
363+00	2.76	0.00	4.63	2.41	0.00	25	0	9	15	0	16,995	6,520	629	9,846.92
364+00	169.98	12.00	0.01	0.00	0.00	320	22	9	4	0	17,289	6,531	629	10,128.53
364+60	204.78	12.00	0.00	0.00	0.00	416	27	0	0	0	17,678	6,531	629	10,518.26
365+00	196.08	12.00	0.00	0.00	0.00	297	18	0	0	0	17,957	6,531	629	10,797.42
366+00	218.93	12.00	0.00	0.00	0.00	769	44	0	0	0	18,682	6,531	629	11,521.52
367+00	218.16	0.00	0.00	0.00	0.00	809	22	0	0	0	19,469	6,531	629	12,308.73
368+00	164.95	0.00	0.00	0.00	0.00	709	0	0	0	0	20,178	6,531	629	13,018.20
368+10	145.25	0.00	0.54	0.00	0.00	57	0	0	0	0	20,236	6,531	629	13,075.52
369+00	111.02	0.00	4.73	0.00	0.00	427	0	9	0	0	20,663	6,543	629	13,490.80
370+00	117.85	0.00	0.56	0.00	0.00	424	0	10	0	0	21,087	6,556	629	13,901.43
370+35.99	148.59	0.00	20.10	0.00	0.00	178	0	14	0	0	21,264	6,575	629	14,060.43
370+50	141.80	0.00	16.47	0.00	0.00	75	0	9	0	0	21,340	6,588	629	14,122.96
371+00	26.80	0.00	0.00	15.80	0.00	156	0	15	15	0	21,481	6,608	629	14,243.84
372+00	58.58	0.00	0.00	18.25	0.00	158	0	0	63	0	21,576	6,608	629	14,338.88
373+00	38.88	0.00	0.81	11.97	0.00	180	0	1	56	0	21,701	6,610	629	14,461.38
374+00	22.85	0.00	0.21	3.65	0.00	114	0	2	29	0	21,786	6,613	629	14,544.24
375+00	8.47	0.00	0.69	6.88	0.00	58	0	2	20	0	21,824	6,615	629	14,580.48
376+00	12.57	0.00	2.22	7.01	0.00	39	0	5	26	0	21,838	6,622	629	14,586.45
376+41.03	0.00	0.00	0.00	0.00	0.00	10	0	2	5	0	21,842	6,625	629	14,588.40
				Column Totals		24,991	1,205	4,907	1,945	466				

USH 45 EARTHWORK CATEGORY 0010

STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Reduced EBS In Fill 0.80 Note 7	Mass Ordinate Note 8
377+06.69	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0.00	0.00
377+25	15.65	0.00	0.30	9.62	0.00	5	0	0	3	0	2	0	0.00	1.90
378+00	9.14	0.00	1.75	5.78	0.00	34	0	3	21	0	15	4	0.00	11.08
378+90	18.15	0.00	0.00	6.57	0.00	45	0	3	21	0	40	8	0.00	32.02
379+00	11.90	0.00	0.25	7.14	0.00	6	0	0	3	0	43	8	0.00	34.99
380+00	6.22	0.00	0.96	4.39	0.00	34	0	2	21	0	55	11	0.00	44.14
381+00	10.85	0.00	0.04	4.98	0.00	32	0	2	17	0	69	14	0.00	55.88
381+50	17.25	0.00	0.00	7.07	0.00	26	0	0	11	0	84	14	0.00	70.70
382+00	16.97	0.00	0.04	9.18	0.00	32	0	0	15	0	101	14	0.00	87.29
383+00	5.05	0.00	1.08	3.80	0.00	41	0	2	24	0	118	16	0.00	101.24
384+00	4.33	0.00	3.86	3.22	0.00	17	0	9	13	0	122	29	0.00	93.26
385+00	10.19	0.00	1.51	6.86	0.00	27	0	10	19	0	130	42	0.00	88.07
386+00	8.26	0.00	0.36	5.03	0.00	34	0	3	22	0	142	47	0.00	95.56
				Column Totals		333	0	35	190	0				

USH 45 EARTHWORK CATEGORY 0010

STATION	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material Exist Concrete	AREA (SF) Fill	AREA (SF) Salvaged/Unusable Pavement Material Milled Asphalt	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) Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Cumulative Vol (CY) Expanded Fill 1.35	Cumulative Vol (CY) Reduced EBS In Fill 0.80 Note 7	Mass Ordinate Note 8
398+75	0.00	0.00	1.01	0.00		0.00	0.00	0.00	0.00		0	0	0.00	0.00
399+00	0.00	0.00	0.79	0.00		0.70	0.00	0.83	0.00		1	1	0.00	-0.42
399+25	1.51	0.00	1.04	0.00		1.67	0.00	0.84	0.00		2	2	0.00	0.12
399+50	2.10	0.00	2.53	0.00		0.97	0.00	1.65	0.00		3	4	0.00	-1.14
399+75	0.00	0.00	2.03	0.00		0.27	0.00	2.11	0.00		4	7	0.00	-3.72
400+00	0.59	0.00	1.49				0.00	1.62	0.00		4	10	0.00	-5.91
406+00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		4	10	0.00	-5.91
406+25	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		4	10	0.00	-5.91
406+50	0.00	0.00	0.50	0.00		0.00	0.00	0.23	0.00		4	10	0.00	-6.22
406+71	0.00	0.00	0.12	0.00		0.00	0.00	0.24	0.00		4	10	0.00	-6.54
409+25	0.00	0.00	0.96	0.00		0.00	0.00	0.00	0.00		4	10	0.00	-6.54
409+50	0.00	0.00	6.14	0.00		0.00	0.00	3.29	0.00		4	15	0.00	-10.98
410+00	0.00	0.00	3.08	0.00		0.00	0.00	8.53	0.00		4	26	0.00	-22.50
410+50	0.00	0.00	5.02	0.00		0.00	0.00	7.50	0.00		4	36	0.00	-32.62
411+00	0.00	0.00	5.61	0.00		0.00	0.00	9.84	0.00		4	50	0.00	-45.91
411+50	0.00	0.00	3.93	0.00		0.00	0.00	8.83	0.00		4	61	0.00	-57.83
412+00	0.00	0.00	4.46	0.00		0.00	0.00	7.76	0.00		4	72	0.00	-68.30
412+50	0.00	0.00	2.32	0.00		0.00	0.00	6.27	0.00		4	80	0.00	-76.77
412+60	0.00	0.00	0.00	0.00		0.00	0.00	0.42	0.00		4	81	0.00	-77.34
413+00	0.00	0.00	1.92	0.00		0.00	0.00	1.42	0.00		4	83	0.00	-79.25
413+50	0.00	0.00	2.06	0.00		0.00	0.00	3.69	0.00		4	88	0.00	-84.23
414+00	0.00	0.00	0.47	0.00		0.00	0.00	2.34	0.00		4	91	0.00	-87.39
420+46	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		4	91	0.00	-87.39
420+50	0.00	0.00	2.14	0.00		0.00	0.00	0.16	0.00		4	91	0.00	-87.61
421+00	0.00	0.00	2.33	0.00		0.00	0.00	4.14	0.00		4	97	0.00	-93.20
421+25	0.00	0.00	6.26	0.00		0.00	0.00	3.98	0.00		4	102	0.00	-98.57
421+38	0.00	0.00	5.83	0.00		0.00	0.00	2.91	0.00		4	106	0.00	-102.50
421+50	0.00	0.00	6.51	0.00		0.00	0.00	2.74	0.00		4	110	0.00	-106.20
421+75	0.00	0.00	10.30	0.00		0.00	0.00	7.78	0.00		4	120	0.00	-116.70
422+00	0.00	0.00	15.12	0.00		0.00	0.00	11.77	0.00		4	136	0.00	-132.59
422+25	0.00	0.00	16.20	0.00		0.00	0.00	14.50	0.00		4	156	0.00	-152.17
422+50	0.00	0.00	17.04	0.00		0.00	0.00	15.39	0.00		4	177	0.00	-172.94
422+75	0.00	0.00	17.66	0.00		0.00	0.00	16.06	0.00		4	198	0.00	-194.62
423+00	0.00	0.00	12.97	0.00		0.00	0.00	14.18	0.00		4	217	0.00	-213.77
423+25	0.00	0.00	13.24	0.00		0.00	0.00	12.13	0.00		4	234	0.00	-230.14
423+26	0.00	0.00	7.70	0.00		0.00	0.00	0.39	0.00		4	234	0.00	-230.67
423+50	0.00	0.00	8.27	0.00		0.00	0.00	7.10	0.00		4	244	0.00	-240.25
423+75	0.00	0.00	11.18	0.00		0.00	0.00	9.00	0.00		4	256	0.00	-252.40
424+00	0.00	0.00	11.84	0.00		0.00	0.00	10.66	0.00		4	270	0.00	-266.80
424+24	0.00	0.00	8.24	0.00		0.00	0.00	8.92	0.00		4	282	0.00	-278.84
424+25	0.00	0.00	9.41	0.00		0.00	0.00	0.33	0.00		4	283	0.00	-279.28
424+50	0.00	0.00	11.31	0.00		0.00	0.00	9.59	0.00		4	296	0.00	-292.23
424+55	0.00	0.00	9.97	0.00		0.00	0.00	1.97	0.00		4	298	0.00	-294.89
425+00	0.00	0.00	4.32	0.00		0.00	0.00	11.91	0.00		4	315	0.00	-310.97
425+50	0.00	0.00	7.37	0.00		0.00	0.00	10.82	0.00		4	329	0.00	-325.57
426+00	0.00	0.00	5.54	0.00		0.00	0.00	11.95	0.00		4	345	0.00	-341.71
426+25	0.00	0.00	4.98	0.00		0.00	0.00	4.87	0.00		4	352	0.00	-348.28

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USH 45 EARTHWORK CATEGORY 0010 CONTINUED

STATION	AREA (SF)					Incremental Vol (CY) (Unadjusted)					Cumulative Vol (CY)			
	Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Reduced EBS In Fill 0.80 Note 7	Mass Ordinate Note 8
426+50	0.00	0.00	6.11	0.00		0.00	0.00	5.13	0.00		4	359	0.00	-355.21
427+00	0.00	0.00	7.05	0.00		0.00	0.00	12.19	0.00		4	375	0.00	-371.66
427+50	0.00	0.00	5.57	0.00		0.00	0.00	11.68	0.00		4	391	0.00	-387.43
428+00	0.00	0.00	5.02	0.00		0.00	0.00	9.80	0.00		4	404	0.00	-400.66
428+50	0.00	0.00	8.35	0.00		0.00	0.00	12.38	0.00		4	421	0.00	-417.37
429+00	0.00	0.00	1.55	0.00		0.00	0.00	9.17	0.00		4	433	0.00	-429.75
429+45	0.00	0.00	0.83	0.00		0.00	0.00	1.98	0.00		4	436	0.00	-432.43
429+50	0.00	0.00	1.24	0.00		0.00	0.00	0.19	0.00		4	436	0.00	-432.68
429+75	0.00	0.00	4.15	0.00		0.00	0.00	2.50	0.00		4	440	0.00	-436.06
430+00	0.00	0.00	6.27	0.00		0.00	0.00	4.82	0.00		4	446	0.00	-442.57
430+25	0.00	0.00	8.02	0.00		0.00	0.00	6.62	0.00		4	455	0.00	-451.50
430+50	0.00	0.00	6.25	0.00		0.00	0.00	6.60	0.00		4	464	0.00	-460.41
430+75	0.00	0.00	8.89	0.00		0.00	0.00	7.01	0.00		4	473	0.00	-469.88
431+00	0.00	0.00	6.48	0.00		0.00	0.00	7.11	0.00		4	483	0.00	-479.47
431+25	0.00	0.00	5.92	0.00		0.00	0.00	5.74	0.00		4	491	0.00	-487.22
431+50	0.00	0.00	7.29	0.00		0.00	0.00	6.12	0.00		4	499	0.00	-495.49
431+75	0.00	0.00	11.22	0.00		0.00	0.00	8.57	0.00		4	511	0.00	-507.05
432+00	0.00	0.00	10.11	0.00		0.00	0.00	9.88	0.00		4	524	0.00	-520.39
432+25	0.00	0.00	11.11	0.00		0.00	0.00	9.82	0.00		4	537	0.00	-533.65
432+50	0.00	0.00	9.51	0.00		0.00	0.00	9.55	0.00		4	550	0.00	-546.54
432+75	0.00	0.00	9.30	0.00		0.00	0.00	8.71	0.00		4	562	0.00	-558.30
433+00	0.00	0.00	8.29	0.00		0.00	0.00	8.14	0.00		4	573	0.00	-569.29
433+50	0.00	0.00	8.21	0.00		0.00	0.00	15.27	0.00		4	594	0.00	-589.90
434+00	0.00	0.00	7.62	0.00		0.00	0.00	14.66	0.00		4	613	0.00	-609.70
434+25	0.00	0.00	4.07	0.00		0.00	0.00	5.41	0.00		4	621	0.00	-617.00
434+50	0.00	0.00	9.19	0.00		0.00	0.00	6.14	0.00		4	629	0.00	-625.29
434+75	0.00	0.00	6.75	0.00		0.00	0.00	7.38	0.00		4	639	0.00	-635.25
435+00	0.00	0.00	6.42	0.00		0.00	0.00	6.10	0.00		4	647	0.00	-643.49
435+25	0.00	0.00	3.56	0.00		0.00	0.00	4.62	0.00		4	653	0.00	-649.72
435+37	0.00	0.00	1.73	0.00		0.00	0.00	4.62	0.00		4	660	0.00	-655.96
435+58	0.00	0.00	2.54	0.00		0.00	0.00	1.18	0.00		4	661	0.00	-657.55
436+00	0.00	0.00	4.24	0.00		0.00	0.00	1.66	0.00		4	663	0.00	-659.79
436+25	0.00	0.00	5.56	0.00		0.00	0.00	5.27	0.00		4	671	0.00	-666.91
438+00	0.00	0.00	2.54	0.00		0.00	0.00	0.00	0.00		4	671	0.00	-666.91
438+50	0.00	0.00	2.69	0.00		0.00	0.00	4.84	0.00		4	677	0.00	-673.44
439+25	0.00	0.00	6.23	0.00		0.00	0.00	0.00	0.00		4	677	0.00	-673.44
439+50	0.00	0.00	6.10	0.00		0.00	0.00	5.71	0.00		4	685	0.00	-681.15
439+75	0.00	0.00	5.97	0.00		0.00	0.00	5.59	0.00		4	692	0.00	-688.70
440+25	0.22	0.00	4.20	0.00		0.00	0.00	0.00	0.00		4	692	0.00	-688.70
440+50	1.50	0.00	5.41	0.00		1.59	0.00	6.49	0.00		5	701	0.00	-695.87
441+25	1.94	0.00	8.62	0.00		0.00	0.00	0.00	0.00		5	701	0.00	-695.87
441+50	0.00	0.00	6.83			0.88	0.00	3.16	0.00		6	705	0.00	-699.25
441+75	0.00	0.00	7.57	0.00		0.00	0.00	6.67	0.00		6	714	0.00	-708.26
442+00	0.00	0.00	6.77	0.00		0.00	0.00	6.64	0.00		6	723	0.00	-717.22
442+25	0.00	0.00	5.63	0.00		0.00	0.00	5.74	0.00		6	731	0.00	-724.97
442+50	0.00	0.00	2.30	0.00		0.00	0.00	3.67	0.00		6	736	0.00	-729.93

CONTINUED ON NEXT PAGE

USH 45 EARTHWORK CATEGORY 0010 CONTINUED

STATION	AREA (SF) Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Incremental Vol (CY) (Unadjusted) Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	EBS	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.35	Reduced EBS In Fill 0.80 Note 7	Mass Ordinate Note 8
443+25	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		6	736	0.00	-729.93
443+75	0.35	0.00	4.74	0.00		0.32	0.00	4.39	0.00		6	742	0.00	-735.53
444+00	0.14	0.00	7.50	0.00		0.23	0.00	5.67	0.00		7	750	0.00	-742.96
444+50	0.40	0.00	18.59	0.00		0.50	0.00	24.15	0.00		7	782	0.00	-775.06
444+75	12.48	0.00	63.61	0.00		5.96	0.00	38.05	0.00		13	834	0.00	-820.47
444+88	12.95	0.00	62.86	0.00		6.12	0.00	30.45	0.00		19	875	0.00	-855.46
445+00	7.07	0.00	55.51	0.00		4.45	0.00	26.28	0.00		24	910	0.00	-886.48
445+25	5.72	0.00	41.43	0.00		5.92	0.00	44.83	0.00		30	971	0.00	-941.08
445+50	6.58	0.00	26.08	0.00		5.69	0.00	31.25	0.00		35	1,013	0.00	-977.58
446+00	2.33	0.00	19.39	0.00		8.25	0.00	42.10	0.00		44	1,070	0.00	-1,026.17
446+50	0.00	0.00	10.37	0.00		2.16	0.00	27.56	0.00		46	1,107	0.00	-1,061.21
447+00	0.00	0.00	0.75	0.00		0.00	0.00	0.00	0.00		46	1,107	0.00	-1,061.21
447+50	0.00	0.00	8.46	0.00		0.00	0.00	8.53	0.00		46	1,118	0.00	-1,072.73
448+00	0.00	0.00	11.52	0.00		0.00	0.00	18.50	0.00		46	1,143	0.00	-1,097.70
448+50	0.00	0.00	6.18	0.00		0.00	0.00	16.39	0.00		46	1,166	0.00	-1,119.83
449+00	0.00	0.00	1.70	0.00		0.00	0.00	7.30	0.00		46	1,175	0.00	-1,129.68
Column Totals						46	0	871	0					

CTH H EARTHWORK CATEGORY 0020

STATION	AREA (SF)			Incremental Vol (CY) (Unadjusted)						Cumulative Vol (CY)				Mass Ordinate
	Cut	Fill	Rock Exc	Cut Note 1	Salvaged/Unusable Pavement Material Note 2	Fill Note 3	Salvaged/Unusable Pavement Material Milled Asphalt	Rock Exc	EBS	Cut 1.00 Note 1	Expanded Fill 1.35	Expanded Rock 1.10	Expanded EBS Backfill 1.35 Note 5	Note 8
10+50	227.82	5.91	0.00	0	0	0	0	0	0	0	0	0	0	0.00
11+00	61.09	7.47	0.00	268	0	12	0	0	0	268	17	0	0	250.78
11+36	50.89	4.92	0.00	75	0	8	0	0	0	342	28	0	0	314.29
11+50	49.85	6.03	0.00	26	0	3	0	0	0	368	32	0	0	336.58
12+00	116.01	13.43	0.00	154	0	18	0	0	0	522	56	0	0	465.83
12+50	55.03	30.54	0.00	158	0	41	0	0	0	680	111	0	0	569.24
13+00	50.98	59.64	0.00	98	0	84	0	0	0	778	224	0	0	554.67
13+33	70.39	48.41	0.00	74	0	66	0	0	0	853	313	0	0	539.69
13+50	101.30	26.08	0.00	54	0	23	0	0	0	907	345	0	0	562.08
14+00	118.08	24.36	0.00	203	0	47	0	0	0	1,110	408	0	0	702.16
14+50	91.34	53.05	0.00	194	0	72	0	0	0	1,304	504	0	0	799.31
15+00	0.91	282.33	0.00	85	0	311	0	0	0	1,389	924	0	0	465.50
15+50	0.00	587.66	0.00	1	0	806	0	0	0	1,390	2,011	0	0	-621.15
16+00	0.00	552.55	0.00	0	0	1,056	0	0	0	1,390	3,436	0	0	-2,046.42
16+50	188.32	185.27	0.00	174	0	683	0	0	0	1,564	4,359	0	0	-2,794.33
16+97.4	171.33	168.27	0.00	316	0	310	0	0	0	1,880	4,778	0	0	-2,897.57
17+22.4	184.36	154.27	0.00	165	0	149	0	0	0	2,045	4,979	0	0	-2,934.49
17+47.54	190.08	105.27	0.00	174	0	121	0	0	0	2,219	5,142	0	0	-2,923.29
18+00	155.89	160.06	0.00	336	0	258	0	0	0	2,555	5,490	0	0	-2,935.18
18+50	284.85	150.51	0.00	408	0	288	0	0	0	2,963	5,878	0	0	-2,915.30
19+00	334.84	88.70	0.00	574	0	221	0	0	0	3,537	6,177	0	0	-2,640.52
19+50	277.62	25.00	0.00	567	0	105	0	0	0	4,104	6,320	0	0	-2,215.54
20+00	190.89	7.74	0.00	434	0	30	0	0	0	4,538	6,360	0	0	-1,822.66
20+50	457.38	0.77	128.08	600	0	8	0	119	0	5,138	6,195	130	0	-1,056.93
20+75	506.79	0.11	380.31	446	0	0	0	235	0	5,584	5,846	389	0	-261.58
20+86	458.26	14.09	415.97	197	0	3	0	162	0	5,781	5,609	568	0	171.97
21+00	373.07	12.43	191.45	216	0	7	0	157	0	5,997	5,384	741	0	612.07
21+50	342.08	27.21	102.10	662	0	37	0	272	0	6,659	5,030	1,040	0	1,628.32
21+75	354.89	29.72	20.08	323	0	26	0	57	0	6,981	4,982	1,102	0	1,999.41
22+00	292.73	12.30	0.00	300	0	19	0	9	0	7,281	4,994	1,112	0	2,286.78
22+50	244.28	0.00	0.00	497	0	11	0	0	0	7,778	5,010	1,112	0	2,768.63
23+00	212.36	0.00	0.00	423	0	0	0	0	0	8,201	5,010	1,112	0	3,191.44
23+50	225.17	0.00	0.00	405	0	0	0	0	0	8,606	5,010	1,112	0	3,596.56
24+00	304.44	0.00	0.00	490	0	0	0	0	0	9,097	5,010	1,112	0	4,086.95
24+50	275.77	0.00	0.00	537	0	0	0	0	0	9,634	5,010	1,112	0	4,624.19
25+00	280.55	0.00	0.00	515	0	0	0	0	0	10,149	5,010	1,112	0	5,139.30
25+50	290.66	0.00	0.00	529	0	0	0	0	0	10,678	5,010	1,112	0	5,668.19
26+00	265.46	0.00	0.00	515	0	0	0	0	0	11,193	5,010	1,112	0	6,183.12
26+38	184.41	0.06	0.00	317	0	0	0	0	0	11,510	5,010	1,112	0	6,499.64
26+50	170.45	0.22	0.00	79	0	0	0	0	0	11,588	5,010	1,112	0	6,578.41
27+00	139.49	0.00	0.00	287	0	0	0	0	0	11,875	5,010	1,112	0	6,865.13
27+50	107.11	1.27	0.00	228	0	1	0	0	0	12,104	5,012	1,112	0	7,091.88
27+62	108.53	1.51	0.00	48	0	1	0	0	0	12,152	5,013	1,112	0	7,138.96
28+00	50.44	9.50	0.00	112	0	8	0	0	0	12,264	5,023	1,112	0	7,240.37
			Column Totals	12,264	0	4,833	0	1,011	0					

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DWY STA 192+02 RT EARTHWORK CATEGORY 0010

STATION	AREA (SF) Cut	Salvaged/Unusable Pavement Material Exist Concrete	Fill	ental Vol (CY) (Unadj Cut Note 1	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.35	Mass Ordinate Note 8
05+50	141.23	0.00	0.23	0	0	0	0	0.00
05+75	104.75	0.00	0.63	114	0	114	1	113.35
06+02	131.31	0.00	1.12	118	1	232	2	230.20
06+09	171.93	0.00	13.28	39	2	271	4	266.99
06+25	35.20	0.00	0.12	61	4	333	10	323.00
06+50	101.91	0.00	0.00	63	0	396	10	386.41
06+80	73.19	0.00	0.05	97	0	493	10	483.64
07+00	38.92	0.00	0.00	42	0	535	10	525.14
07+30	12.04	0.00	0.00	28	0	563	10	553.45
Column Totals				563	7			

OLD CTH H INTERSECTION EARTHWORK CATEGORY 0020

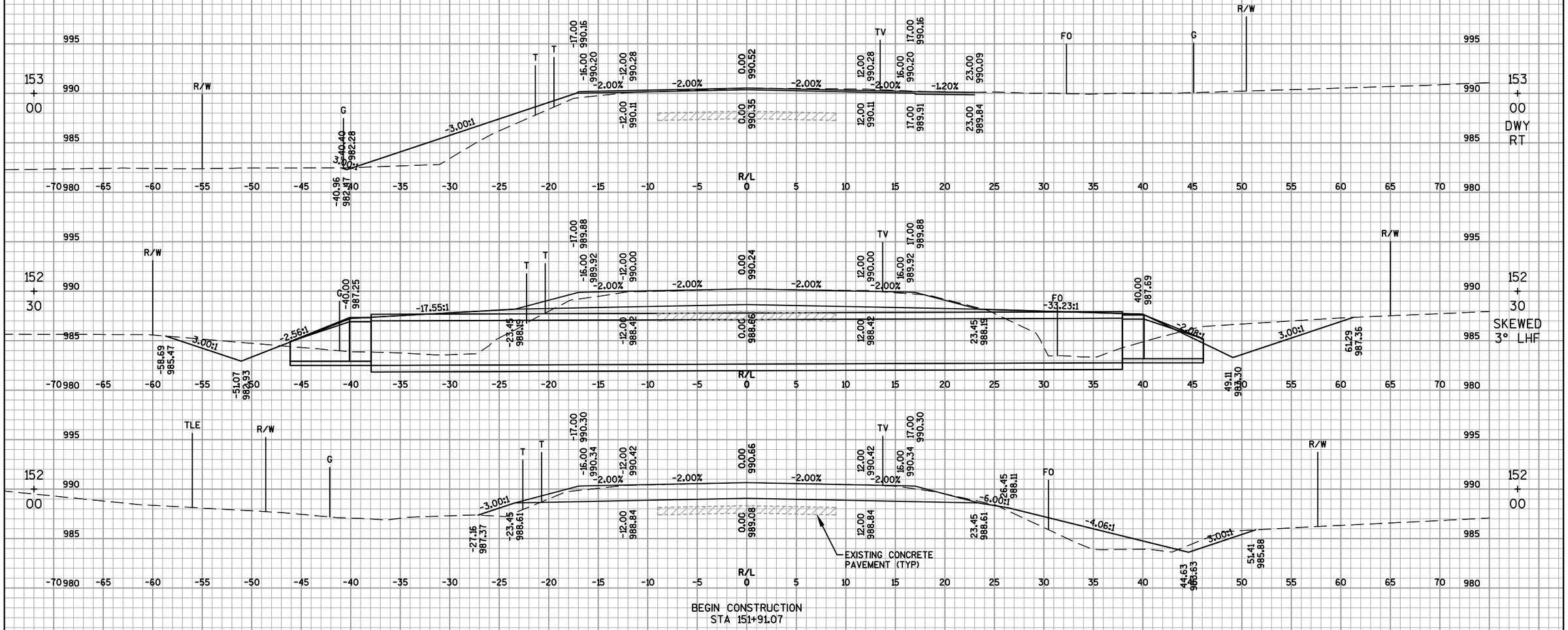
STATION	AREA (SF) Cut	Fill	tal Vol (CY) (Una Cut Note 1	Fill Note 3	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.35	Mass Ordinate Note 8
50+50	333.73	0.00	0	0	0	0	0.00
51+00	132.57	0.00	432	0	432	0	431.76
51+50	91.57	0.00	208	0	639	0	639.30
52+00	49.14	0.11	130	0	770	0	769.45
Column Totals			770	0			

OLD CTH H CUL-DU-SAC EARTHWORK CATEGORY 0020

STATION	AREA (SF) Cut	Fill	Rock Exc	cremental Vol (CY) (Unadjuste Cut Note 1	Fill Note 3	Rock Exc	Cumulative Vol (CY) Cut 1.00 Note 1	Expanded Fill 1.35	Expanded Rock 1.10	Mass Ordinate Note 8
55+37.72	47.56	0.17	0.00	0	0	0	0	0	0	0.00
55+50	131.75	0.03	0.00	41	0	0	41	0	0	40.71
55+75	325.71	0.96	149.23	212	0	69	253	-102	76	354.47
56+00	225.98	0.61	254.31	255	1	187	508	-378	282	886.33
56+05.16	176.03	3.17	265.62	38	0	50	546	-452	336	997.94
56+25	51.49	85.01	246.54	84	32	188	630	-687	543	1,317.30
56+50	40.81	172.83	187.03	43	119	201	673	-824	764	1,496.95
56+70	12.20	24.86	51.90	20	73	88	692	-857	861	1,549.15
Column Totals				692	227	783				

1) Common Excavation is the sum of the Cut and EBS Excavation columns minus Milled Asphalt. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation is for removal of Existing concrete below subgrade. All EBS Excavation is to be backfilled with Common Excavation.
4) Salvaged/Unusable Pavement Material Existing Concrete
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
7) Rock Excavation item number 205.0200
8) Salvaged/Unusable Pavement Material - Milled Asphalt.
9) All EBS Excavation is Unusable Pavement Material
11) Expanded EBS Backfill - This is to be filled with Common Excavation material. EBS Backfill Factor = 1.35.
12) Expanded Rock - Factor = 1.1
13) Expanded Fill. Factor = 1.35

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

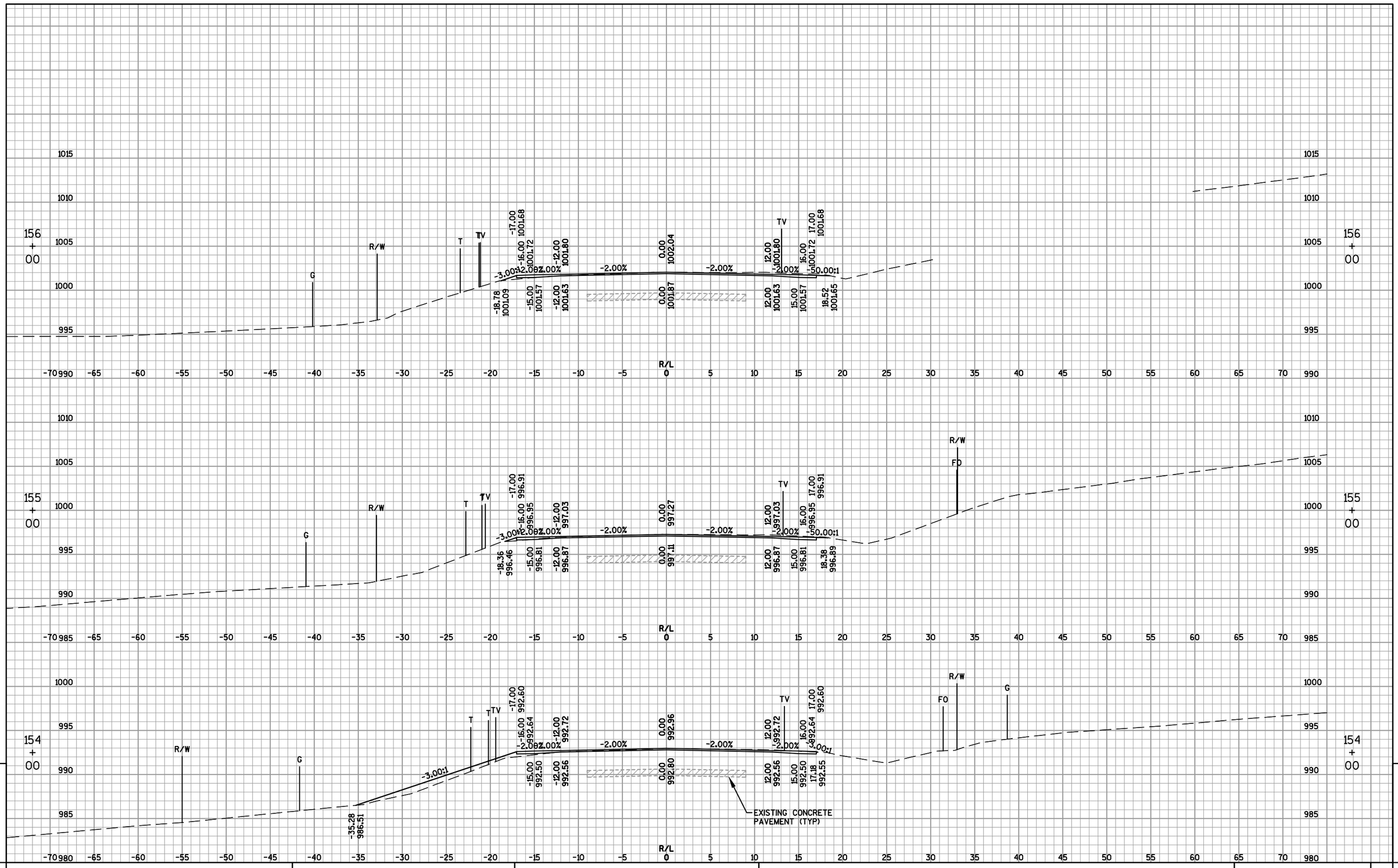


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WISDOT/CADDS SHEET 49



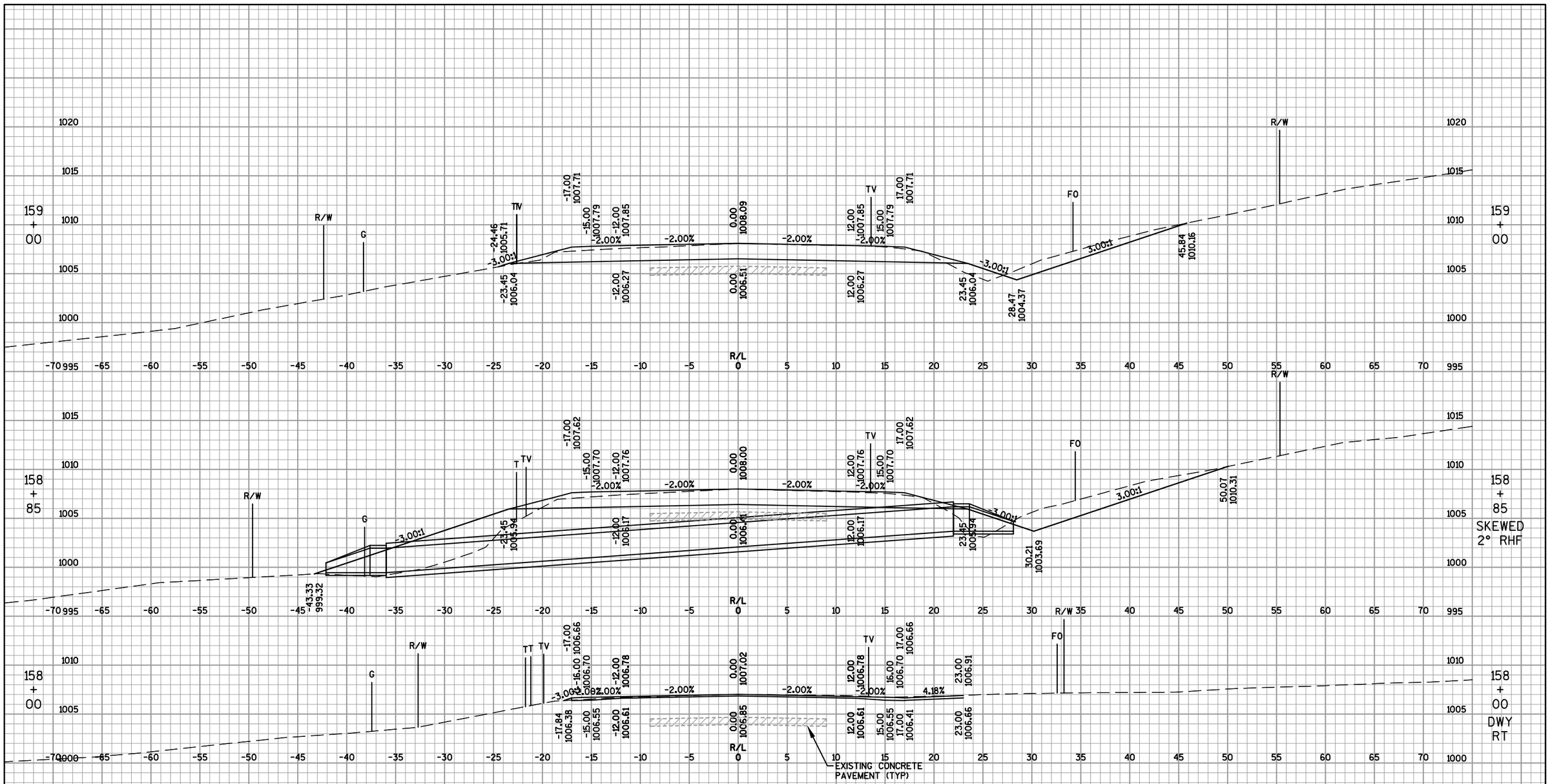
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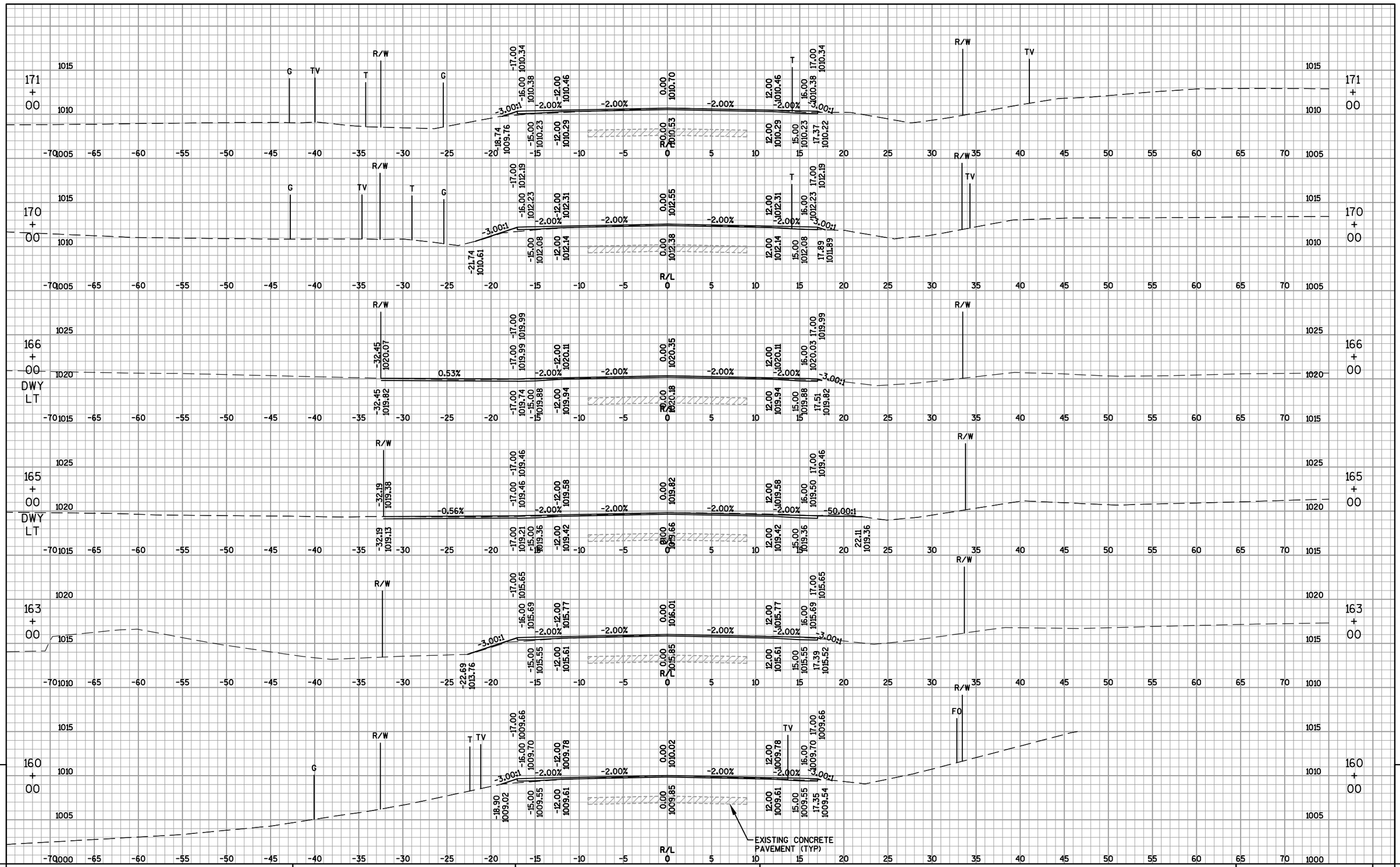


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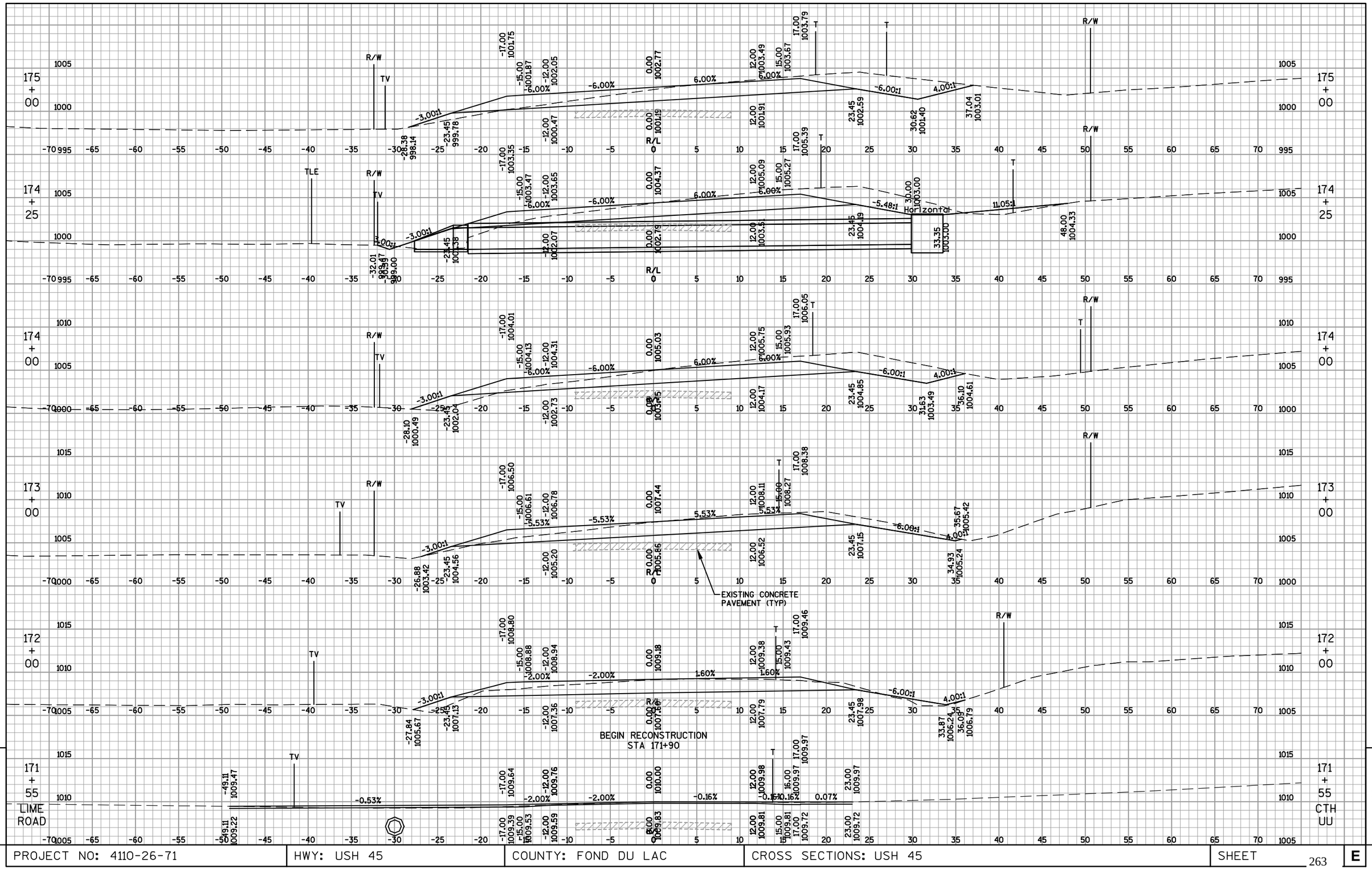
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

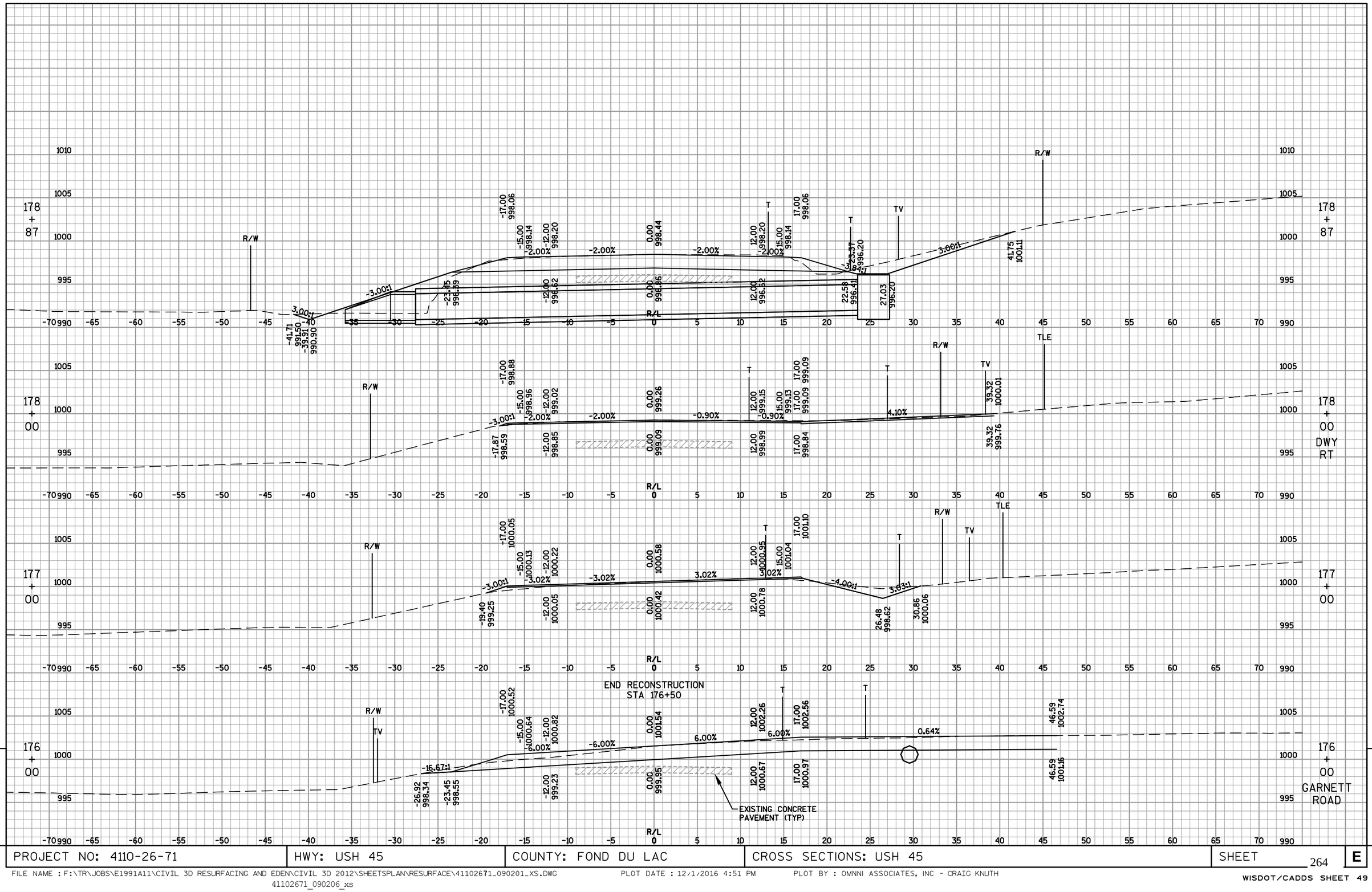
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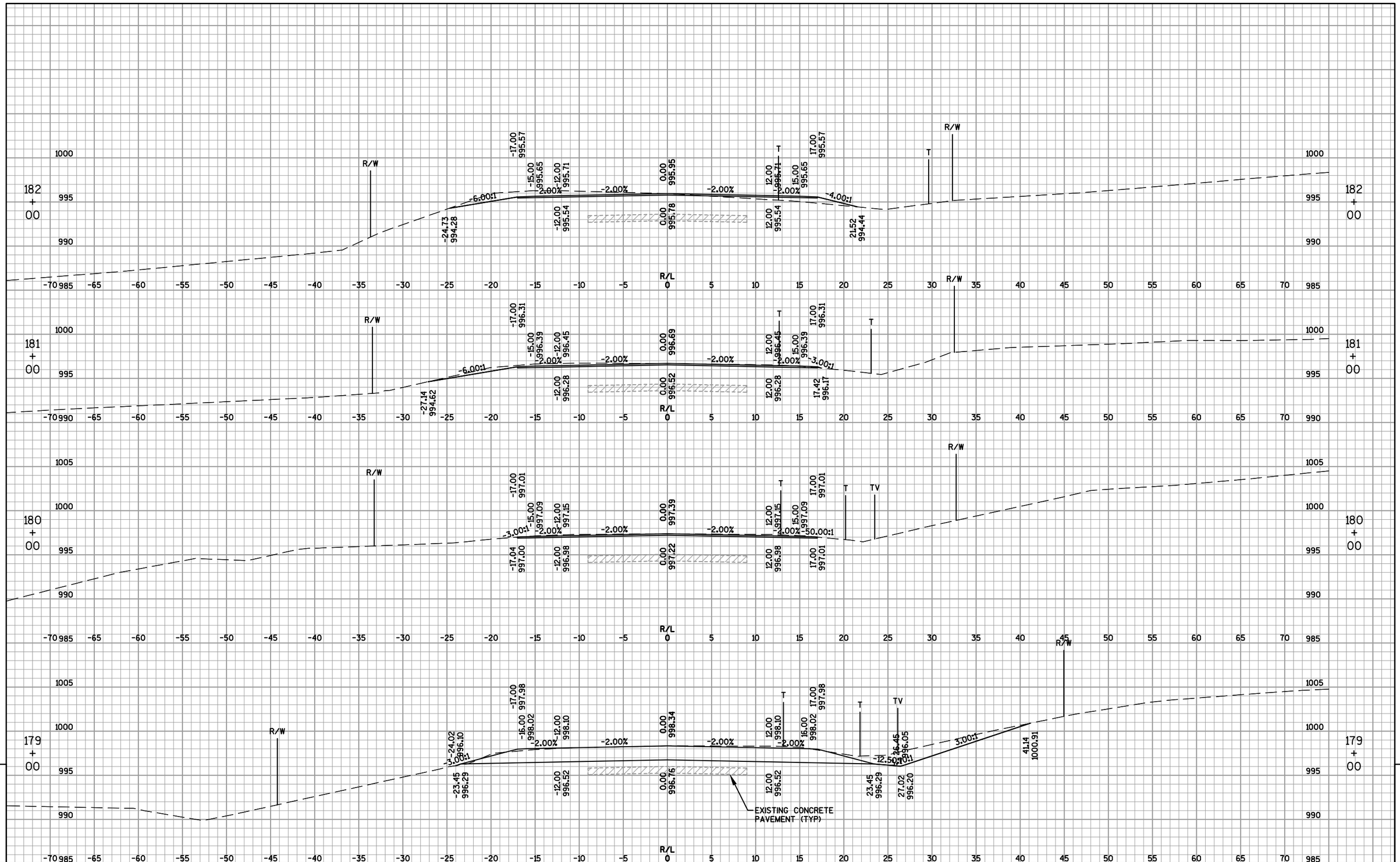
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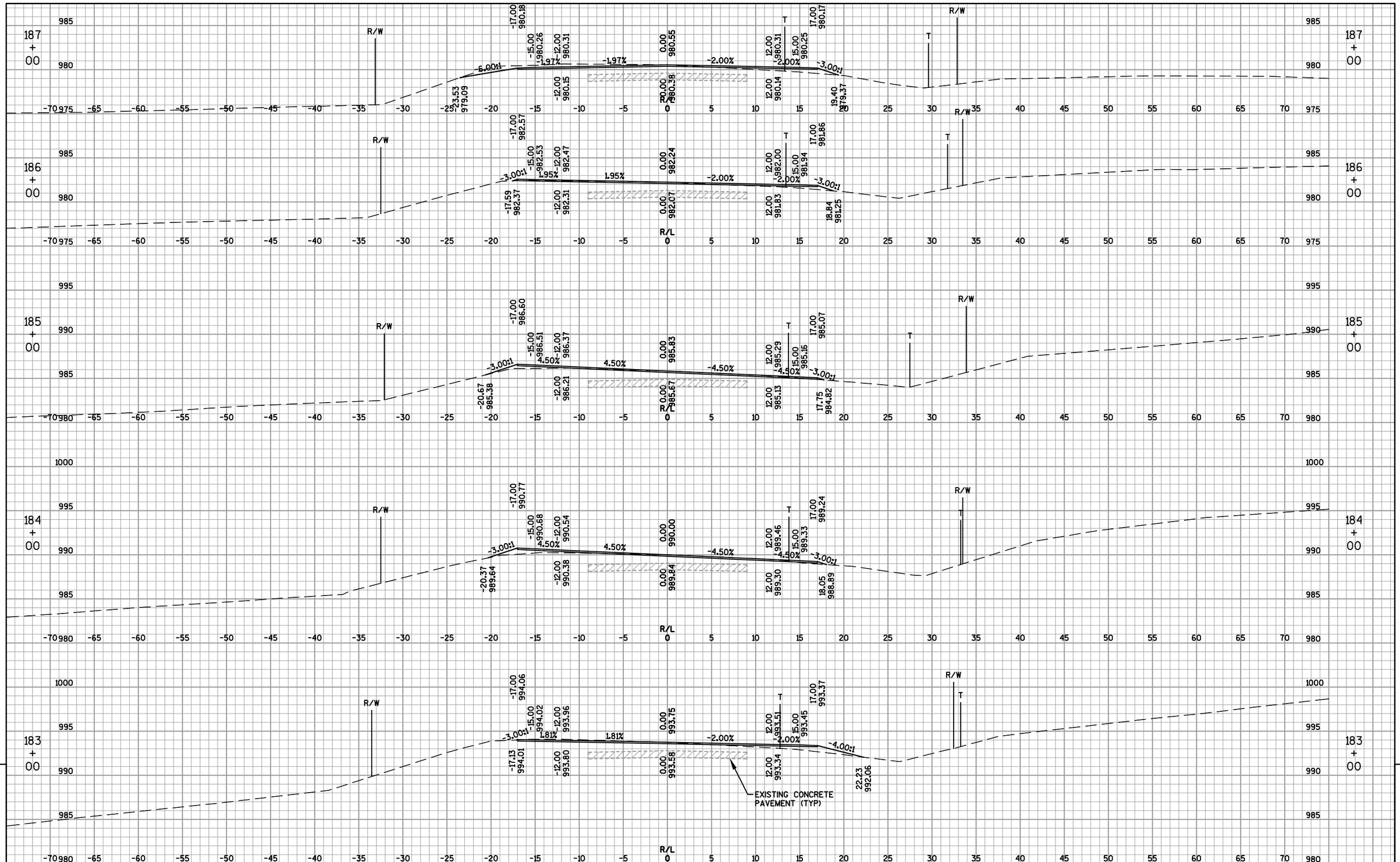


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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 265	E

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41102671_090207_xs
PLOT DATE : 12/1/2016 4:51 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



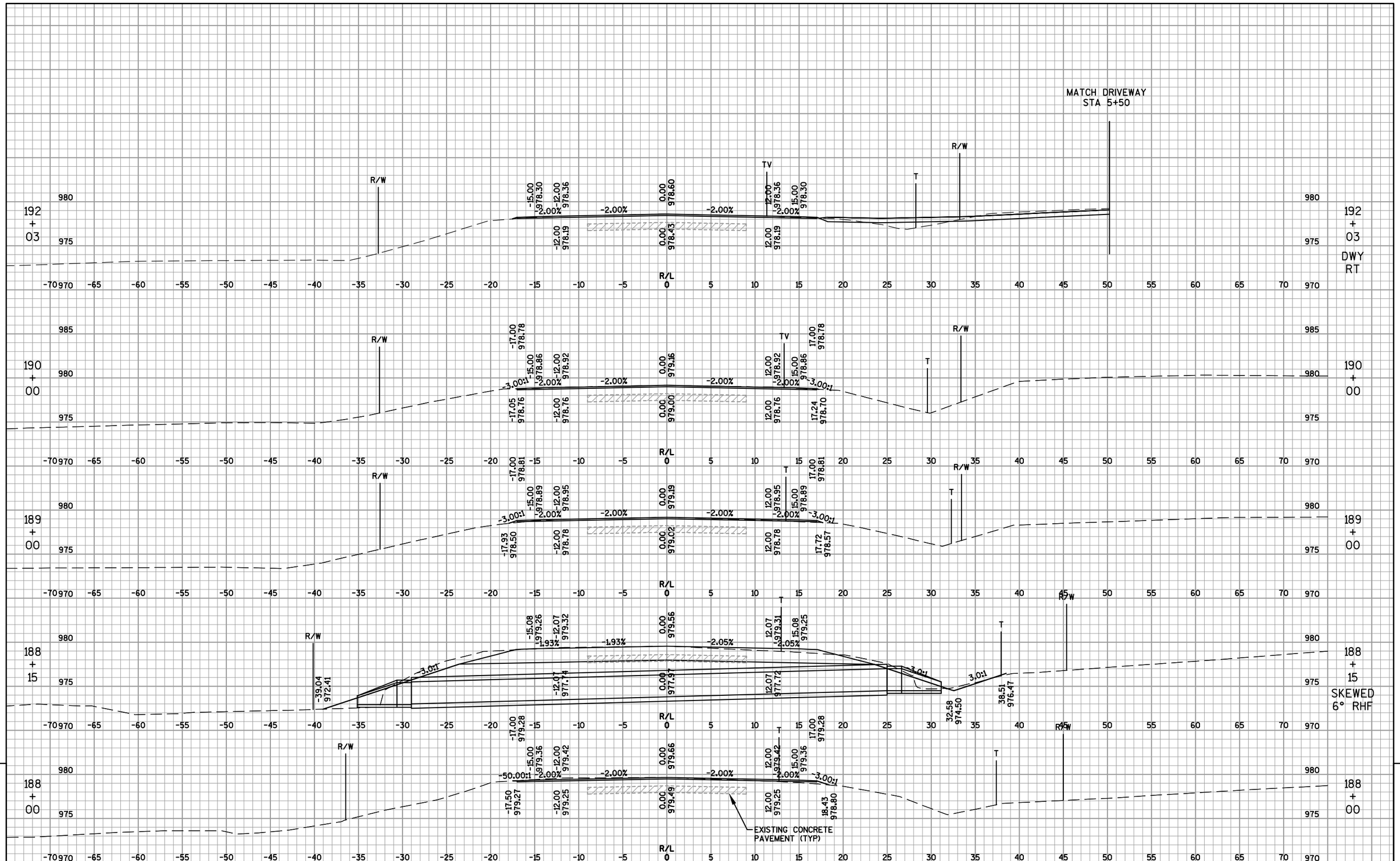
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PLOT DATE : 12/1/2016 4:52 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

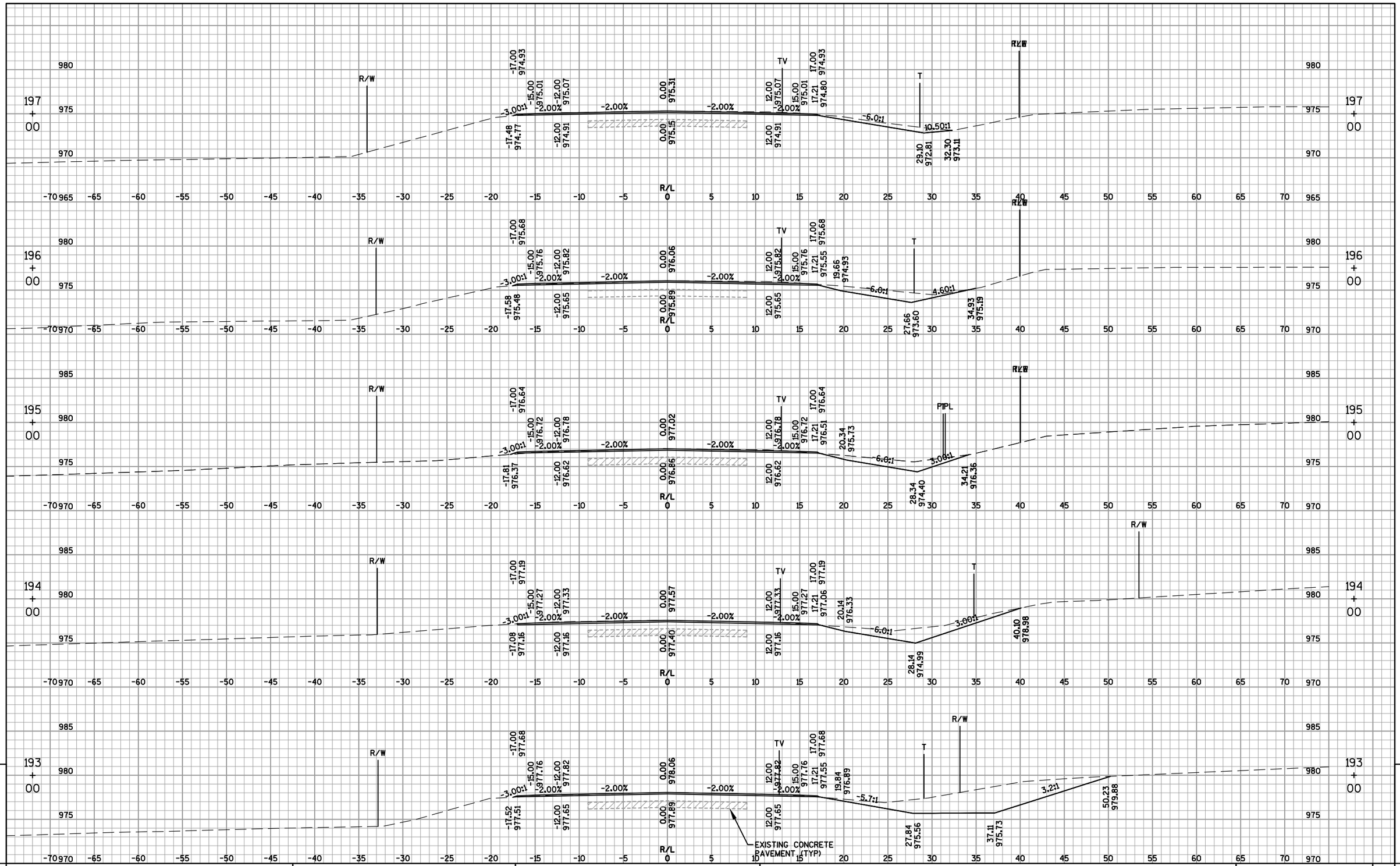


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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 267	E

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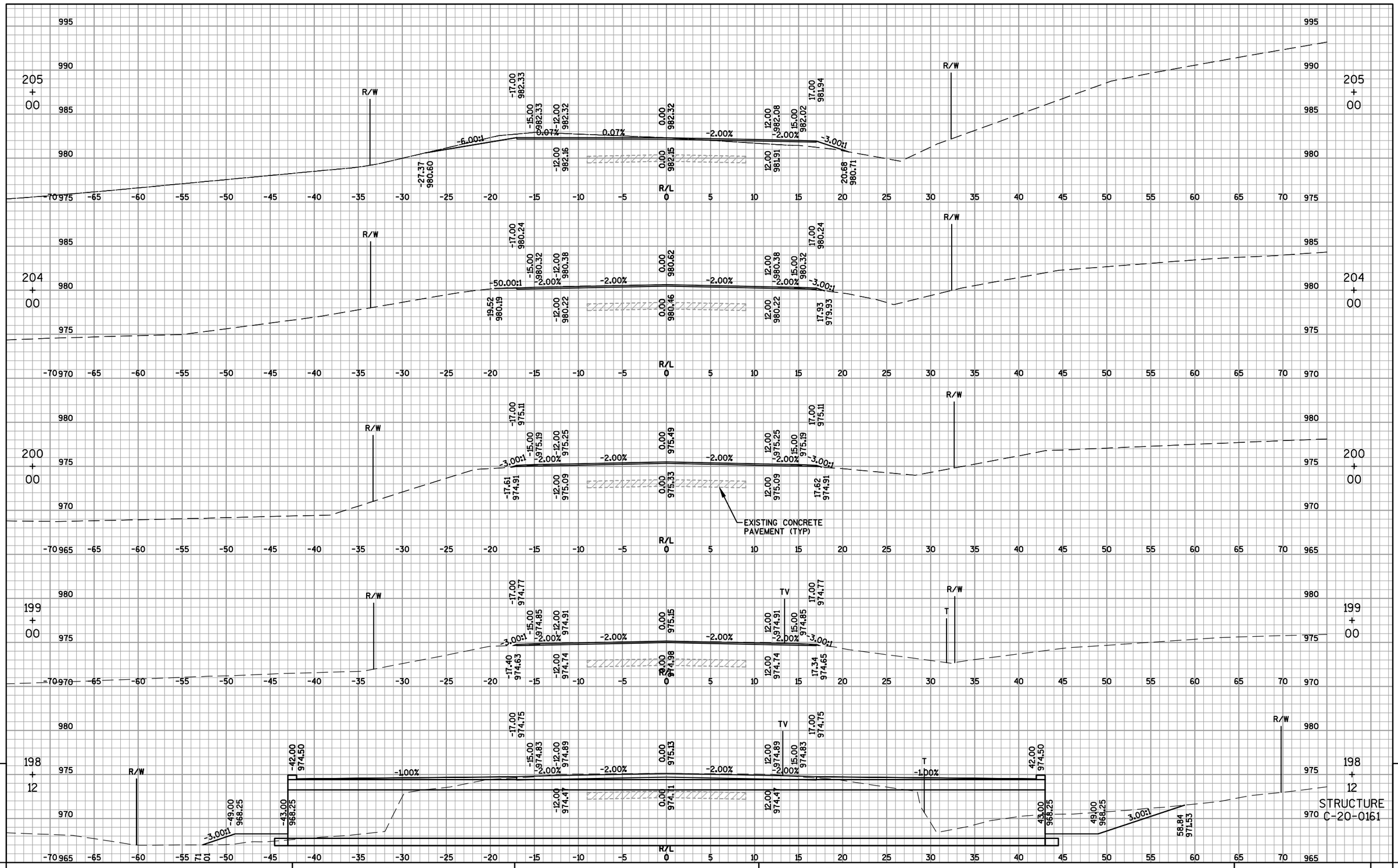
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PLOT DATE : 12/1/2016 4:53 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 268	E



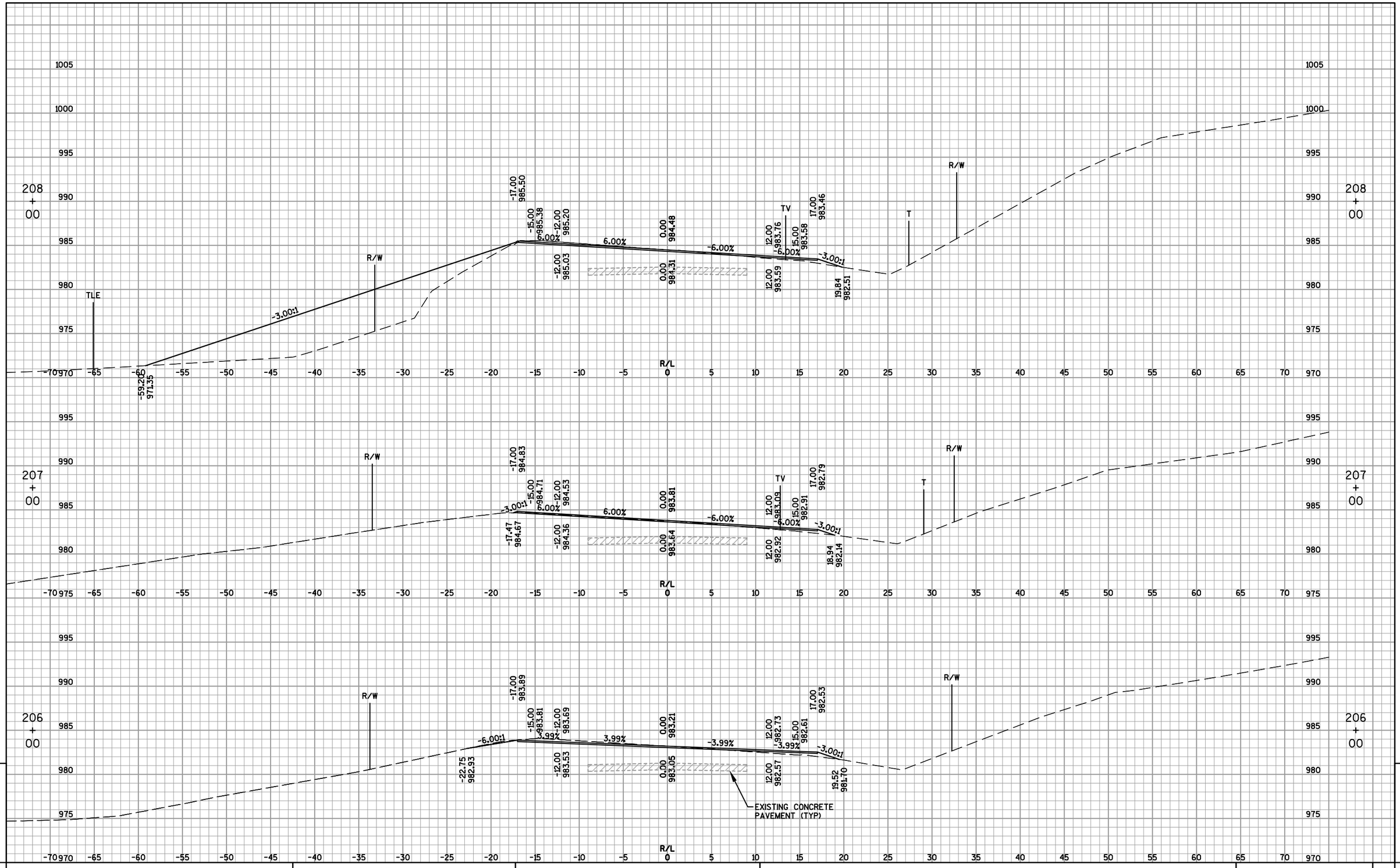
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PLOT DATE : 12/1/2016 4:54 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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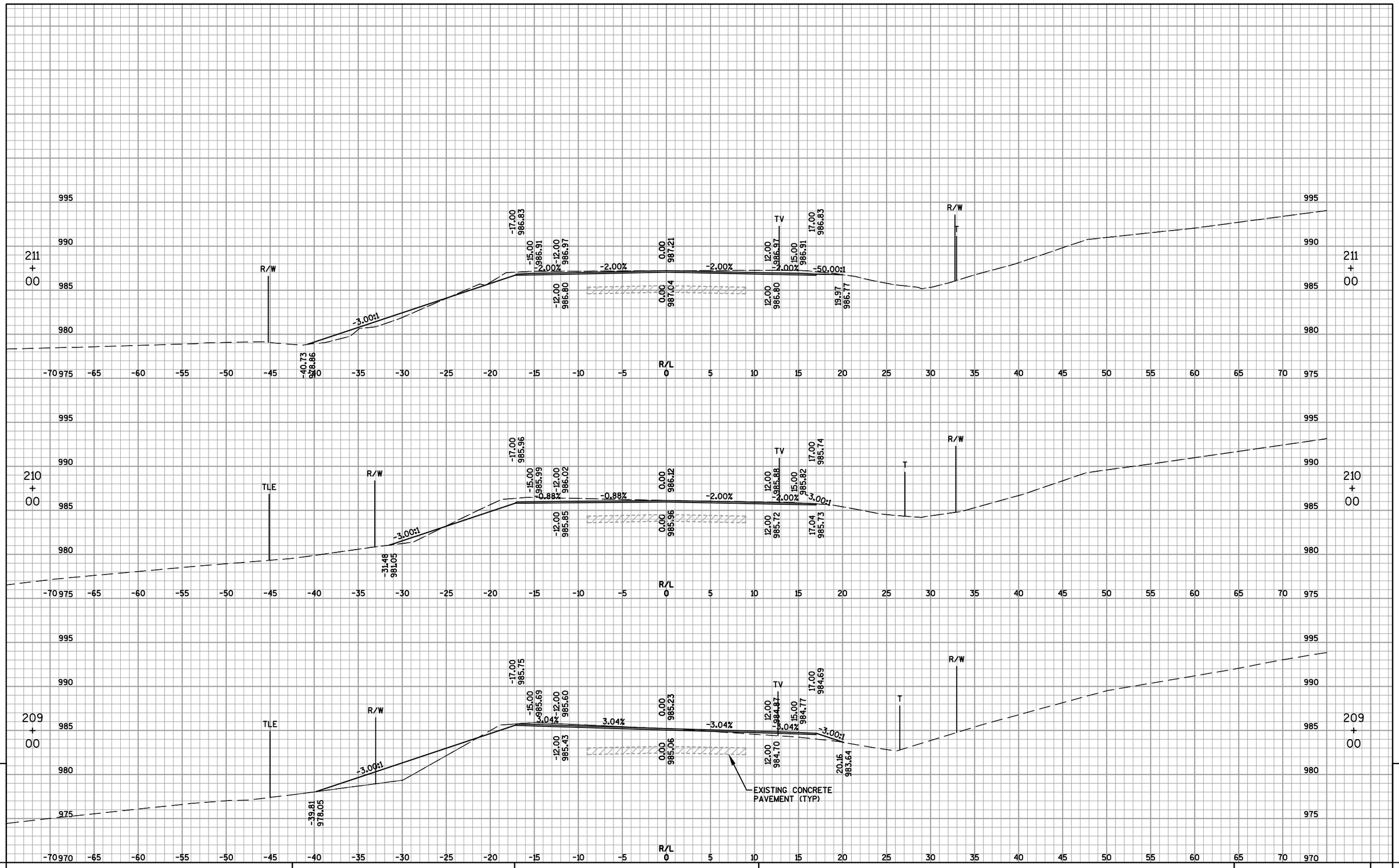
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PLOT DATE : 12/1/2016 4:55 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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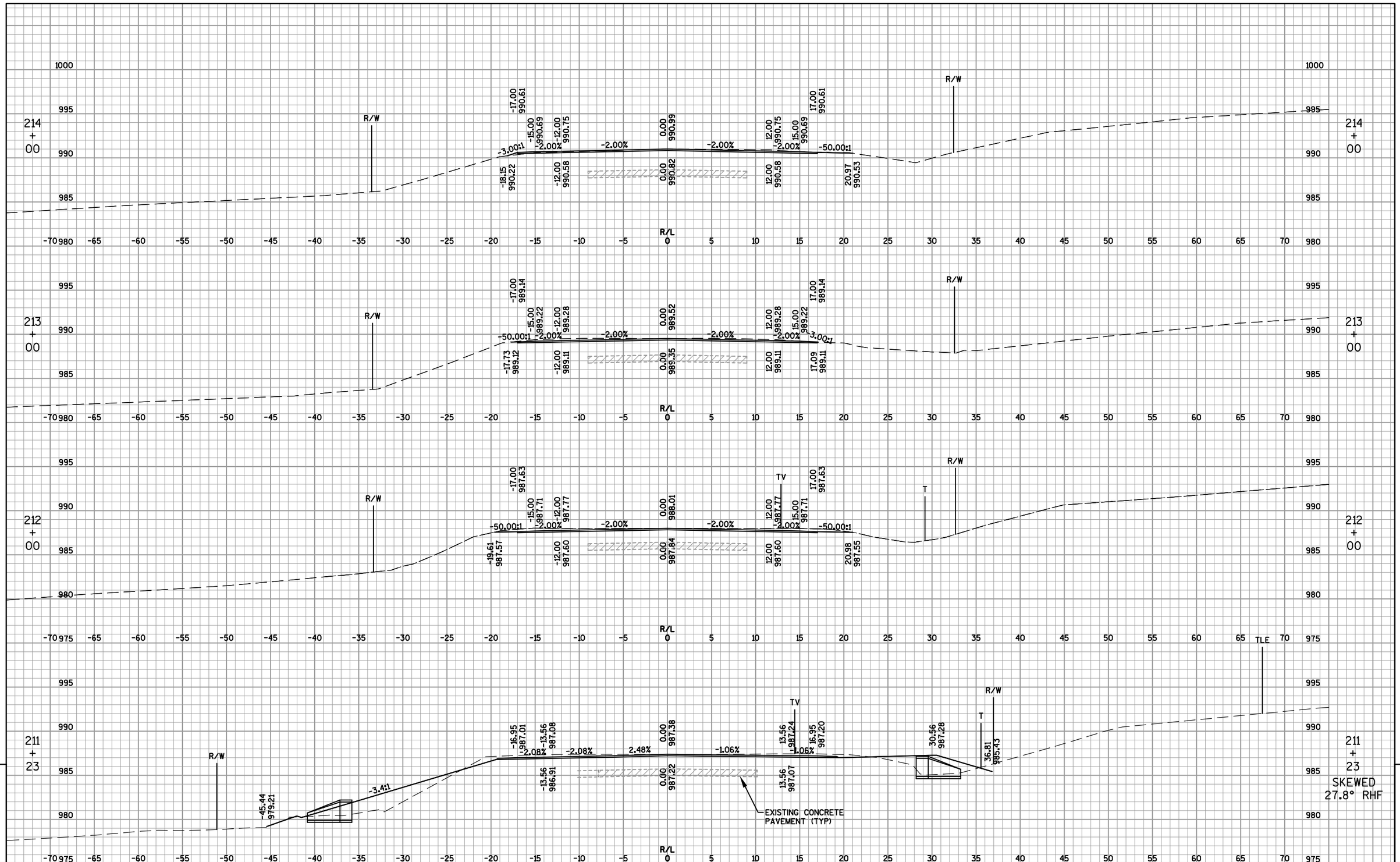
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PLOT DATE : 12/1/2016 4:56 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



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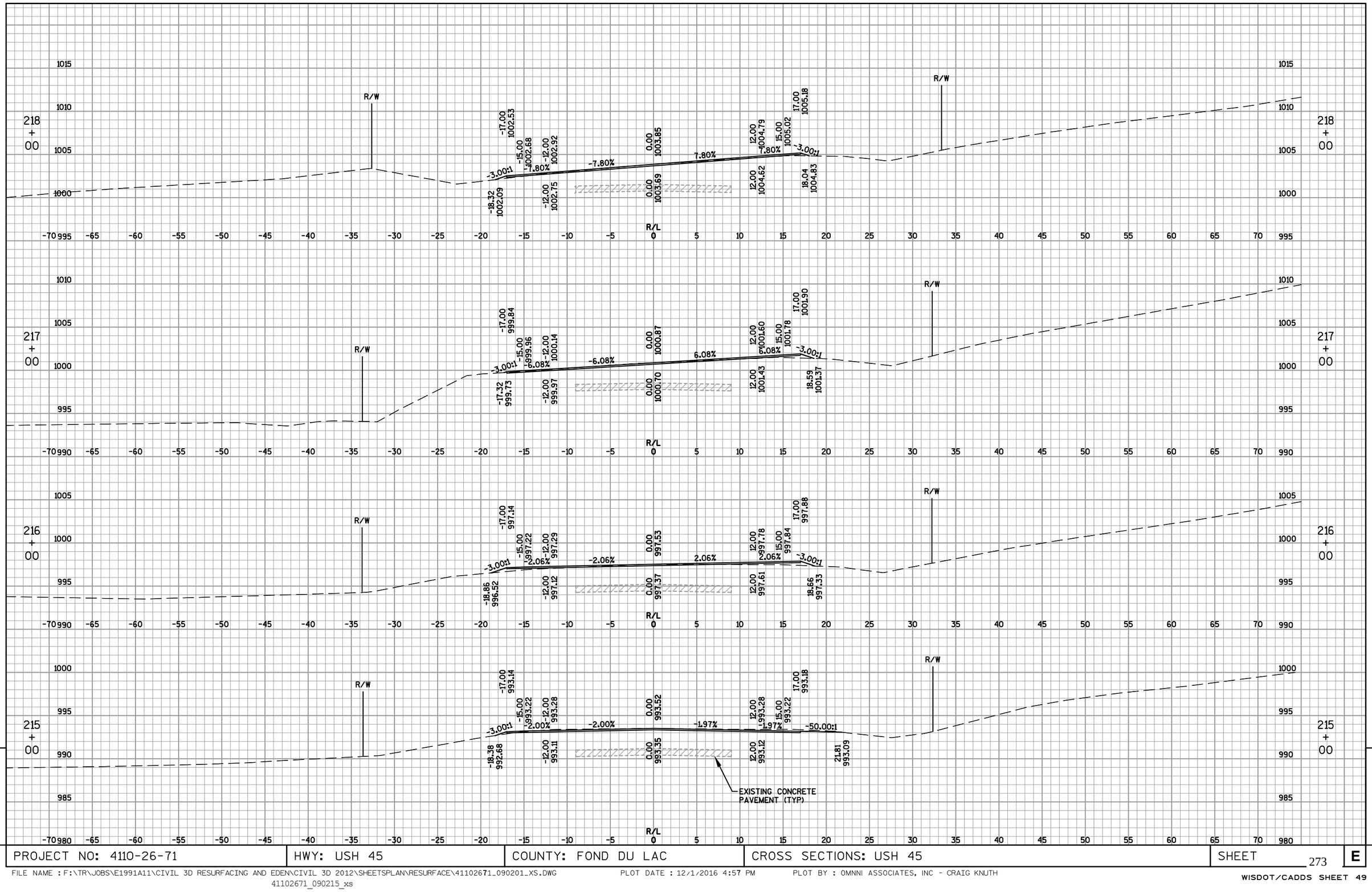
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



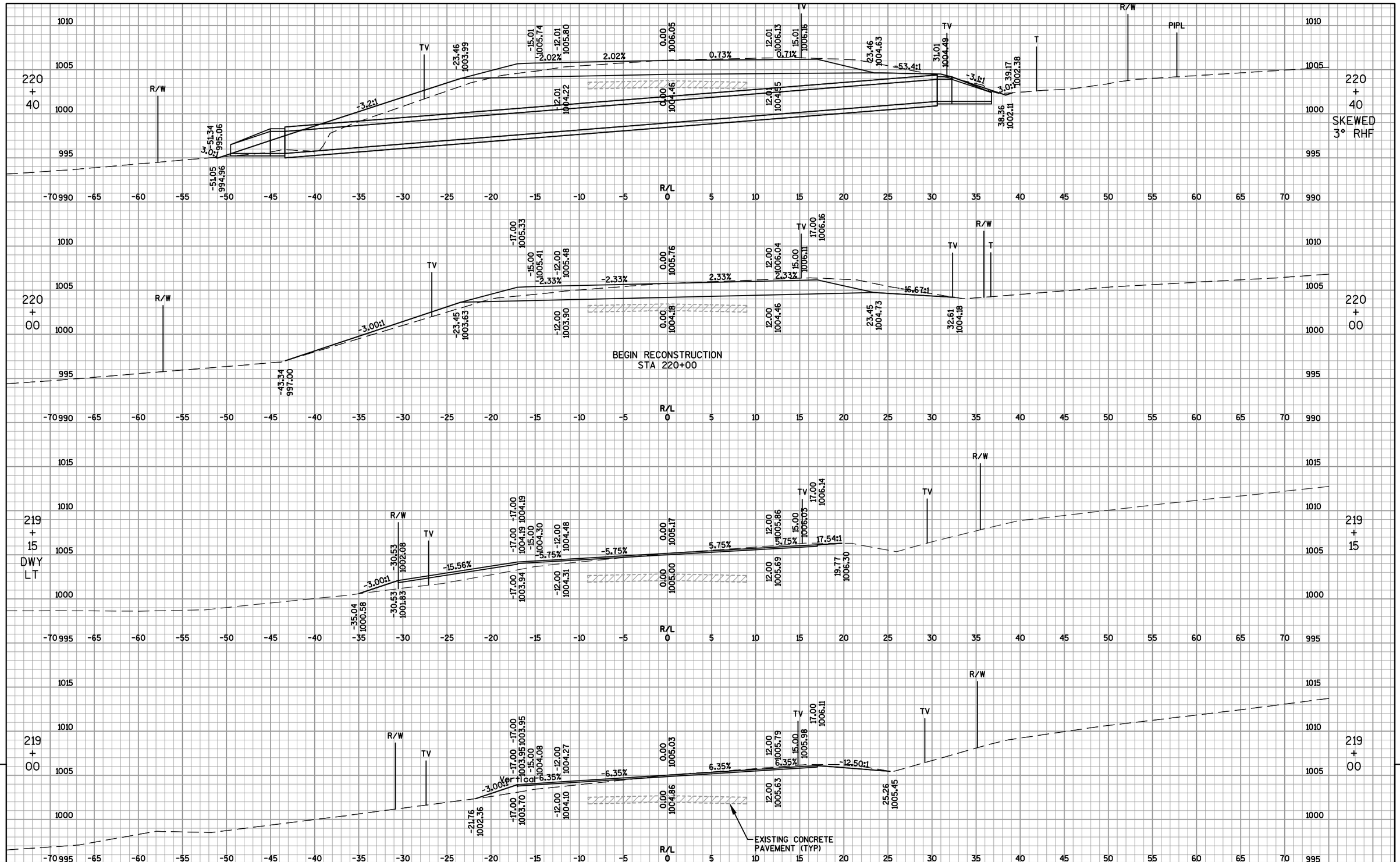
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



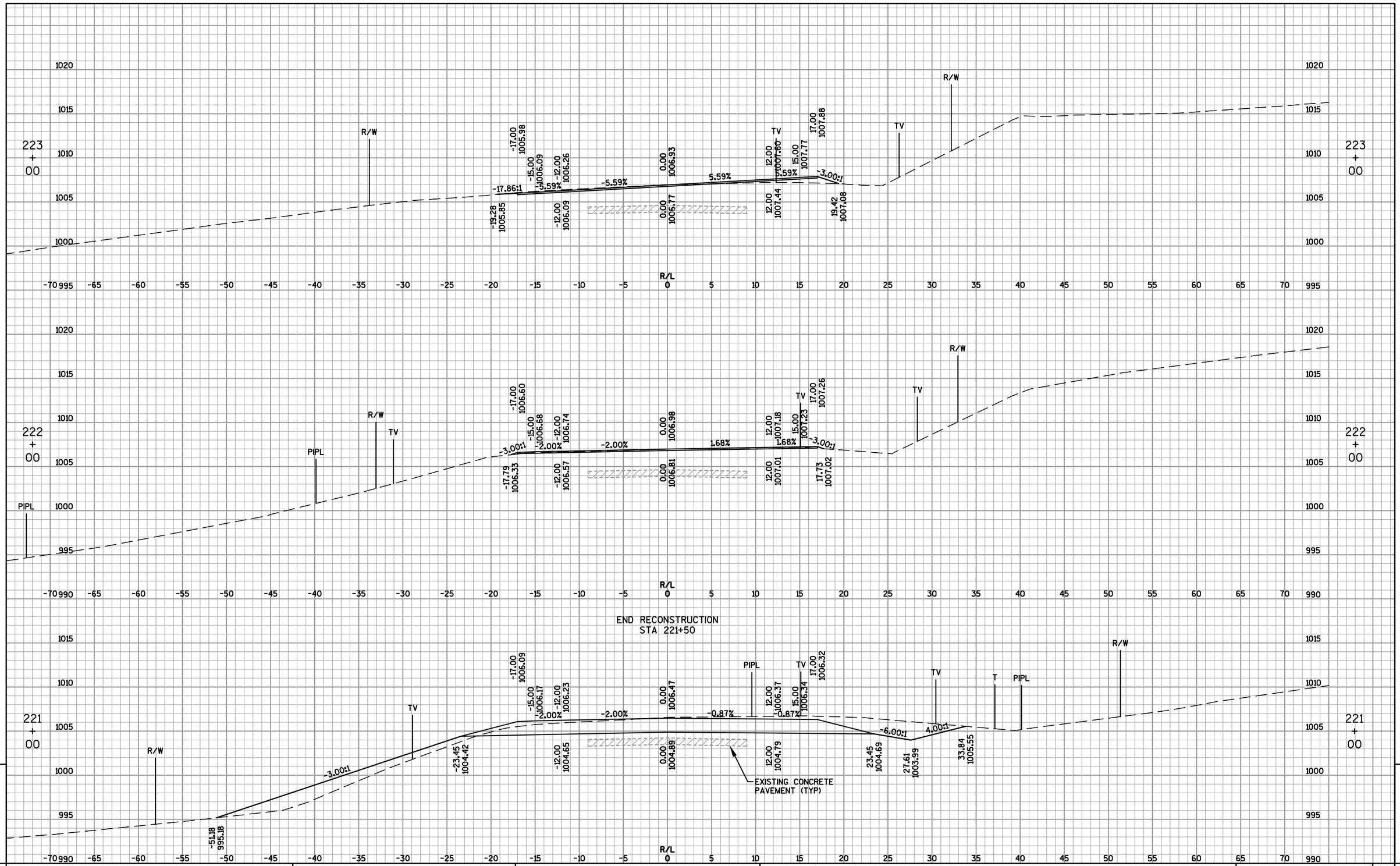
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

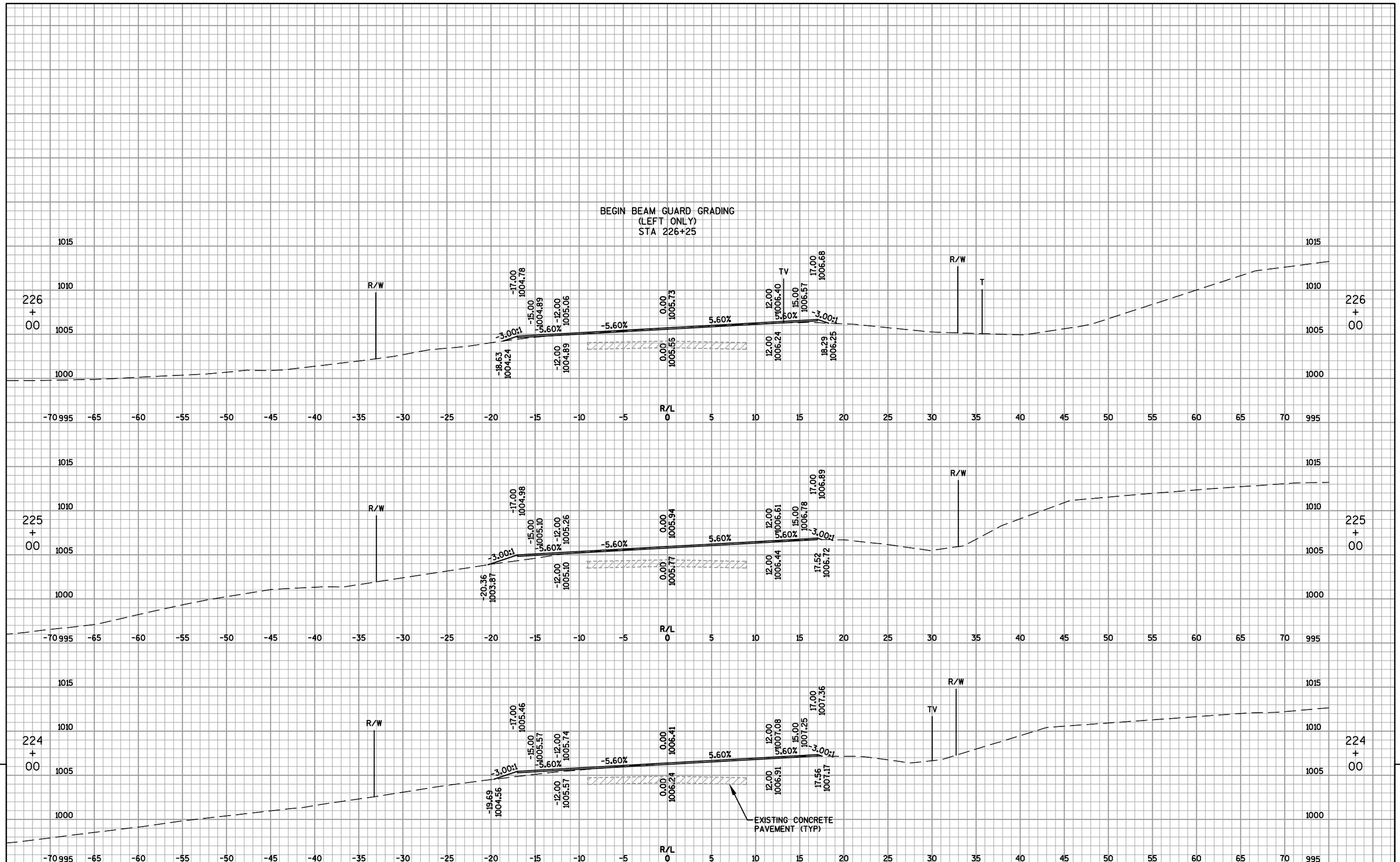


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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 276	E

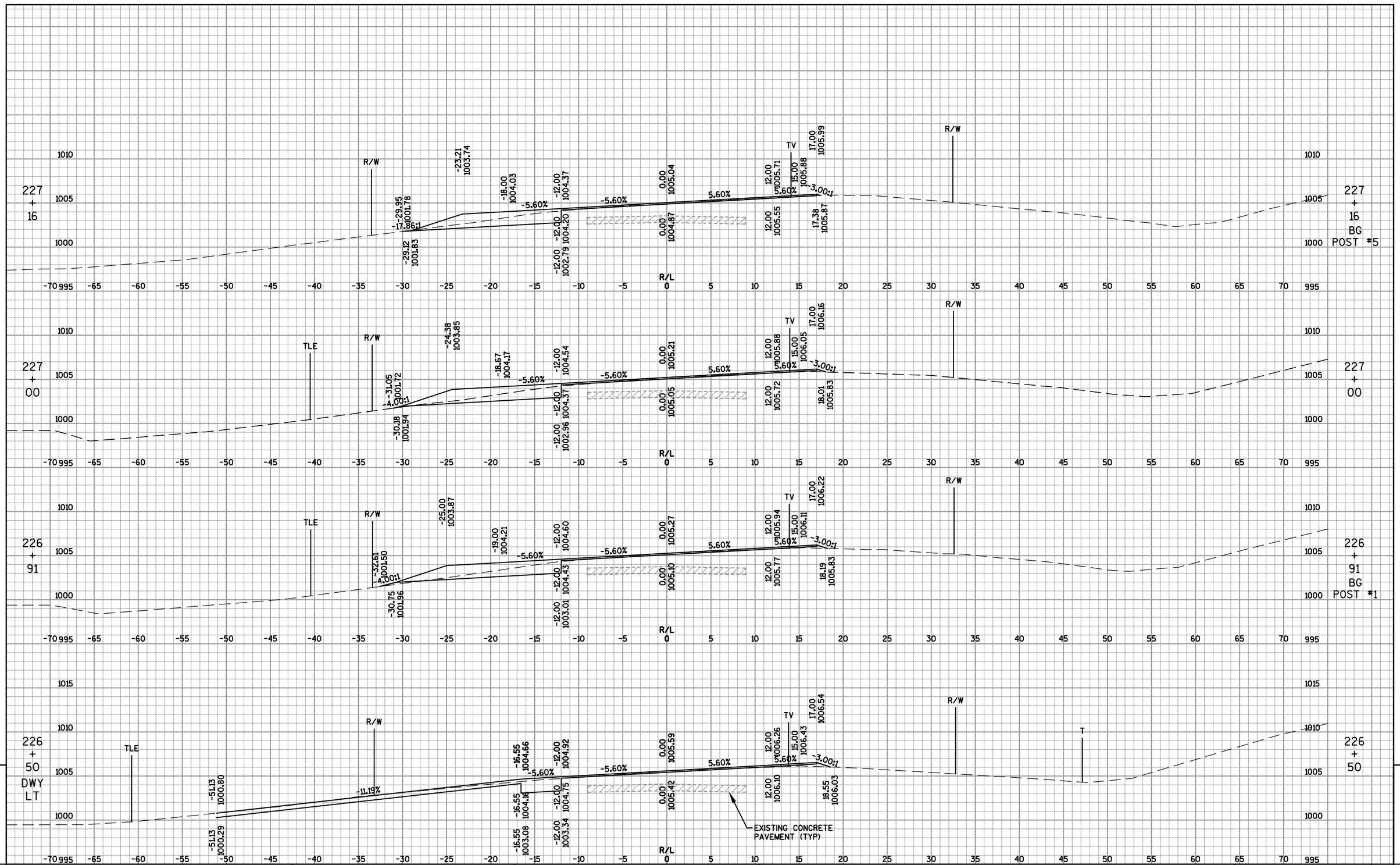
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

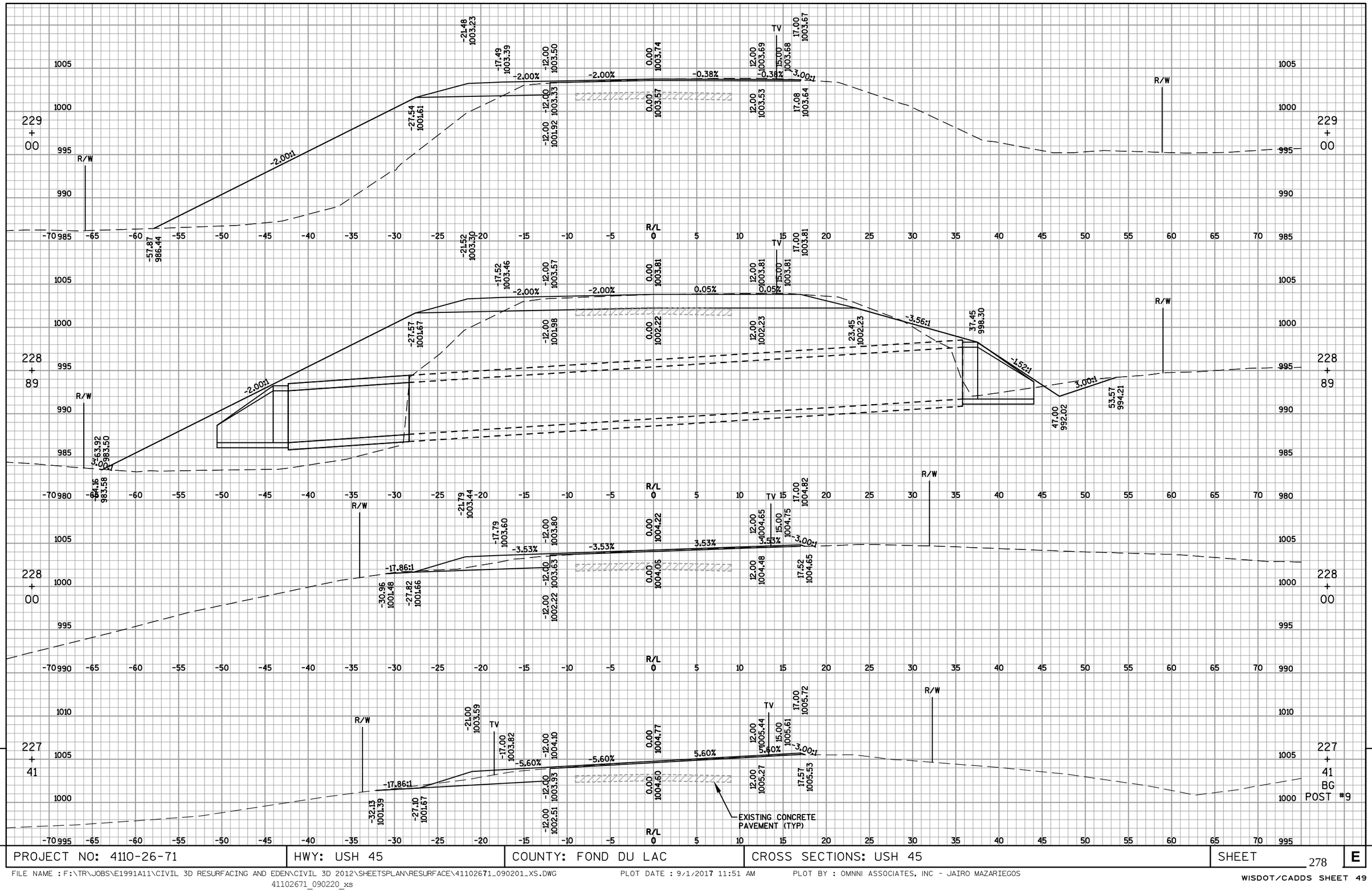
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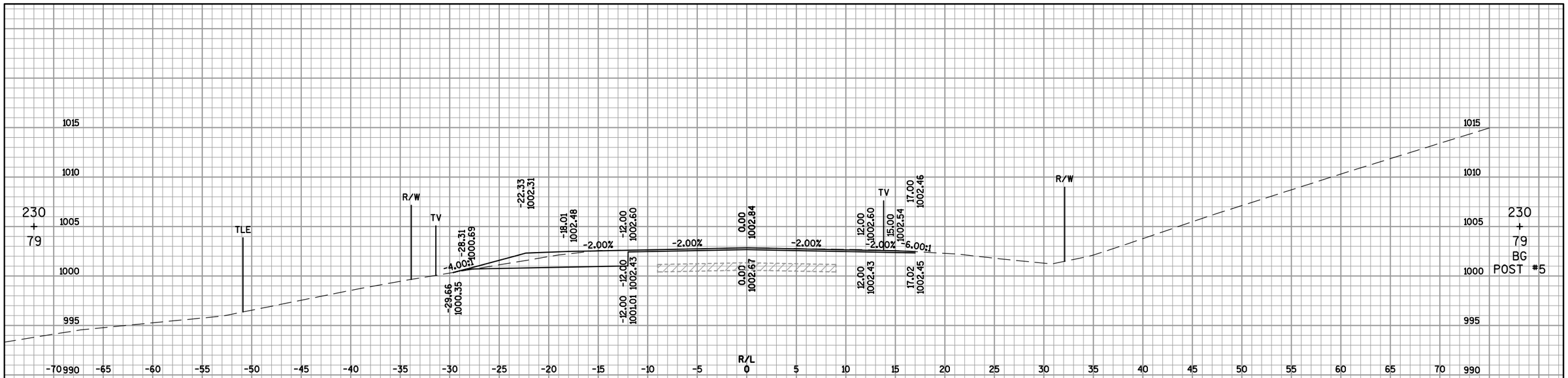
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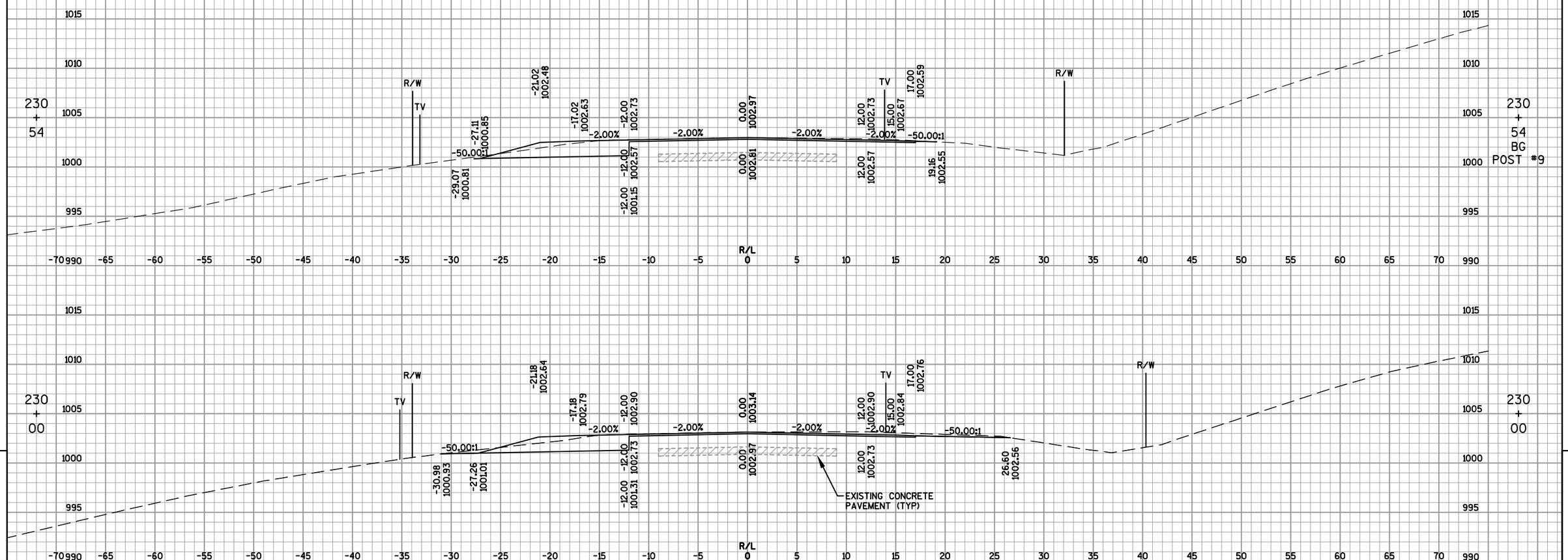
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PLOT DATE : 9/1/2017 11:51 AM

PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

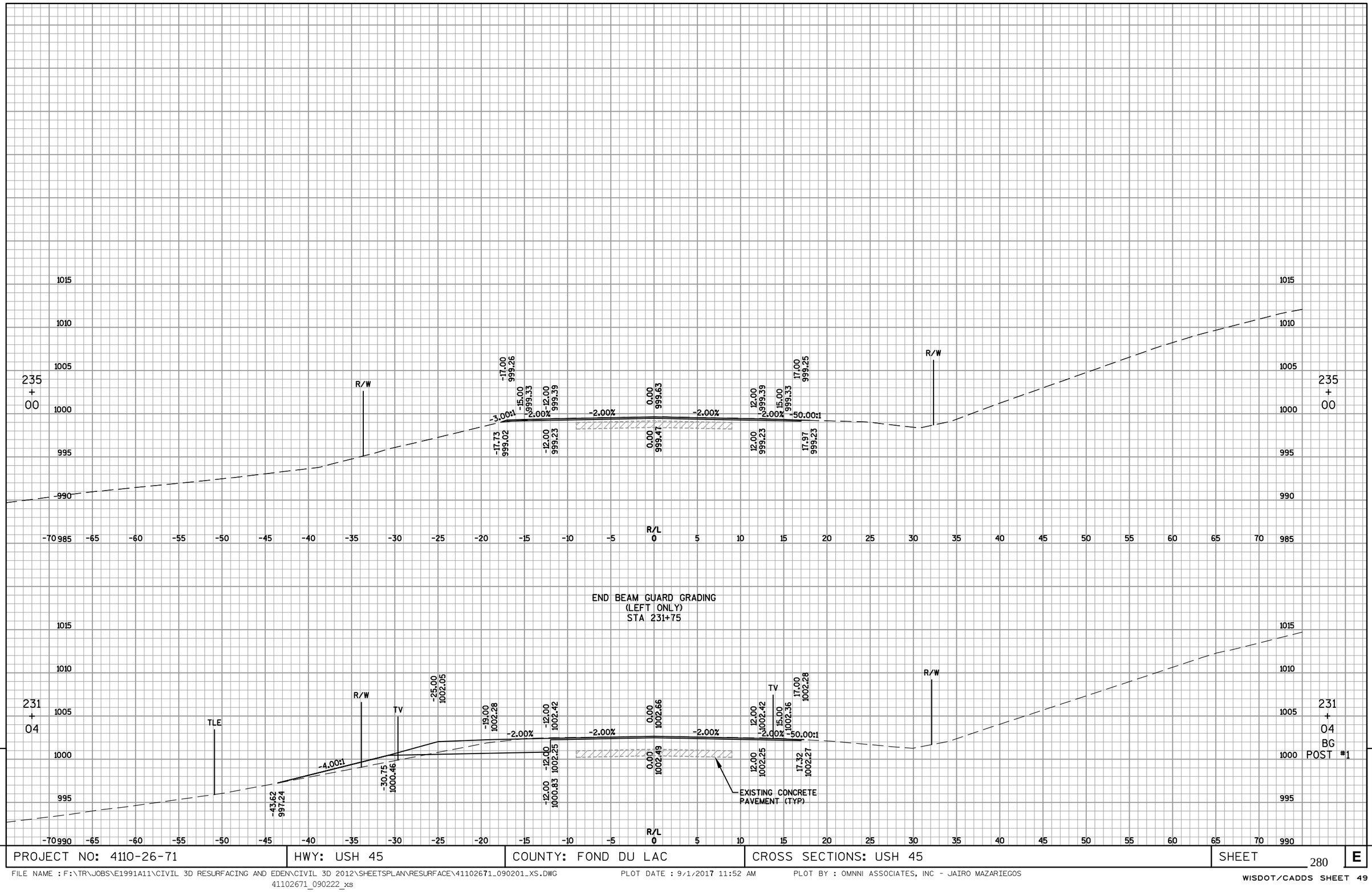
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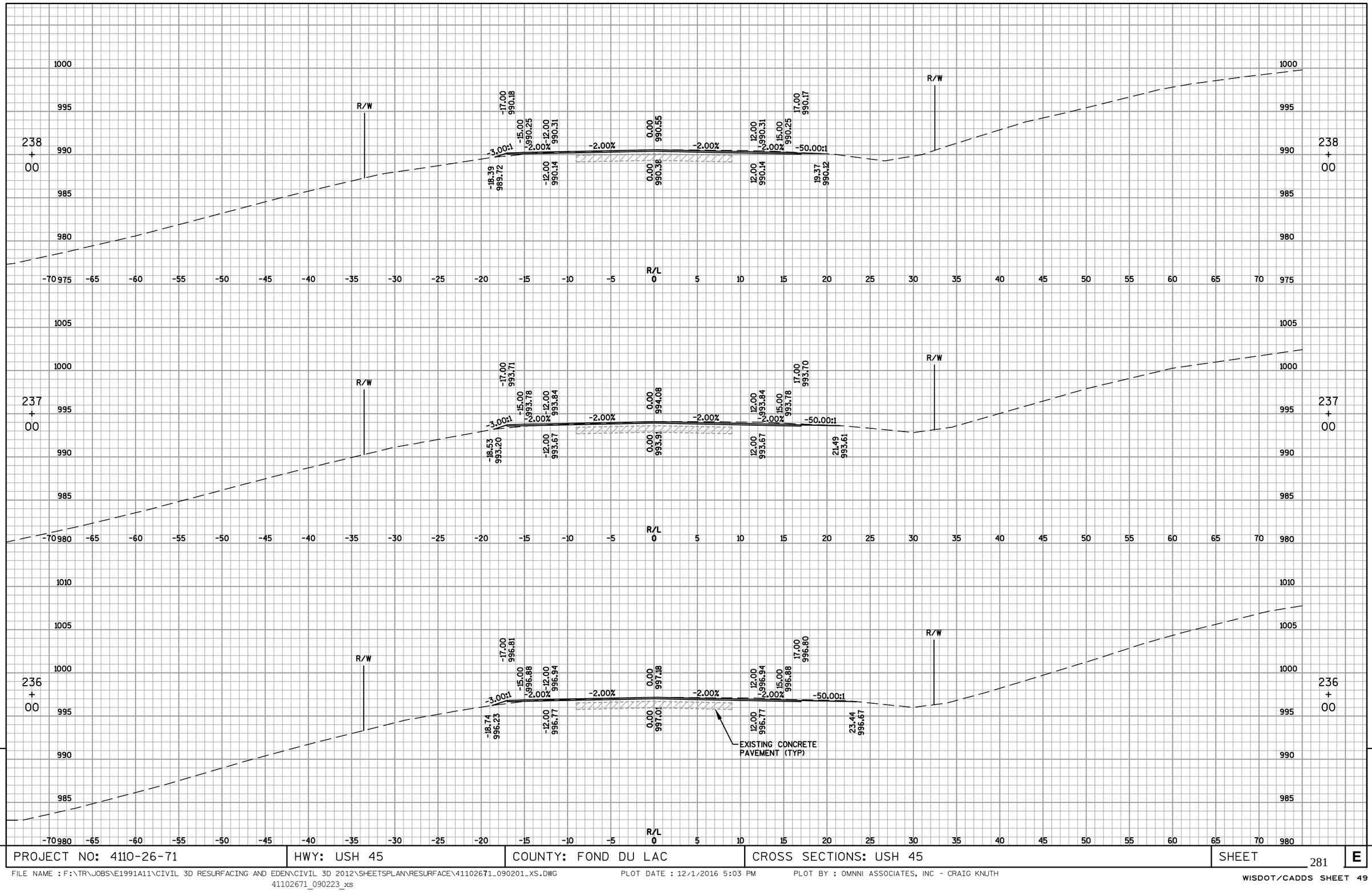
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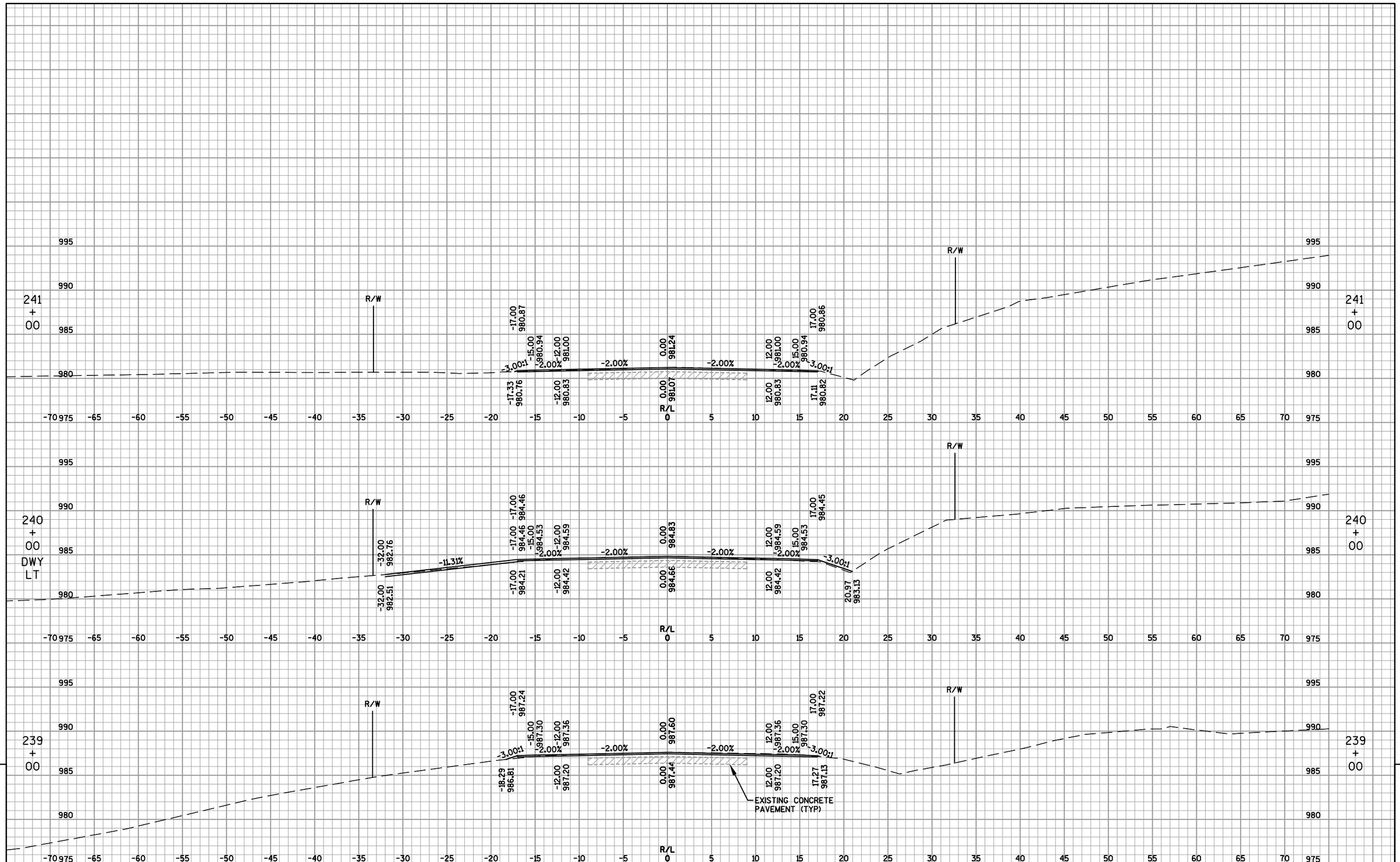
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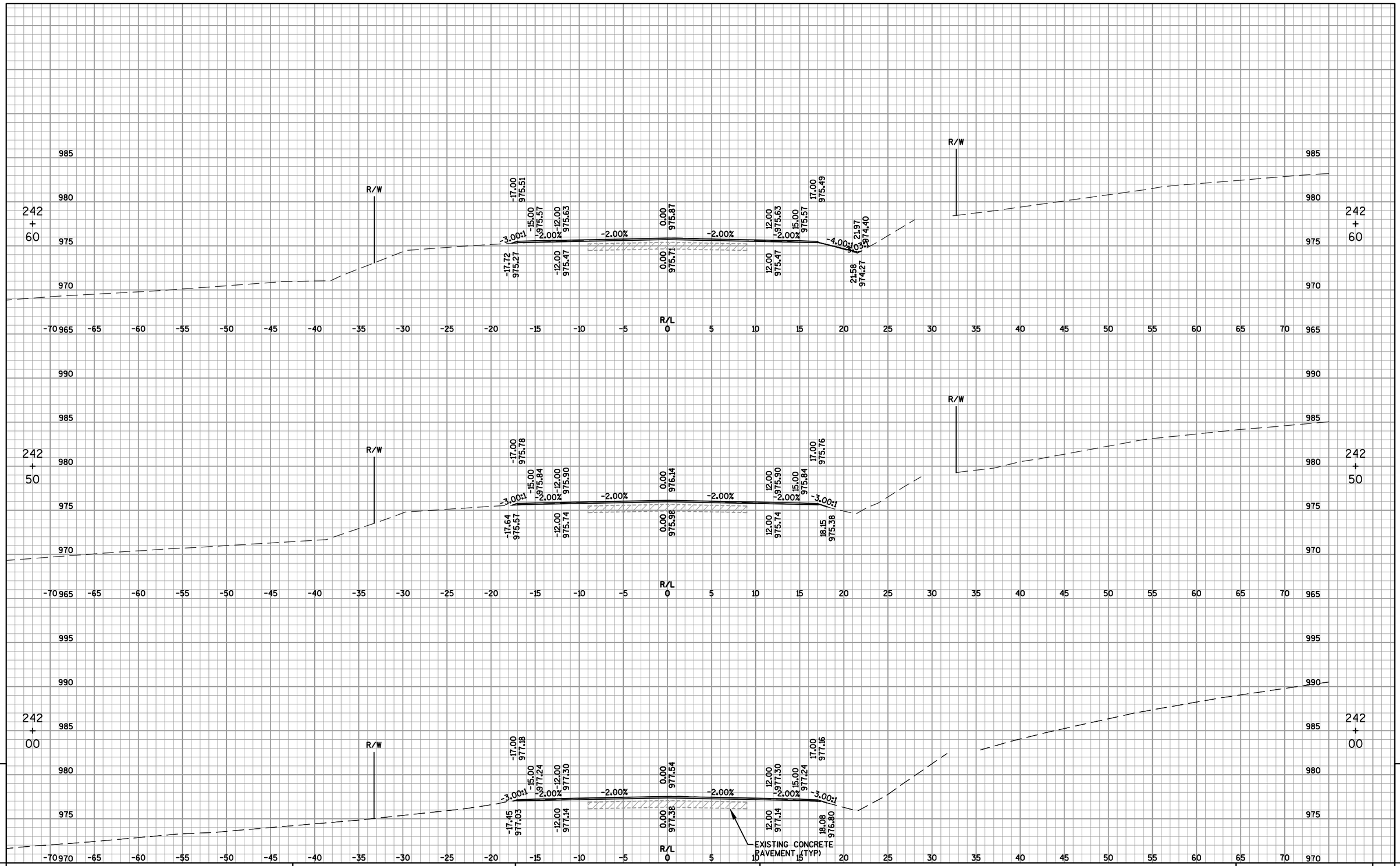
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 282	E

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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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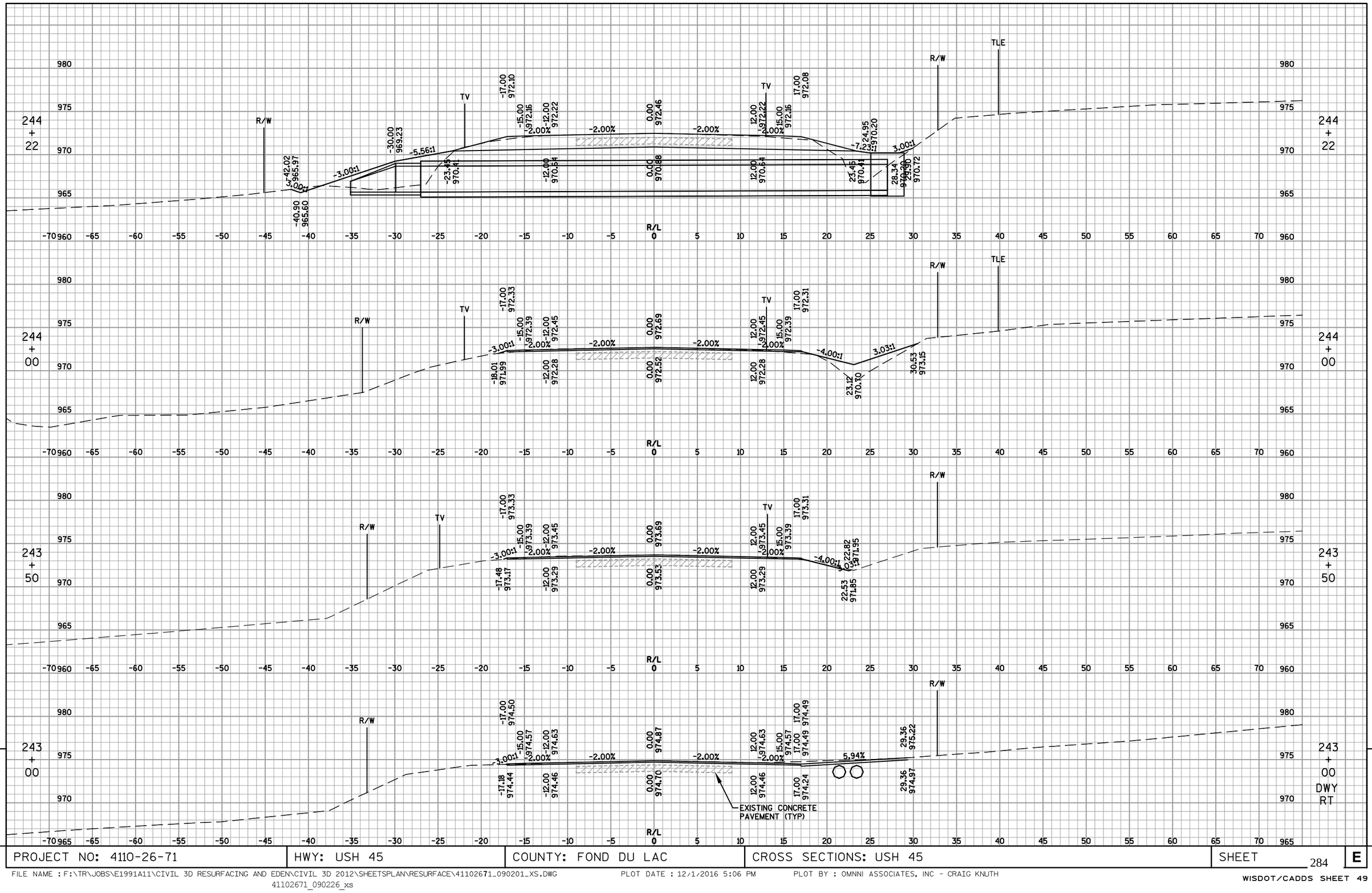
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PLOT DATE : 12/1/2016 5:05 PM

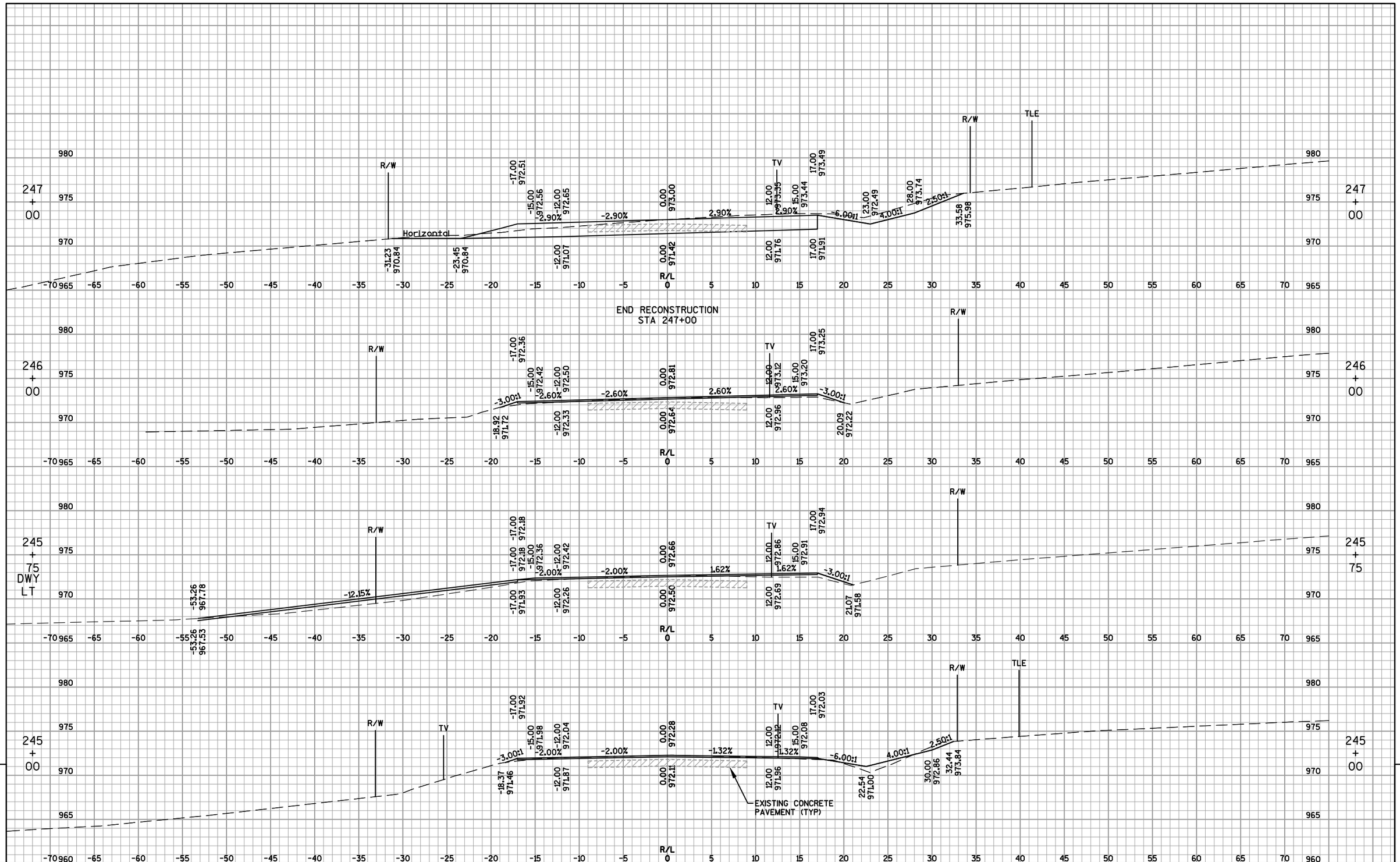
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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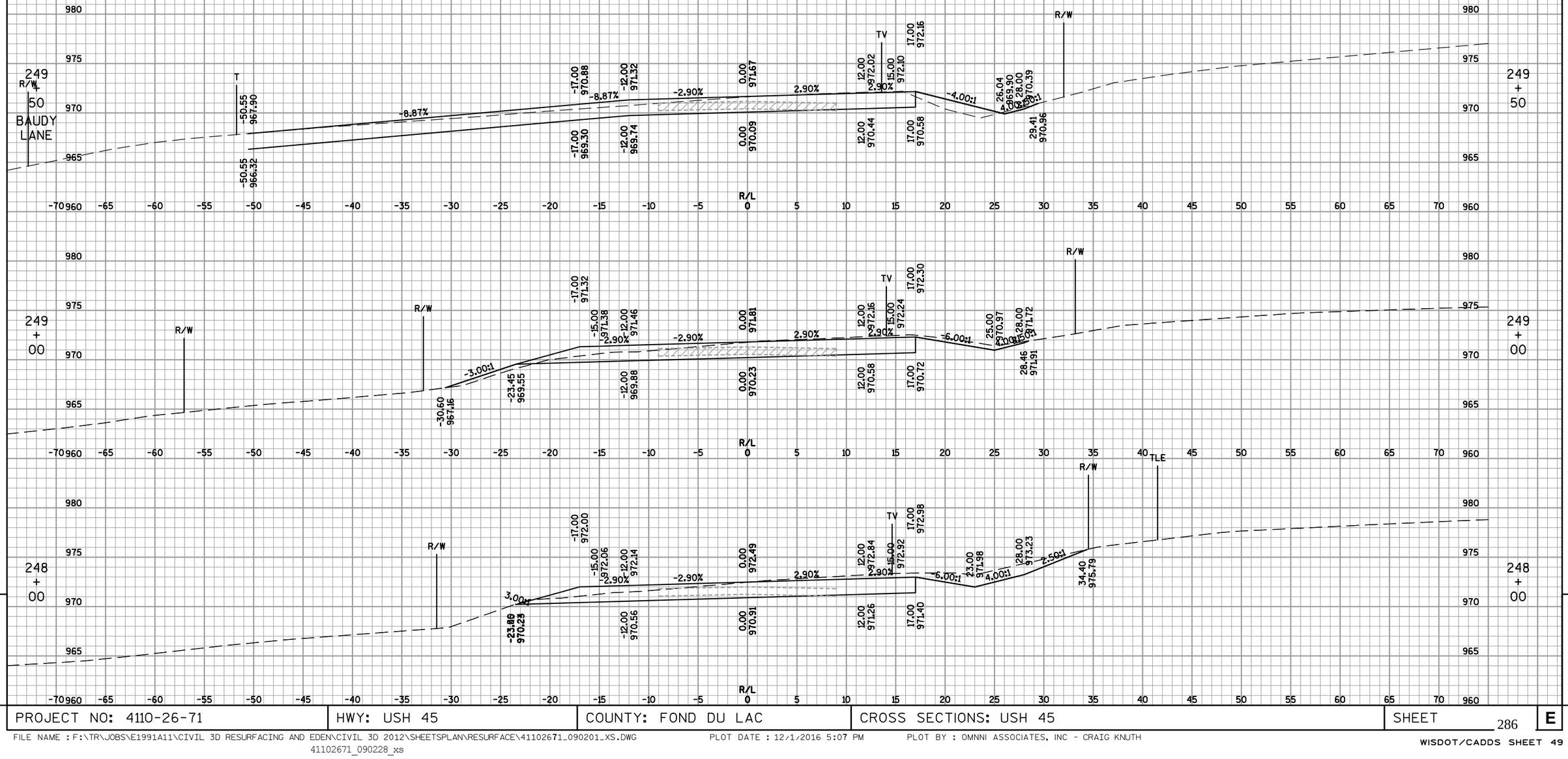
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PLOT DATE : 12/1/2016 5:06 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 285	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
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PLOT DATE : 12/1/2016 5:06 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH
WISDOT/CADDS SHEET 49



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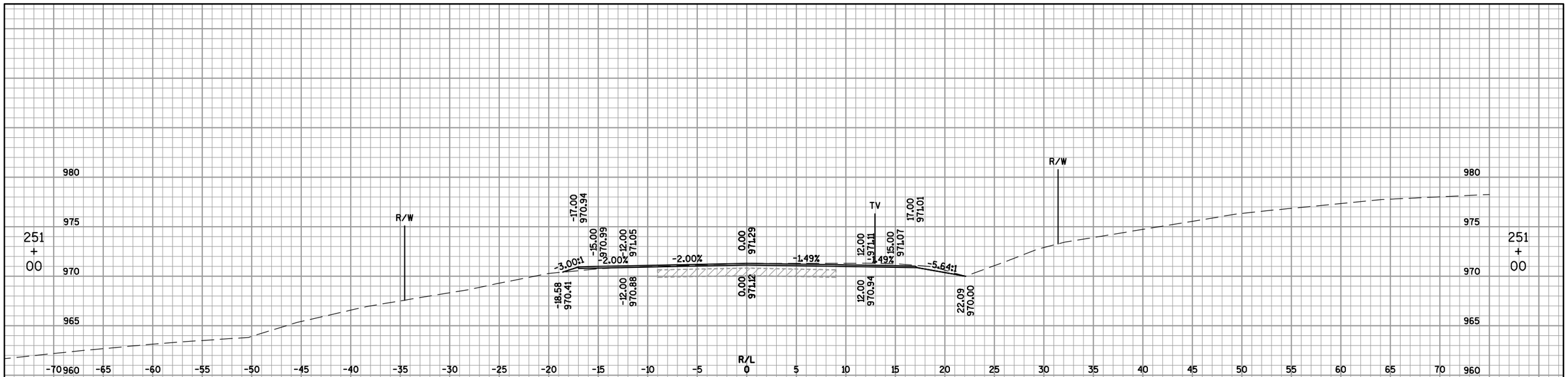
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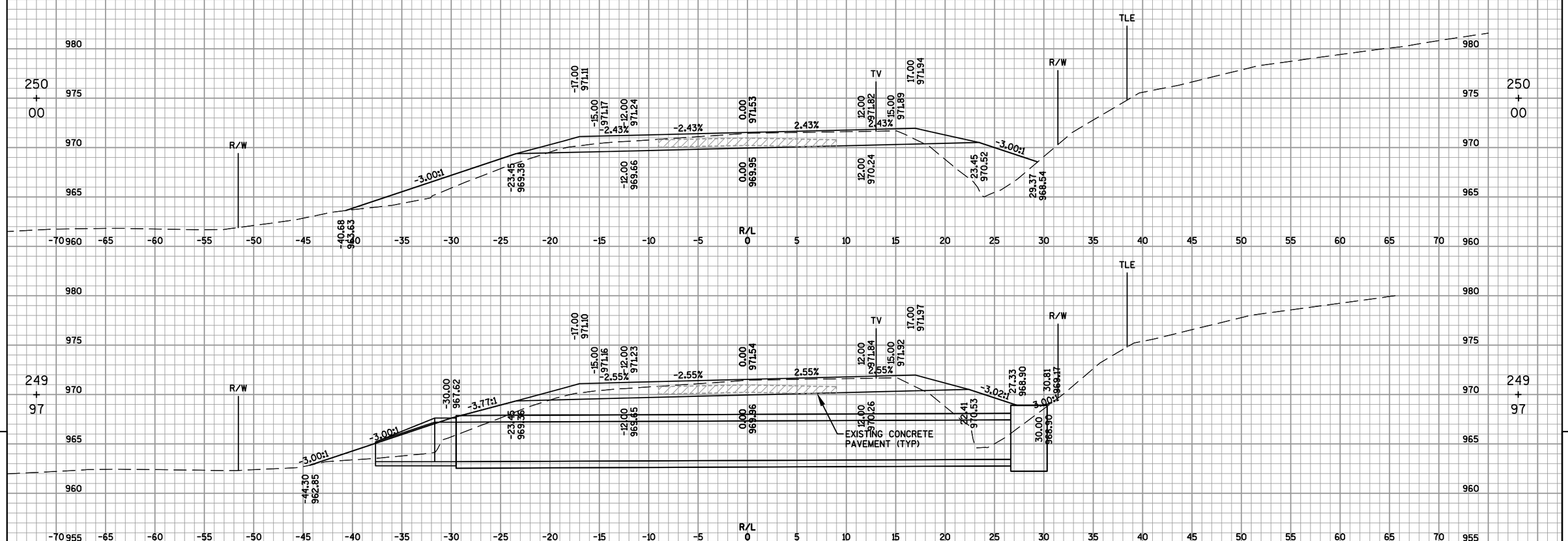
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PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

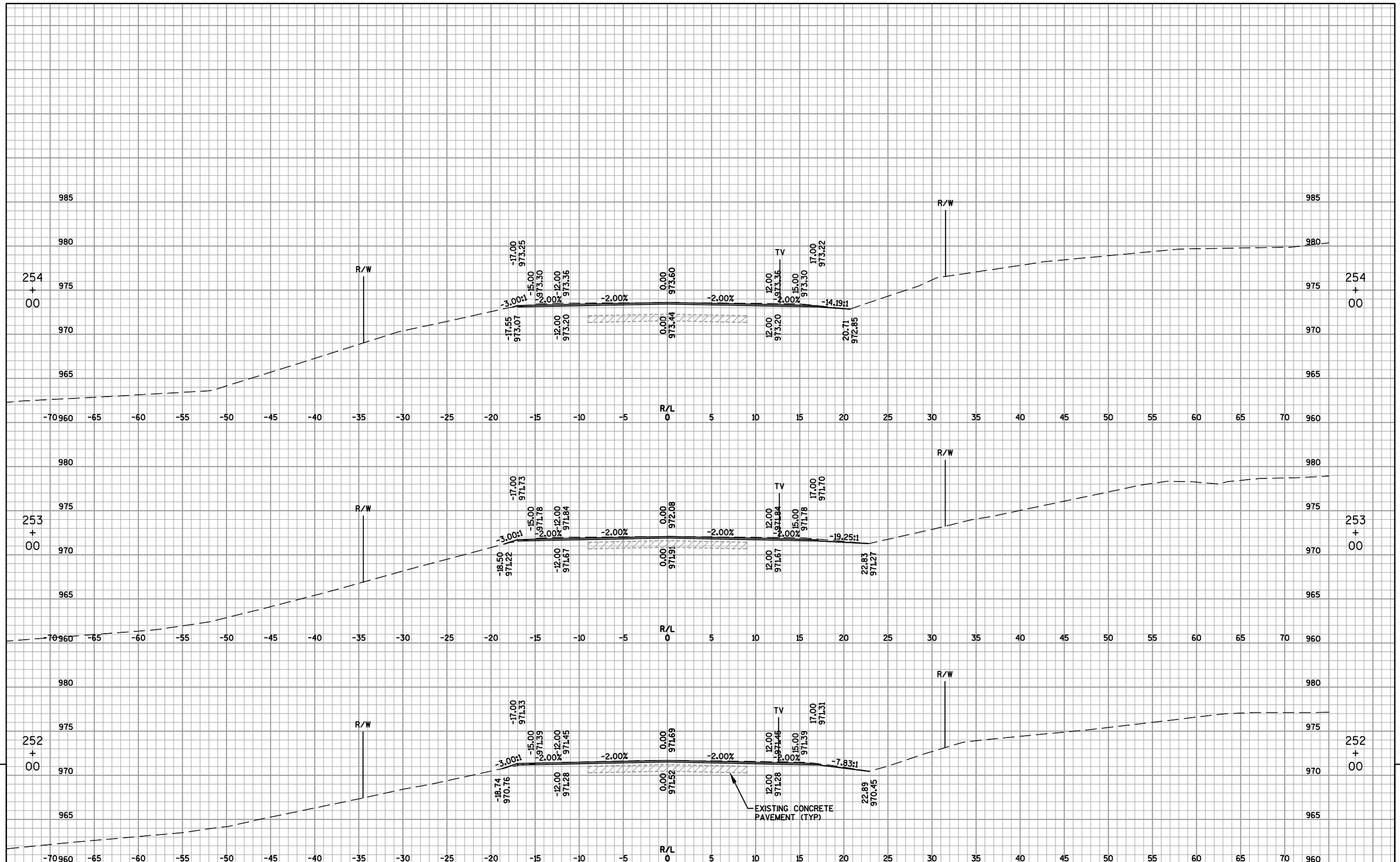
WISDOT/CADDS SHEET 49



END RECONSTRUCTION
STA 250+75



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 287	E



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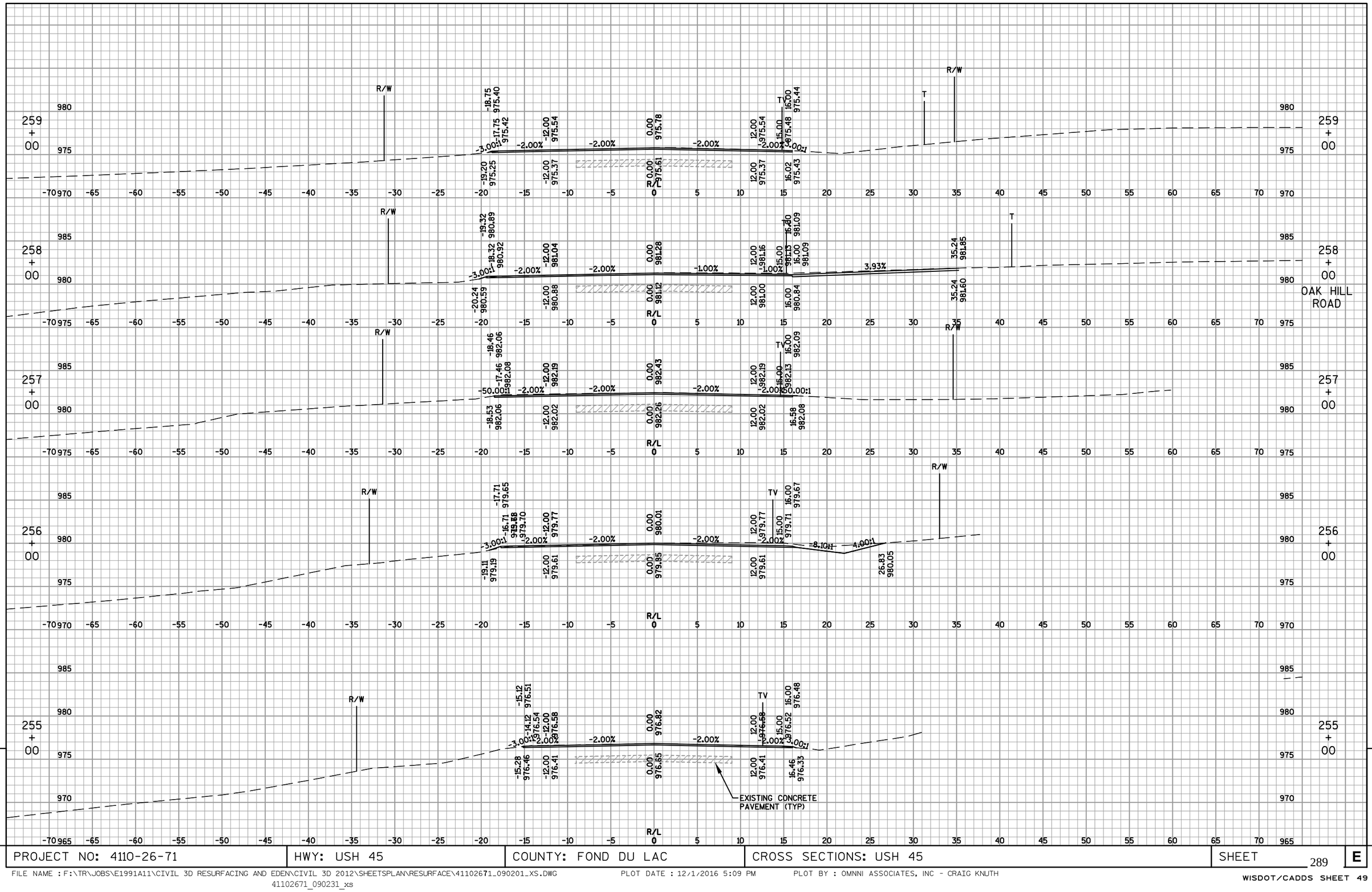
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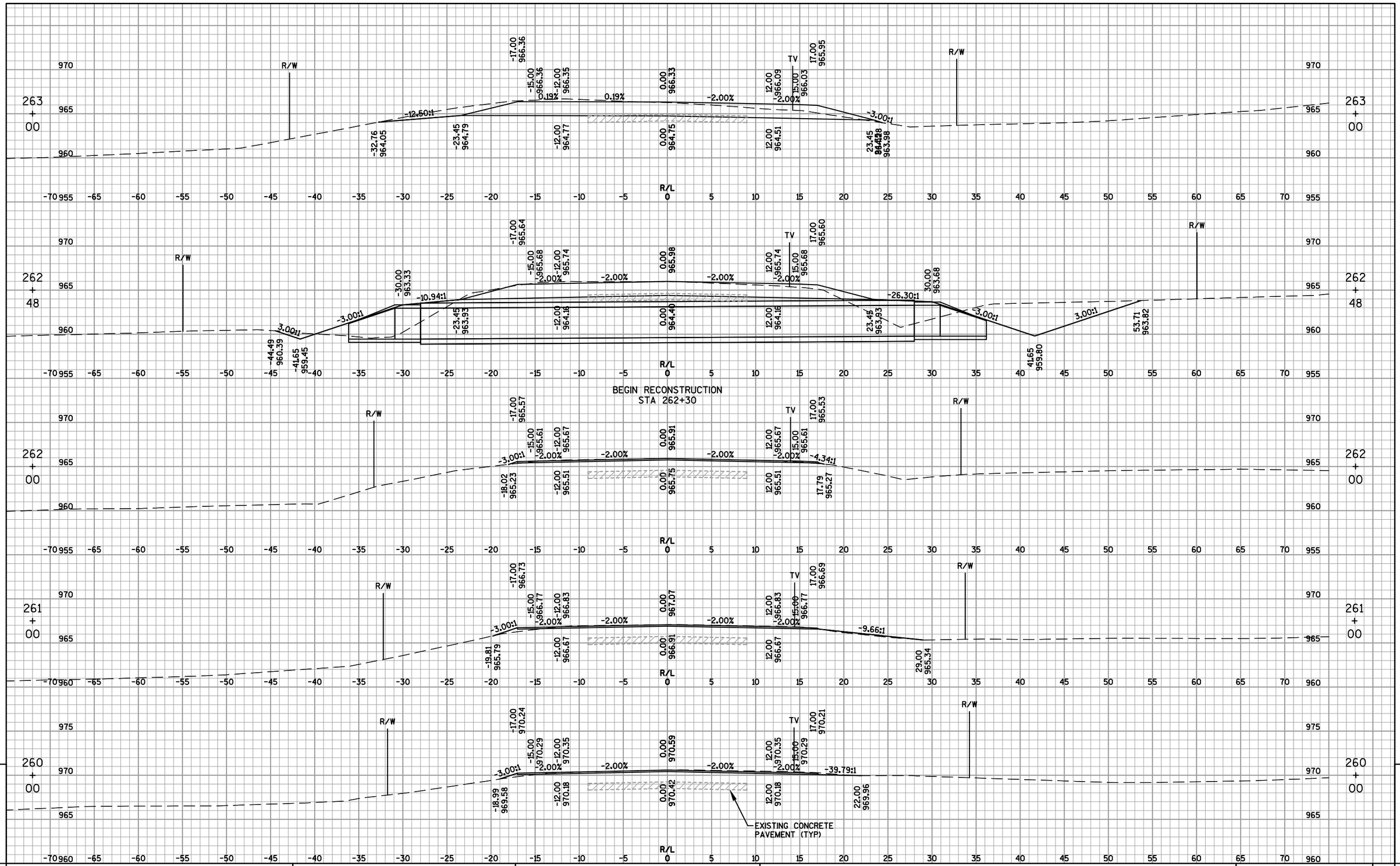
PLOT DATE : 12/1/2016 5:08 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 289	E



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 290 E

END RECONSTRUCTION
STA 268+00

268+00

267+00

266+00

265+67 SKEWED 10° RHF

265+00

264+00

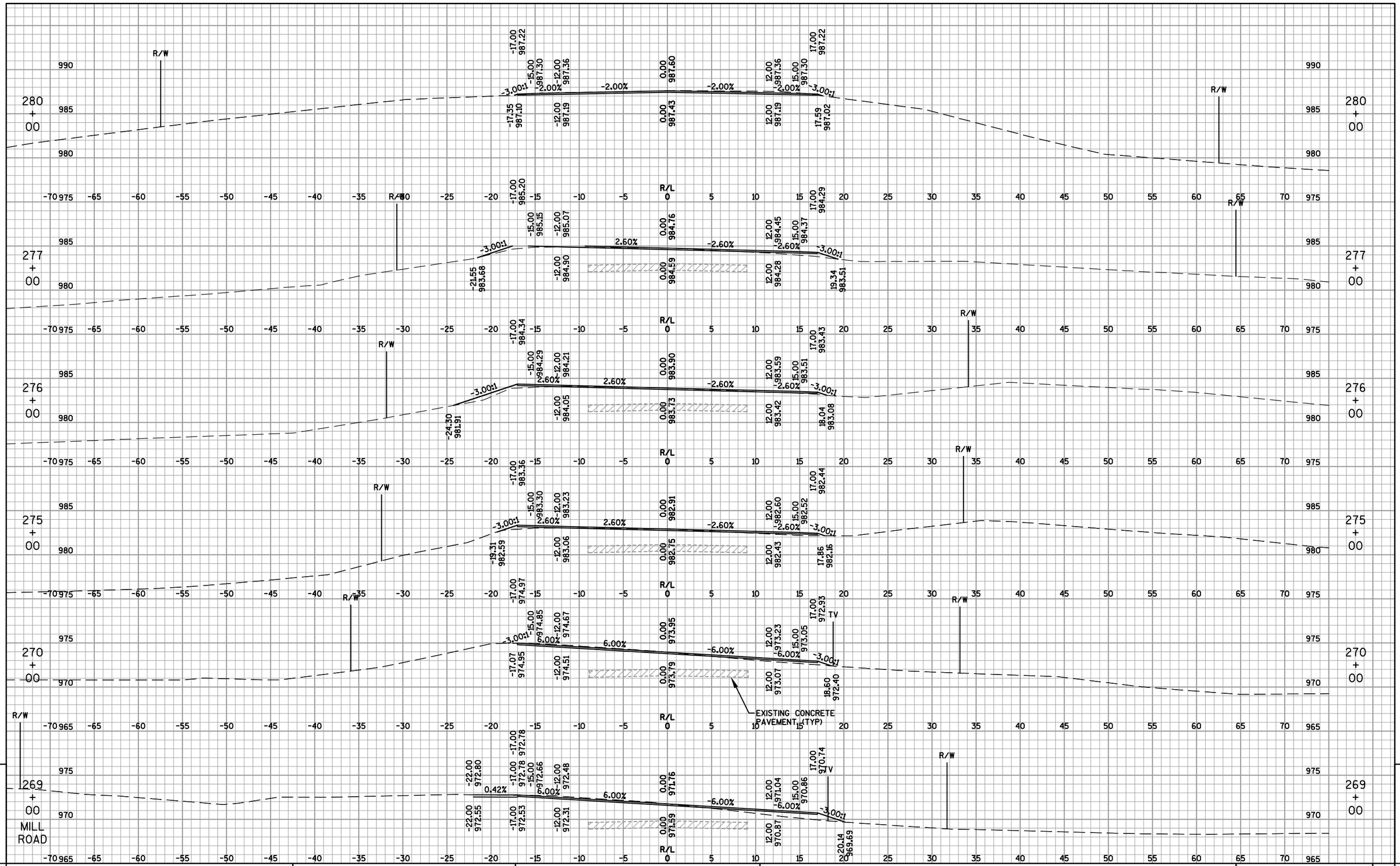
EXISTING CONCRETE PAVEMENT (TYP)

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 291	E

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41102671_090233_xs

PLOT DATE : 12/1/2016 5:10 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 292	E

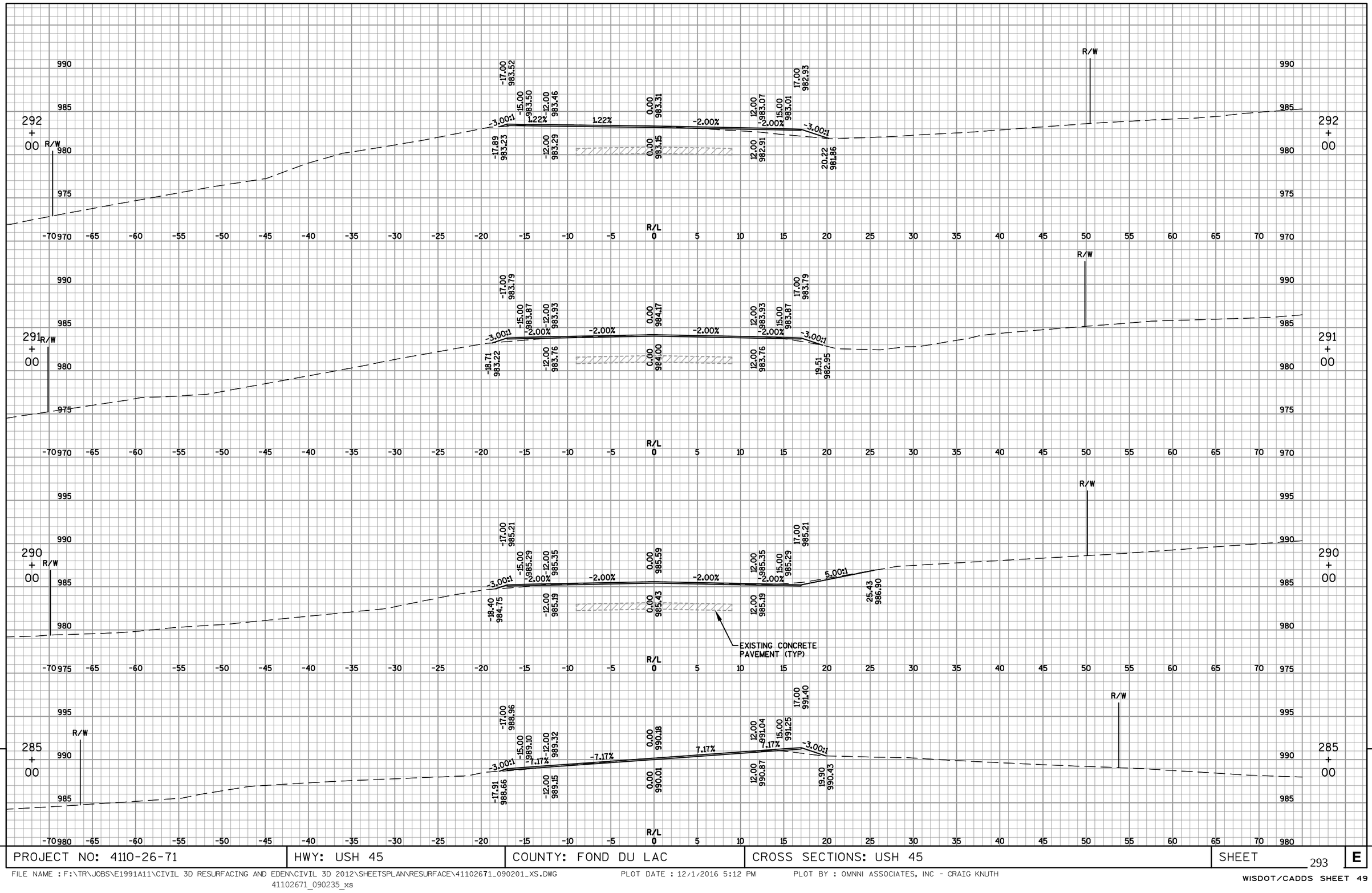
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PLOT DATE : 12/1/2016 5:11 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

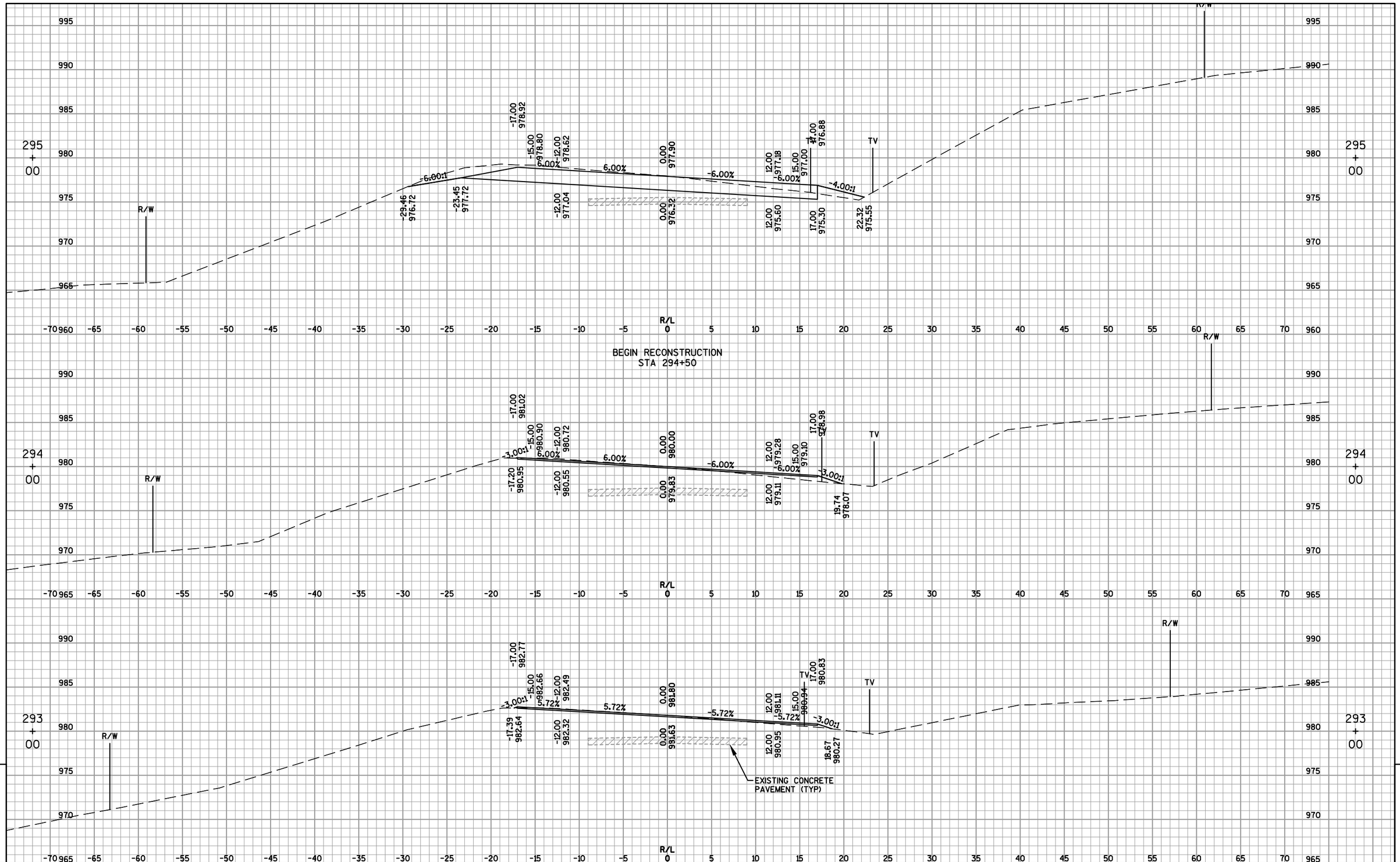
WISDOT/CADDS SHEET 49



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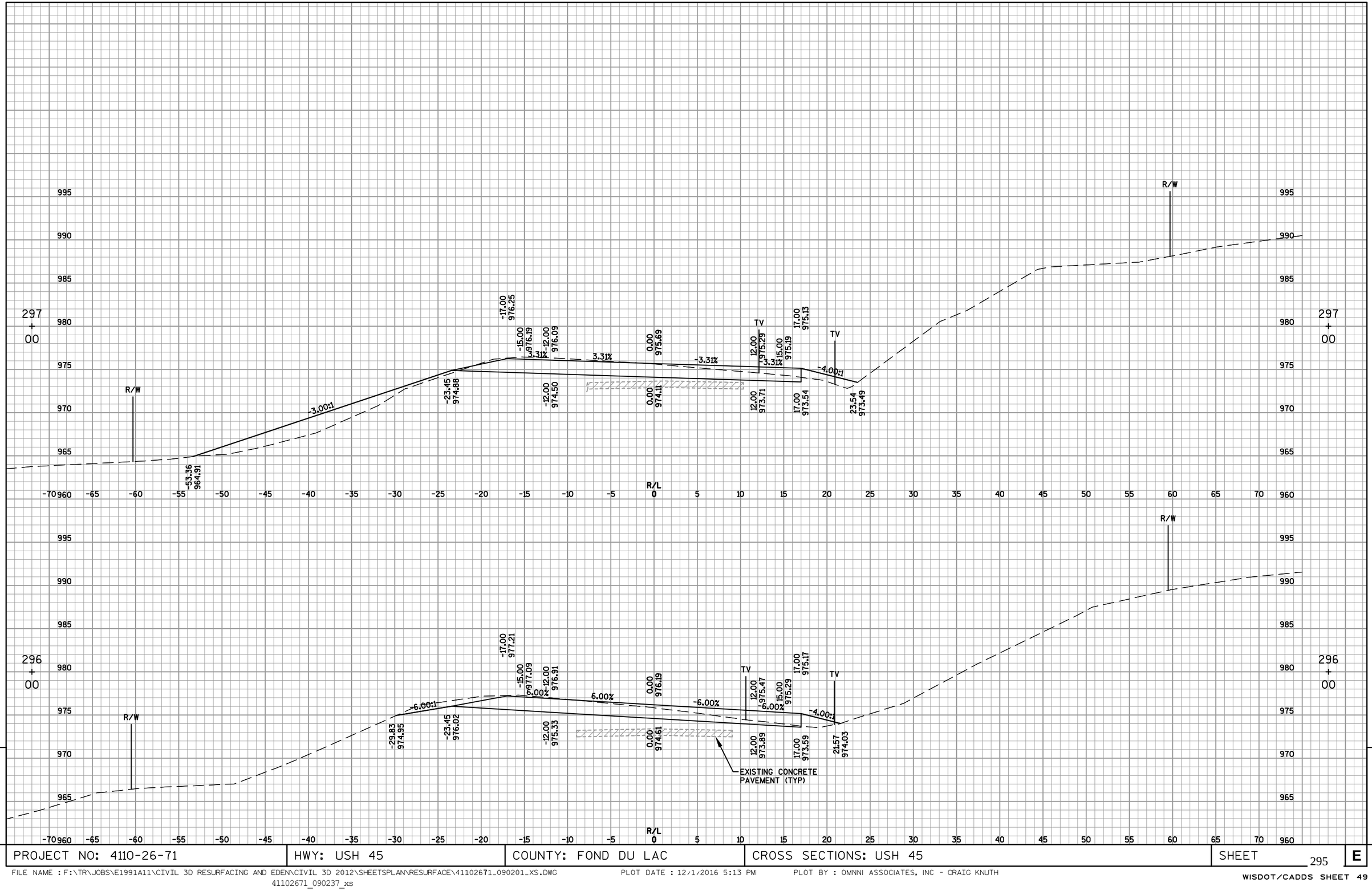
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PLOT DATE : 12/1/2016 5:12 PM
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 294	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090236_xs

PLOT DATE : 12/1/2016 5:13 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



9

9

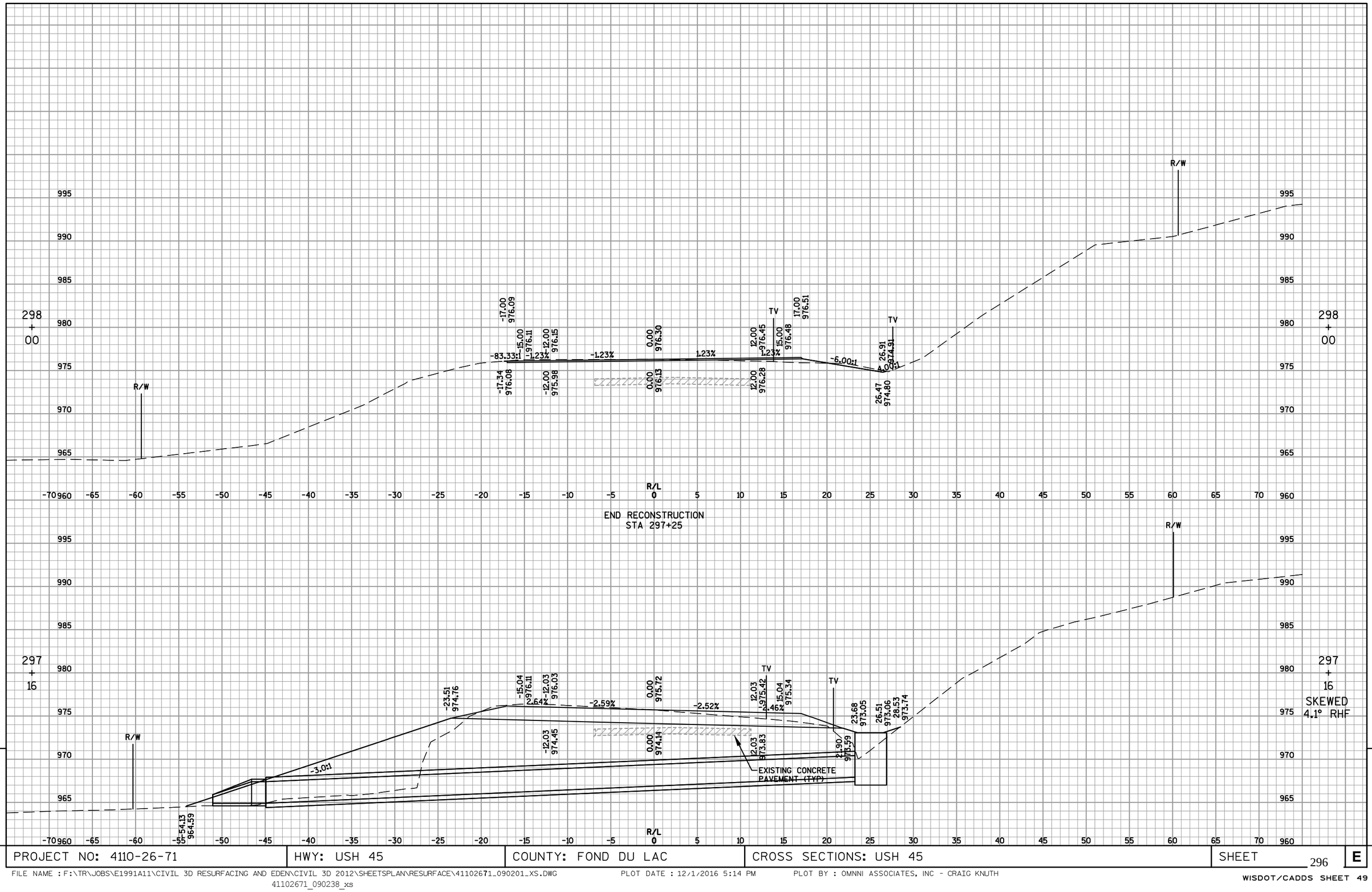
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 295	E

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41102671_090237_xs

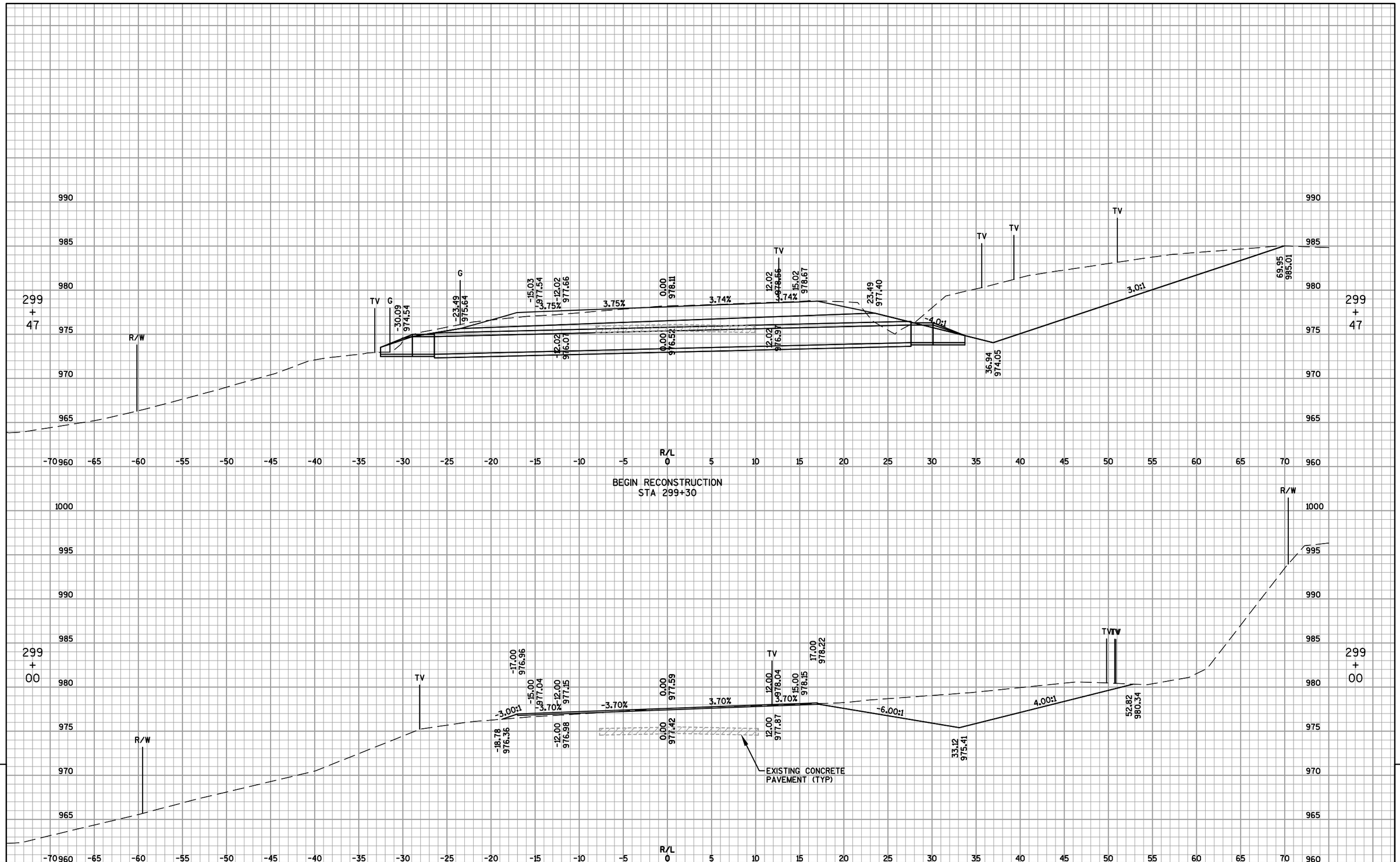
PLOT DATE : 12/1/2016 5:13 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 296	E



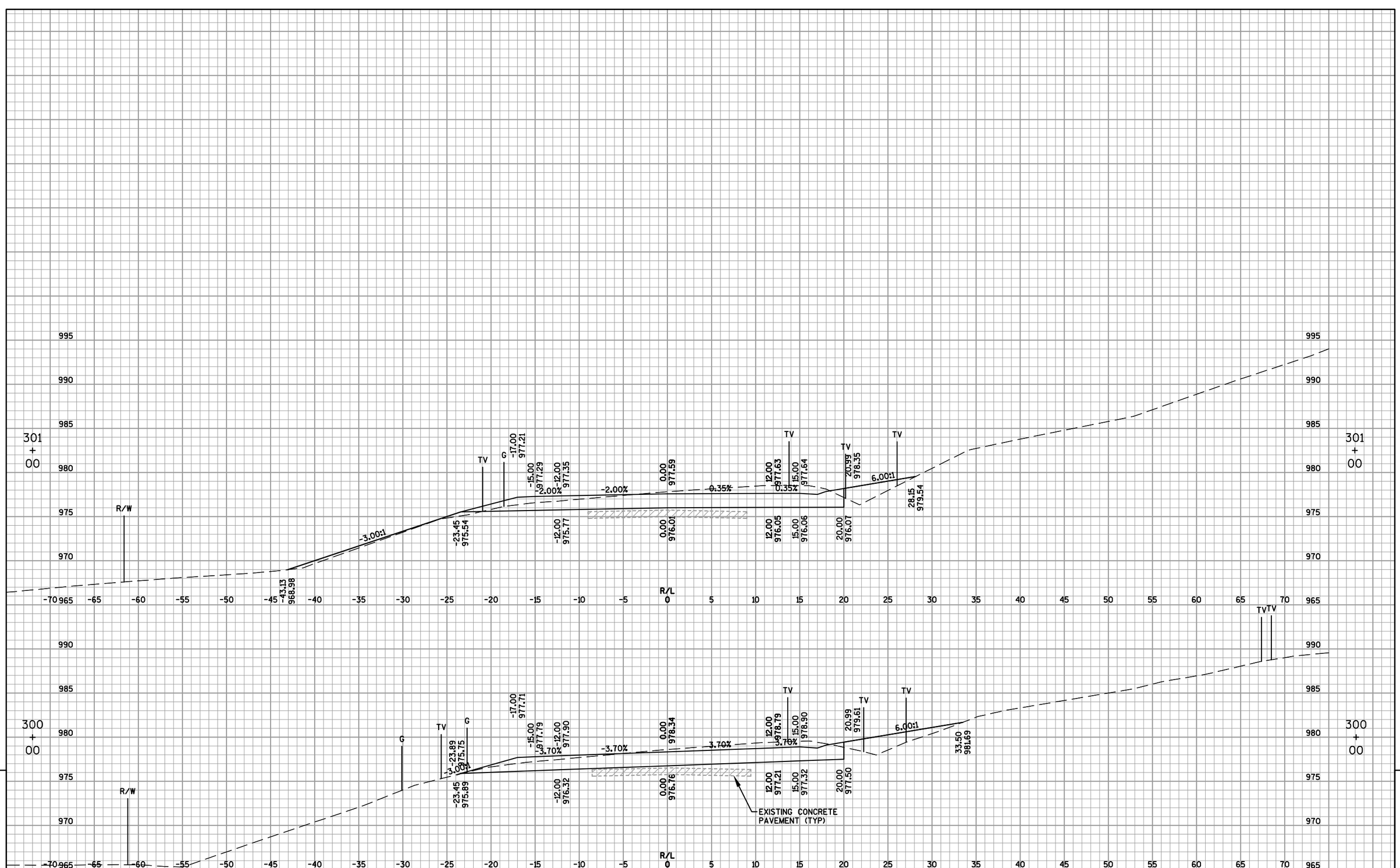
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090239_xs

PLOT DATE : 12/1/2016 5:15 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



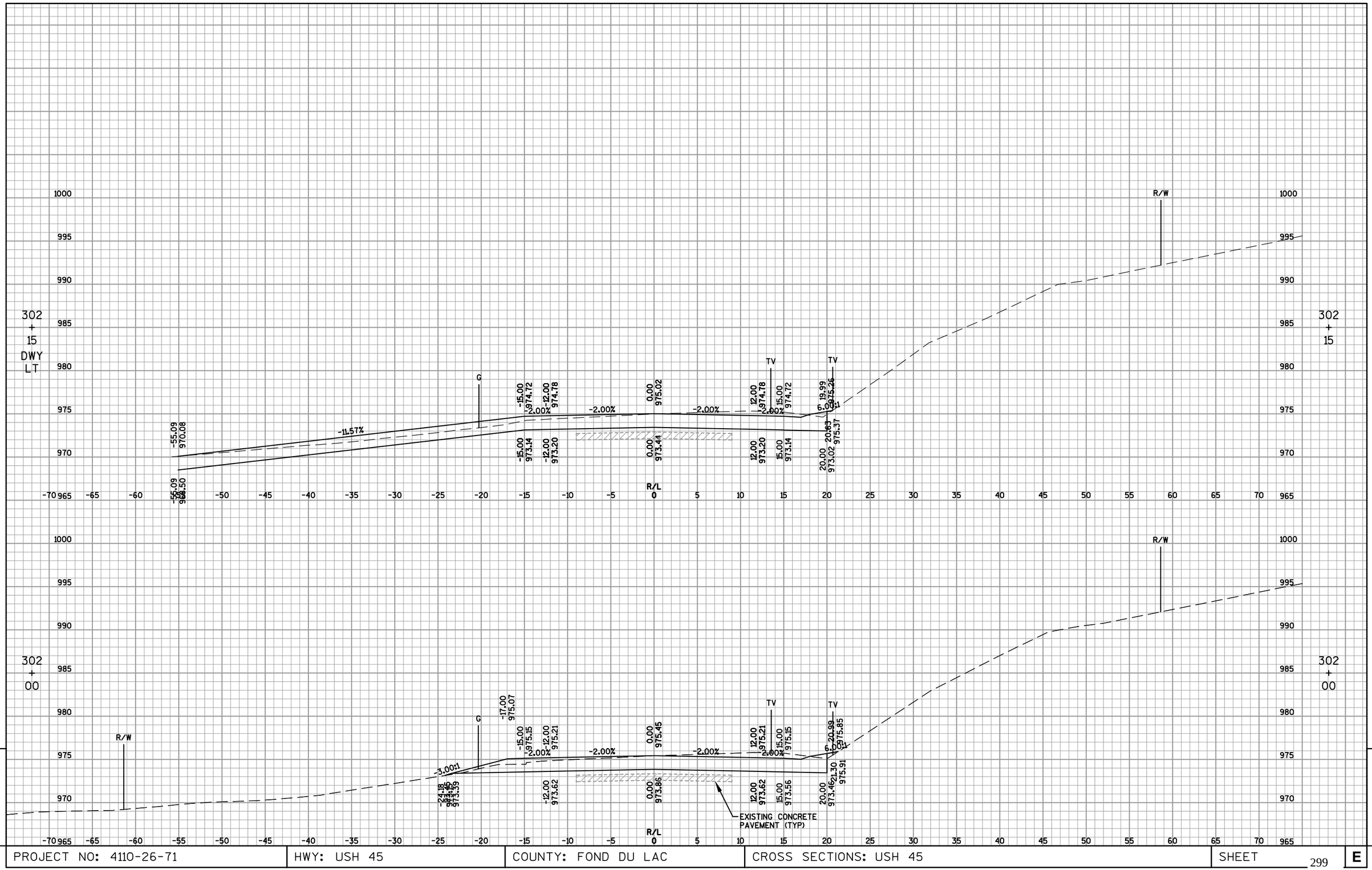
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 298	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090240_xs

PLOT DATE : 12/1/2016 5:16 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



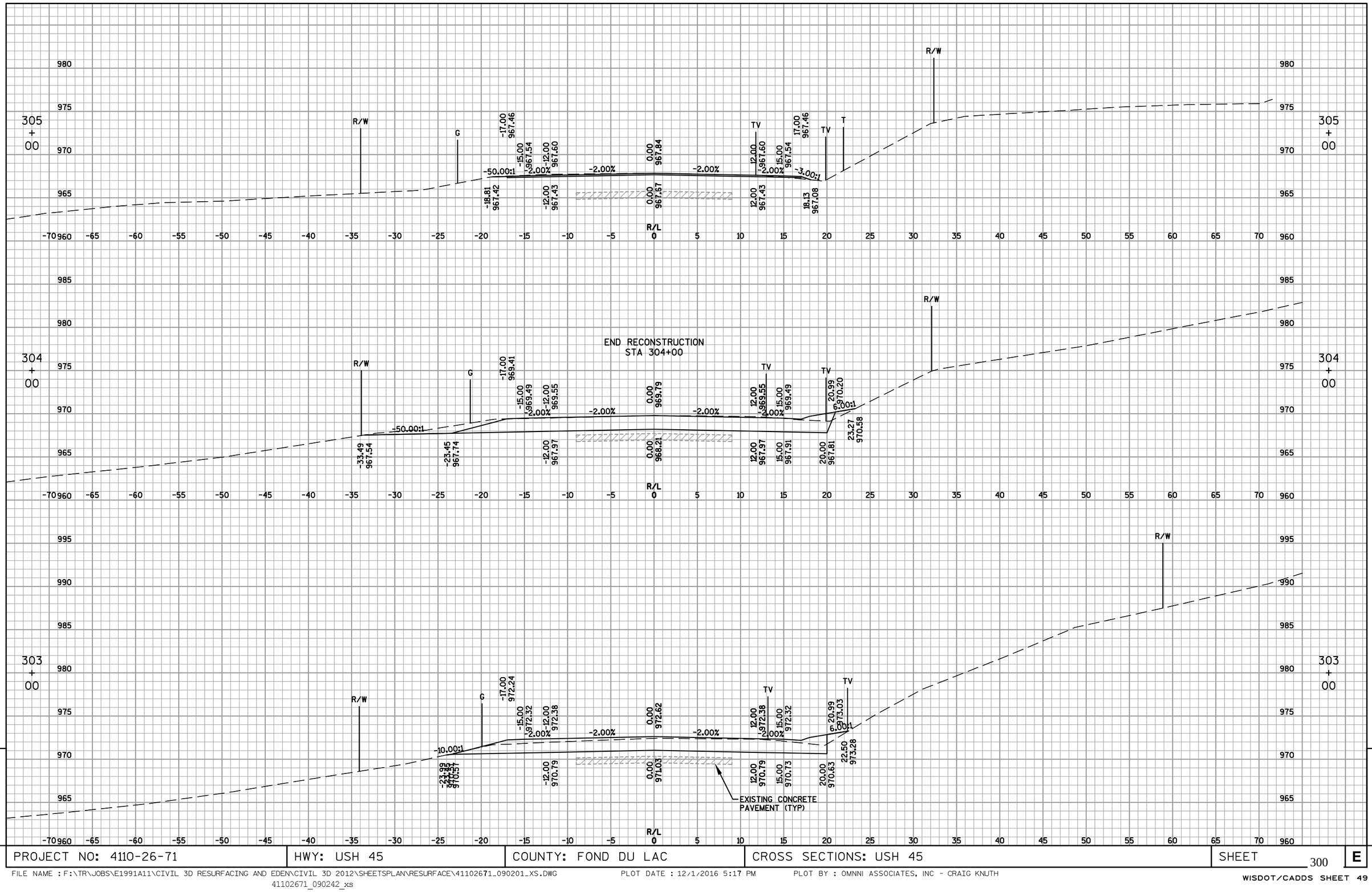
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090241_xs

PLOT DATE : 12/1/2016 5:17 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



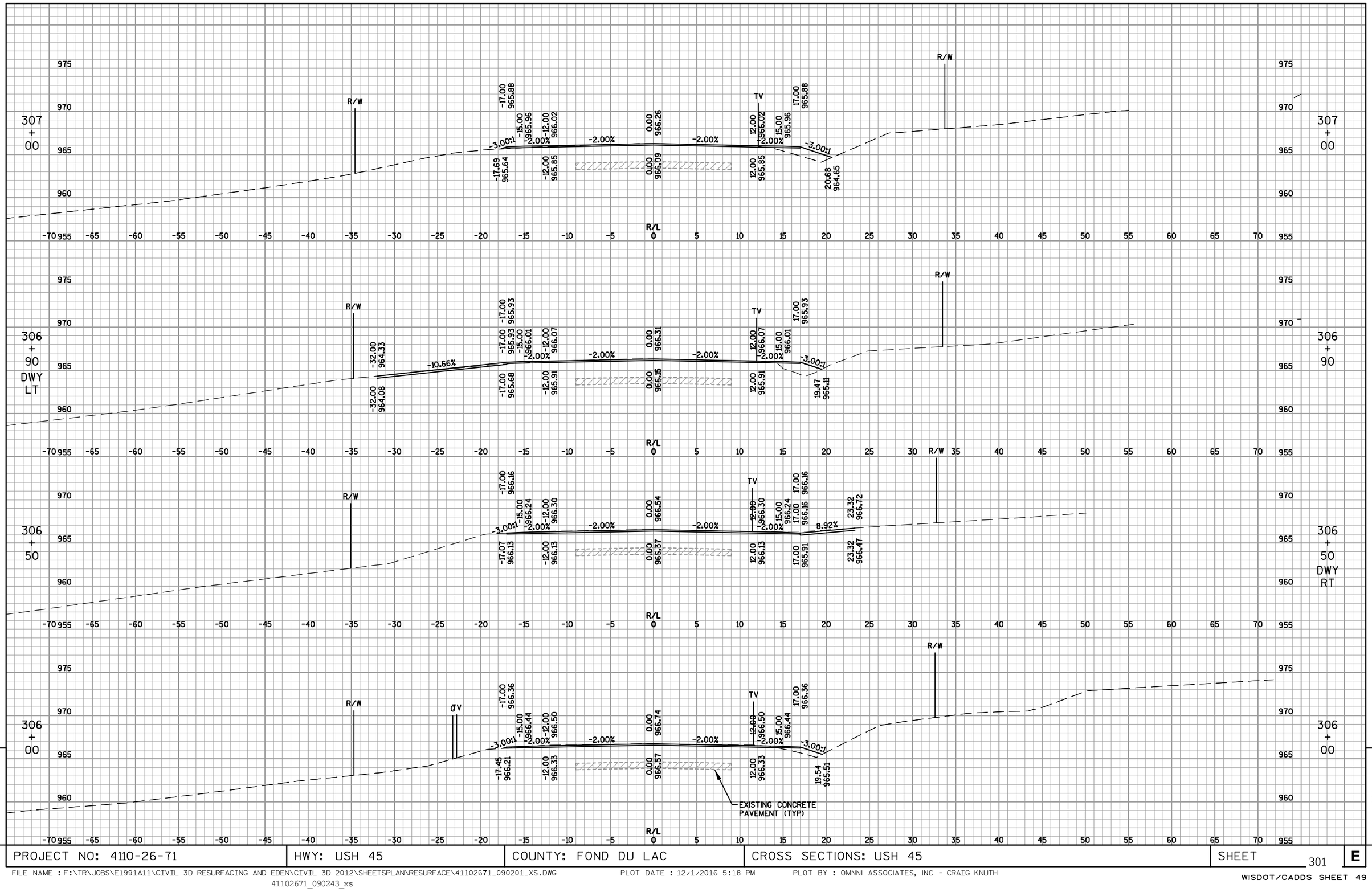
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41102671_090242_xs

PLOT DATE : 12/1/2016 5:17 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

9

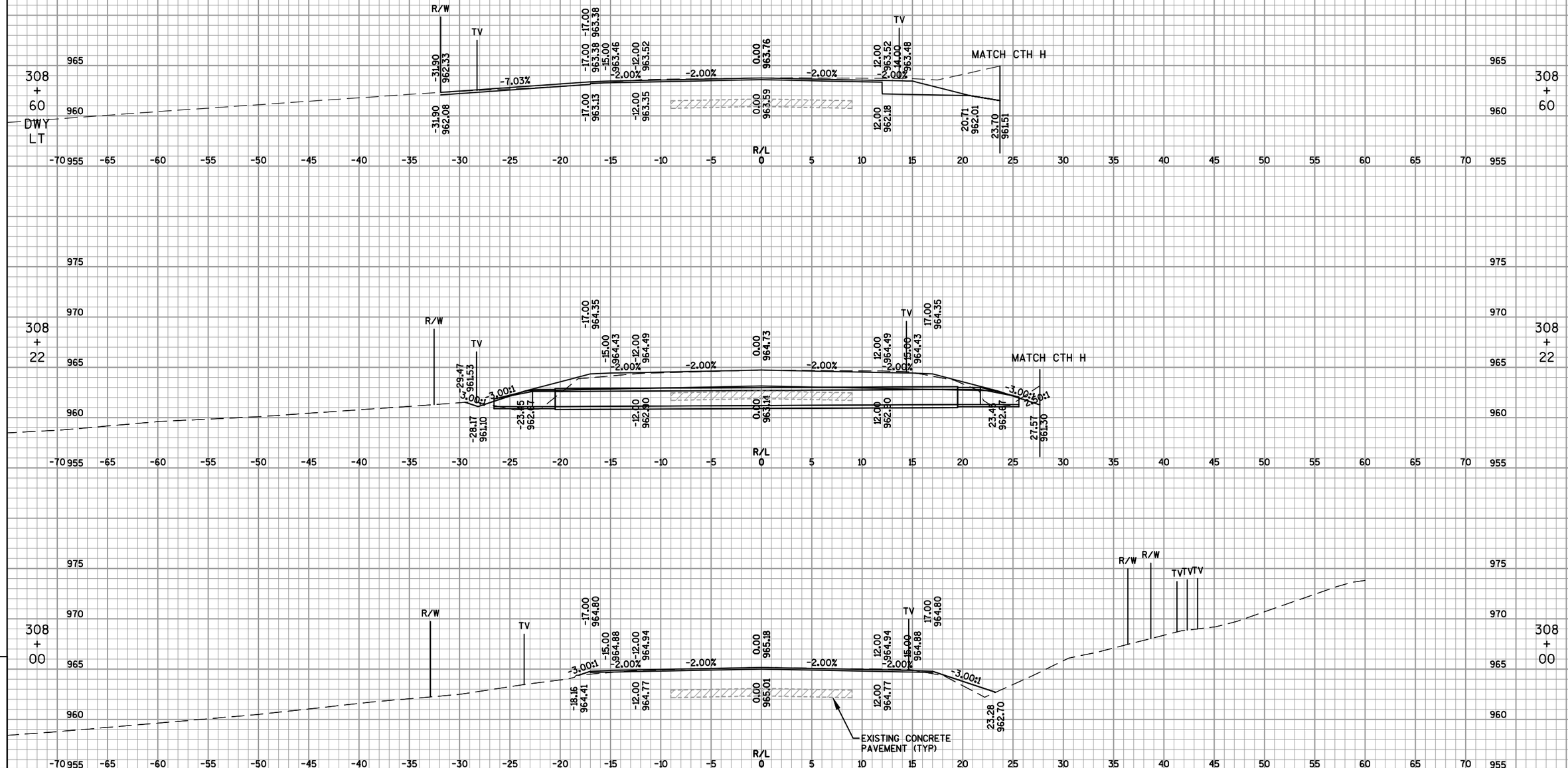
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090243_xs

PLOT DATE : 12/1/2016 5:18 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



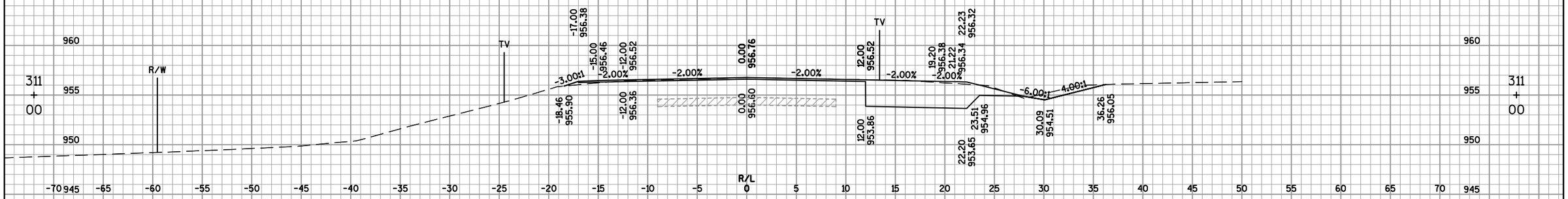
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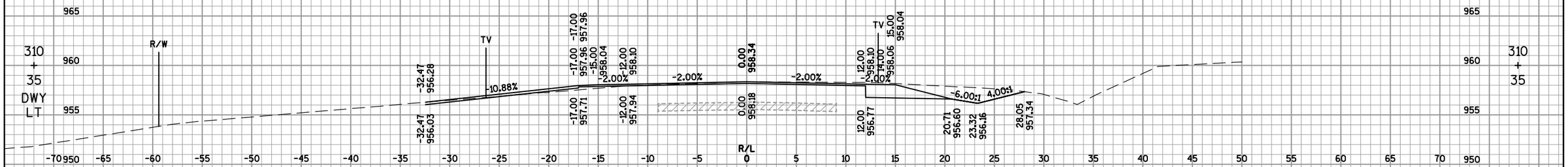
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41102671_090244_xs

PLOT DATE : 12/1/2016 5:19 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

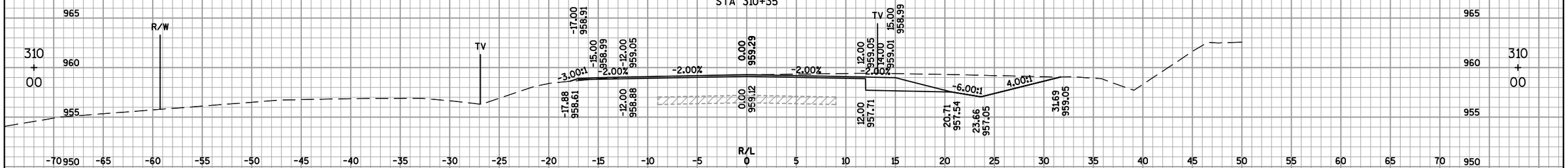
WISDOT/CADDS SHEET 49

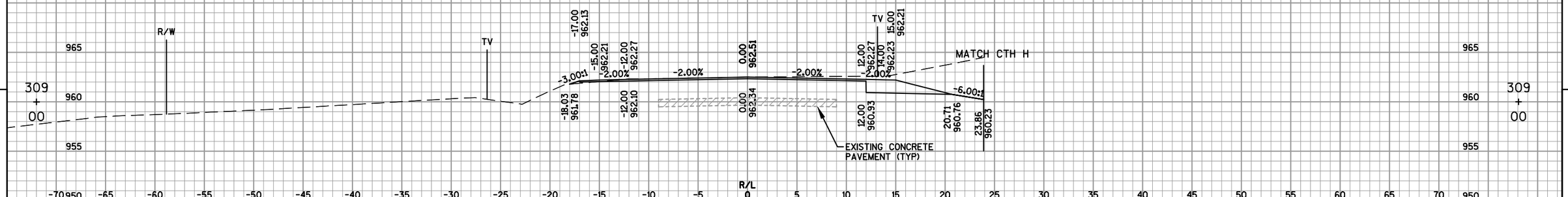
BEGIN RECONSTRUCTION
BYPASS LANE LEFT
STA 311+44





BEGIN RECONSTRUCTION
RIGHT-TURN LANE
STA 310+35

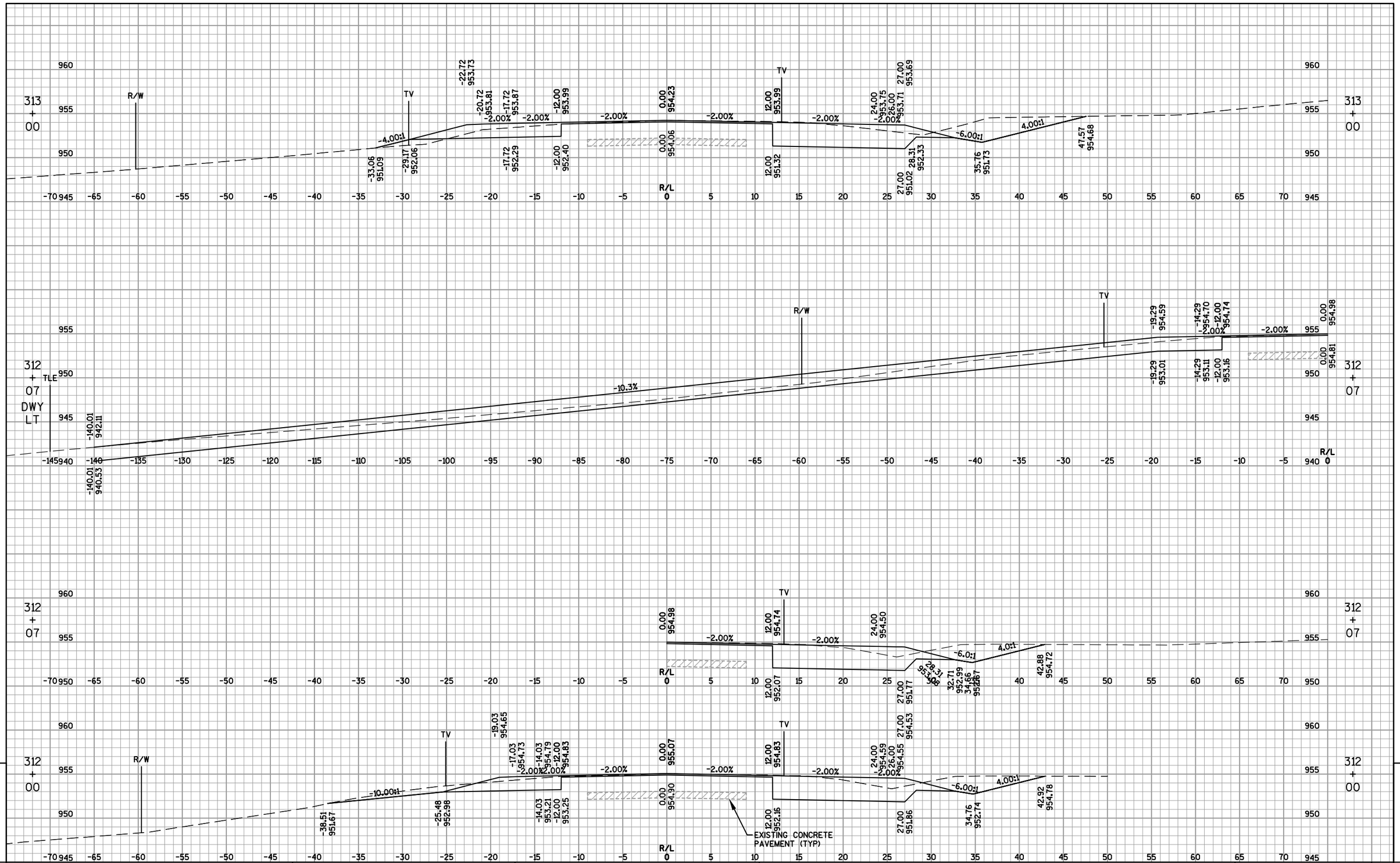




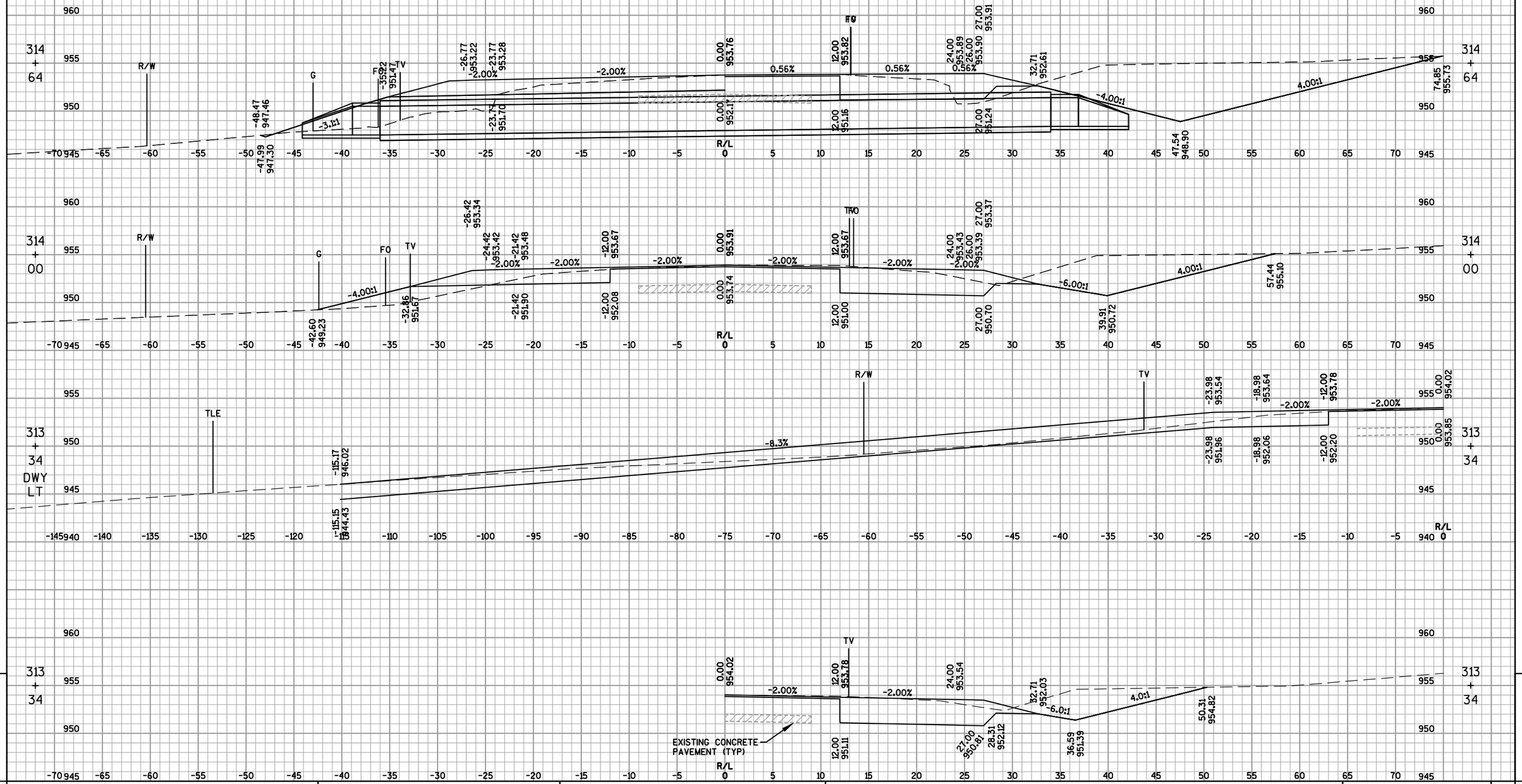
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9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 303	E



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 304	E



9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 305	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090247_xs

PLOT DATE : 12/1/2016 5:21 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

317 + 00

R/W
TV
Horizontal
-29.00 949.29
-27.00 949.40
-24.00 949.56
-12.00 950.22
0.00 950.88
12.00 951.54
16.28 951.72
18.28 951.80
19.28 951.84
R/W
-5.50%
5.50%
4.00%
-6.00:1
4.00:1
-12.00 948.64
0.00 950.72
12.00 948.88
19.28 949.21
33.14 949.50
40.05 951.23
-71.36 947.35
-35.45 947.85
-24.00 947.98
R/L

316 + 00

R/W
TV
MATCH CTH H
CTH H
-25.00:1
-29.01 951.32
-27.01 951.43
-24.01 951.59
-12.00 952.25
0.00 952.91
12.00 953.57
24.00 954.05
36.24 954.54
-5.50%
5.50%
4.00%
3.96%
3.79%
-46.84 948.92
-35.45 949.38
-24.01 950.01
-12.00 950.67
0.00 952.74
12.00 950.90
24.00 951.38
36.24 951.88
43.24 951.98
54.03 974.52
R/L

315 + 35 DWY LT

SEE CONSTRUCTION DETAIL FOR DRIVEWAY
FDV
MATCH CTH H
CTH H
-29.04 952.40
-29.04 950.81
-12.00 953.04
-12.00 951.45
0.00 953.49
0.00 953.32
12.00 953.94
12.00 951.27
24.00 954.38
46.05 955.14
46.05 952.47
-3.76%
3.76%
3.45%
3.4%
R/L

315 + 15

R/W
G
FO
TV
FDV
MATCH CTH H
CTH H
4.00:1
-29.00 952.72
-27.00 952.80
-24.00 952.89
-12.00 953.23
0.00 953.58
0.00 953.41
12.00 953.92
12.00 951.25
24.00 954.26
43.99 954.32
-2.86%
2.86%
2.82%
3.14%
32.13 954.52
38.27 951.86
-44.54 948.71
-35.45 950.38
-24.00 951.31
R/L

315 + 00

R/W
G
FO
TV
FDV
4.00:1
EXISTING CONCRETE PAVEMENT (TYP)
-29.00 952.94
-27.00 953.02
-24.00 953.08
-12.00 953.35
0.00 953.61
0.00 953.44
12.00 953.87
12.00 951.20
24.00 954.53
24.00 954.22
24.00 951.46
30.69 954.53
30.69 951.47
33.32 953.91
-2.18%
2.18%
5.17%
-47.62 948.21
-35.45 951.25
-24.00 951.50
-12.00 951.76
R/L

9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 306	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090248_xs

PLOT DATE : 12/1/2016 5:22 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

320 + 30 DWY LT

320 + 30

320 + 00

320 + 00

319 + 32 DWY LT

319 + 32 DWY RT

BEGIN RECONSTRUCTION
STA 319+00

319 + 00

END RECONSTRUCTION
BYPASS LANE LEFT
STA 319+00

318 + 00

317 + 07 DWY LT

EXISTING CONCRETE PAVEMENT (TYP)

317 + 07

9

9

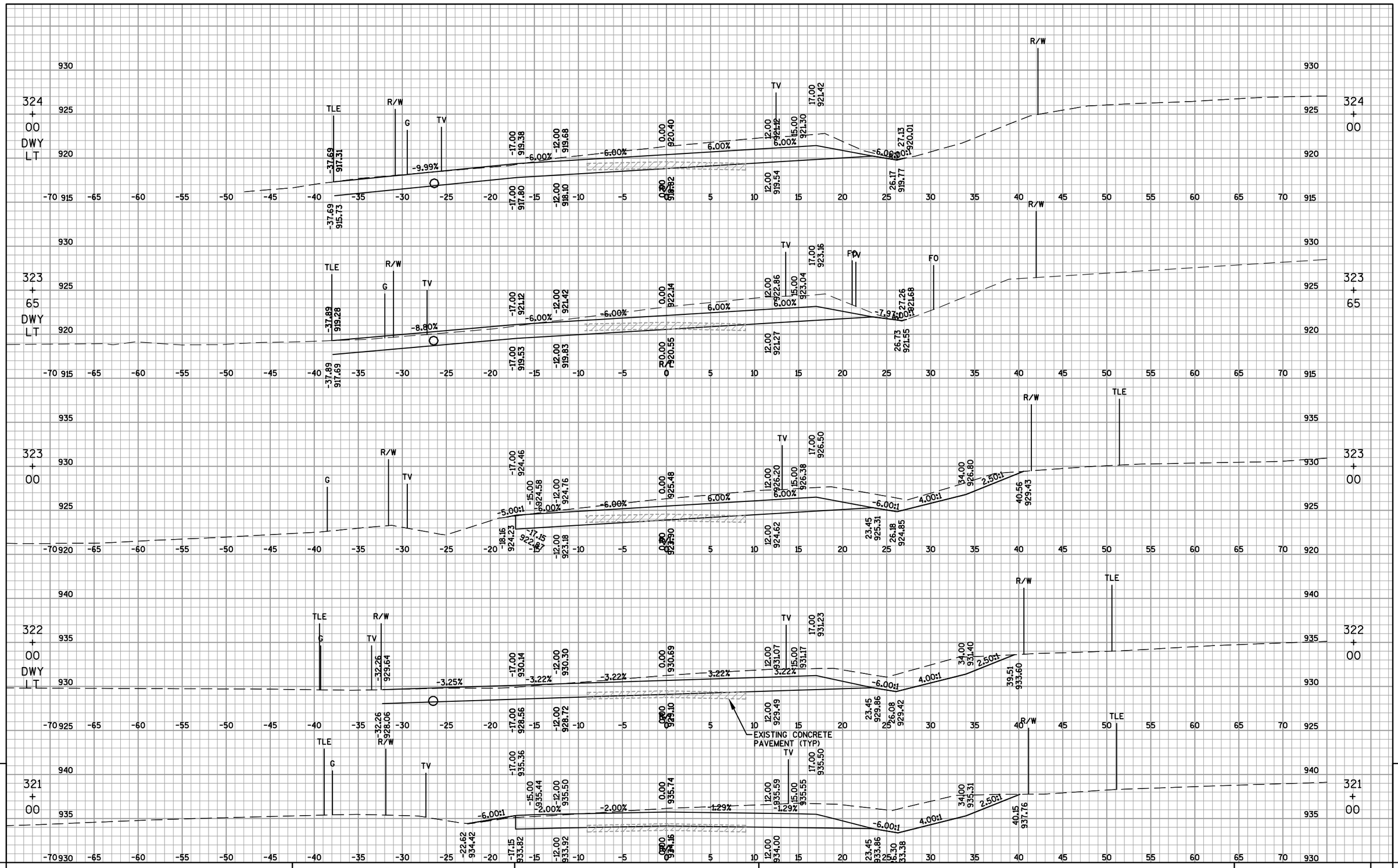
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090249_xs

PLOT DATE : 12/1/2016 5:23 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 308

9 E 9

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090250_xs

PLOT DATE : 12/1/2016 5:24 PM PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

END RECONSTRUCTION
STA 328+00

328 + 00

327 + 00

326 + 35 DWY LT

326 + 00 DWY LT

325 + 00

326 + 35 DWY RT

326 + 00

325 + 00

EXISTING CONCRETE PAVEMENT (TYP)

9

9

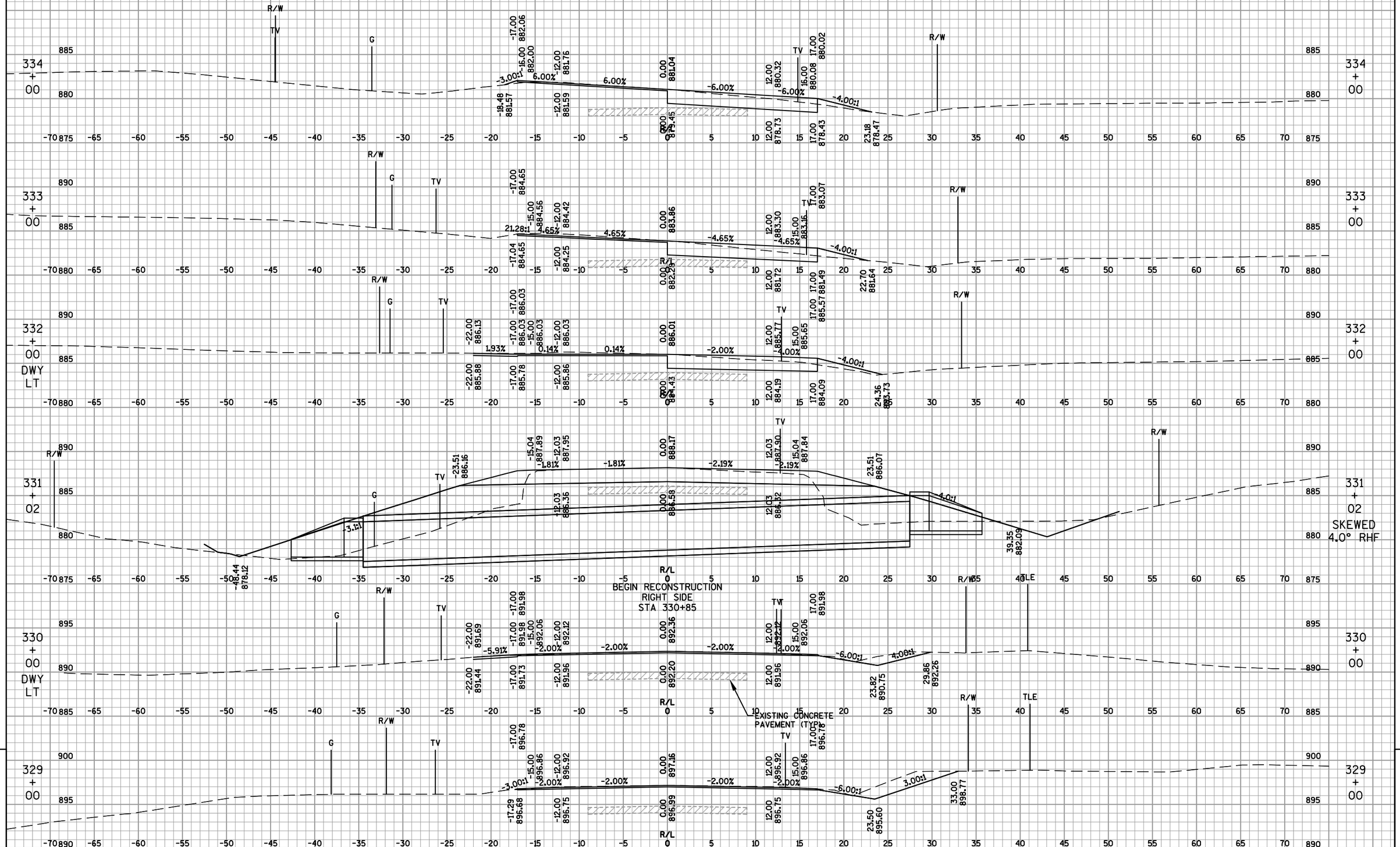
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 309	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090251_xs

PLOT DATE : 12/1/2016 5:24 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 310 E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090252_xs

PLOT DATE : 9/1/2017 11:37 AM

PLOT BY : OMNNI ASSOCIATES, INC - JAIRO MAZARIEGOS

WISDOT/CADDS SHEET 49

9

339 + 00

338 + 00

337 + 00

336 + 00

335 + 00

REINHARDT RD

334 + 30

BEGIN RECONSTRUCTION
RIGHT SIDE
STA 338+00

EXISTING CONCRETE PAVEMENT (TYP)

339 + 00 DWY RT

9

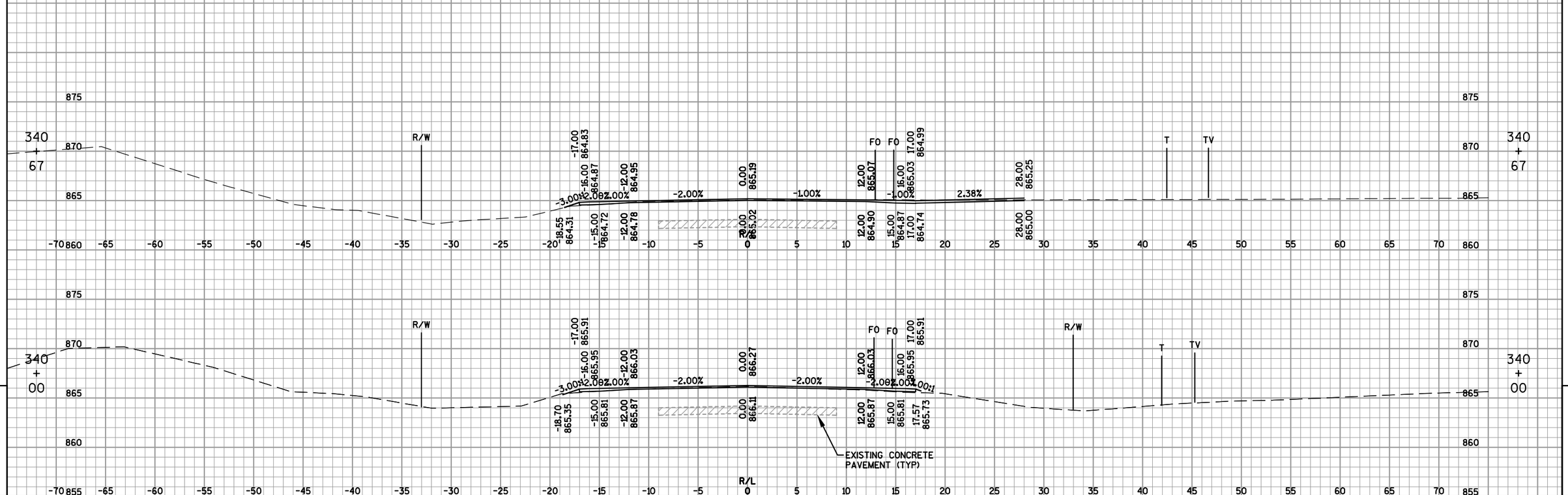
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090253_xs

PLOT DATE : 12/1/2016 5:26 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

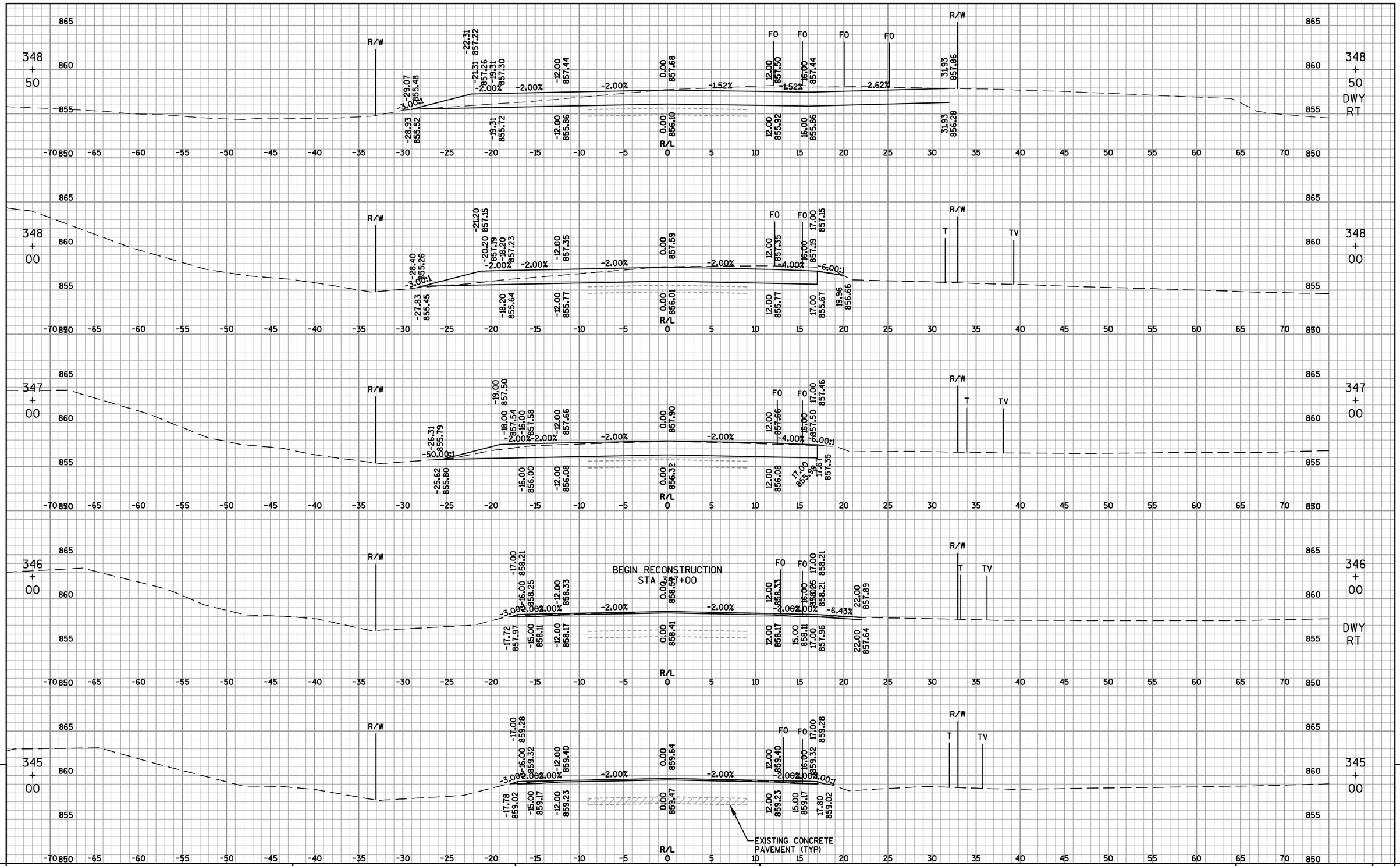
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 312	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090254_xs

PLOT DATE : 12/1/2016 5:27 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



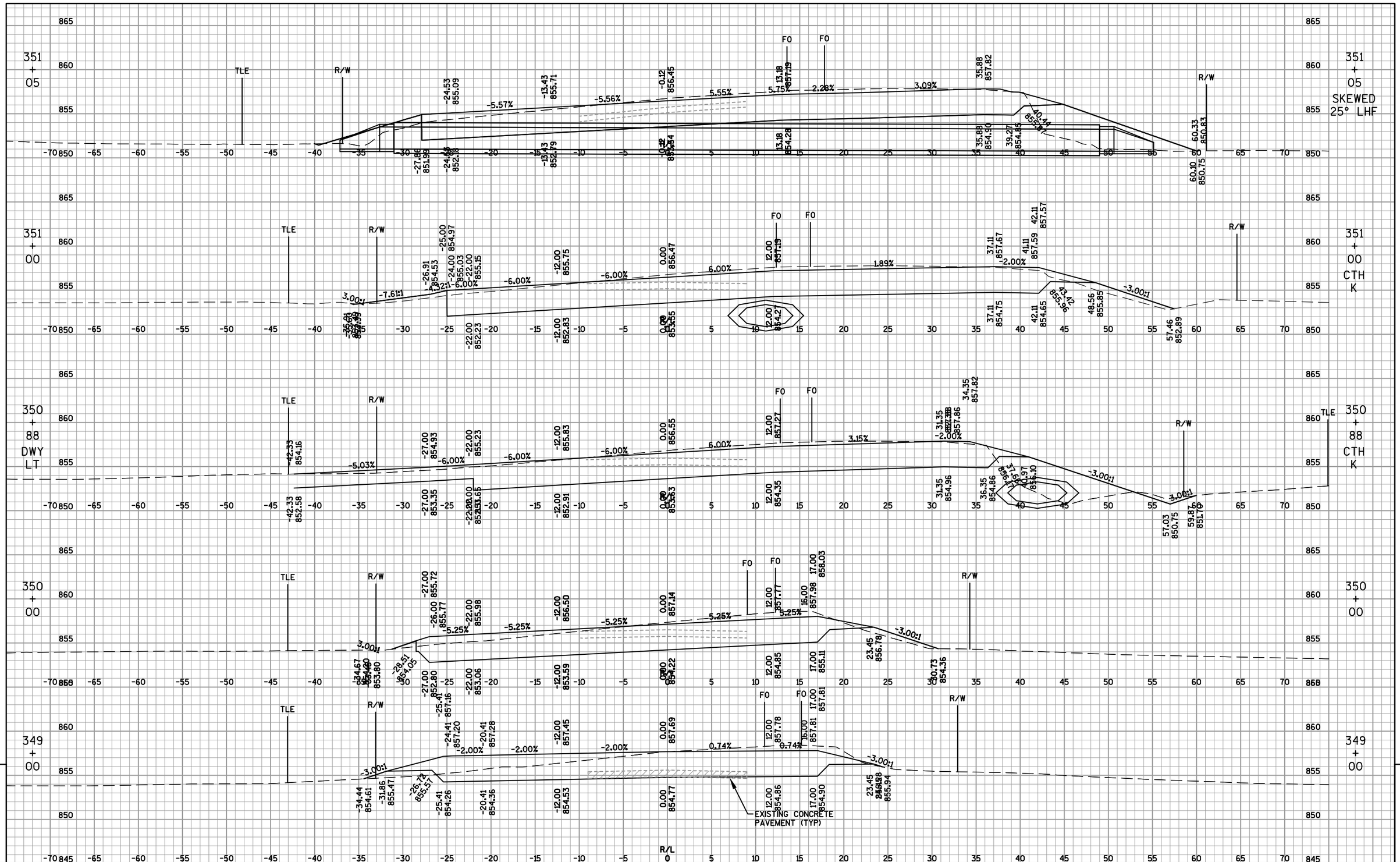
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090258_xs

PLOT DATE : 12/1/2016 5:27 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



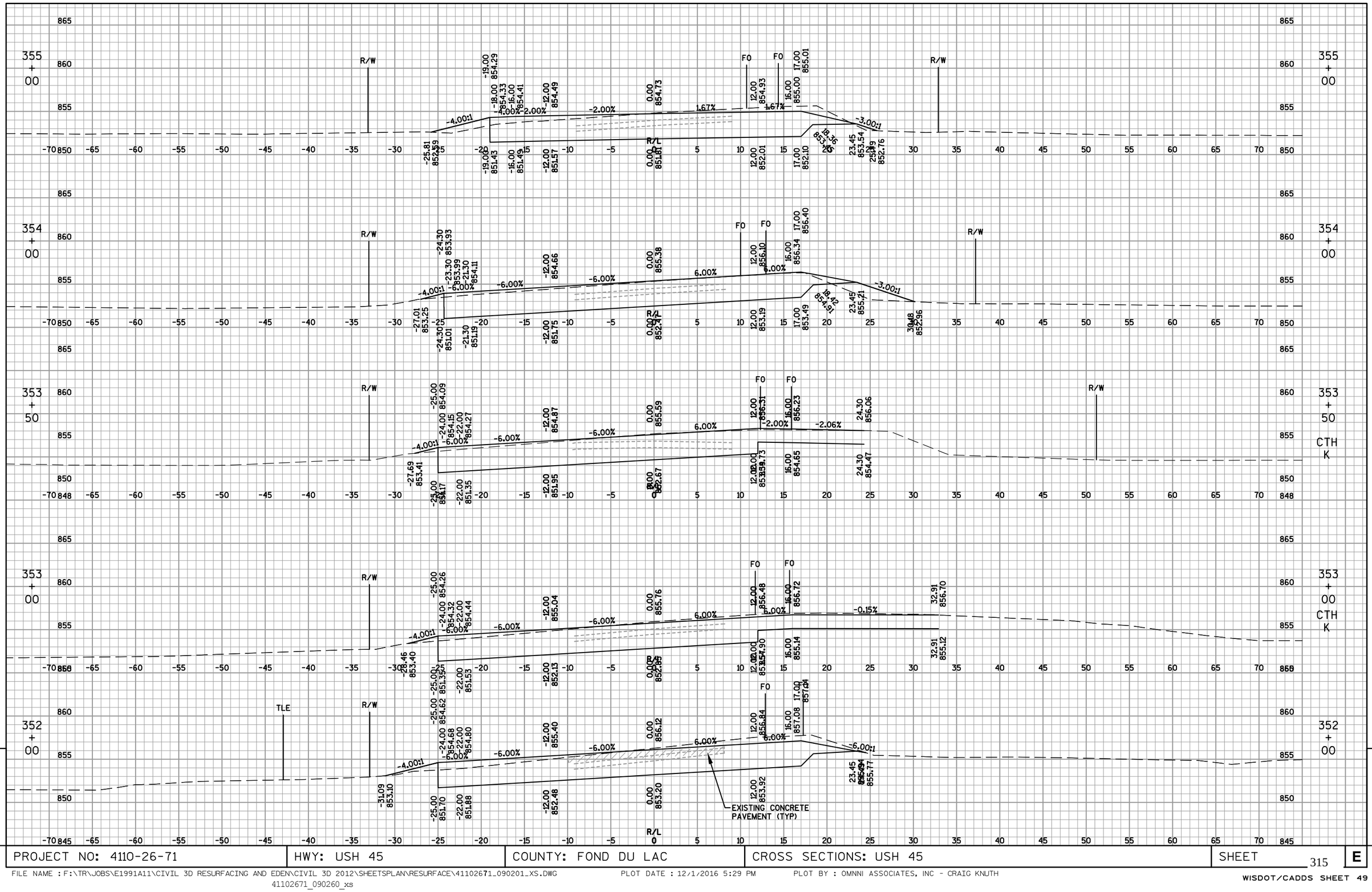
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
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PLOT DATE : 12/1/2016 5:28 PM

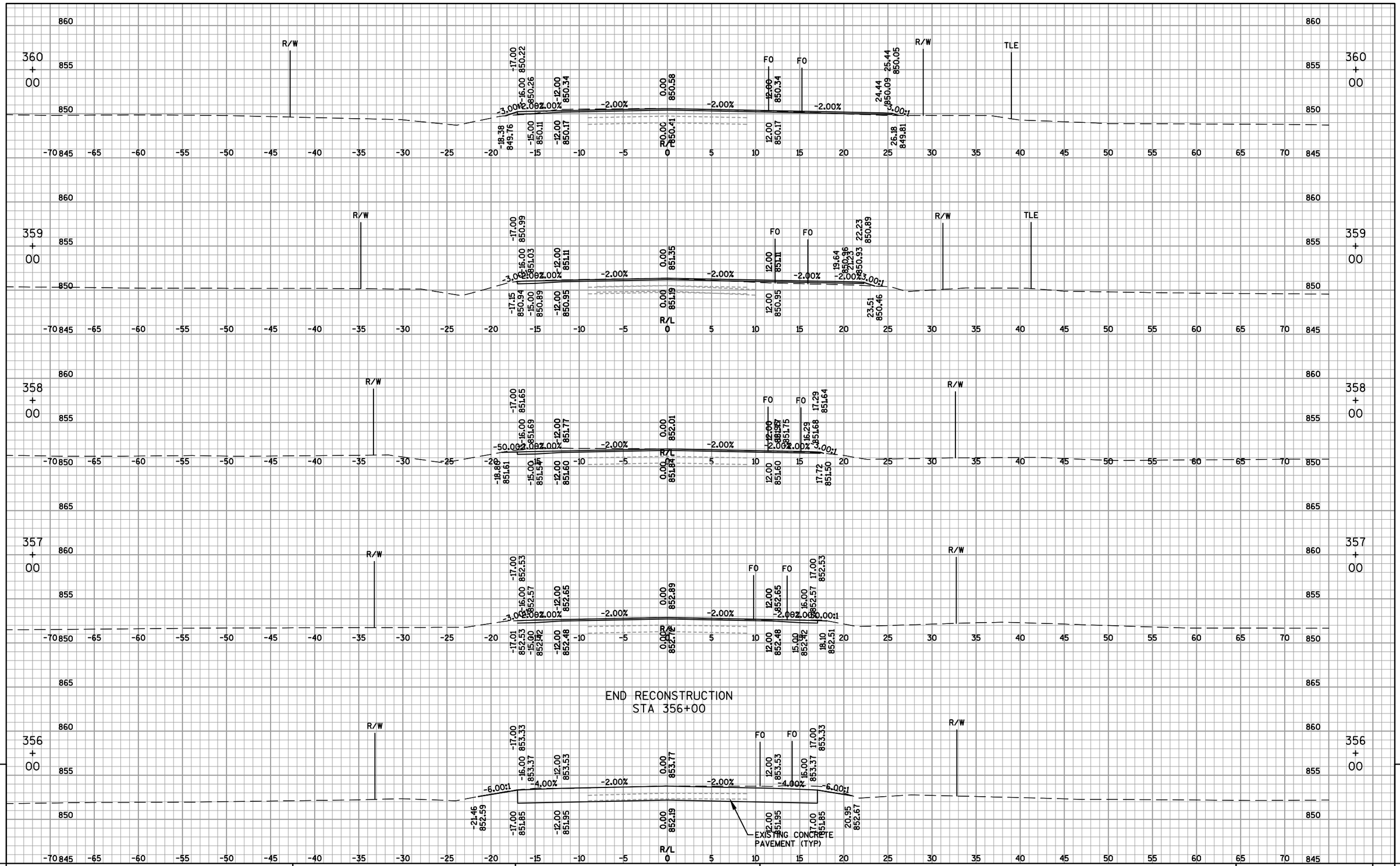
PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 315	E



9

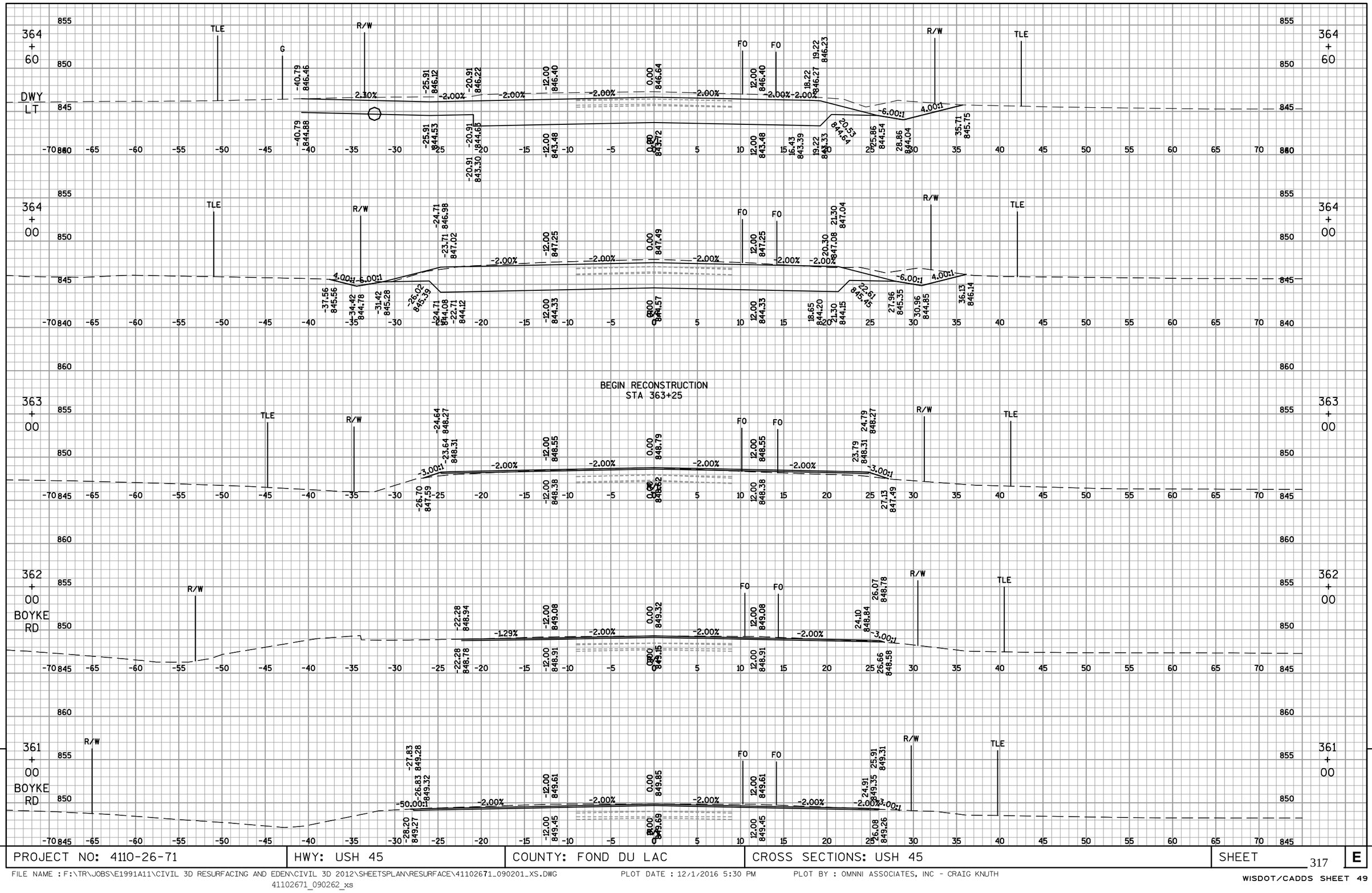
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
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PLOT DATE : 12/1/2016 5:29 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



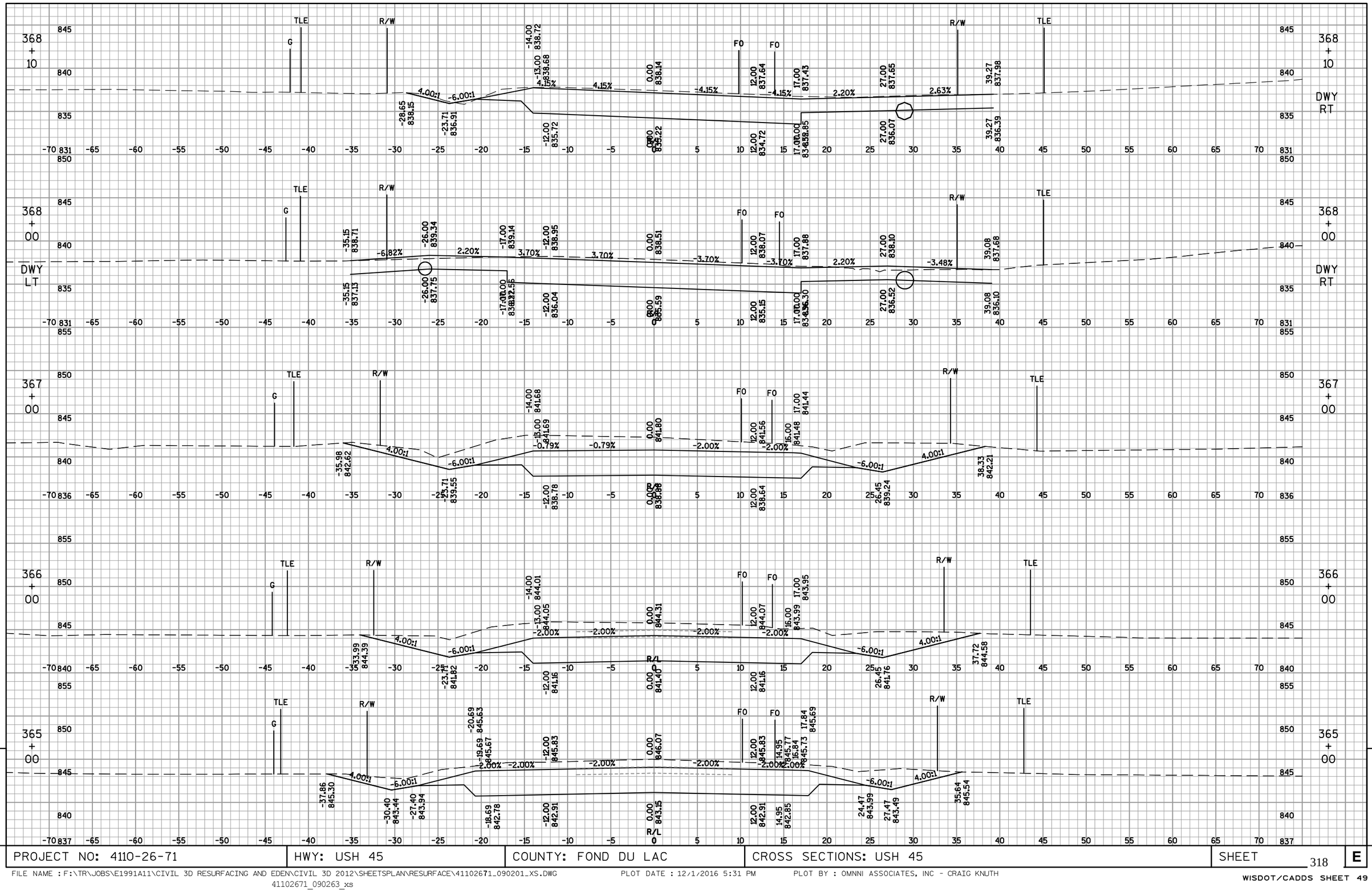
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 317 E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
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PLOT DATE : 12/1/2016 5:30 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

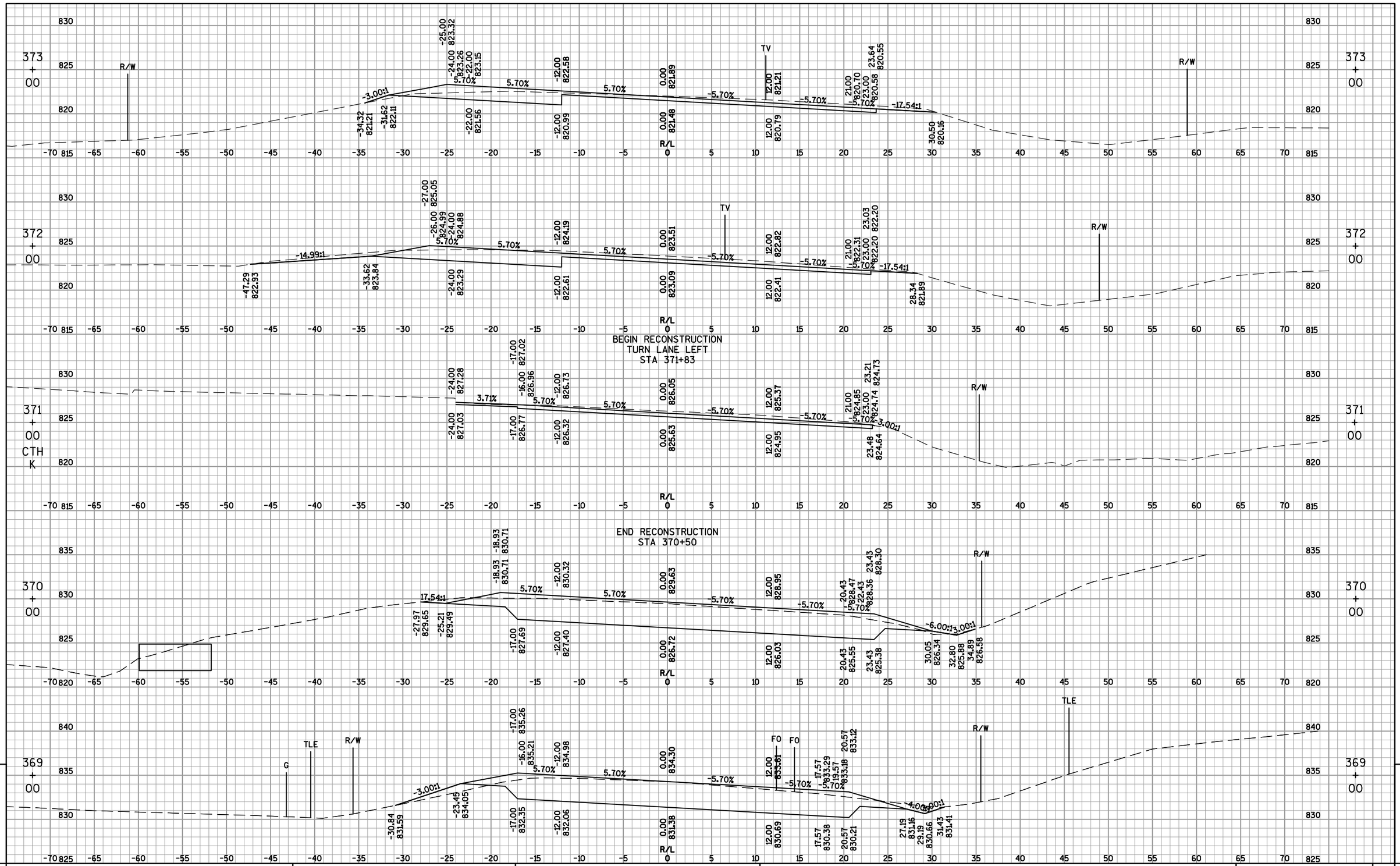


PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 318	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
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PLOT DATE : 12/1/2016 5:31 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH



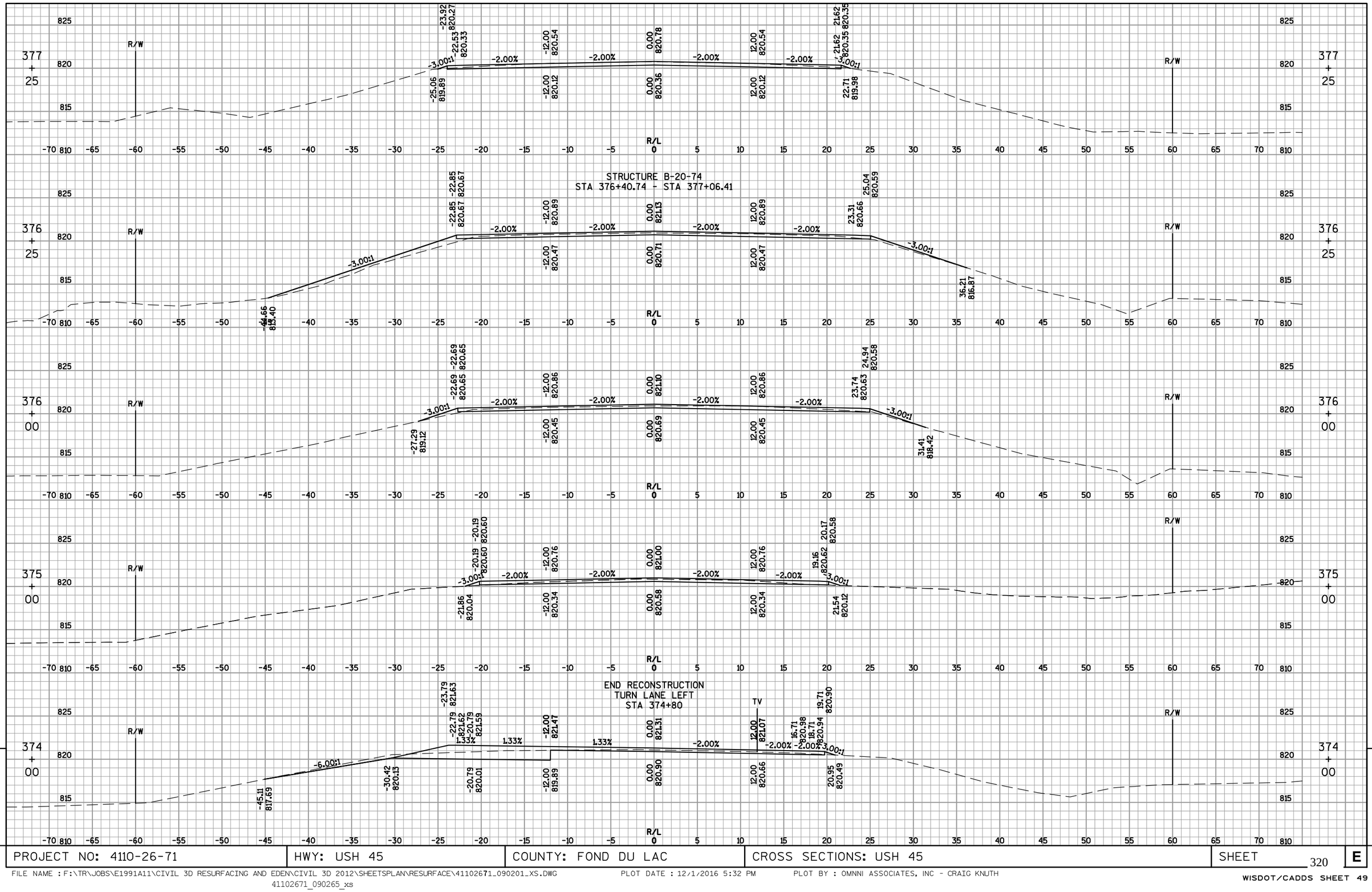
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 319	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090264_xs

PLOT DATE : 12/1/2016 5:32 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 320	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090265_xs

PLOT DATE : 12/1/2016 5:32 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

381 + 50

VALLEY CREEK RD

-28.83 826.64 | -23.83 826.46 | -12.00 826.51 | 0.00 826.57 | 12.00 826.33 | 18.24 826.21 | 22.00 826.06

3.67% | -0.50% | -0.50% | -2.00% | -2.00% | 3:00:1

-28.83 826.22 | -23.83 826.04 | -12.00 826.09 | 0.00 826.16 | 12.00 825.92 | 22.09 826.03

R/W | R/L

381 + 00

-23.72 824.48 | -12.00 824.71 | 0.00 824.95 | 12.00 824.71 | 18.20 824.59 | 22.00 824.44

-7.38% | -2.00% | -2.00% | -2.00% | -2.00% | 3:00:1

-24.66 823.99 | -12.00 824.30 | 0.00 824.54 | 12.00 824.30 | 22.53 824.26

-23.72 824.06

R/W | R/L

380 + 00

-18.65 822.39 | -15.00 822.53 | -12.00 822.59 | 0.00 822.83 | 12.00 822.59 | 18.12 822.47 | 22.00 822.32

3:00:1 | -2.00% | -2.00% | -2.00% | -2.00% | 3:00:1

-21.03 821.59 | -12.00 822.18 | 0.00 822.42 | 12.00 822.18 | 22.73 822.07

R/W | R/L

378 + 90 DWY LT

-36.54 819.21 | -15.00 820.93 | -12.00 820.99 | 0.00 821.23 | 12.00 820.99 | 18.03 820.87 | 22.00 820.71 | 27.32 820.02

-7.97% | -2.00% | -2.00% | -2.00% | -2.00% | -12.92%

-36.54 818.79 | -15.00 820.51 | -12.00 820.57 | 0.00 820.81 | 12.00 820.57 | 22.00 820.46 | 27.32 819.77

R/W | R/L

378 + 90 DWY RT

R/W

378 + 00

-23.19 820.15 | -12.00 820.40 | 0.00 820.64 | 12.00 820.40 | 22.22 820.20

-21.76 820.21 | 22.22 820.20

3:00:1 | -2.00% | -2.00% | -2.00% | -2.00% | 3:00:1

-25.93 819.24 | -12.00 819.99 | 0.00 820.23 | 12.00 819.99 | 23.23 819.86

R/W | R/L

9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 321	E

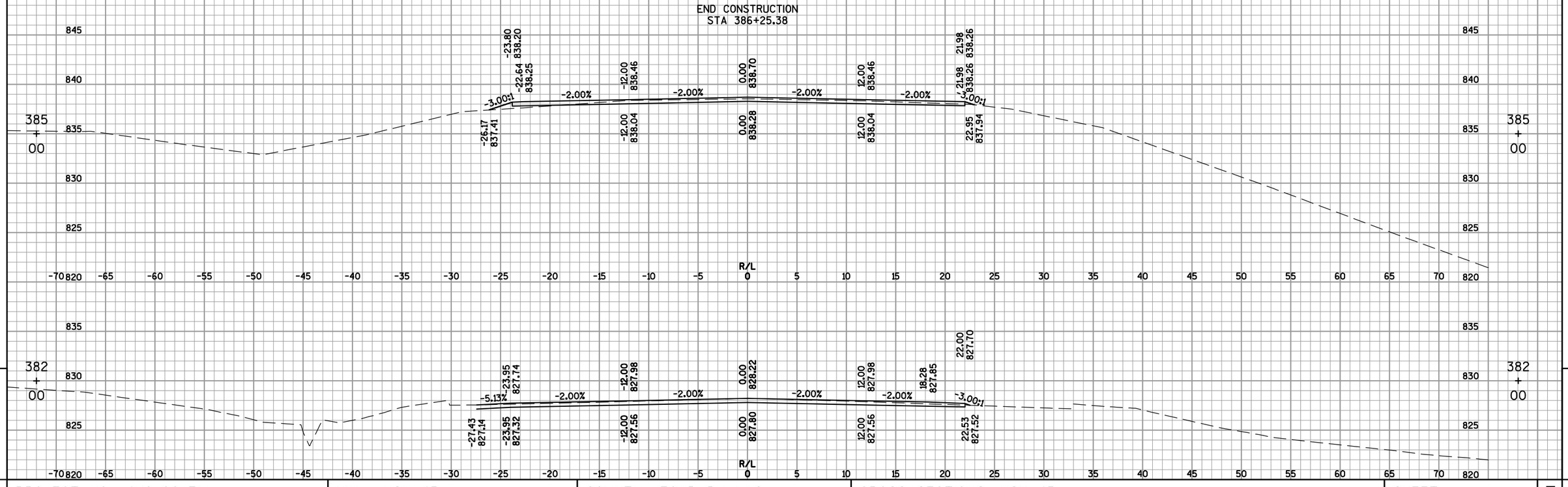
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41102671_090266_xs

PLOT DATE : 12/1/2016 5:33 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 386+25.38



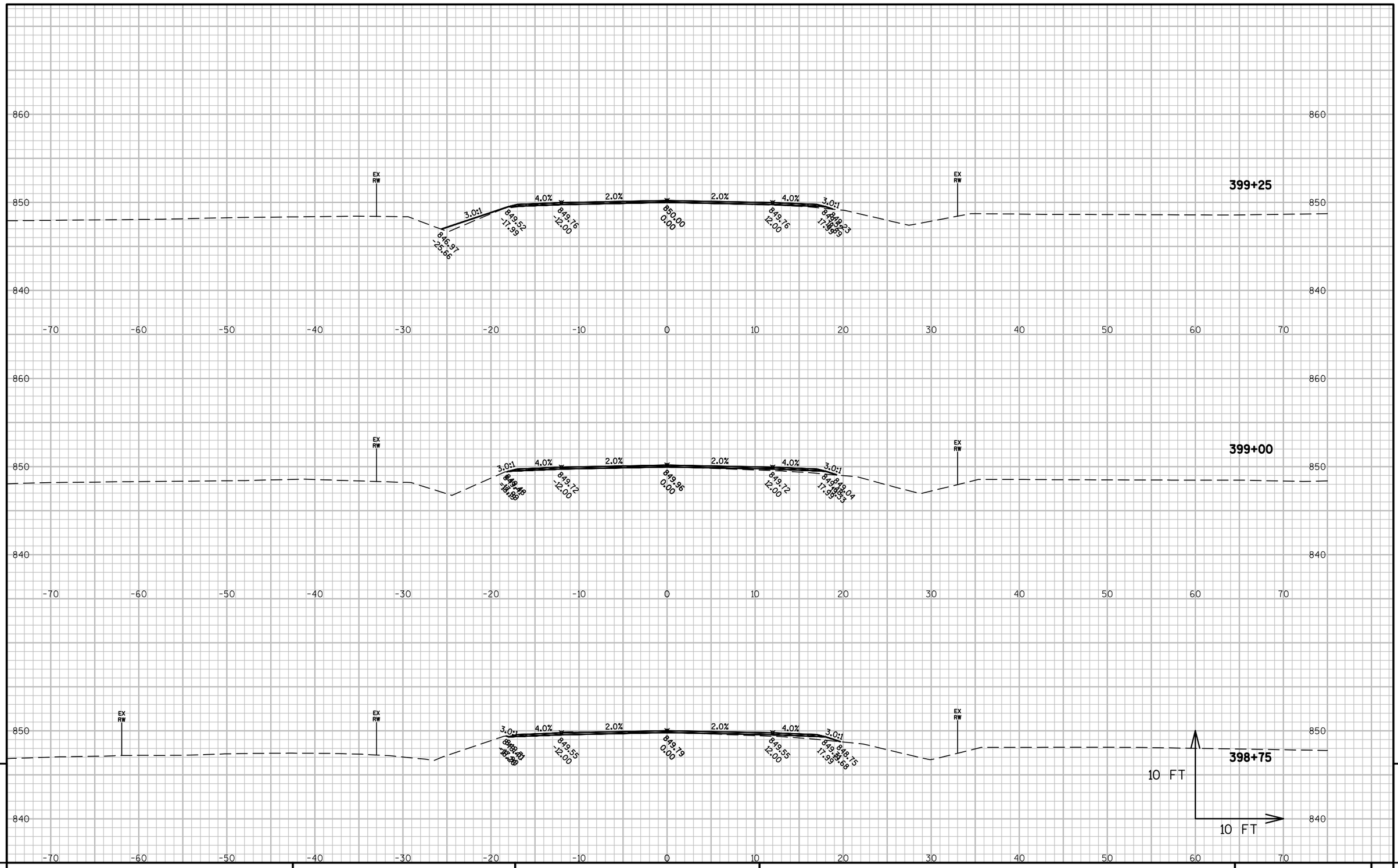
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090201_XS.DWG
41102671_090267_xs

PLOT DATE : 12/1/2016 5:34 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49



9

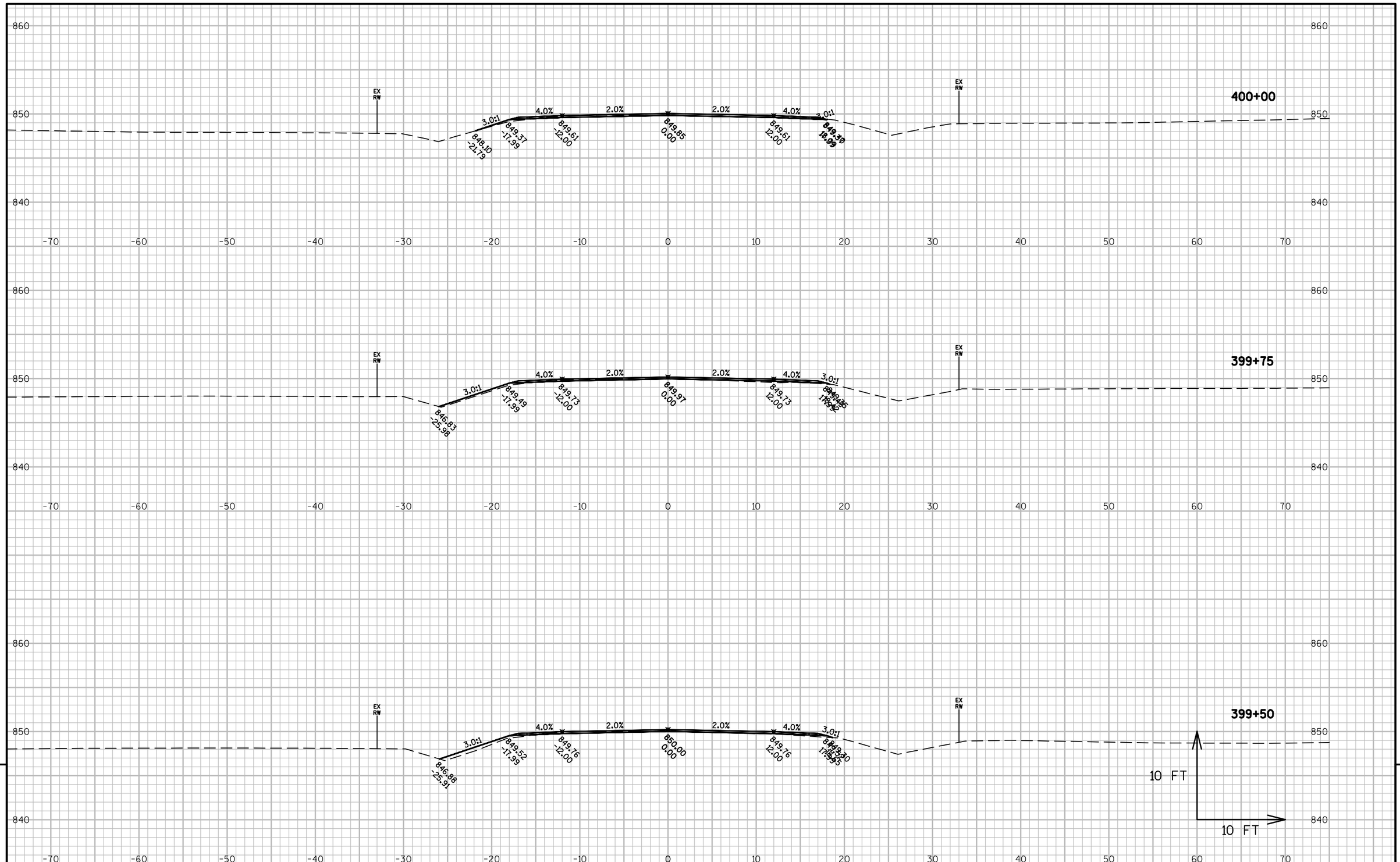
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9

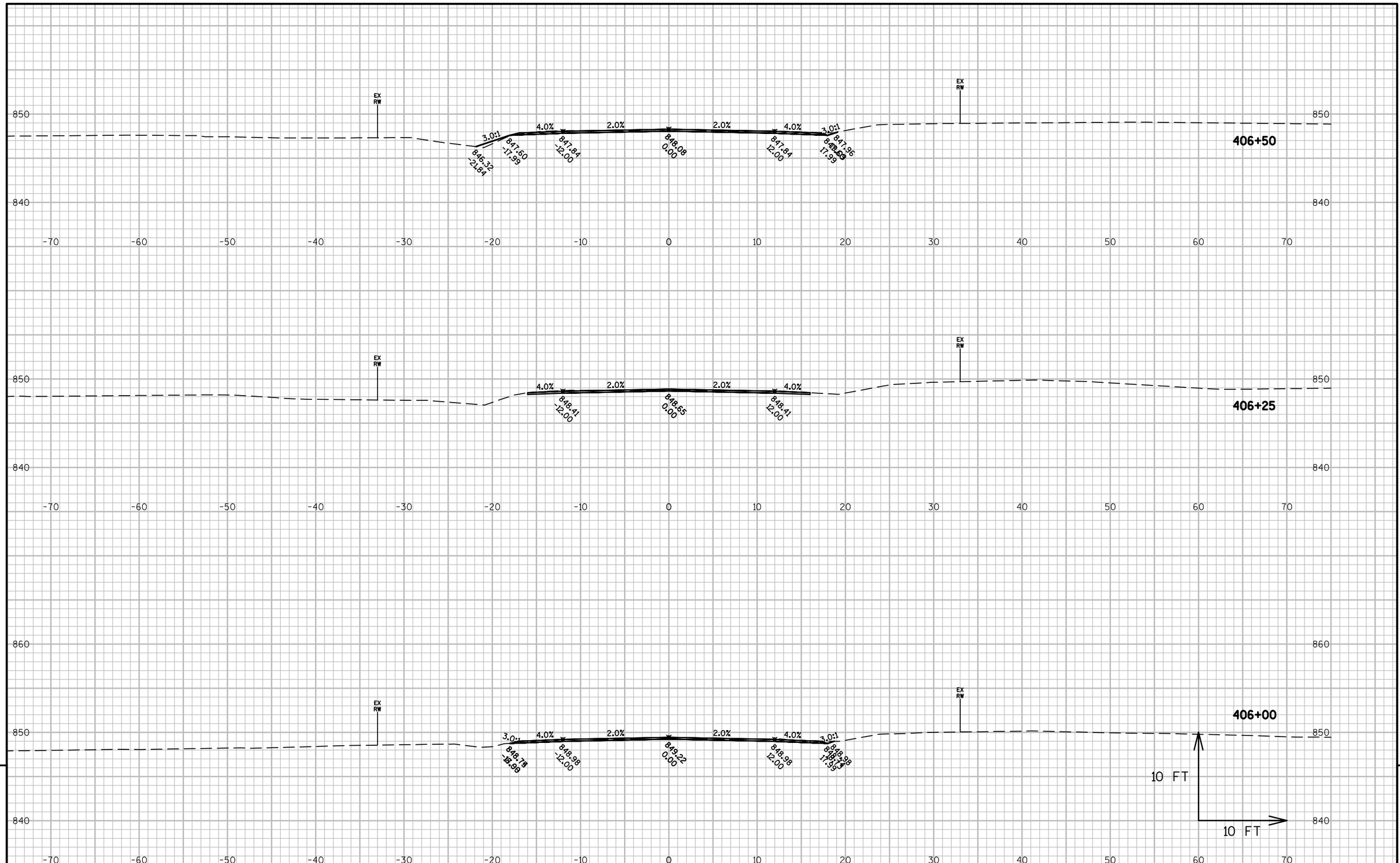
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LAYOUT NAME - 090201_XS

PLOT DATE : 8/21/2017 3:04 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 324	E

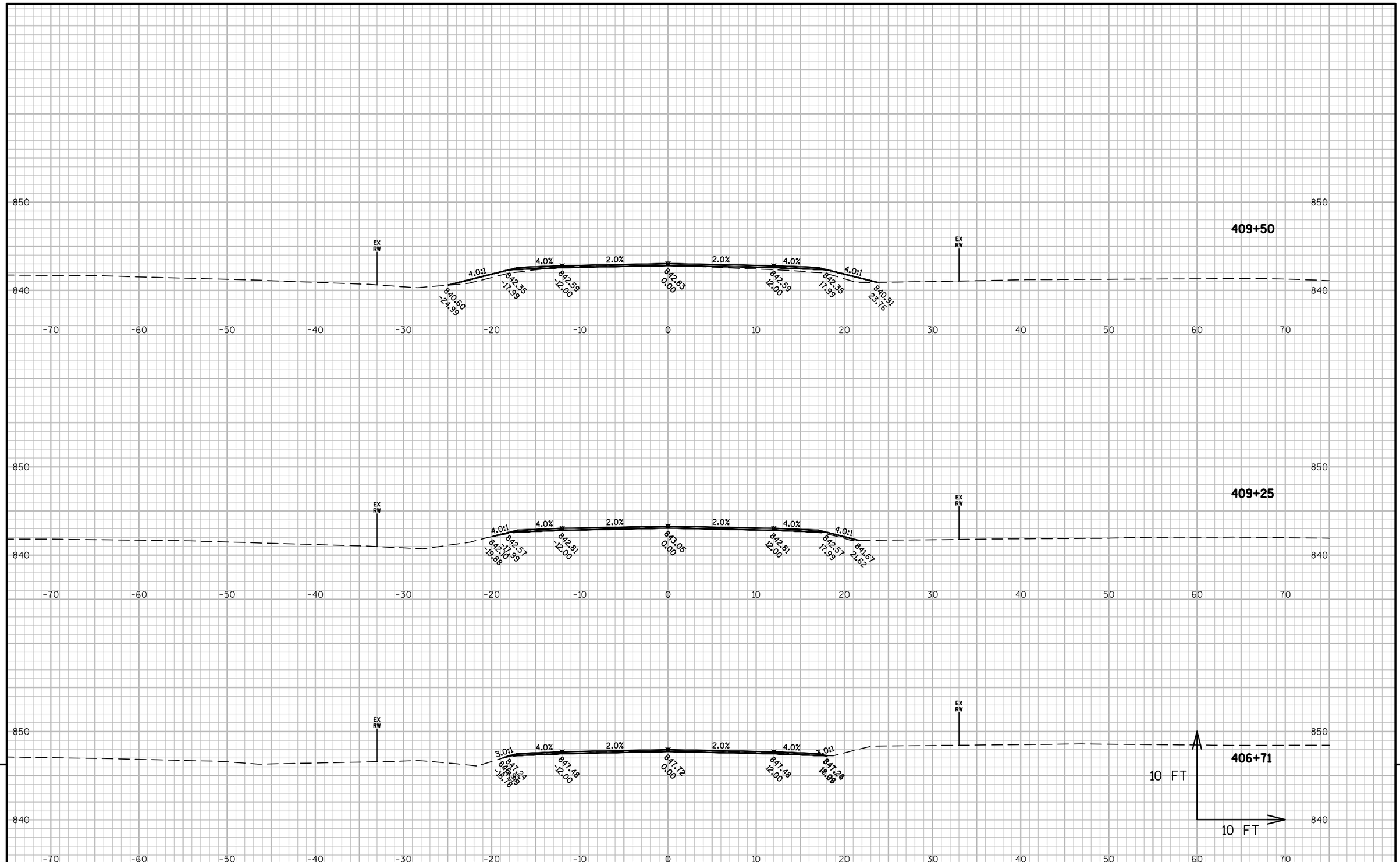


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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 325	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090203_XS

PLOT DATE : 8/21/2017 3:05 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



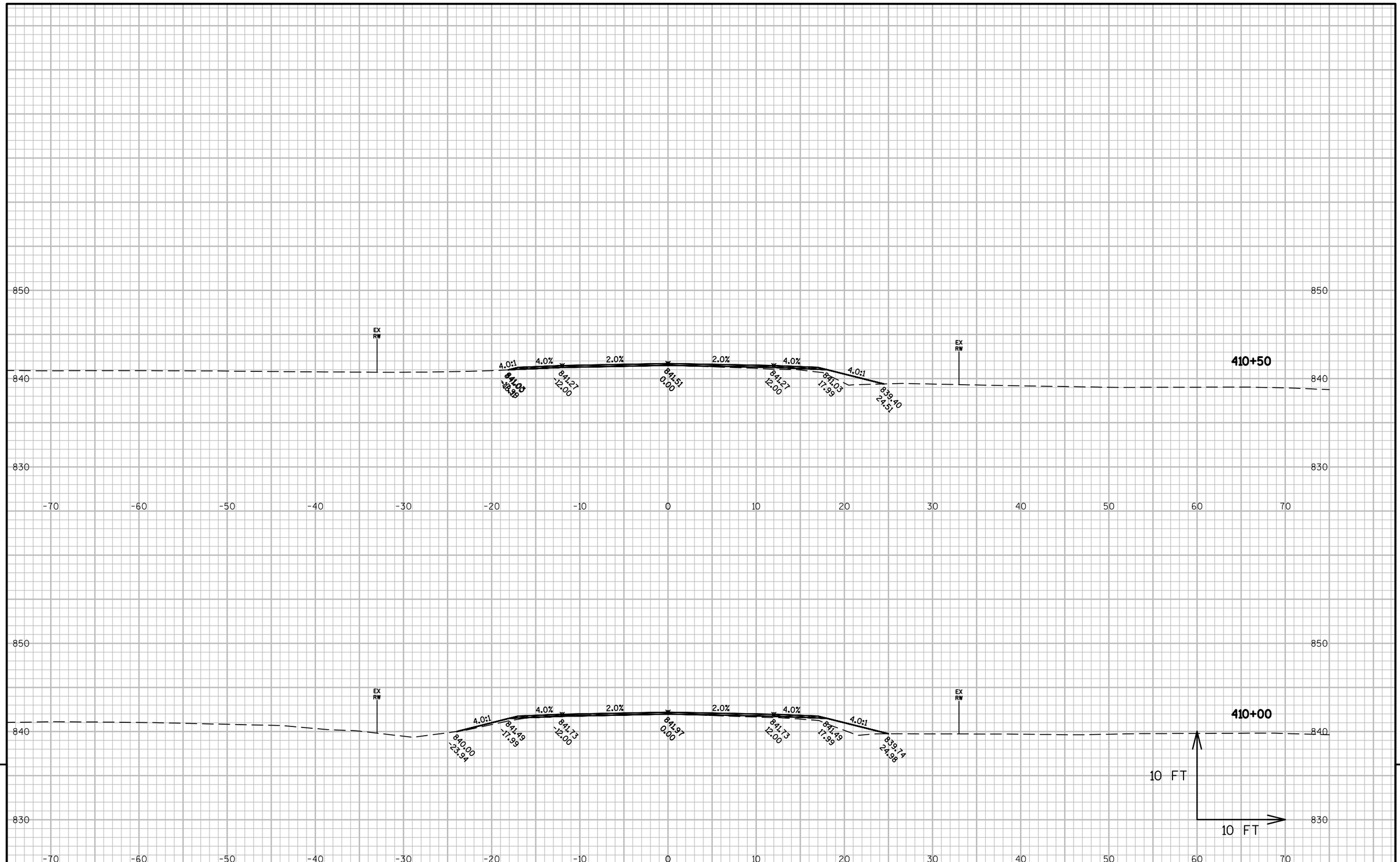
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 326	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090204_XS

PLOT DATE : 8/21/2017 3:06 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



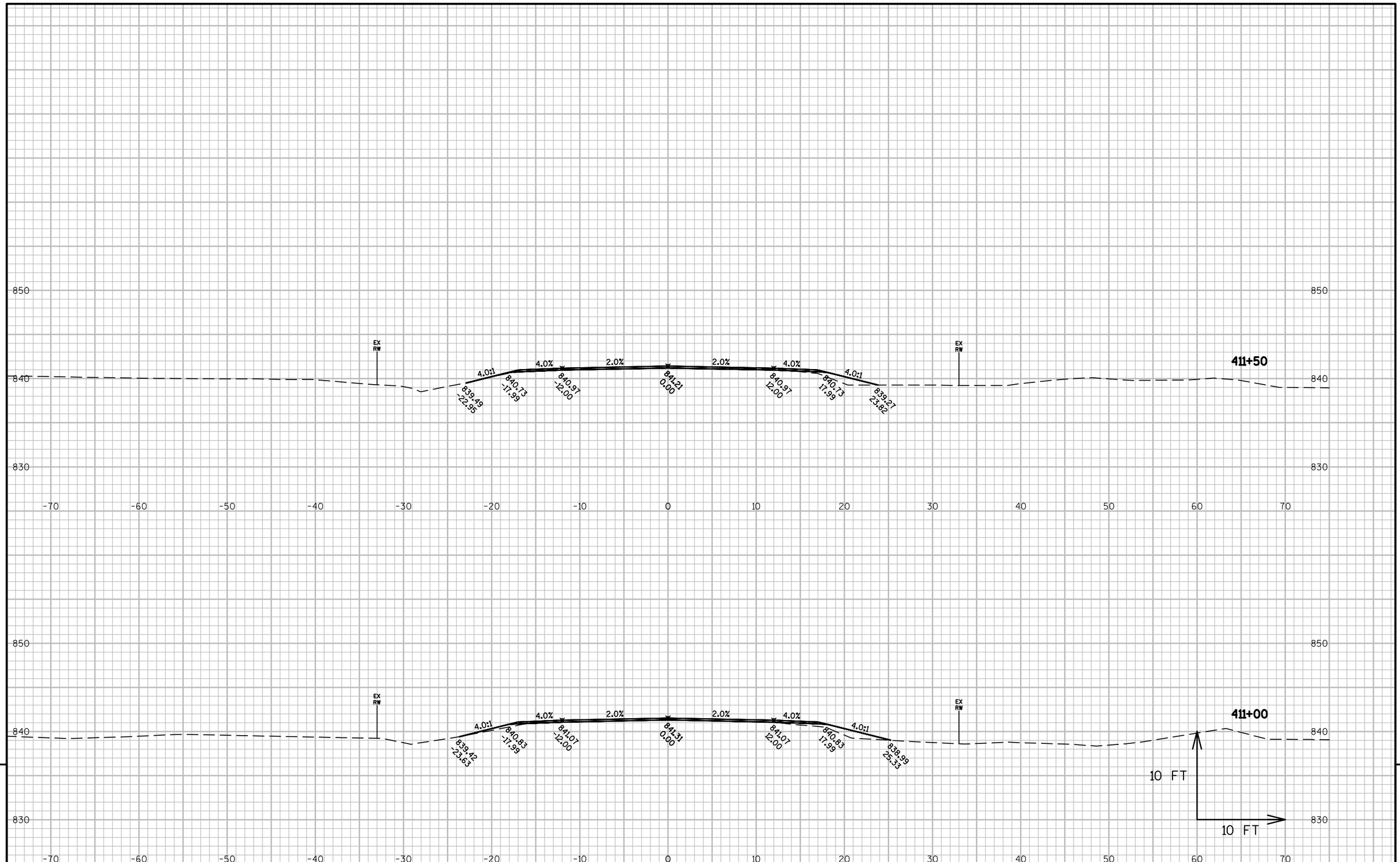
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 327	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090205_XS

PLOT DATE : 8/21/2017 3:06 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



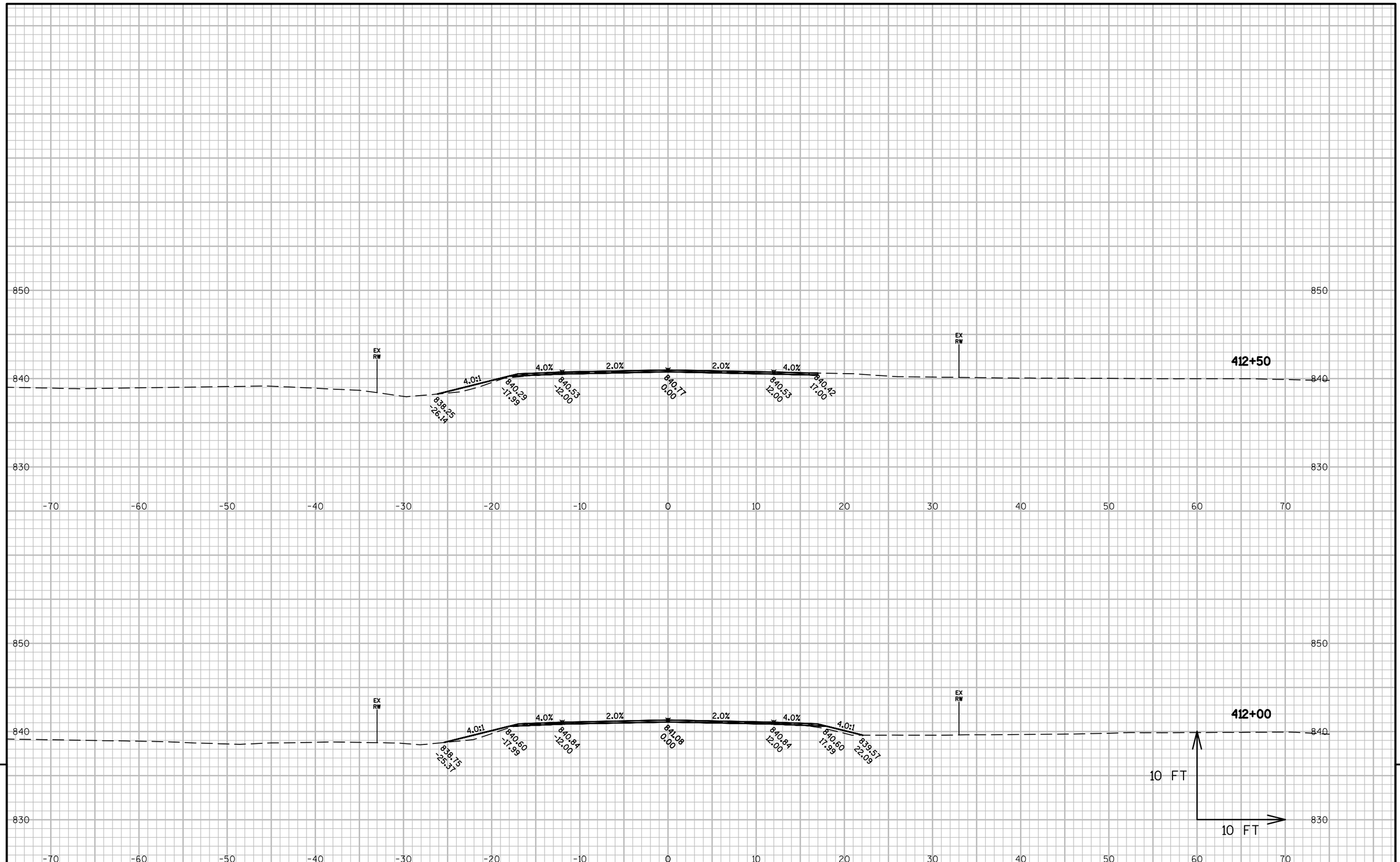
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 328	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090206_XS

PLOT DATE : 8/21/2017 3:07 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

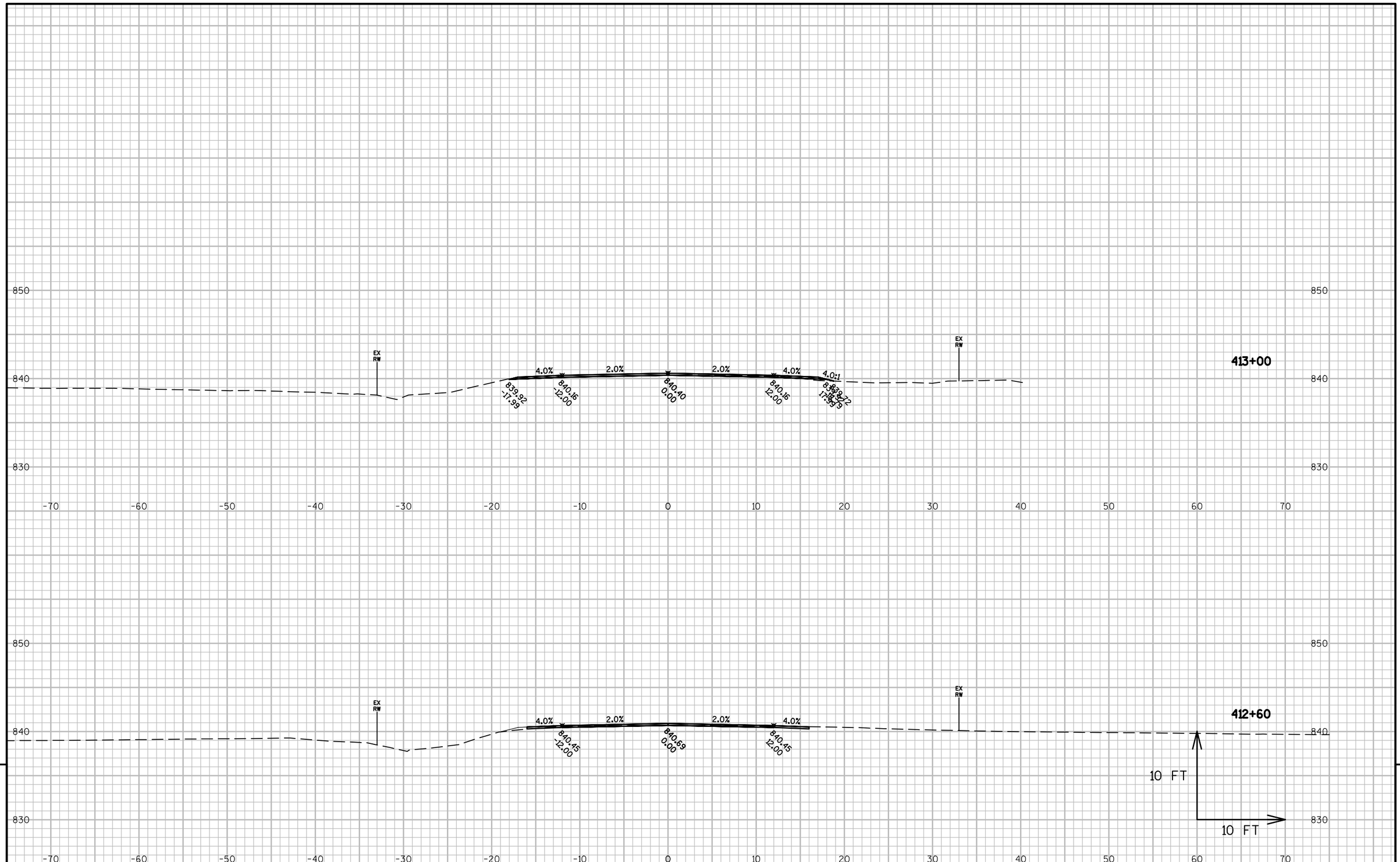
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 329	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090207_XS

PLOT DATE : 8/21/2017 3:07 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



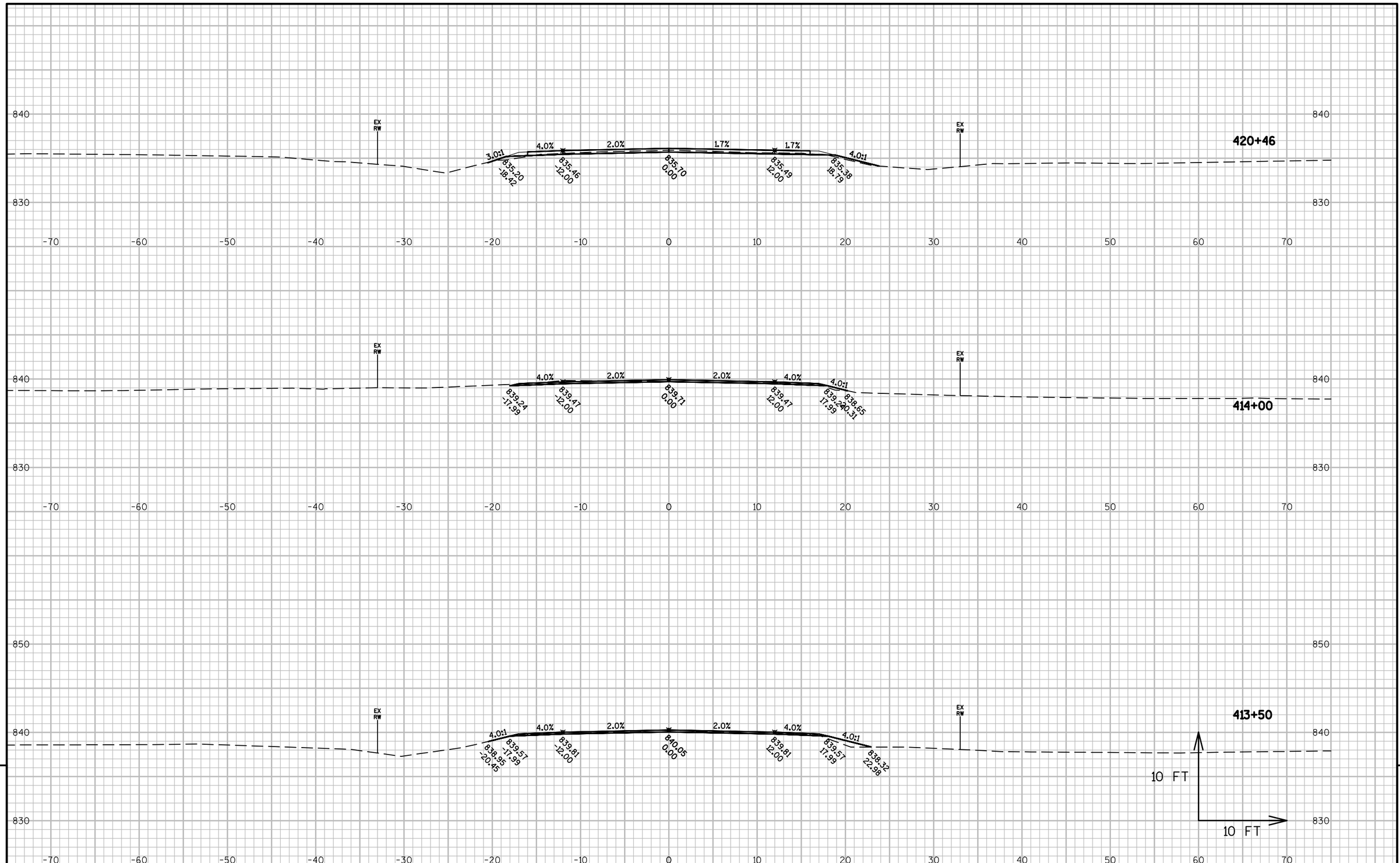
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 330	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090208_XS

PLOT DATE : 8/21/2017 3:07 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



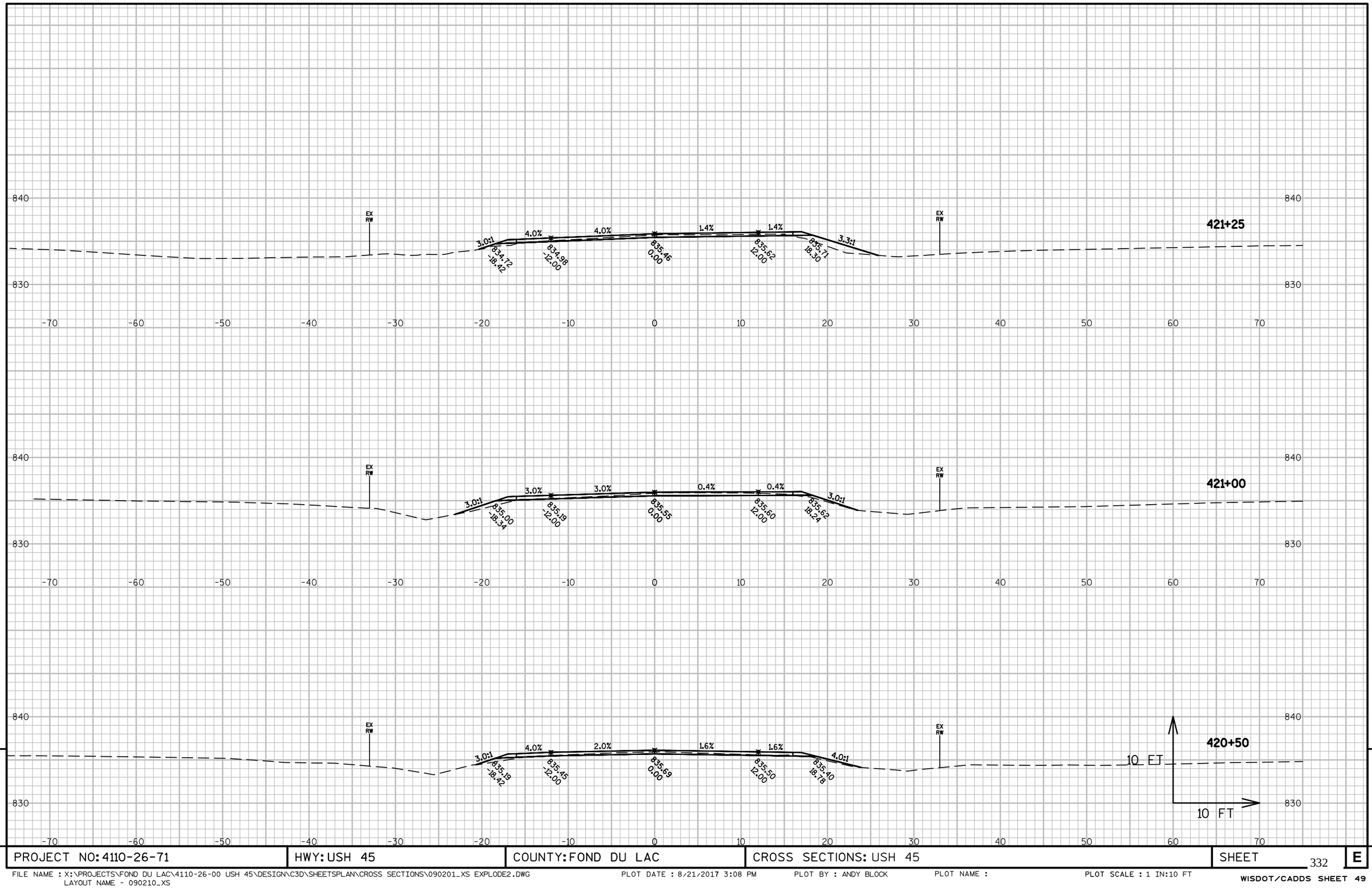
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 331	E

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LAYOUT NAME - 090209_XS

PLOT DATE : 8/21/2017 3:08 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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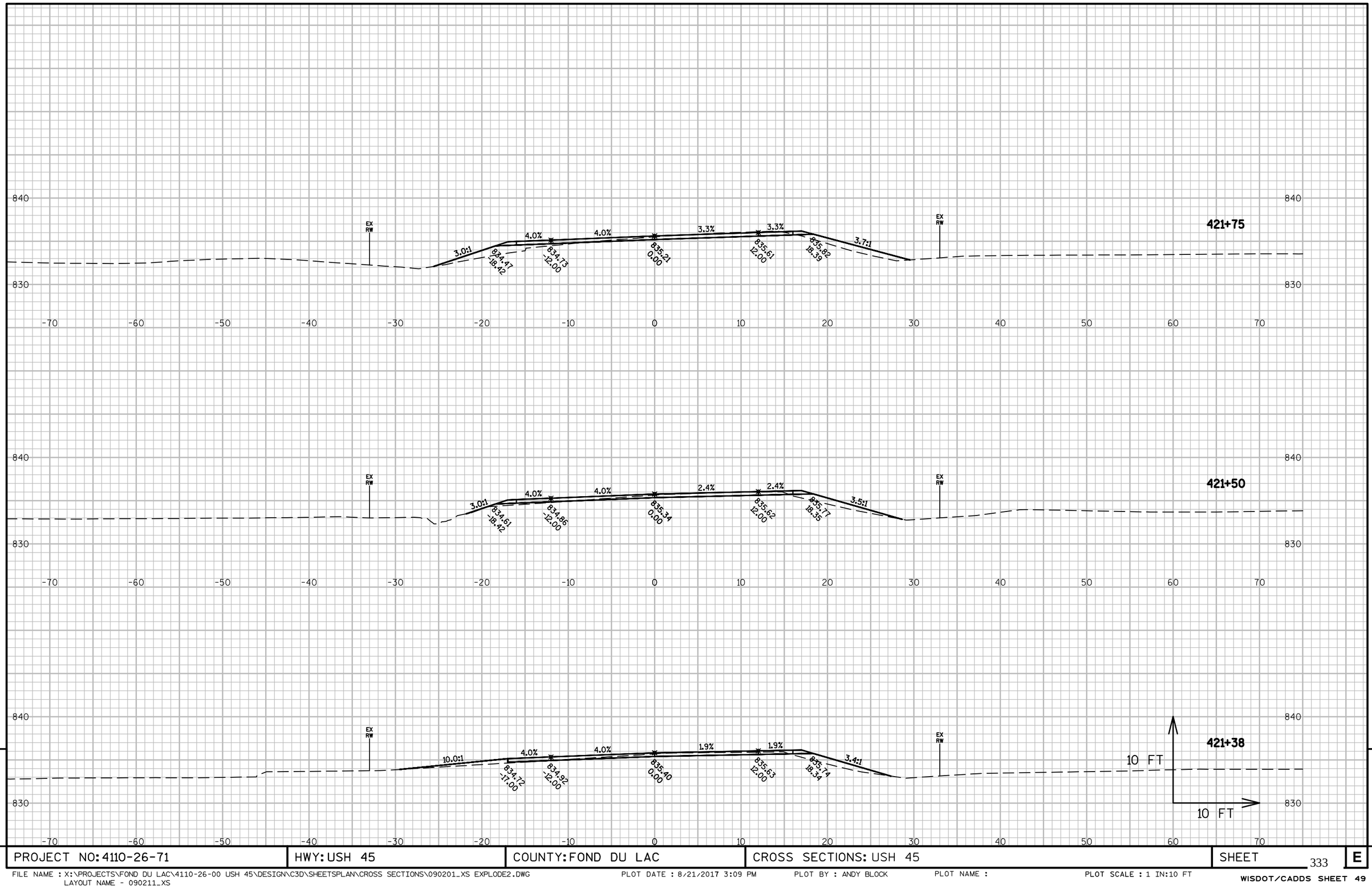
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 332	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090210_XS

PLOT DATE : 8/21/2017 3:08 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



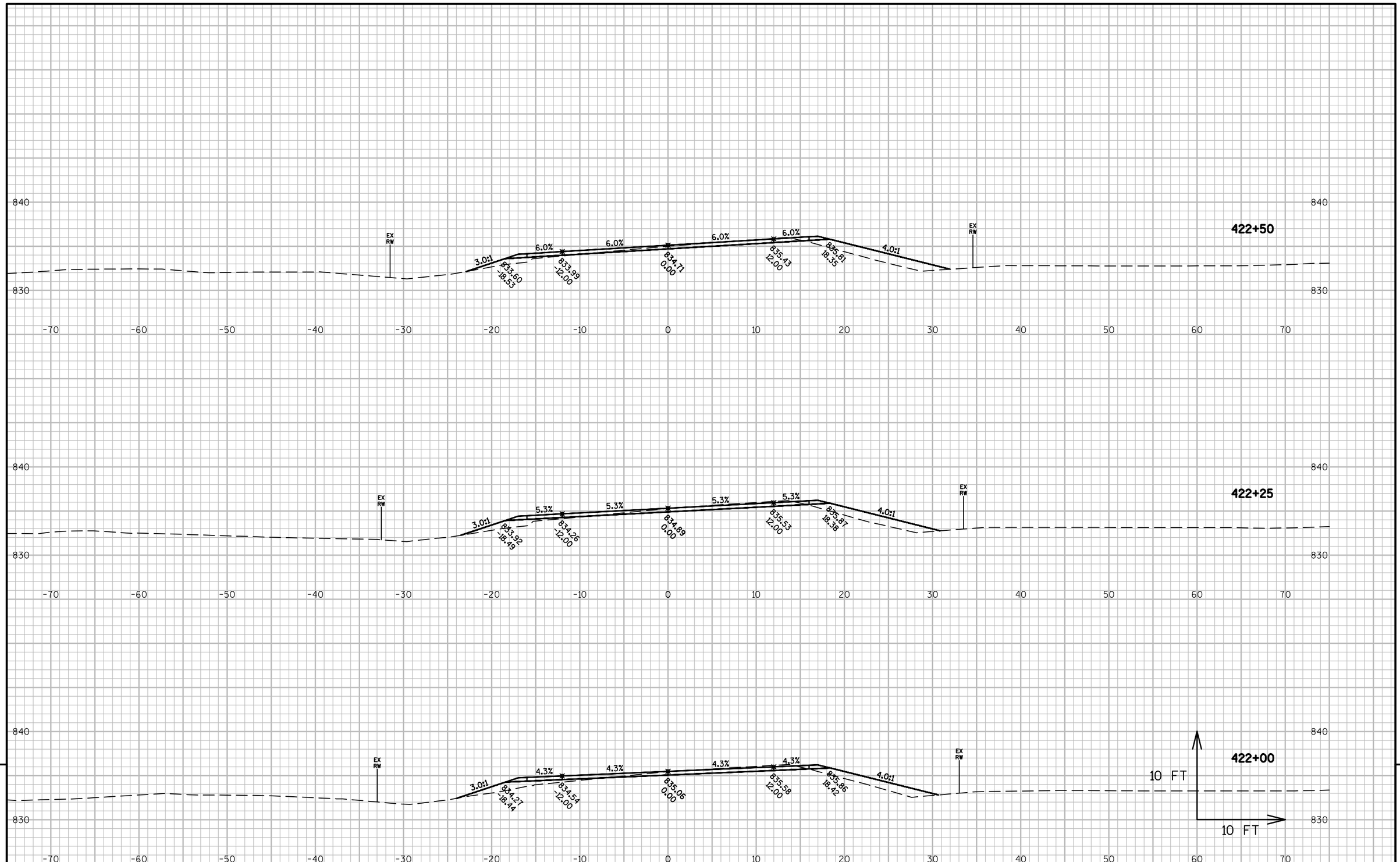
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 333	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090211_XS

PLOT DATE : 8/21/2017 3:09 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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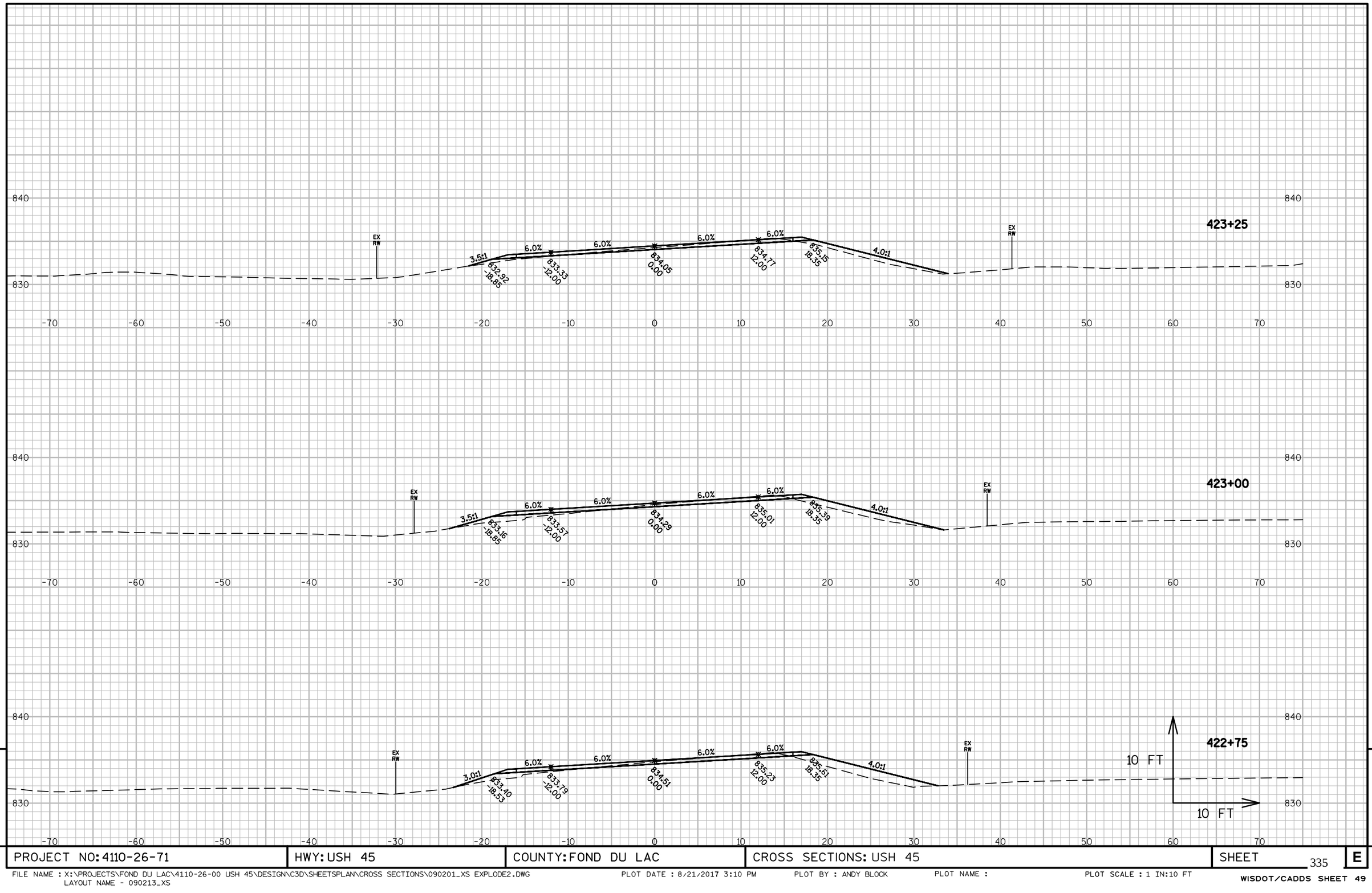
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LAYOUT NAME - 090212_XS

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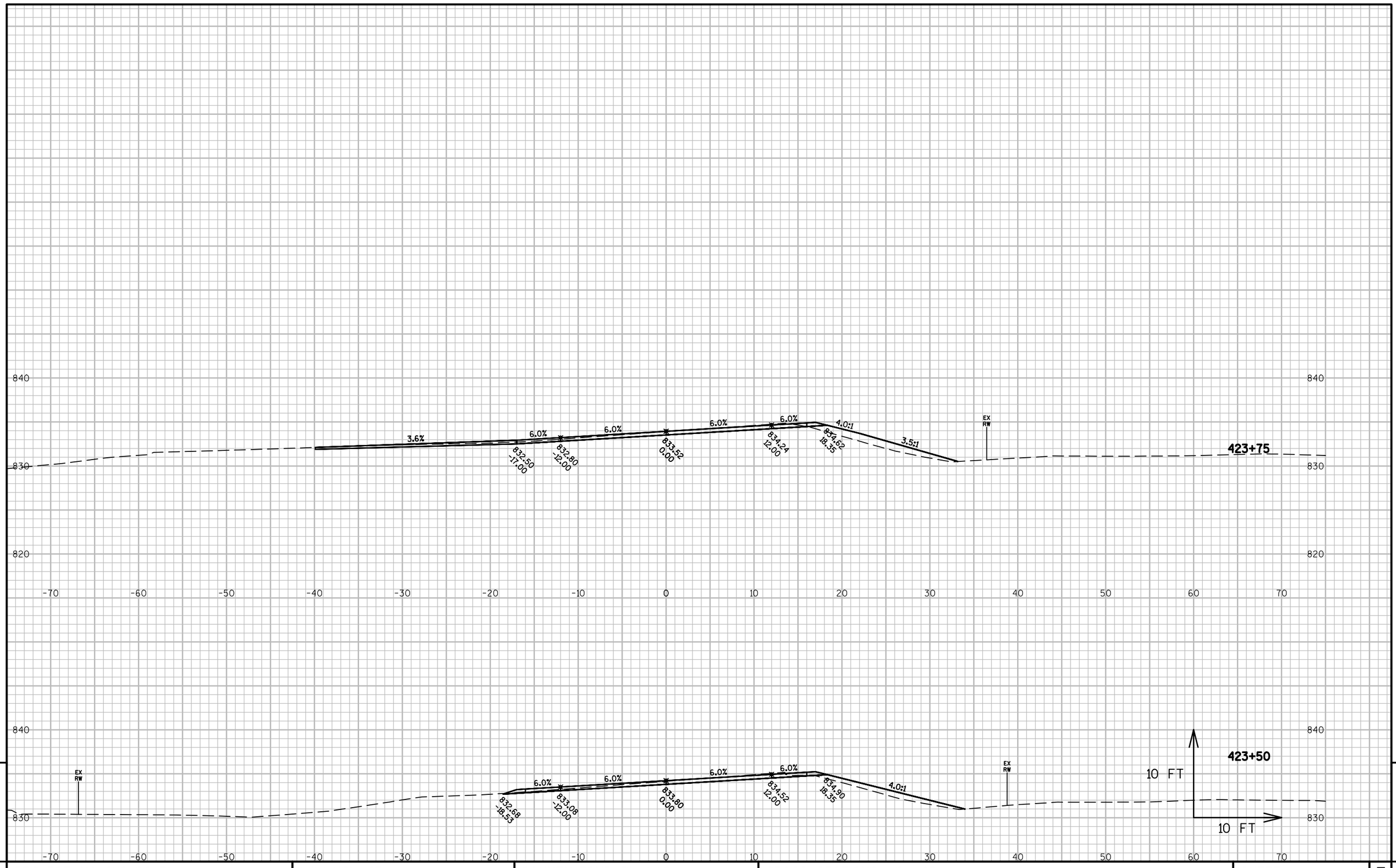
WISDOT/CADDS SHEET 49



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 335	E



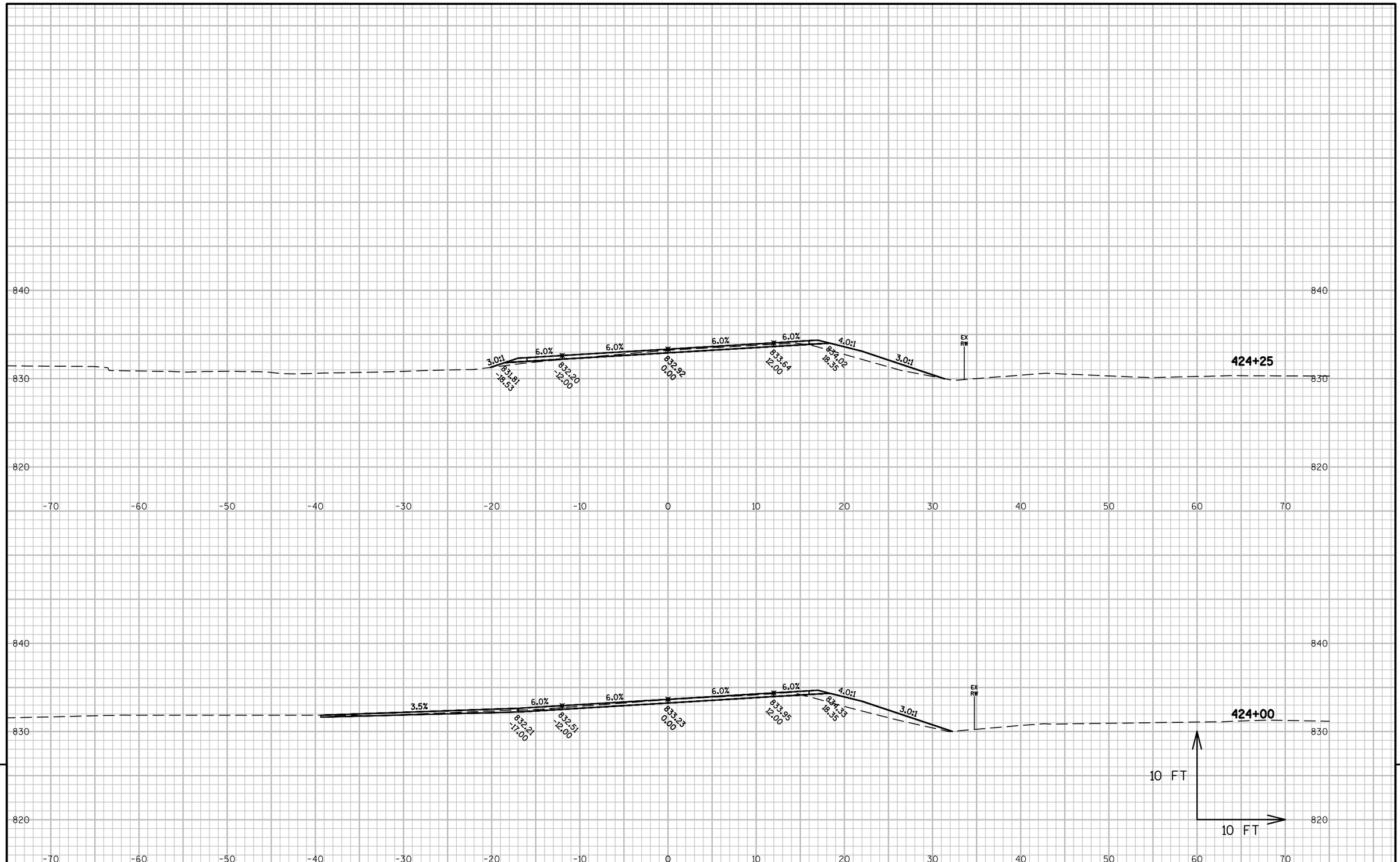
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 336	E

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LAYOUT NAME - 090214_XS

PLOT DATE : 8/21/2017 3:10 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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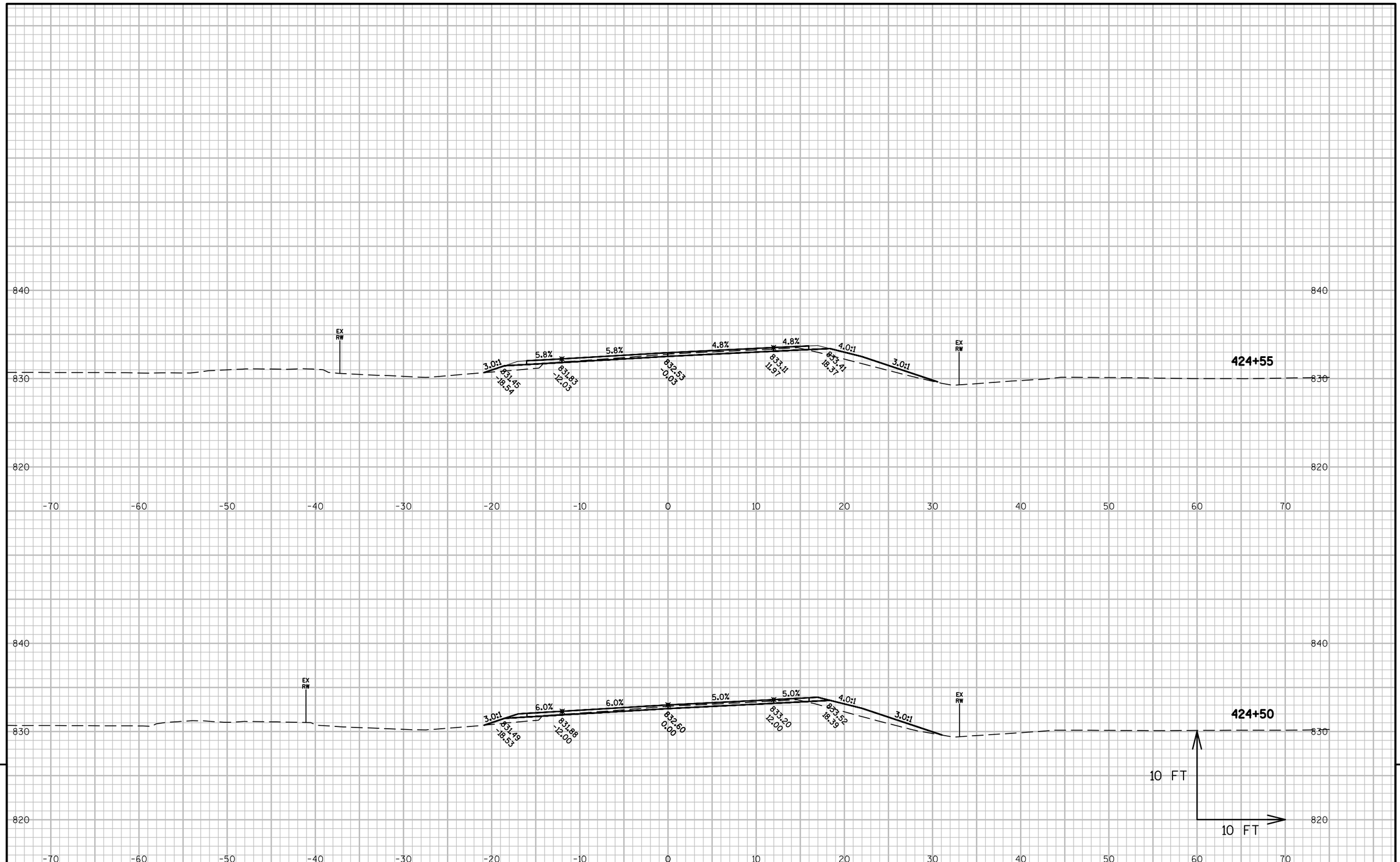
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 337	E

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LAYOUT NAME - 090215_XS

PLOT DATE : 8/21/2017 3:11 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

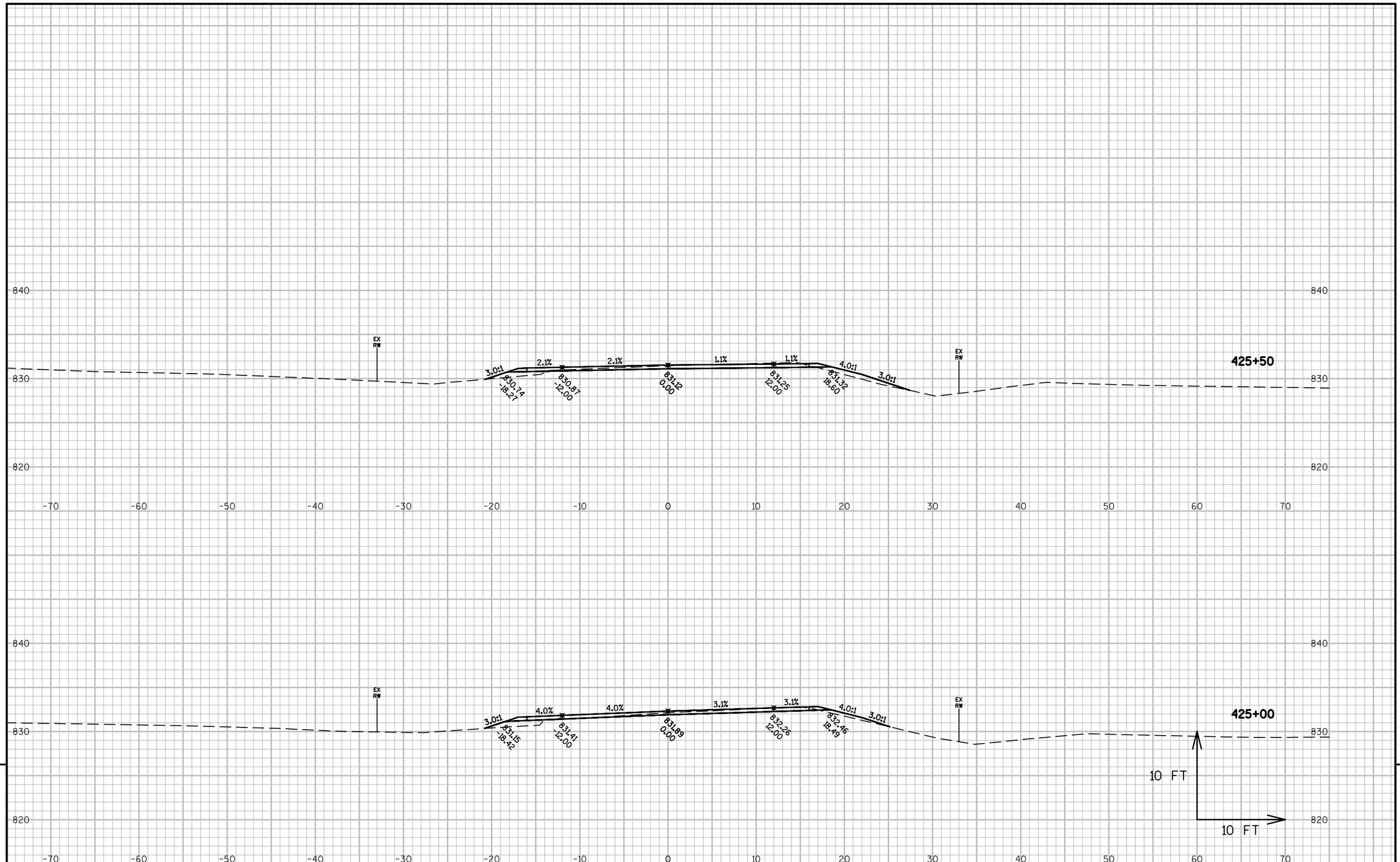
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 338	E

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LAYOUT NAME - 090216_XS

PLOT DATE : 8/21/2017 3:11 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



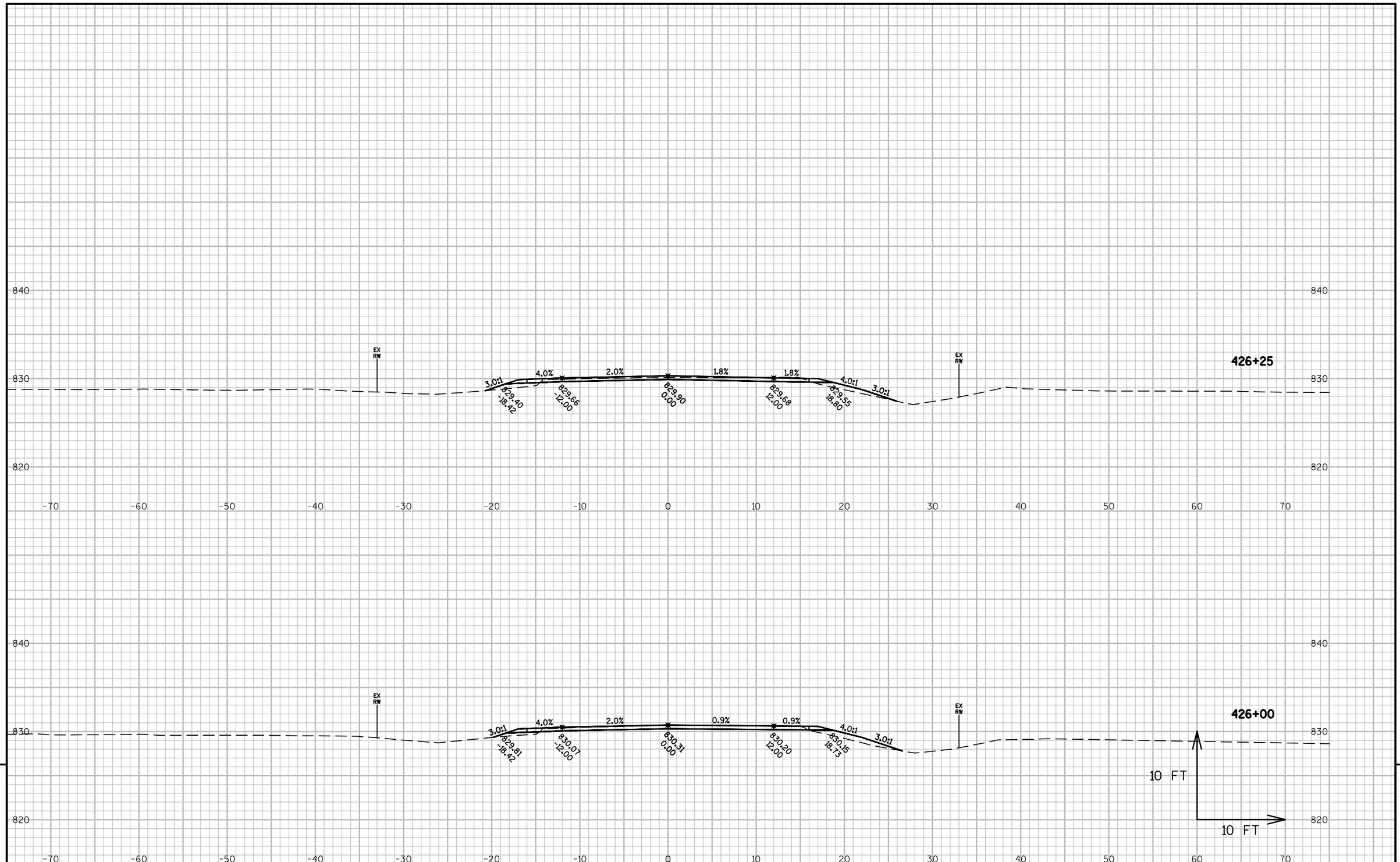
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 339	E

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LAYOUT NAME - 090217_XS

PLOT DATE : 8/21/2017 3:11 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



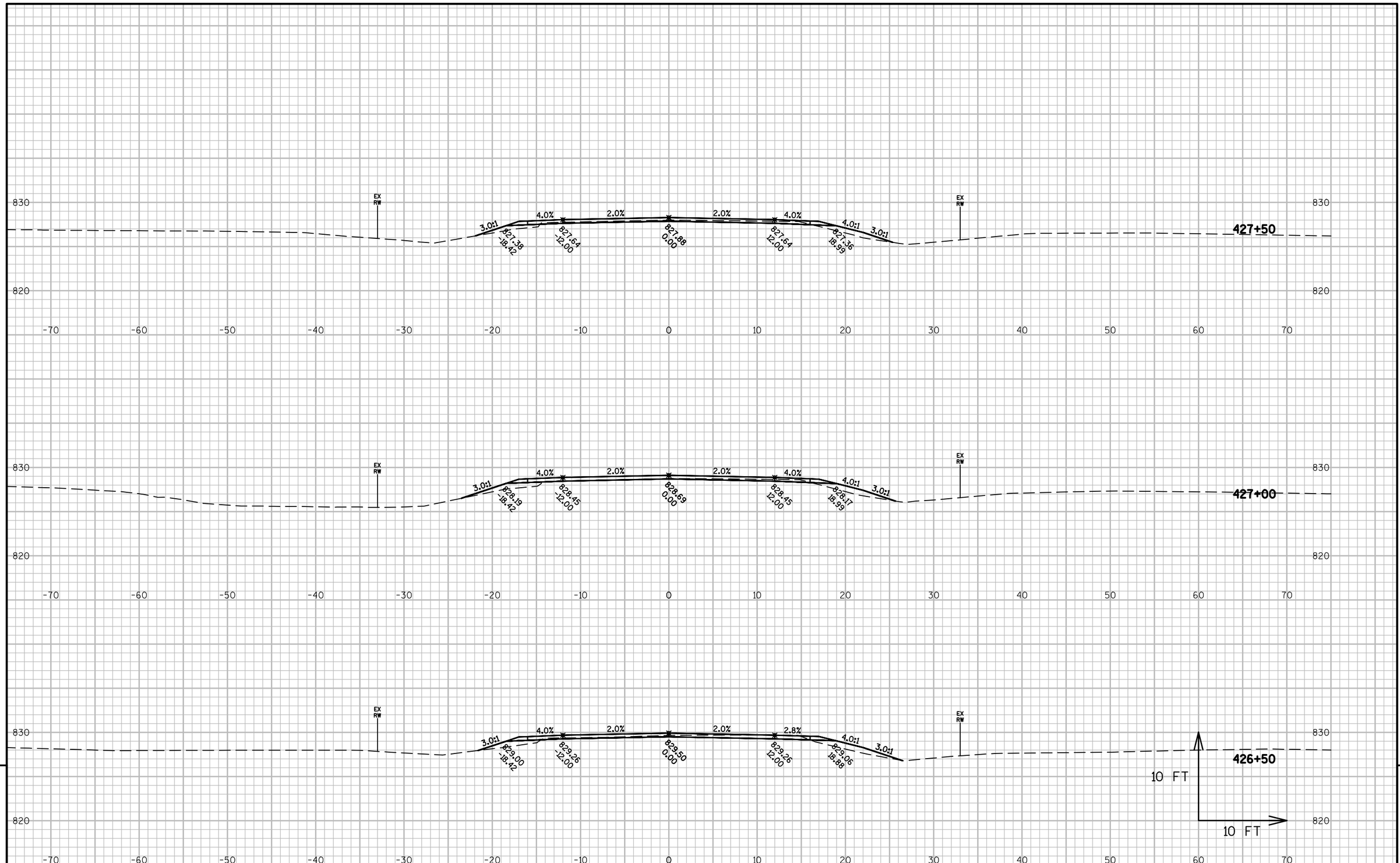
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 340	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090218_XS

PLOT DATE : 8/21/2017 3:12 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



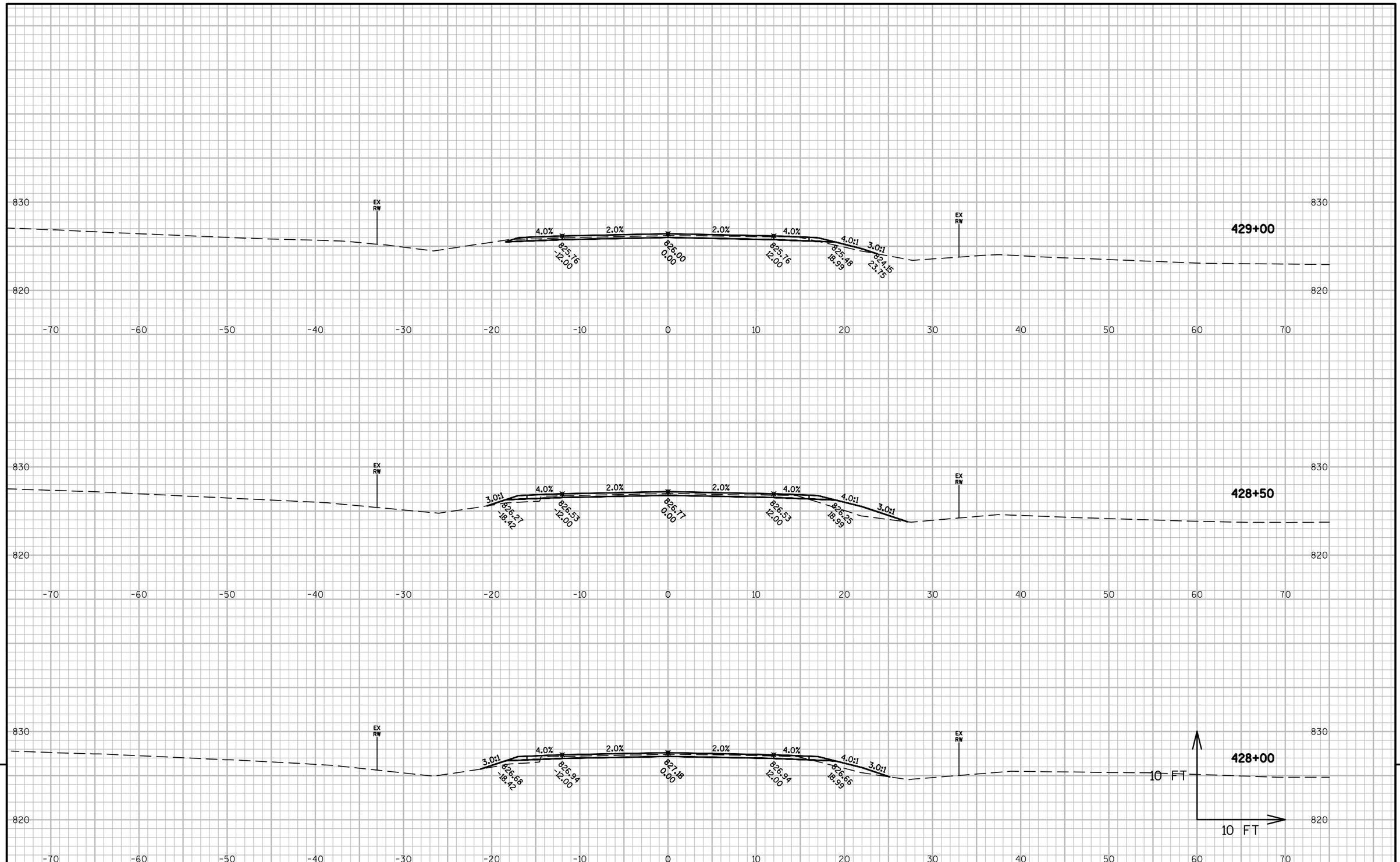
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 341	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090219_XS

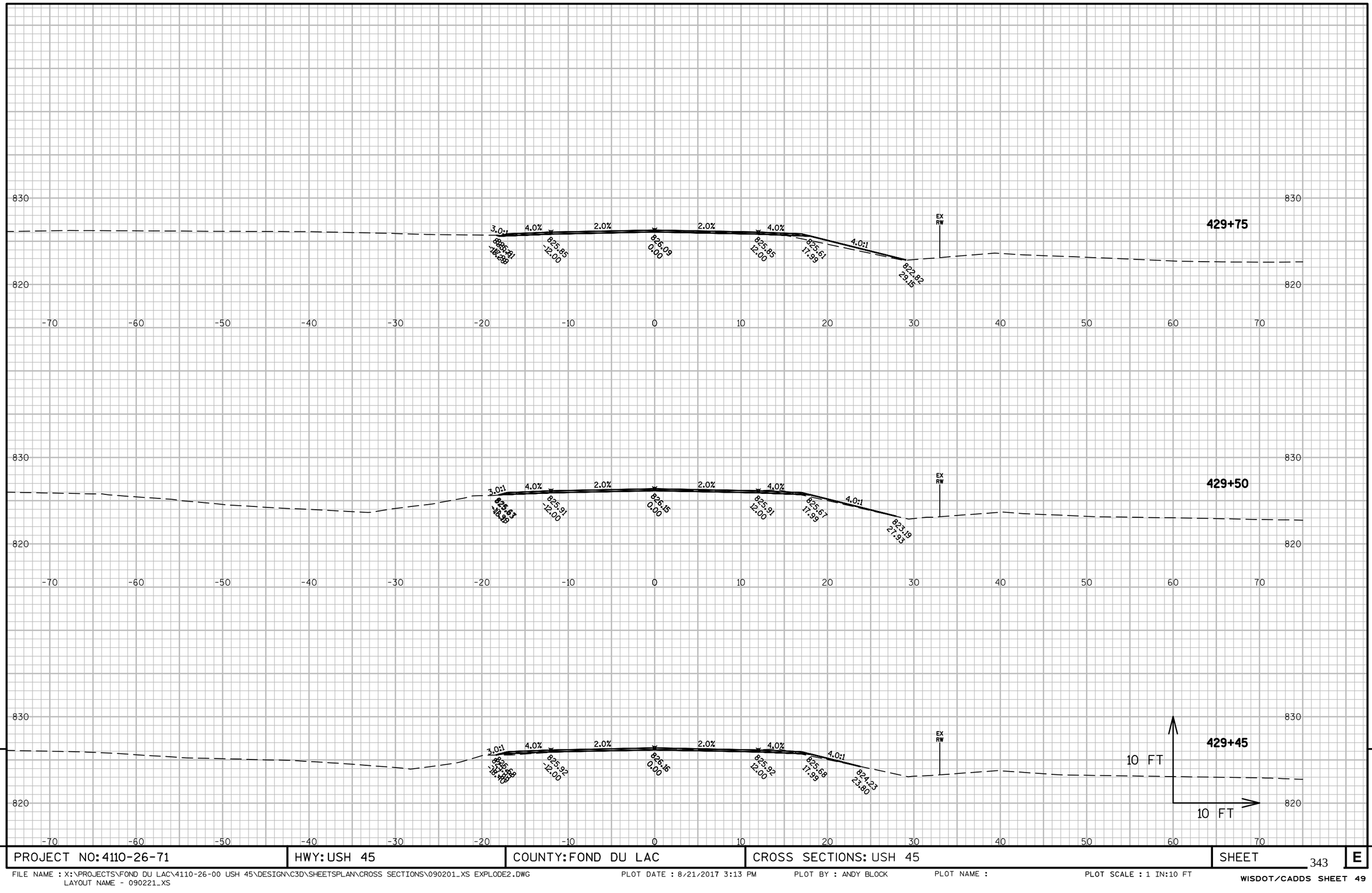
PLOT DATE : 8/21/2017 3:12 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 342	E

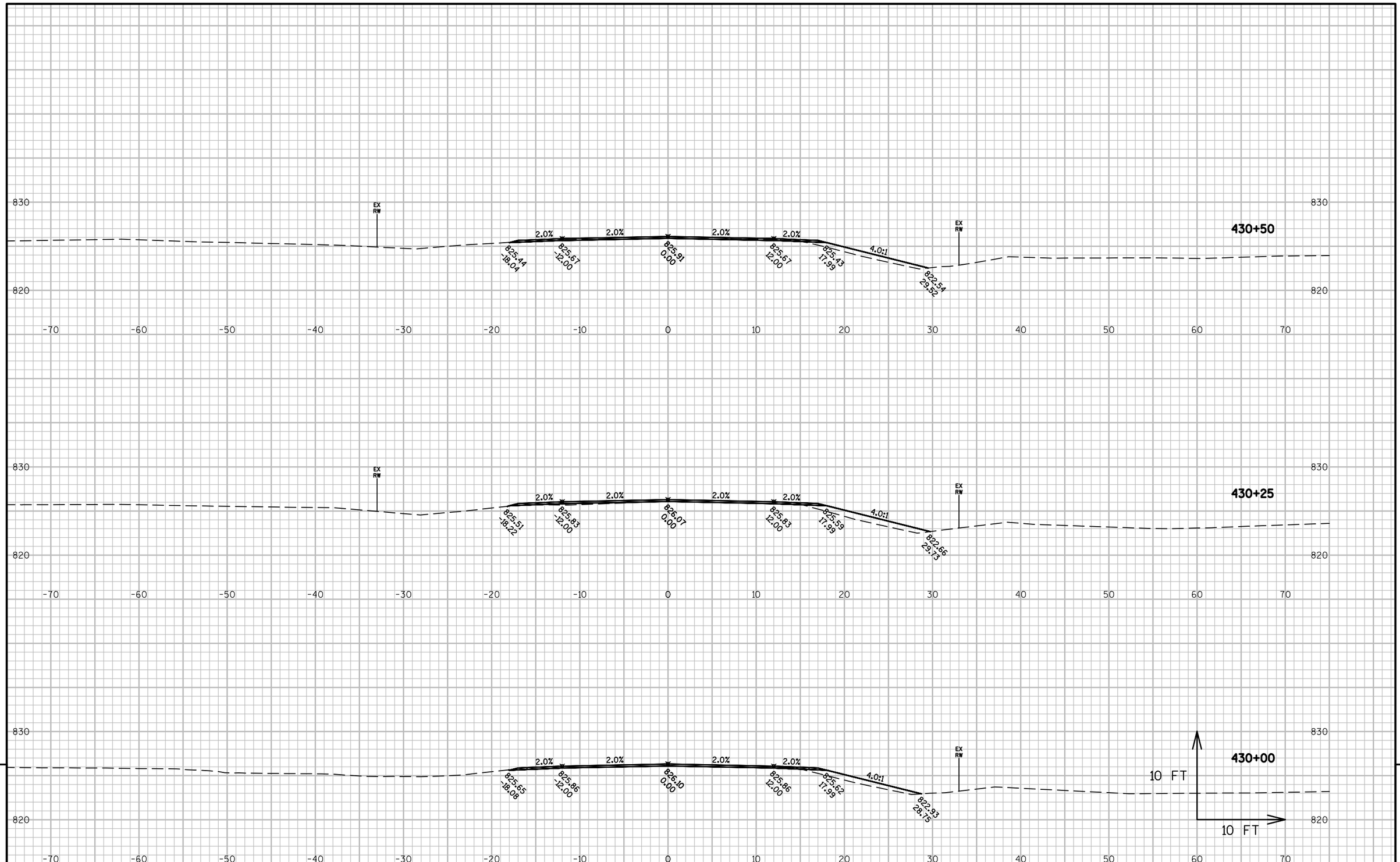


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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 343	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090221_XS

PLOT DATE : 8/21/2017 3:13 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



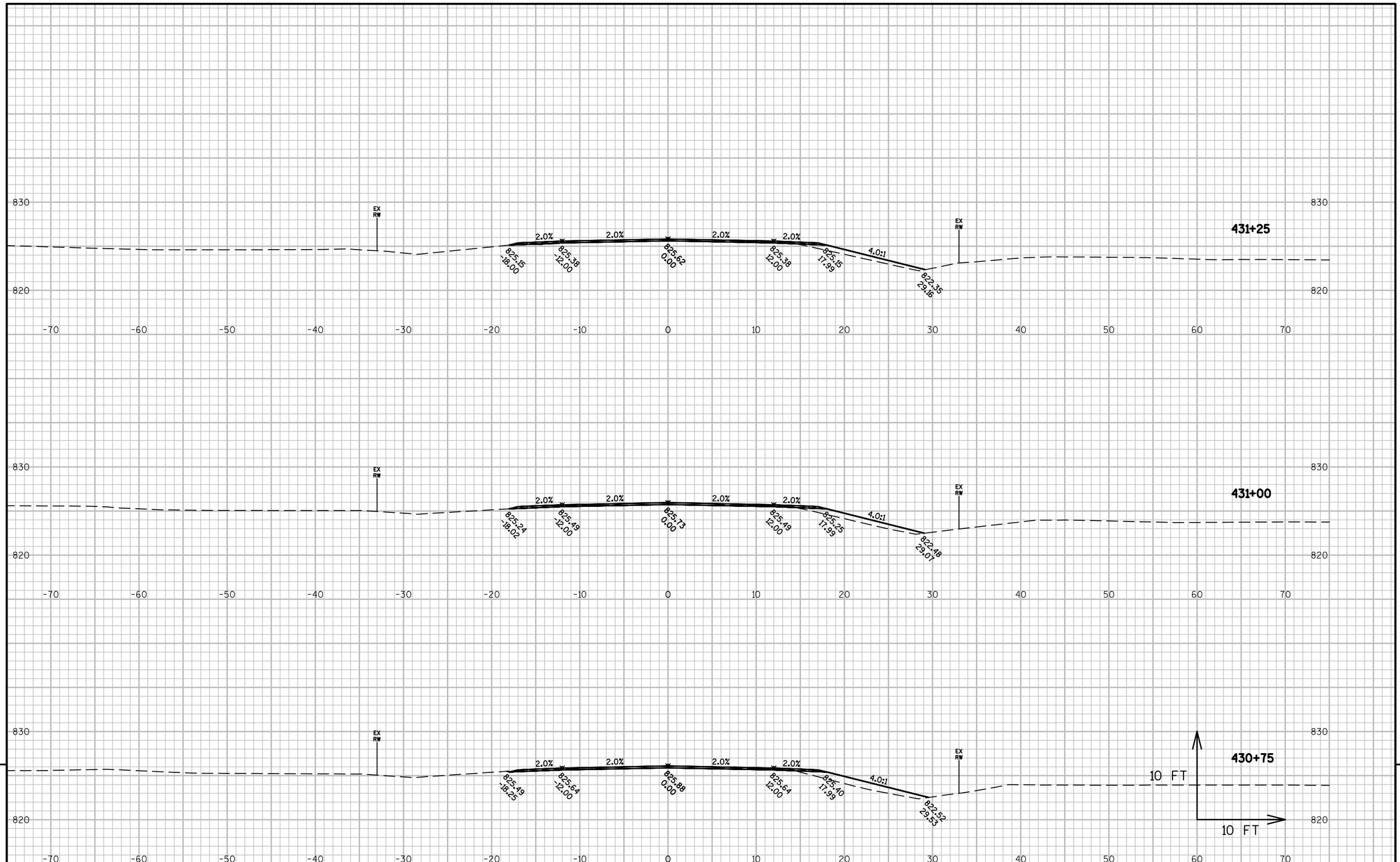
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9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 344	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090222_XS

PLOT DATE : 8/21/2017 3:14 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

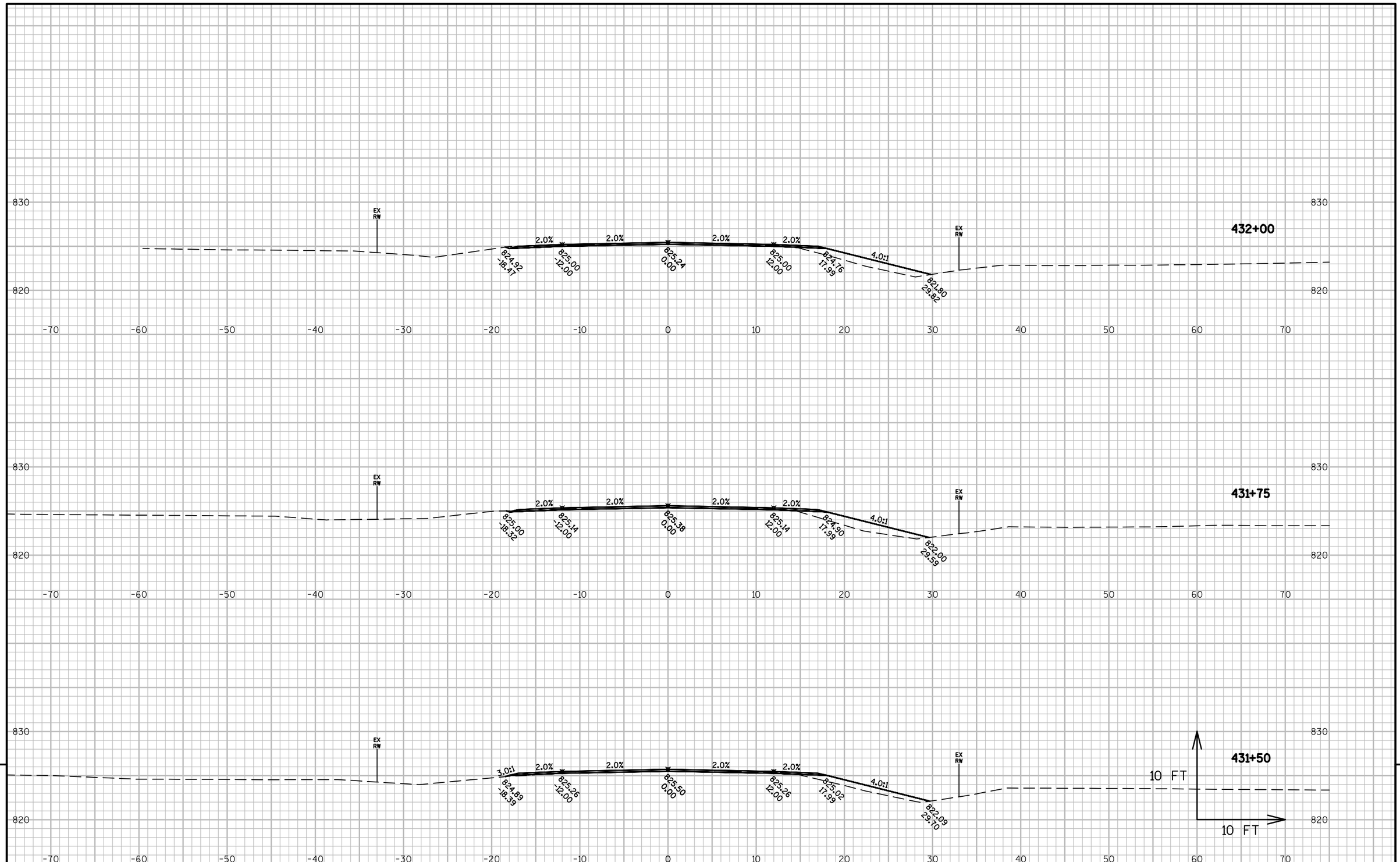


9

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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 345	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090223_XS
PLOT DATE : 8/21/2017 3:14 PM
PLOT BY : ANDY BLOCK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



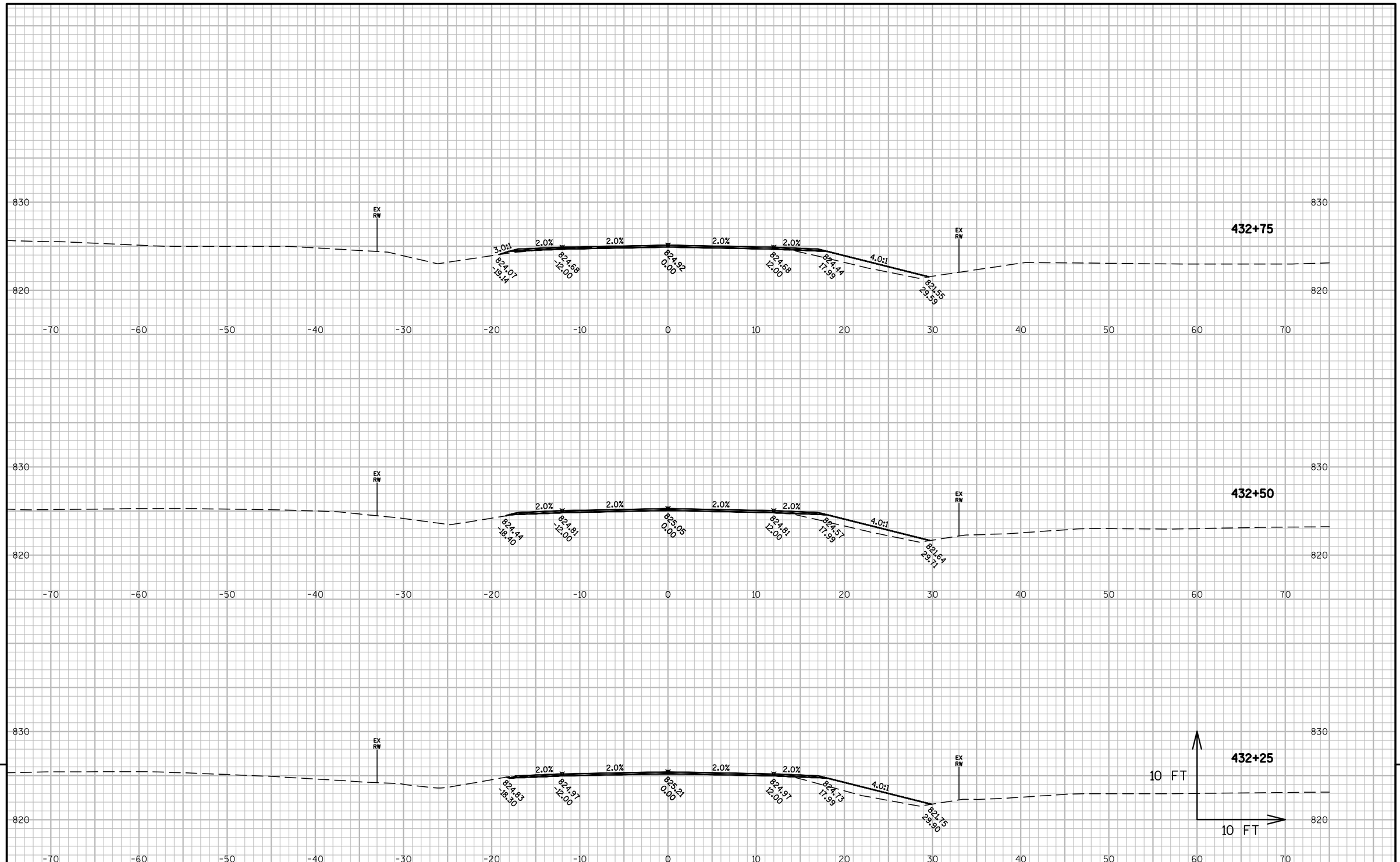
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 346	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090224_XS

PLOT DATE : 8/21/2017 3:14 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



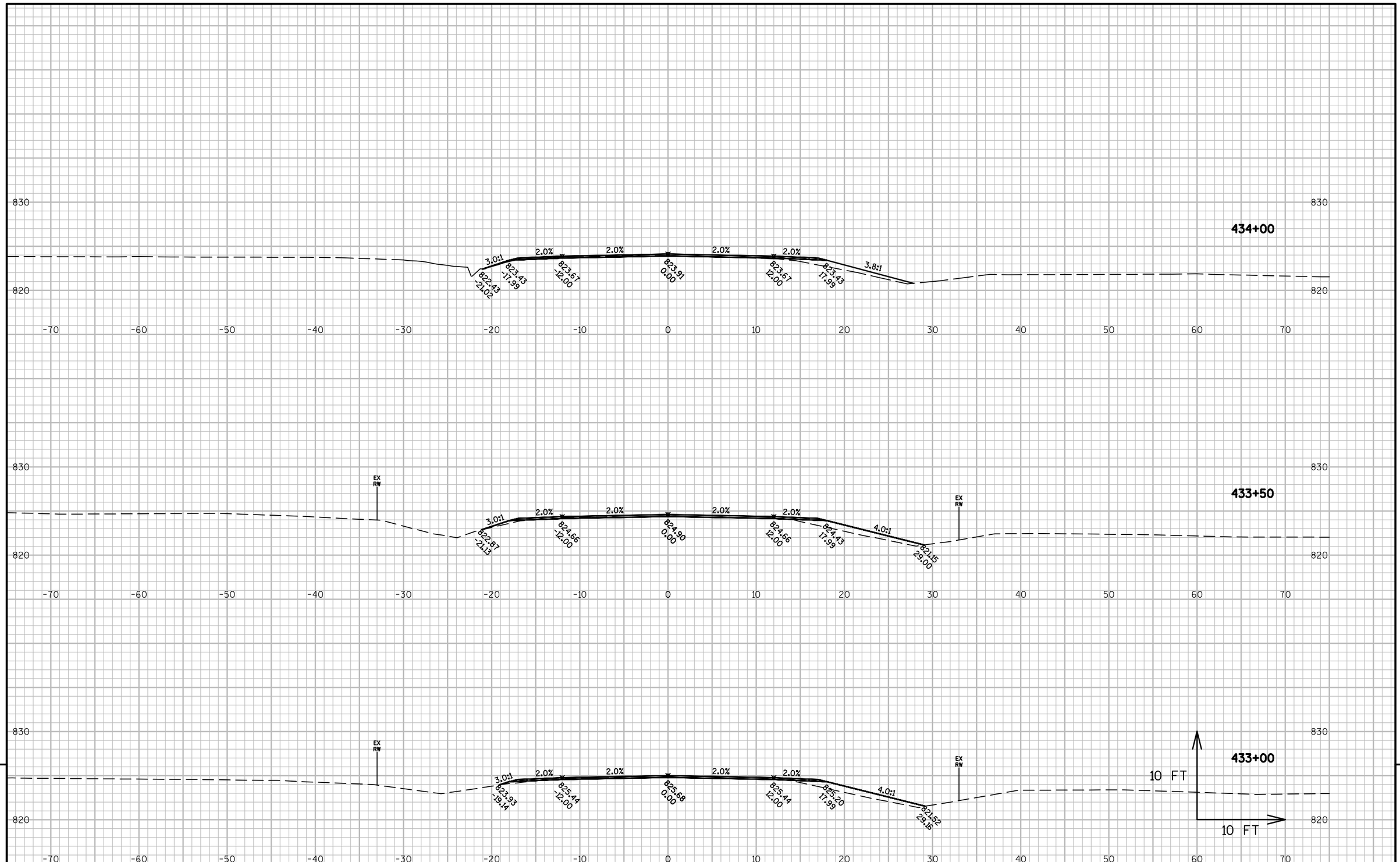
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 347	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090225_XS

PLOT DATE : 8/21/2017 3:15 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



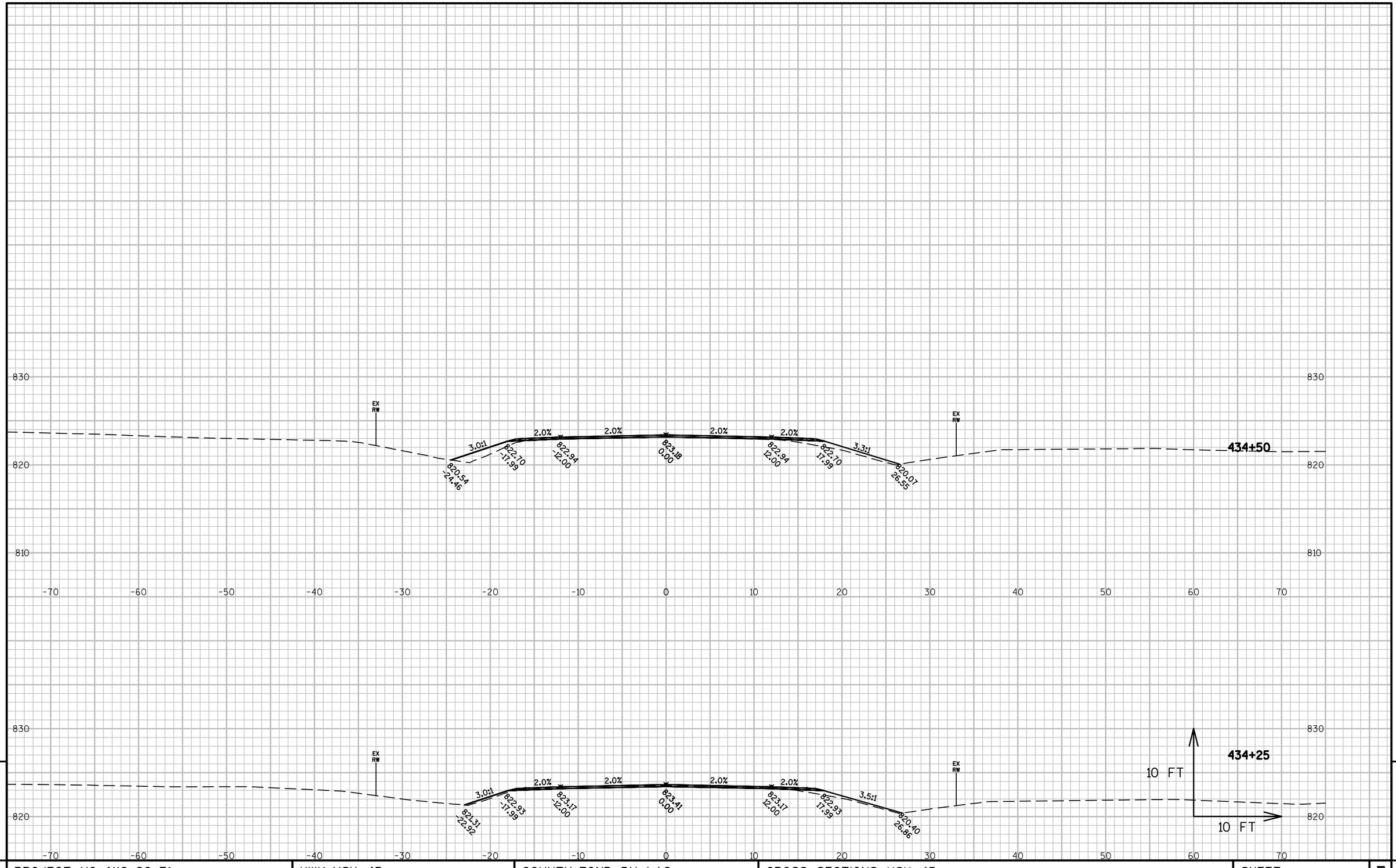
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 348	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090226_XS

PLOT DATE : 8/21/2017 3:15 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



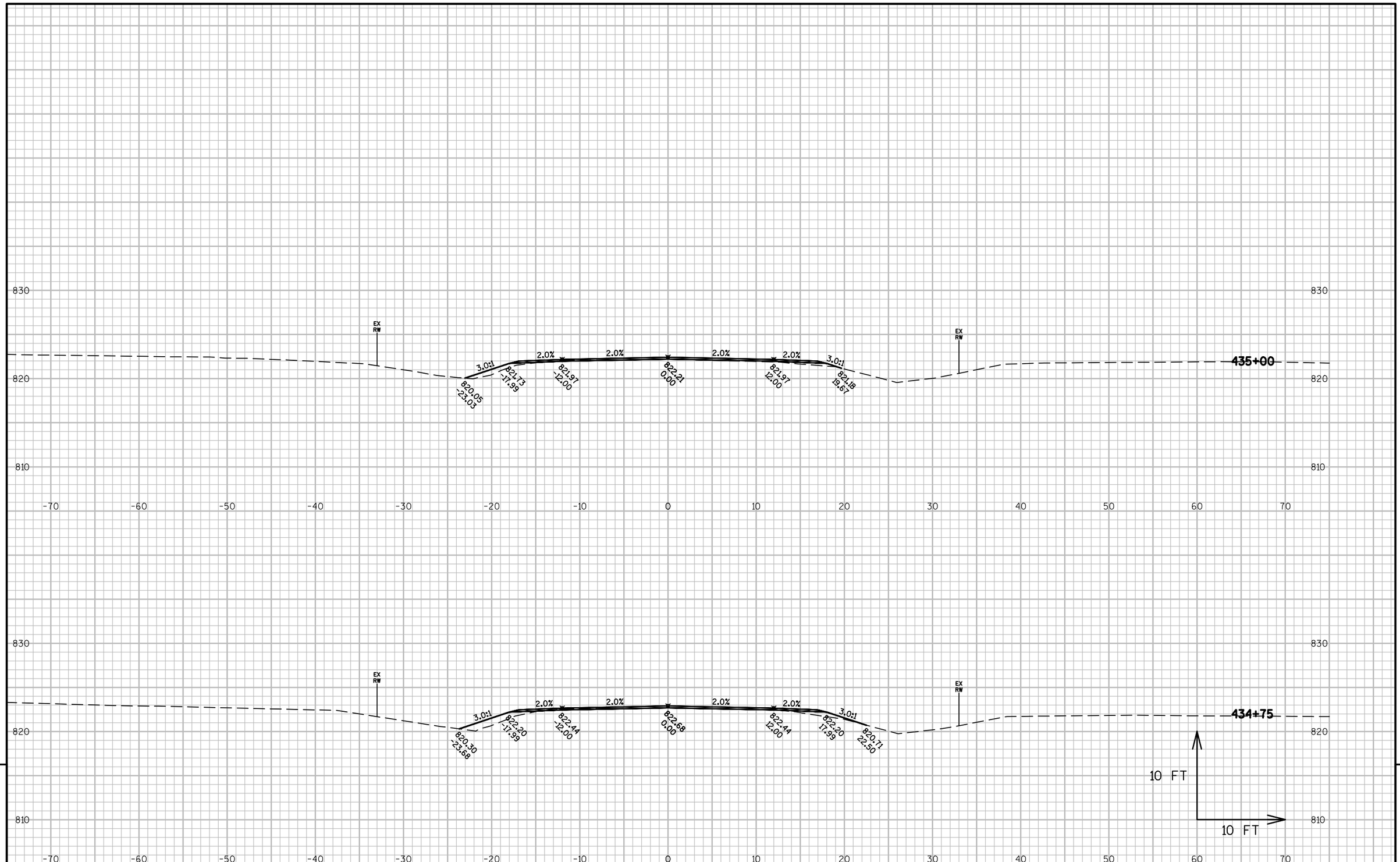
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 349	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090227_XS

PLOT DATE : 8/21/2017 3:16 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



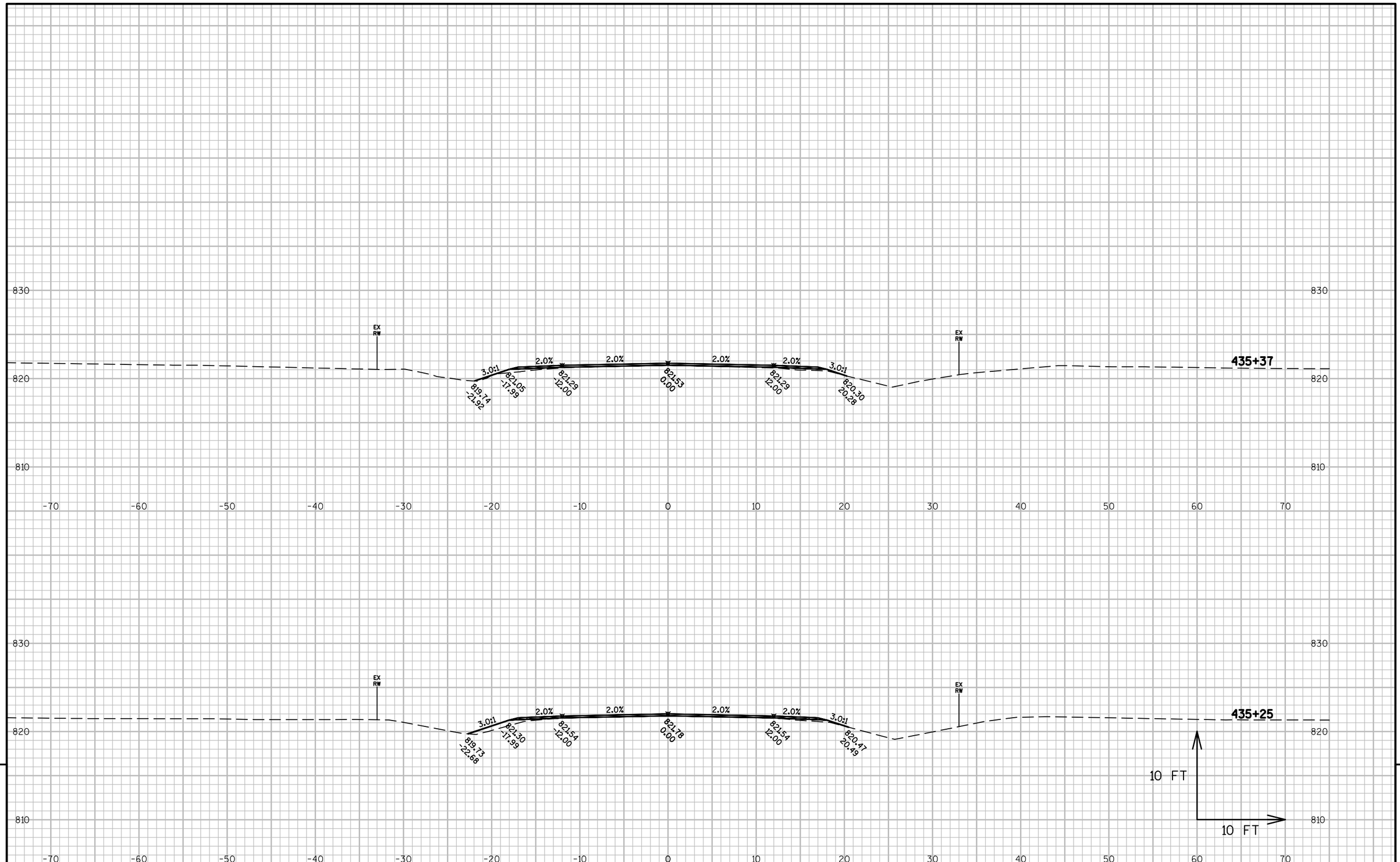
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 350	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090228_XS

PLOT DATE : 8/21/2017 3:16 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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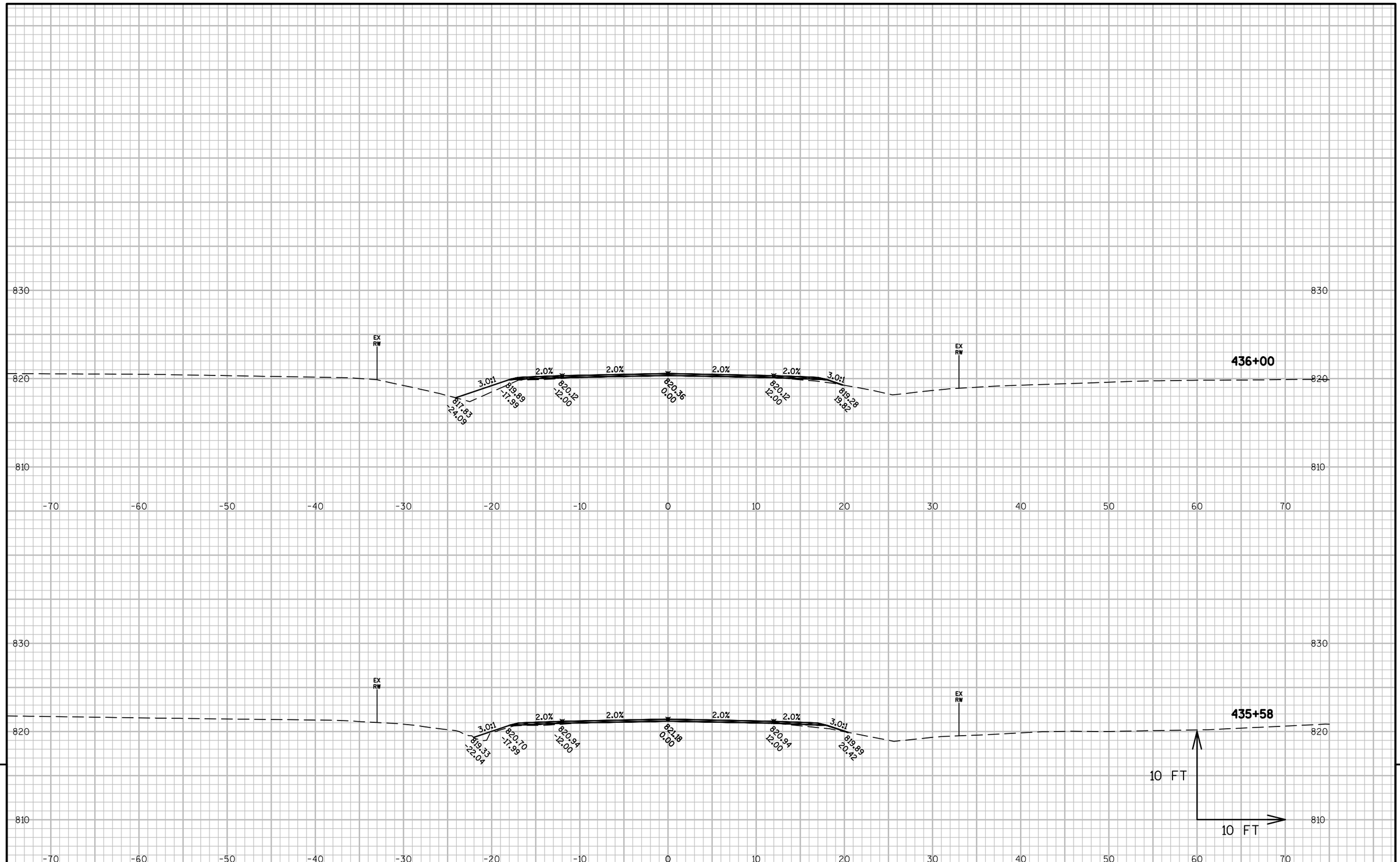
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 351	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090229_XS

PLOT DATE : 8/21/2017 3:17 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



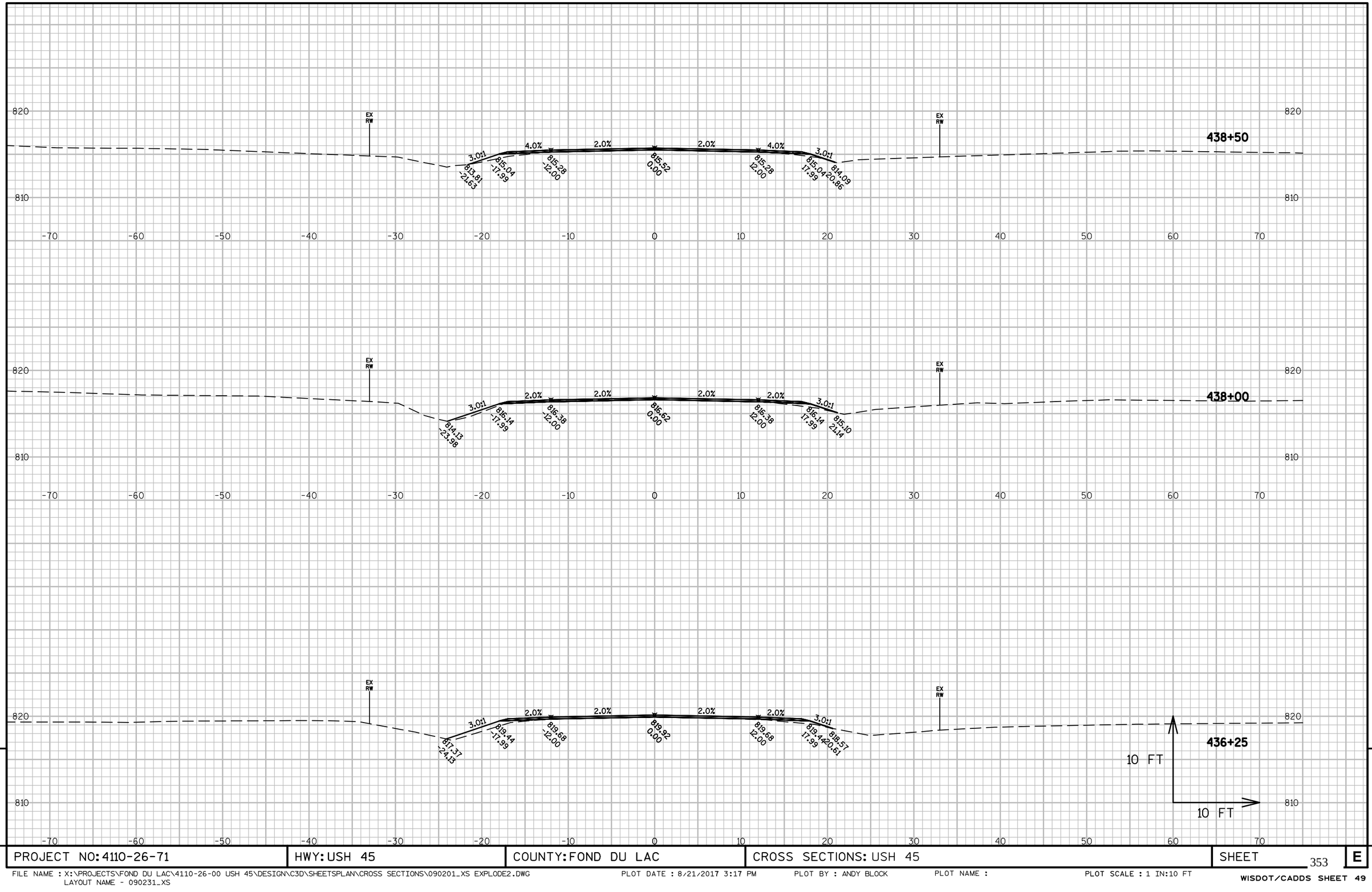
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 352	E

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LAYOUT NAME - 090230_XS

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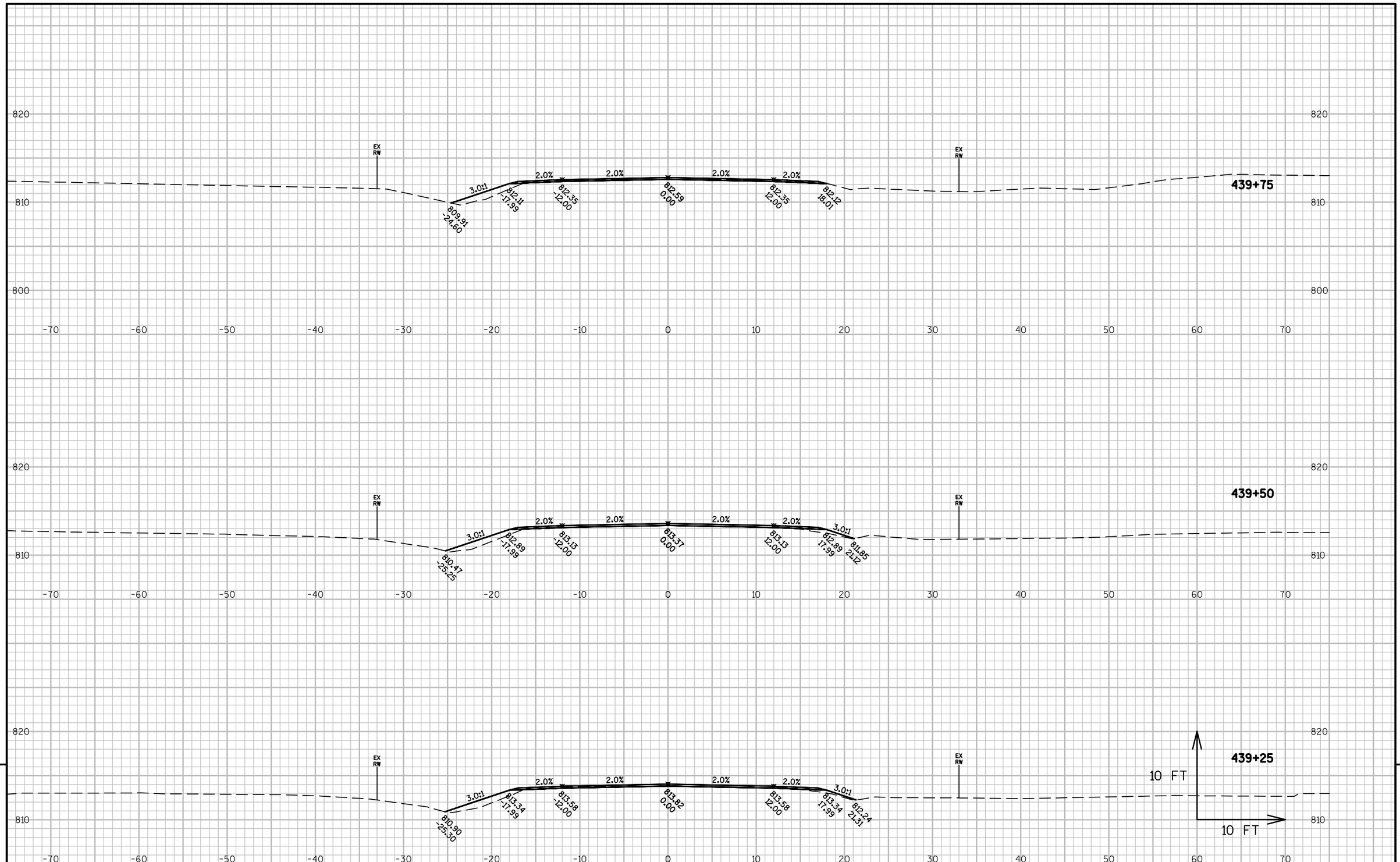


PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 353	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090231_XS

PLOT DATE : 8/21/2017 3:17 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



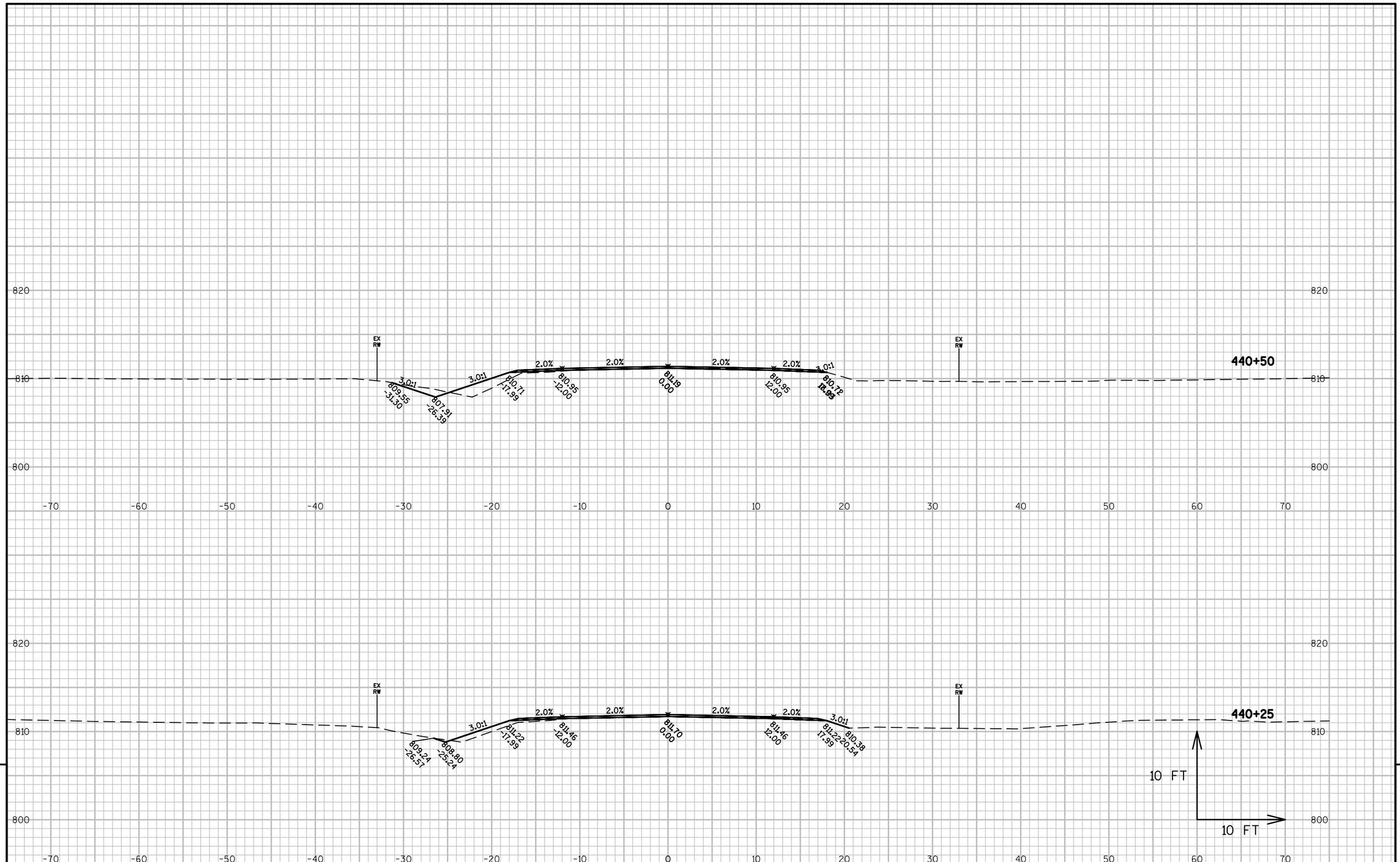
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 354	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090232_XS

PLOT DATE : 8/21/2017 3:18 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



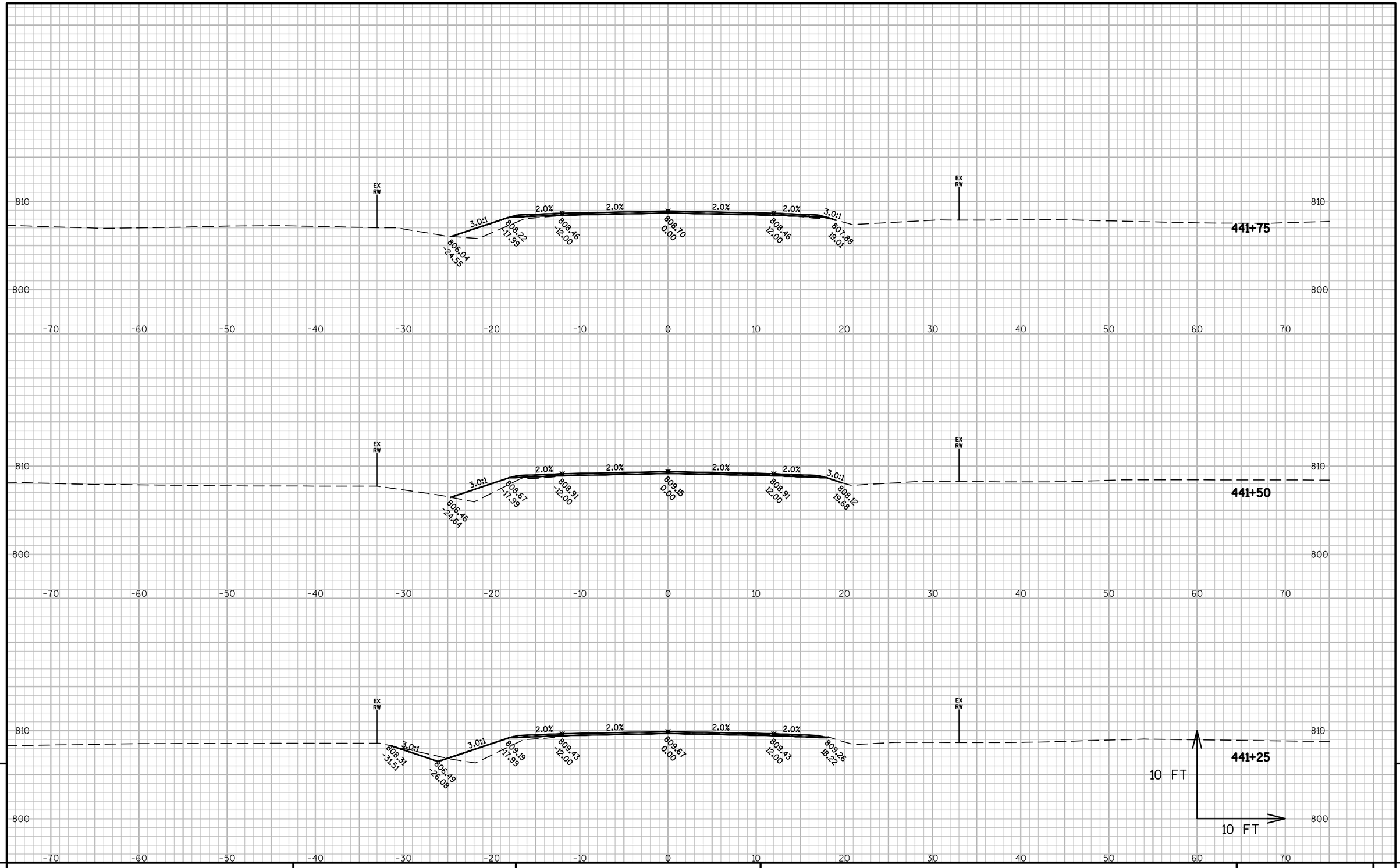
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 355	E

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LAYOUT NAME - 090233_XS

PLOT DATE : 8/21/2017 3:18 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



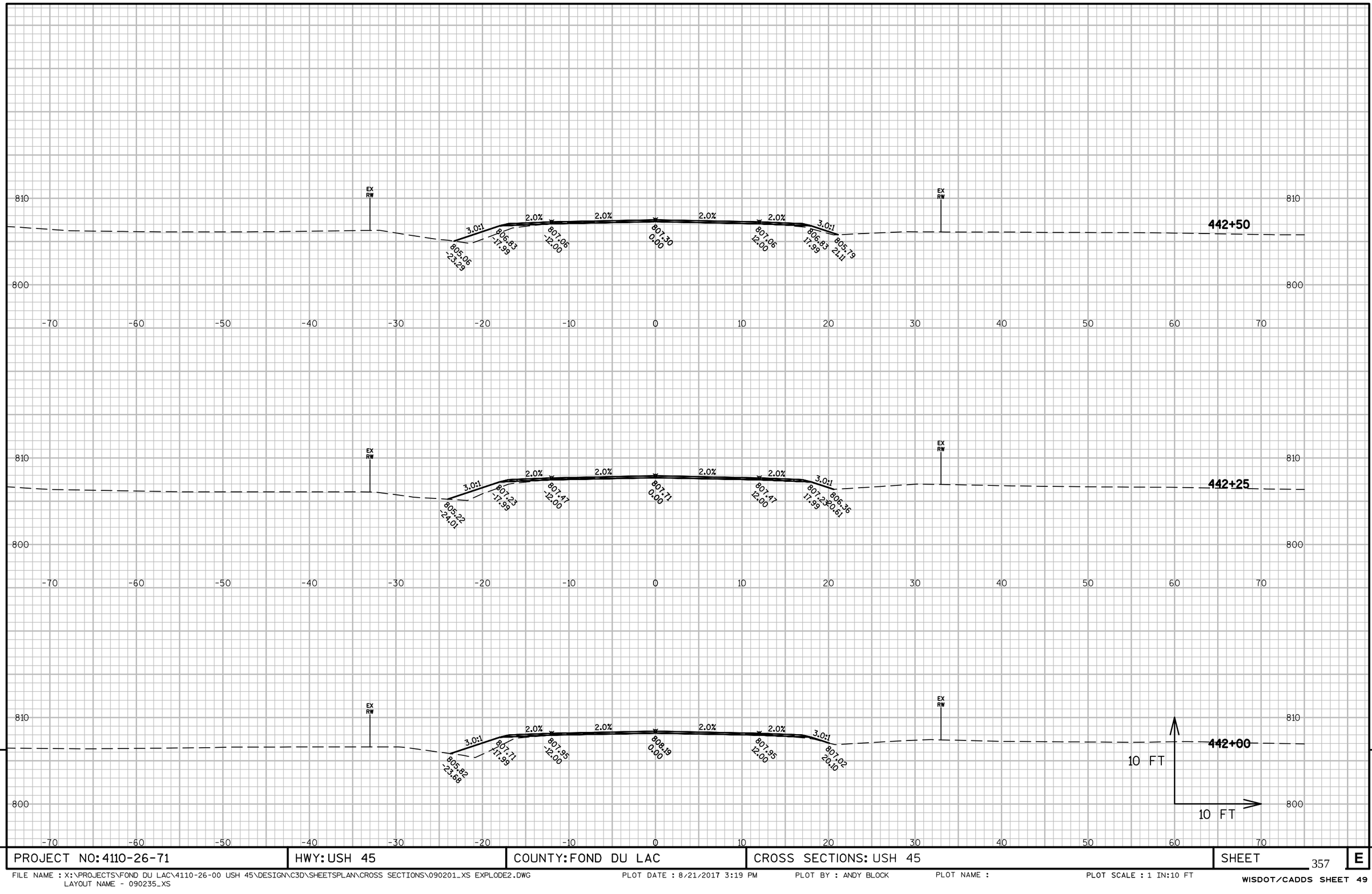
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 356	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090234_XS

PLOT DATE : 8/21/2017 3:19 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



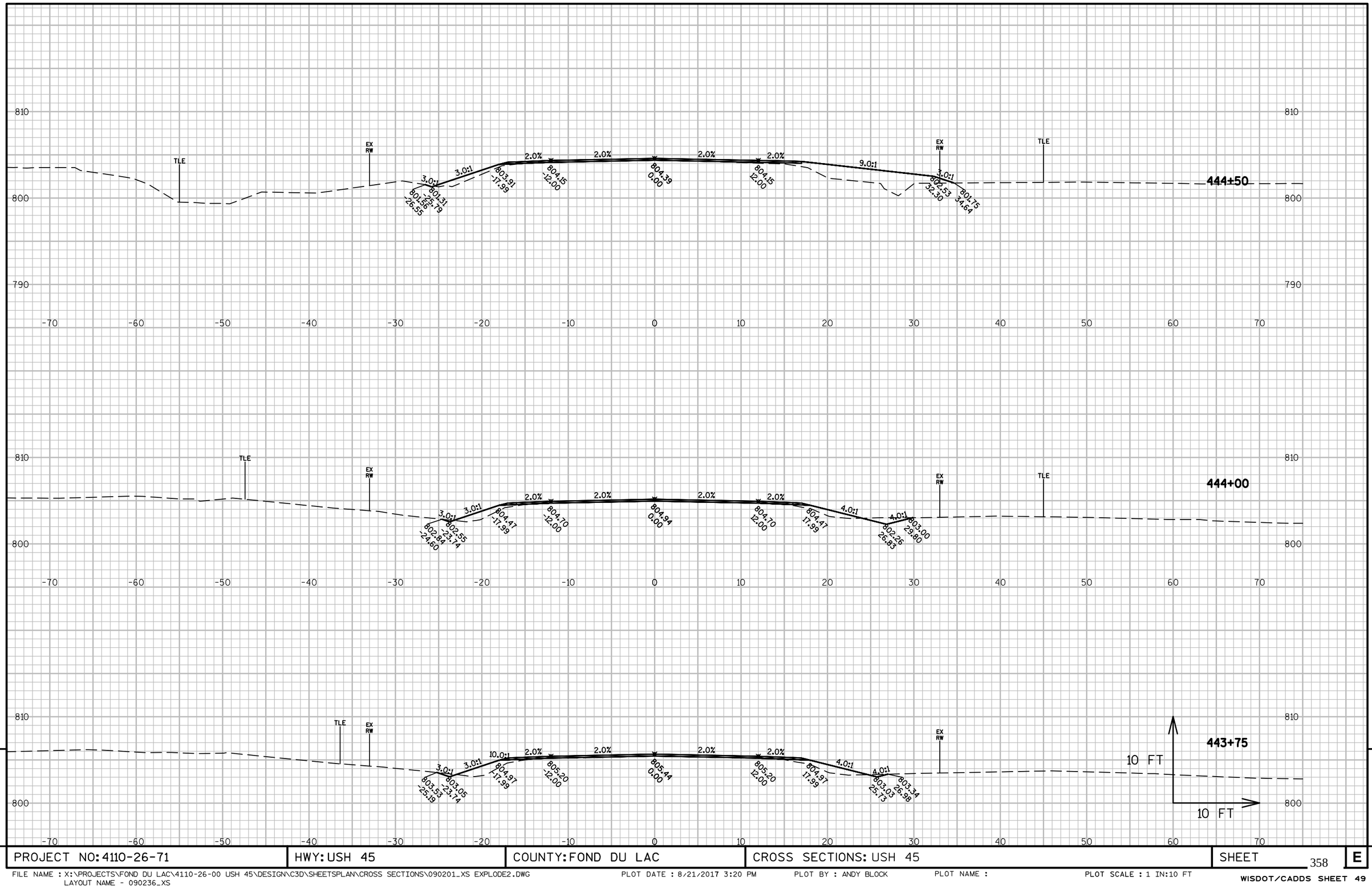
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 357	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090235_XS

PLOT DATE : 8/21/2017 3:19 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



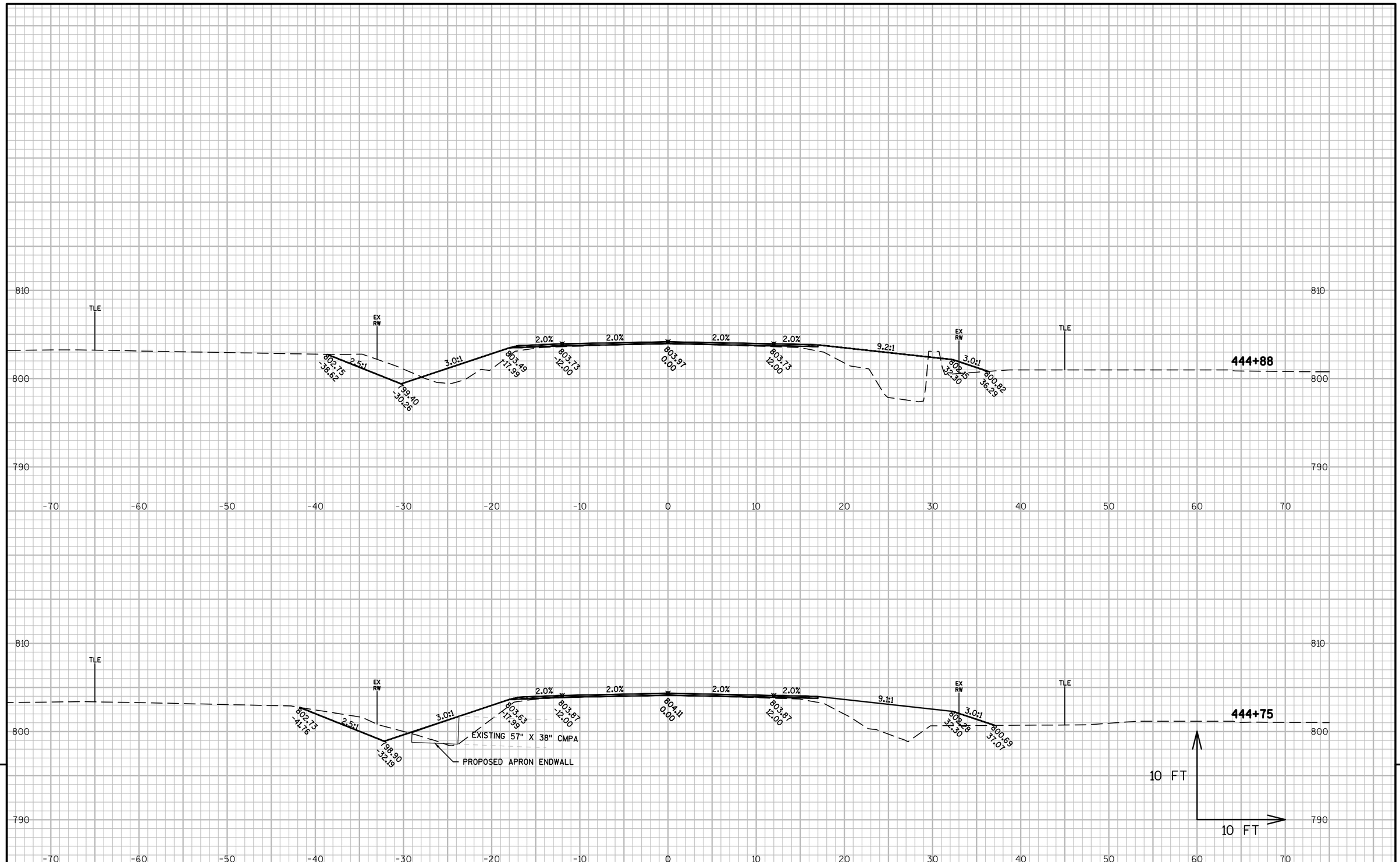
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 358	E

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LAYOUT NAME - 090236_XS

PLOT DATE : 8/21/2017 3:20 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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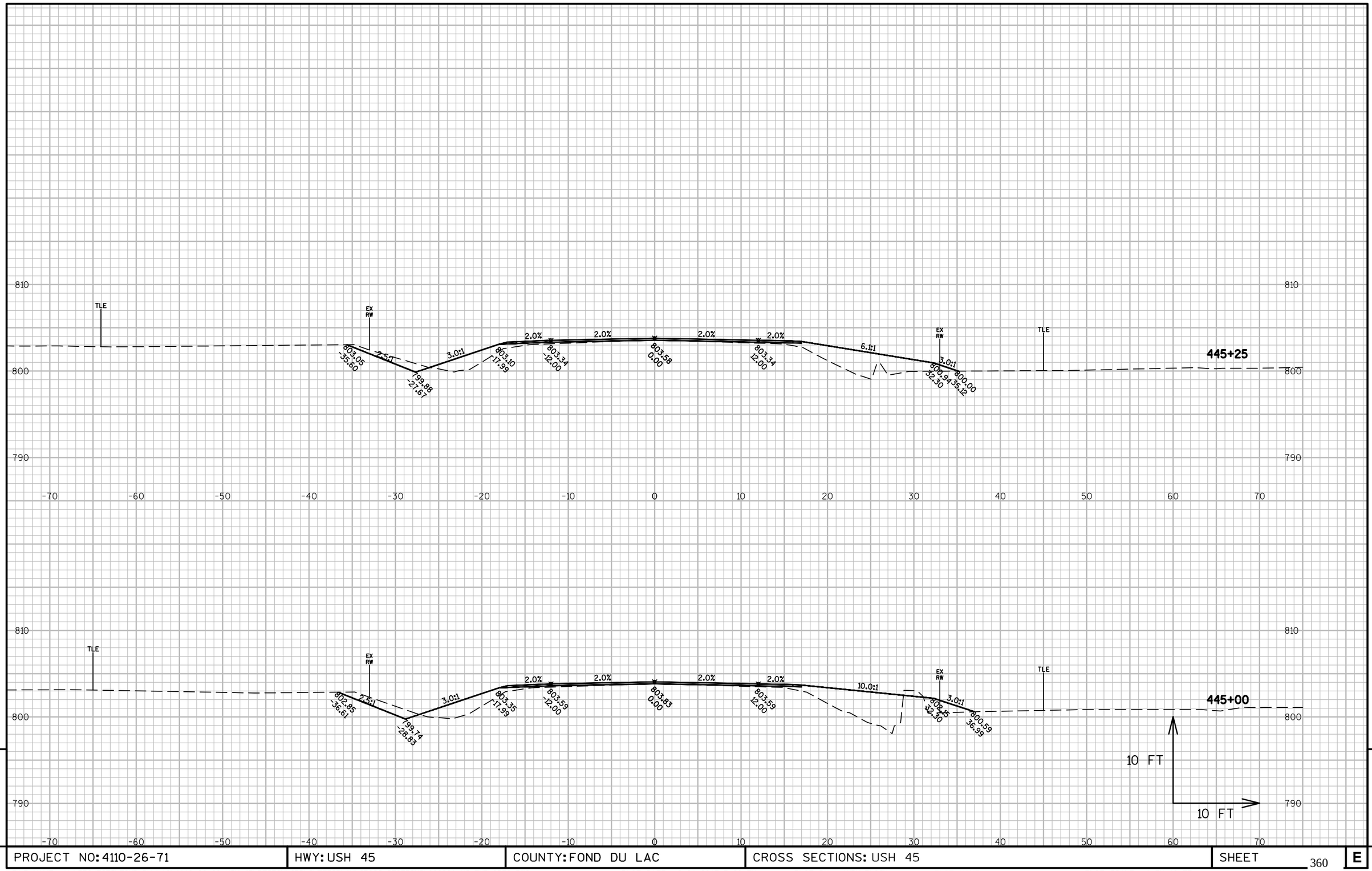
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 359	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090237_XS

PLOT DATE : 8/21/2017 3:20 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



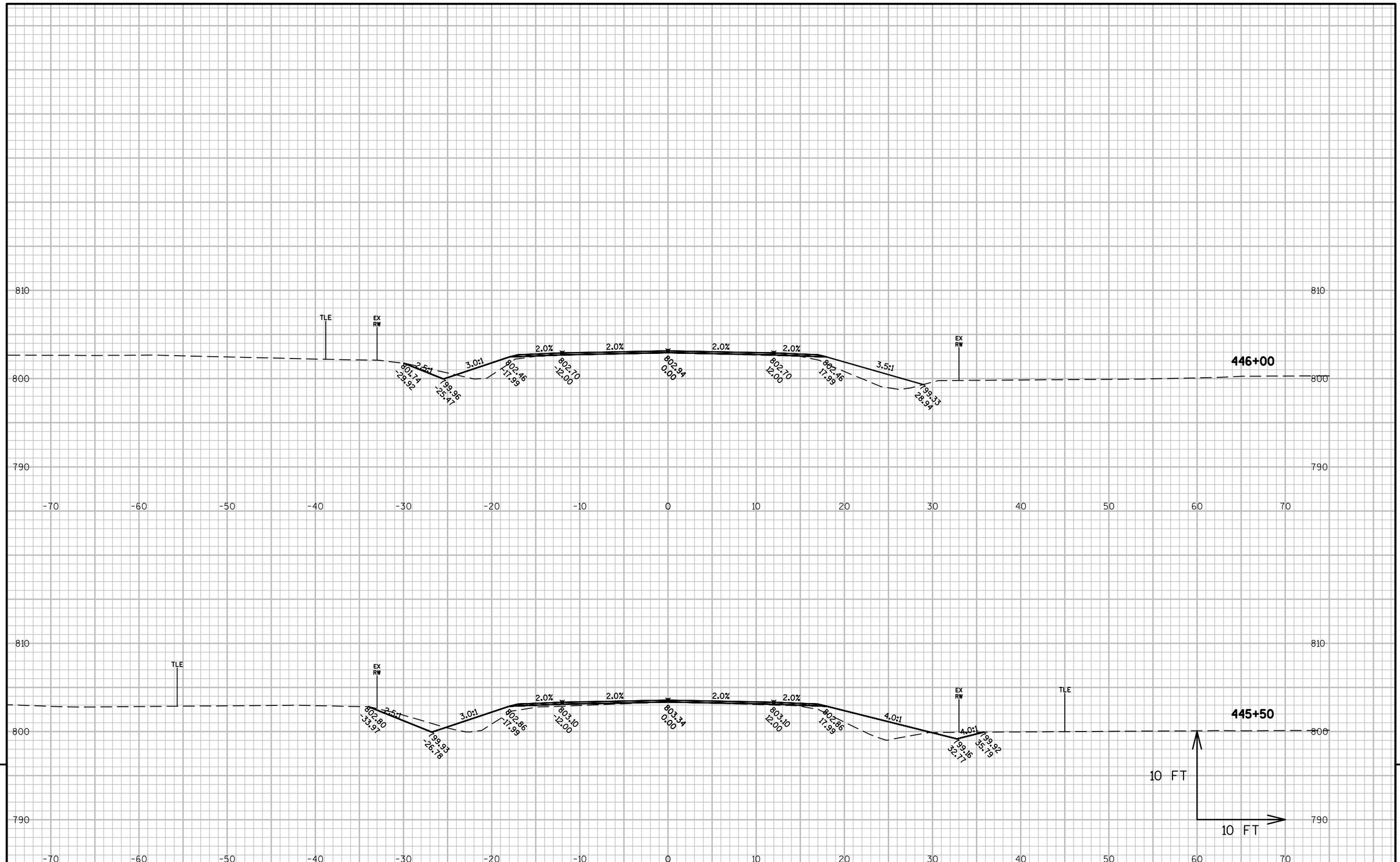
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 360	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090238_XS

PLOT DATE : 8/21/2017 3:20 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



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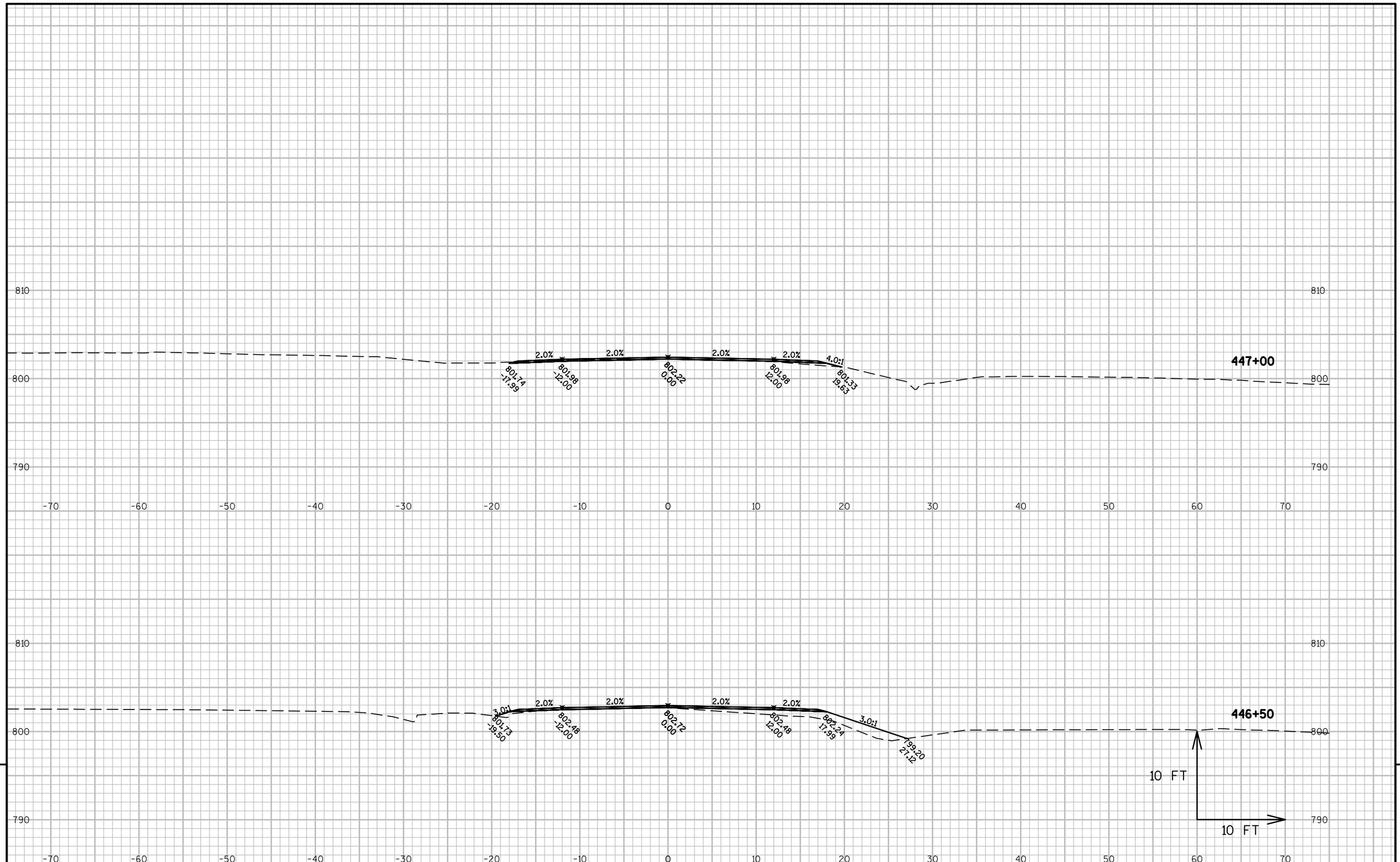
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 361	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090239_XS

PLOT DATE : 8/21/2017 3:21 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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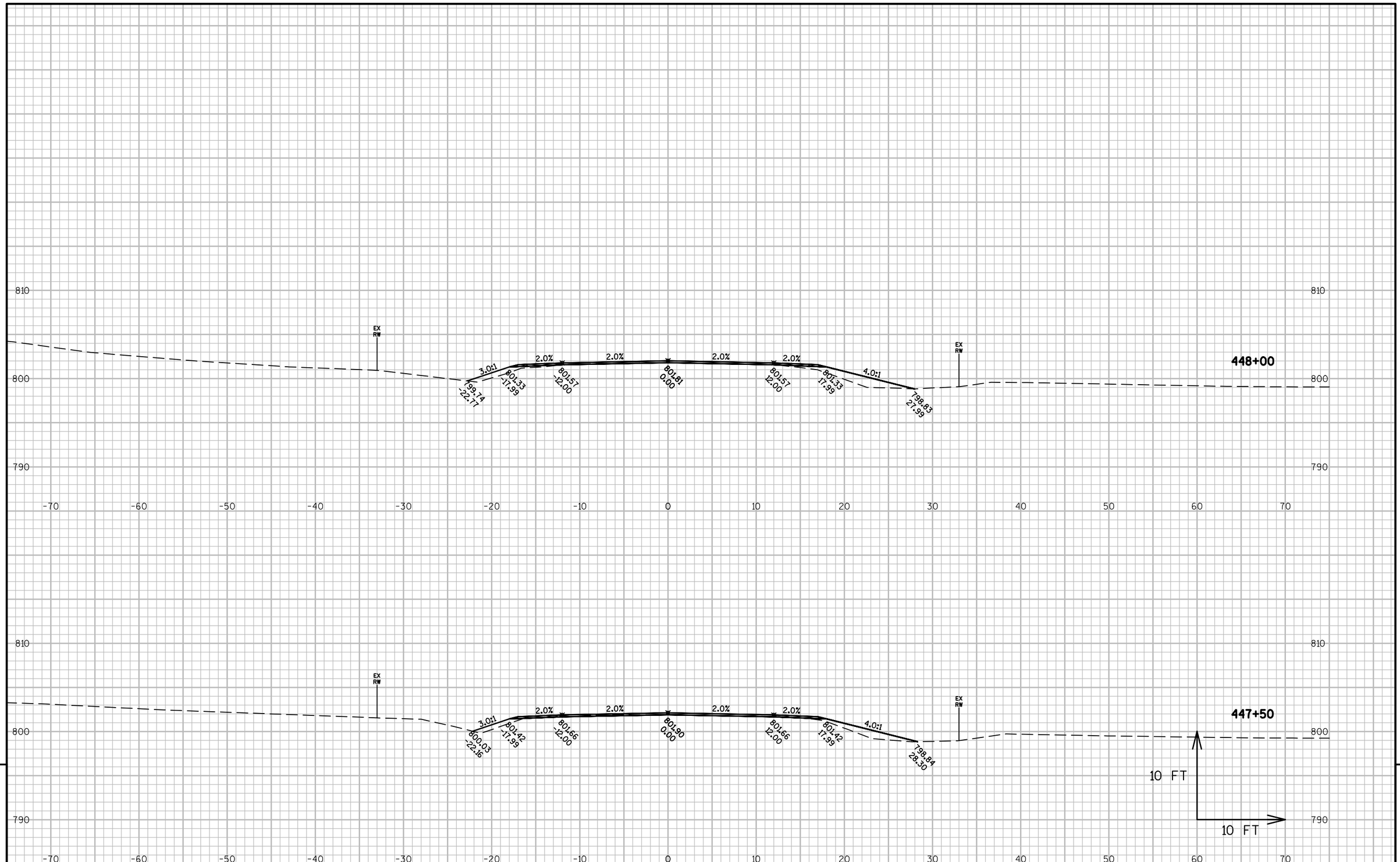
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 362	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090240_XS

PLOT DATE : 8/21/2017 3:21 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



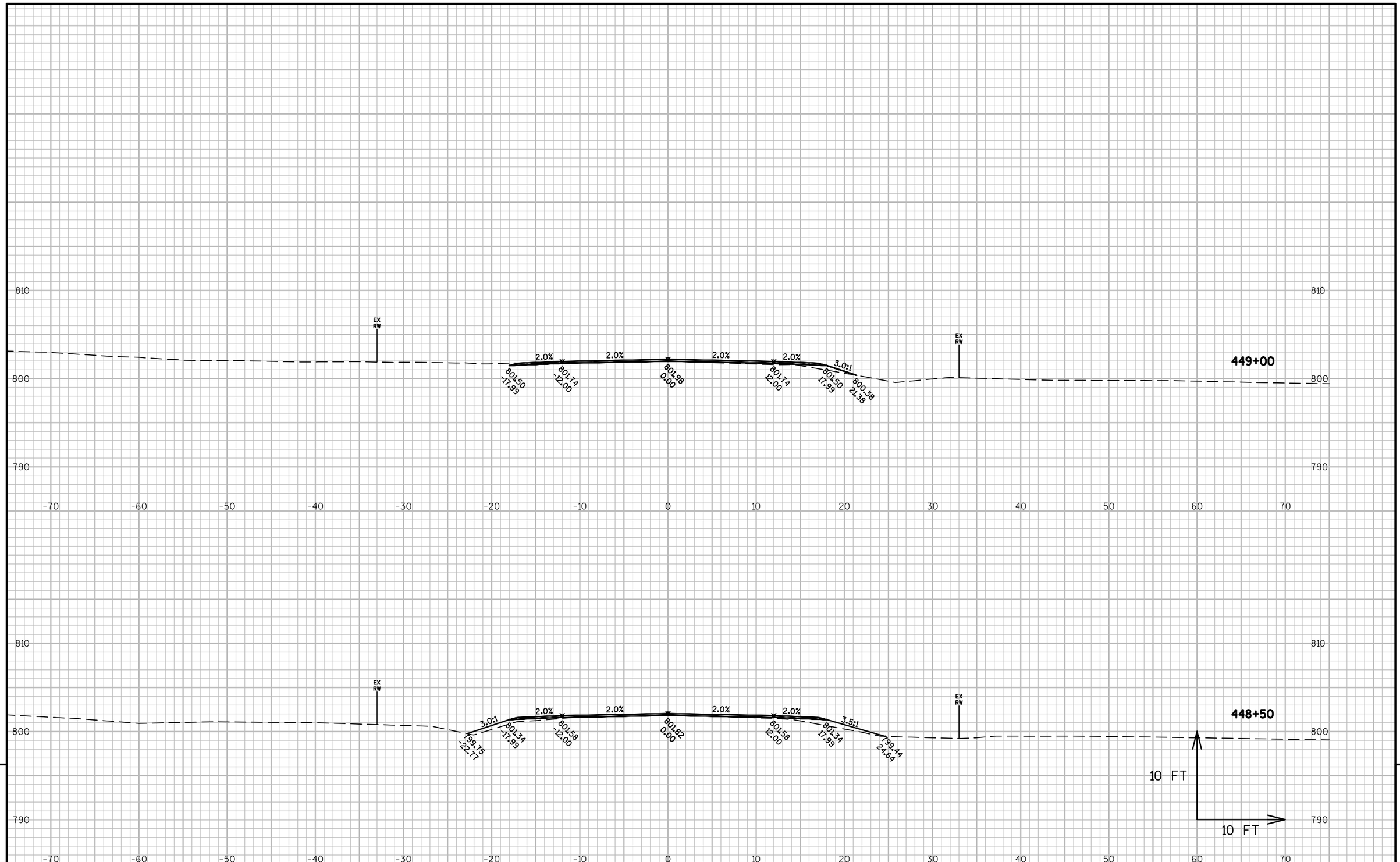
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 363	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090241_XS

PLOT DATE : 8/21/2017 3:22 PM PLOT BY : ANDY BLOCK PLOT NAME : PLOT SCALE : 1 IN:10 FT



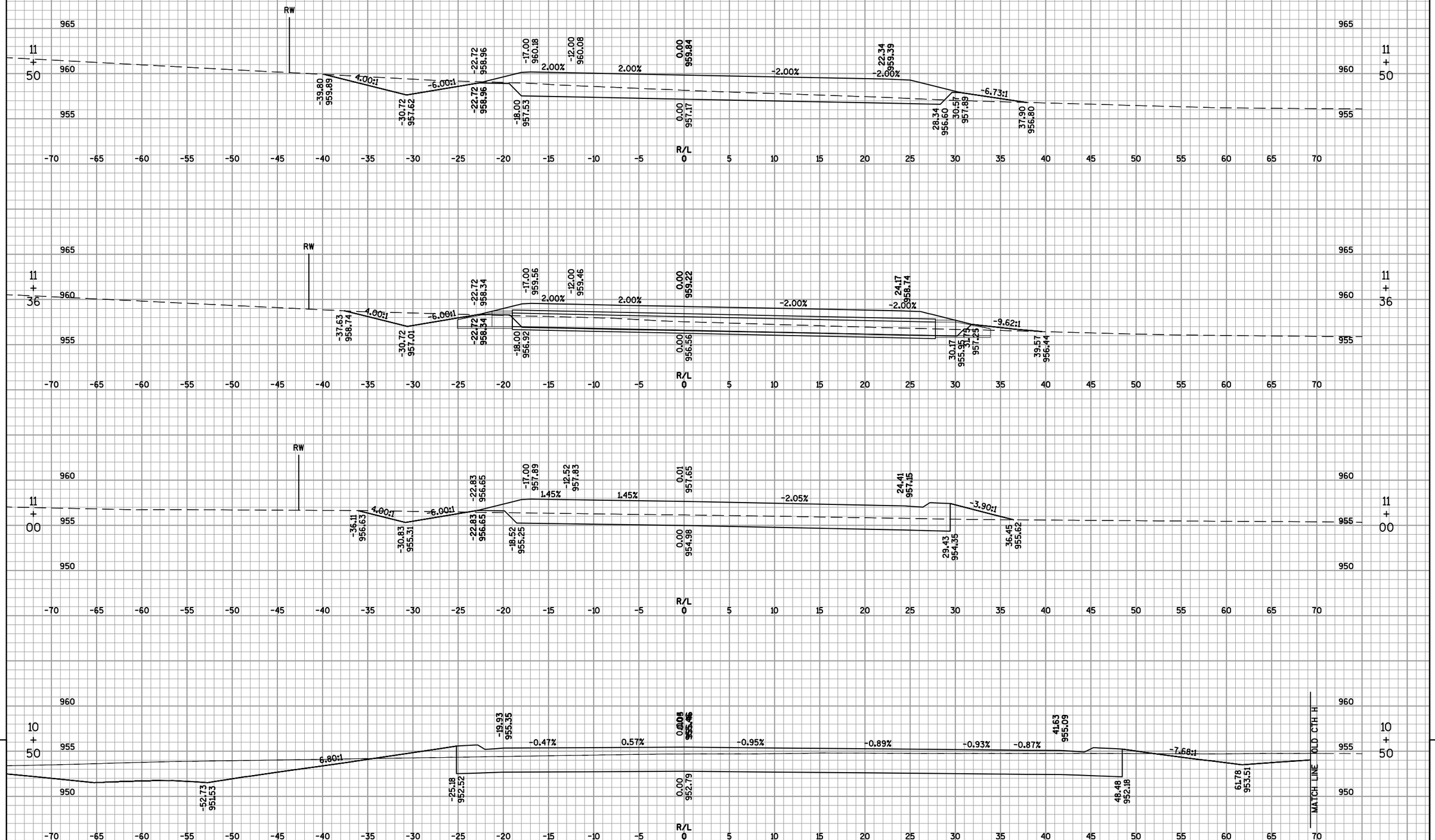
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: USH 45	SHEET 364	E

FILE NAME : X:\PROJECTS\FOND DU LAC\4110-26-00 USH 45\DESIGN\C3D\SHEETSPLAN\CROSS SECTIONS\090201_XS EXPLODE2.DWG
LAYOUT NAME - 090242_XS

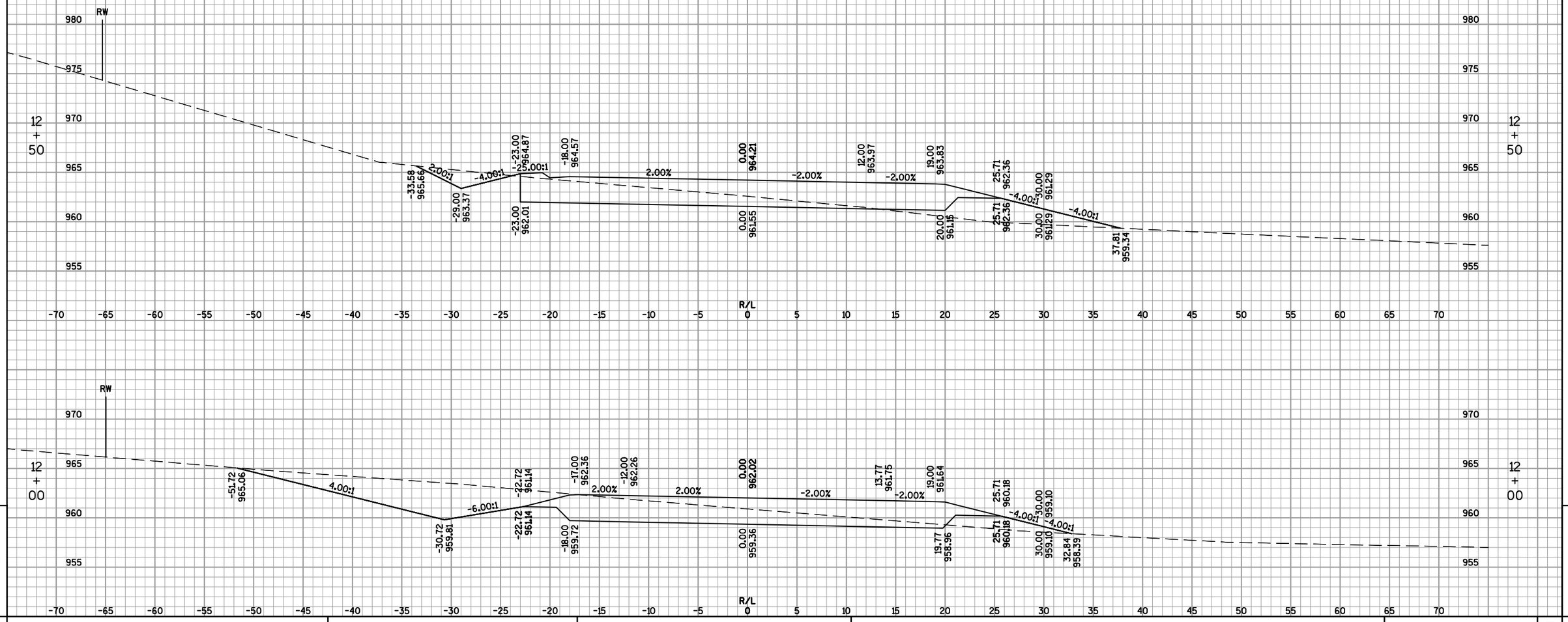
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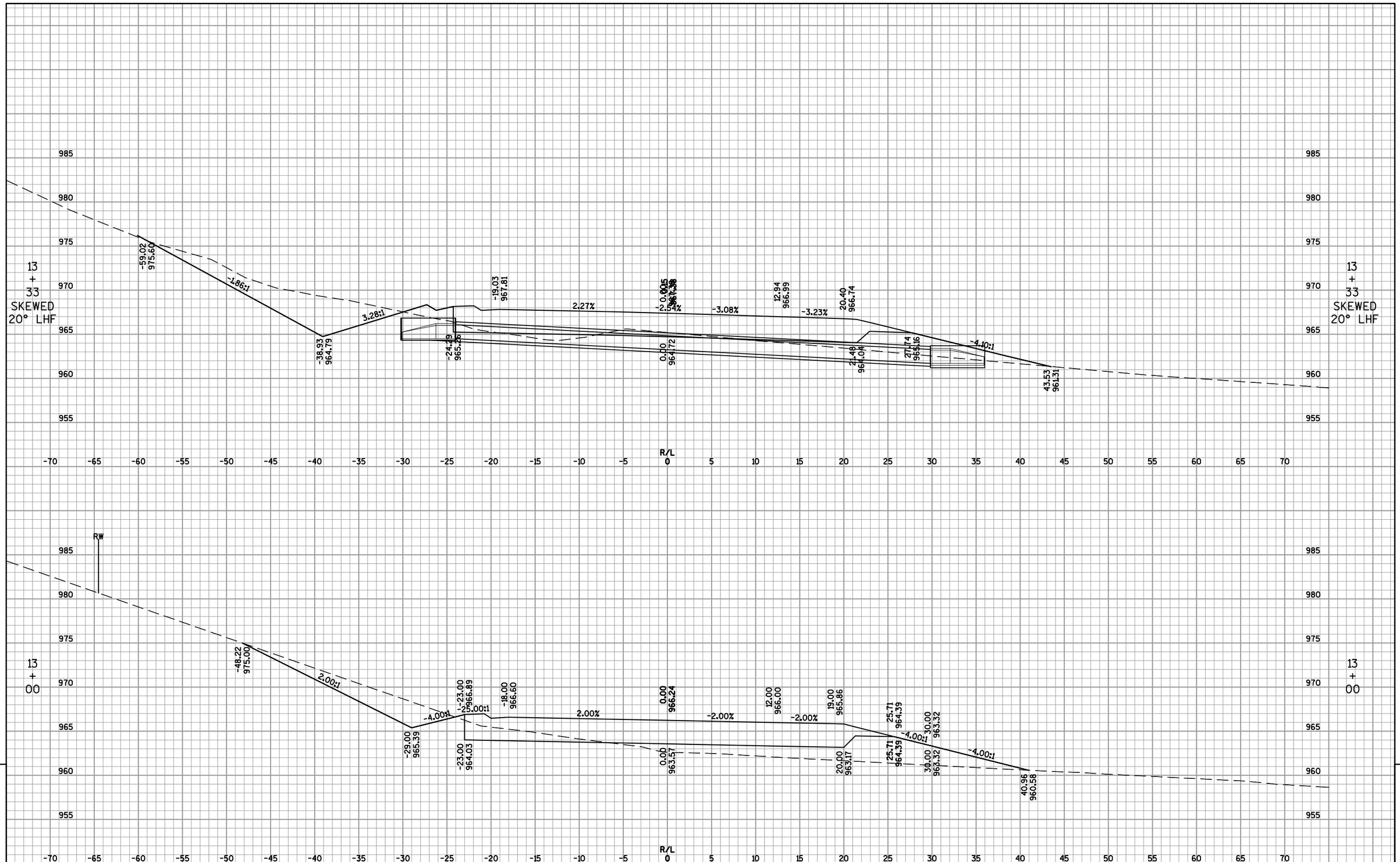
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 365	E



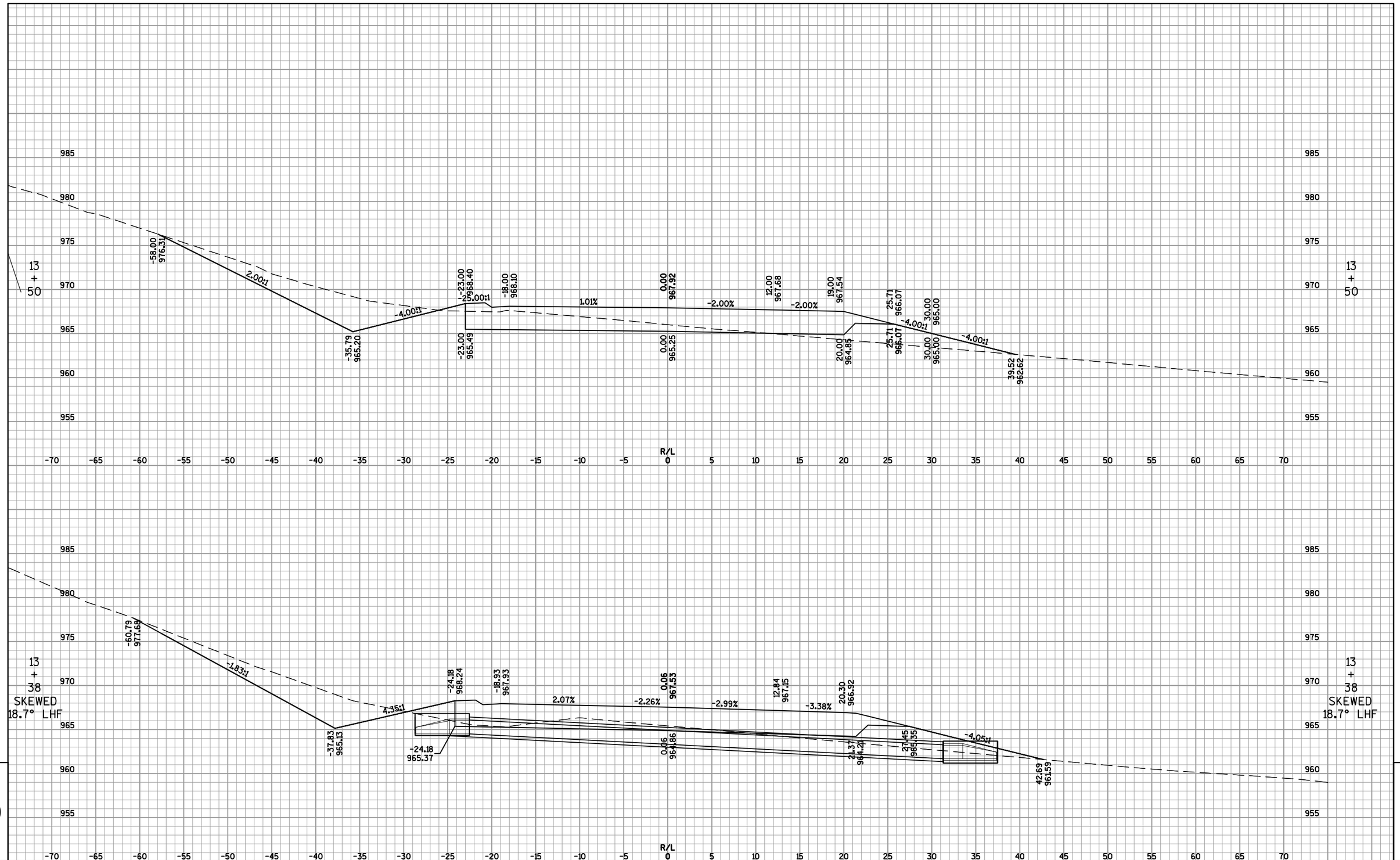
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 366	E



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 367	E



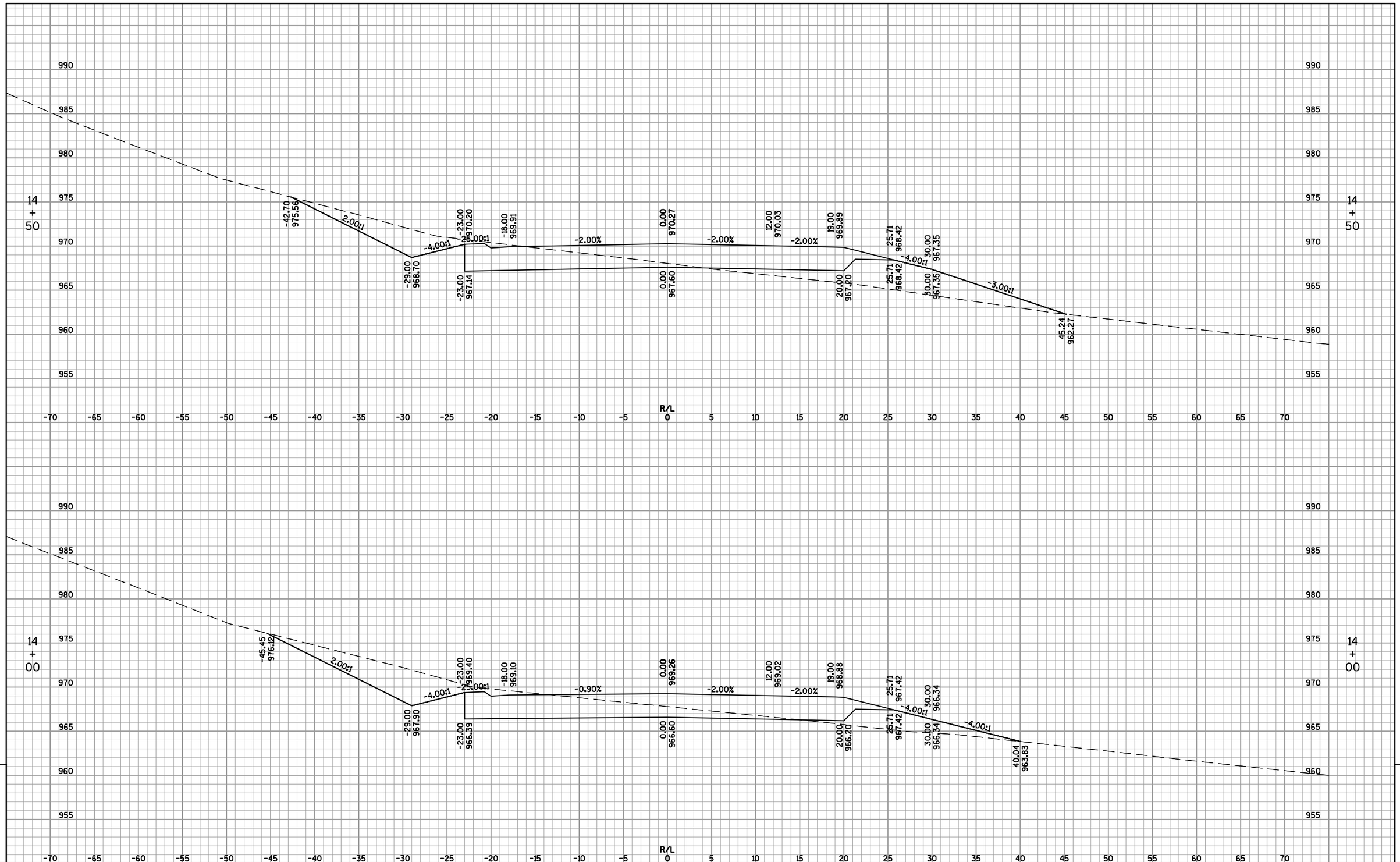
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 368	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090205_XS.DWG
41102671_090274_xs

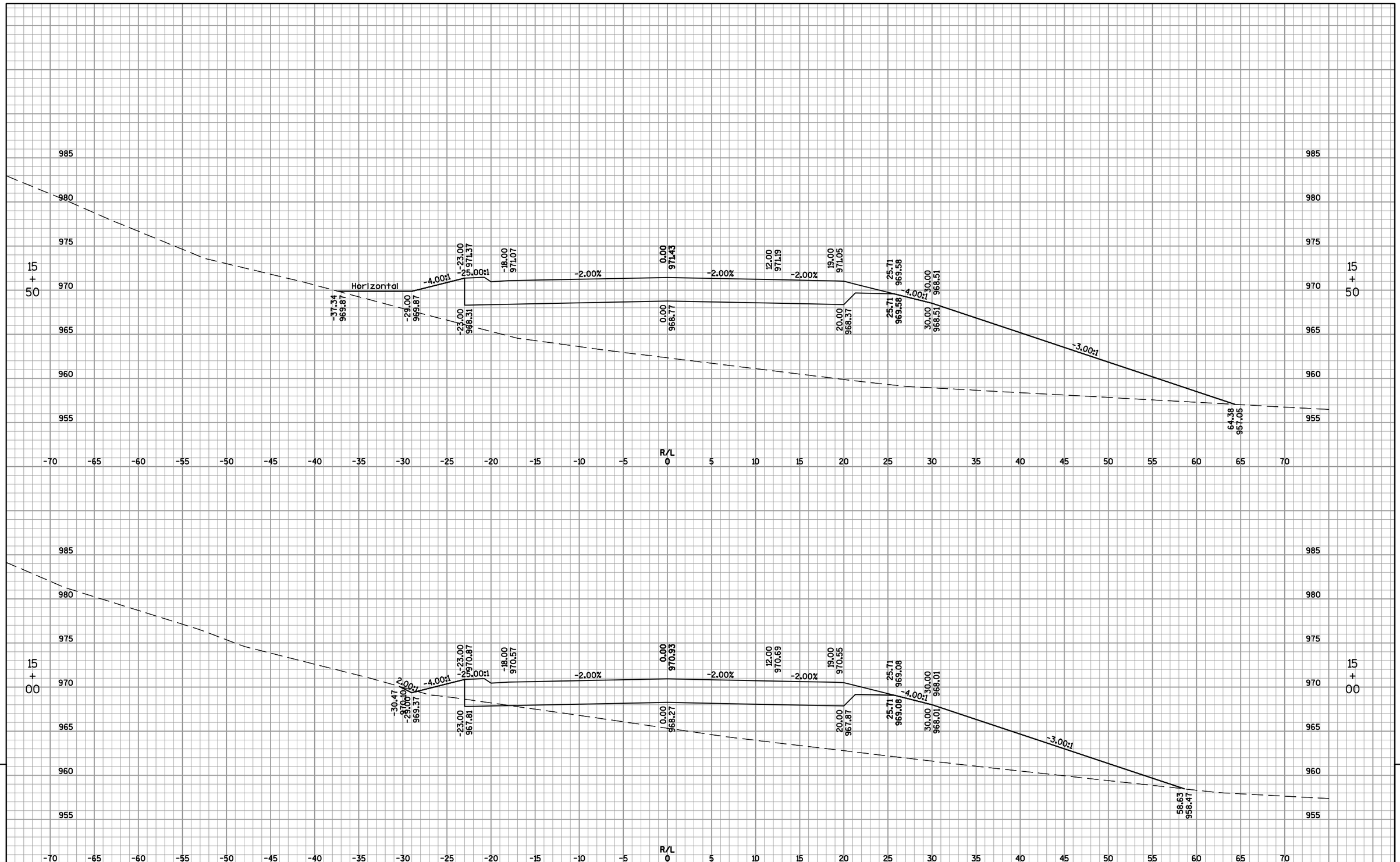
PLOT DATE : 12/1/2016 4:24 PM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49



PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 369 E



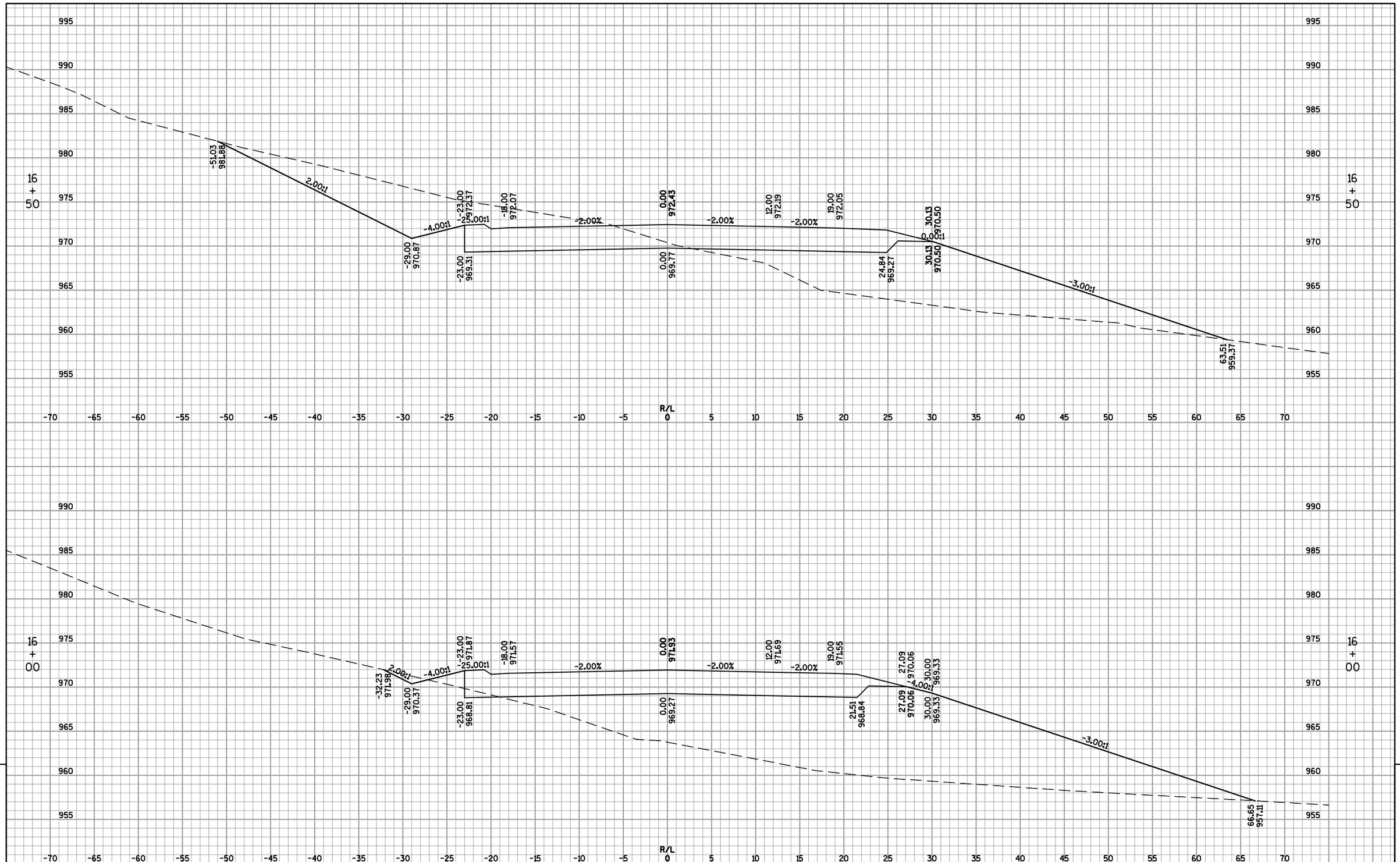
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FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090205_XS.DWG
41102671_090276_xs

PLOT DATE : 12/1/2016 2:15 PM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49



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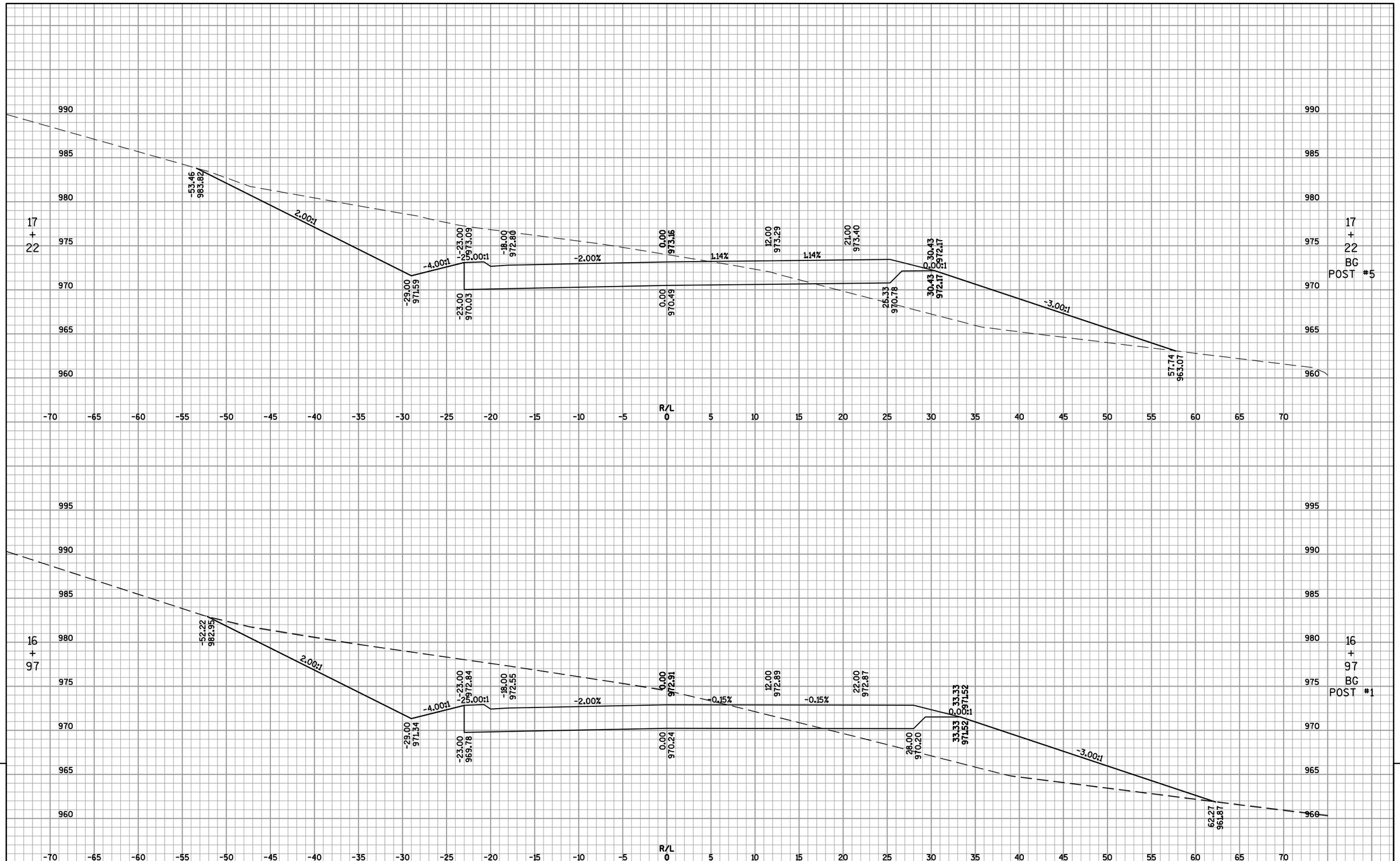
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 371	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090205_XS.DWG
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PLOT DATE : 12/1/2016 2:16 PM

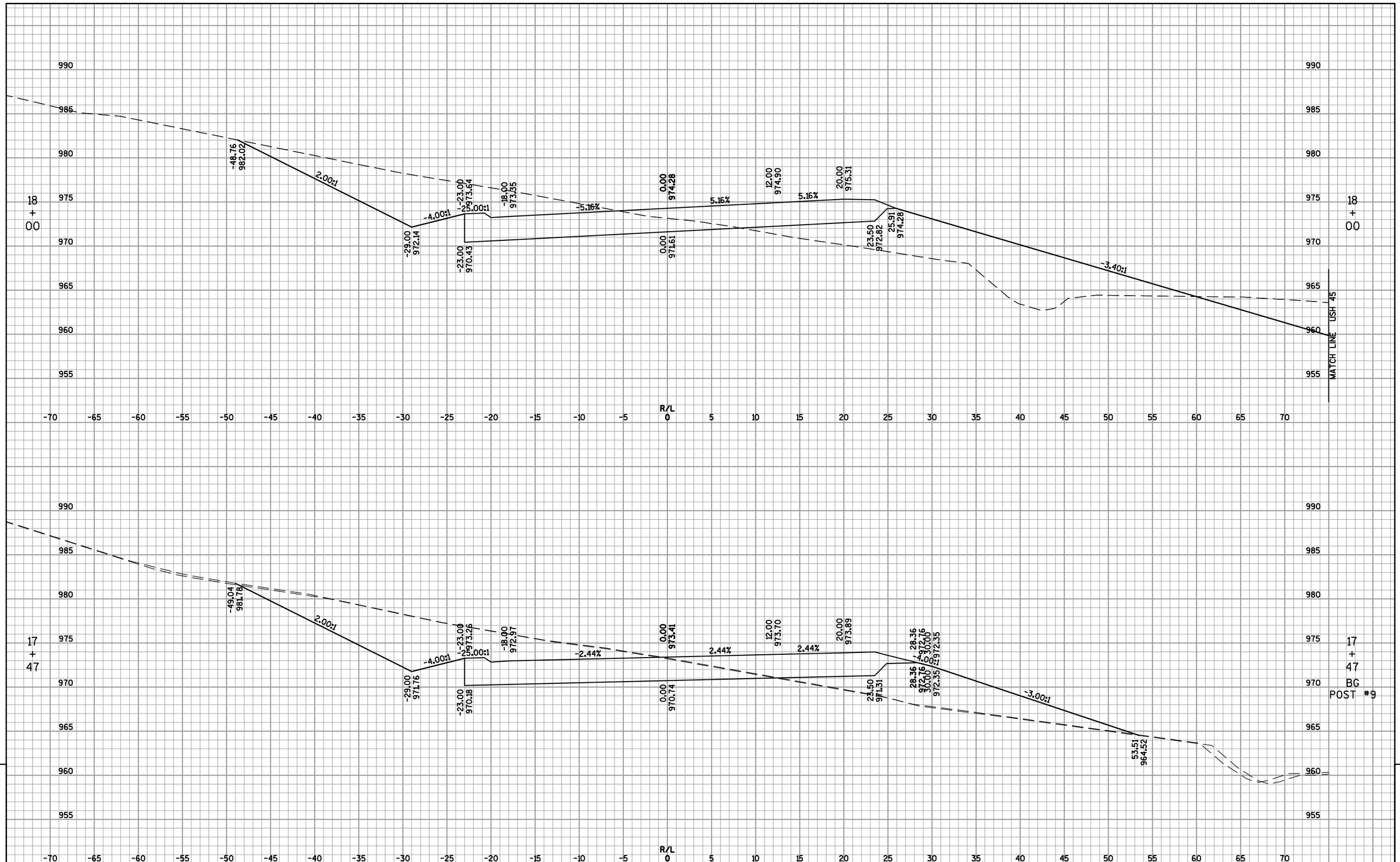
PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER



9 9

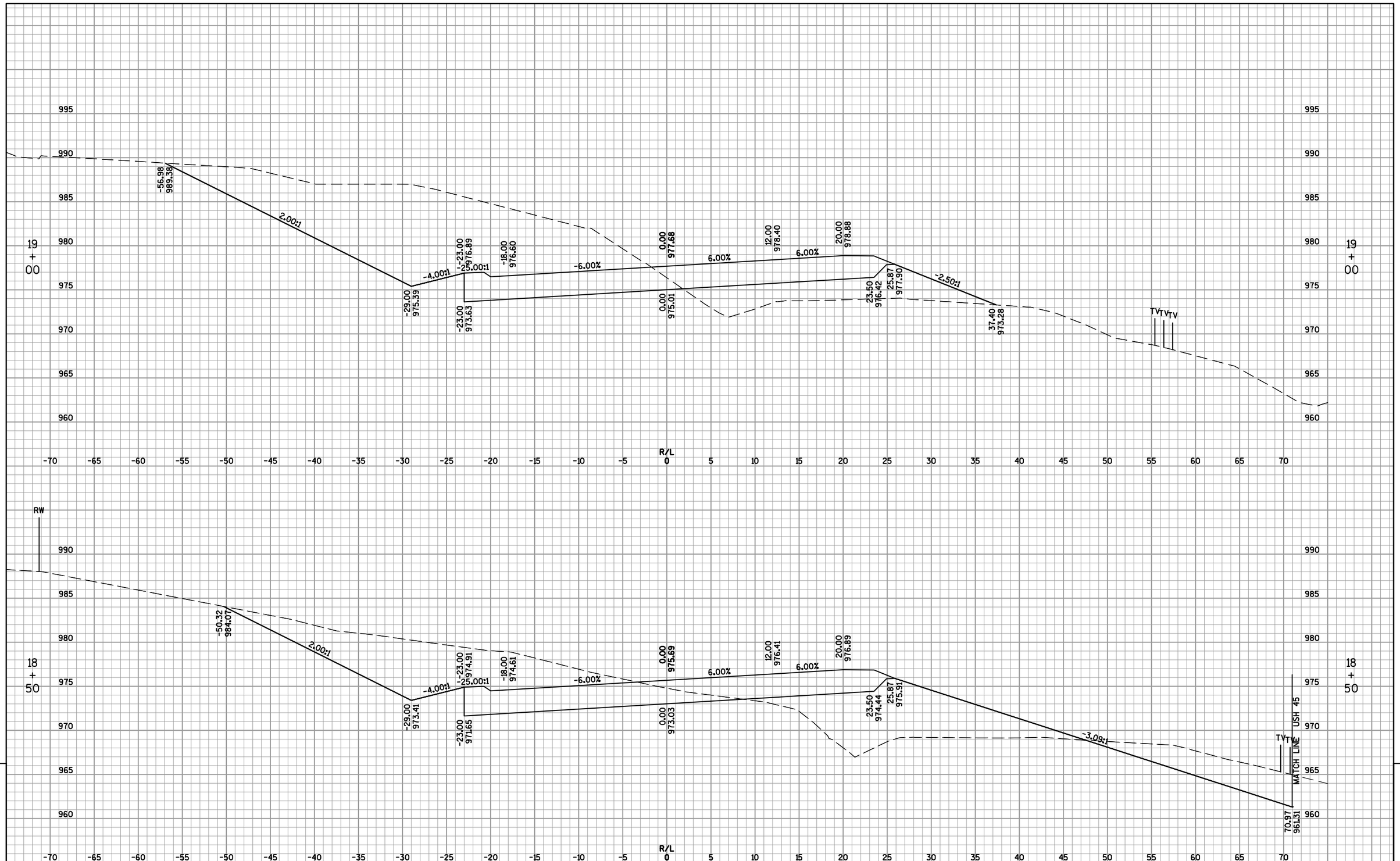
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 372	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090205_XS.DWG PLOT DATE : 8/24/2017 11:38 AM PLOT BY : OMNNI ASSOCIATES, INC - BRAD GREGORIUS



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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 373 E



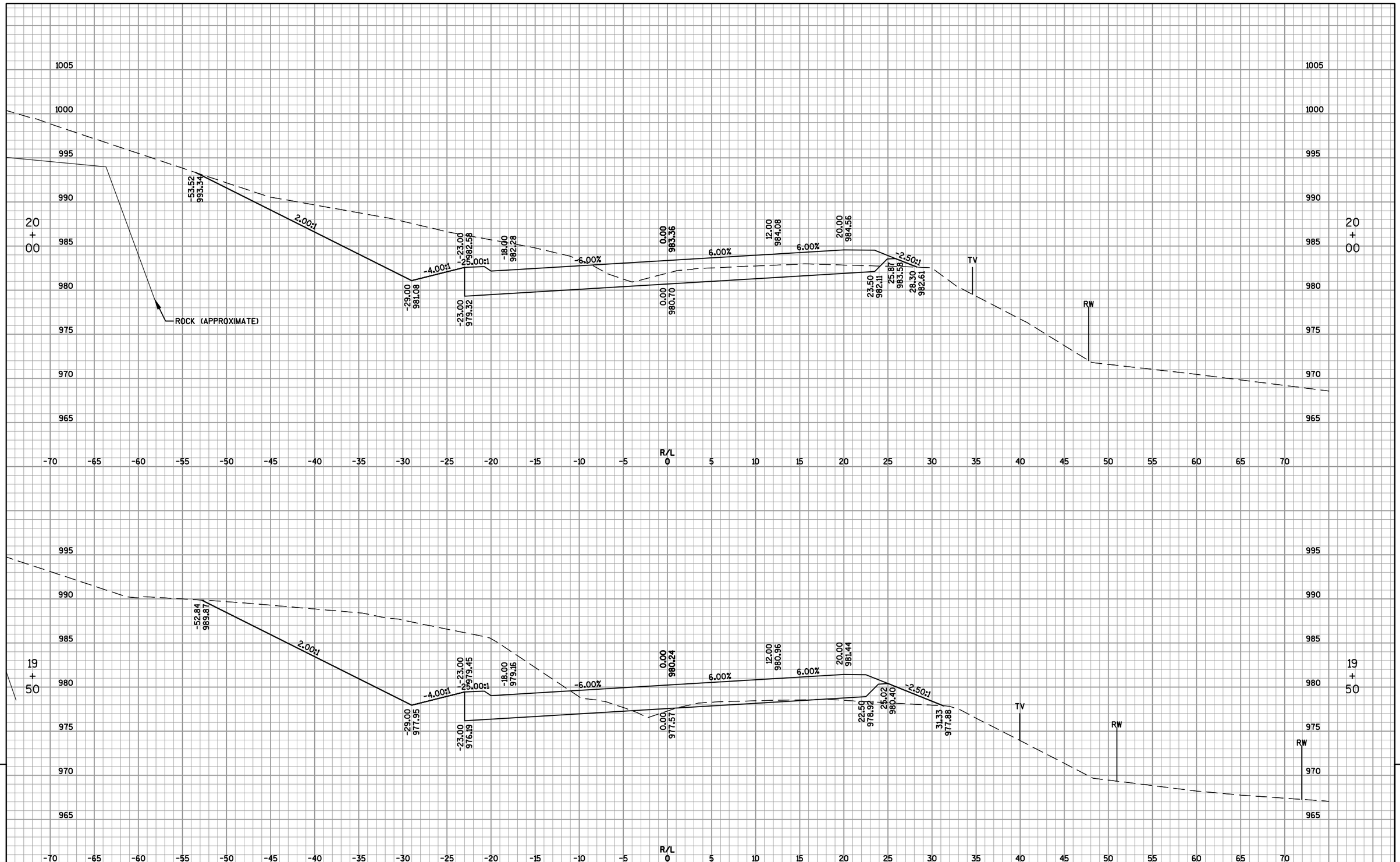
PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 374	E

FILE NAME : F:\TR\JOBS\E1991A11\CIVIL 3D RESURFACING AND EDEN\CIVIL 3D 2012\SHEETSPLAN\RESURFACE\41102671_090205_XS.DWG
41102671_090280_xs

PLOT DATE : 12/1/2016 2:18 PM

PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49



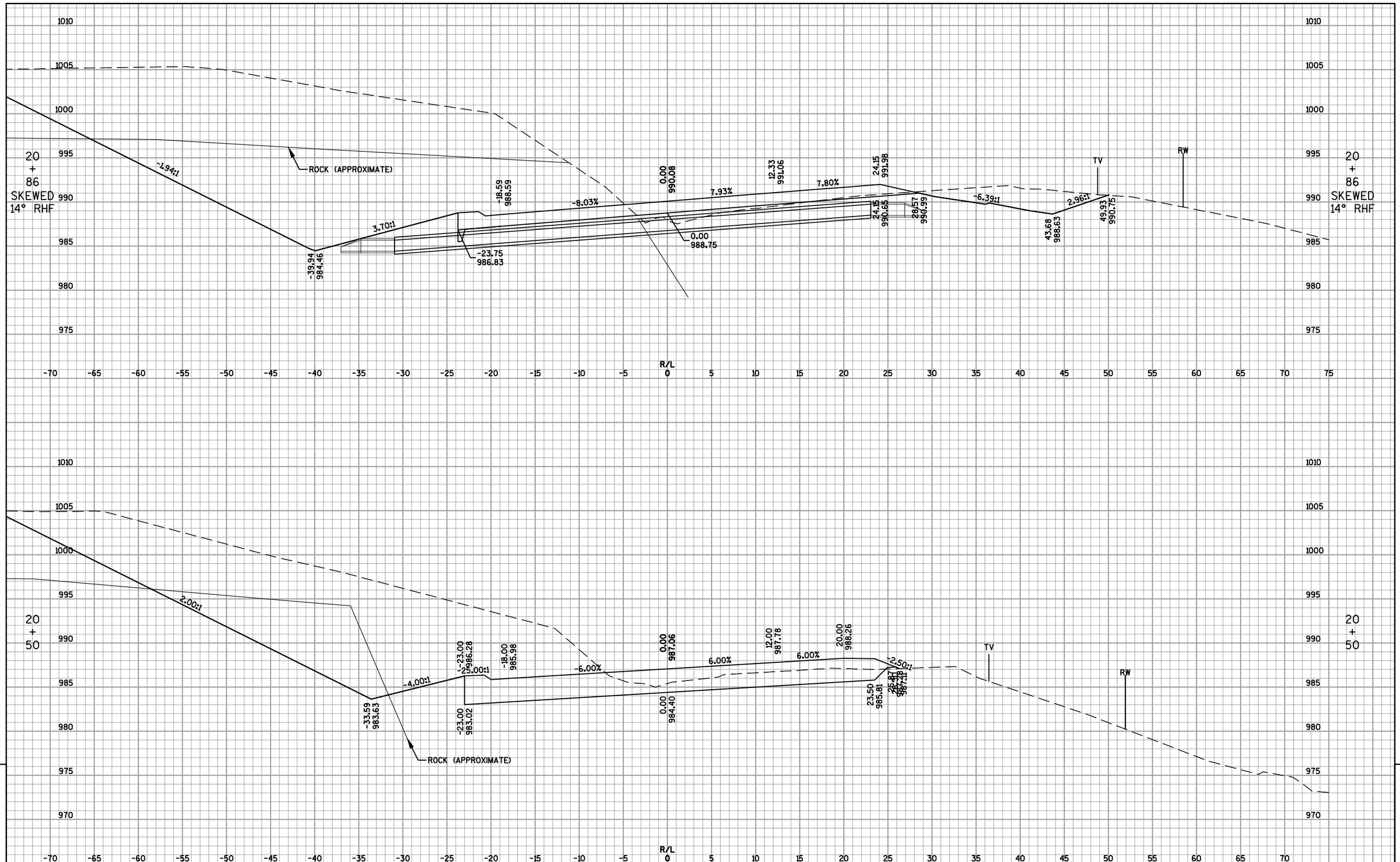
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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

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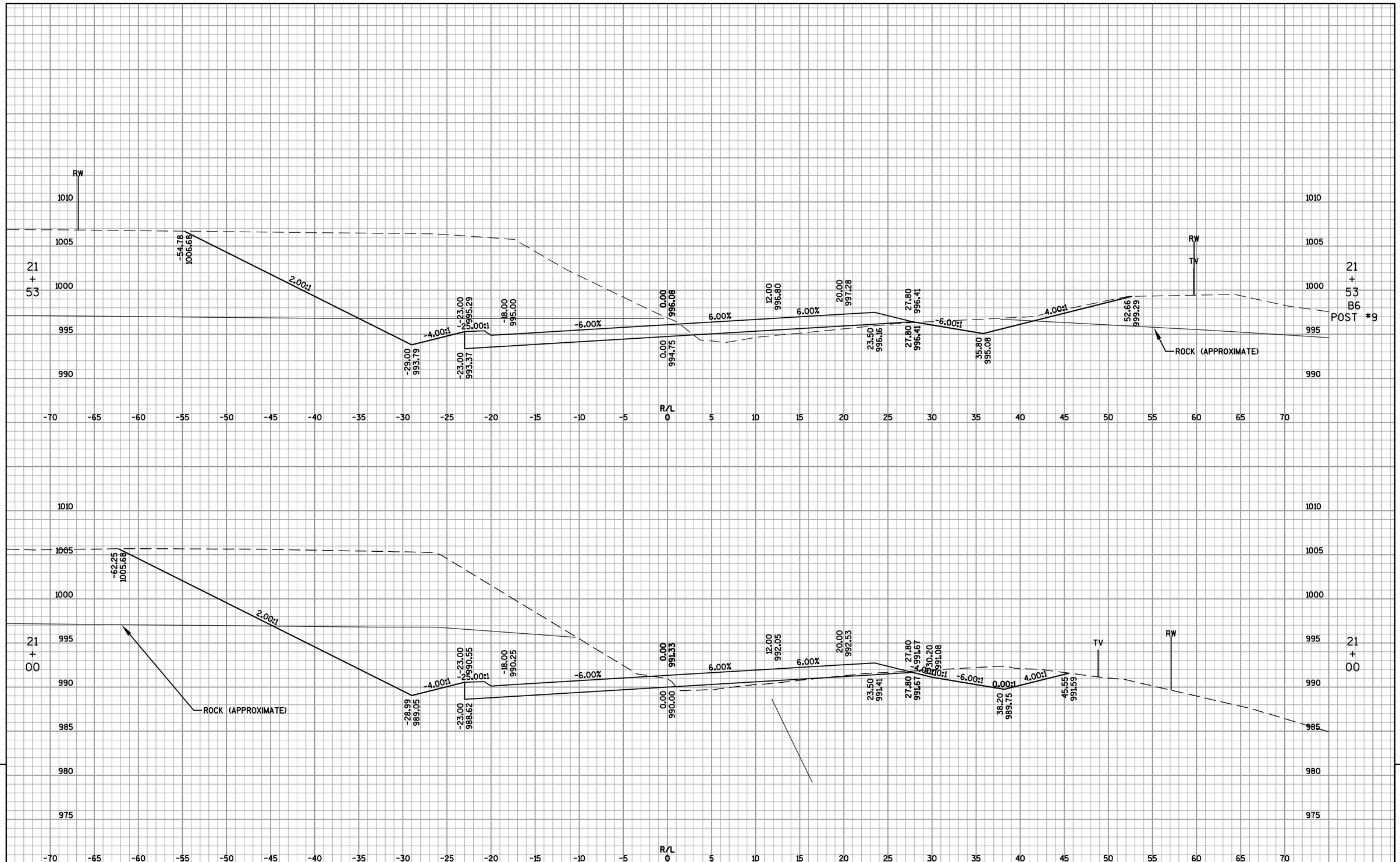
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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

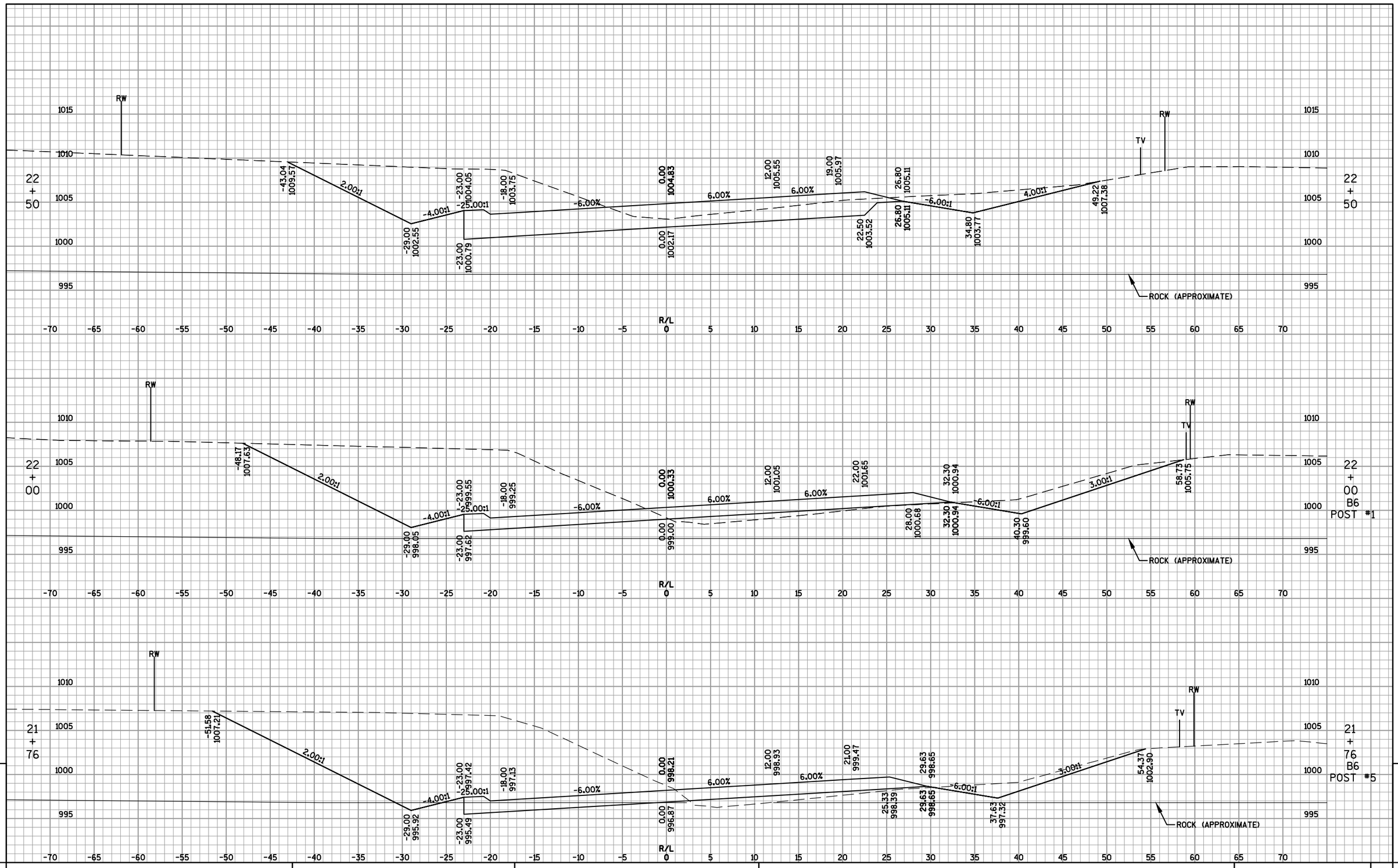
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WISDOT/CADDS SHEET 49



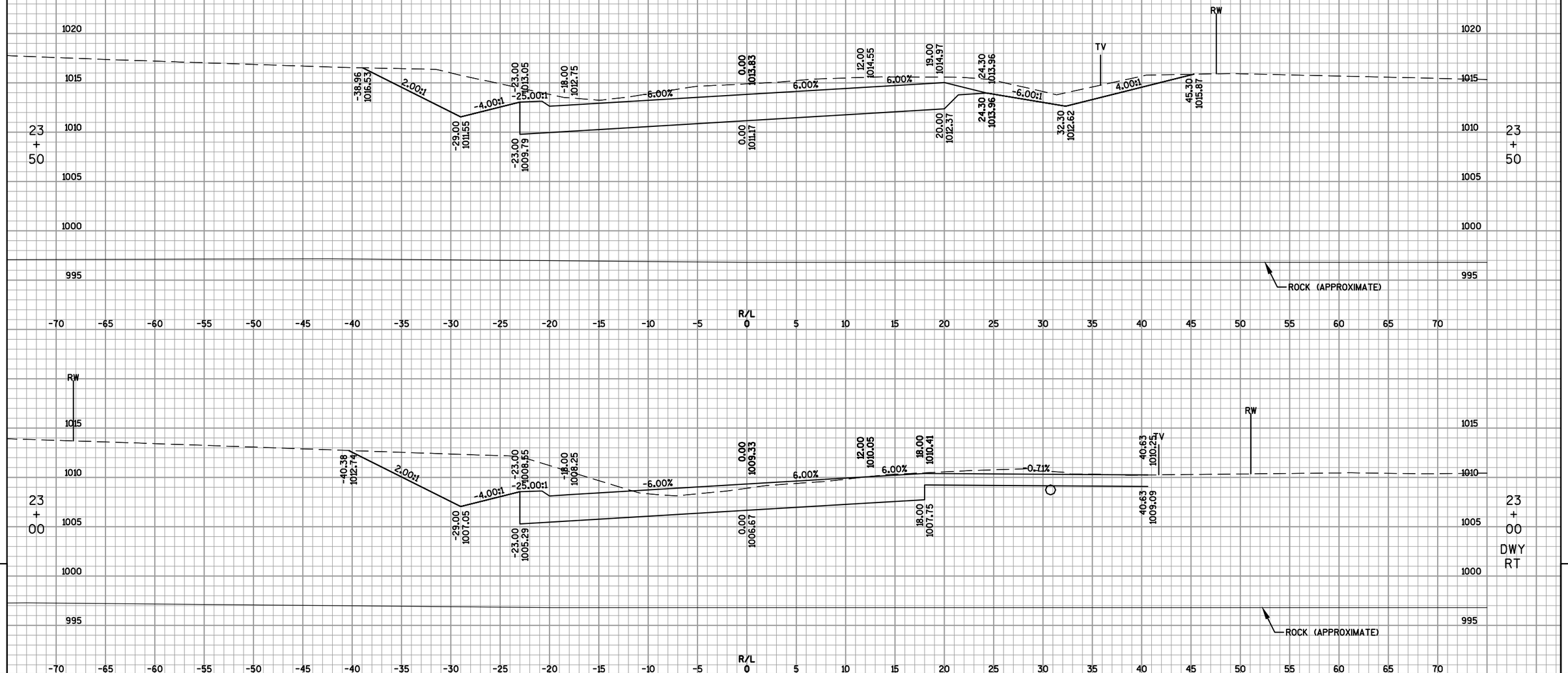
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PLOT BY : OMNNI ASSOCIATES, INC - BRAD GREGORIUS

WISDOT/CADDS SHEET 49



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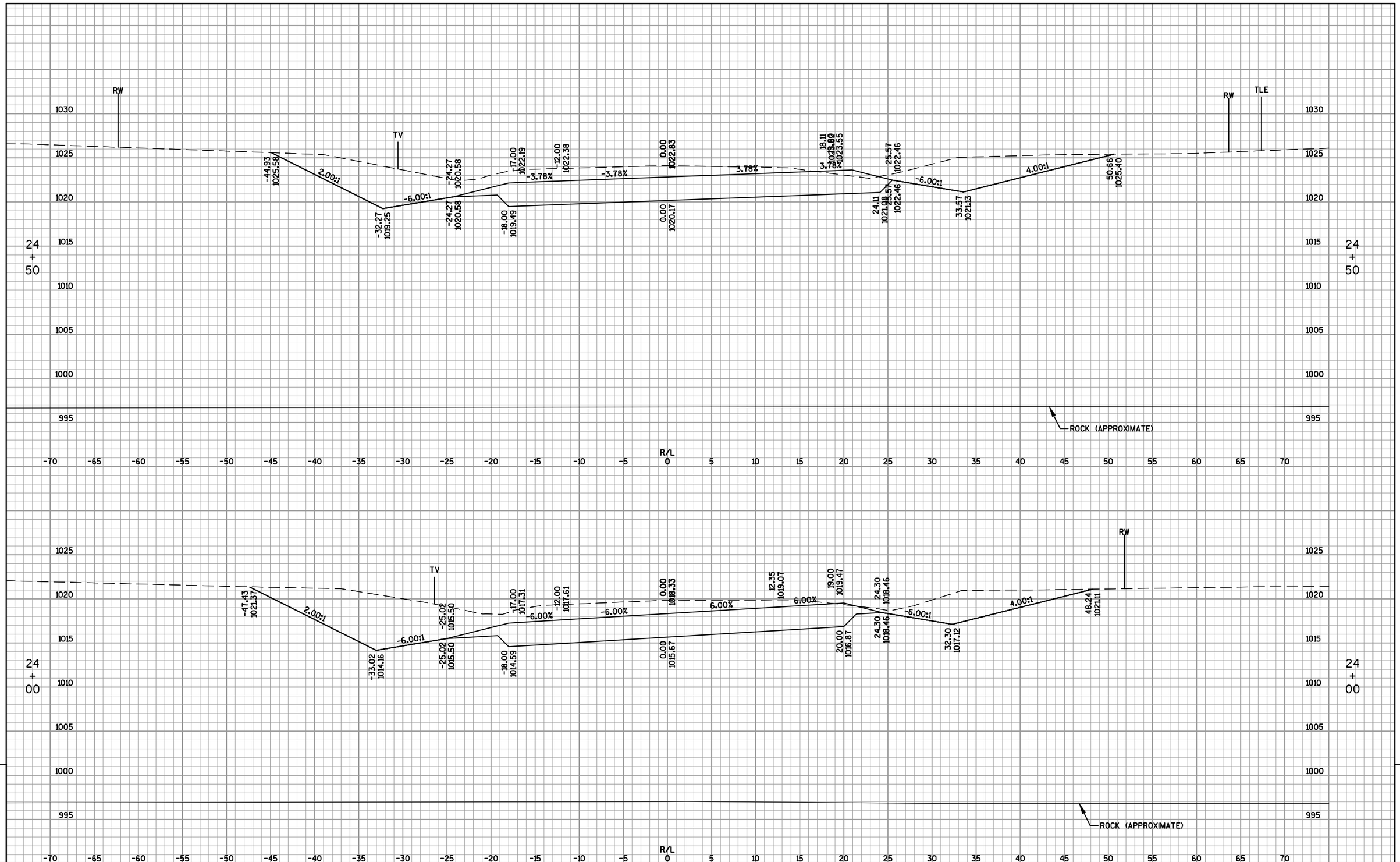
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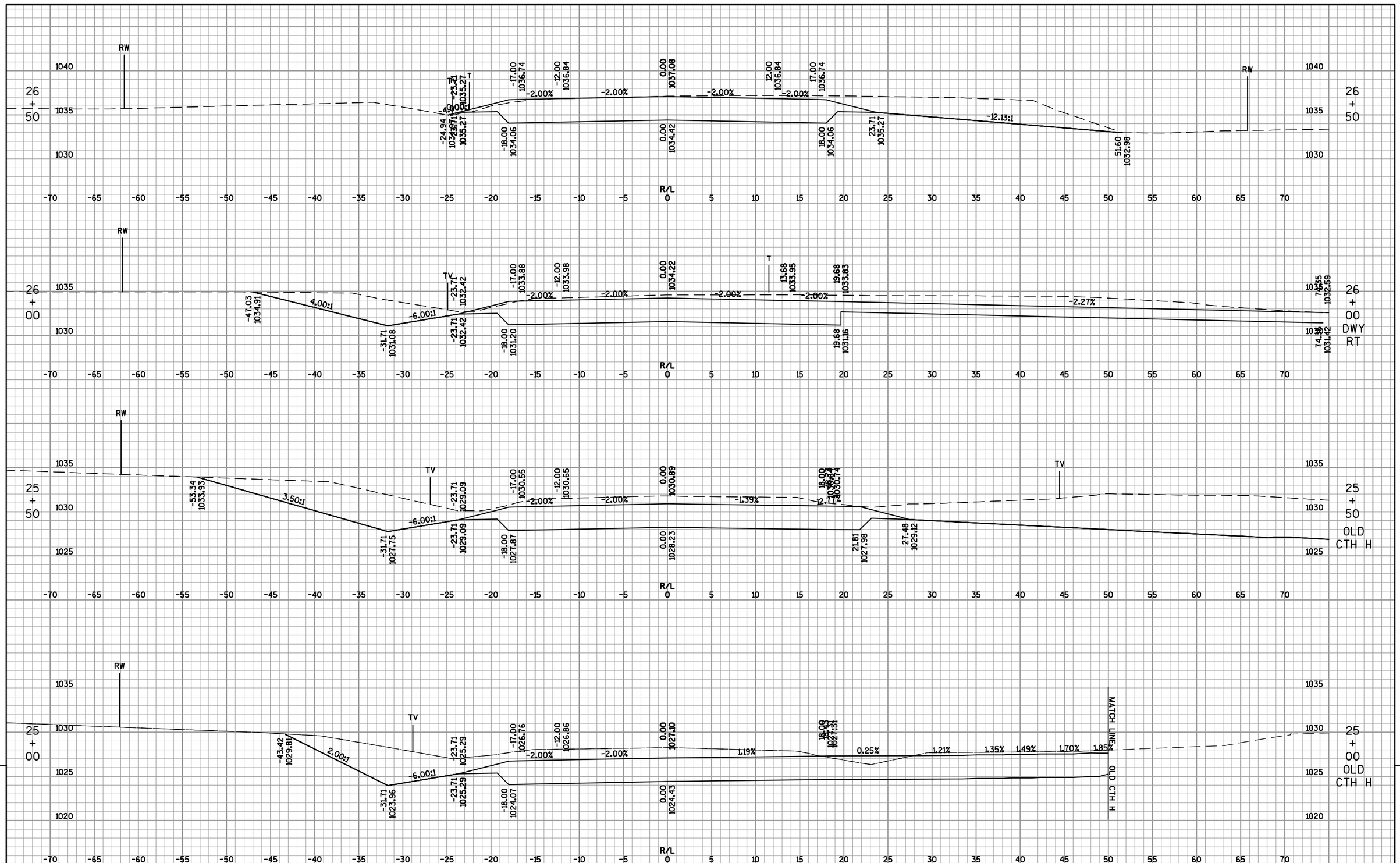
PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER

WISDOT/CADDS SHEET 49



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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER
WISDOT/CADDS SHEET 49

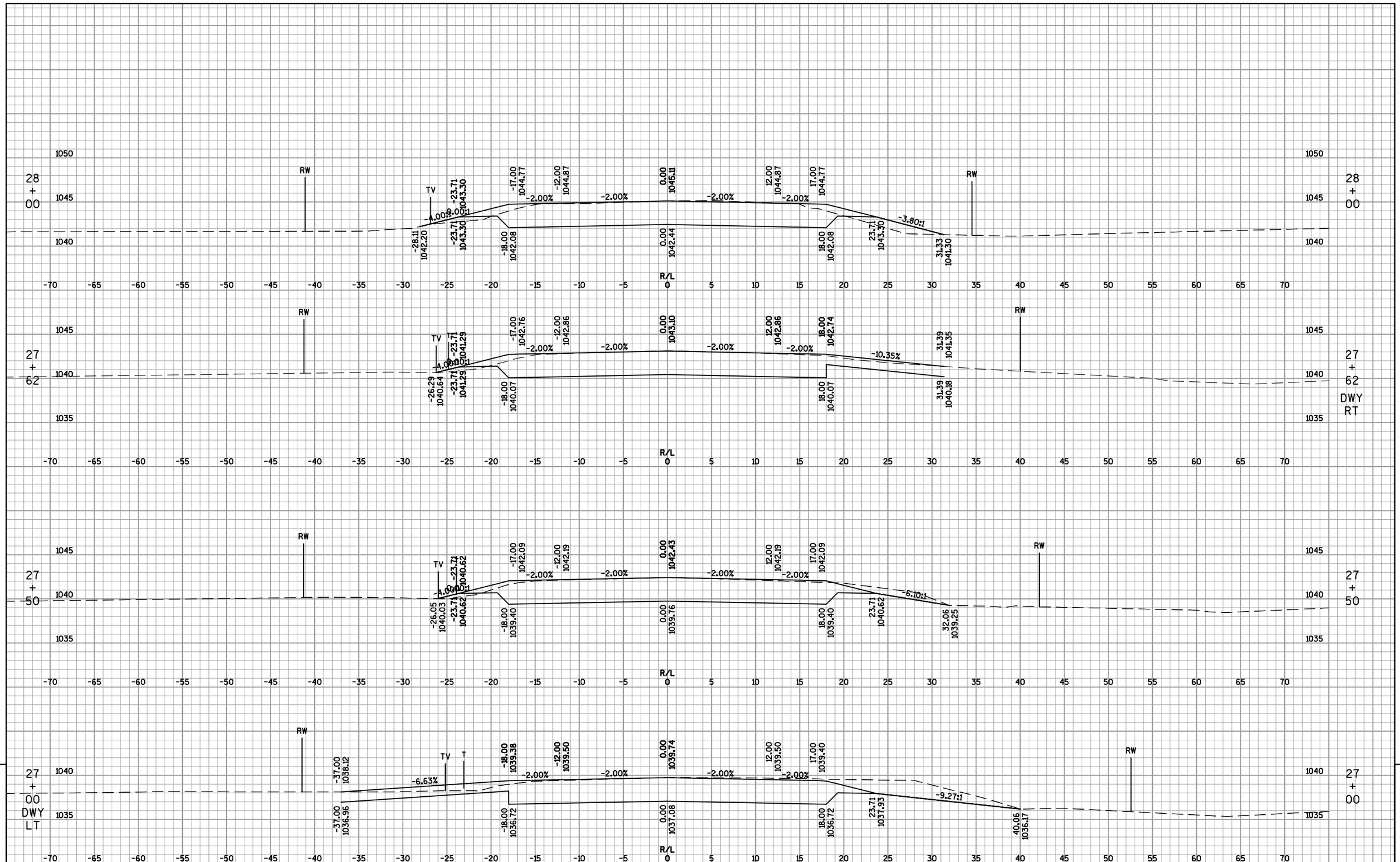


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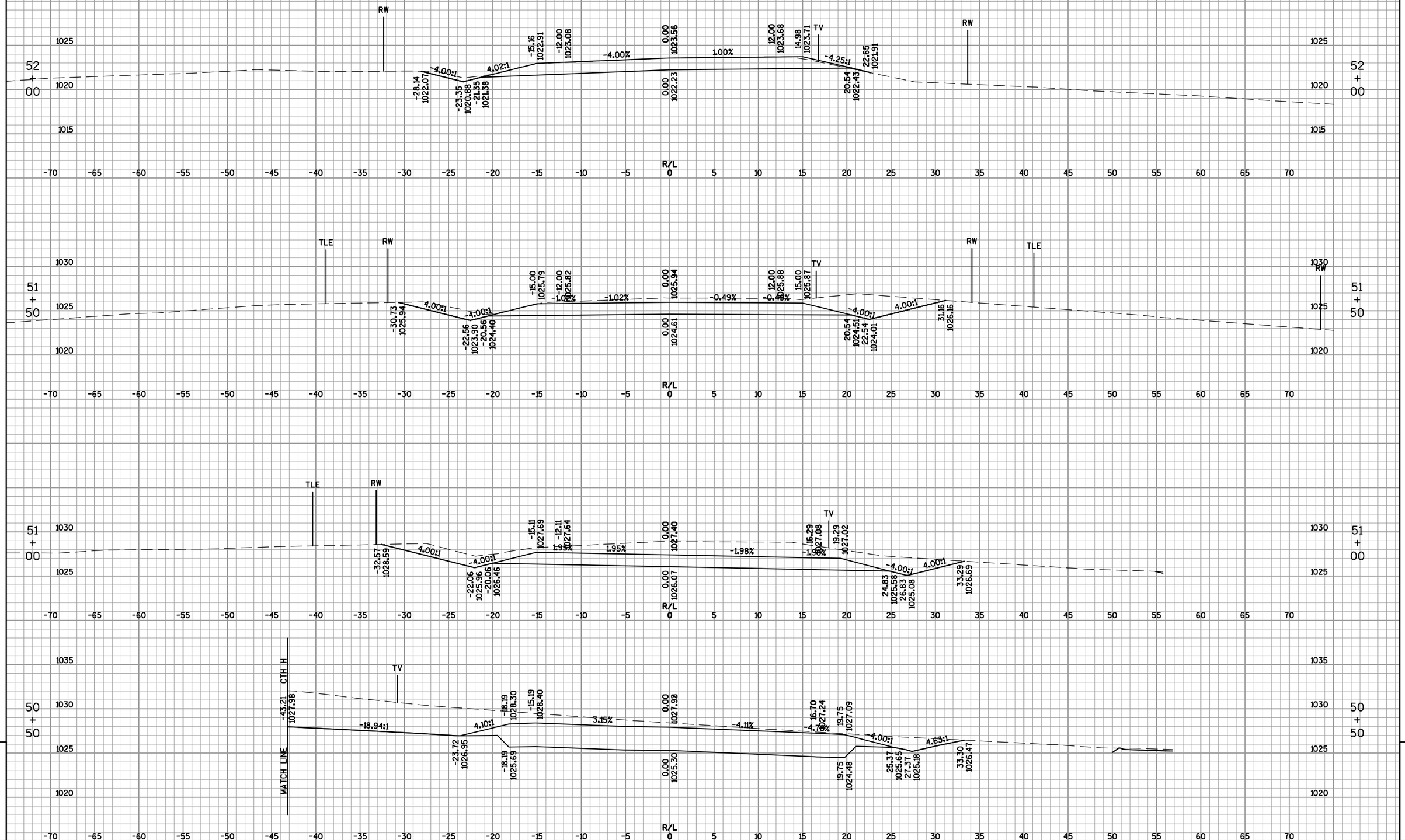
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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH H	SHEET 382	E

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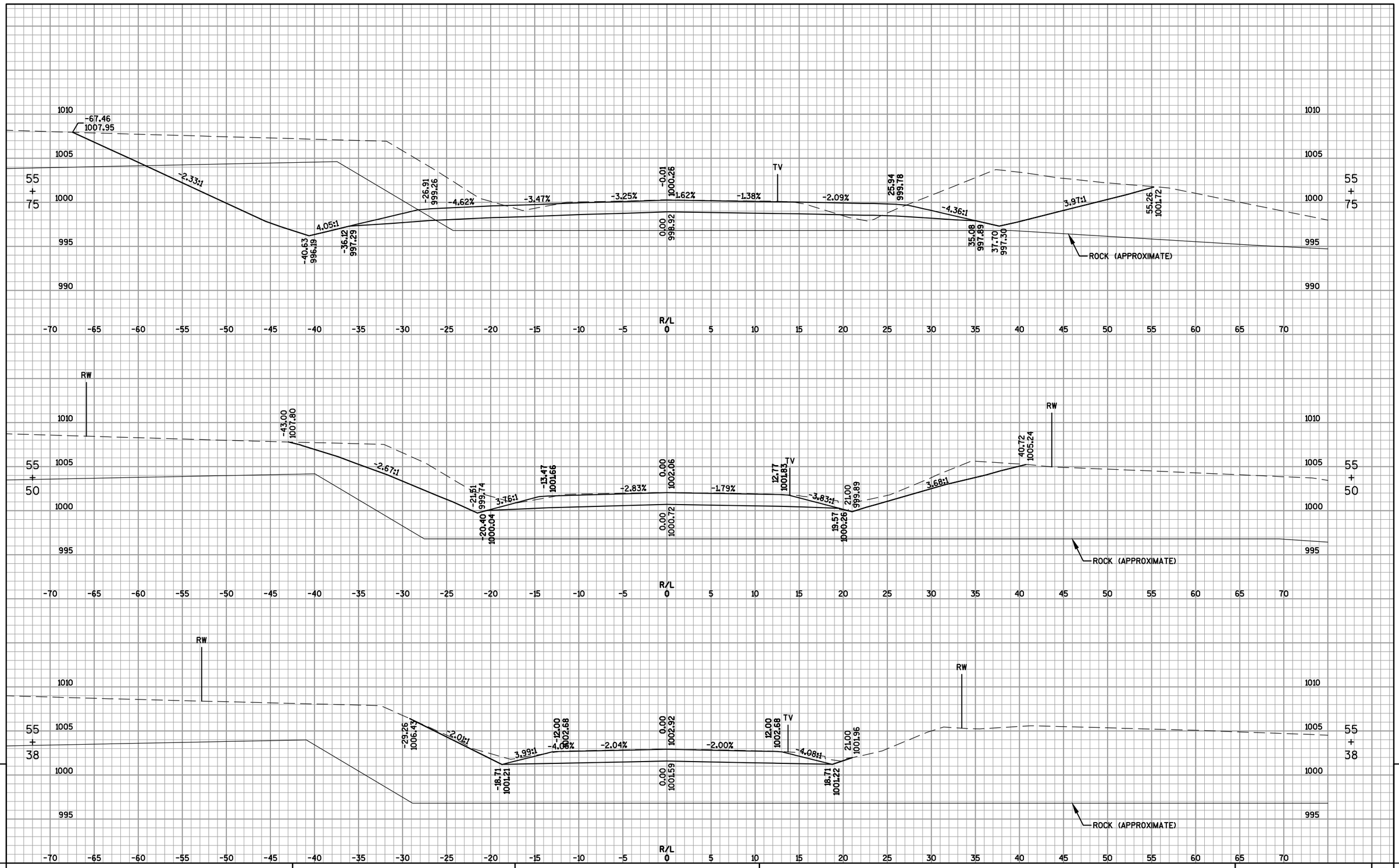


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WISDOT/CADDS SHEET 49

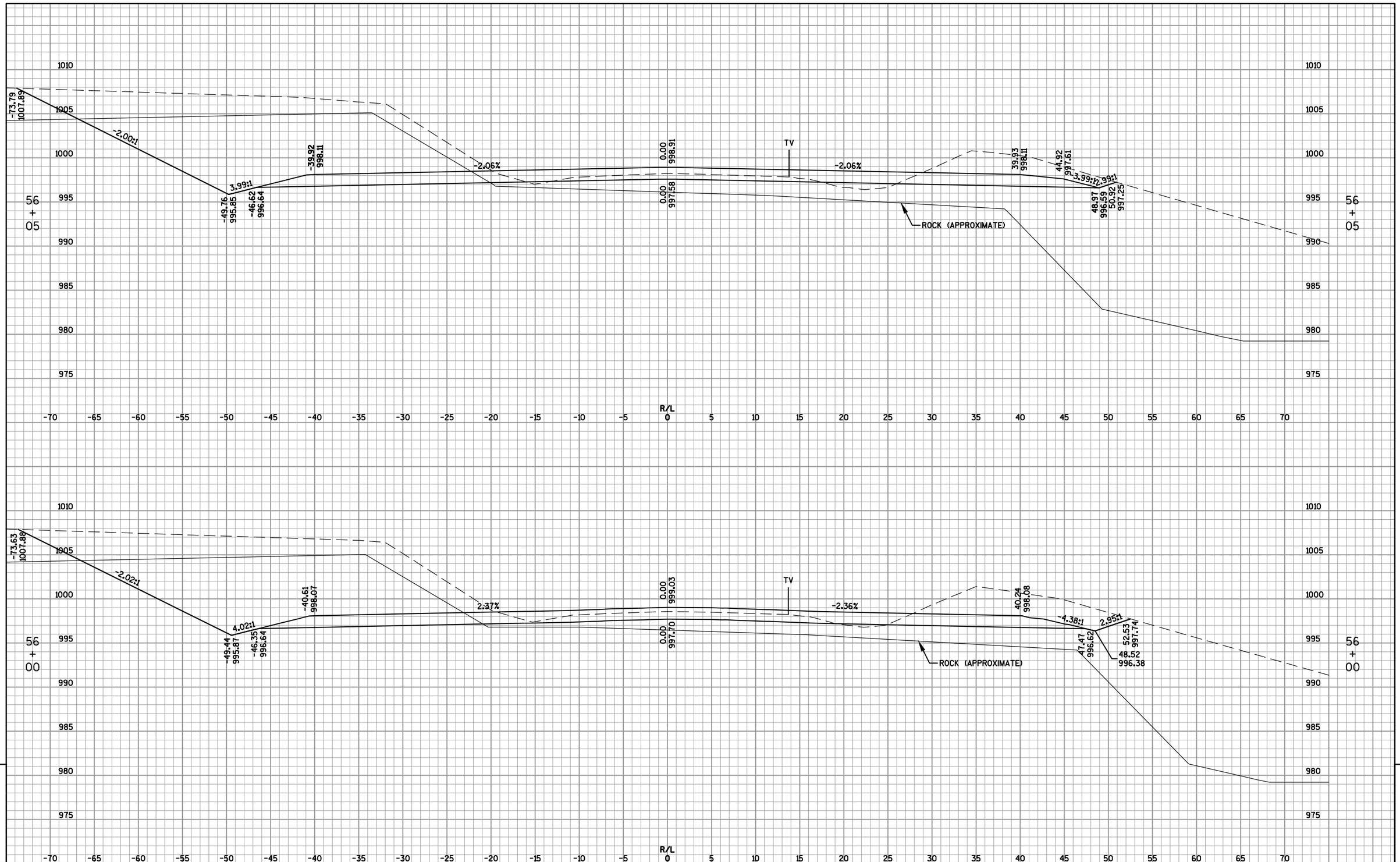


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PLOT BY : OMNNI ASSOCIATES, INC - RYAN BETKER
WISDOT/CADDS SHEET 49



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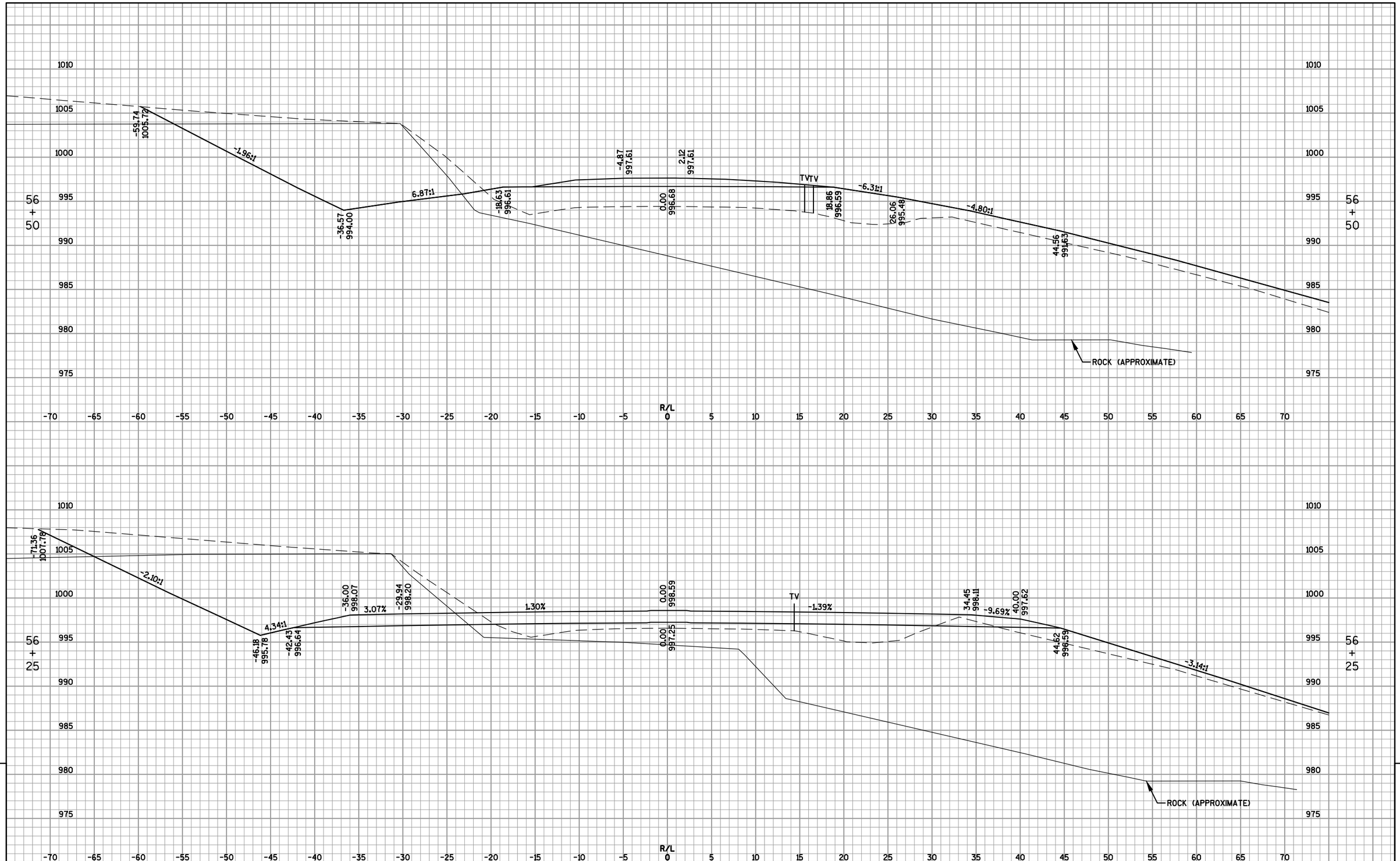
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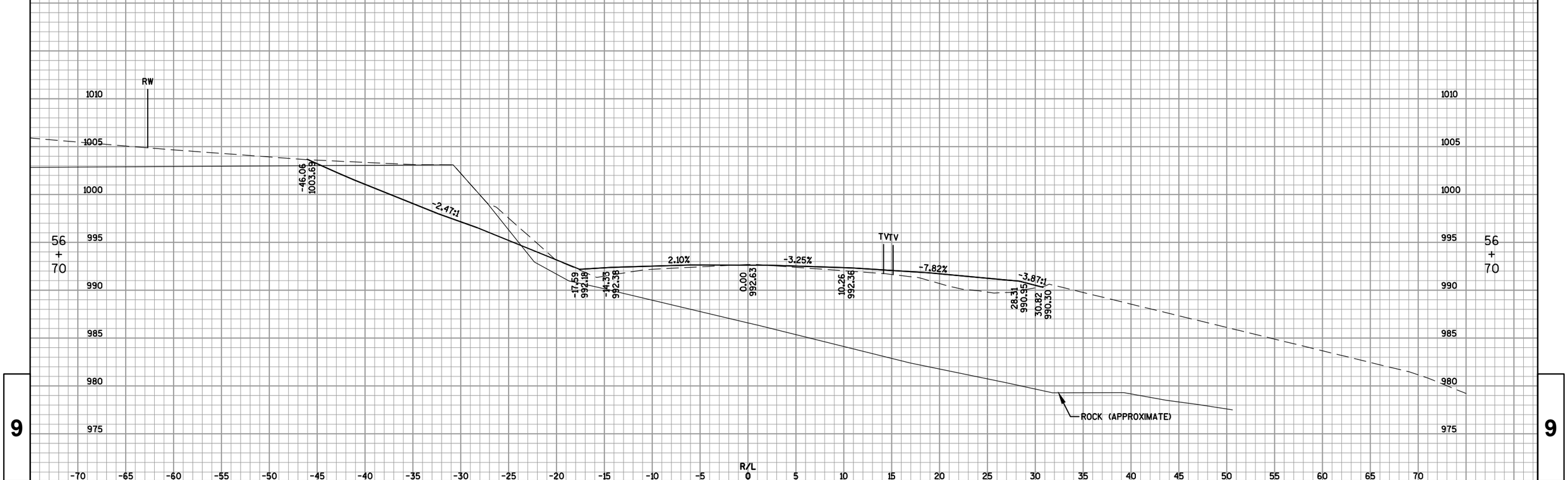
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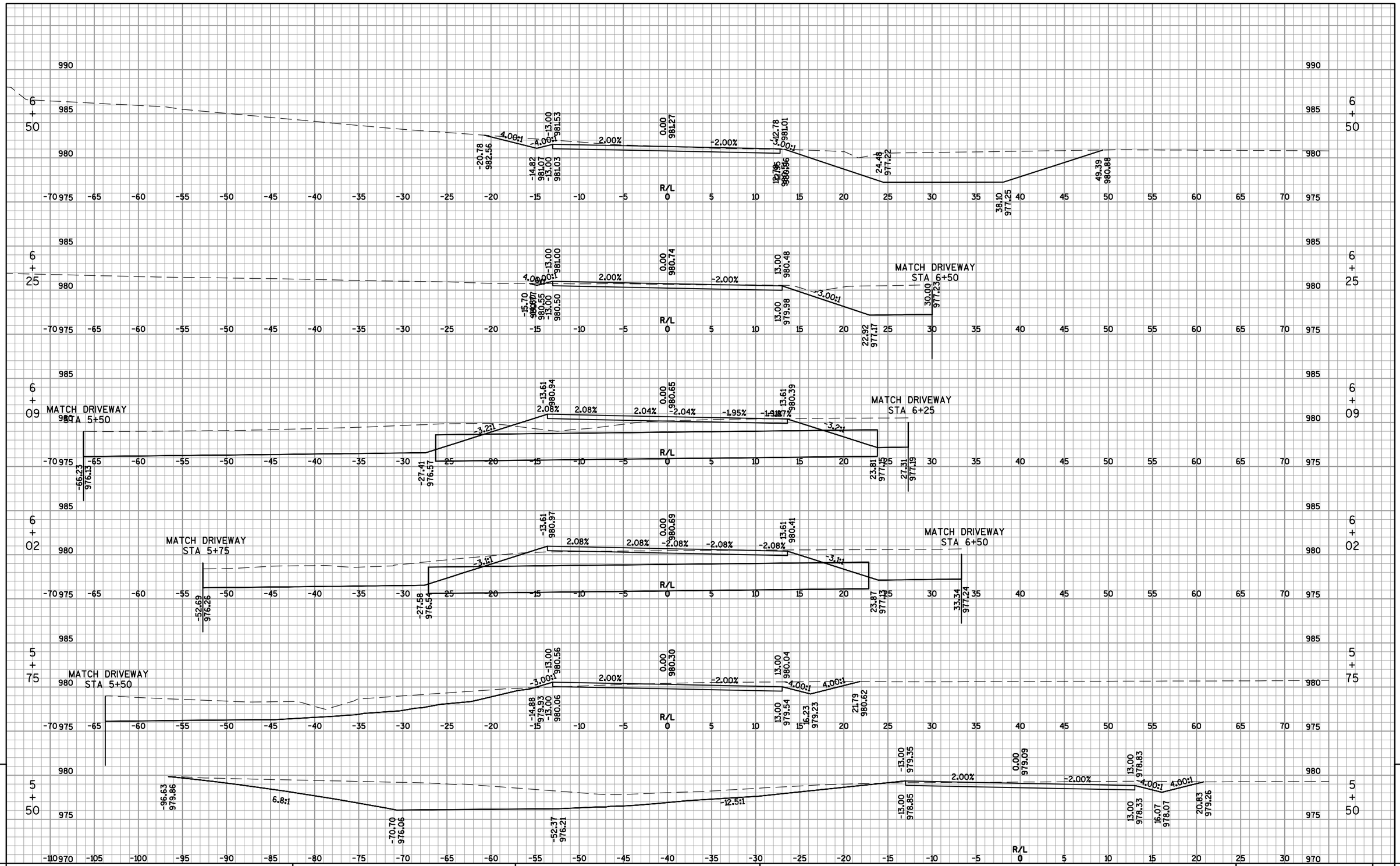
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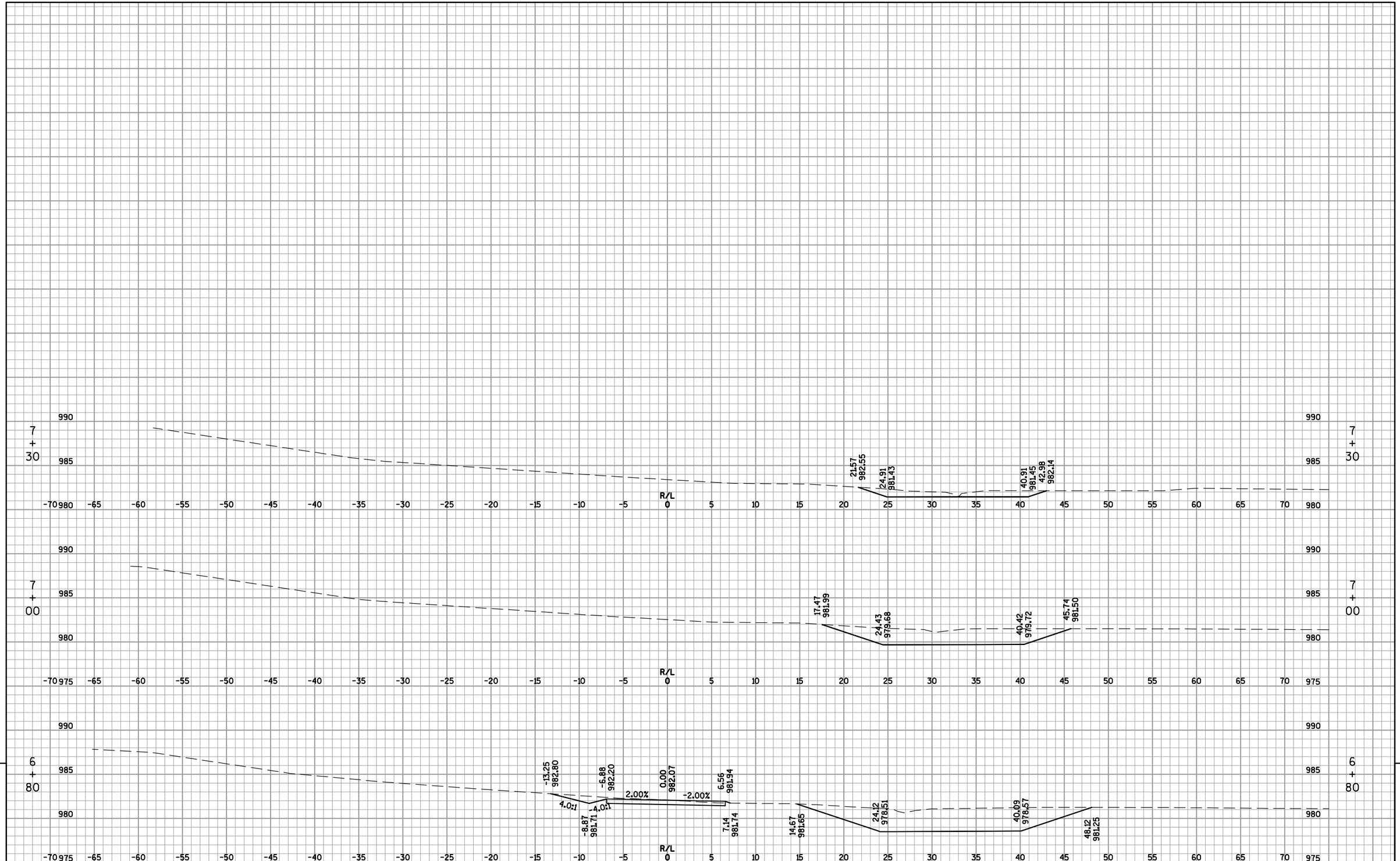
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PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: DRIVEWAY 192+03 RIGHT	SHEET 388	E



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9

PROJECT NO: 4110-26-71	HWY: USH 45	COUNTY: FOND DU LAC	CROSS SECTIONS: DRIVEWAY 192+03 RIGHT	SHEET 389	E

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PLOT DATE : 12/1/2016 4:35 PM

PLOT BY : OMNNI ASSOCIATES, INC - CRAIG KNUTH

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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