EAU MAY 2015 FEDERAL PROJECT STATE PROJECT STATE OF WISCONSIN PROJECT CONTRACT ORDER OF SHEETS WISC 2015304 PROJE 8620-07-73 Section No. 1 Title DEPARTMENT OF TRANSPORTATION Section No. 2 Typical Sections and Details Estimate of Quantities Miscellaneous Ouantities PLAN OF PROPOSED IMPROVEMENT Right of Way Plat 5 Plan and Profile Section No. 5 Standard Detail Drawings Section No. 6 00 BLOOMER BRUCE Sign Plates () Section No. 9 Computer Earthwork Data STH 64/CTH F WEST JCT INTERSECTION 0-0 Section No. 9 Cross Sections **STH 40** TOTAL SHEETS = 118 **CHIPPEWA COUNTY** STATE PROJECT NUMBER END PROJECT 8620-07-73 8620-07-73 STA. 32+00 CTH F R-9-W 220TH AVE 215TH AVE BEGIN PROJECT 8620-07-73 BEGIN CONSTRUCTION STH 64 STA. 8+37 STH 64 STA. 20+98.56 CTH F 210 AVE X = 146635.7632X = 146798.3596210TH AVE Y = 196688.3883Y = 196664.6378END CONSTRUCTION STH 64 DESIGN DESIGNATION STA. 15+37 STH 40/64 A.A.D.T. 2014 = 2200 A.A.D.T. 2034 = 2500 T-31-N D.H.V. = 9.9 = 62/38 D.D. = 12.3% DESIGN SPEED = 55 MPH ESALS = 226,300 190TH AVE CONVENTIONAL SYMBOLS PROFILE PLAN U GRADE LINE ComoCORPORATE LIMITS ORIGINAL GROUND AVE PROPERTY LINE U MARSH OR ROCK PROFILE LOT LINE (To be noted as such) GGSPECIAL DITCH LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY STATE OF WISCONSIN 180TH GRADE ELEVATION DEPARTMENT OF TRANSPORTATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT PREPARED BY UTILITIES 175TH AVE Surveyor REFERENCE LINE ELECTRIC MOHAMED A MOUNIR Designer EXISTING CULVERT -----FIBER OPTIC Project Manager PROPOSED CULVERT DANIEL OJIBWAY Regional Examiner ___ (Box or Pipe) SANITARY SEWER TIMOTHY MASON COMBUSTIBLE FLUIDS LAYOUT STORM SEWER TELEPHONE WATER MARSH AREA HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY UTILITY PEDESTAL Д COORDINATES, CHIPPEWA COUNTY, NAD83 (2008), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID TOTAL NET LENGTH OF CENTERLINE = 0.204 MI. CTH F POWER POLE Ō DISTANCES, GRID DISTANCES MAY BE USED AS GROUND DISTANCES. E WOODED OR SHRUB AREA TELEPHONE POLE PLOT DATE : 1/29/2015 2:09 PM PLOT BY : MOUNIR, MOHAMED A PLOT NAME : FILE NAME :N:\PDS\C3D\86200703\SHEETSPLAN\010101_TI.DWG WISDOT/CADDS SHEET 10 LAYOUT NAME - 010101_TI - 01

LIST OF STANDARD ABBREVIATIONS

ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT (FLAG OF CURB) UNLESS OTHERWISE NOTED.

REMOVE ASPHALTIC SURFACE TO THE NEAREST JOINT OR A SAWED EDGE AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE OR SUBBASE ARE MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

RESHAPE AND SEED ANY PREVIOUSLY GRASSED AREAS THAT ARE DISTURBED BY OPERATIONS OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

MULCH ALL SEED AND FERTILIZED AREAS. IN THE PERFORMANCE OF THE WORK UNDER THE ITEM MULCHING AS DIRECTED BY THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON OTHER PLAN SHEETS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.

LOCATIONS OF PAVEMENT MARKINGS AND PERMANENT SIGNING IN THE FIELD ARE DETERMINED BY THE MUTCD & WISCONSIN SUPPLEMENT AND STANDARD DETAIL DRAWINGS. STATION AND OFFSETS PROVIDED IN THE MISCELLANEOUS QUANTITIES OR PLAN SHEETS ARE ONLY PROVIDED FOR APPROXIMATE LOCATING AND CONTRACT ADMINISTRATION. INSTALL W14-3 SIGNS AFTER LOCATING NO-PASSING ZONES IS COMPLETE.

DESIGN CONTACT

8620-07-03,73 ROADWAY DESIGN WISCONSIN DEPT. OF TRANSPORTATION NW REGION - EAU CLAIRE OFFICE 718 W. CLAIREMONT AVENUE EAU CLAIRE, WI 54701 715-836-2891

COUNTY CONTACTS

CHIPPEWA COUNTY HIGHWAY COMMISSIONER BRUCE STELZNER 801 EAST GRAND AVENUE CHIPPEWA FALLS, WI 54729 715-726-7914 bstelzner@co.chippewa.wi.us

ENVIRONMENTAL CONTACTS

DEPT. OF NATURAL RESOURCES WISCONSIN DNR WEST CENTRAL REGION CHRIS WILLGER ENVIRONMENTAL ANALYSIS AND REVIEW SPECIALIST 1300 W. CLAIREMONT AVENUE PO BOX 4001 EAU CLAIRE, WI 54702-4001 715-839-1609 christopherj.willger@wisconsin.gov

24 HOUR SPILLS HOTLINE 800-943-0003

WF FNFRGIFS -GAS/PETROLEUM *EMERGENCY CONTACT* 1-800-261-5325 SEND ALL CORRESPONDENCE TO: LATROY BRUMFIELD 333 WEST EVERETT ST MILWAUKEE, WI 53203 (414) 221-5617 LaTrov.Brumfield@we-energies.com CONSTRUCTION FIELD CONTACT: LEWIS KNAPP 1921 8TH ST SOUTH WISCONSIN RAPIDS, WI 54494

UTILITY CONTACTS

XCEL ENERGY SEND ALL CORRESPONDENCE TO: DAWN SCHULTZ 1414 W HAMILTON AVE PO BOX 8 EAU CLAIRE, WI 54702-0008 715-737-2482 dawn.schultz@xcelenergy.com

715-421-7259

ELECTRICITY - DISTRIBUTION STACY HAUGEN 2911 S PIONEER AVE RICE LAKE, WI 54868 OFFICE 715-236-5721 MOBILE 715-579-9710

BLOOMER TELEPHONE COMPANY -COMMUNICATION LINE STEVE HEBERT 1120 15TH AVENUE BLOOMER, WI 54724 715-568-4830 blmrtelc@bloomer.net

PLOT BY : MOUNIR, MOHAMED A PLOT NAME :

ABUT ABUTMENT ACRE AGGREGATE AGG ΑН $\Delta HF \Delta D$ ASPH ASPHALTIC AADT ANNUAL AVERAGE DAILY TRAFFIC BK. ВМ BENCH MARK BR **BRANCH** CONC CONCRETE CORRUGATED ALUMINUM CULVERT PIPE CORRUGATED STEEL CULVERT PIPE COUNTY TRUNK HIGHWAY CACP CSCP CTH ČŔ CREEK ČR CRUSHED CRUSHED
) CUBIC YARD
DEGREE OF CURVE
DESIGN HOUR VOLUME
DIRECTIONAL DISTRIBUTION
DITCH LINE / TOE OF SLOPE CY or CUYD DHV DD DL EB EASTBOUND EL or ELEV ELEVATION EMBANKMENT ESALS EQUIVALENT SINGLE AXLE LOADS EXC **EXCAVATION** EBS EXCAVATION BELOW SUBGRADE EXIST EXP EXISTING EXPANSION FE FIELD ENTRANCE HĒS CWT LT HIGH EARLY STRENGTH HUNDRED WEIGH LHF LF LS MH LEFT HAND FORWARD I INFAR FOOT LUMP SUM MANHOLE NC PAVT NORMAL CROWN PAVEMENT PLE PT PC PI PT PERMANENT LIMITED EASEMENT POINT POINT OF CURVATURE
POINT OF INTERSECTION
POINT OF TANGENCY PÓC POINT ON CURVE PÕT PE PL POINT ON TANGENT PRIVATE ENTRANCE PROPERTY LINE RADIUS RADIUS POINT ŘΡ RANGE REBAR REINFORCEMENT BAR REQD RT REQUIRED RHF RIGHT-HAND-FORWARD RIGHT-OF-WAY R/W R RD SALV RTVFR ROAD SALVAGED SEC SF SI SY STH STA SECTION SQUARE FEET SLOPE INTERCEPT SQUARE YARD SLOPED SECTION STATE TRUNK HIGHWAY STATION ŠĖ SUPERELEVATION TANGENT T TEL TEMP TC TELEPHONE TEMPORARY TOP OF CURB T or TN TOWN TRUCKS (PERCENT OF) Τ̈́ΥΡ TYPICAL ÜĞ USH VAR **UNDERGROUND** UNITED STATES HIGHWAY VARIABLE VELOCITY or DESIGN SPEED VERT VC VPC VERTICAL
VERTICAL CURVE
VERTICAL POINT OF CURVE
VERTICAL POINT OF INTERSECTION
VERTICAL POINT OF TANGENCY ΫΡΪ

PROJECT NO:8620-07-73

HWY: STH 40

COUNTY: CHIPPEWA

GENERAL NOTES

SHEET

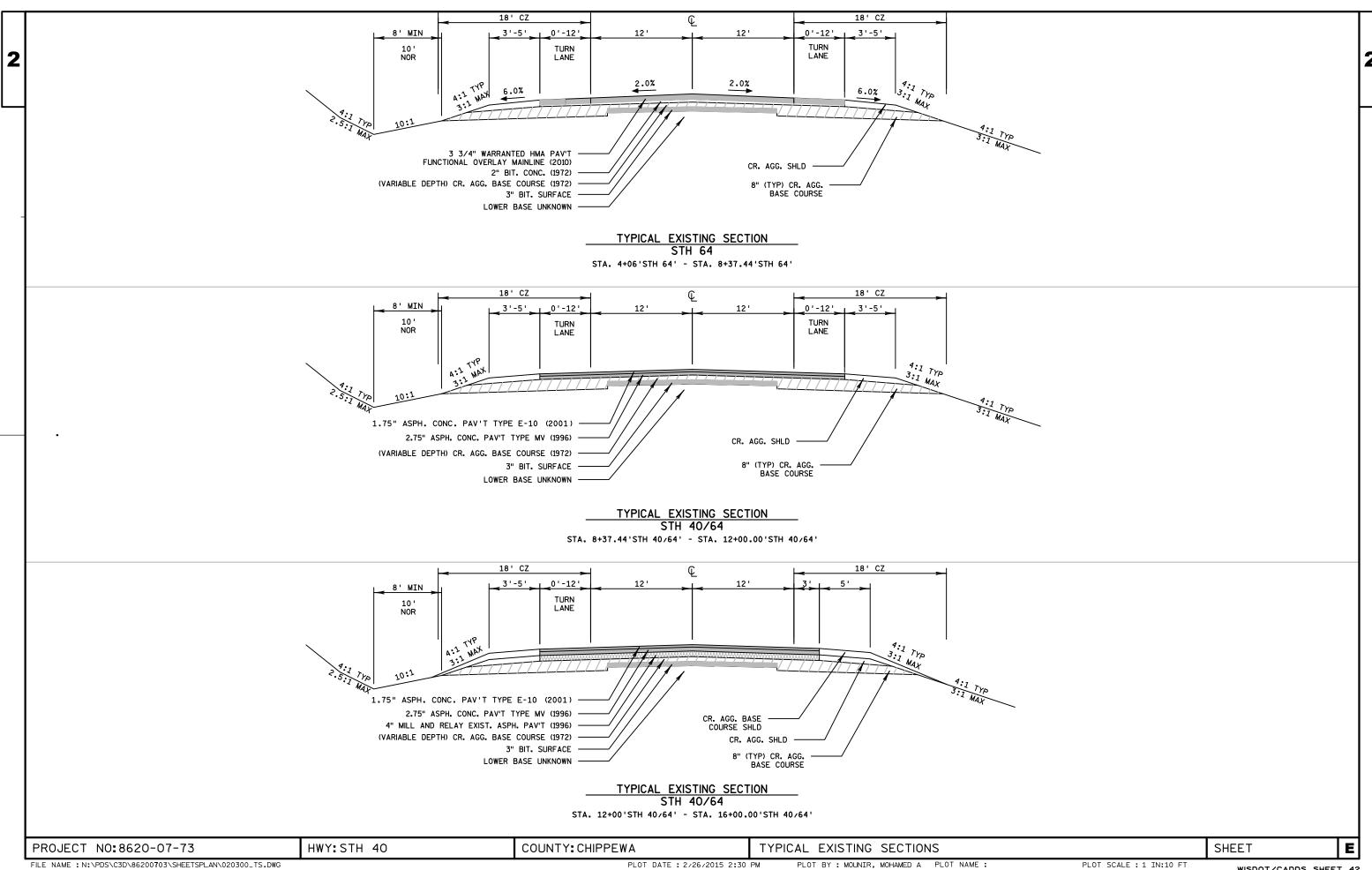
VARIABLE WESTBOUND

E

VPT

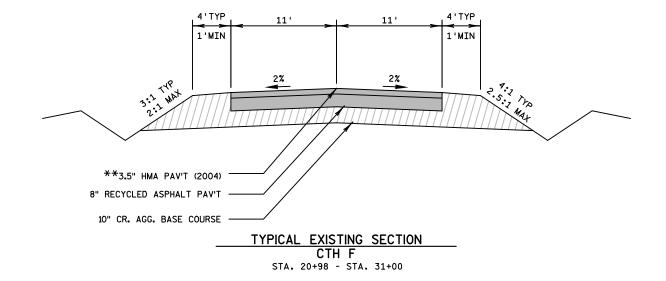
VAR

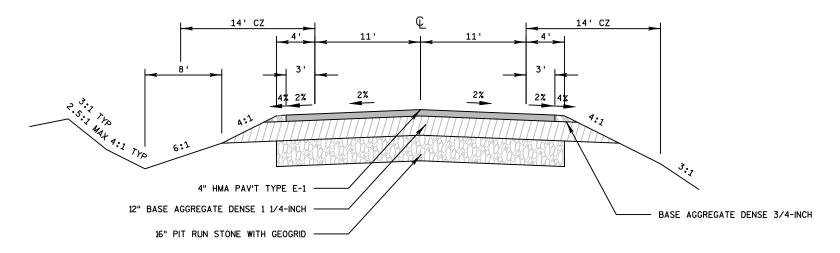
PLOT DATE: 2/26/2015 2:30 PM



WISDOT/CADDS SHEET 42







TYPICAL EXISTING SECTION

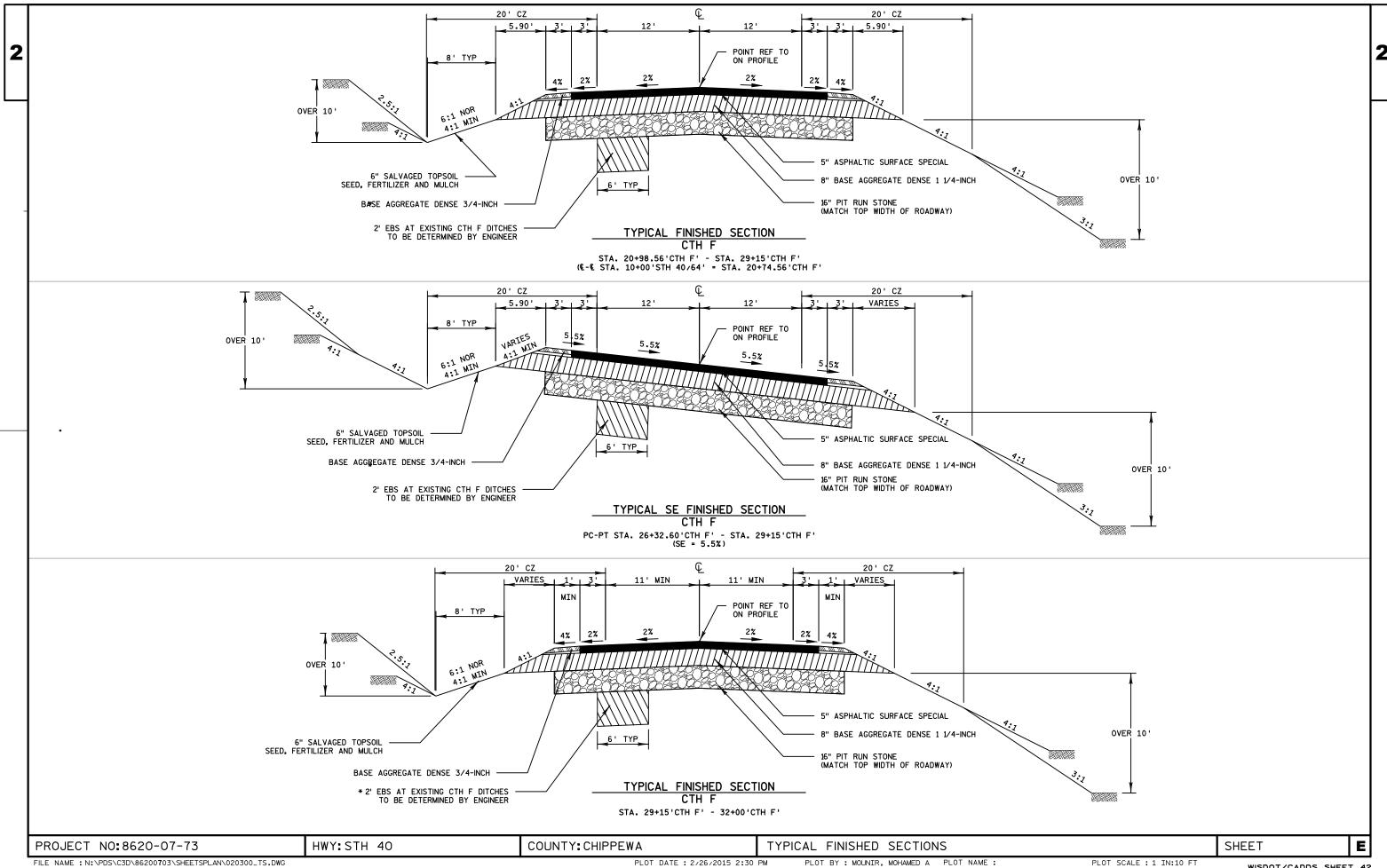
CTH F

STA. 31+00 - STA. 39+50 TO BE CONSTRUCTED BY OTHERS PRIOR TO THIS PROJECT

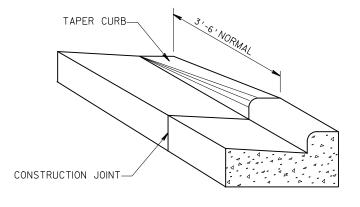
PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA TYPICAL EXISTING SECTIONS SHEET

FILE NAME: N:\PDS\C3D\86200703\SHEETSPLAN\020300_TS.DWG

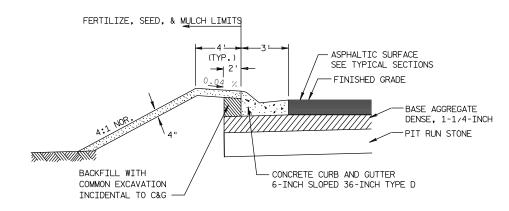
30' CZ 18' CZ 3'-5' _0'-12' TURN LANE POINT REF TO ON PROFILE 4% 4% 2" ASPHALTIC SURFACE SPECIAL - 2" REM. ASPH. SURFACE MILLING BASE AGGREGATE DENSE 3/4-INCH MINOR DITCHING AS REQ'D TO MAINTAIN DRAINAGE TYPICAL FINISHED SECTION STH 40/64 STA. 8+37'STH 64' - STA. 10+86.52'STH 40/64' 30' CZ 18' CZ 0'-14' 12' TURN LANE POINT REF TO ON PROFILE 4% 2% 2% 2" ASPHALTIC SURFACE SPECIAL 2" REM. ASPH. SURFACE MILLING 6" SALVAGED TOPSOIL SEED, FERTILIZER AND MULCH 5" ASPHALTIC SURFACE SPECIAL 8" BASE AGGREGATE DENSE 1 1/4-INCH BASE AGGREGATE DENSE 3/4-INCH TYPICAL FINISHED SECTION STH 40/64 STA. 10+86.52'STH 40/64' - STA. 15+37'STH 40/64' HWY:STH 40 COUNTY: CHIPPEWA SHEET E PROJECT NO:8620-07-73 TYPICAL FINISHED SECTIONS FILE NAME: N:\PDS\C3D\86200703\SHEETSPLAN\020300_TS.DWG PLOT DATE : 2/26/2015 2:30 PM PLOT BY : MOUNIR, MOHAMED A PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42



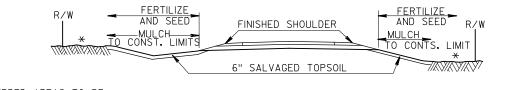
WISDOT/CADDS SHEET 42

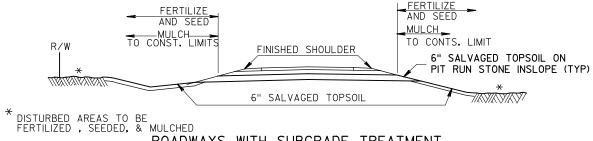


DETAIL OF CURB & GUTTER TERMINI



BERM DETAIL BEHIND 36-INCH SLOPED CURB & GUTTER





ROADWAYS WITH SUBGRADE TREATMENT DETAIL FOR FINISHING ITEMS

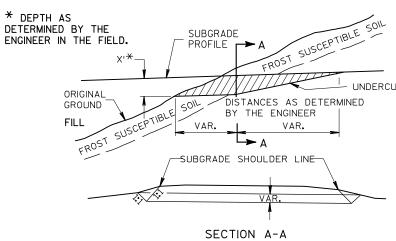
PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA CONSTRUCTION DETAILS SHEET **E**

2

CROSS SECTION VIEW

EXCAVATION BELOW SUBGRADE LOCATION & DEPTH AS DESIGNATED BY THE ENGINEER

DETAIL FOR EXCAVATION BELOW SUBGRADE



CROSS SECTION SHOWING UNDERCUT

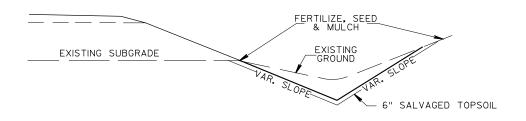
NOTE: EXACT LOCATIONS AND EXTENT OF E.B.S. SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER

BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.

THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2'BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.

DETAIL FOR EXCAVATION BELOW SUBGRADE



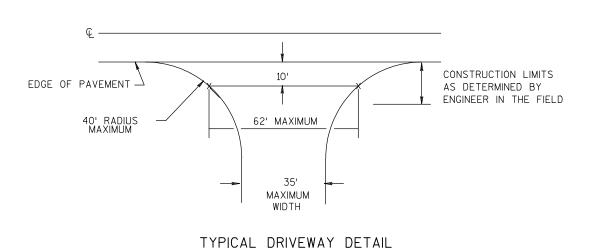
GRADING & SHAPING EXISTING DITCH

PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA CONSTRUCTION DETAILS SHEET **E**

EDGE OF PAVEMENT 10' CONSTRUCTION LIMITS AS DETERMINED BY ENGINEER IN THE FIELD 40' MAXIMUM 16' TYPICAL 24' MAXIMUM WIDTH

TYPICAL DRIVEWAY DETAIL

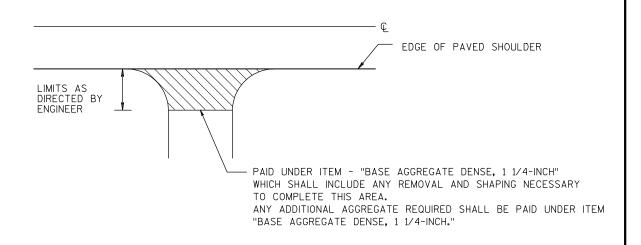
(NON-COMMERCIAL RURAL)

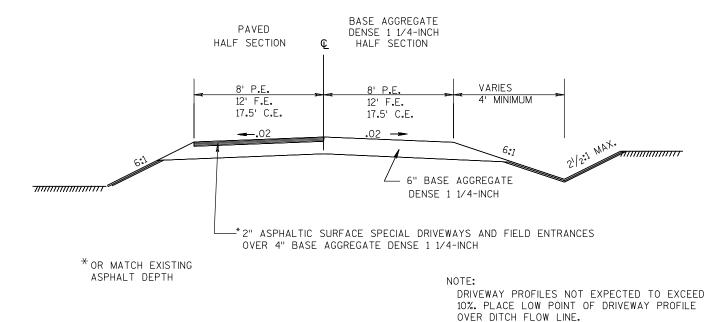


(COMMERCIAL RURAL)

HWY:STH 40

RURAL DRIVEWAY DETAIL - BASE AGGREGATE





TYPICAL SECTION FOR PRIVATE ENTRANCES

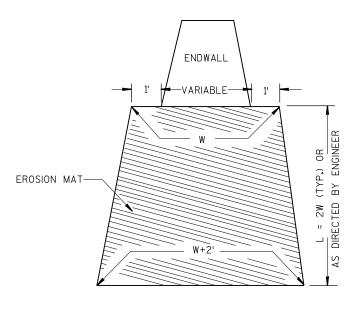
CONSTRUCTION DETAILS SHEET E

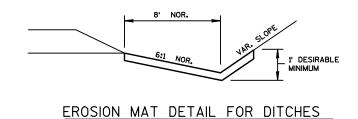
PROJECT NO:8620-07-73

COUNTY: CHIPPEWA

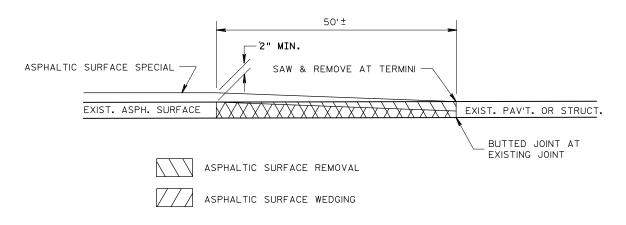
-18" MINIMUM-DEPTH OF PAVEMENT DETAIL OF OPENINGS IN ISLAND FOR SIGN PLACEMENT * NOTE: ALL SQUARED OPENINGS IN ISLAND FOR SIGN PLACEMENTS SHALL BE DETERMINED BY SIGN SIZE AND NUMBER. A 2" MINIMUM FROM BACK OF CURB IS REQUIRED. COUNTY: CHIPPEWA HWY:STH 40 PROJECT NO:8620-07-73 SHEET E CONSTRUCTION DETAILS

FILE NAME : N:\PDS\C3D\86200703\SHEETSPLAN\021001_CD.DWG PLOT BY: MOUNIR, MOHAMED A PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42



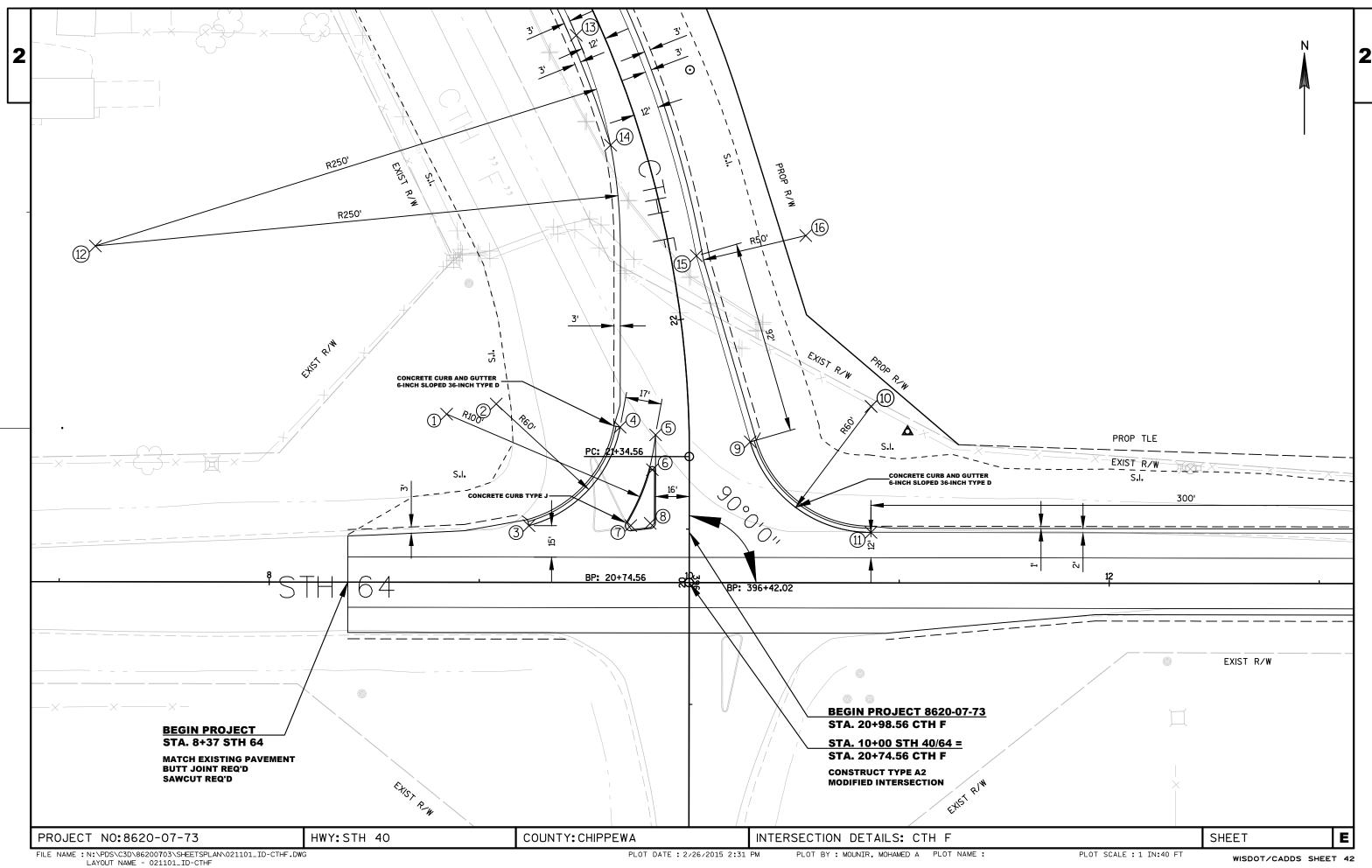


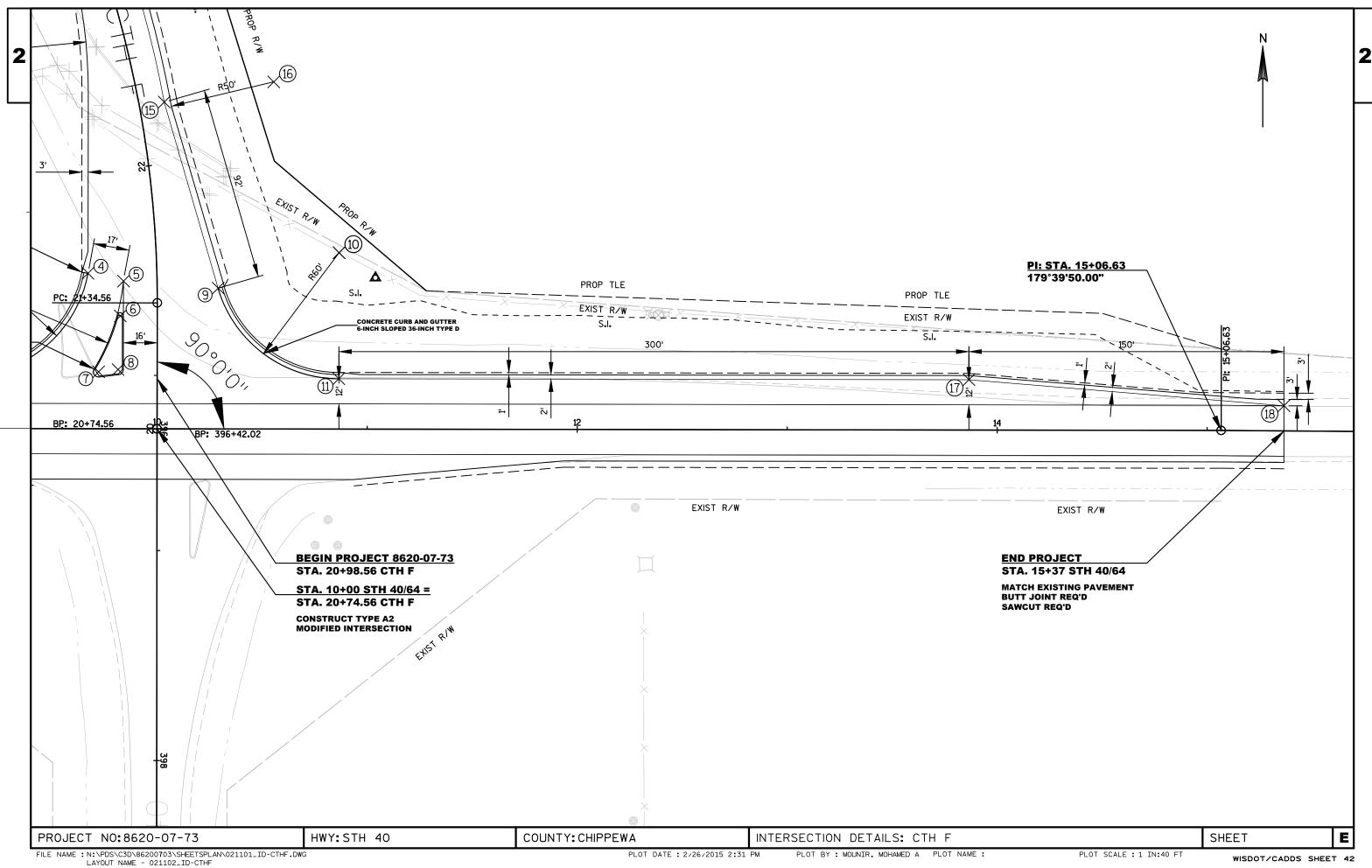
EROSION MAT TREATMENT AT CULVERTS



OVERLAP JOINT, BUTTED DETAIL

PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA CONSTRUCTION DETAILS

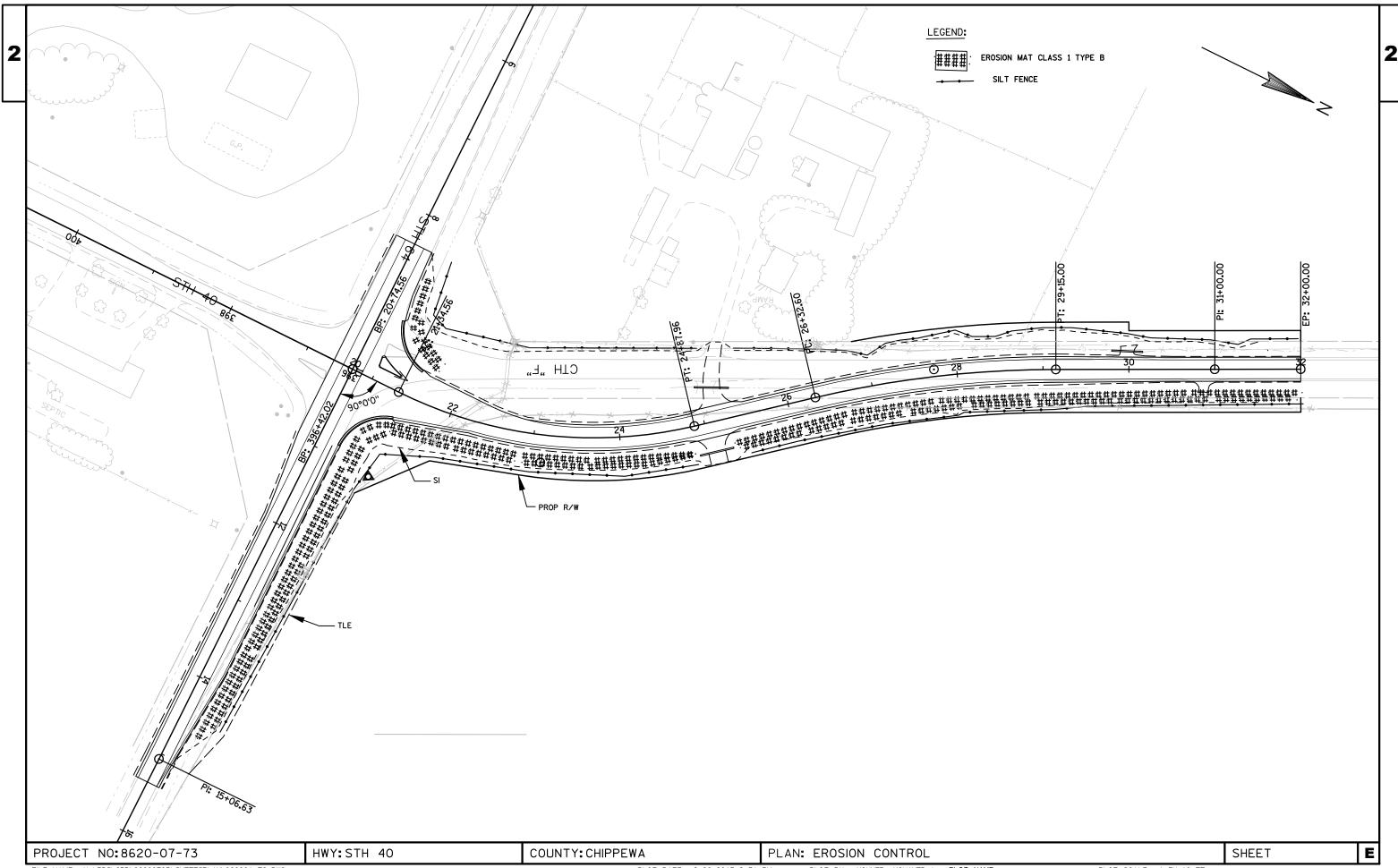


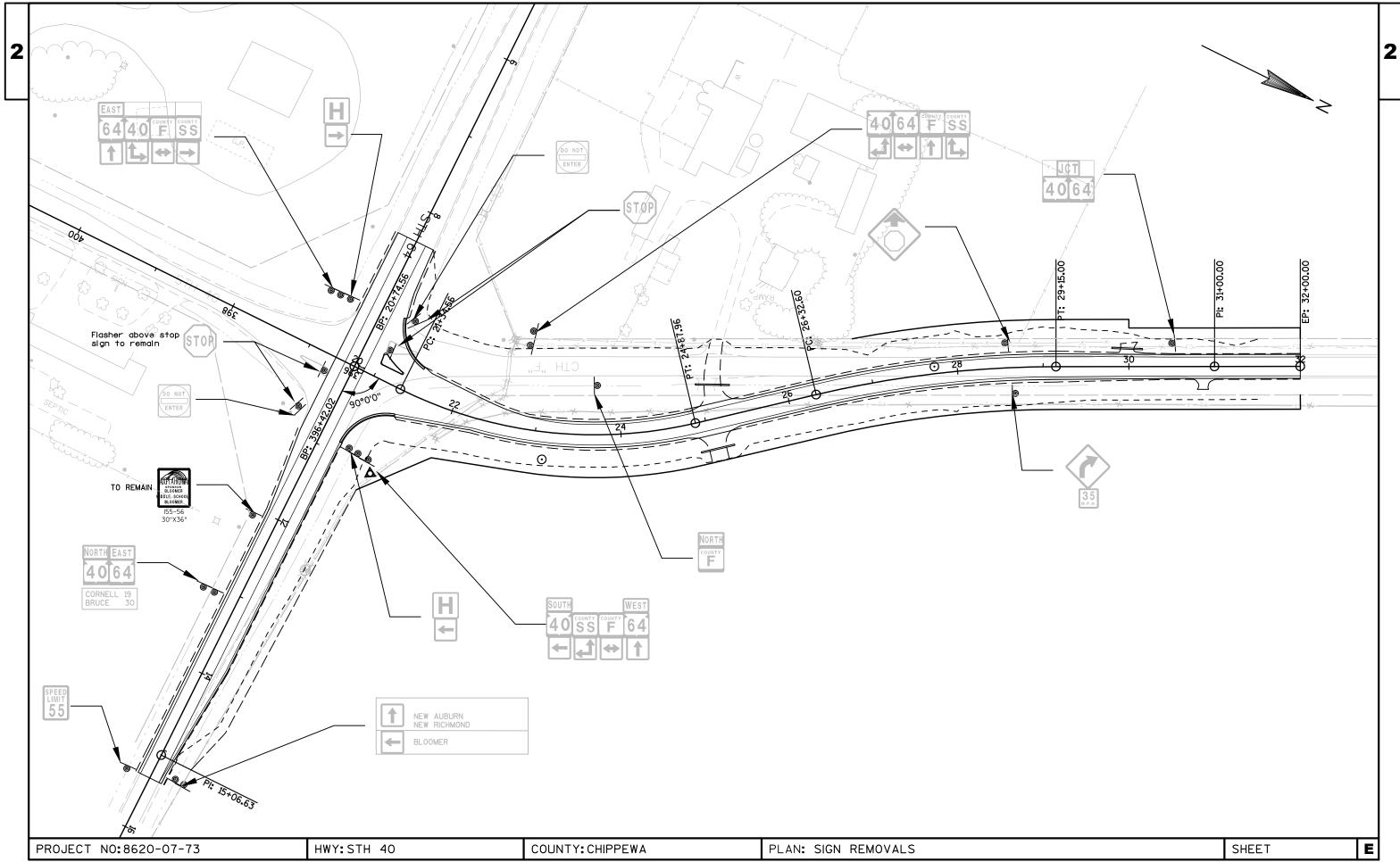


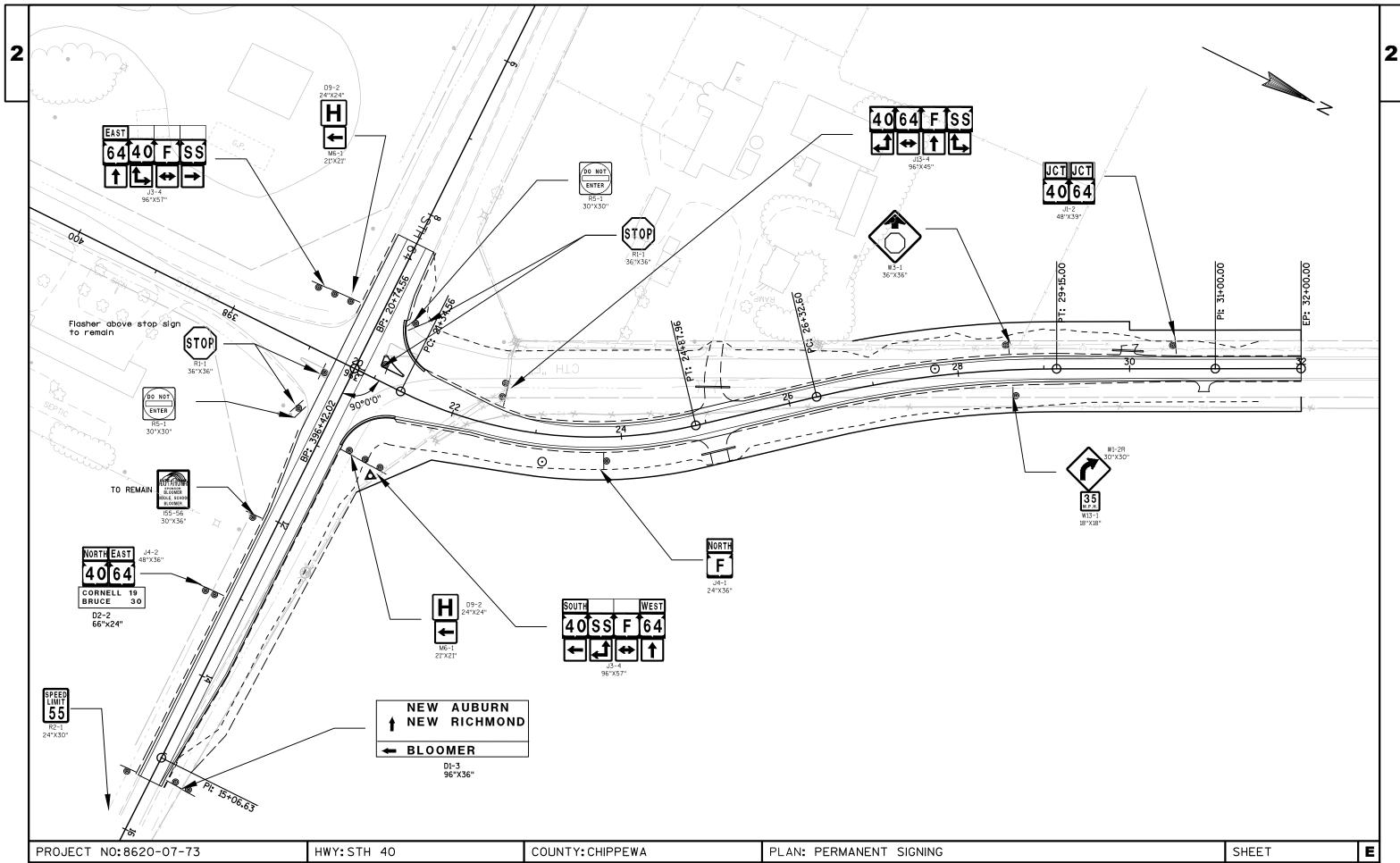
2

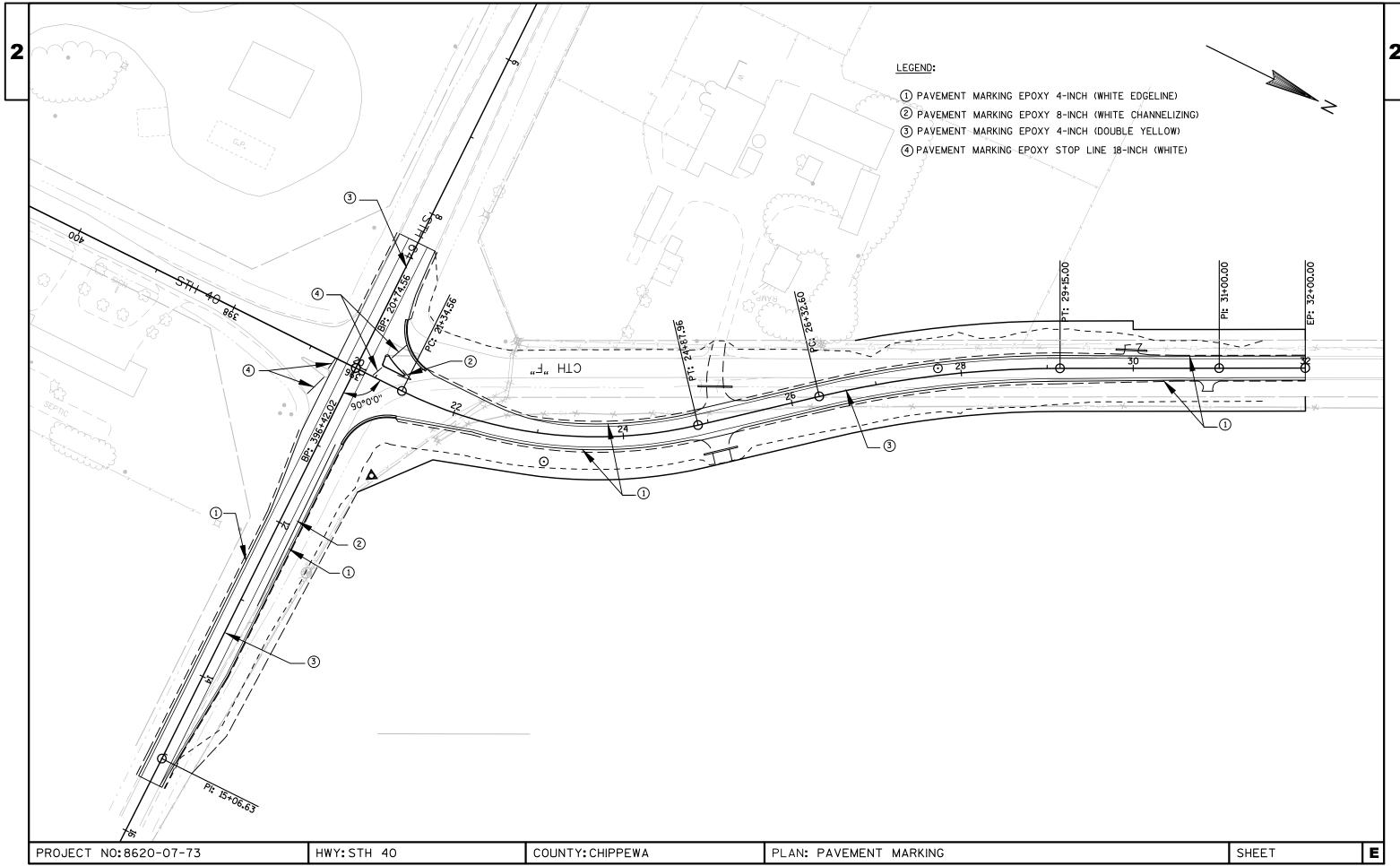
POINT	CTH F STATION	OFFSET (FT)	LT/RT	STH 64 STATION	OFFSET (FT)	LT/RT	NORTHING	EASTING	RADIUS
1	21+60.50	115.12	LT	8+84.37	80.08	LT	196744.640	146682.817	100.0'
2	21+64.92	91.26	LT	9+08.00	84.92	LT	196749.444	146706.456	60.0'
3	21+01.56	76.32	LT	9+23.68	27.00	LT	196691.506	146722.047	
4	21+49.52	32.79	LT	9+67.00	74.00	LT	196738.439	146765.438	
5	21+45.19	16.00	LT	9+83.89	70.30	LT	196734.713	146782.323	
6	21+28.29	17.61	LT	9+82.39	53.73	LT	196718.144	146780.798	1.5'
7	21+01.67	27.87	LT	9+72.13	27.11	LT	196691.542	146770.492	2.5'
8	21+02.78	18.61	LT	9+81.39	28.22	LT	196692.636	146779.759	2.5'
9	21+41.23	29.01	RT	10+28.96	67.05	LT	196731.394	146827.387	
10	21+55.07	87.00	RT	10+86.52	84.00	LT	196748.256	146884.969	60.0'
11	20+98.56	86.52	RT	10+86.52	24.00	LT	196688.256	146884.877	
12	23+45.94	262.00	LT	7+17.00	159.87	LT	196824.695	146515.570	250.0'
13	23+45.94	12.00	LT	9+45.83	260.55	LT	196925.021	146744.556	
14	22+89.71	15.00	LT	9+62.27	208.27	LT	196872.720	146760.914	
15	22+28.50	12.00	RT	10+03.17	155.61	LT	196819.994	146801.731	
16	22+28.50	65.00	RT	10+55.27	165.32	LT	196829.621	146853.849	50.0'
17	20+98.56	386.52	RT	13+86.52	24.00	LT	196687.795	147184.877	
18	20+86.38	536.52	RT	15+36.45	12.00	LT	196675.390	147334.858	

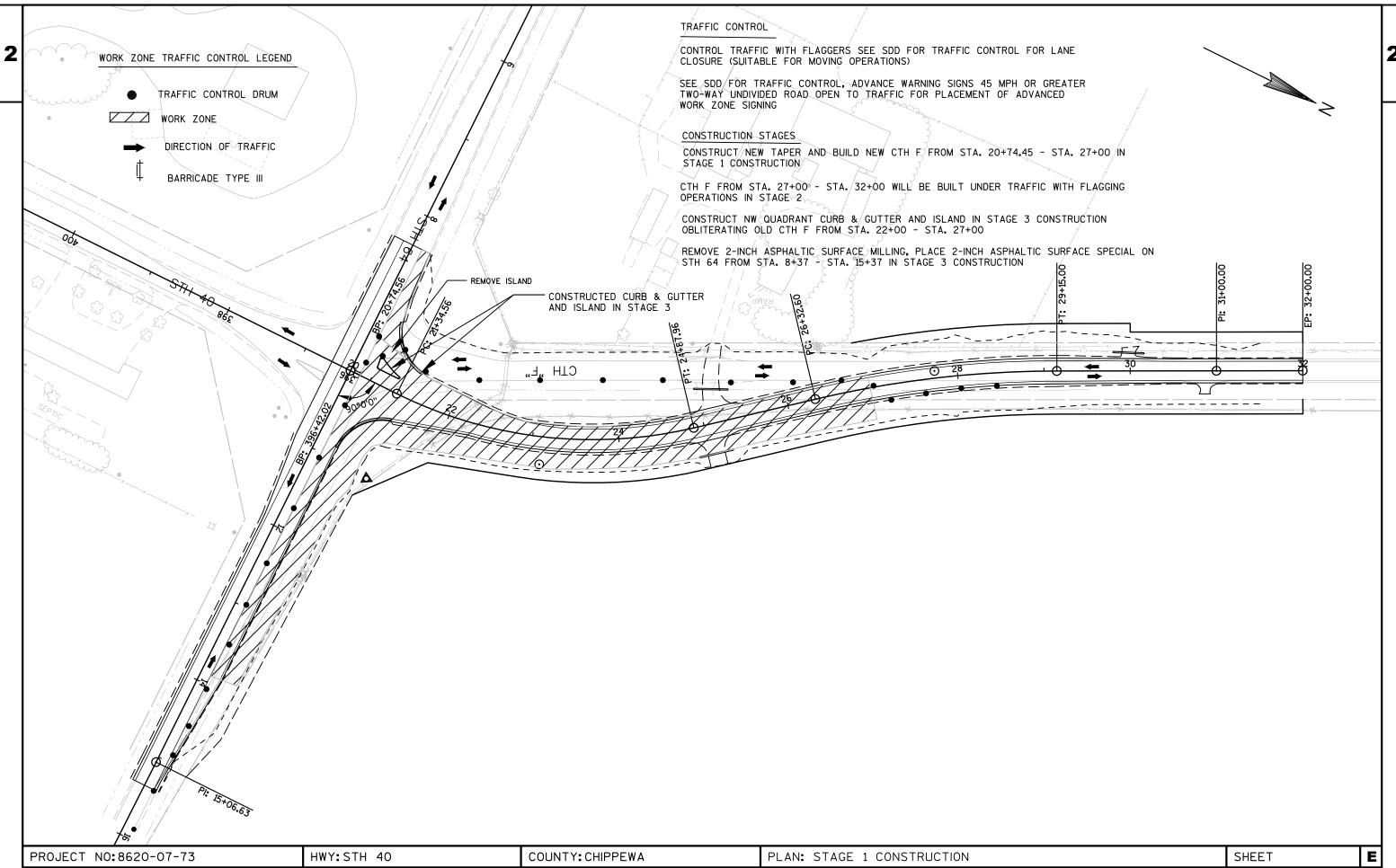
PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA INTERSECTION DETAILS: CTH F SHEET E

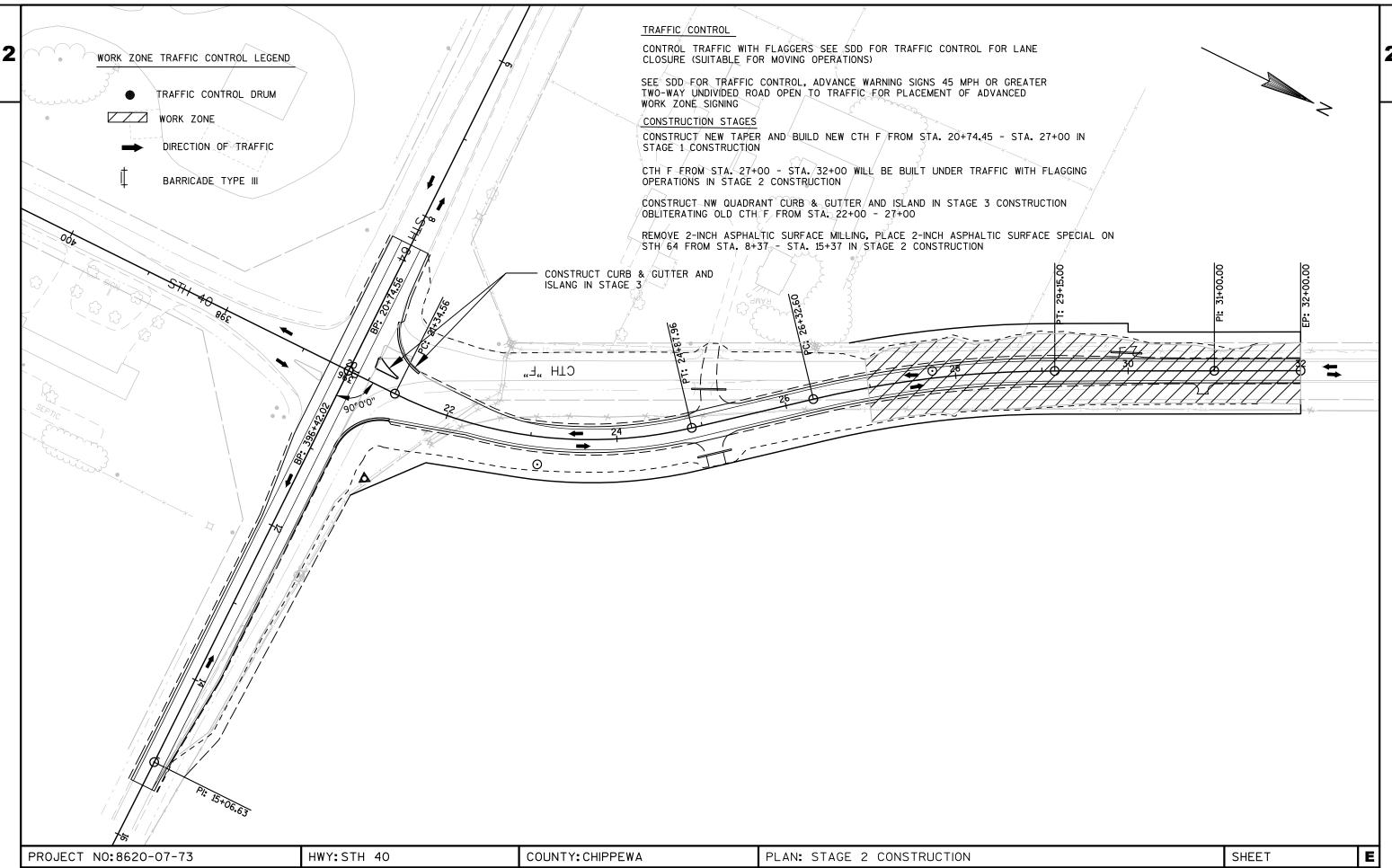


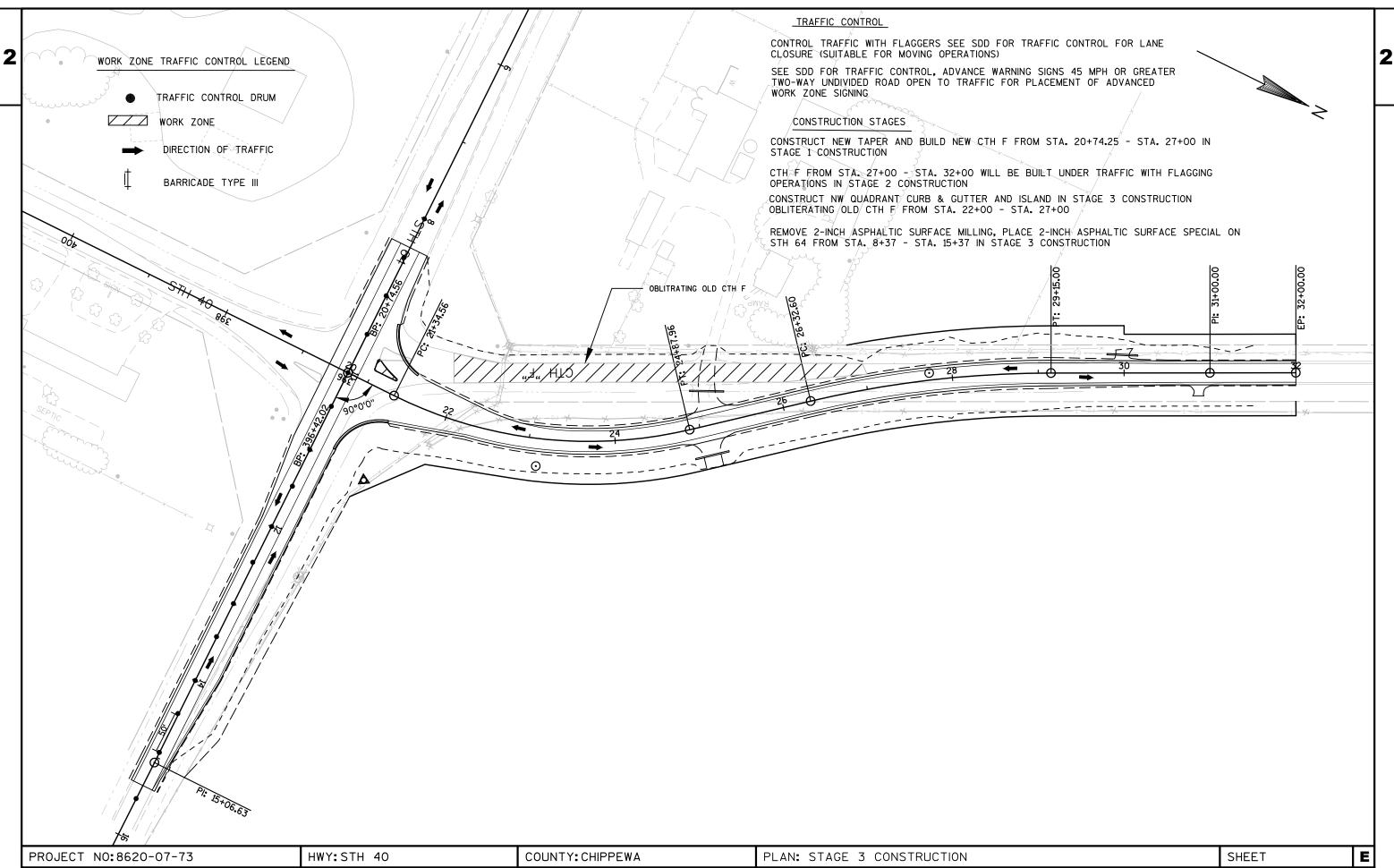


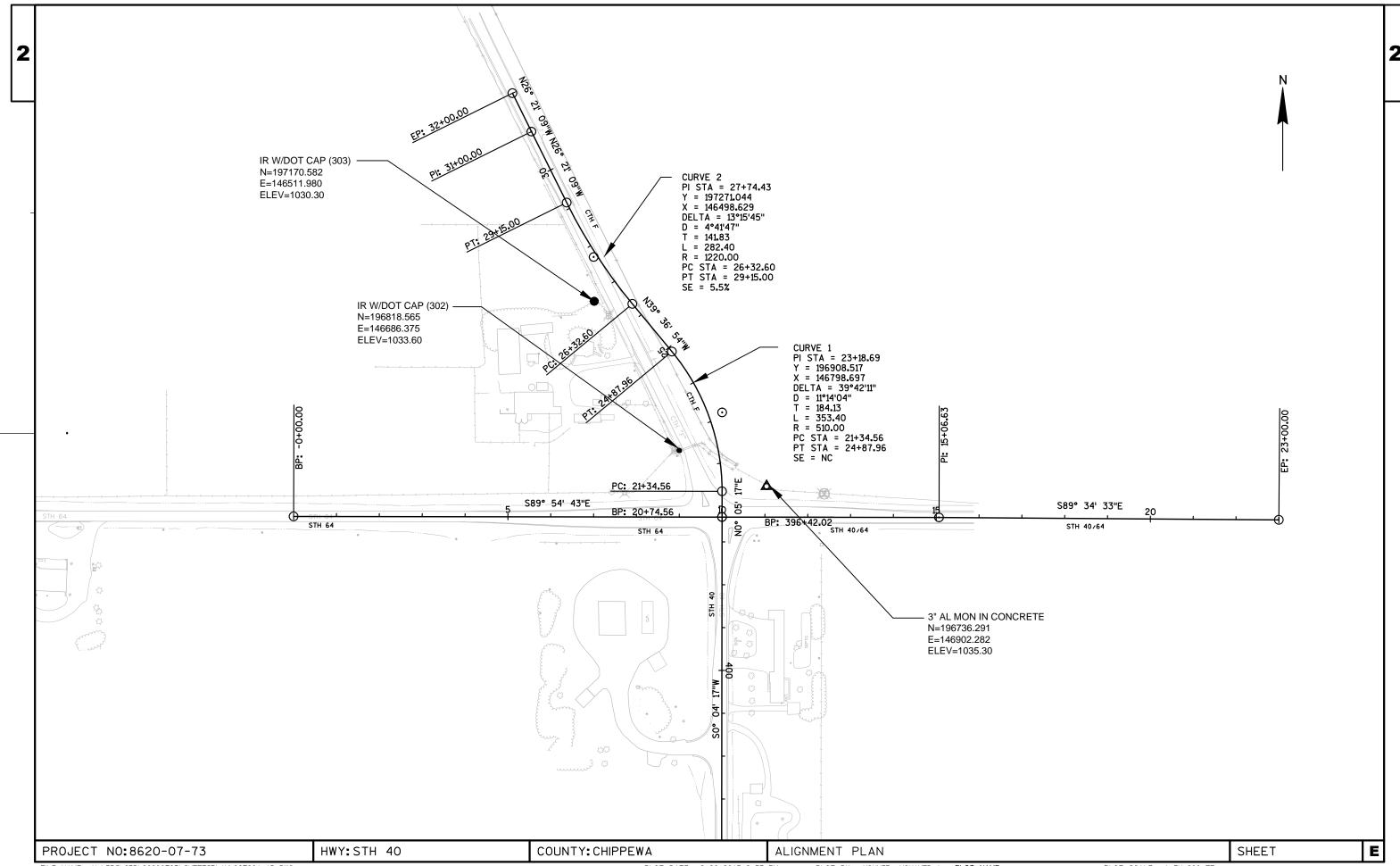












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	Alignmen	t: CTH F		Alignment: CTH F Continued					
2	Tangent	Data		1.02	Curve Poin	nt Data			
Description	PT Station	Northing	Easting	Description	Station	Northing	Easting		
Start:	20+74.558	196664.388	146798.323	PC:	26+32.602	197161.784	146589.065		
End:	21+34.558	196724.388	146798.415	RP:		197939.687	147528.888		
	Tangent	Data		PT:	29+15.000	197398.138	146435.67		
Parameter	Value	Parameter	Value		Circular Cur	ve Data			
Length:	60	Course:	N 00° 05' 16.5553" E	Parameter	Value	Parameter	Value		
1440			1 1 1 1 1 1 1 1 1 1 1 1	Delta:	13° 15' 44.9542"	Type:	RIGHT		
		A THE		Radius:	1220	100			
	<u>Curve Poir</u>	t Data	and the same of th	Length:	282.398	Tangent:	141.833		
Description	Station	Northing	Easting	Mid-Ord:	8.162	External:	8.217		
PC:	21+34.558	196724.388	146798.415	Chord:	281.768	Course:	N 32° 59' 01.5106" W		
RP:		196725.171	146288.415						
PT:	24+87.960	197050.36	146681.292				20		
	Circular Cur	ve Data			Tangent	Data			
Parameter	Value	Parameter	Value	Description	PT Station	Northing	Easting		
Delta:	39° 42′ 10.5430"	Type:	LEFT	Start:	29+15.000	197398.138	146435.67		
Radius:	510			End:	31+00.000	197563.913	146353.55		
Length:	353.403	Tangent:	184.129		Tangent	Data			
Mid-Ord:	30.306	External:	32.221	Parameter	Value	Parameter	Value		
Chord:	346.375	Course:	N 19° 45' 48.7162" W	Length:	185	Course:	N 26° 21' 09.0335" W		
	Tangent	Data	1	Tangent Data					
Description	PT Station	Northing	Easting	Description	PT Station	Northing	Easting		
Start:	24+87.960	197050.36	146681.292	Start:	31+00.000	197563.913	146353.55		
End:	26+32.602	197161.784	146589.065	End:	32+00.000	197653.521	146309.161		
	Tangent	Data		Tangent Data					
Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value		
Length:	144.641	Course:	N 39° 36' 53.9876" W	Length:	100	Course:	N 26° 21' 09.0335" W		

PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA ALIGNMENT DATA SHEET **E**

	Superelevation Data: CTH F Curve 2										
Station	Description	Left Outside Shoulder	Left Outside Lane	Right Outside Lane	Right Outside Shoulder						
20+74.56	Begin Alignment	-4.00%	-2.00%	-2.00%	-4.00%						
24+50.00	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%						
24+96.60	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%						
25+44.60	Level Crown	0.00%	0.00%	-2.00%	-4.00%						
25+92.60	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%						
26+40.60	Low Shoulder Match	4.00%	4.00%	-4.00%	-4.00%						
26+76.60	Begin Full Super	5.50%	5.50%	-5.50%	-5.50%						
28+71.00	End Full Super	5.50%	5.50%	-5.50%	-5.50%						
29+07.00	Low Shoulder Match	4.00%	4.00%	-4.00%	-4.00%						
29+55.00	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%						
30+03.00	Level Crown	0.00%	0.00%	-2.00%	-4.00%						
30+51.00	Begin Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%						
31+00.00	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%						
32+00.00	End Alignment	-4.00%	-2.00%	-2.00%	-4.00%						

	Alignmen	t: STH 40	1	Alignment: STH 64					
	Tangent	: Data		Tangent Data					
Description	PT Station	Northing	Easting	Description	PT Station	Northing	Easting		
Start:	396+42.020	196664.388	146798.323	Start:	0+000.000	196665.923	145798.324		
End:	404+61.190	195845.219	146797.304	End:	15+06.630	196663.611	147304.952		
	Tangent	Data			Tangen	t Data			
Parameter	Value	Parameter	Value	Parameter	Value	Parameter	Value		
Length:	819.17	Course:	S 00° 04' 16.5553" W	Length:	1506.63	Course:	S 89° 54' 43.4447" E		
	Tangent	Data			Tangen	t Data	-1-		
Description	PT Station	Northing	Easting	Description	PT Station	Northing	Easting		
Start:	404+61.190	195845.219	146797.304	Start:	15+06.630	196663.611	147304.952		
End:	409+00.000	195406.409	146796.758	End:	23+00.000	196657.739	148098.3		
	Tangent	Data			Tangent Data				
	Value	Parameter	Value	Parameter	Value	Parameter	Value		
Parameter	- unuc								

PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA ALIGNMENT DATA SHEET **E**

Alignm	ent: flag-ne							
Descrip	otion:							
Layer: F	_ALI-Base							
Arc								
AIC	PC N	196688.3	E	146884.9		Station	00+00	
	CC N	196748.3	E	146885				
	PIN	196688.3	E	146840		Station	00+44.88	
		TAN	44.878'					
		DB	N 89° 54' 43.45 W"					
		DA	N 16° 19'	17.01 W"				
		LChord Dis	71.875'	Bearing	N 53° 7' 0.23 W"			
		External D	14.927'					
		Middle Or	11.953'					
		Radius	60.000'					
		DEG	95° 29' 34	1.68'''				
		DELTA	73° 35' 26	5.44""				
		LENGTH	77.064'					
	PTN	196731.4	E	146827.4		Station	00+77.06	
End	N	196731.4	E	146827.4	Z	Station	00+77.06	
Alignm	ent Length = 7	7.06'						

Alignment	t: flag-nw							
Descriptio	n:							
Layer: P_A	LI-Base							
Arc								
	PC N	196691.5	E	146722			Station	00+00
	CC N	196749.4	E	146706.5				
	PIN	196701.3	E	146758.5			Station	00+37.76
		TAN	37.761'					
		DB	N 74° 56' 18.09 E'''					
		DA	N 10° 34' 9.01 E'''					
		LChord Di	:63.918' Bearing N		N 42° 45' 13.55 E"			
		External D	10.894'					
		Middle Or	9.220'					
		Radius	60.000'					
		DEG	95° 29' 34	4.68'"				
		DELTA	64° 22' 9.	.08'''				
		LENGTH	67.407'					
	PT N	196738.4	E	146765.4			Station	00+67.41
End	N	196738.4	E	146765.4	Z		Station	00+67.41
Alignment	t Length =	67.41'						

PROJECT NO:8620-07-73 HWY:STH 40 COUNTY:CHIPPEWA ALIGNMENT DATA SHEET E

FILE NAME: N:\PDS\C3D\86200703\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027204_AD

PLOT BY: MOUNIR, MOHAMED A PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42

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DATE 27 LINE	FEB15	EST	IMATE	OFQUAN	T I T I E S 8620-07-73	
	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0010	203. 0100	Removing Small Pipe Culverts	EACH	3.000	3.000	
0020	204. 0115	Removing Asphaltic Surface Butt Joints	SY	266. 000	266. 000	
0030	204. 0120 204. 0130	Removing Asphaltic Surface Milling Removing Curb	SY LF	2, 446. 000 88. 000	2, 446. 000 88. 000	
0040 0050	204. 0130	Removing Curb Removing Fence	LF LF	388. 000	388. 000	
0060	205. 0100	Excavation Common	CY	3, 719. 000	3, 719. 000	
0070	208. 1100	Select Borrow	CY	2, 899. 000	2, 899. 000	
0800	213. 0100	Finishing Roadway (project) 01. 8620-07-73	EACH	1. 000	1. 000	
0090	214.0100	Obliterating Old Road	STA	5.000	5. 000	
0100	305. 0110	Base Aggregate Dense 3/4-Inch	TON	359.000	359.000	
0110	20E 0120	Paco Aggregato Dence 1 1/4 Lnch	TON	2 051 000	2 951 000	
0110 0120	305. 0120 305. 0500	Base Aggregate Dense 1 1/4-Inch Shaping Shoulders	TON STA	2, 851. 000 14. 000	2, 851. 000 14. 000	
0130	313. 0110	Pi t Run	TON	3, 085. 000	3, 085. 000	
0140	455. 0605	Tack Coat	GAL	469. 000	469. 000	
0150	465. 0305	Asphaltic Surface Safety Islands	TON	3.000	3. 000	
0160	465. 0315	Asphaltic Flumes		21 000	21 000	
0160 0170	465. 0315 521. 1518	Asphaltic Flumes Apron Endwalls for Culvert Pipe Sloped	SY EACH	21. 000 6. 000	21. 000 6. 000	
0170	521. 1510	Side Drains Steel 18-Inch 6 to 1		5. 000	5. 000	
0180	528. 0118	Culvert Pipe Corrugated Steel Polymer	LF	120.000	120.000	
		Coated 18-Inch				
0190	601. 0120	Concrete Curb N Cutton (Inch Stand	LF	78. 000	78. 000	
0200	601. 0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	144. 000	144. 000	
		oo men Type b				
0210	618. 0100	Maintenance And Repair of Haul Roads	EACH	1.000	1.000	
0000	(10 1000	(project) 01. 8620-07-73	FAOU	1 000	1 000	
0220	619. 1000 625. 0500	Mobilization Salvaged Tensoil	EACH SY	1. 000 8, 300. 000	1. 000 8, 300. 000	
0230 0240	627. 0200	Sal vaged Topsoil Mul chi ng	SY	5, 540. 000	5, 540. 000	
0250	628. 1504	Silt Fence	LF	2, 745. 000	2, 745. 000	
0260	628. 1520	Silt Fence Maintenance	LF	2, 745. 000	2, 745. 000	
0270 0280	628. 1905 628. 1910	Mobilizations Erosion Control Mobilizations Emergency Erosion Control	EACH EACH	2. 000 4. 000	2. 000 4. 000	
0290	628. 2004	Erosi on Mat Class Type B	SY	2, 760. 000	2, 760. 000	
0300	628. 7504	Temporary Ditch Checks	LF	184. 000	184. 000	
0040	(00,0016		OMT	7 000	7.000	
0310 0320	629. 0210 630. 0130	Fertilizer Type B	CWT	7. 000 700. 000	7. 000 700. 000	
0320	630. 0130	Seeding Mixture No. 30 Seeding Temporary	LB LB	400. 000	400. 000	
0340	634. 0616	Posts Wood 4x6-Inch X 16-FT	EACH	22. 000	22. 000	
0350	637. 2210	Signs Type II Reflective H	SF	257. 120	257. 120	
0260	420 2402	Domovi na Ci ano Tyno II	FACIL	FO 000	E0 000	
0360 0370	638. 2602 638. 3000	Removing Signs Type II Removing Small Sign Supports	EACH EACH	50. 000 22. 000	50. 000 22. 000	
0370	642. 5201	Field Office Type C	EACH	1. 000	1. 000	
0390	643. 0100	Traffic Control (project) 01. 8620-07-73		1. 000	1. 000	
0400	643.0300	Traffic Control Drums	DAY	3, 060. 000	3,060.000	
0410	642 0420	Traffic Control Parsicodos Time III	DAV	272 000	272 000	
0410 0420	643. 0420 643. 0705	Traffic Control Barricades Type III Traffic Control Warning Lights Type A	DAY DAY	272. 000 680. 000	272. 000 680. 000	
0420	643. 0705	Traffic Control Warning Lights Type C	DAY	1, 088. 000	1, 088. 000	
0440	643.0900	Traffic Control Signs	DAY	1, 564. 000	1, 564. 000	
0450	646. 0106	Pavement Marking Epoxy 4-Inch	LF	5, 808. 000	5, 808. 000	
0460	(44 0104	Dovement Marking Engine C. Lock		200, 000	200 000	
0460 0470	646. 0126 646. 0406	Pavement Marking Epoxy 8-Inch Pavement Marking Same Day Epoxy 4-Inch	LF LF	280. 000 1, 400. 000	280. 000 1, 400. 000	
0470	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch		85. 000	85. 000	
0490	648. 0100	Locating No-Passing Zones	MI	0. 330	0. 330	
0500	650. 4500	Construction Staking Subgrade	LF	1, 102. 000	1, 102. 000	

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DATE 27	FEB15	E \$	STIMAT	E OF QUAN	TITIES	
LINE	LTEM	LTEM DECODEDTION	LINIT	TOTAL	8620-07-73	
NUMBER	IIEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0510	650. 5000	Construction Staking Base	LF	1, 102. 000	1, 102. 000	
0520	650. 5500	Construction Staking Curb Gutter and	LF	144. 000	144. 000	
		Curb & Gutter				
0530	650. 6000	Construction Staking Pipe Culverts	EACH	3. 000	3. 000	
0540	650. 9910	Construction Staking Supplemental	LS	1.000	1. 000	
		Control (project) 01. 8620-07-73				
0550	650. 9920	Construction Staking Slope Stakes	LF	1, 102. 000	1, 102. 000	
05/0	(00 0150	Couring Applied		270, 000	270, 000	
0560	690. 0150	Sawing Asphalt	LF	370. 000	370. 000	
0570	SPV. 0090	Special 01. Cure And Seal Treatment Concrete Curb And Gutter	LF	144. 000	144. 000	
0580	SPV. 0195	Special 01. Asphaltic Surface Special	TON	1, 470. 000	1, 470. 000	

ΕMO	VΙ	NG	FENCE

		2	03. 0100					204 0170	
CATEGORY	STATI ON	LOCATI ON	EACH	REMARKS	CATEGORY	STATION TO STATION	LOCATI ON	204. 0170 LF	
0010 0010	25+12 30+00	CTH F CTH F	1 2	DRI VEWAY FE	0010	10+25	STH 64	388	RT
		TOTAL 0010	3				TOTAL 0010	388	- }
_				T JOLNIE					
		<u>REMOVING ASPHALTI</u>	C SURFACE BUT	1 JOINIS					
CATEGORY	STATION TO STATION	LOCATI ON	204. 011	5 SY REMARKS			EXCAVATION COMMON		
0010	8+37 - 8+87	STH 64	13					205. 0100	
0010	14+87 - 15+37	STH 64	13			STATION TO STATION	LOCATI ON	СҮ	REMARKS
		TOTAL 0010	26	<u></u>	0010 0010	20+98 - 32+00 11+00 14+00	CTH F STH 64		SEE EARTHWORK SPREADSHEET SEE EARTHWORK SPREADSHEET
					0010	11100 14100	CTH F		UNDI STRI BUTED
							TOTAL 0010	3719	
		REMOVING ASPHALTIC	SURFACE MILLI	<u>NG</u>					
			204. 0120				SELECT BORROW		
CATEGORY	STATION TO STATION	LOCATI ON	SY	REMARKS			SELECT BURKOW		
0010	8+37 - 12+00	STH 64	242	TAPER				208. 1100	
0010 0010	8+37 - 12+00 12+00 - 15+37	STH 64 STH 64	968 225	MAI NLI NE TAPER	CATEGORY	STATION TO STATION	LOCATI ON	СҮ	REMARKS
0010	12+00 - 15+37	STH 64	1011	MAI NLI NE	0010	20+98 - 32+00	CTH F	2899	SEE EARTHWORK SPREADSHEET
		TOTAL 0010	2446				TOTAL 0010	2899	
		REMOVING CURB				<u>FINISHING RO</u>	ADWAY (01. 8620-07-73)		
CATEGORY	STATI ON	20 LOCATI ON	4. 0130 LF	REMARKS	OATEOON	LOOATLON	213. 0100	DEMARKS	
0010	21+00	CTH F	88	LT	CATEGORY		EACH	REMARKS	
0010	21+00			LI	0010	CTH F\STH 64	1	PROJECT	
		TOTAL 0010	88			TOTAL	0010 1		
PROJECT NO: 86	20-07-73	HWY: STH 40		OUNTY: CHIPPEWA	NAIG	SCELLANEOUS QUANTITIES			SHEET: E
I NOSLOT NO. 80	20 01-13	111011. 011140		OGNITI. OTHER LAVA	IVIIC	JOLLLAINLOUG QUAINTITILS			JOINELI.

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : 030808111109 PLOT SCALE : 1:1

REMOVING SMALL PIPE CULVERTS

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		OBLITERATING OLD RO	<u>DAD</u>					TACK COAT		
CATEGORY	STATION TO STATION	LOCATI ON	214. 0100 STA	REMARKS	CATEGOR	ry s	TATION TO STATION	LOCATI ON	455. 0605 GAL	REMARKS
0010	22+00 - 27+00	CTH F	5	OLD CTH F	0010 0010		8+37 - 15+37 20+98 - 32+00	STH 64 CTH F	212 257	MAINLINE (RATE .07) MAINLINE (RATE .07)
		TOTAL 0010 <u>BASE AGGREGATE DEN</u>	5 <u>NSE 3/4-I NCH</u>					TOTAL 0010	469	
0.475000)/	0717101170 07171011		305. 0110	DEMANU						
CATEGORY	STATION TO STATION	LOCATI ON	TON	REMARKS				ASPHALTIC SURFACE	SAFETY ISLANDS	<u>i</u>
0010 0010	8+37 - 15+37 20+98 - 32+00	STH 64 CTH F	87 272	SHOULDER SHOULDER		CATEGORY	STATI ON	LOCATI ON	465. 0305 TON	REMARKS
		TOTAL 0010	359			0010	21+00	CTH F	3	I SLAND
		BASE AGGREGATE DENSE	E 1 1/4-INCH			33.3		TOTAL 0010	3	
CATEGORY	STATION TO STATION	LOCATI ON	305. 0120 TON	REMARKS			<u>ASPHAL</u>	TIC FLUMES		
0010 0010	20+98 - 32+00 10+86 - 15+37	CTH F STH 64	2601 250	MAI NLI NE TAPER		CATEGORY	LOCATI	465. 0315 ON SY	RE!	MARKS
		TOTAL 0010	2851			0010	CTH F	21	DI RECT BY I	ENGI NEER
		SHAPI NG SHOULDERS					TOTAL	_ 001021		
CATEGORY	STATION TO STATION	30 LOCATI ON	5. 0500 STA	REMARKS						
0010	8+37 - 15+37	STH 64	14	LT, RT			APRON ENDWALLS	S FOR CULVERT PIPE SLOP	PED SIDE DRAINS	STEEL 18-INCH 6 TO 1
		TOTAL 0010	14					F04 4F40		
		<u>PIT RUN</u>			CATEGORY	STATI 0	N LOCATION	521. 1518 EACH	REMAR	KS
CATECODY	CTATION TO STATION	LOCATION	313. 0110	DEMARKS	0010 0010	25+1 30+0		4 2	DRI VEWAY FE	
CATEGORY	STATION TO STATION	LOCATI ON	TON	REMARKS			TOTAL 0010	6		
0010	20+98 - 32+00	CTH F	3085	MAI NLI NE						
		TOTAL 0010	3085							
PROJECT NO: 8	8620-07-73	HWY: STH 40	СО	UNTY: CHIPPEWA		MISCELLA	NEOUS QUANTITIES			SHEET: E

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT DATE : June 14, 1911 PLOT BY : A.R.H. PLOT NAME : 030808111109 PLOT SCALE : 1:1

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		CULVERT PIPE	CORRUGATED STEE	L POLYMER	COATED 18	B-I NCH			MOBI LI ZATI ON		
CATEGORY	STATI ON	LOCATI ON	THI CKNESS	528. (LF	REMARKS	<u>CATEGORY</u> 0010	STATION TO STATION 20+98 - 32+00	LOCATION CTH F\STH 64	619. 10 EA	
0010 0010	25+12 30+00	CTH F CTH F	. 064 . 064 TOTAL 0010		80 40 120	DRIVEWAY AND F	·E		TOTAL 001	0	<u>1</u>
		CONCRETE C	URB TYPE J						SALVAGED TOPSOIL		
CATEGORY	STATI ON	LOCATI ON	601. 0	120 LF	REMARKS		CATEGORY	TO STATION	LOCATI ON	625. 0500 SY	REMARKS
0010	21+01	CTH F	0010	78 78	ISLAND		0010 0010	- 32+00 - 15+37	CTH F STH 64 TOTAL 0010 MULCHI NG	6900 1400 8300	LT, RT LT
CATEGORY	STATION TO STATION	<u>CONCRE</u> LOCATI		TER 6-INCH 01. 0557 LF		6-INCH TYPE D	CATEGORY	STATION TO STATION	LOCATI ON	627. 0200 SY	REMARKS
0010 0010	0+00 - 0+77 0+00 - 0+67	CTH F CTH F	- NE FLAG - NW FLAG - TAL OO10	77 67 144		RT LT	0010 0010	20+98 - 32+00 10+86 - 15+37	CTH F STH 64 TOTAL 0010		DIRECT BY ENGINEER DIRECT BY ENGINEER
	MAI NTENA	ANCE AND REPAIR	OF HAUL ROADS ((<u>01. 8620-</u> (<u>07-73)</u>				<u>SILT FENCE</u>		
CATEGORY	LOCATI ON		618. 0100 EACH	REMARKS	<u>s</u>		CATEGORY 0010	STATION TO STATION 21+50 - 32+00	LOCATION CTH F	628. 1504 LF 2294	REMARKS DIRECT BY ENGINEER
0010	CTH F\S	TH 64 TAL 0010	1 1	PROJEC	Т		0010	10+86 - 15+37	STH 64 TOTAL 0010	2745	DIRECT BY ENGINEER
PROJECT NO: 862	0-07-73	HWY: STH	1 40	C	COUNTY: (CHIPPEWA	MIS	SCELLANEOUS QUANTITIES			SHEET: E

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: 030808111109 PLOT SCALE: 1:1

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TEMPORARY DITCH CHECKS

		<u> </u>	<u></u>						
CATEGORY	STATION TO STATION	LOCATI ON	628. 1520 LF	REMARKS	CATEGORY	STATION TO STATION	628. 75 LOCATI ON		ARKS
0010 0010	21+50 - 32+00 10+86 - 15+37	CTH F STH 64	2294 451	DI RECT BY ENGINEER DI RECT BY ENGINEER	0010 0010	21+00 - 32+00 11+00 - 15+37			CT BY ENGINEER CT BY ENGINEER
		TOTAL 0010	2745				TOTAL 0010 1	84	
		MOBILIZATIONS EROSI	ON CONTROL						
							FERTILIZER TYPE B		
CATEGORY	STATION TO STATION	LOCATI ON	628. 1905 EACH	REMARKS				629. 0210	
0010	20+98 - 32+00	CTH F\STH 64	2	PROJECT	CATEGORY	STATION TO STATION	LOCATI ON	CWT	REMARKS
		TOTAL 0010	2		0010 0010	20+98 - 32+00 8+37 - 15+37	CTH F STH 64	5. 5 1. 5	LT, RT LT
							TOTAL 0010	7. 0	
		MODILL ZATLONG EMED	CENCY EDOSLON	CONTROL			101712 0010	7. 0	
		MOBILIZATIONS EMER	GENCY ERUSION	CONTROL					
			628. 1910				SEEDING MIXTURE NO.	30	
CATEGORY	STATION TO STATION	LOCATI ON	EACH	REMARKS					
0010	20+98 - 32+00	CTH F\STH 64	4	PROJECT	04750000	CTATLON TO CTATLON	LOCATION	630. 0130	DEMARKS
00.0	20170 02100				CATEGORY	STATION TO STATION	LOCATI ON	LB	REMARKS
		TOTAL 0010	4		0010 0010	20+98 - 32+00 10+86 - 15+37	CTH F STH 64	600 100	LT, RT LT
					0010	10+60 - 15+37	31n 04		LI
							TOTAL 0010	700	
		EROSION MAT CLASS I	TYPE B						
			628. 2004				SEEDING TEMPORAR	<u>1Y</u>	
CATEGORY	STATION TO STATION	LOCATI ON	SY	REMARKS	_				
0010	20+98 - 32+00	CTH F		DITCH. DIRECT BY ENGINEER	('/\	STATION TO STATION	LOCATI ON	630. 0200 LB	REMARKS
0010	10+86 - 15+37	STH 64	800	DITCH. DIRECT BY ENGINEER					
		TOTAL 0010	2760		0010 0010	20+98 - 32+00 10+86 - 15+37	CTH F STH 64	300 100	LT, RT LT
							TOTAL 0010	400	
PROJECT NO: 86	20-07-73	HWY: STH 40	CO	UNTY: CHIPPEWA	MISCEL	LANEOUS QUANTITIES		SHE	ET: E
FILE NAME : N:\PDS\\030200				PLOT DATE : June 14			E : 030808111109 PLOT SCALE : 1:1		·· <u>-</u>

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SILT FENCE MAINTENANCE

SIGNS REFLECIVE TYPE II AND SUPPORTS REMOVING SIGNS TYPE II AND SMALL SIGNS SUPPORTS

-	-					637.2210	634.0616	638.2602	638.3000
STATION	LOCATION	Code	Code Description	Size Width	Size Height	SIGNS REFLECTIVE TYPE II (SF)	POSTS WOOD 4X6X16-FT (EACH)	REMOVING SIGNS TYPE II (EACH)	REMOVING SMALL SIGNS SUPPORTS (EACH)
15+17	STH 64, LT	D1-3	Triple Destination/Arrow, NEW AUBURN, NEW RICHMOND, BLOOMER	96 in	36 in	24.00	2	1	2
11+00	STH 64. LT	D9-2	HOSPITAL	24 in	24 in	4.00	1	1	1
11+00	STH 64, LT	M6-1	Arrow - RIGHT, LEFT, OR AHEAD	21	21	3.06	·	1	·
11+00	STH 64, LT	J3-4	Directional Assembly (4 Headed Route Panel), WEST 64, F, SS, SOUTH 40	96	57	38.00	2	10	2
11100	CROSSROAD, LT	R1-1	STOP	36	36	9.00	1	1	1
	CROSSROAD, LT	R1-1	STOP	36	36	9.00	1	1	1
	CROSSROAD, RT	R1-1	STOP	36	36	9.00	1	1	1
	CROSSROAD, RT	R1-1	STOP	36	36	9.00			
	CROSSROAD, LT	R5-1	Do Not Enter	30	30	6.25	1	1	1
	CROSSROAD, RT	R5-1	Do Not Enter	30	30	6.25	1	1	1
15+17	STH 64, RT	R2-1	SPEED LIMIT 55 MPH	24	30	5.00	1	1	1
13+00	STH 64, RT	D2-2	CORNELL 19, BRUCE 30	66	24	11.00	2	1	2
13+00	STH 64, RT	J4-2	NORTH 40, EAST 64	48	36	12.00		4	
6+60	STH 64, RT	J3-4	Directional Assembly (4 Headed Route Panel), SS, F,40,EAST 64	96	57	38.00	2	9	2
6+60	STH 64, RT	D9-2	HOSPITAL	24	24	4.00	1	1	1
6+60	STH 64, RT	M6-1	Arrow - RIGHT, LEFT, OR AHEAD	21	21	3.06		1	
23+75	CTH F, RT	J4-1	NORTH, CTH F	24	36	6.00	1	1	1
28+70	CTH F, RT	W13-1	35 MPH	18	18	2.25	1	1	1
28+70	CTH F, RT	W1-2R	ARROW CURVE	30	30	6.25		1	
22+50	CTH F, LT	J13-4	Directional Assembly (4 Headed Route Panel),40. 64, F, SS	96	45	30.00	2	8	2
28+50	CTH F, LT	W3-1	STOP AHEAD	36	36	9.00	1	1	1
30+50	CTH F, LT	J1-2	JCT 40, 64	48	39	13.00	1	3	1
				PROJECT TOTA	L	257.12	22.00	50.00	22.00

PROJECT NO: 8620-07-73 HWY: STH 40 COUNTY: CHIPPEWA MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: 030808111109 PLOT SCALE: 1:1

FIELD OFFICE TYPE C

TRAFFIC CONTROL WARNING LIGHTS TYPE A

		FIELD OFFICE TYP	<u> </u>				TRAITIC CONTROL WARNI	NO ETOINS THE	- 11
CATEGORY	STATION TO STATION	LOCATI ON	642. 5201 EACH	REMARKS		CATEGORY	LOCATI ON	643. 0705 DAY	REMARKS
0010	20+98 - 32+00	CTH F/STH 64	1	PROJECT		0010	CTH F/STH 64	680	10 LIGHTS X 68 DAYS
		TOTAL 0010	0 1				TOTAL 0010	680	
		TRAFFIC CONTROL	. (01. 8620-07-73)				TRAFFIC CONTROL WARN	ING LIGHTS TY	PE C
			643. 0100			CATEGORY	LOCATI ON	643. 0715 DAY	REMARKS
CATEGORY	STATION TO STATION	LOCATI ON	EACH	REMARKS		0010	CTH F/STH 64	1088	16 LIGHT X 68 DAYS
0010	20+98 - 32+00	CTH F/STH 64 TOTAL 00°	10 1	PROJECT			TOTAL 0010	1088	
							TRAFFIC CONTROL SIGNS	<u> </u>	
	TRAFFIC CONTROL	<u>DRUMS</u>				CATEGORY	LOCATI ON	643. 0900 DAY	REMARKS
CATEGORY	LOCATI ON	643. 0300 DAY	REMARKS			0010	CTH F/STH 64	1564	23 SIGNS X 68 DAYS
0010	PROJECT	3060	45 DRUMS X 68 DAYS				TOTAL 0010	1564	
	TOTAL 0010	3060							
	TRAFFIC CONTROL R	MADDICADES TVDE III					PAVEMENT MARKING EP	OXY 4-INCH	
	TRAFFIC CUNTRUL B	BARRICADES TYPE III 643.0420			CATEGORY	STATION TO STATION	LOCATI ON	646. 0106 LF	REMARKS
CATEGORY	LOCATI ON	DAY	REMARKS	_	0010	8+37 - 15+37	STH 64	1400	WHITE EDGELINE LT, RT
0010	CTH F/STH 64	272	4 BARRI CADE X 68 DAYS		0010 0010	20+98 - 32+00 20+98 32+00	CTH F CTH F	2204 2204	WHITE EDGELINE LT, RT DOUBLE YELLOW C/L
	TOTAL 0010	272					TOTAL 0010	5808	
PROJECT NO: 8620	0-07-73	HWY: STH 40	COUNTY:	CHIPPEWA		MISCELLANEOUS QUANTITIE	S		SHEET:

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: 030808111109 PLOT SCALE: 1:1

PAVEMENT MARKING EPOXY 8-INCH CONSTRUCTION STAKING SUBGRADE

CATEGORY	LOCATI ON	646. 0126 LF	REMARKS		CATEGORY	STATION TO STATION	LOCATI ON	650. 4500 LF	REMARKS
0010	STH 64	250	TURN LANE, RT		0010	20+98 - 32+00	CTH F	1102	PROJECT
0010	CTH F	30	ISLAND GORE				TOTAL 0010	1102	
†	TOTAL	. 0010 280							
		PAVEMENT MARKING	SAM DAY EPOXY 4	- I NCH					
			646. 0406				CONSTRUCTION STAKING	G BASE	
CATEGORY	STATION TO STATION	LOCATI ON	<u>LF</u>	REMARKS					
0010	8+37 - 15+37	STH 64	1400	DOUBLE YELLOW C/L	CATEGORY	STATION TO STATION	LOCATI ON	650. 5000 LF	REMARKS
		TOTAL 0010	1400		0010	20+98 - 32+00	CTH F	1102	PROJECT
							TOTAL 0010	1102	
		PAVEMENT MARKING STOP	LINE EPOXY 18-I	NCH					
		6-	47. 0566				CONSTRUCTION STAKING	CURB GUTTER AND C	CURB & GUTTER
CATEGORY	STATI ON	LOCATI ON	LF	REMARKS					
0010 0010	21+01 396+70	CTH F STH 40	42 43	LT RT	CATEGORY	STATION TO STATION	LOCATI ON	650. 5500 LF	REMARKS
0010	390+70			KI	0010	0+00 - 0+77	CTH F	77	NE, RT
		T0TAL 0010	85		0010	0+00 - 0+67	CTH F	67	NW, LT
							TOTAL 0010	144	
		LOCATING NO-PASSING	ZONES .						
							CONSTRUCTION STAKING	G PIPE CULVERTS	
CATEGORY	STATION TO STATION	LOCATI ON	648. 0100 MI	REMARKS					
0010		CTH F/STH 64	0. 33	PROJECT	CATEGORY	STATION TO STATION	LOCATI ON	650. 6000 EACH	REMARKS
		TOTAL 0010	0. 33		0010 0010	25+12 30+00	CTH F CTH F	2 1	DRIVEWAY AND FE FE
					0010	30+00			r L
							TOTAL 0010	3	

MISCELLANEOUS QUANTITIES

SHEET:

COUNTY: CHIPPEWA PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: 030808111109 PLOT SCALE: 1:1 FILE NAME: N:\PDS\...\030200_mq.pptx

HWY: STH 40

PROJECT NO: 8620-07-73

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (01. 8620-07-73)

SPECIAL (01. ASPHALTIC SURFACE SPECIAL)

		650. 9910					SPV. 0195. 01		
CATEGORY	LOCATI ON	LS	REMARKS	CATEGORY	STATION TO STATION	LOCATI ON	TON	REMARKS	
0010	CTH F/STH 64	1	PROJECT	0010	20+98 - 32+00	CTH F	1100	MAI NLI NE	
				0010	8+37 - 15+37	STH 64	350	MAI NLI NE	
	TOTAL 0010	1		0010		CTH F	20	DRI VEWAY	
						TOTAL 0010	1470		

CONSTRUCTION STAKING SLOPE STAKES

			650. 9920	
CATEGORY	STATION TO STATION	LOCATI ON	LF	REMARKS
0010	20+98 - 32+00	CTH F/STH 64	1102	MAI NLI NE
		TOTAL 0010	1102	

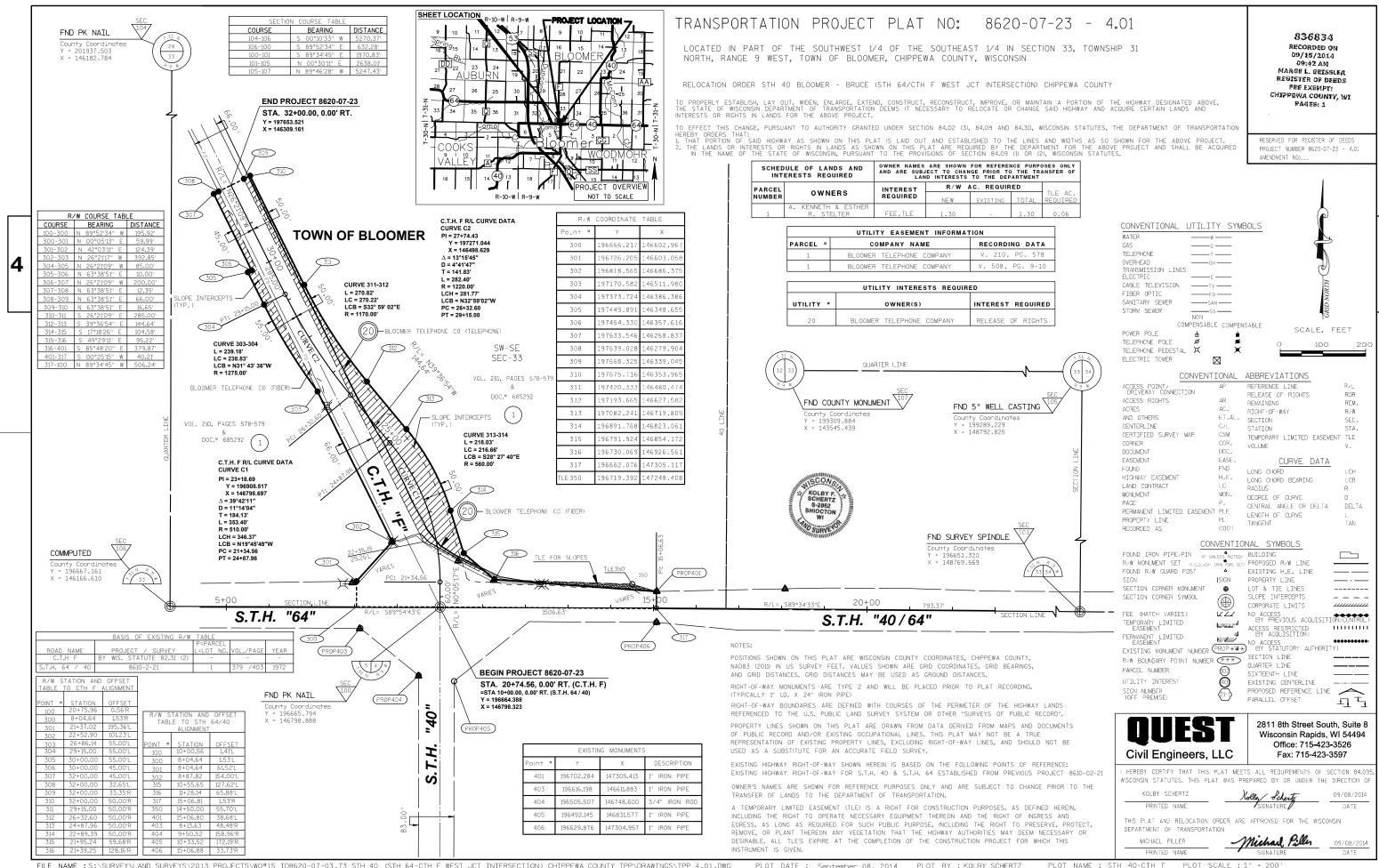
SAWING ASPHALT

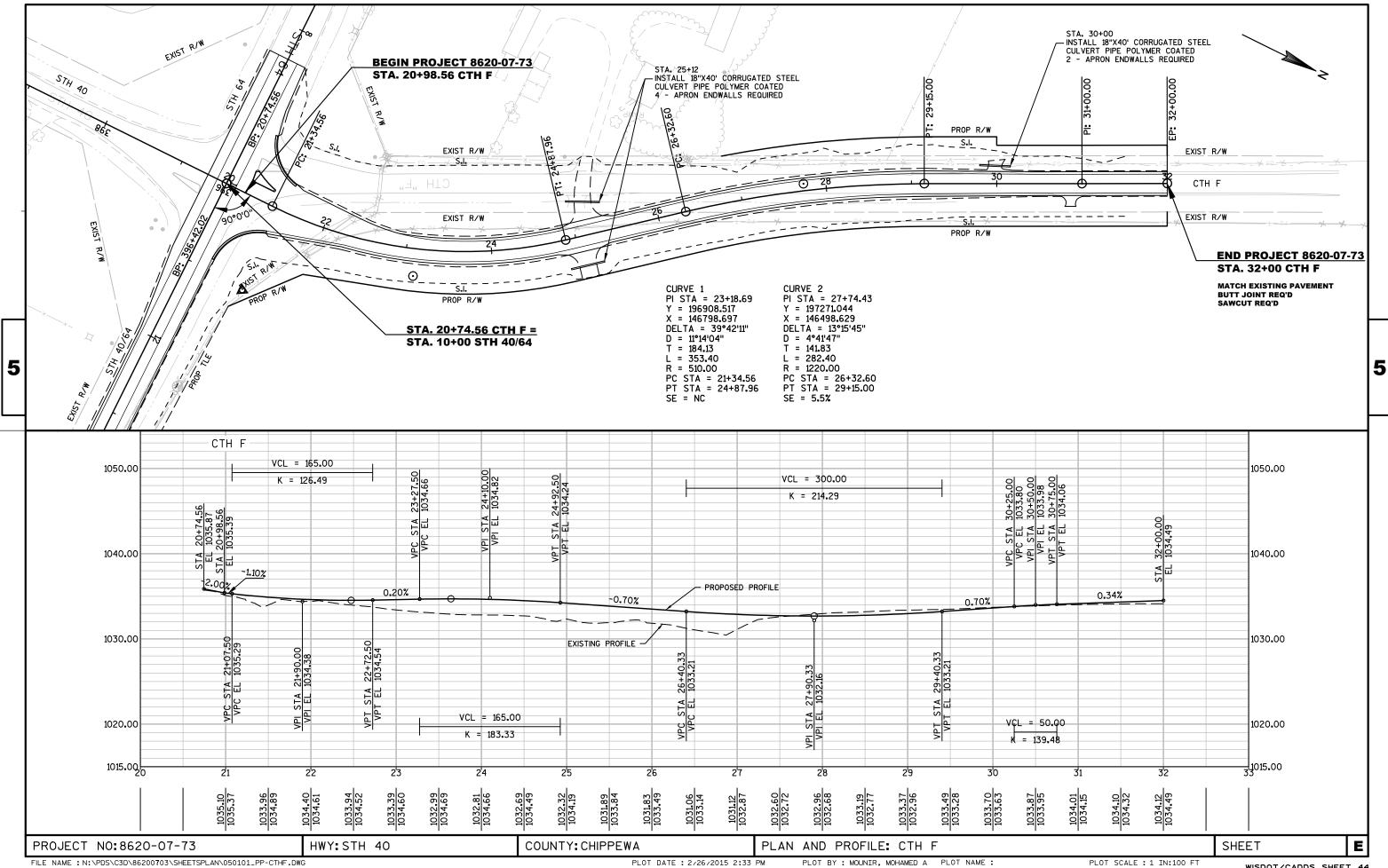
			690. 0150	
CATEGORY	STATI ON	LOCATI ON	LF	REMARKS
0010	32+00	CTH F	22	END PROJECT
0010	10+86	STH 64	300	TURN LANE, LT
0010	8+37	STH 64	24	MAI NLI NE
0010	15+37	STH 64	24	MAI NLI NE
		TOTAL 0010	370	

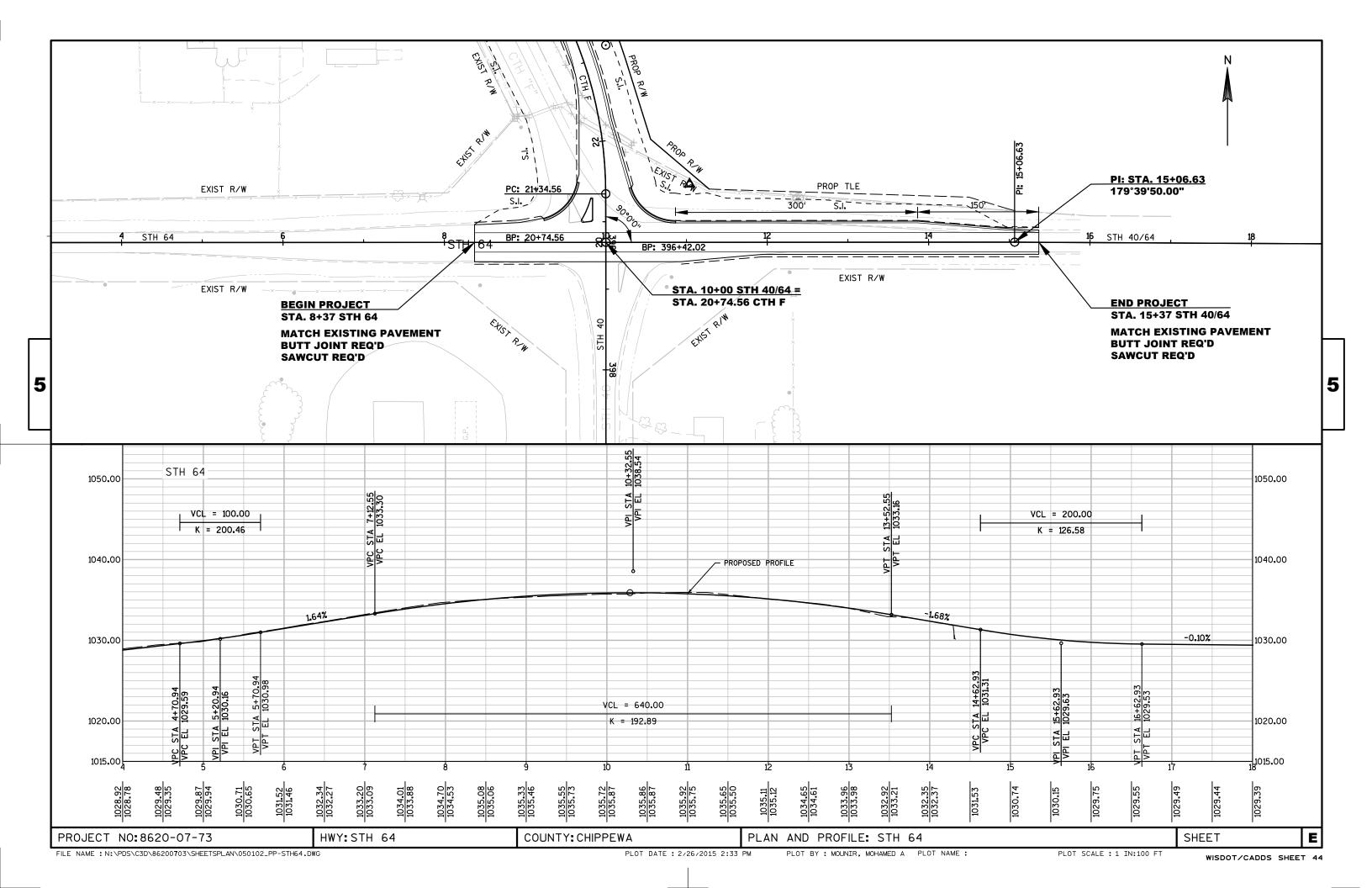
CURE AND SEAL TREATMENT CONCRETE CURB AN GUTTER

			SPV. 0090. 01	
CATEGORY	STATION TO STATION	LOCATI ON	LF	REMARKS
0010	0+00 - 0+77	CTH F	77	NE, RT
0010	0+00 - 0+67	CTH F	67	NW, LT
		TOTAL 0010	144	

PROJECT NO: 8620-07-73 HWY: STH 40 COUNTY: CHIPPEWA MISCELLANEOUS QUANTITIES SHEET: **E**

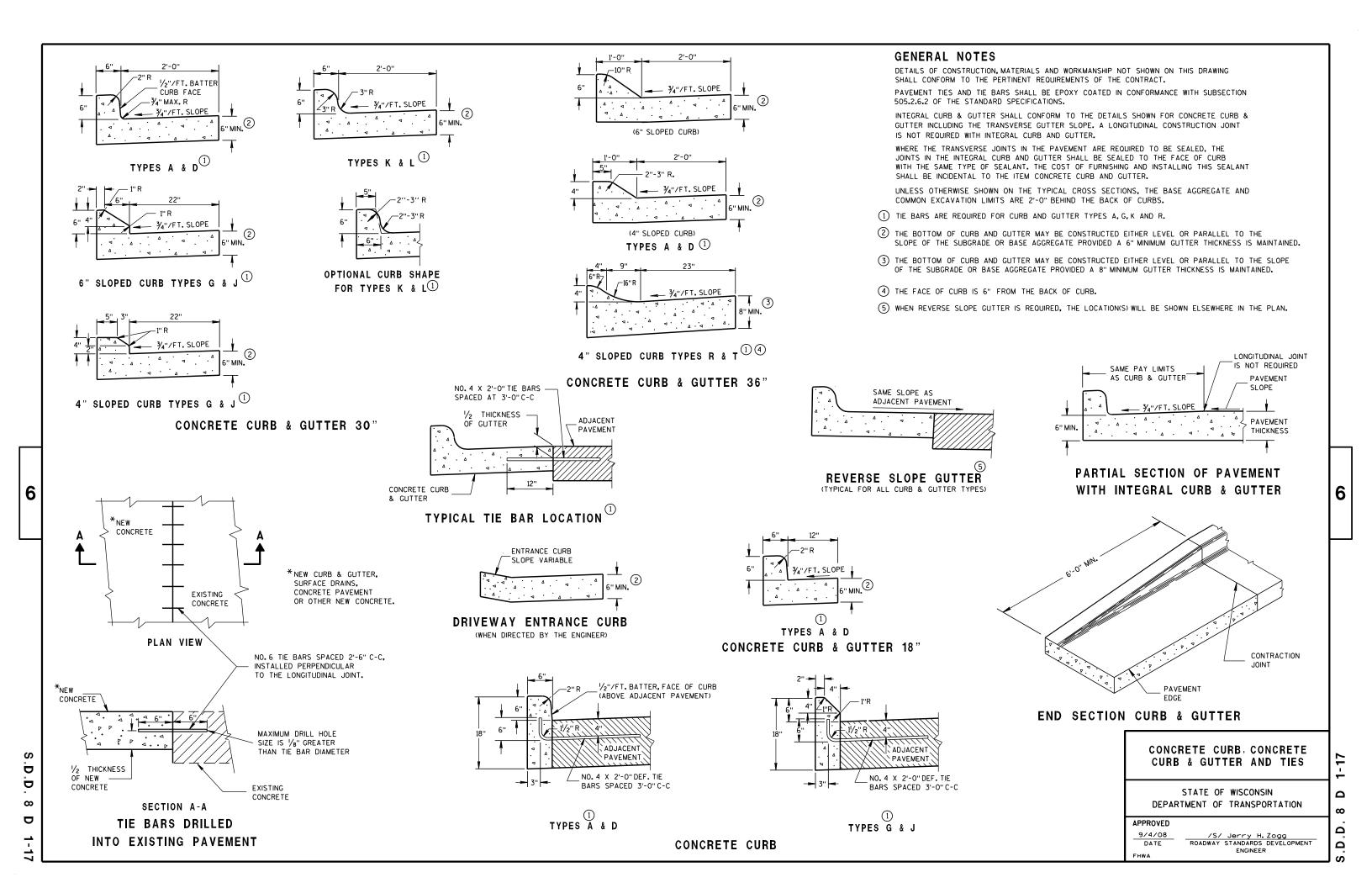


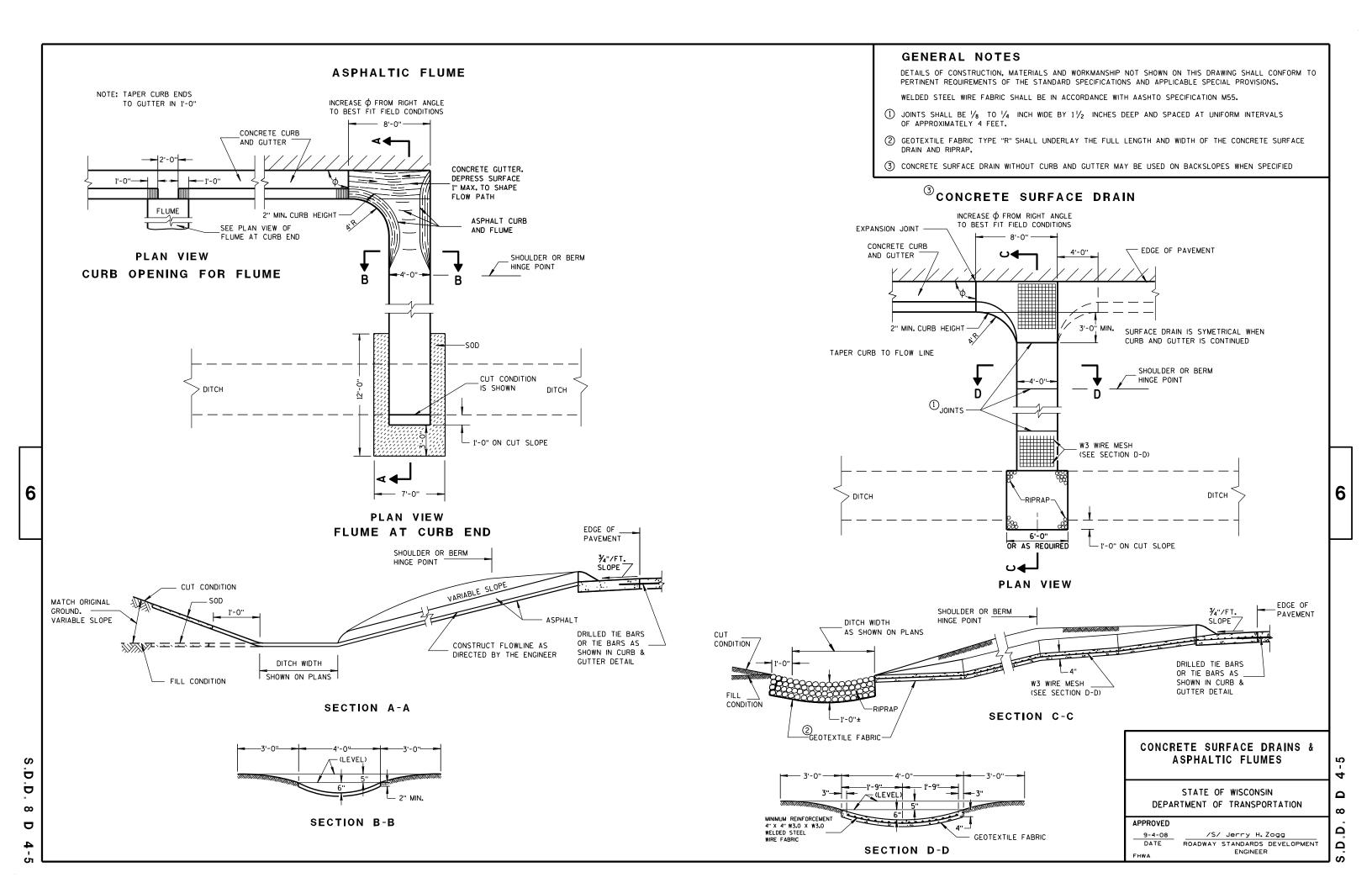




Standard Detail Drawing List

08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
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"
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

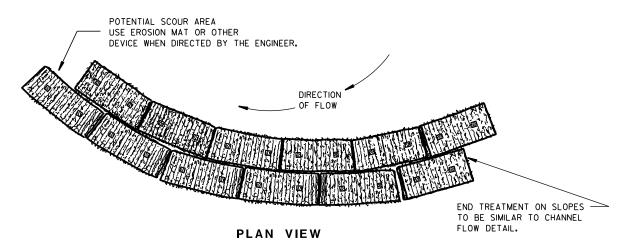




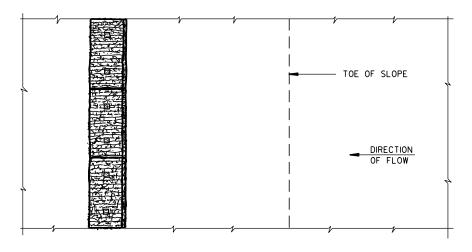
GENERAL NOTES

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.

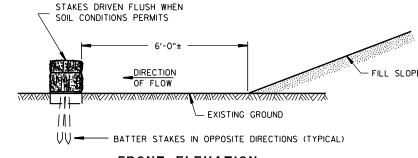
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



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

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

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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 11/8" X 11/8" 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



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

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DETAIL FOR END SECTION

ATTACHMENT.

STEEL ADAPTER SLEEVE FOR

CONCRETE PIPE

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS DIMENSIONS (Inches) L DIMENSIONS MIN. THICK DIA. LENGTH INCHES LENGTH INCHES OVERALL LENGTH SLOPE SLOPE SLOPE (IN.) (Inches) INCHES WIDTH 15 10:1 70 .064 21 37 4:1 20 6:1 30 18 .064 24 40 4:1 32 6:1 48 10:1 100 8 21 .064 6 27 43 4:1 44 6:1 66 10:1 130 24 .064 8 6 30 46 4:1 6:1 84 10:1 160 30 .109 12 36 4:1 80 120 60 220 10:1 36 .109 12 9 42 66 4:1 104 6:1 156 10:1 280 42 .109 16 48 80 4:1 128 6:1 192 48 54

4:1

4:1

GENERAL NOTES

APPROVED EQUAL.

12

12

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16

16

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.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR

152

176

200

6:1

6:1

228

264

300

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS DIMENSIONS (Inches) L DIMENSIONS MIN. THICK (Inches) LENGTI OVERALL LENGTH LENGTH (Inches) SLOPE SLOPE SLOPE INCHES INCHES (Inches) SPAN RISE WIDTH 44 4:1 30 10:1 ② 70 13 .064 * 8 6 27 43 4:1 20 21 15 6:1 30 10:1 70 .064 * 24 8 6 30 46 4:1 32 6:1 48 10:1 100 21 18 .064 * 8 6 50 4:1 40 60 10:1 120 28 6:1 24 20 .079 × 12 9 30 35 24 41 65 4:1 56 6:1 84 10:1 160 .109 * 12 9 48 4:1 76 6:1 114 72 10:1 210 36 42 29 .109 12 55 4:1 92 42 49 33 16 87 6:1 138 57 .109 16 12 63 95 4:1 112 168 48 38 6:1 132 6:1

86

92

(1) * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".

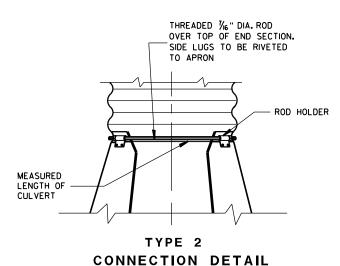
.109

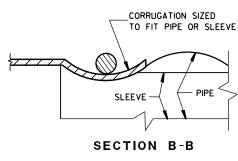
.109

.109

54

2 ACTUAL SLOPE GREATER THAN 10:1.



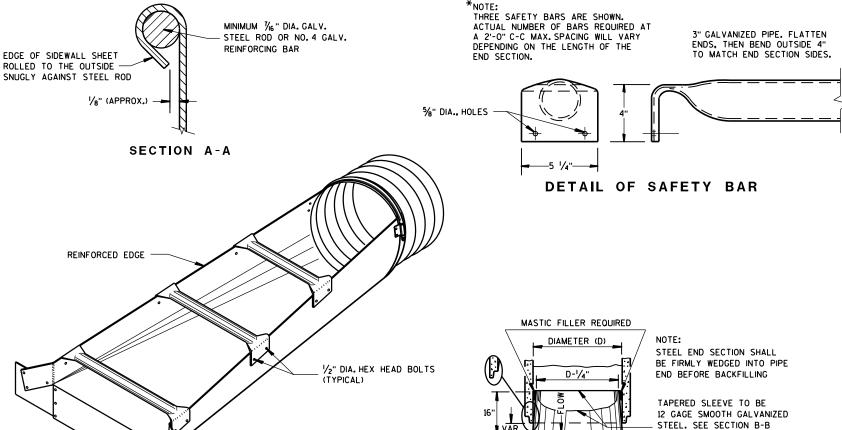


STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

9/14/2012 /S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT DATE ENGINEER FHWA



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TOP OF SLOPED

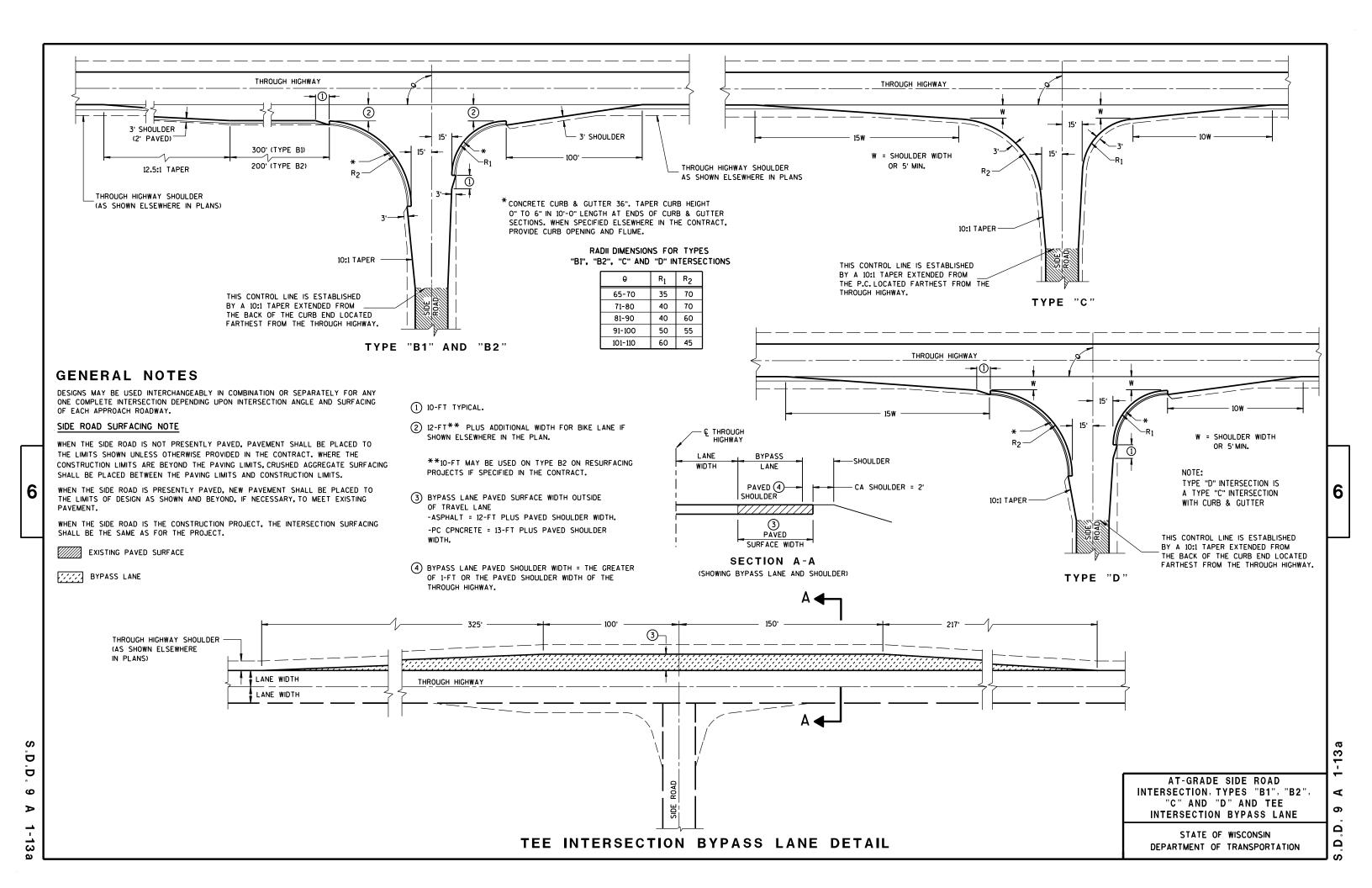
OVERALL WIDTH

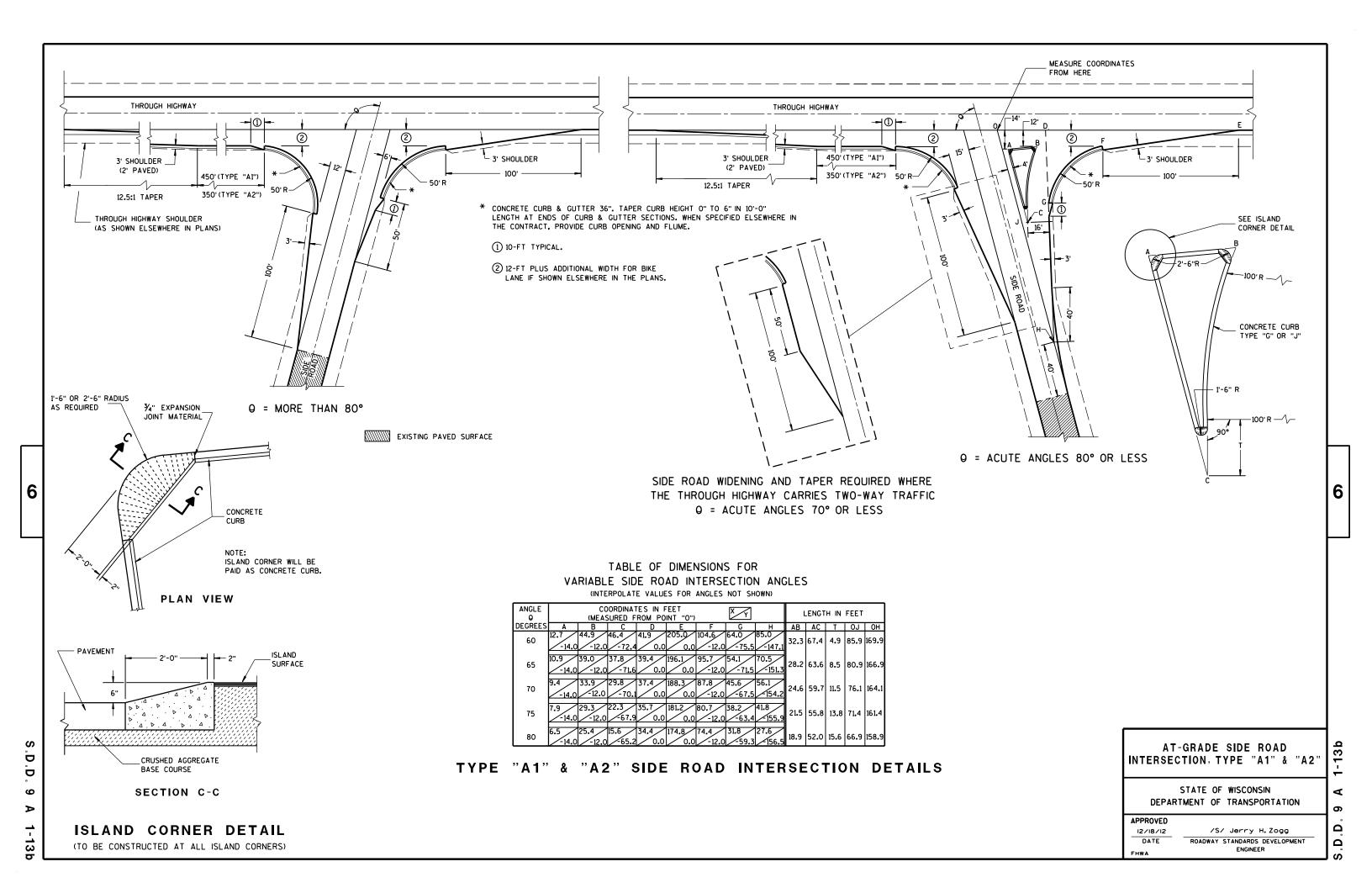
FRONT VIEW

ISOMETRIC VIEW

END SECTION

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TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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C

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

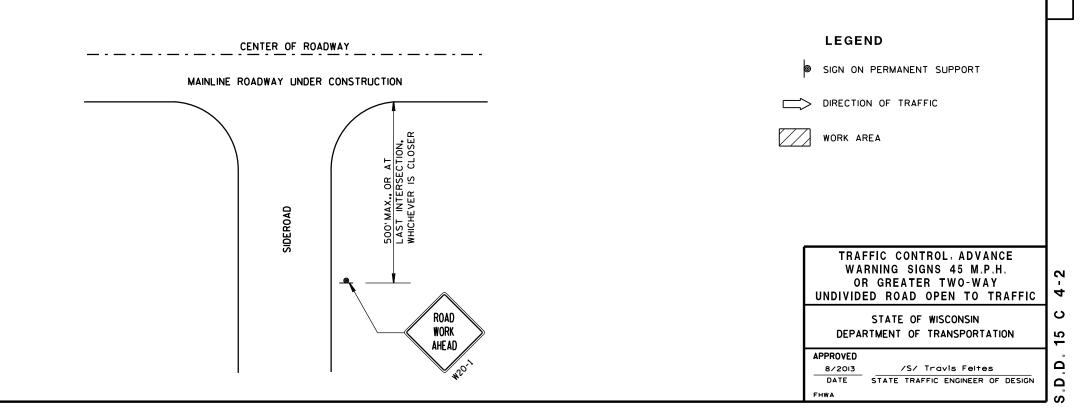
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

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

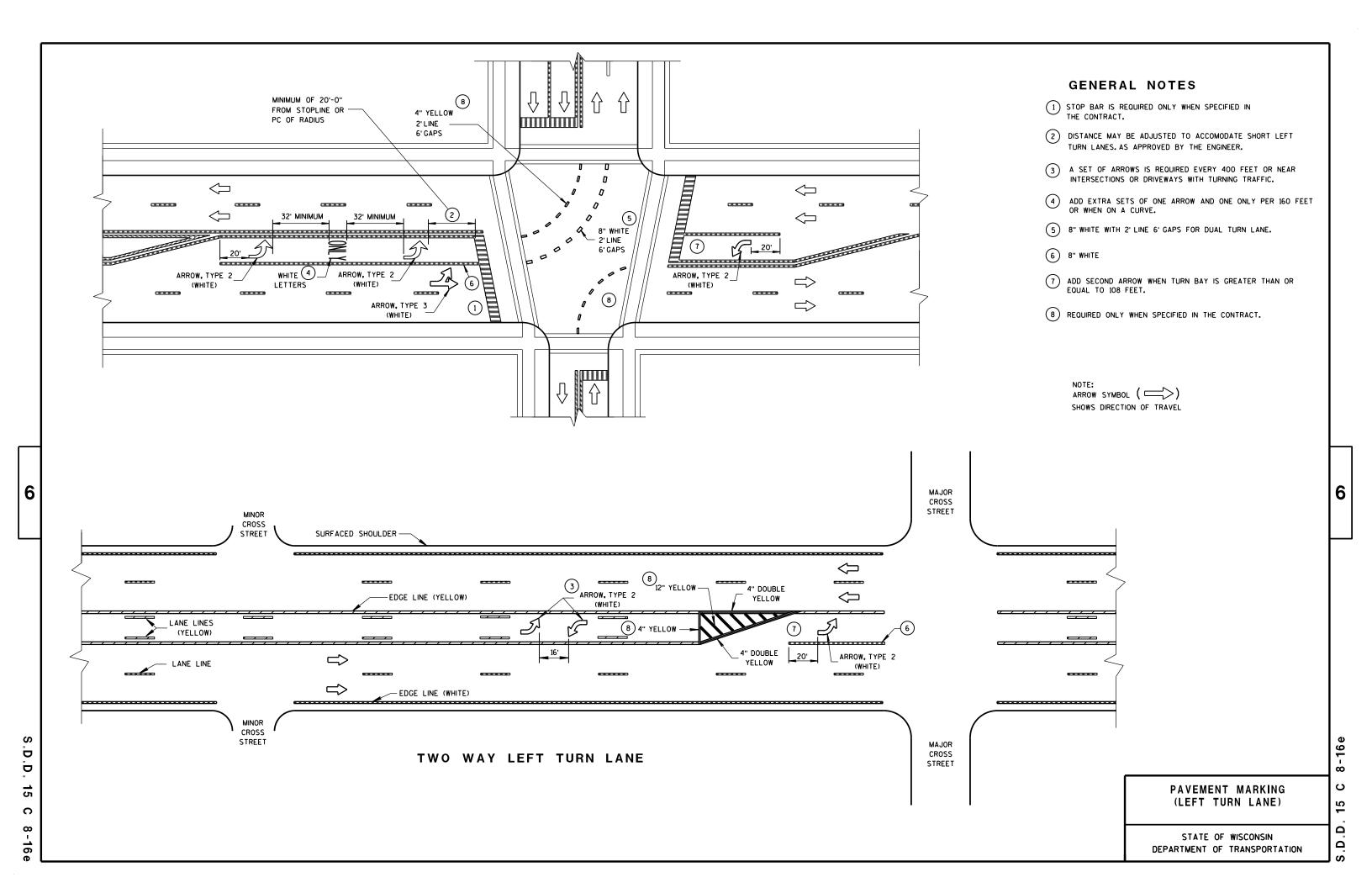
IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

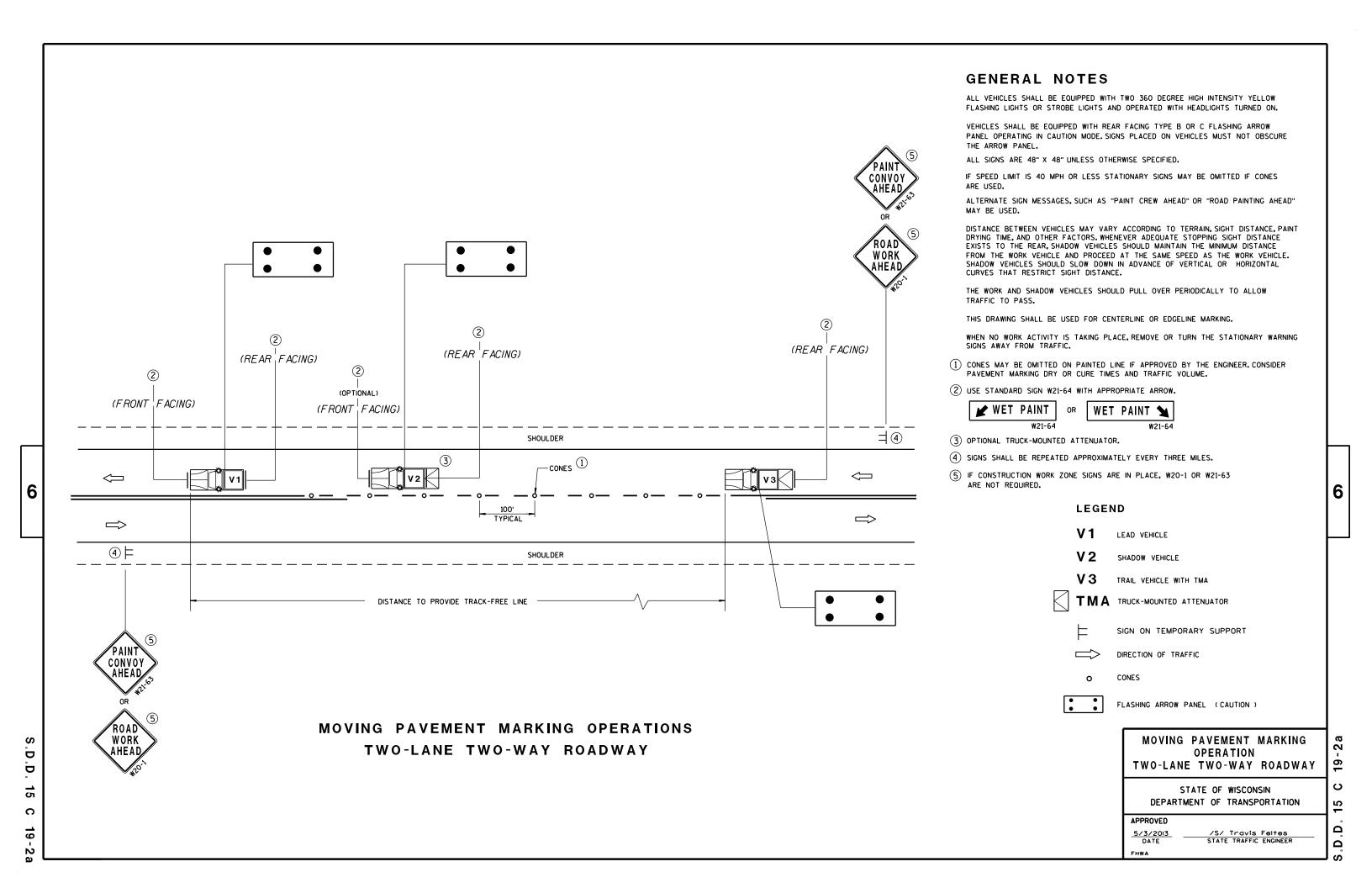


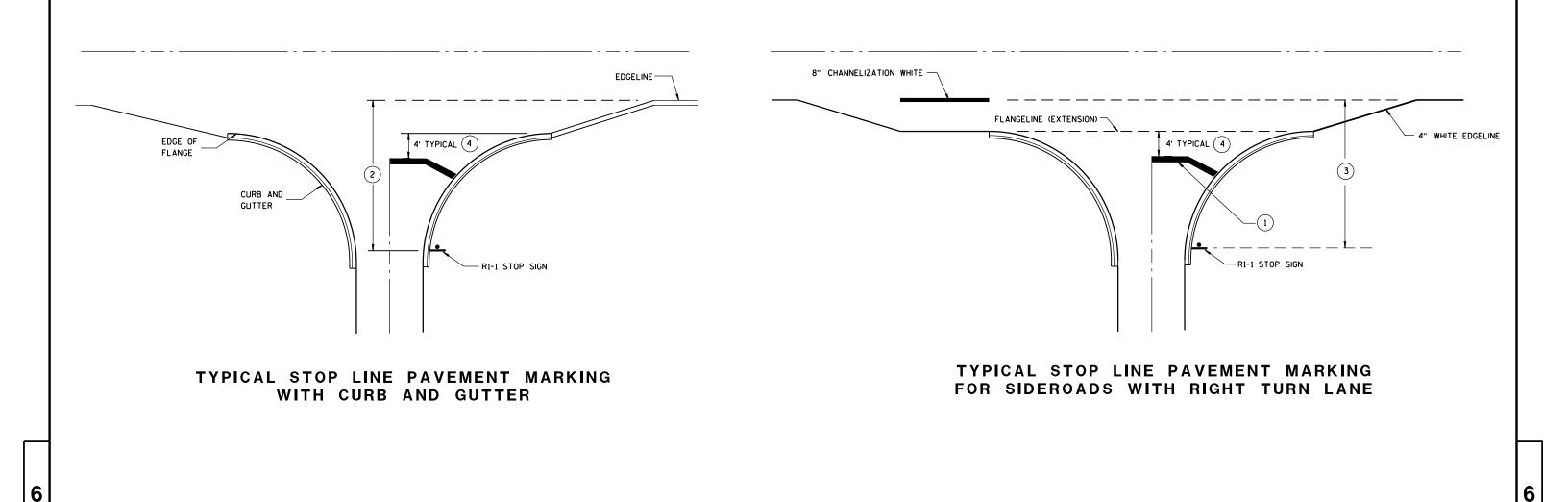


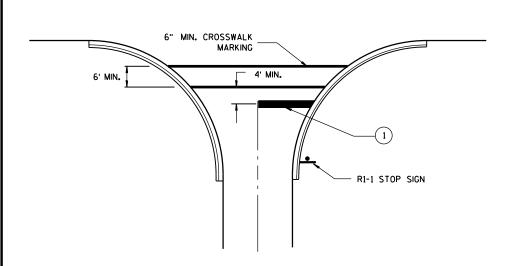




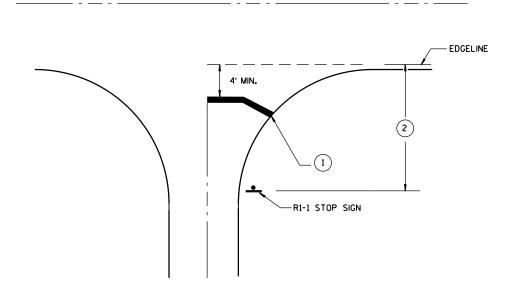








TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



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.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

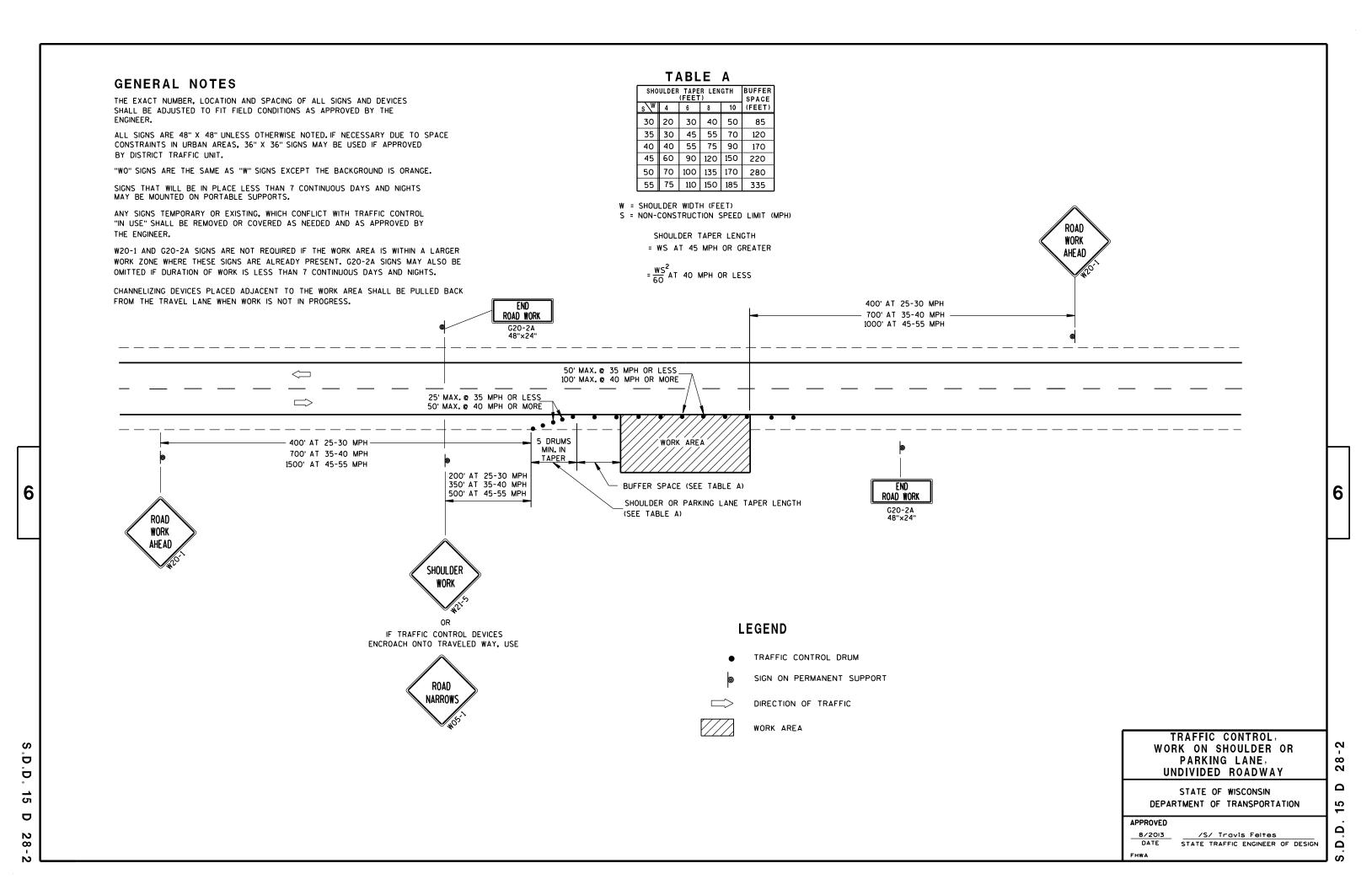
STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

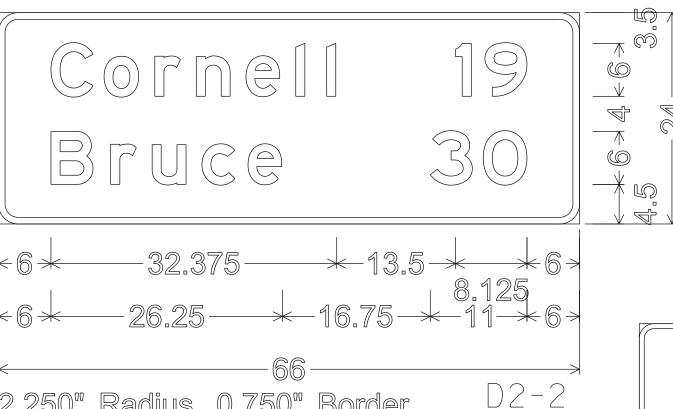
S.D.D.



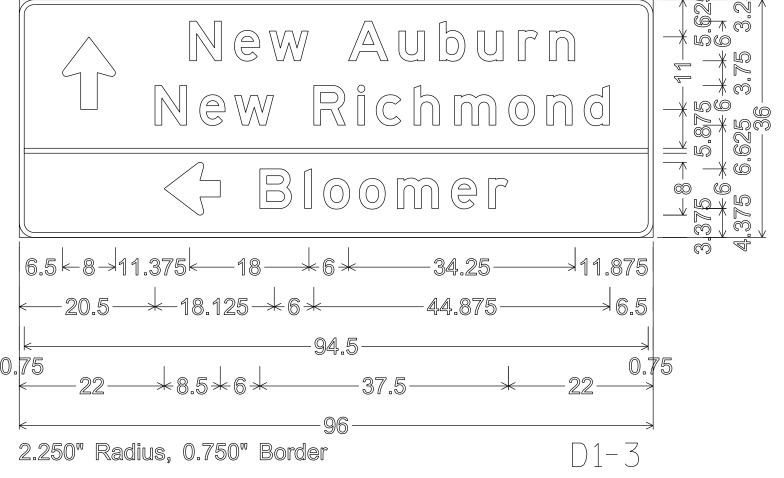
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - Green Message - White

3. Message Series - E



2.250" Radius, 0.750" Border



PLOT NAME :

PLOT DATE: 20-NOV-2014 07:54

SHEET NO:

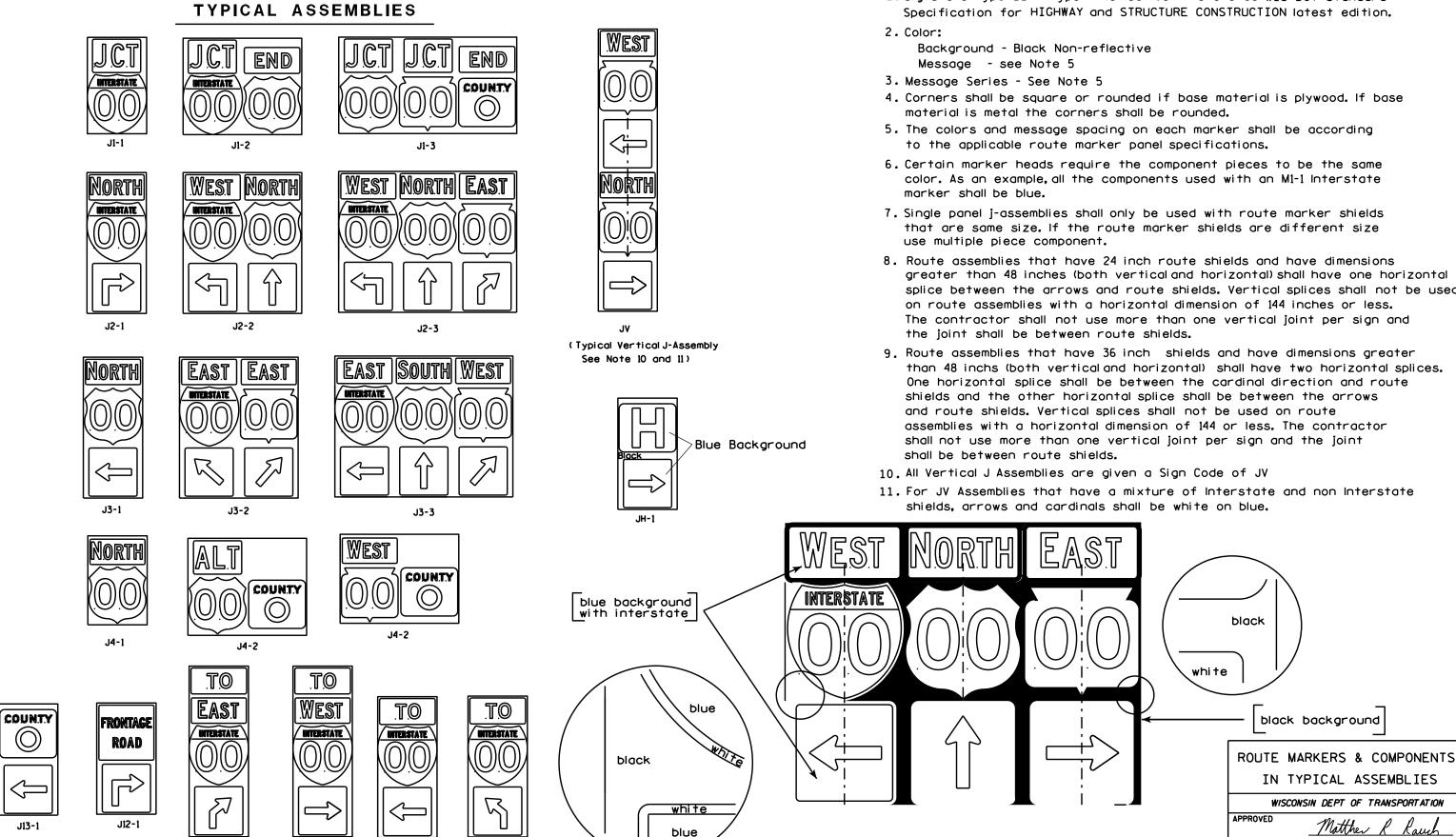
FILE NAME: C:\CAEfiles\Projects\tr_d6\6092ao14.dgn

PLOT BY: mscj9h

PLOT SCALE: 16.353158:1.000000

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater 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.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

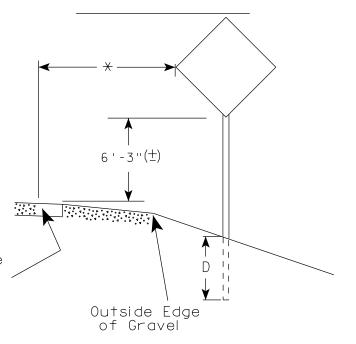
SHEET NO:



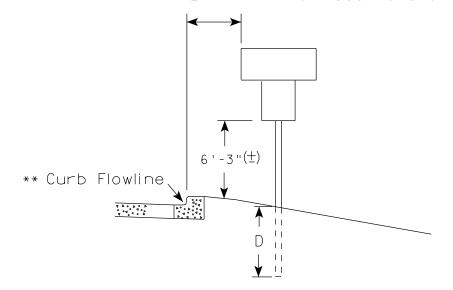
URBAN ARFA

2' Min - 4' Max (See Note 6) 7'-3"(士) ** Curb Flowline. White Edgeline Location

RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated.

HWY:

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.

PLOT DATE: 12-NOV-2014 14:03

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 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'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . 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'' (\pm).

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN COUNTY:

PLOT BY: mscsja

PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT SCALE: 99.237937:1.000000



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



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

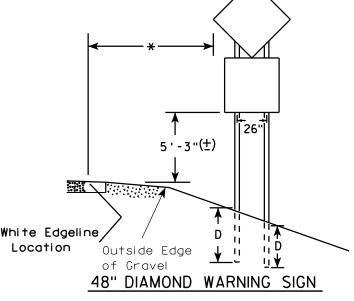
GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways. mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- *** See A4-3 sign plate for signs 4' or less in width or less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ****\ Flowline D **7000** White Edgeline

2' Min - 4' Max (See Note 6) 6'-3"(±) Curb Flowline. 48" DIAMOND WARNING SIGN

D 11



COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED	
	L	E
* * *	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 120" less than 168"	12"

HWY:

White Edgeline,

Location

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

Location

Outside Edae

of Gravel

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

PLATE NO. A4-4.13

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 12-NOV-2014 14:01

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/12/14



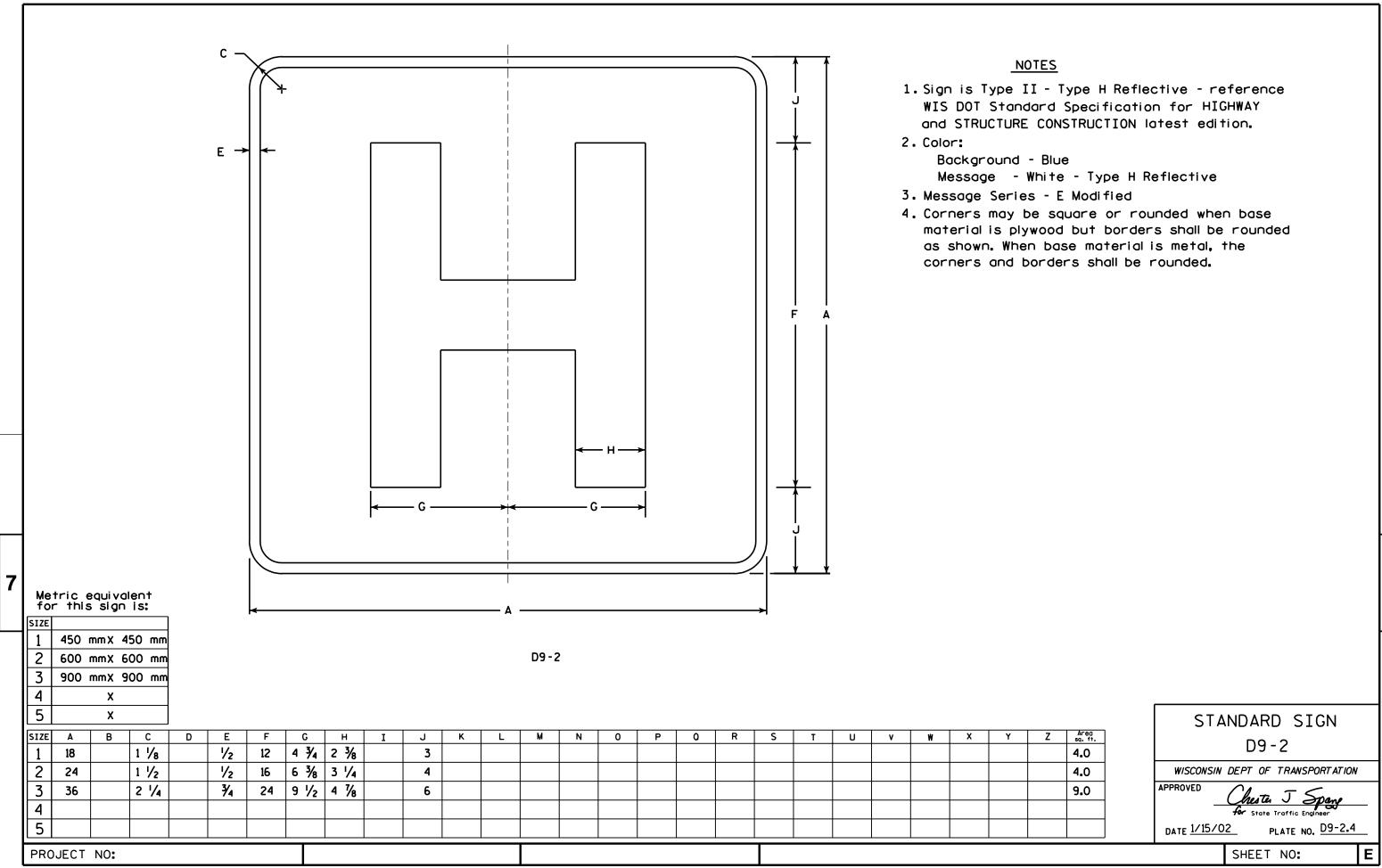


PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

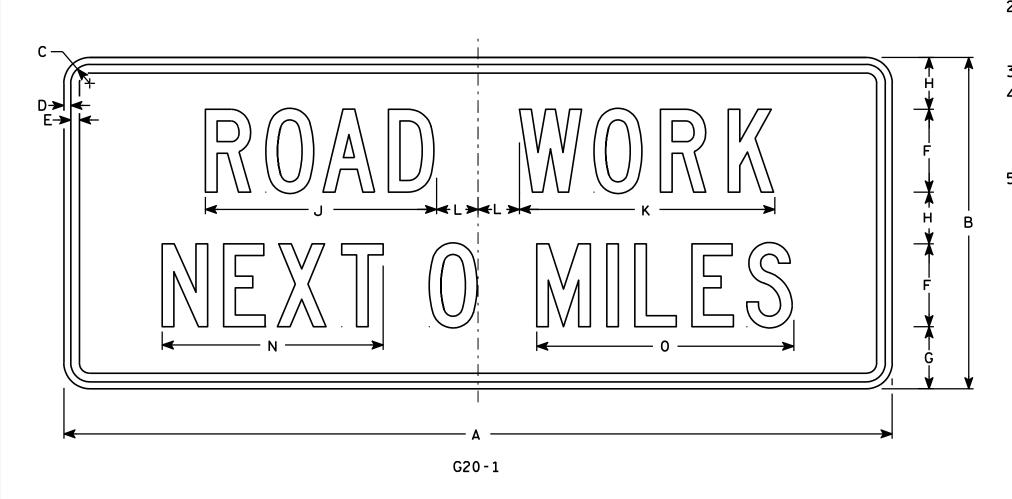
For State Traffic Engineer



- 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.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance



Metric equivalent for this sign is:

PROJECT NO:

SIZE				
1				
2	1500	mm X	600	mm
3				
4	1500	mm X	600	mn
5				

SIZE	Α	В	С	D	E	F	C	Н	I	J	K	L	M	N	0	Ρ	0	R	S	Т	C	٧	₩	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 %												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 1/2	3		16	18 %												10	.90
5																												

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chests J Spane for State Traffic Enginee PLATE NO. G20-1.7 DATE 4/8/97

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\G201.DGN

HWY:

PLOT DATE: 12-0CT-2005 17:02

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE: 6.954307:1.000000

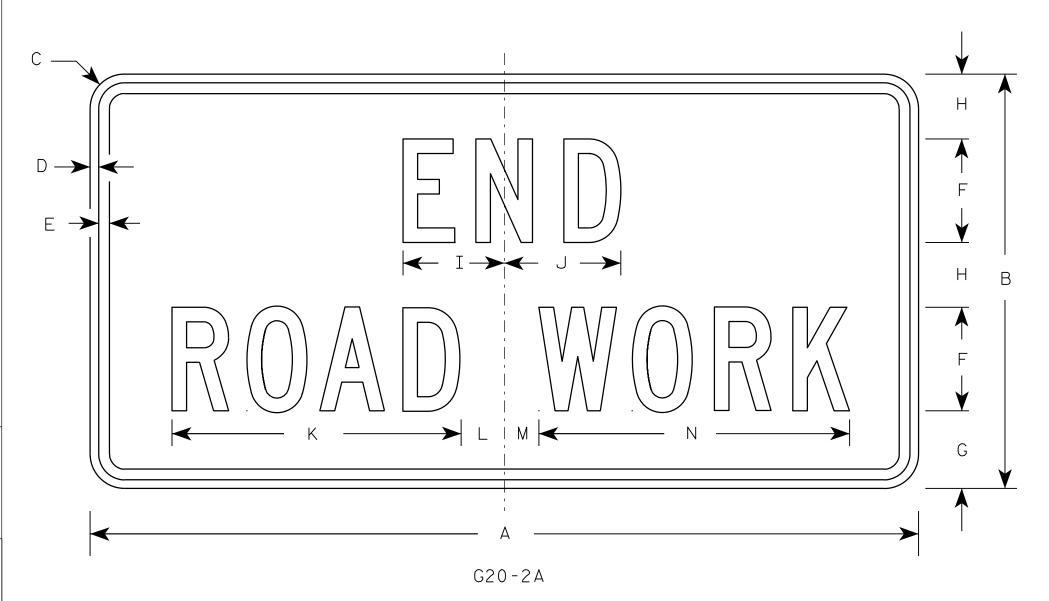
WISDOT/CADDS SHEET 42

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED AND UN A O N

Matther R Lauch

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 5.561773:1.000000

WISDOT/CADDS SHEET 42

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

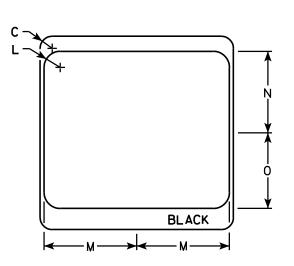
Background - White & Black - See Note 7 Message - Black

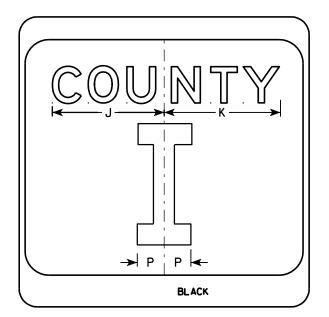
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

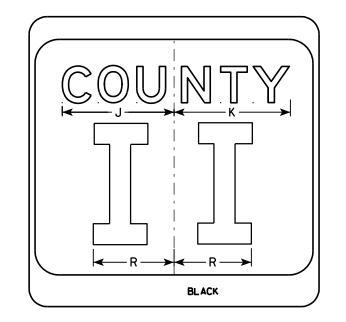
 Message Series D for 2 letters unless
 message is too big then Series C.

 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







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	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 %									4.0
3	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDO	DDO IECT NO.												COLIA	TV.													
PROJECT NO: HWY:											COUNTY:																

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

MATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A

- 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 Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
 Background Type H Reflective
 Detour or temporary Signs
 Background Reflective

BLACK	↑ G → ↑ F → → ↑ → → → → → → → → → →
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	w	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	. 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	. 81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	. 81
ب			- / -			1 .0	74	74	78	78	12 /6	/8	- /2	_ /8	10 78				<u> </u>	<u> </u>		1	<u> </u>				J.0	_

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

The state Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

PLOT NAME :



- 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

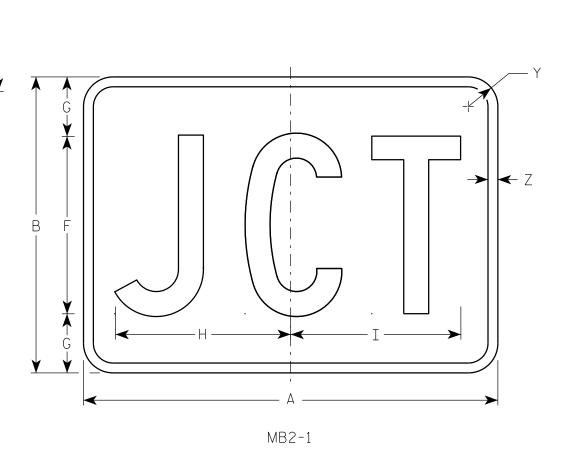
Message - Green

MN2-1 Background - Brown

Message - White

MR2-1 Background - Brown

Message - Yellow



7

SIZE G Н Ν 0 Α 1 1/8 3/8 8 1/8 8 5/8 1 1/2 1/2 3/8 21 15 9 2.20 3 30 21 1 1/8 3/8 3/8 13 12 $\frac{7}{8}$ 12 $\frac{3}{8}$ $1 \frac{1}{2}$ 1/2 4.40 12 $\frac{7}{8}$ 12 $\frac{3}{8}$ 4 30 21 1 1/8 3/8 3/8 13 1 1/2 1/24.40 12 $\frac{7}{8}$ 12 $\frac{3}{8}$ 5 3/8 3/8 30 21 1 1/8 13 4 1 1/2 1/2 4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

DATE <u>6/30/14</u>

PLATE NO. M2-1.11

SHEET NO:

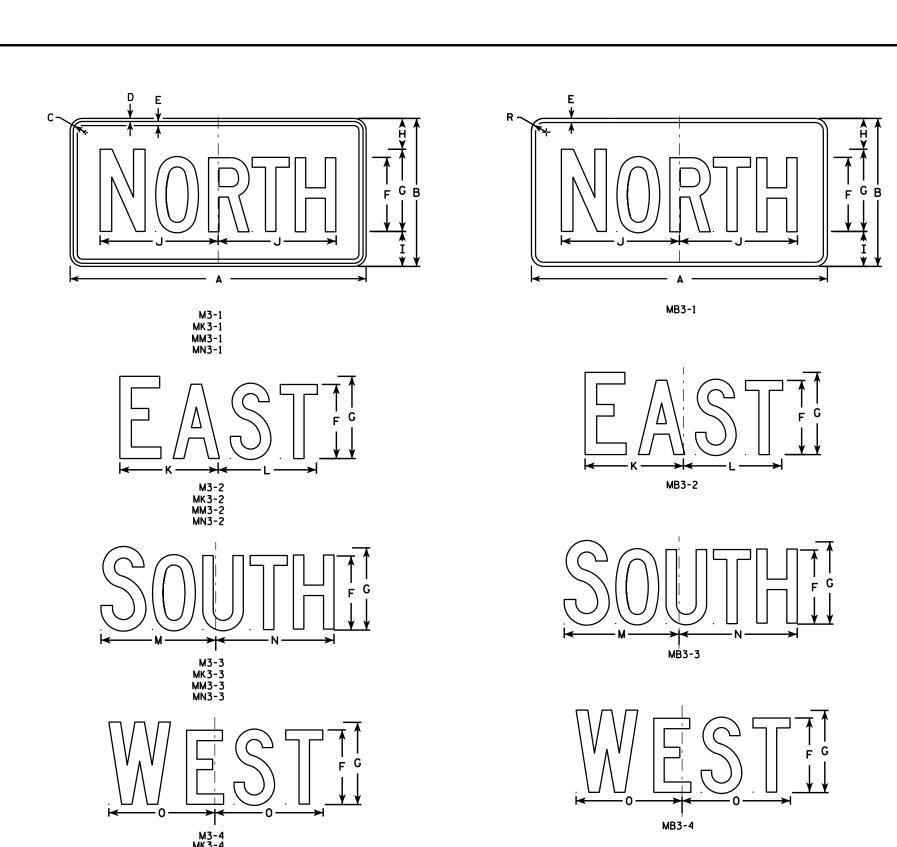
PROJECT NO:

M2-1

MK2-1 MM2-1

MN2-1 MR2-1

HWY:



- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M3-1 thru M3-4 Background White

Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

6. Note the first letter of each direction is larger than the remainder of the message.

MNO-4																										
SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	0	R	S	T	U	v	W	Х	Y	Z	Areq sq. ft.
SIZE 1																										
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7 1/8	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

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

For State Traffic Engineer

DATE 6/30/14 PLATE NO. M3-1.13

SHEET NO:

07.001/5...14.675054.4.000000

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M31.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-JUN-2014 12:53

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MG6-1 and MG6-2 Background - Green

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

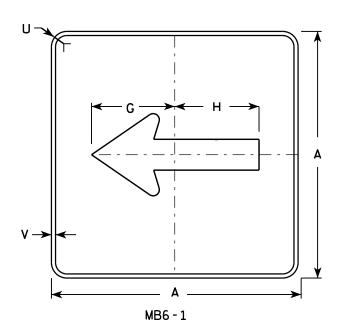
MR6-1 and MR6-2 Background - Brown

Message - Yellow

c —	
D ->	
	A
	M6 - 2
	MK 6 - 2



- MM6-2 MN6 - 2
- MO6-2
- MP6-2
- MR6-2



HWY:

M6 - 1

MK6-1

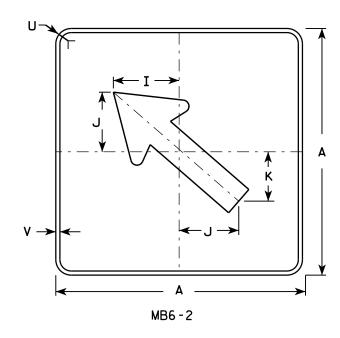
MM6 - 1

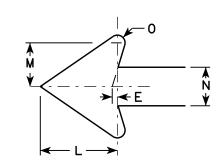
MN6-1

MO6 - 1

MP6-1

MR6-1





SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	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	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 1/8	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 1/8	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 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2**SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 7/03/14 PLATE NO. M6-1.14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M61.DGN

PROJECT NO:

PLOT DATE: 03-JUL-2014 14:28

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

- 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

and MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

and M06-6 Background - Orange - Type F Reflective

Message - Black

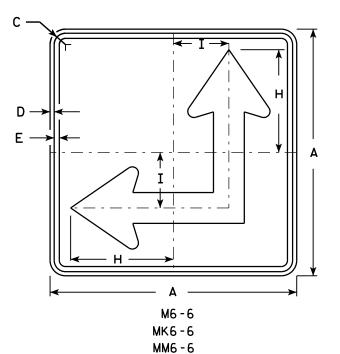
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

5. M6-6R same as M6-6L except arrow points ahead and right.

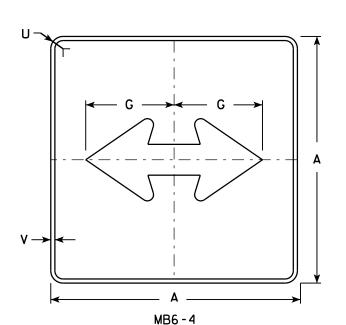


MN6-6

M06-6

MP6-6

MR6-6



HWY:

M6 - 4

MK6-4

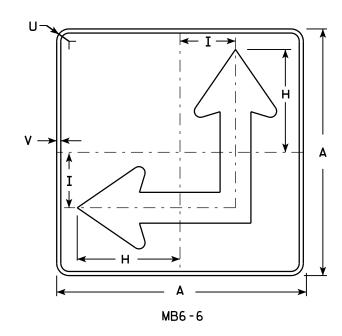
MM6 - 4

MN6 - 4

M06 - 4

MP6-4

MR6-4



	0	
M M	/	
*		_ <u>+</u>
-	- L	

SIZ	ZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	J	٧	W	Х	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	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 1/8	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 1/8	1/2					6.25
5	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 1/8	1/2					6.25
_																												

COUNTY:

STANDARD SIGN M6-4 & M6-6 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PLATE NO. M6-4.9 DATE 7/03/14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M64.DGN

PROJECT NO:

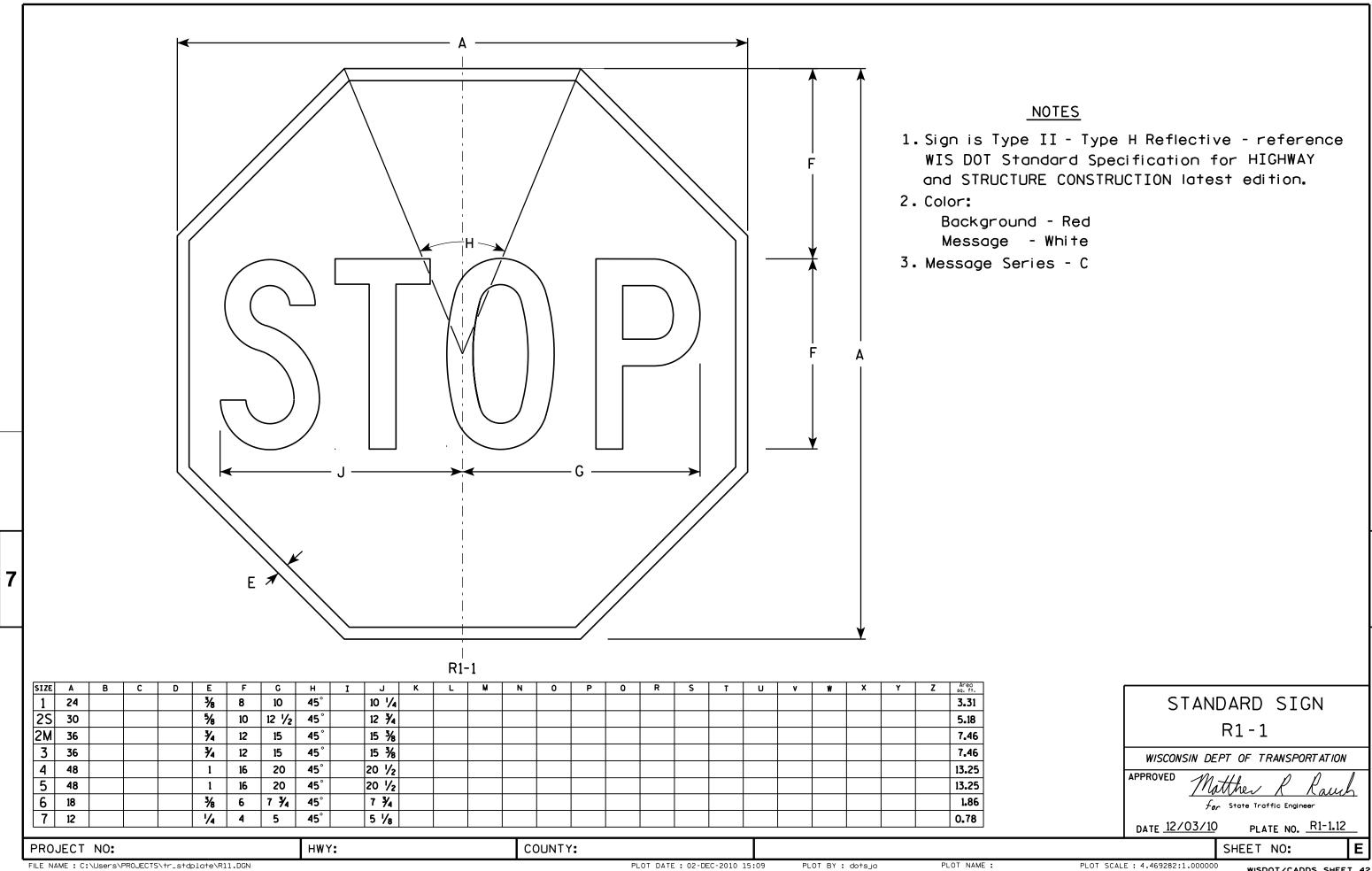
PLOT DATE: 03-JUL-2014 14:56

PLOT NAME :

PLOT BY: mscsja

WISDOT/CADDS SHEET 42

PLOT SCALE: 11.675051:1.000000



WISDOT/CADDS SHEET 42

<u>NOTES</u>

- 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.

Whi te Red White R5-1

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2S	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	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 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 ½	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	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 %	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 ½	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

SHEET NO:

PROJECT NO:

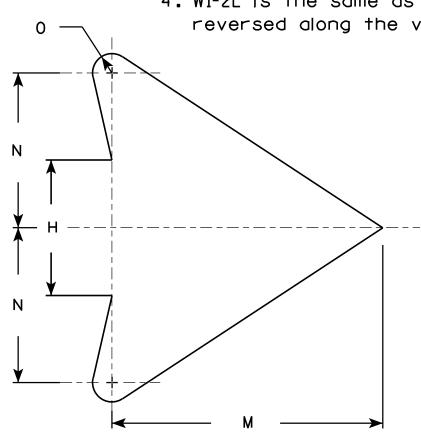
HWY:

PLOT NAME :

- 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.



ARROW	DETAIL

	1 24 1 1/8 3/8 1/2 8 1/4 3 1/2 1 3/4 2 3/8 7 1/4 7 4 1/2															<u>-</u>											
SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	v	W	x	Y	Z	Areo 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 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
3	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	₹4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	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 %	14 1/2	14	8	1												16.0

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

DATE <u>5/15/12</u>

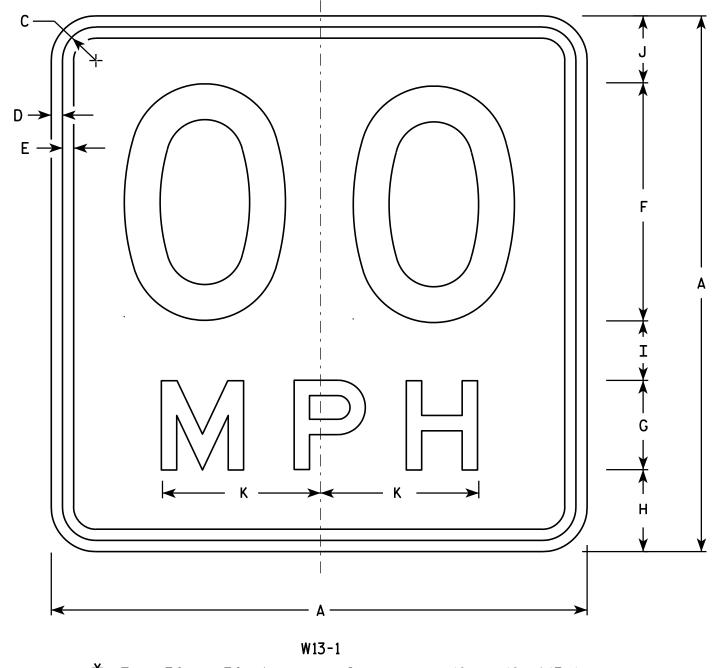
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



- 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

* For 30" \times 30" Warning Signs, use 18" \times 18" W13-1 signs. For 36" \times 36" Warning Signs, use 24" \times 24" W13-1 signs.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg 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 %																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 1/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew N

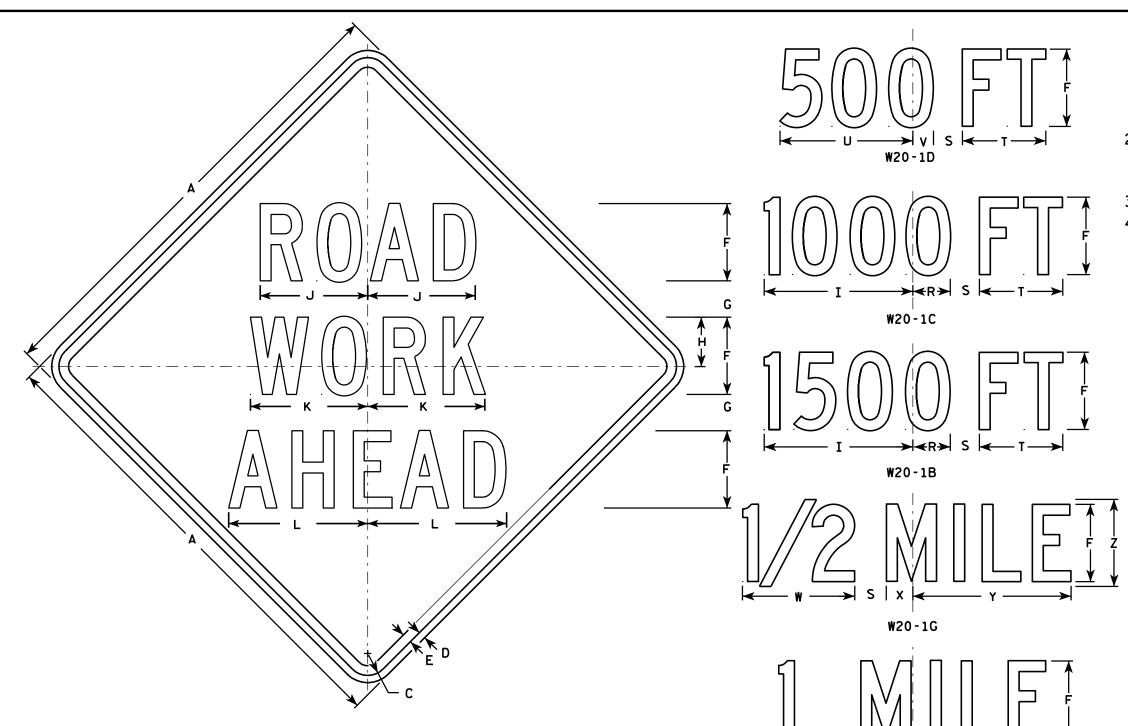
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

SHEET NO:

PLOT BY: mscsja

PLOT NAME :



7 5/8 8 7/8 1 1/8 4 1/2 3 1/2

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8 | 13 7/8 |

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 3/8 | 5 3/8

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8

3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 | 5 3/8 |

| 3 3/4 | 5 1/8 | 15 3/8 | 11 1/8 | 12 1/8 | 14 3/8 | 1 5/8 | 6 7/8 |

W20-1A

2 \\ 8 | 3 \\ 4 | 10 \\ 8 |

NOTES

- 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

Area sq. ft.

16.0

16.0

16.0

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.

STANDARD SIGN W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-1.9

SHEET NO:

1 3/4 10 3/4

16 3/8 9

1 3/8

2 1/4

2 1/4

1/2

3/4

3/4

SIZE A

3

4

5

36

48

48

48

48

48

PROJECT NO:

W20-1F

1 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

13 3/4 2 1/8 11 1/8 2 3/4 16 3/8

8 \% | 13 \% | 2 \% | 11 \% | 2 \% | 16 \% | 9

| 13 3/4 | 2 1/8 | 11 1/8 | 2 3/4 |

5 %

8 %

2 1/2 1 1/8

3 1/8

3 %

3 %

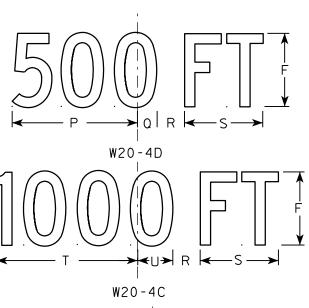
3 %

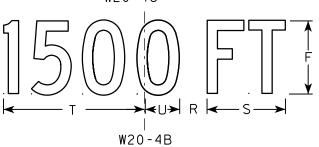


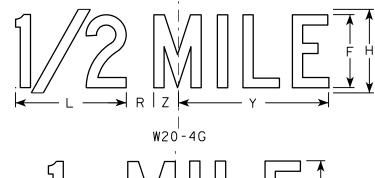
- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

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.







W20)-4F

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Ρ	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 %	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 ½	10 ¾	1 3/4	9.0
25	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 ½	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 ½	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 1/8	2 5/8	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

W20-4A

STANDARD SIGN W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED State Traffic Engineer

DATE 3/18/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 12:11

PLOT BY: mscj9h

Ε

PLATE NO. W20-4.9

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	+ H D
W20)-7A

HWY:

SIZE	Α	В	С	D	Е	F	G	Н	I	C	K	L	M	Ν	0	Р	0	R	S	Т	د	٧	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5%	3∕4		2 3/4	13 1/2	14 %																		9.00
2S	48		2 1/4	3/4	1		3 ¾	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 ¾	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 ¾	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 ¾	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 ½	·			·						·								16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rau

Fer State Traffic Engineer

DATE _3/18/11 PLATE NO. W20-7A.5

SCALE : 7. 945391:1. 000000

PROJECT NO:

PLOT NAME :

- 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.

A
SHOULDER
W21-5

ВС SIZE A D Ε G H L N 0 0 Х 3/8 1/2 4 2 1/2 10 3/4 6 24 1 1/8 4.0 5/8 3 | 13 3/8 | 7 1/2 1 3/8 30 1/2 5 6.25 2M 1/2 5/8 13 3/8 7 1/2 30 5 3 6.25 3 36 5/8 *¾* 6 1 1/8 3 1/2 | 16 | 9 9.0 4 2 1/4 3/4 5 21 3/8 11 1/4 48 8 16.0 1 5 2 1/4 ¾ 21 3/8 | 11 1/4 16.0 48

COUNTY:

STANDARD SIGN W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rawh

For State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215.DGN

PROJECT NO:

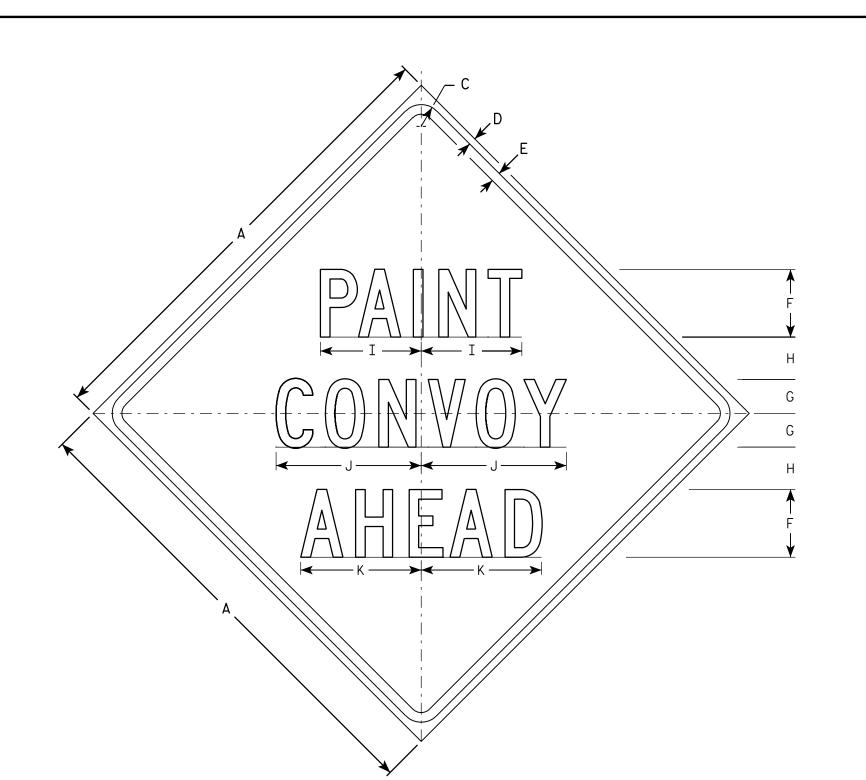
HWY:

PLOT DATE: 21-MAR-2011 08:01

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 6.207338:1.000000



- 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.

W21-63

HWY:

SIZE	А	В		U	E		J 6	Н	1	J	_ ^ _	L	M	N	0	٢	ū	R	'n	I	U	V	W	_ ^	T	Z	sq. ft.
1																											
2S	48		2 1/4	3/4	1	7	3 ½	4 1/2	10	15	12 ½																16.0
2M	48		2 1/4	3/4	1	7	3 ½	4 ½	10 3/8	15	12 1/2																16.0
3	48		2 1/4	3/4	1	7	3 ½	4 ½	10 3/8	15	12 1/2																16.0
4	48		2 1/4	3/4	1	7	3 ½	4 ½	10 3/8	15	12 1/2																16.0
5	48		2 1/4	3/4	1	7	3 ½	4 1/2	10 ¾	15	12 1/2																16.0

STANDARD SIGN W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/21/11

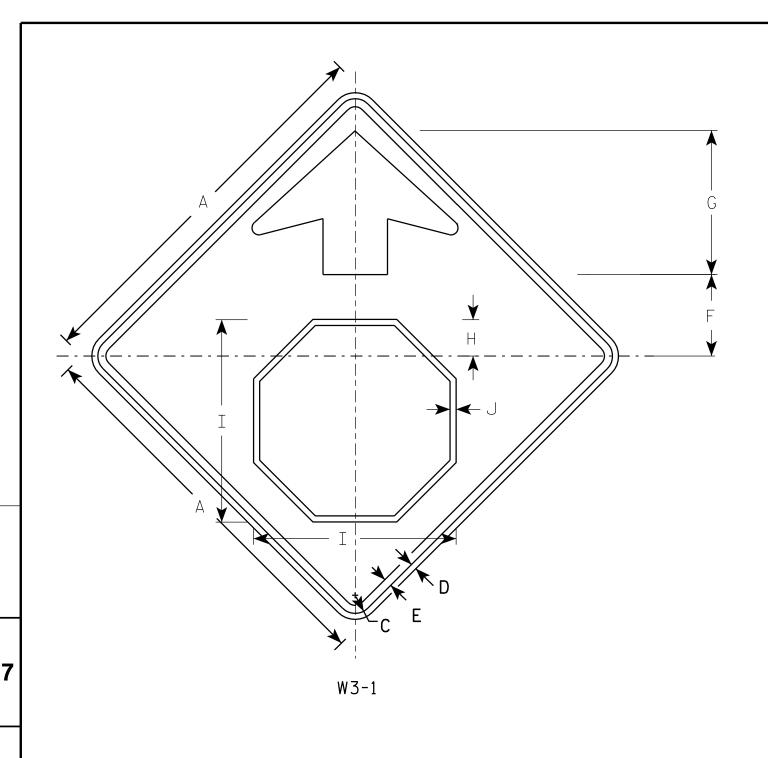
PLATE NO. W21-63.3 SHEET NO:

PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr_stdplate\W2163.DGN COUNTY: PLOT DATE: 21-MAR-2011 12:51

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.931739:1.000000

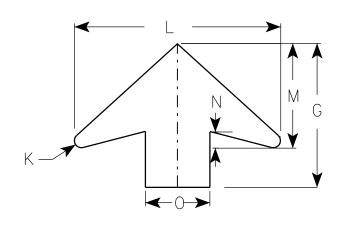


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW	DFTAII
AININOW	DLIAL

SIZE	Α	В	С	D	E	F	G	Н	I	C	K	L	М	N	0	P	0	R	S	Т	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 1/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 %	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 %	6												9.0
2M	36		1 %	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	3/4	7 1/2	13 ½	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
4	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	7 /8	25 %	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	½	25 %	13	2	8												16.0

STANDARD SIGN W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Ra

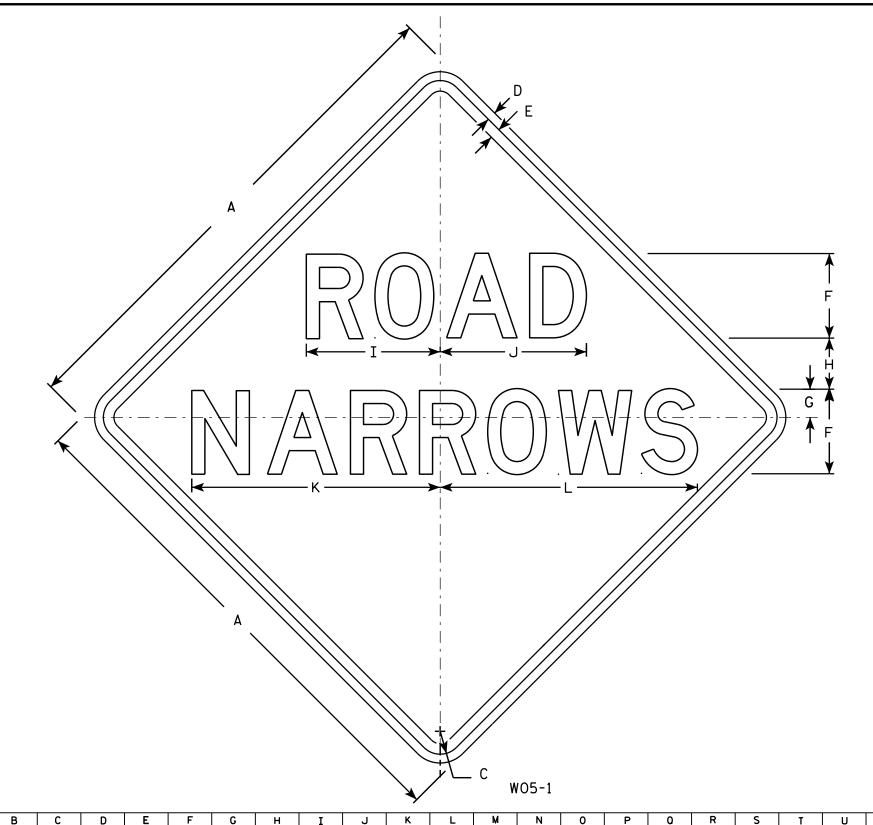
For State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W31.DGN

PROJECT NO:



- 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 1 5/8 3 1/2 9 1/2 10 3/8 17 5/8 18 1/4 3/4 9.0 2S 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 2M 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 12 3/4 13 3/4 23 1/2 24 3/8 2 1/4 3/4 48 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0

COUNTY:

STANDARD SIGN WO5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

far State Traffic Engineer

DATE 11/20/13

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscsja

PLATE NO. W05-1.1

					EAR	THWOF	RK SUMM	IARY				
						СТ	H F					
STATION	Distance		AREA (SF) Incremental Vol (CY) (Unadjusted)						Cumula	tive Vol (CY)		1
											Expanded EBS	
		Cut	Fill	EBS	Cut	Fill	EBS	Cut 1.00	Fill	Expanded Fill	Backfill	Mass Ordinat
										1.25	1.25	
					Note 1, 3		Note 1, 4	Note 1, 3		Note 8	Note 7	Note 9
20+74.558	0.00	0.00	0	24.00	0	0.00	0	0	0.00	0	0	0
21+00.000	25.44	0.03	1.29	24.00	0.01	0.61	23	0	1	1	28	- 29
21+34.558	34.56	48.58	19.43	24.00	31.1	13.26	31	31	14	17	67	-53
21+50.000	15.44	61.70	17.31	24.00	33.42	10.51	14	65	24	30	84	-50
22+00.000	50.00	14.63	8.09	24.00	72.07	23.52	44	137	48	60	139	- 63
22+50.000	50.00	13.04	15.07	24.00	25.39	21.44	44	162	69	87	195	-120
23+00.000	50.00	4.20	40.36	24.00	15.5	51.32	44	177	121	151	250	-224
23+50.000	50.00	0.11	61.56	24.00	3.88	94.37	44	181	215	269	306	-393
24+00.000	50.00	0.06	68.49	24.00	0.16	120.42	44	182	335	419	362	-599
24+50.000	50.00	0.00	67.15	24.00	0.06	125.59	44	182	461	576	417	-812
24+87.960	37.96	0.00	81.77	24.00	0	104.69	34	182	566	707	459	-985
24+96.597	8.64	0.00	79.93	24.00	0	25.86	8	182	592	739	469	-1,027
25+00.000	3.40	0.00	79.66	24.00	0	10.06	3	182	602	752	473	-1,043
25+44.597	44.60	0.02	81.48	24.00	0.01	133.08	40	182	735	918	522	-1,259
25+50.000	5.40	0.04	79.51	24.00	0	16.11	5	182	751	939	528	-1,285
25+92.597	42.60	0.55	76.36	24.00	0.46	122.96	38	182	874	1,092	576	-1,486
26+00.000	7.40	0.71	77.24	24.00	0.17	21.06	7	182	895	1,119	584	-1,520
26+32.602	32.60	1.26	73.09	24.00	1.19	90.76	29	183	986	1,232	620	-1,669
26+40.597	8.00	1.50	71.18	24.00	0.41	21.36	7	184	1,007	1,259	629	-1,704
26+50.000	9.40	1.83	68.03	24.00	0.58	24.24	8	184	1,031	1,289	639	-1,744
26+76.597	26.60	2.73	58.45	24.00	2.2	62.30	24	187	1,094	1,367	669	-1,849
27+00.000	23.40	1.63	49	24.00	1.85	46.57	21	188	1,140	1,425	695	-1,932
27+50.000	50.00	0.96	29.29	24.00	2.36	72.49	44	191	1,213	1,516	750	-2,075
28+00.000	50.00	4.96	19.75	24.00	5.45	45.41	44	196	1,258	1,572	806	-2,182
28+50.000	50.00	9.54	25.54	24.00	13.36	41.94	44	210	1,300	1,625	862	-2,277
28+71.004	21.00	10.76	27.76	24.00	7.9	20.73	19	218	1,321	1,651	885	-2,318
29+00.000	29.00	8.86	29.48	24.00	10.47	30.74	26	228	1,351	1,689	917	-2,378
29+07.004	7.00	8.15	29.04	24.00	2.21	7.59	6	230	1,359	1,699	925	-2,393
29+15.000	8.00	7.22	28.43	24.00	2.28	8.51	7	232	1,367	1,709	934	-2,411
29+50.000	35.00	3.11	24.82	24.00	6.7	34.51	31	239	1,402	1,752	973	-2,486
29+55.004	5.00	2.68	24.35	24.00	0.54	4.56	4	240	1,407	1,758	978	-2,497
30+00.000	45.00	2.19	7.08	24.00	4.06	26.19	40	244	1,433	1,791	1,028	-2,575
30+03.004	3.00	1.97	6.91	24.00	0.23	0.78	3	244	1,434	1,792	1,032	-2,579
30+50.000	47.00	0.00	13.2	24.00	1.72	17.50	42	246	1,451	1,814	1,084	-2,652
30+51.004	1.00	0.00	13.17	24.00	0	0.49	1	246	1,452	1,814	1,085	-2,654
31+00.000	49.00	0.06	11.21	24.00	0.05	22.12	44	246	1,474	1,842	1,139	-2,736
31+50.000	50.00	0.00	16.98	24.00	0.05	26.10	44	246	1,500	1,875	1,195	-2,824
32+00.000	50.00	0.00	0	24.00	0	15.72	44	246	1,515	1,894	1,250	-2,899

9

Ε

9

COUNTY: CHIPPEWA

EARTHWORK DATA

PLOT BY: MOUNIR, MOHAMED A PLOT NAME:

HWY:STH 40

PROJECT NO:8620-07-73

SHEET

					EAR	THWOR	K SUMI	MARY				
						STH 4	10/64					
		-	AREA (SF)		Incremental Vol (CY) (Unadjusted)							
											Expanded EBS	
STATION	Distance	Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	Expanded Fill	Backfill	Mass Ordinate
								1.00		1.25	1.25	
					Note 1, 3		Note 1, 4	Note 1, 3		Note 8	Note 7	Note 9
11+00.000	0.00	60.53	0.29	0.00	0	0.00	0	0	0.00	0	0	0
11+50.000	50.00	52.46	0.05	0.00	104.62	0.31	0	105	0	0	0	104
12+00.000	50.00	42.61	0	0.00	192.65	0.05	0	297	0	0	0	297
12+50.000	50.00	35.39	0	0.00	264.86	0.00	0	562	0	0	0	562
13+00.000	50.00	28.84	0.18	0.00	324.34	0.17	0	886	1	1	0	886
13+50.000	50.00	21.64	2.48	0.00	371.08	2.46	0	1,258	3	4	0	1,254
13+86.517	36.52	23.82	0.16	0.00	401.83	1.79	0	1,659	5	6	0	1,653
14+00.000	13.48	22.47	0.36	0.00	413.39	0.13	0	2,073	5	6	0	2,067

9

TE

9

EARTHWORK DATA SHEET E

HWY:STH 40

PROJECT NO:8620-07-73

COUNTY: CHIPPEWA

			_			EARTH	WORK SU	MMARY				
	From/To Station			CTH F								
Division		Location	BID ITEM 205.0100 Common Excavation (2)		Salvaged/ Unusable Pavement Material (5)	Available Material (6)		Unexpanded Fill	Expanded Fill (8)	Mass Ordinate +/- (8)	BID ITEM 208.1100 Select Borrow	Comments:
			Cut (3)	EBS Excavation (4)	, ,	, ,	Factor		Factor	. ,		
DIVISION 1 - CTH F STAGE 1	20+74.558 - 32+00	CTH F	246	1,000	0	246	1,250	1,515	1,894	-2,899	-2,899	
DIVISON 1 SUBTOTAL		50 At 40 E	246	1,000	0	246	1,250	1,515	1,894	-2,899	-2,899	
IVISION 2 - STH 40/64 STAGE 1	8+37 - 15+37	STH 40/64	2,073	0	0	2,073	0	5	6	2,067	0	
DIVISON 2 SUBTOTAL			2,073	0	0	2,073	0	5	6	2,067	0	
GRAND TOTAL		•	2,319	1,000	0	246	1,250	1,515	1,894	-2,899	-2,899	_
	TOTAL COMMON EXCAVATION, 205.0100 3,319						TC	TAL SELECT BOI	RROW, 208.1100	2,899		·
	Common Excava Common Excava				n columns. Item	Number 205.01	00					
	3) Salvaged/Unsual											

4) EBS Excavation to be backfilled with Select Borrow material. Item Number 208.1100

5) Salvaged/Unusable Pavement Material

6) Available Material = Cut - Salvaged/Unusuable Pavement Material
7) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.25. Item Number 208.1100
8) Expanded Fill. Factor = 1.25 Expanded Fill = Unexpanded Fill * Fill Factor

Expanded Fill = Unexpanded Fill * Fill Factor

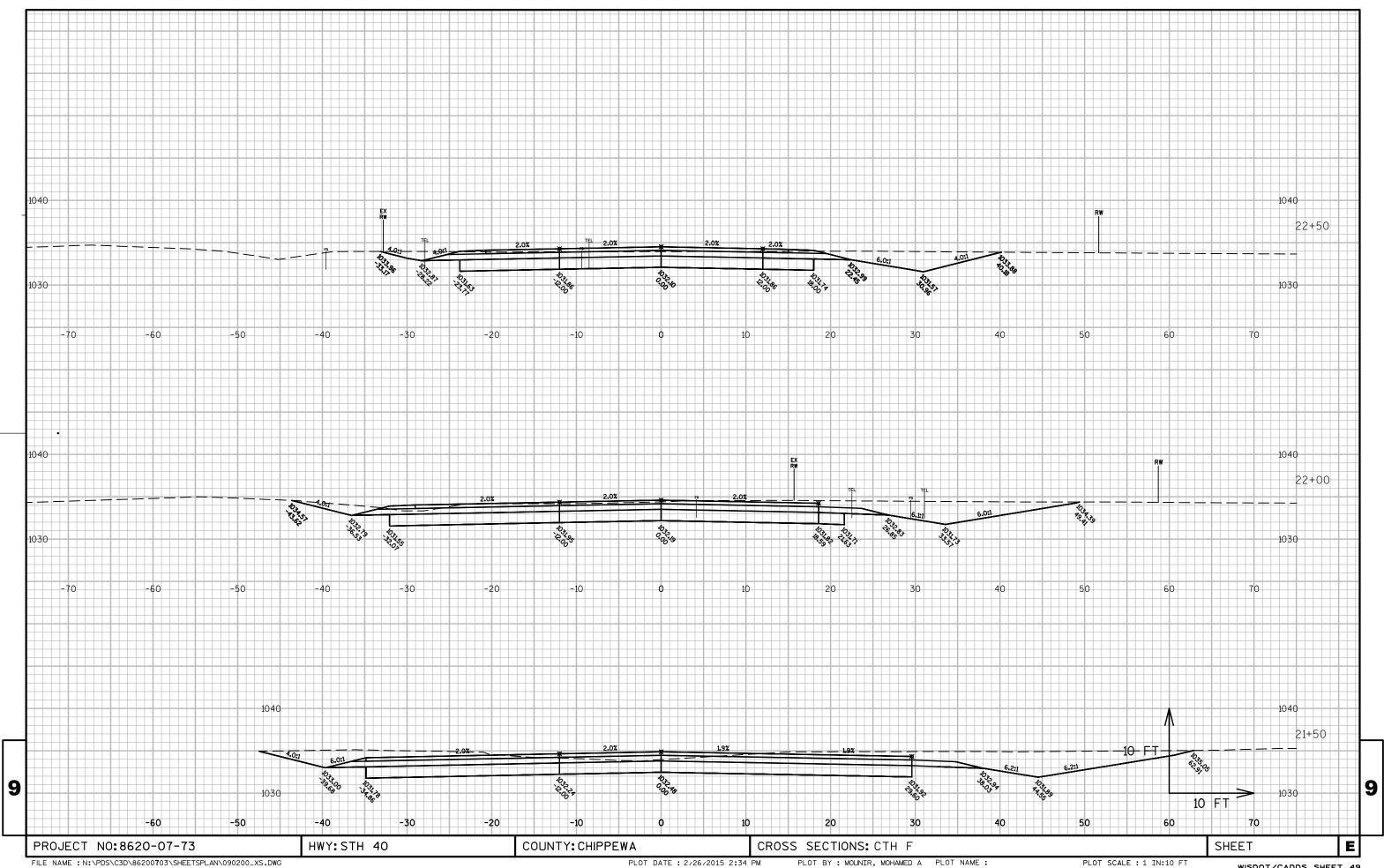
9) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

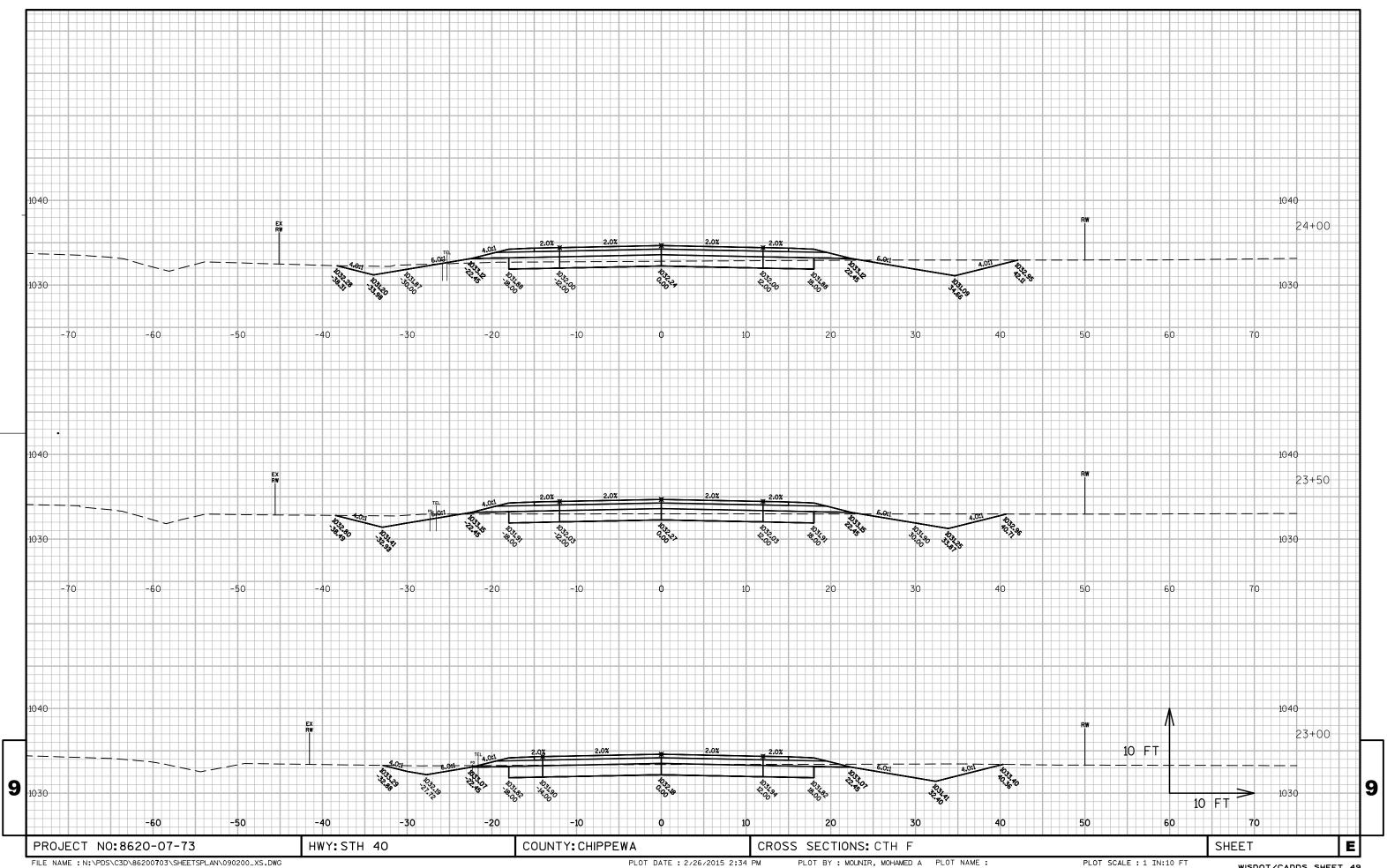
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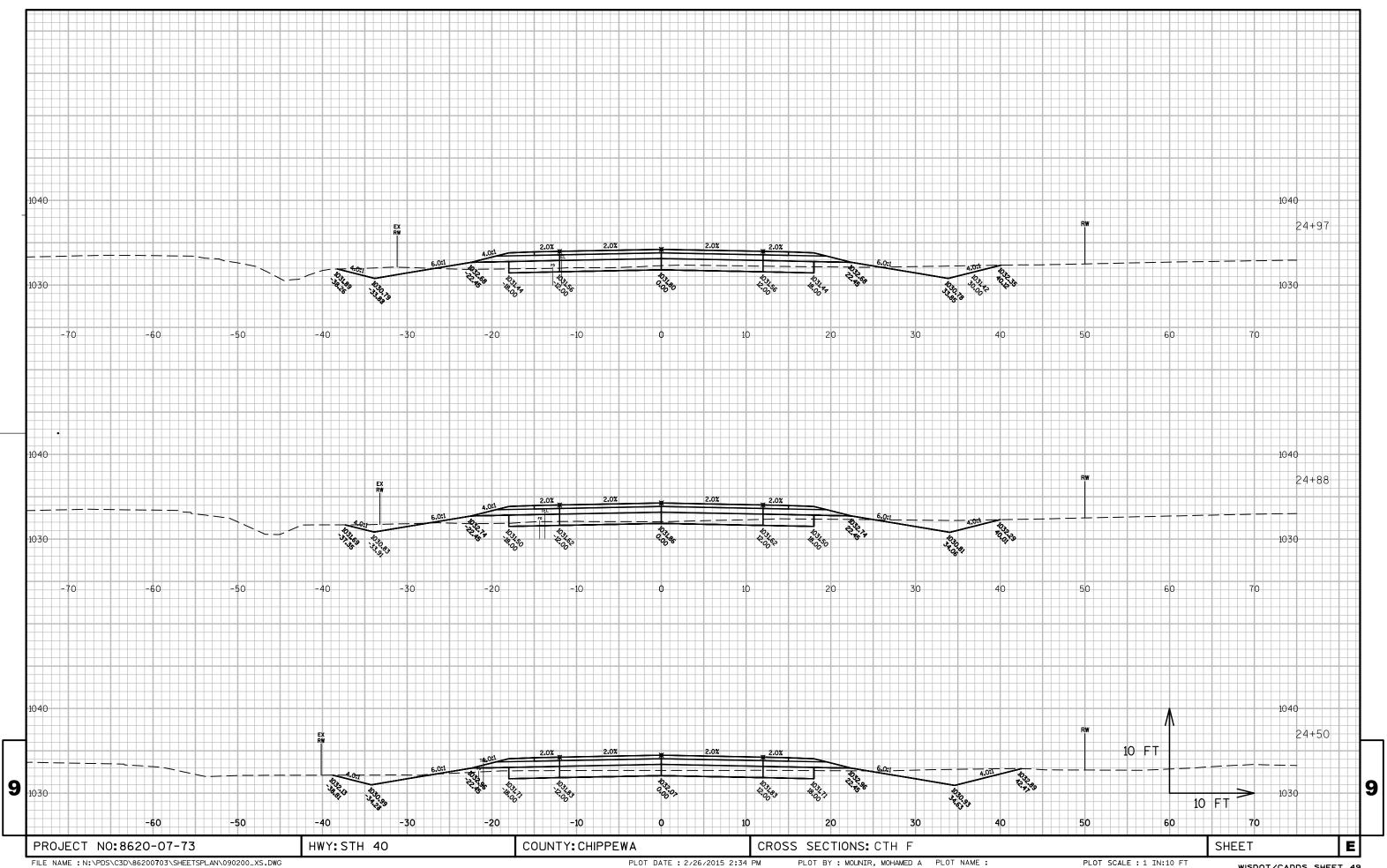
HWY:STH 40 PROJECT NO:8620-07-73 COUNTY: CHIPPEWA EARTHWORK DATA SHEET Ε

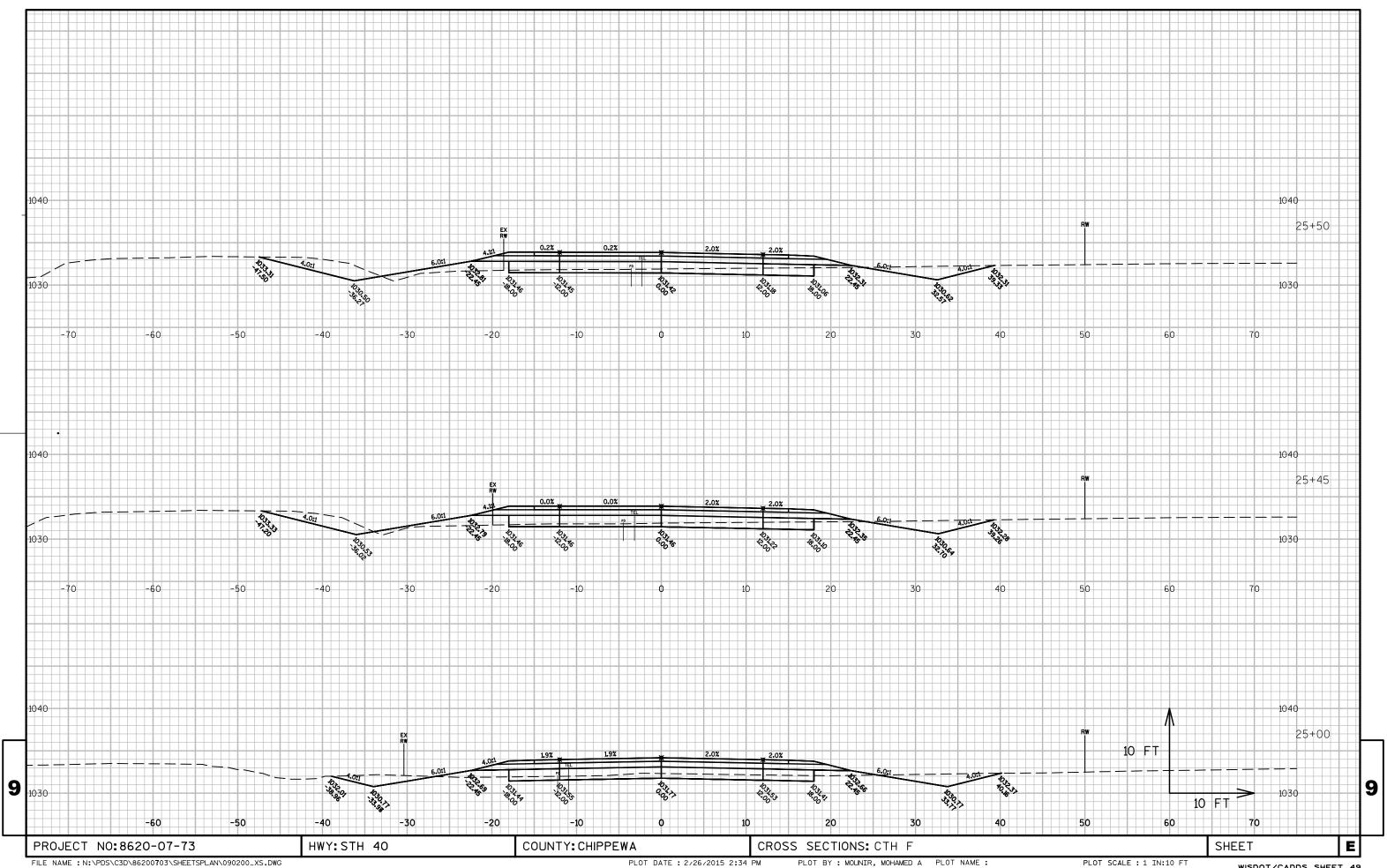
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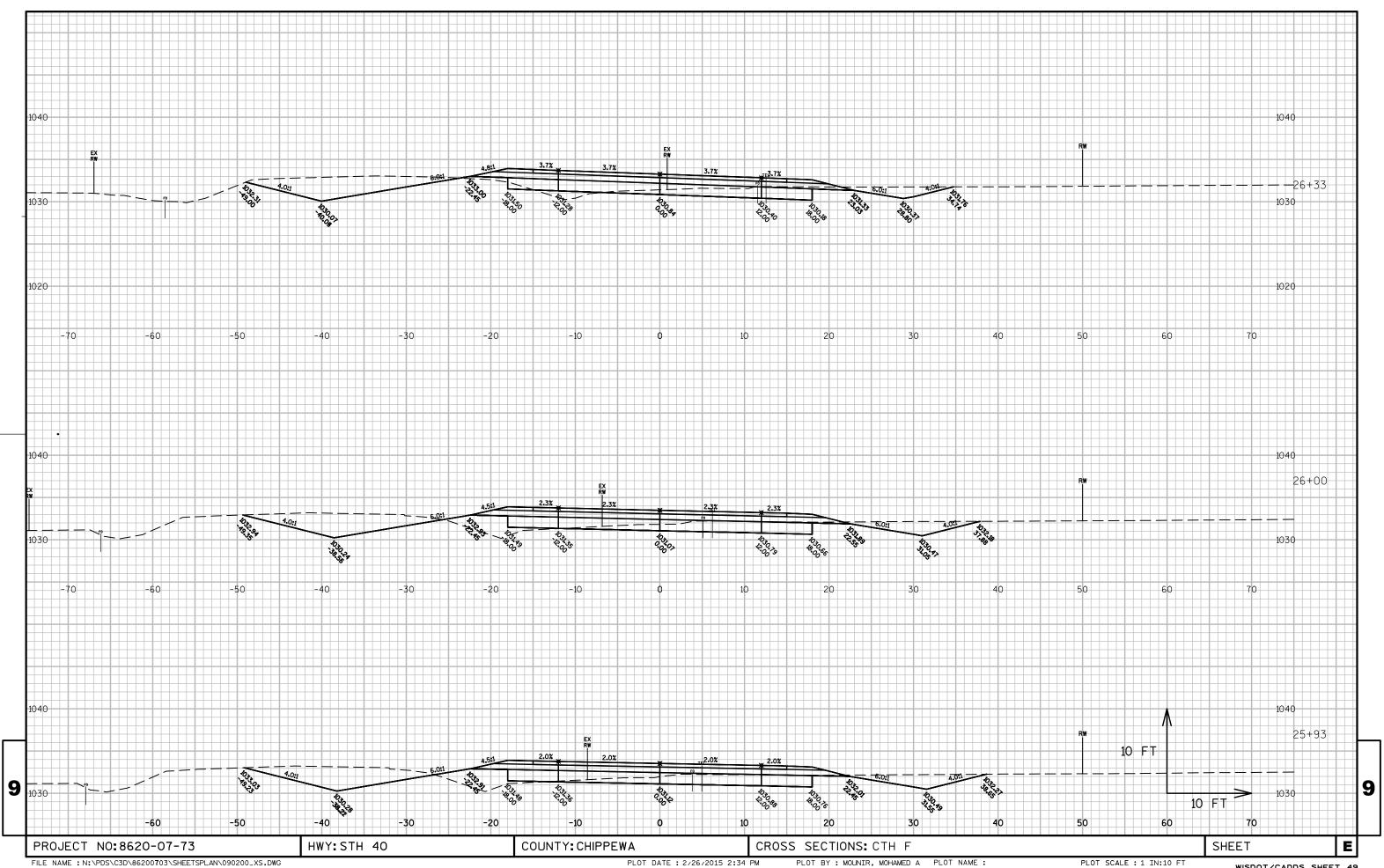
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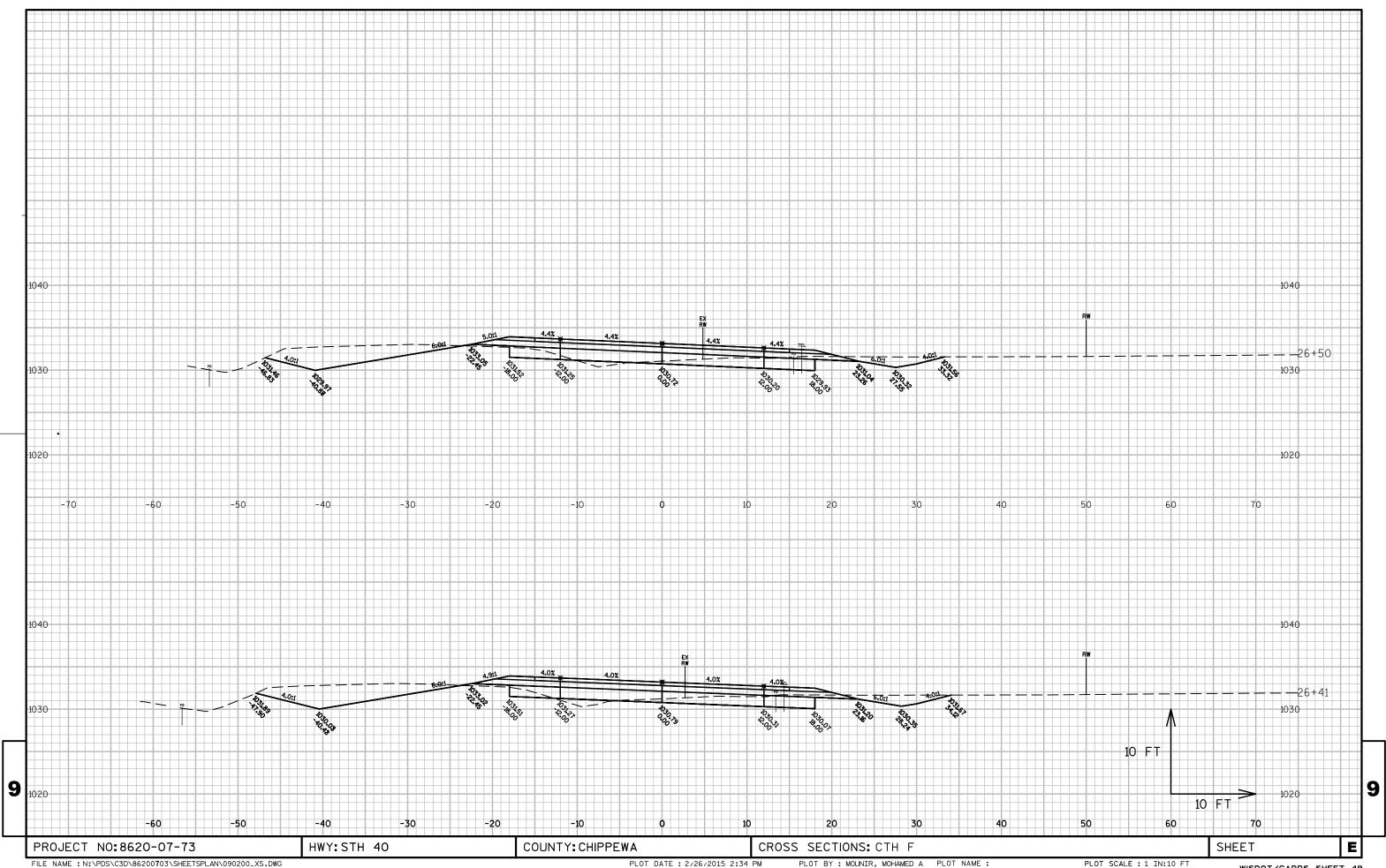




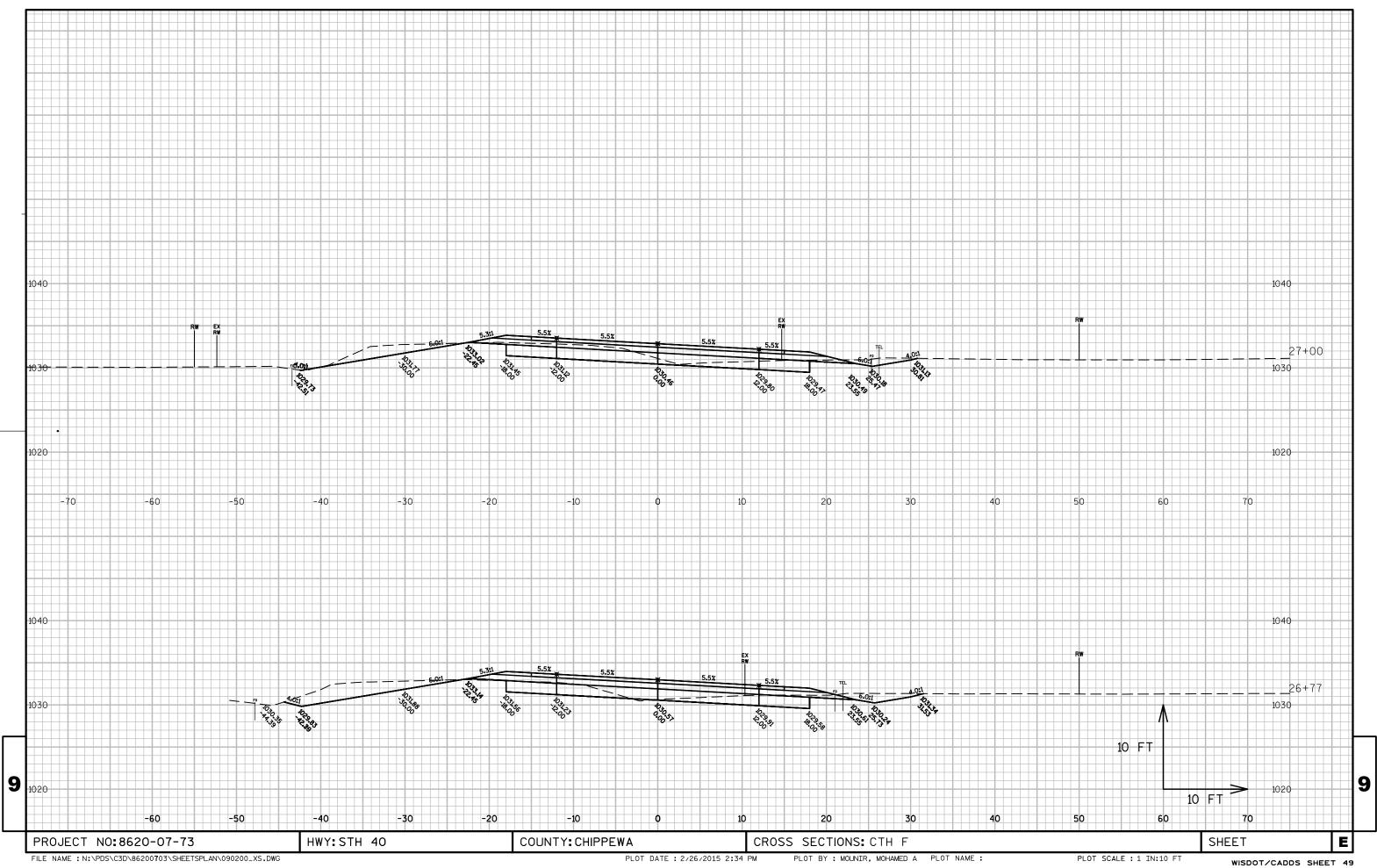


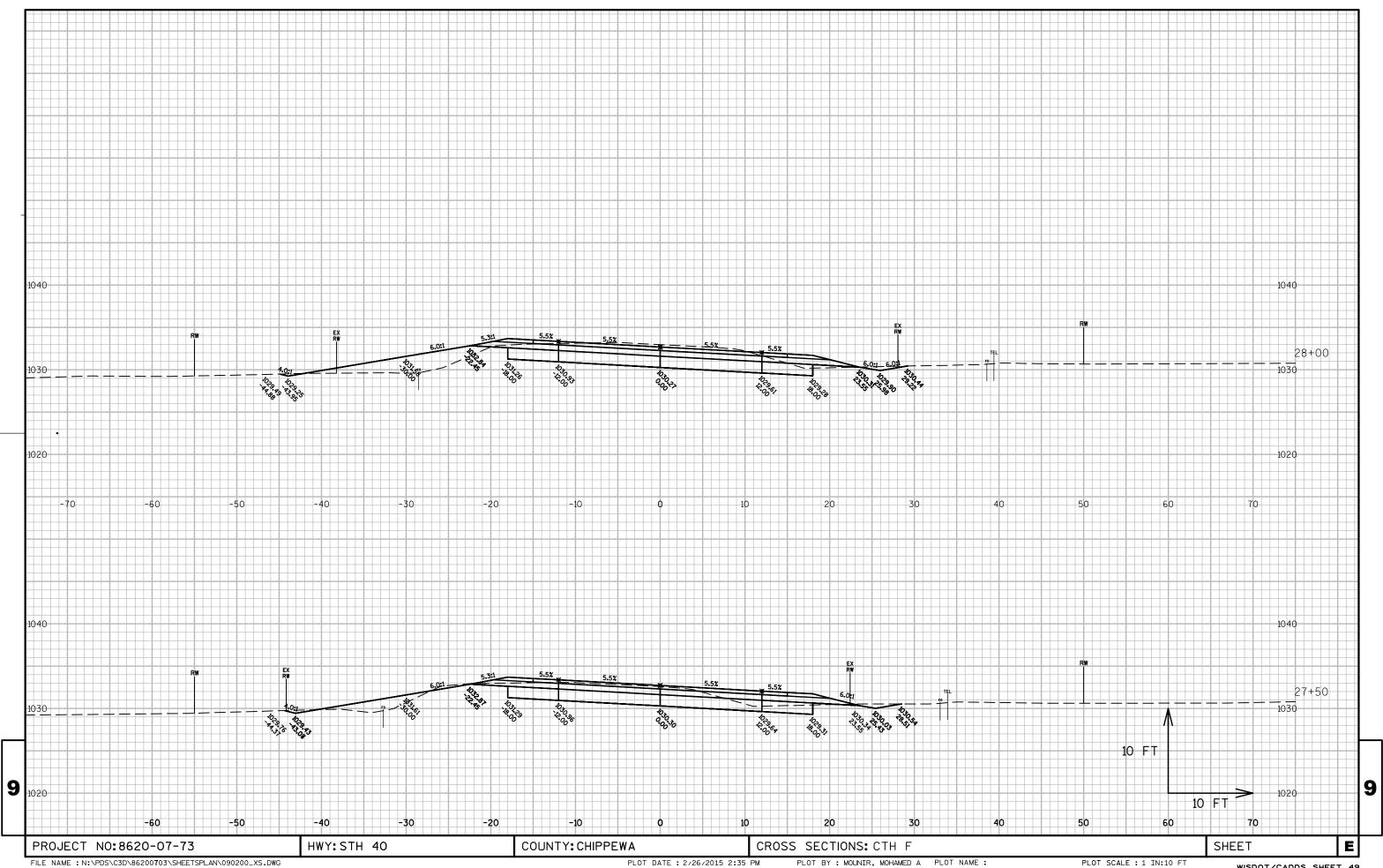


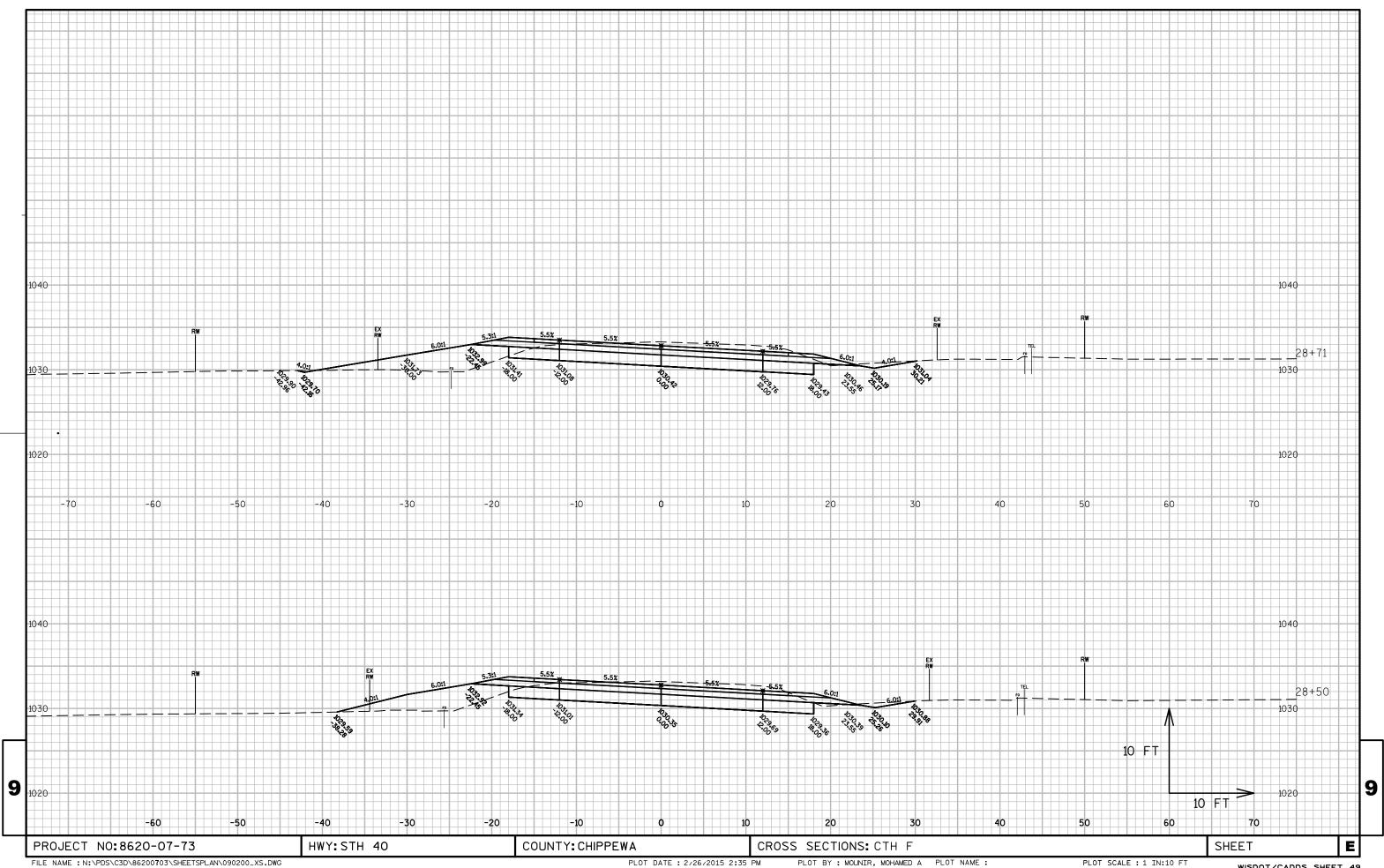


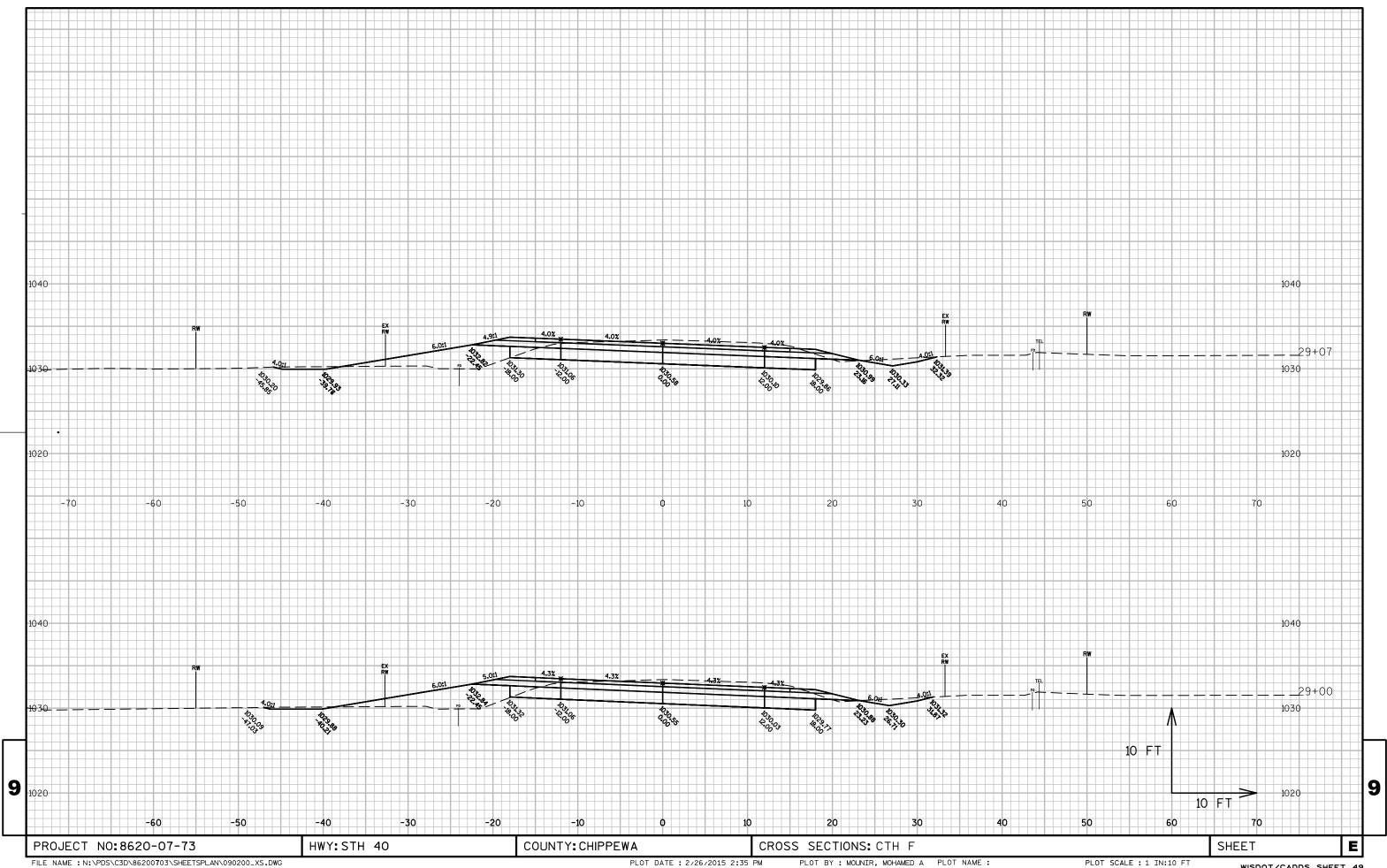


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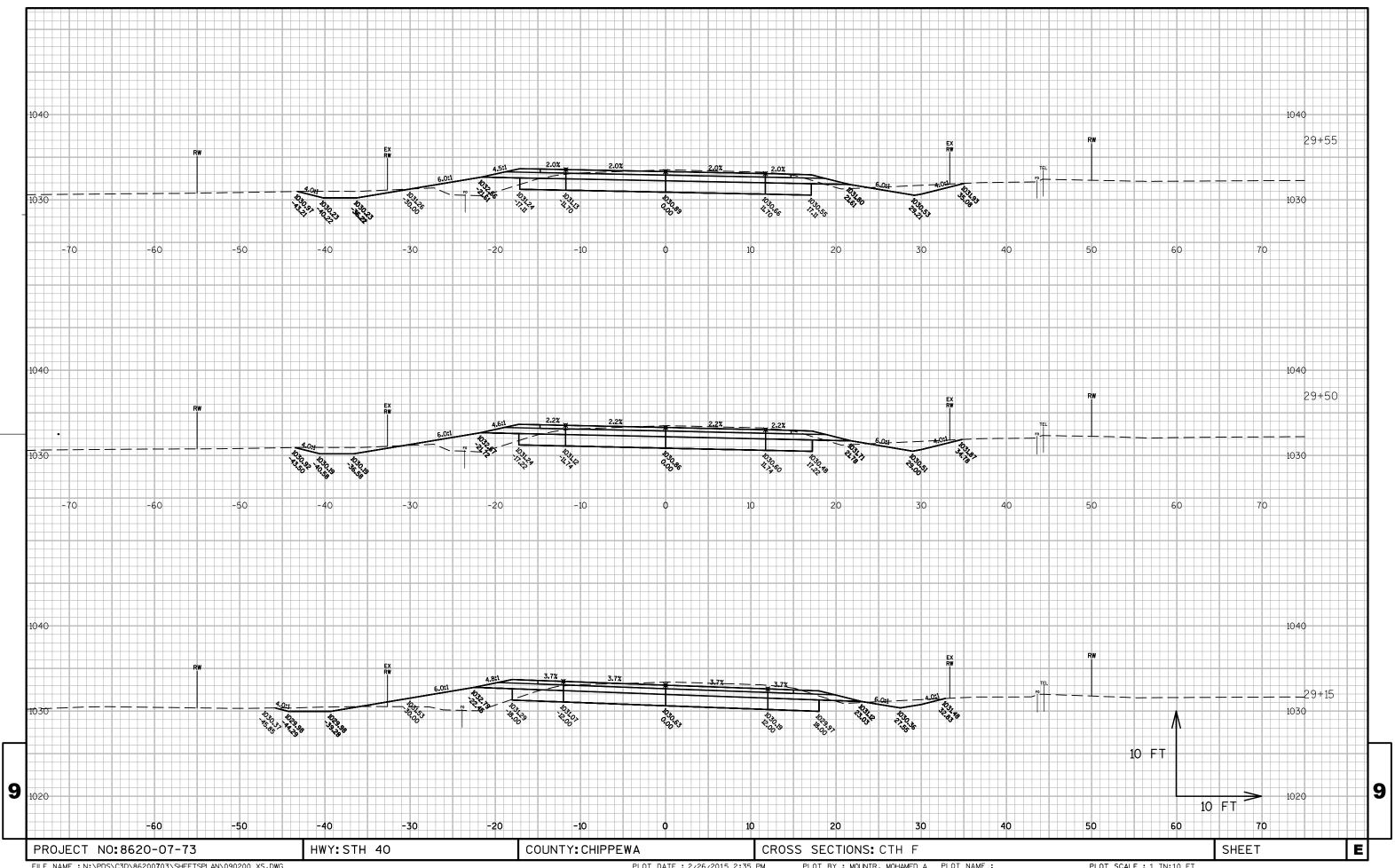




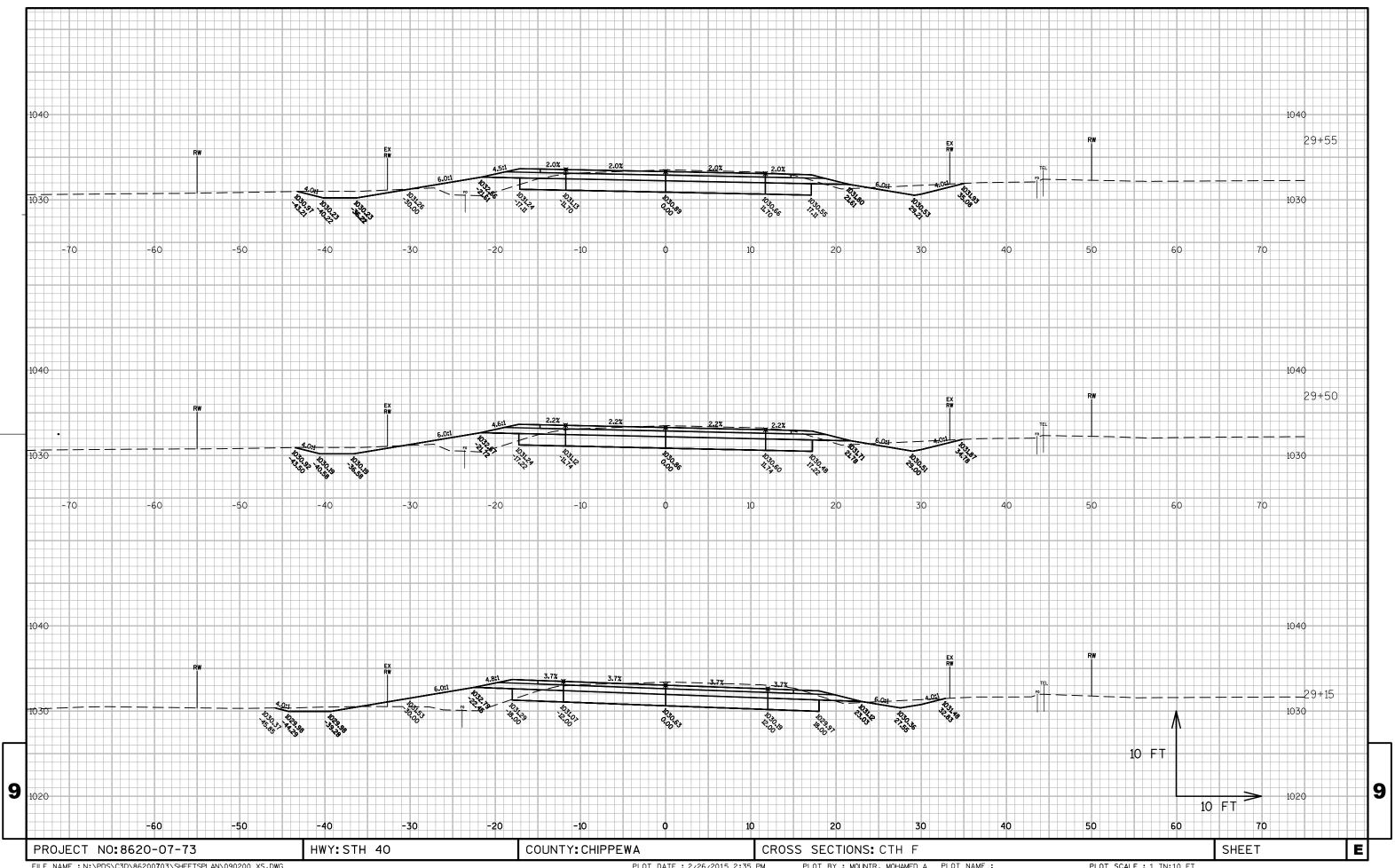


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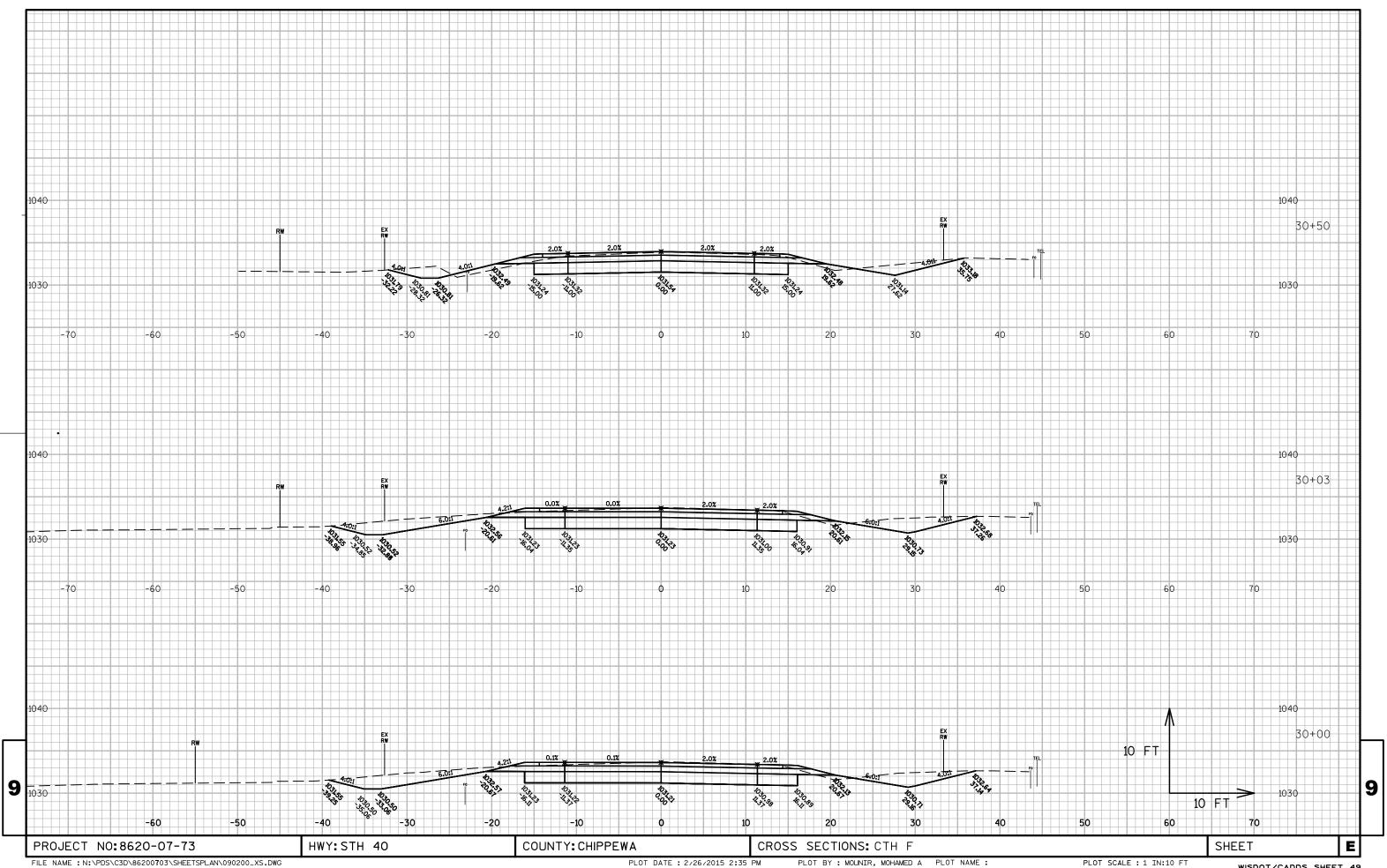
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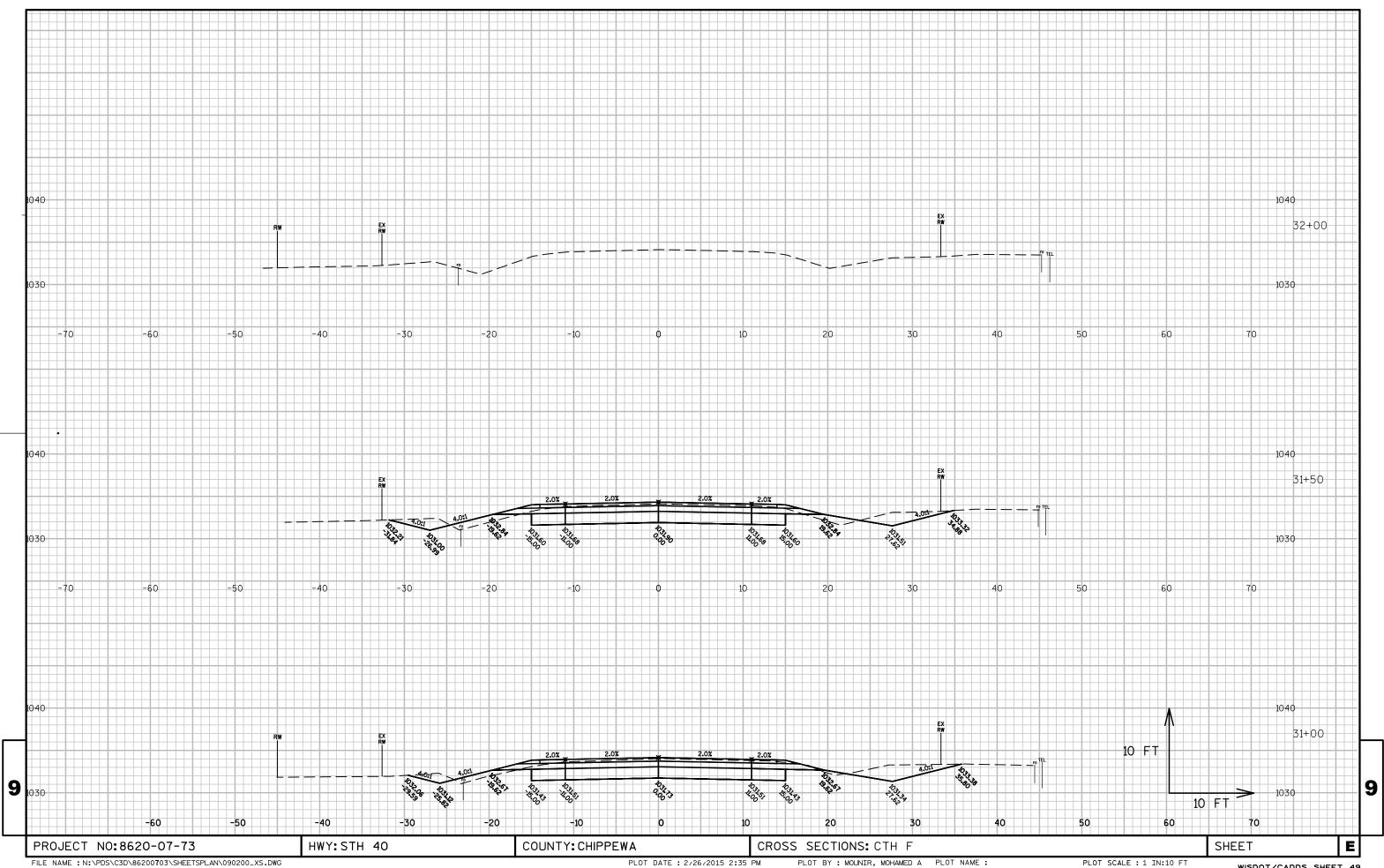


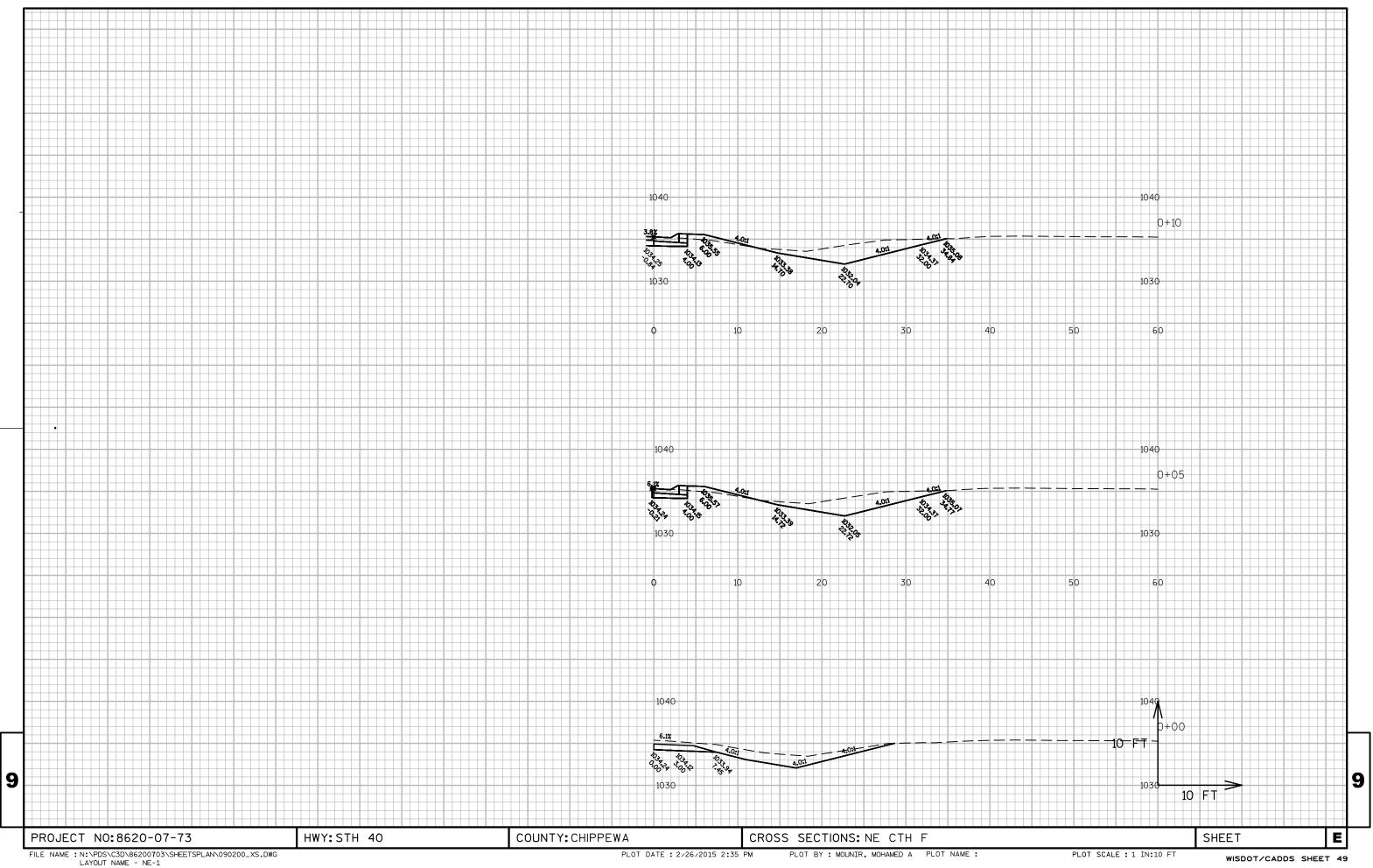
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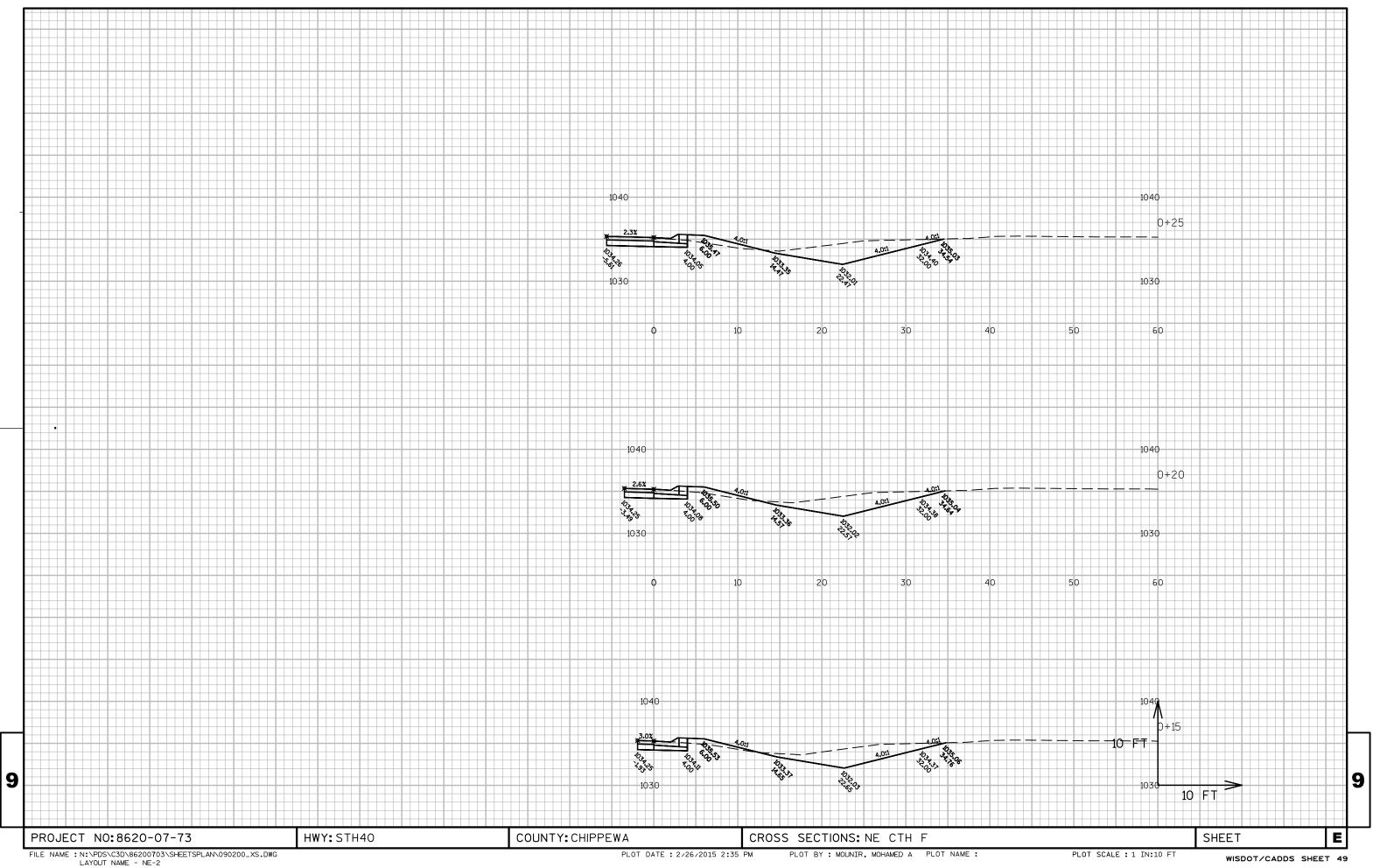


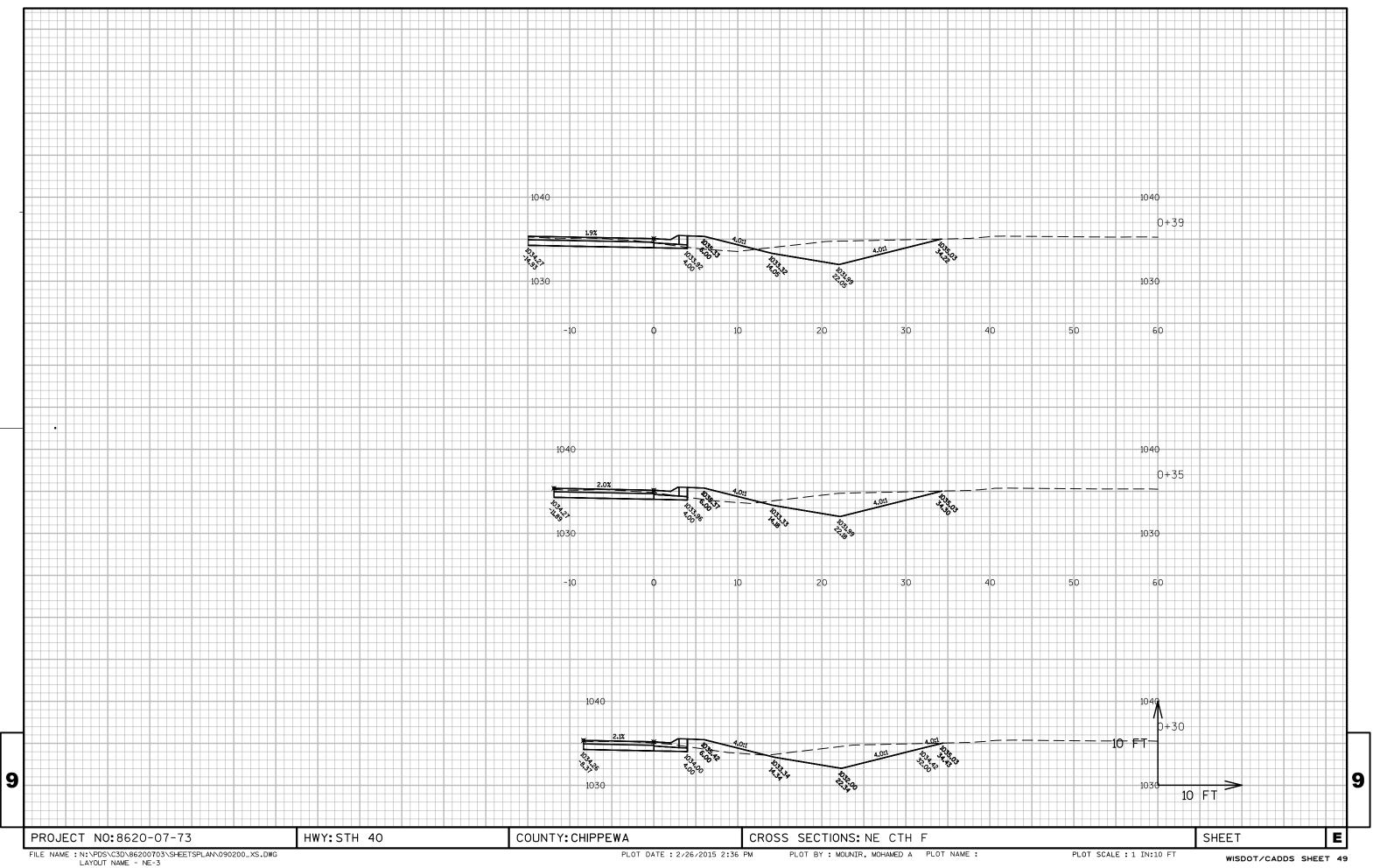
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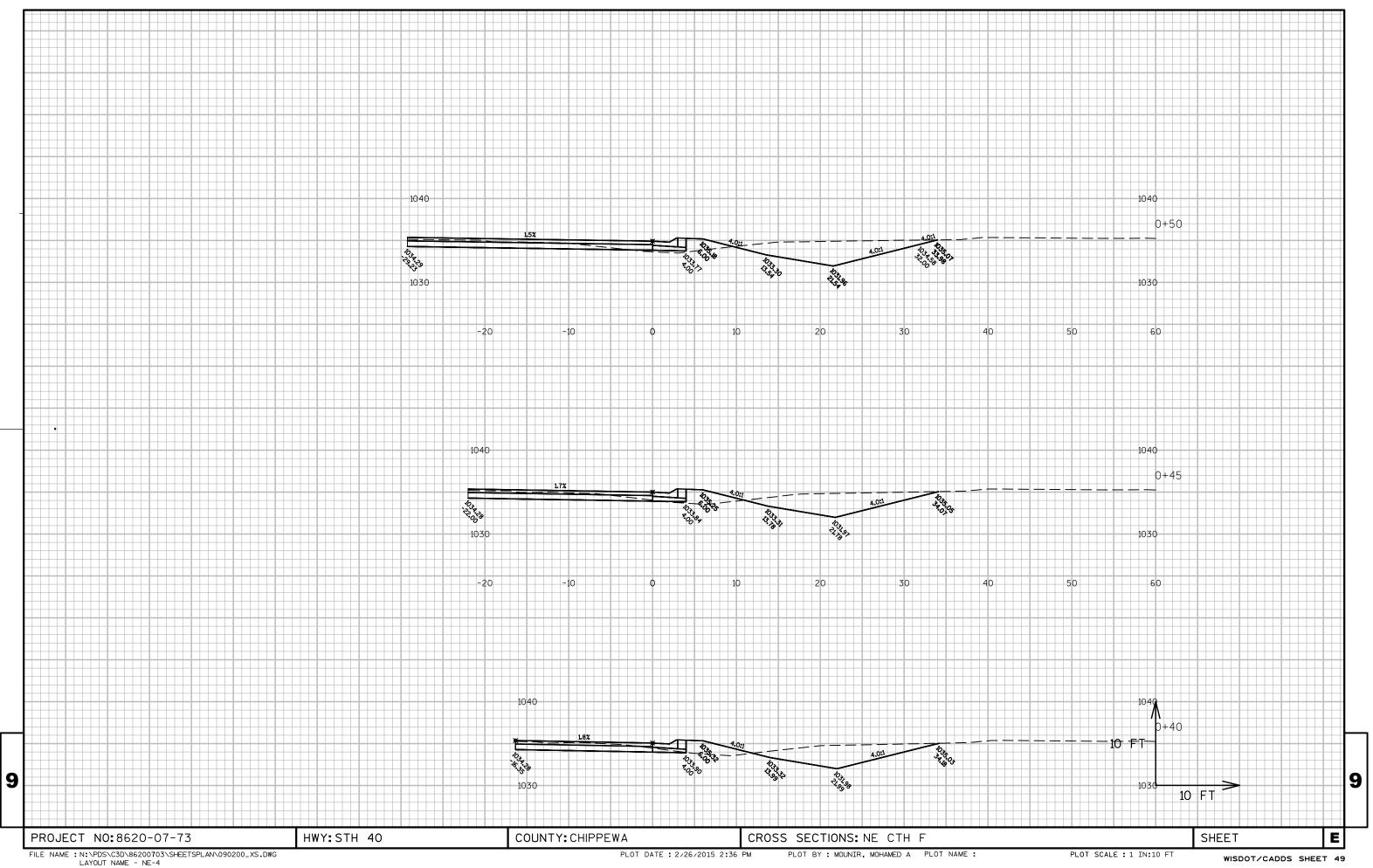


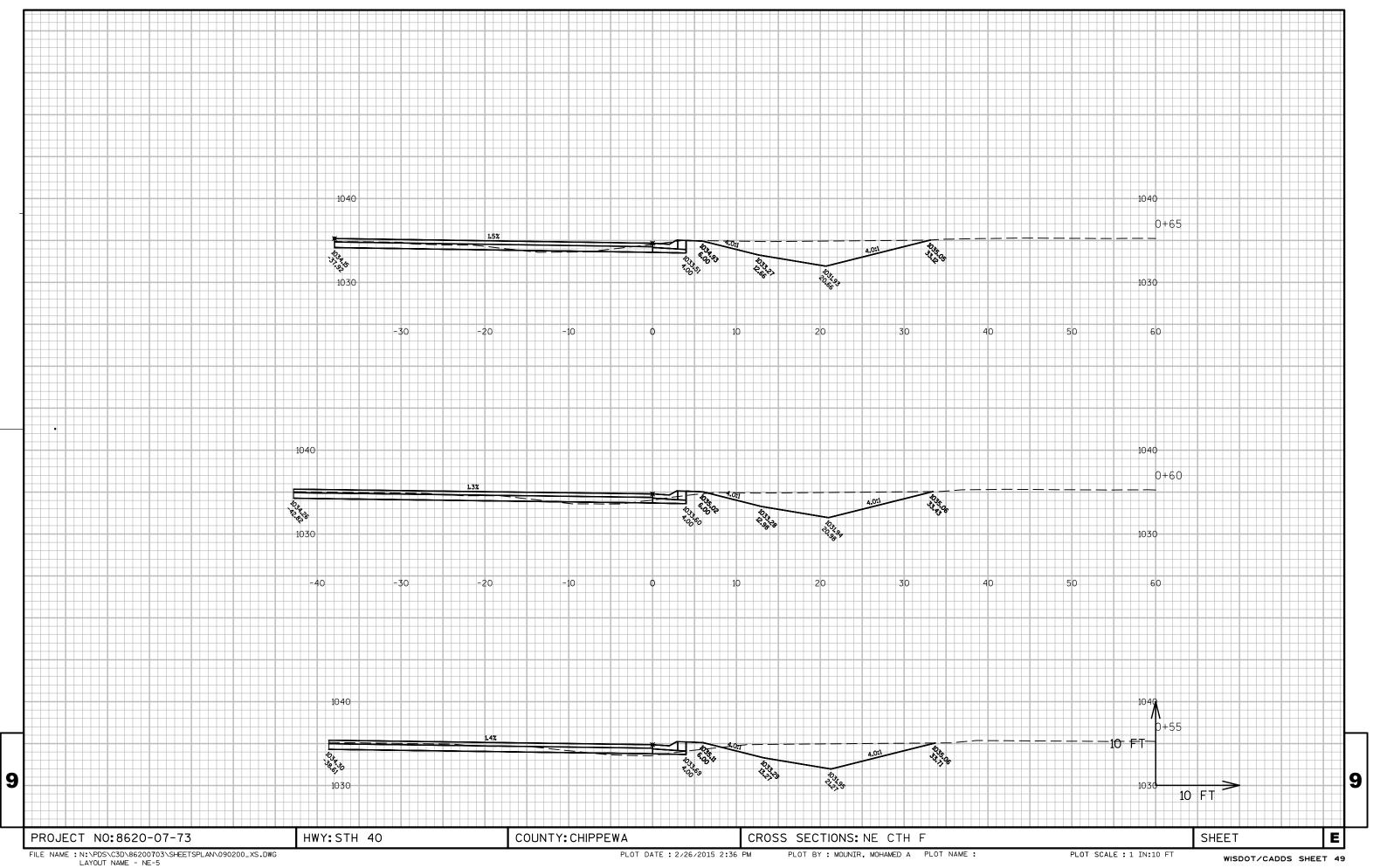


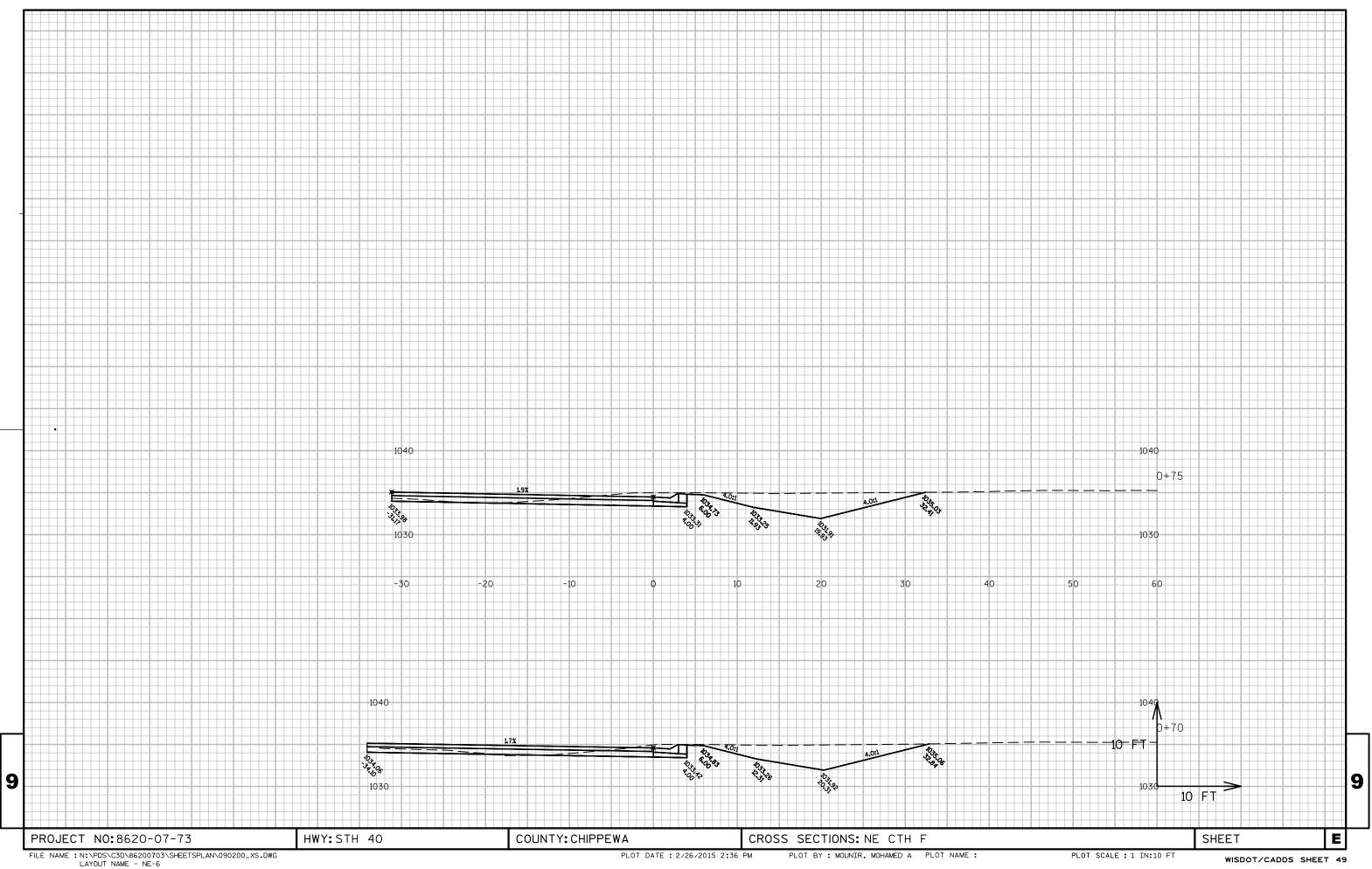


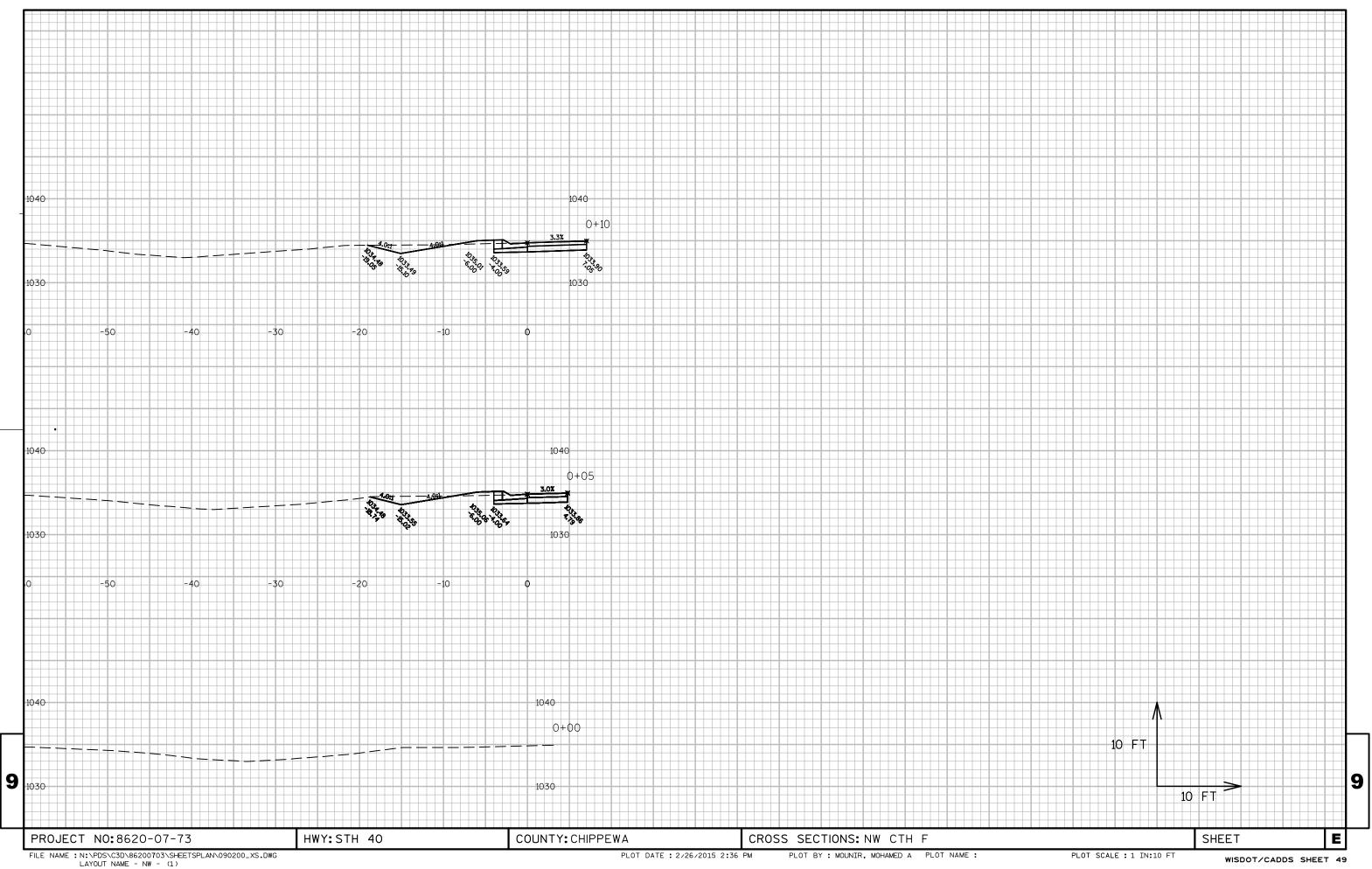


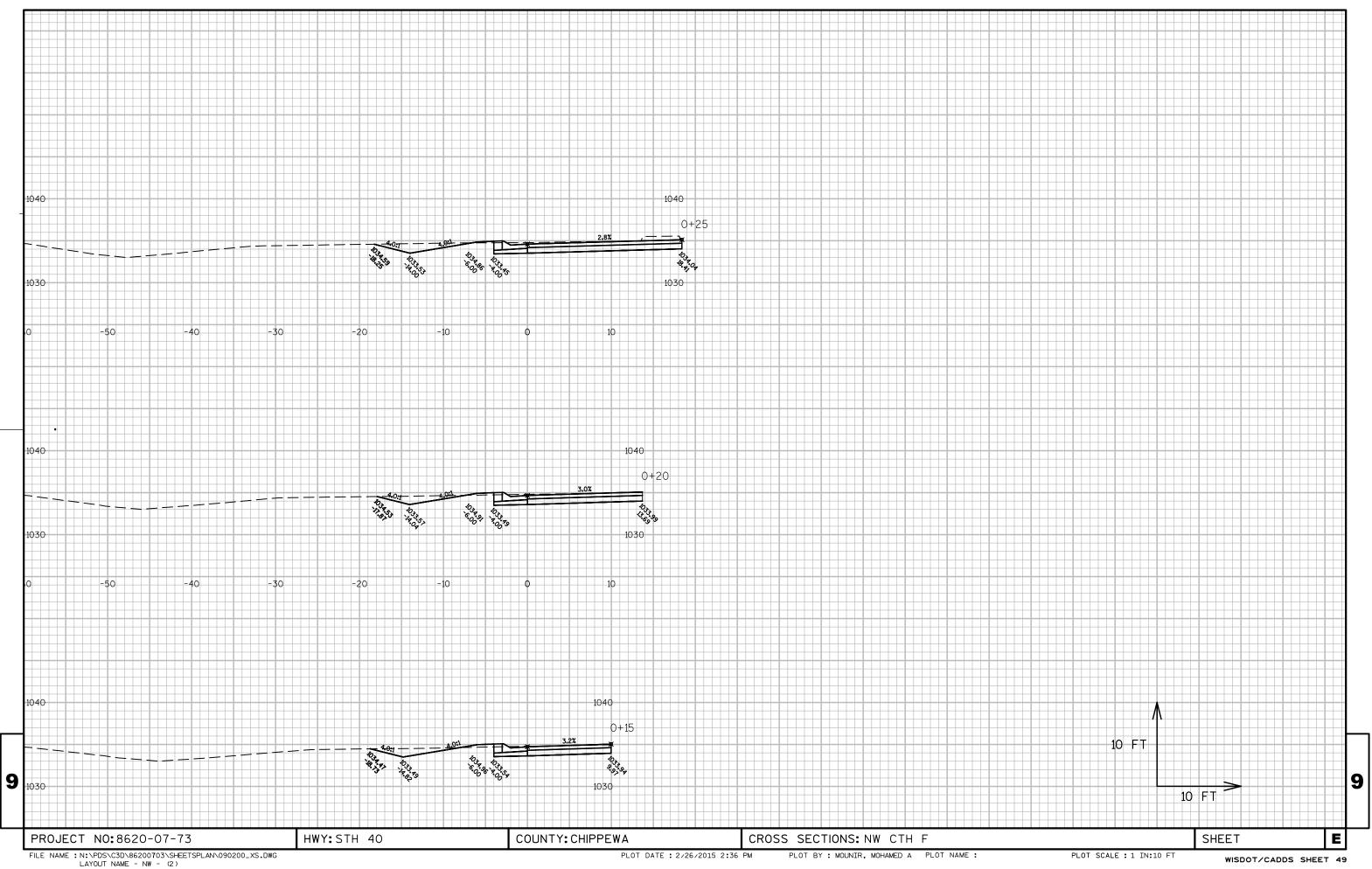


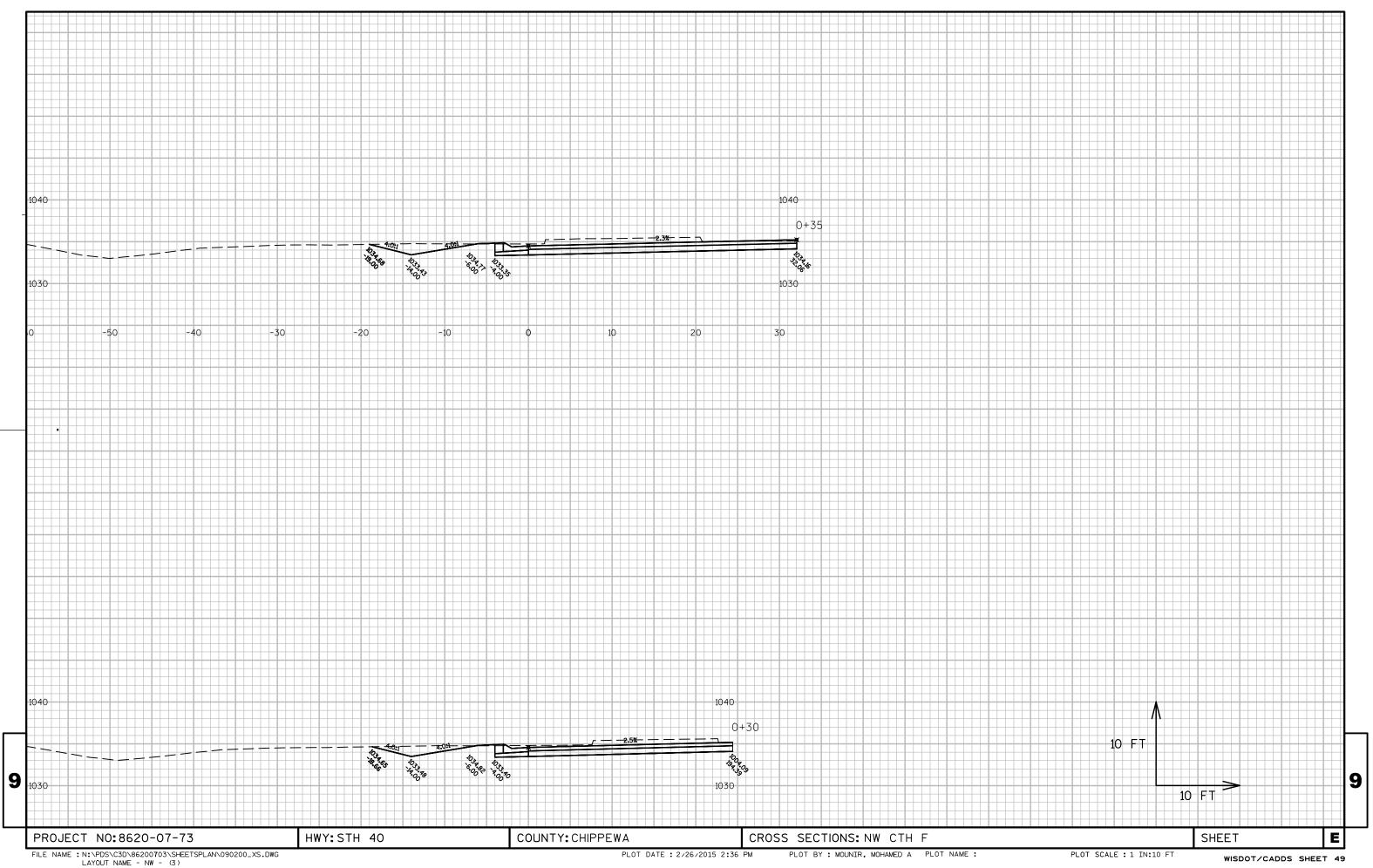


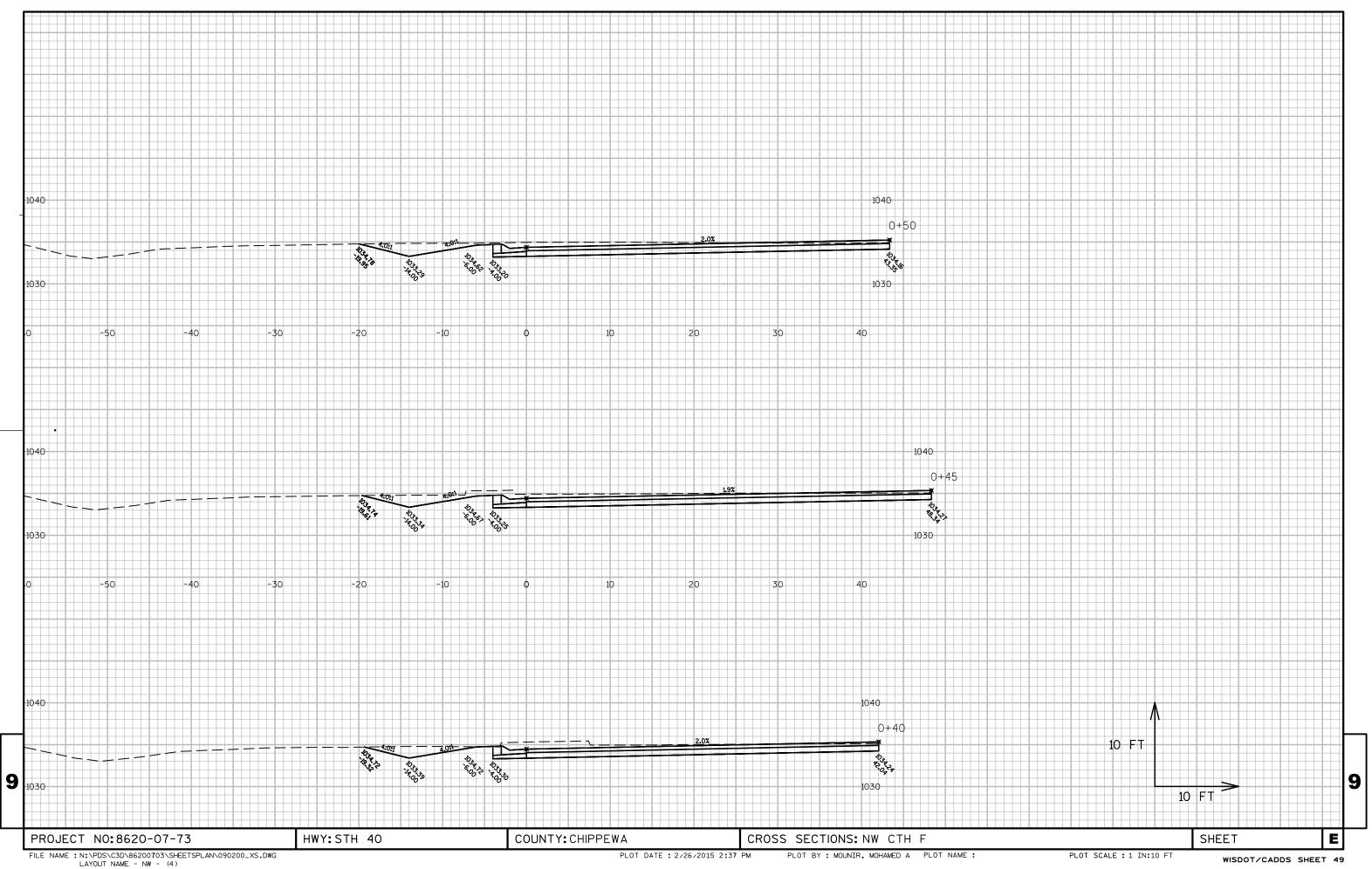


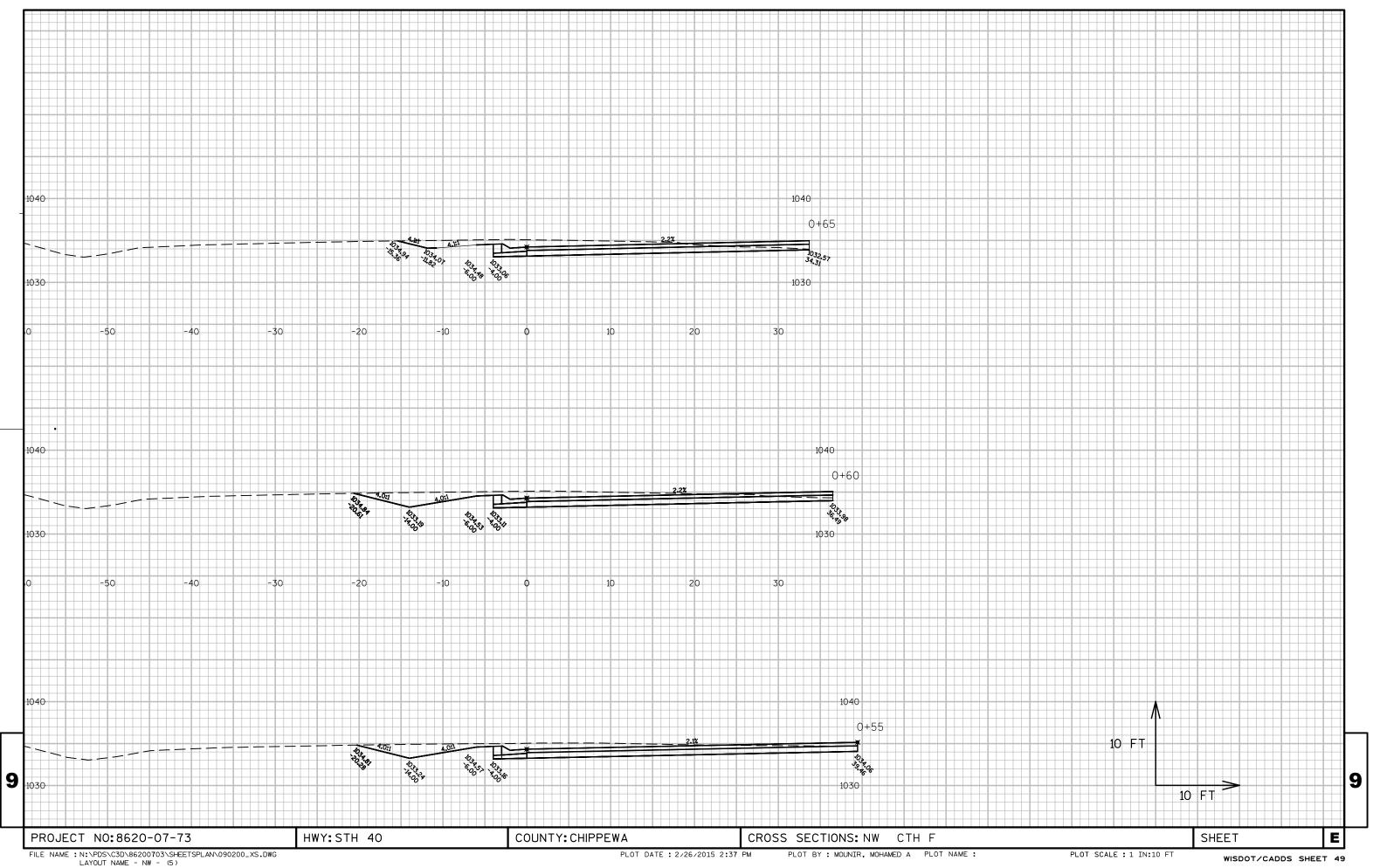


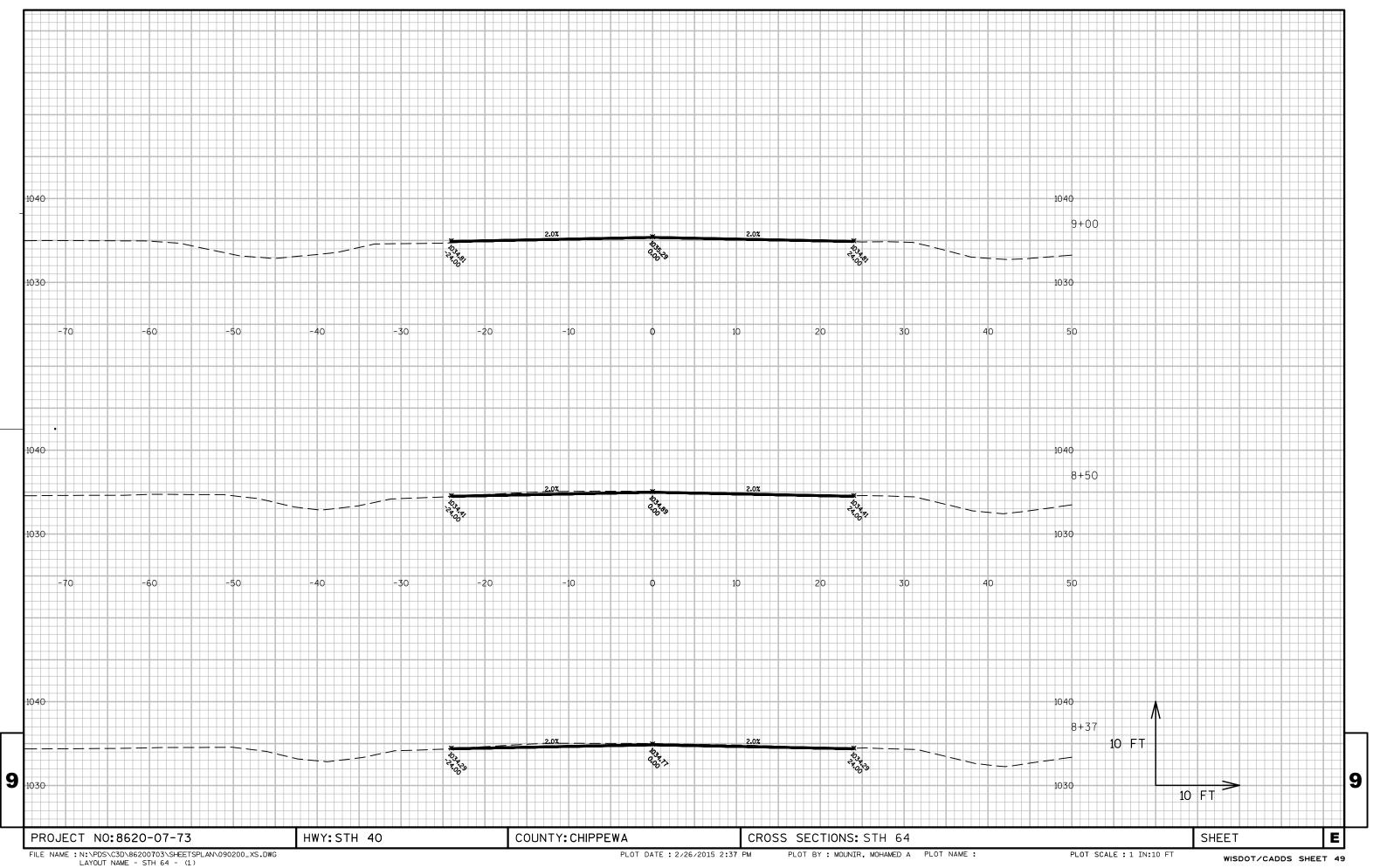


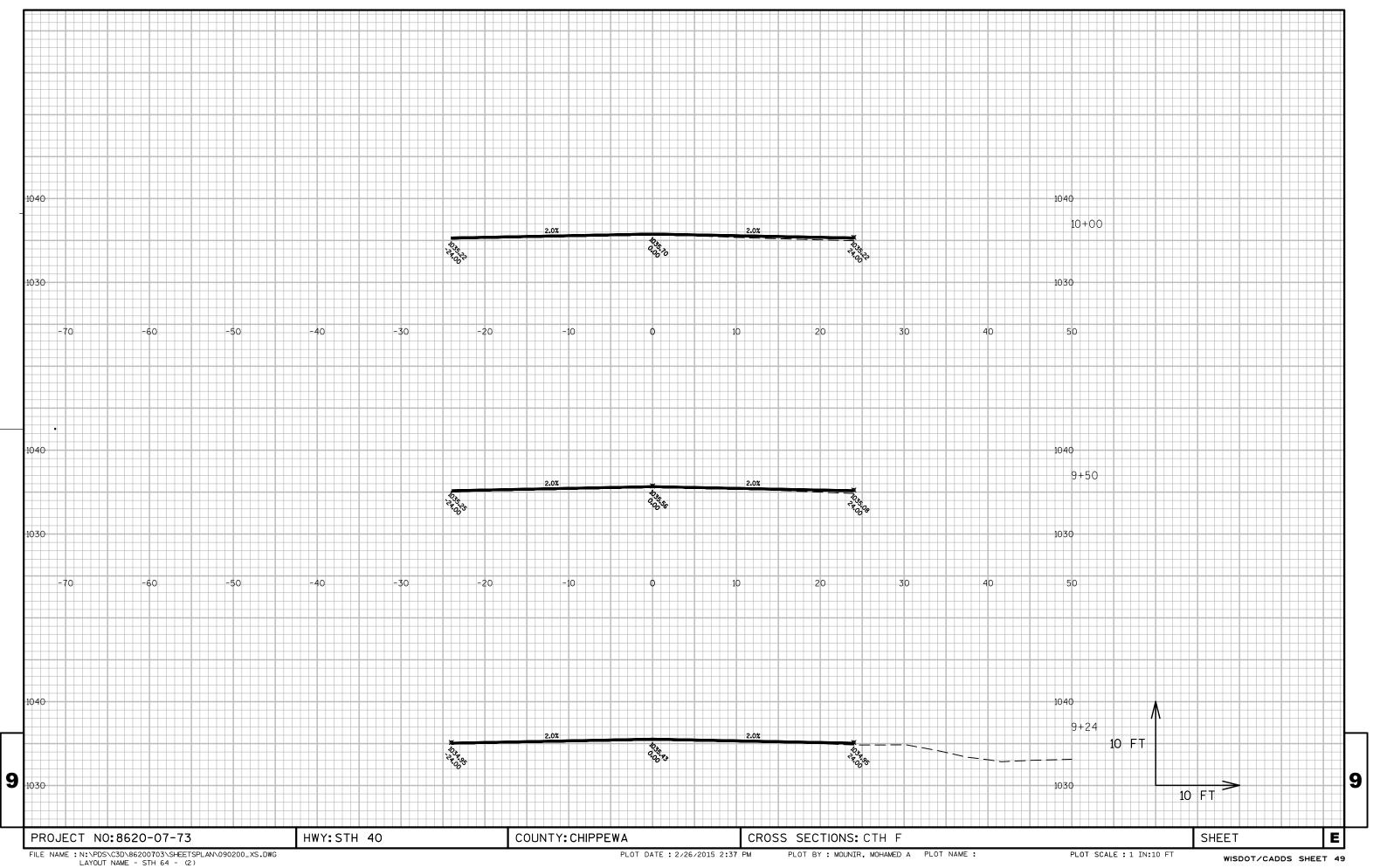


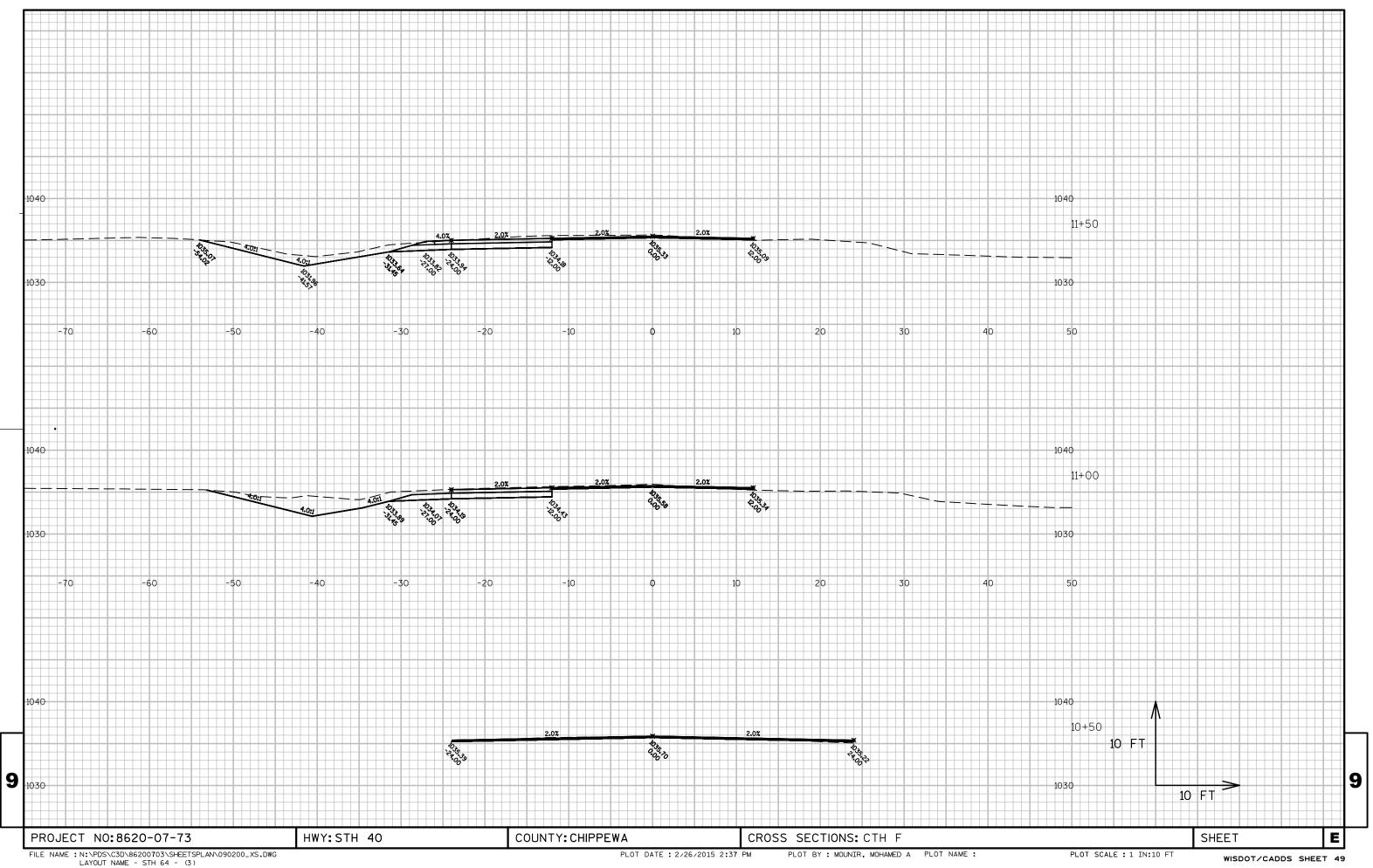


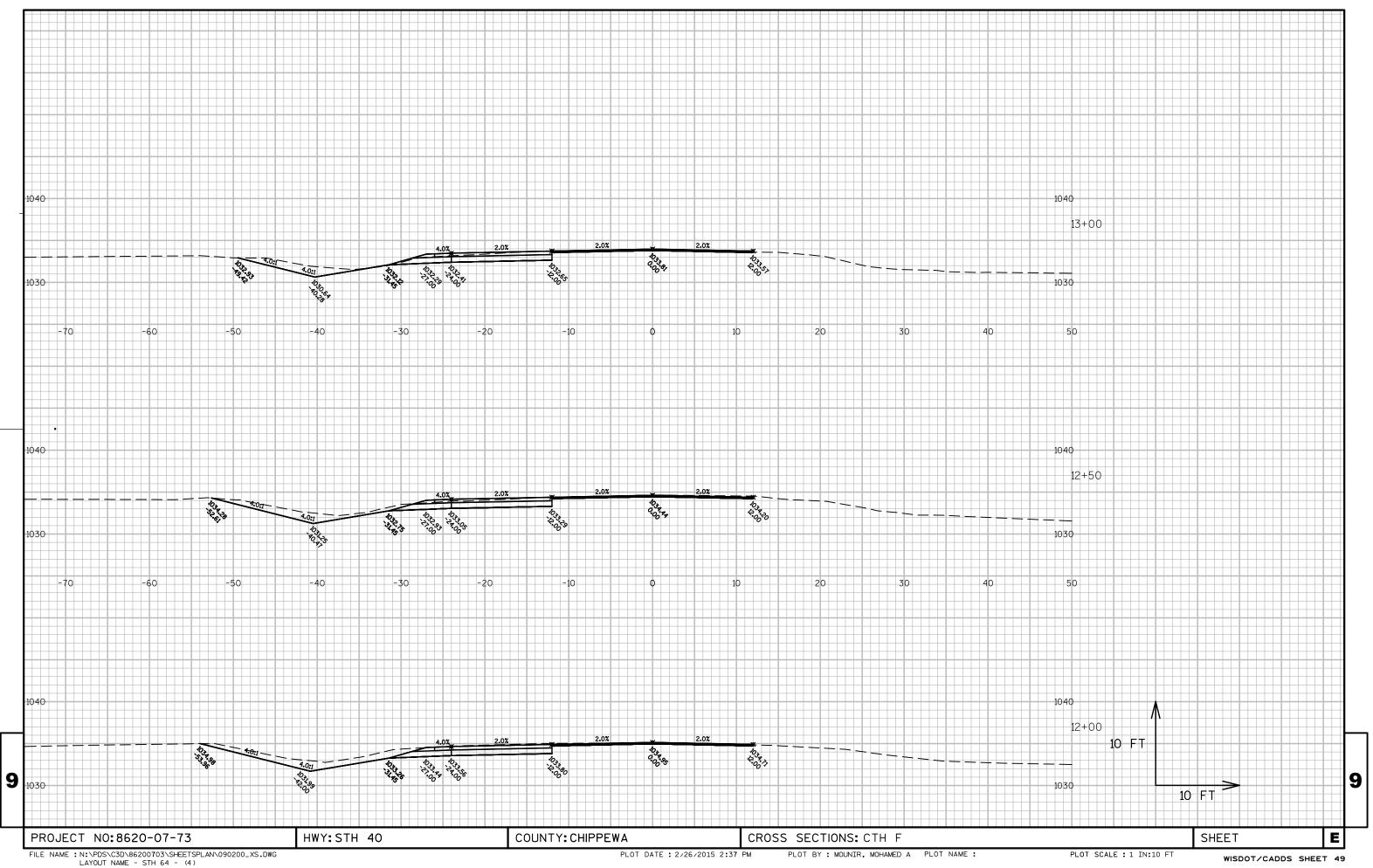


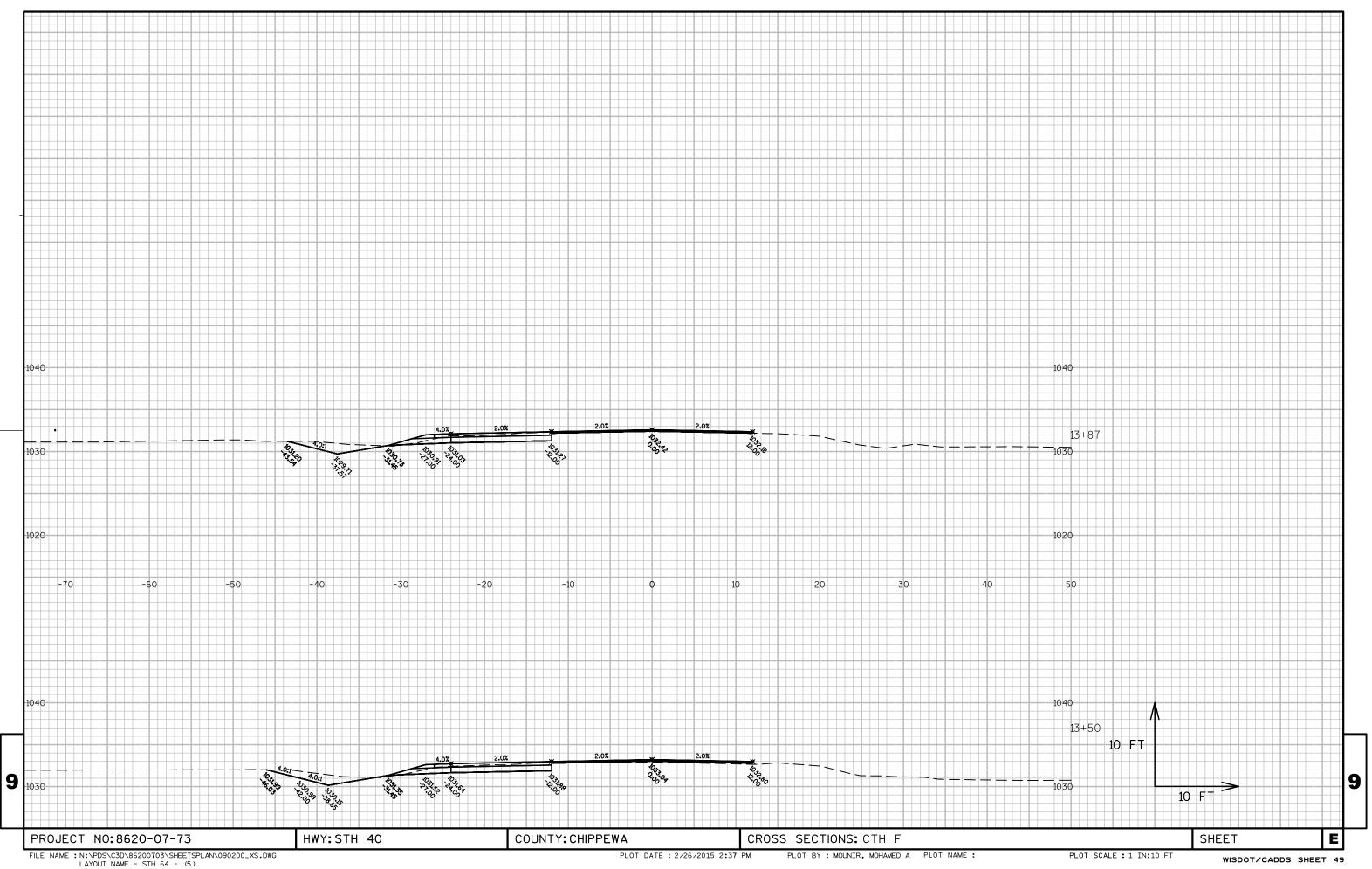


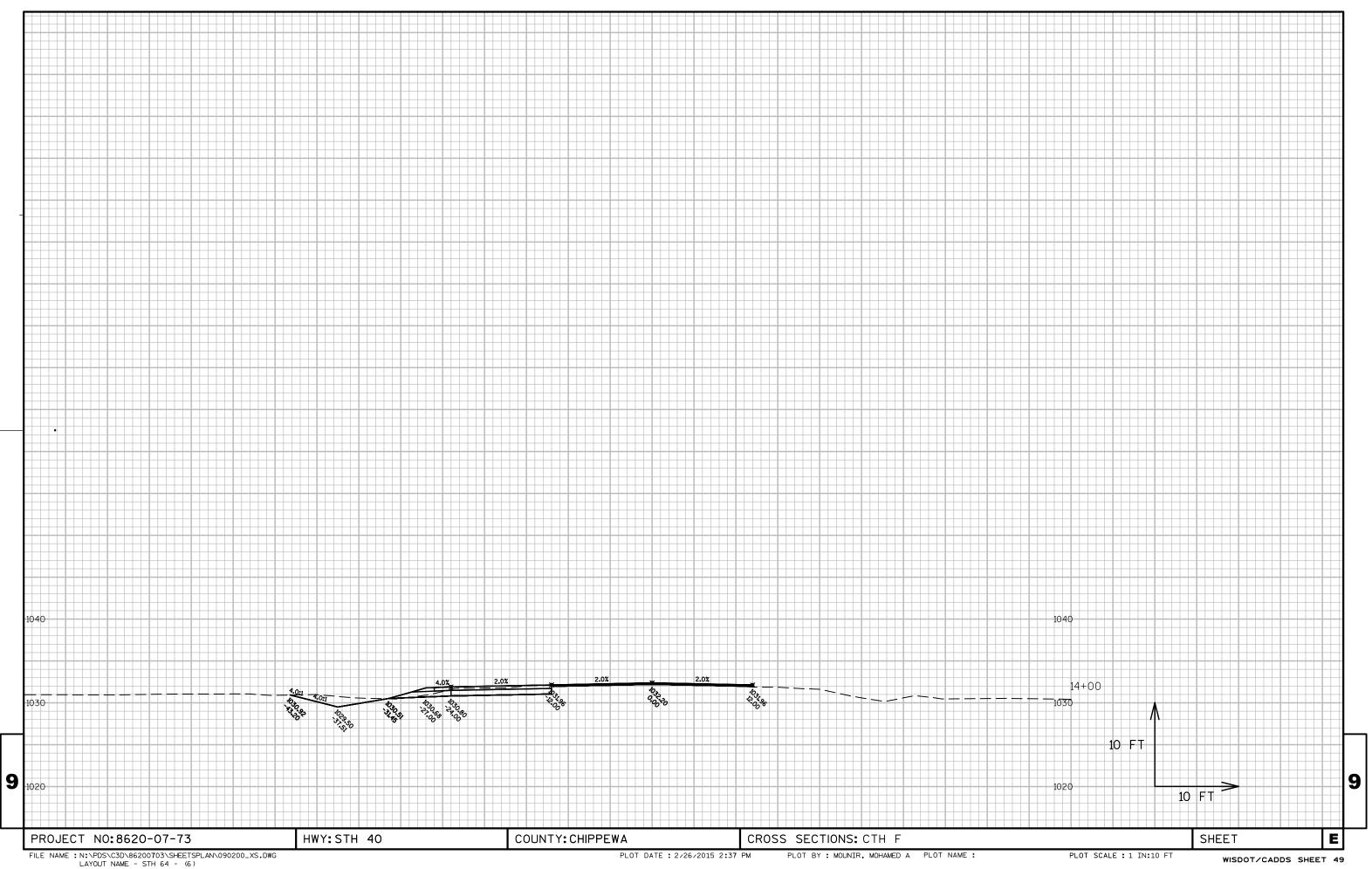












Notes



Wisconsin Department of Transportation

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