FEBRUARY 2019

ORDER OF SHEETS

Section No. 5

Section No. 1 Typical Sections and Details Section No. 2 Estimate of Quantities Section No. 3

Miscellaneous Quantities Section No. 3 Section No. 4 Right of Way Plat

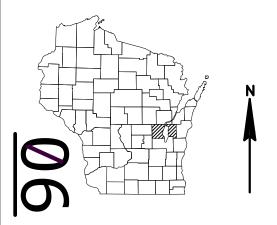
Section No. 6 Standard Detail Drawings

Plan and Profile

Section No. 7 Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data Section No. 9 Cross Sections

TOTAL SHEETS = 396



DESIGN	DESIGNATIO	N	CTH AP W OF RAMP	CTH AP OF RAMP	RACINE RD S OF AP	RACINE RD N OF AP
A.A.D.T.	2020	=	4,900	8,900	6,500	5,600
A.A.D.T.	2038	=	5,800	10,900	7,100	7,000
D.H.V.	2038	=	1,020	1,470	1,140	1,130
D.D.		=	59%	59%	59%	59%
Т.		=	4.2%	3.7%	3.8%	4.1%
DESIGN S	SPEED	=	40 MPH	40 MPH	40 MPH	40 MPH
ESALS		=	676,000	1,076,000	813,000	809,000

CONVENTIONAL SYMBOLS			
PLAN		PROFILE	
CORPORATE LIMITS	//////	GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND MARSH OR ROCK PROFILE	ROCK
LOT LINE		(To be noted as such)	
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION	95.36
SLOPE INTERCEPT		CULVERT (Profile View)	0 □
REFERENCE LINE		UTILITIES	
EXISTING CULVERT		COMMUNICATION OVERHEAD COMMUNICATION UNDERGROUND	— с —
PROPOSED CULVERT (Box or Pipe)	-	ELECTRIC OVERHEAD	—— он ——
COMBUSTIBLE FLUIDS	M	ELECTRIC UNDERGROUND	— Е —
COMBOSTIBLE 1 EGIDS	-CAUTION-	FIBER OPTIC	——F0——
	<i>y</i> ·	GAS	— G —
MARSH AREA	(* * * /* /	SANITARY SEWER	SAN
	<u></u>	STORM SEWER	——ss——
	tuuuuuu	WATER	— w —
WOODED OR SHRUB AREA	E	UTILITY PEDESTAL	Ħ
		POWER POLE	占

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

USH 10 - USH 10/STH 441

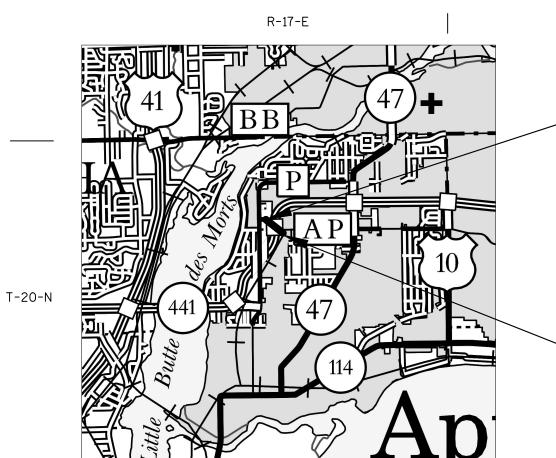
COUNTY CB - ONEIDA STREET

USH 10

WINNEBAGO COUNTY

MIDWAY RD (CTH AP) INTCHG

STATE PROJECT NUMBER 1517-75-77



BEGIN PROJECT 1517-75-77

STA 10MEB+00.00 Y=551194.398 X=817643.389

STATE PROJECT

1517-75-77

END PROJECT 1517-75-77

STA 29MEB+76.68 Y=550598.344

X=819454.236

DEPARTMENT OF TRANSPORTATION PREPARED BY KAPUR Surveyor K. SLEZAK Designer S. EBEL

STATE OF WISCONSIN

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2019120

TOTAL NET LENGTH OF CENTERLINE = 0.382

SCALE L

GEODETIC VERTICAL DATUM OF 1929, NGVD 29.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS). WINNEBAGO COUNTY NAD83 (1991).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL

TELEPHONE POLE

C. DEGRAVE

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



UTILITY CONTACTS

AMERICAN TRANSMISSION COMPANY LLC - ELECTRICITY-TRANMISSION

TONY MARCINIAK
W 234 N 2000 RIDGEVIEW PARKWAY COURT
PO BOX 47
WAUKESHA, WI 53187-0047
262-506-6814
TMARCINIAK@atcllc.com

AT&T WISCONSIN - COMMUNICATION LINE

JOSEPH KASSAB 205 S JEFFERSON STREET GREEN BAY, WI 54301 920-433-4200 JK572K@qtt.com

CHARTER COMMUNICATION - COMMUNICATION LINE

VINCE ALBIN
3520 DESTINATION DRIVE
APPLETON, WI 54915
920-831-9249
vince.albin@charter.com

FOX CROSSING UTILITIES - SEWER

JEFF ROTH 2340 AMERICAN DRIVE NEENAH, WI 54956 920-720-7175 JROTH@FOXCROSSINGWI.GOV

FOX CROSSING UTILITIES - WATER

JEFF ROTH 2340 AMERICAN DRIVE NEENAH, WI 54956 920-720-7175 JROTH@FOXCROSSINGWI.GOV

MENASHA ELECTRIC & WATER UTILITIES - ELECTRIC

GREG SHULL 321 MILWAUKEE STREET PO BOX 340 MENASHA, WI 54952-0340 920-967-3422 GShull@wppiEnergy.org

MENASHA ELECTRIC & WATER UTILITIES - WATER

SCOTT MAURER
321 MILWAUKEE STREET
PO BOX 340
MENASHA, WI 54952-0340
920-967-3430; CELL: 920-707-3733
smaurer@wppienergy.org

TDS METROCOM

STEVE JAKUBIEC
10 COLLEGE AVE STE 218A
APPLETON, WI 54911
920-882-4166; CELL: 920-562-7221
steve.jakubiec@tdstelecom.com

WE ENERGIES - ELECTRIC

CHRIS SCHULZ 500 S 116 ST WEST ALLIS, WI 53214 414-944-5553; CELL: 414-550-8289 chris.schulz@we-energies.com

WE ENERGIES - GAS

CODY BECKMANN
PO BOX 1699
APPLETON, WI 54912
920-380-3422
cody.beckmann@we-energies.com

WISCONSIN CENTRAL LTD CONTACTS

RAILROAD FLAGGING CONTACT

MARY ELLEN CARMODY 2800 LIVERNOIS ROAD, STE 330 TROY, MI 48083 OFFICE: 248-740-6227 FAX: 248-740-6036 maryellen.carmody@cn.ca

MAIN RAILROAD CONTACT

JACKIE MACEWICZ
MANAGER PUBLIC WORKS
1625 DEPOT STREET
STEVENS POINT, WI 54481
OFFICE: 715-345-2503
FAX: 715-345-2507
JACKIE.MACEWICZ@cn.cd

24 HOUR EMERGENCY RAILROAD SIGNAL

1-800-616-3432

CALL BEFORE YOU DIG

WISCONSIN CENTRAL LTD IS NOT PART OF DIGGER HOTLINE CALL CHRISTINE GRZESIAK, 715-345-2506 WHEN DIGGING ON RAILROAD R/W

COUNTY SURVEYOR CONTACT

JERRY BOUGIE WINNEBAGO COUNTY COURT HOUSE 445 ALGOMA BLVD OSHKOSH, WI 54903 920-236-4839

DNR AREA LIASON

JAY SCHIEFELBEIN
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
920-360-3784; CELL: 920-662-5472
Jeremiah.schiefelbein@wisconsin.gov

US ARMY CORP OF ENGINEERS

NICK DOMER OLD FORT SQUARE 211 N. BROADWAY, STE 221 GREEN BAY, WI 54303 651-290-5855 T.Dormer@usace.army.mil

WINNEBAGO COUNTY

HIGHWAY COMMISSIONER

RAY PALONEN 901 WEST COUNTY ROAD Y P.O. BOX 2764 OSHKOSH, WI 54903 920-232-1700

FOR WE ENERGIES

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-662-4797 GAS 24 HOUR EMERGENCY SERVICE: 1-800-261-5325

ORDER OF PLAN SHEETS TITLE SHEET

UTILITIES GENERAL NOTES ABBREVIATIONS PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS REMOVAL PLAN PLAN DETAILS PAVEMENT GRADES INVASIVE SPECIES **EROSION CONTROL** STORM SEWER PLAN PIPE UNDERDRAIN SIGNING ITS LIGHTING PLAN PAVEMENT MARKING STAGE CONSTRUCTION ALIGNMENT DETAIL ESTIMATE OF QUANTITIES MISCELLANEOUS QUANTITIES RIGHT-OF-WAY PLAT **BENCHMARKS** PLAN & PROFILE SPECIAL SIGN DETAILS EARTHWORK CROSS SECTIONS

PROJECT NO:1517-75-77

HWY: STH 441/USH 10

COUNTY: WINNEBAGO

UTILITIES & GENERAL NOTES

PLOT BY : MARTENS, JOHN M PLOT NAME :

SHEET

PLOT SCALE : 1 IN:10 FT

| E

FILE NAME: S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\020100-GN\NE-15177577-020101-GN.DWG 020101_gn - 01

PLOT DATE: 11/20/2018 7:35 AM

PLOT NAME :

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

EXISTING SURFACE ELEVATIONS USED TO CALCULATE PROPOSED EARTHWORK QUANTITIES ARE BASED UPON PREVIOUS CONSTRUCTION DTM'S. FIELD CHANGES TO THESE PROPOSED DTM'S WILL NOT BE REFLECTED IN THE EXISTING DTM FOR THIS CONTRACT.

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

RIGHT OF WAY LINES SHOWN ON CROSS SECTIONS ARE APPROXIMATE.

THE EXACT LOCATIONS OF PRIVATE ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER, OR AS SHOWN ON THE PLANS. BASE AGGREGATE DENSE 11/4-INCH SHALL BE USED UNDER ALL DRIVEWAYS.

THE EXACT LOCATIONS AND WIDTH OF TEMPORARY ACCESS FOR DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTORS EXPENSE.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WATERWAY.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH SPECIFIED THICKNESS AS OUTLINED IN THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

FILL AND COMPACT ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WITH GRANULAR BACKFILL. BACKFILLING IS INCIDENTAL TO CORRESPONDING ABANDONMENT OR REMOVAL ITEM.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

BROKEN CONCRETE CONTAINING STEEL SHALL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

SIDEWALK GRADES ARE GIVEN FROM THE FRONT OF THE SIDEWALK WHEN SHOWN.

THE EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

ANY MESH MATERIAL THAT IS FOUND IN EXISTING PAVEMENT WILL BE INCIDENTAL TO THE REMOVAL OF THE PAVEMENT IN THAT SECTION. EXISTING PAVEMENT DEPTHS ARE BASED ON AS-BUILT DATA AND MAY VARY IN THE FIELD.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS. THIS ALSO INCLUDES VERIFICATION OF INVERT ELEVATIONS AT ALL PROPOSED STORM SEWER CONNECTION POINTS TO EXISTING SYSTEMS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE 1 OR TYPE 2.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER.

BENCHMARK LOCATIONS SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED.

ALL ITEMS ASSOCIATED WITH SIGNING REMOVALS ARE SHOWN ON SIGNING PLAN, EXCEPT FOR REMOVING OLD SIGN STRUCTURES.

5 FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED 5 FEET, AND 10 FOOT WIDE SIDEWALK REQUIRES TRANSVERSE JOINTS SPACED AT 10 FEET.

EXCAVATION REQUIRED FOR ALL SIGN STRUCTURES, BRIDGES, AND RETAINING WALLS IS NOT INCLUDED IN THE COMPUTER EARTHWORK AND IS INCIDENTAL TO THE PERTINENT STRUCTURE ITEMS. SEE STRUCTURE PLANS FOR ADDITIONAL GUIDANCE ON REQUIRED EXCAVATION LIMITS.

SIDEWALK REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO VERIFIED IN THE FIELD BY THE ENGINEER. MATCH EXISTING SIDEWALK

FOR ALL CURB RAMPS, REFER TO THE STANDARD DETAIL DRAWINGS FOR THE RAMP TAPER DIMENSIONS. SIDEWALK WIDTHS ARE DIMENSIONED IN THE PLAN.

PROTECT INLETS WITH PROPER INLET PROTECTION AT LOCATIONS EXHIBITING RISK OF BEING IMPACTED BY CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

ABBREVIATIONS

ALIGNMENT IDENTIFIERS Ε EARL STREET EΒ STH 441/USH 10 EB MEB MIDWAY ROAD EB MNE MIDWAY ROAD NE RAMP MNW MIDWAY ROAD NW RAMP MNWB MIDWAY NW RAMP BYPASS MSE MIDWAY ROAD SE RAMP **MSEB** MIDWAY SE RAMP BYPASS MSW MIDWAY ROAD SW RAMP MWB MIDWAY ROAD WB R RACINE ROAD WB STH 441/USH 10 WB

APRON END WALL AEW AGG AGGREGATE BAD BASE AGGREGATE DENSE ВМ BENCH MARK C&G CURB AND GUTTER CENTER OR CONSTRUCTION LINE C/L CMCP CORRUGATED METAL CULVERT PIPE CONC CONCRETE CULVERT PIPE CP CPRC CULVERT PIPE REINFORCED CONCRETE CSD CONCRETE SURFACE DRAIN CY CUBIC YARD DEGREE OF CURVE D DELTA DISCH DISCHARGE EAST BOUND EΒ EL OR ELEV ELEVATION ENERGY ABSORBING TERMINAL EAT **EXIST** EXISTING FIELD ENTRANCE FΕ F00T HMA HOT MIX ASPHALT INL INLET INV **INVERT** LENGTH OF CURVE LHF LEFT HAND FORWARD LEFT LT LF LINEAR FOOT MIN MINIMUM MANHOLE MH M/L MATCHLINE NB NORTHBOUND NORMAL CROWN NC PAVT **PAVEMENT** POINT OF CURVE POINT OF COMPOUND CURVE PC PCC PΕ PRIVATE ENTRANCE ΡI POINT OF INTERSECTION PLE PERMANENT LIMITED EASEMENT РΤ POINT OF TANGENT RADIUS OF CURVE R/L REFERENCE LINE RC REVERSE CROWN RCAEW REINFORCED CONCRETE APRON ENDWALL FOR CULVERT PIPE REQ'D REQUIRED RHF RIGHT HAND FORWARD RUN OFF LENGTH R0 RRSP RAIL ROAD SPIKE RT RIGHT RW OR R/W RIGHT OF WAY SALV SALVAGED SAPBC SALVAGED ASPHALTIC PAVEMENT BASE COURSE SB SOUTHBOUND SDD STANDARD DETAIL DRAWING SE SF SUPER ELEVATION SQUARE FOOT SSPRC STORM SEWER PIPE REINFORCED CONCRETE STA STATION SQUARE YARD SY TANGENT LENGTH TEMP **TEMPORARY** TEMPORARY LIMITED EASEMENT TLE TYP TYPICAL VCL VERTICAL CURVE LENGTH VPC POINT OF VERTICAL CURVE VPI POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENT VPT WB WESTBOUND ΥD YARD

PLOT DATE : 11/20/2018 7:35 AM

PLOT SCALE : 1 IN:10 FT

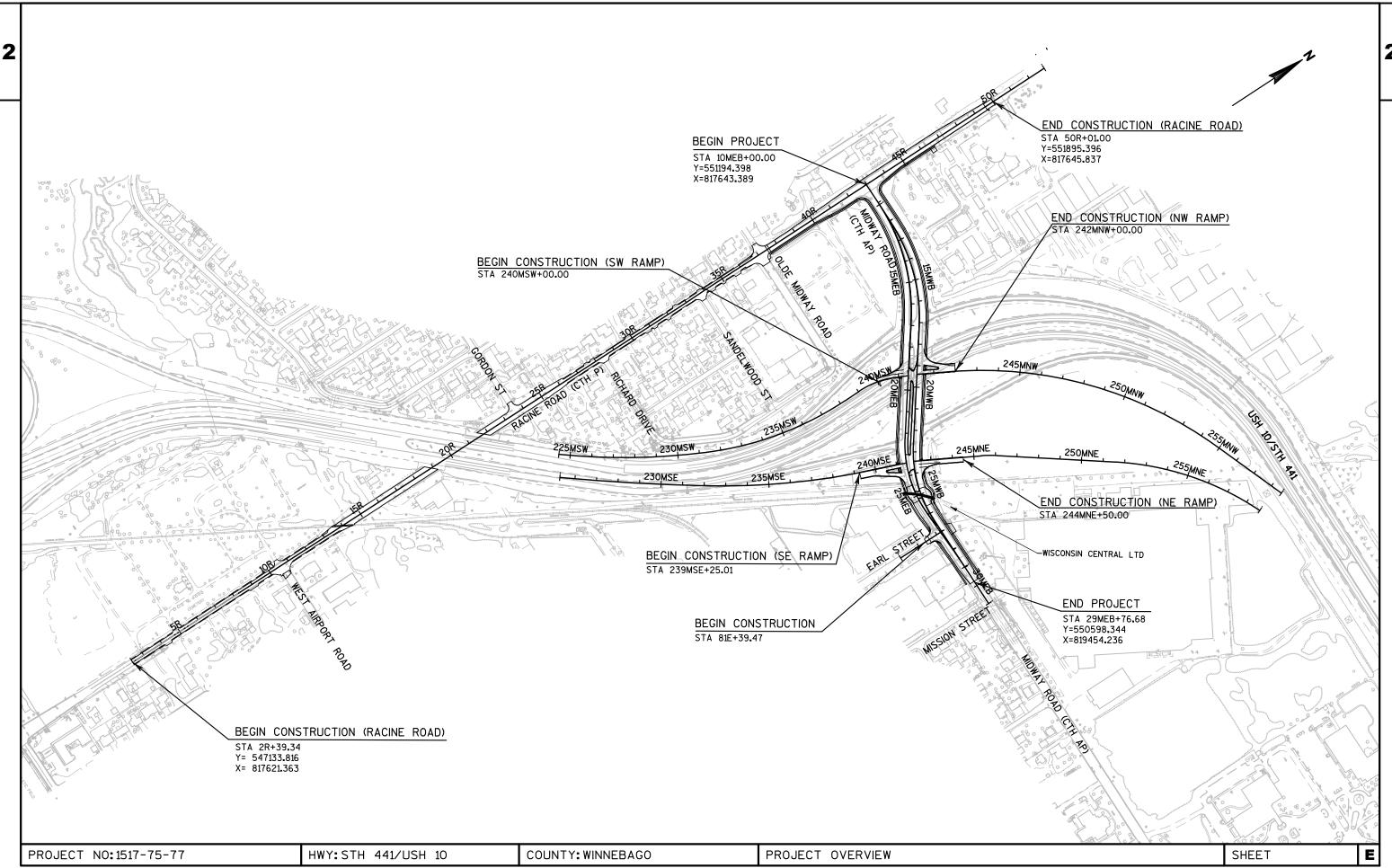
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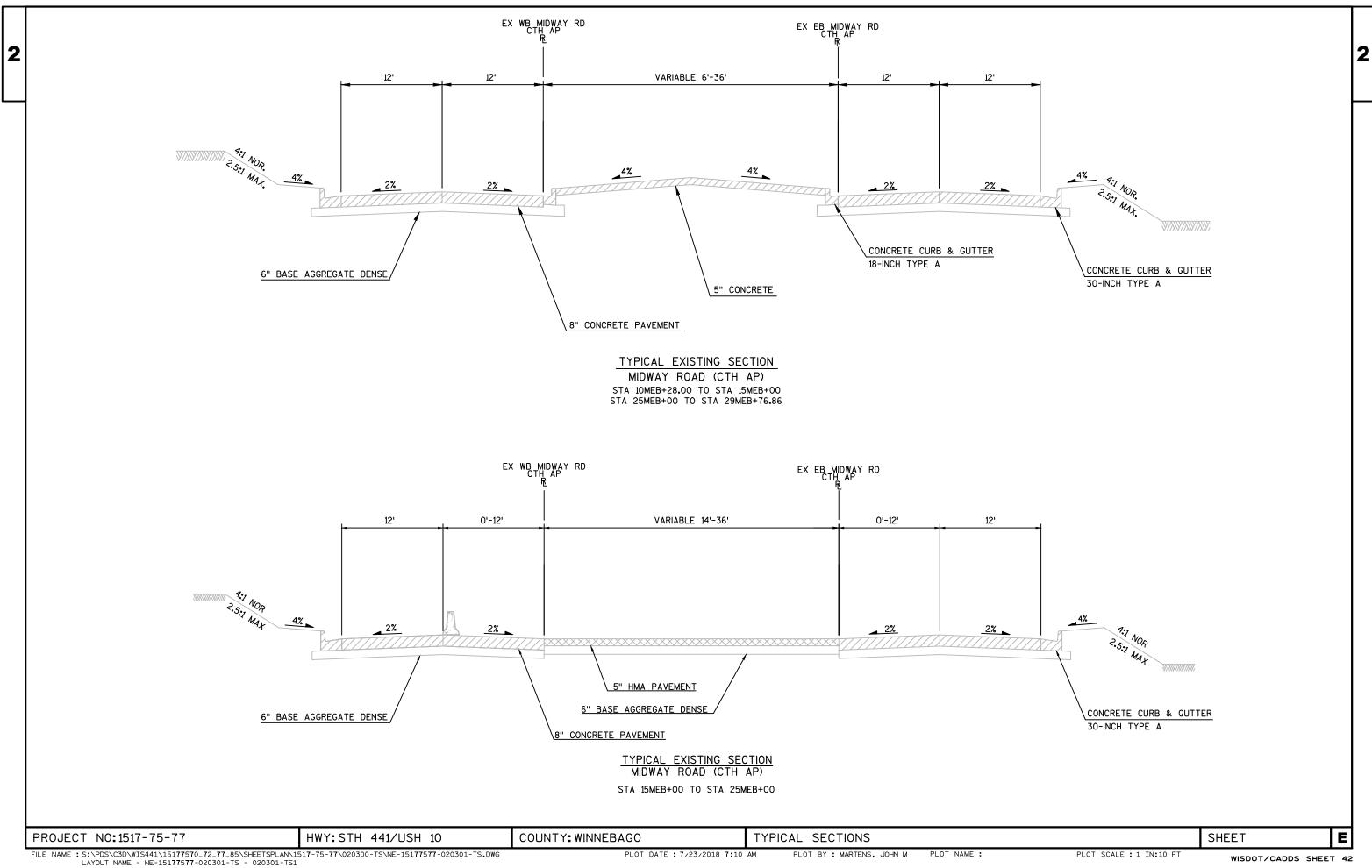
2

RUNOFF COEFFICENT TABLE

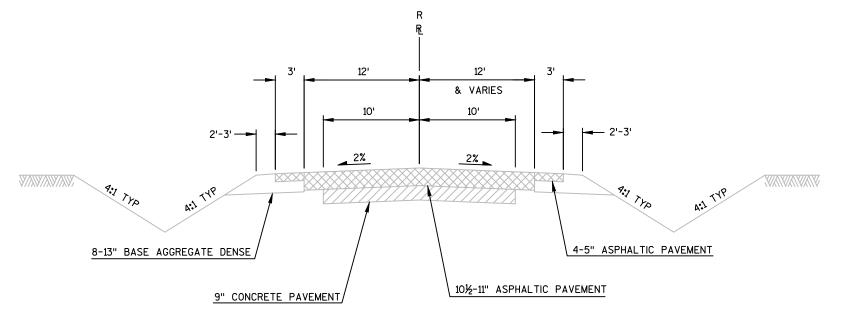
	HYDROLOGIC SOIL GROUP											
	А		В			С			D			
	SLOPI	E RANGE (PE	RCENT)	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)				
LAND USE	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE STRIP TURF			0.25			0.27			0.28			0.30
			0.32			0.34			0.36			0.38
PAVEMENT:	PAVEMENT:											
ASPHALT .7095												
CONCRETE .8095												
BRICK .7080												
DRIVES, WALKS .7585												
ROOFS	ROOFS .7595											
GRAVEL ROADS, SHOULDERS .4060												

PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO COEFFICENT TABLE SHEET **E**

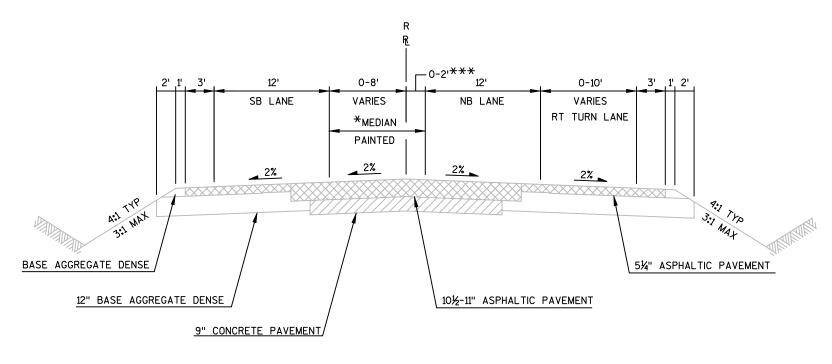








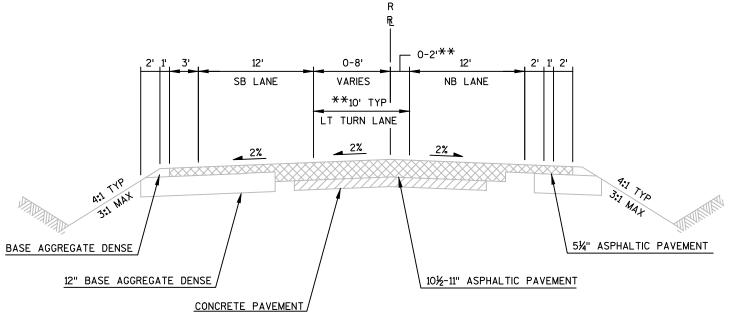
TYPICAL EXISTING SECTION RACINE ROAD (CTH P) STA 37R+58.59 TO STA 40R+64.13



TYPICAL EXISTING SECTION RACINE ROAD (CTH P)

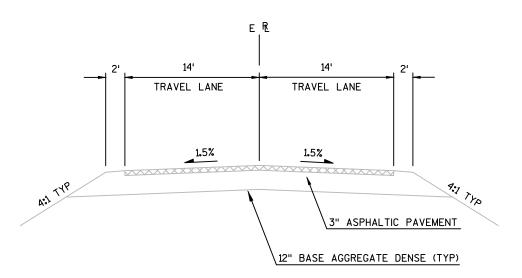
STA 40R+64.13 TO STA 43R+70.41 *STA 42R+28.71 TO STA 42R+68.71 ***STA 41R+76.04 TO STA 42R+53.67





TYPICAL EXISTING SECTION RACINE ROAD (CTH P)

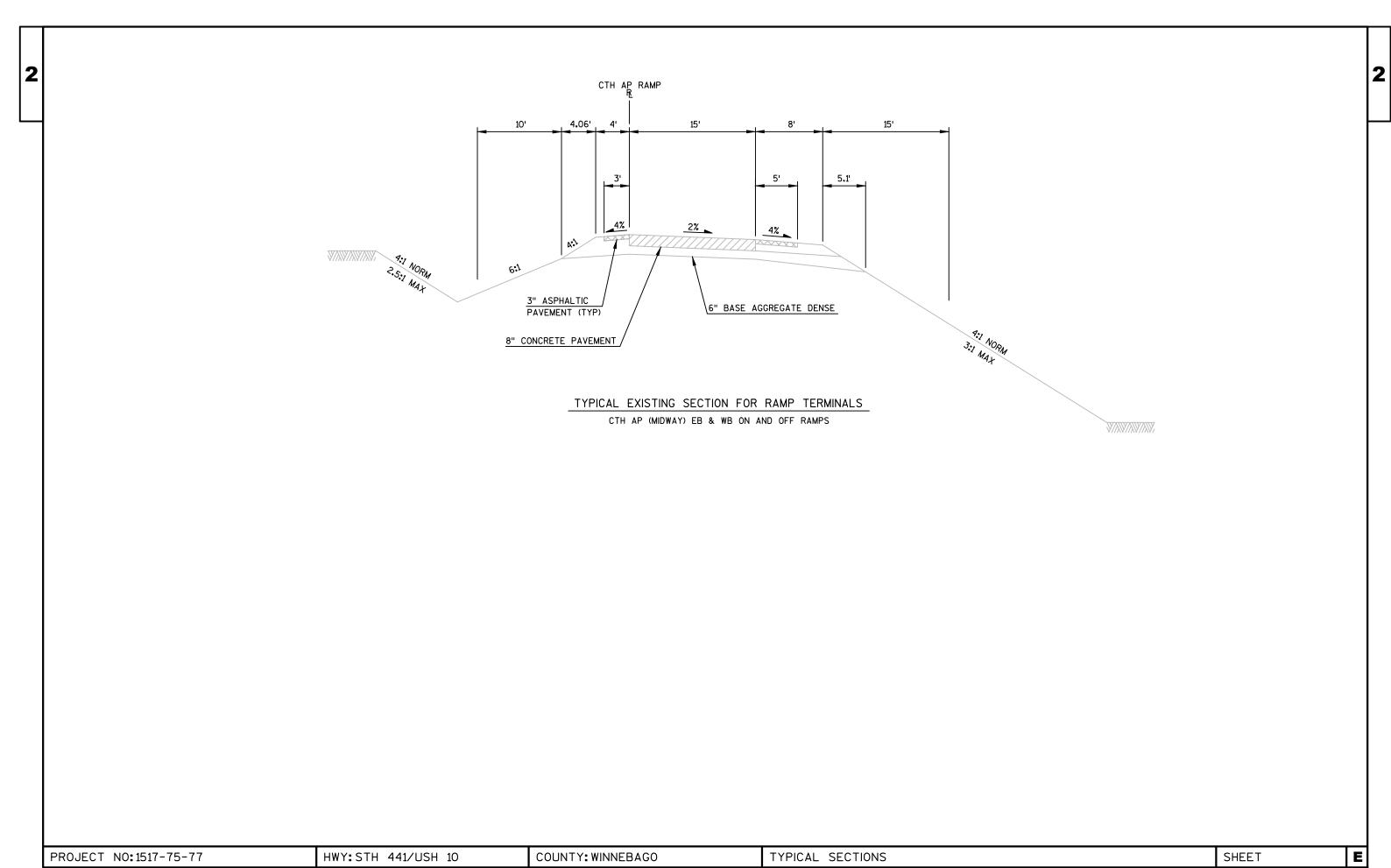
STA 43R+70.41 TO STA 45R+70.60 **STA 43R+70.41 TO STA 49R+57.04



TYPICAL EXISTING SECTION

EARL STREET

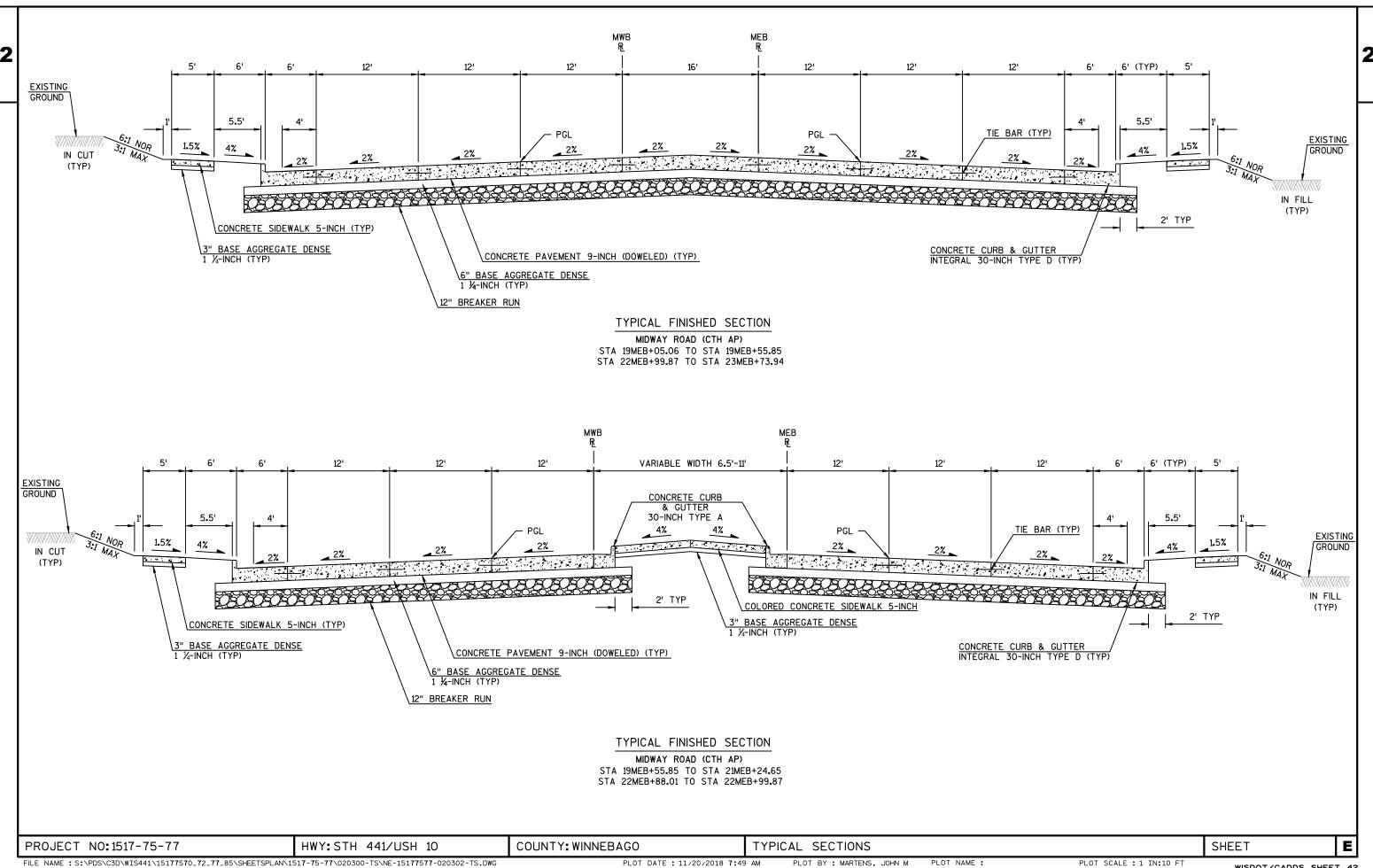
STA 81E+39.47 TO STA 81E+58.91

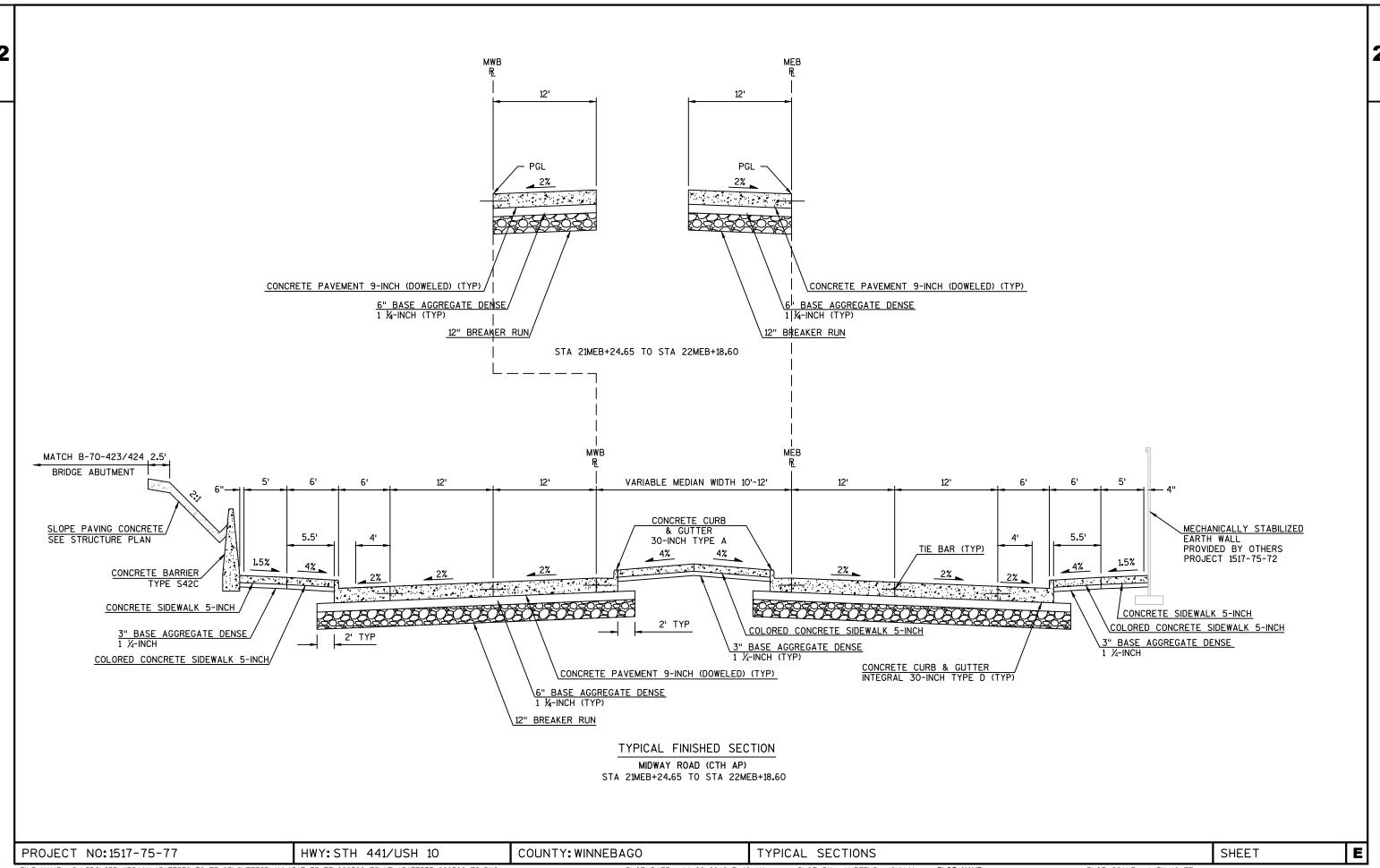


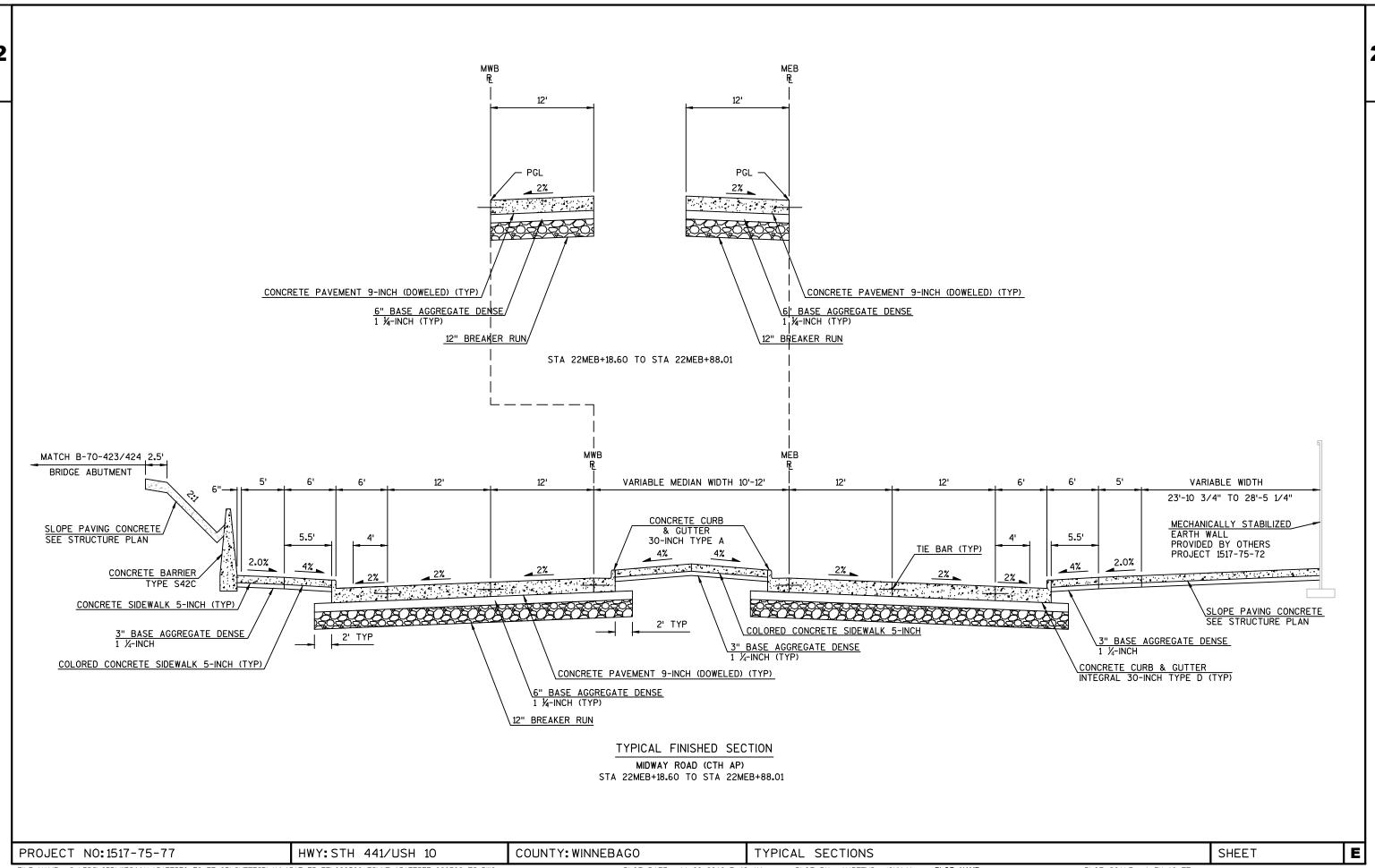
TYPICAL FINISHED SECTION

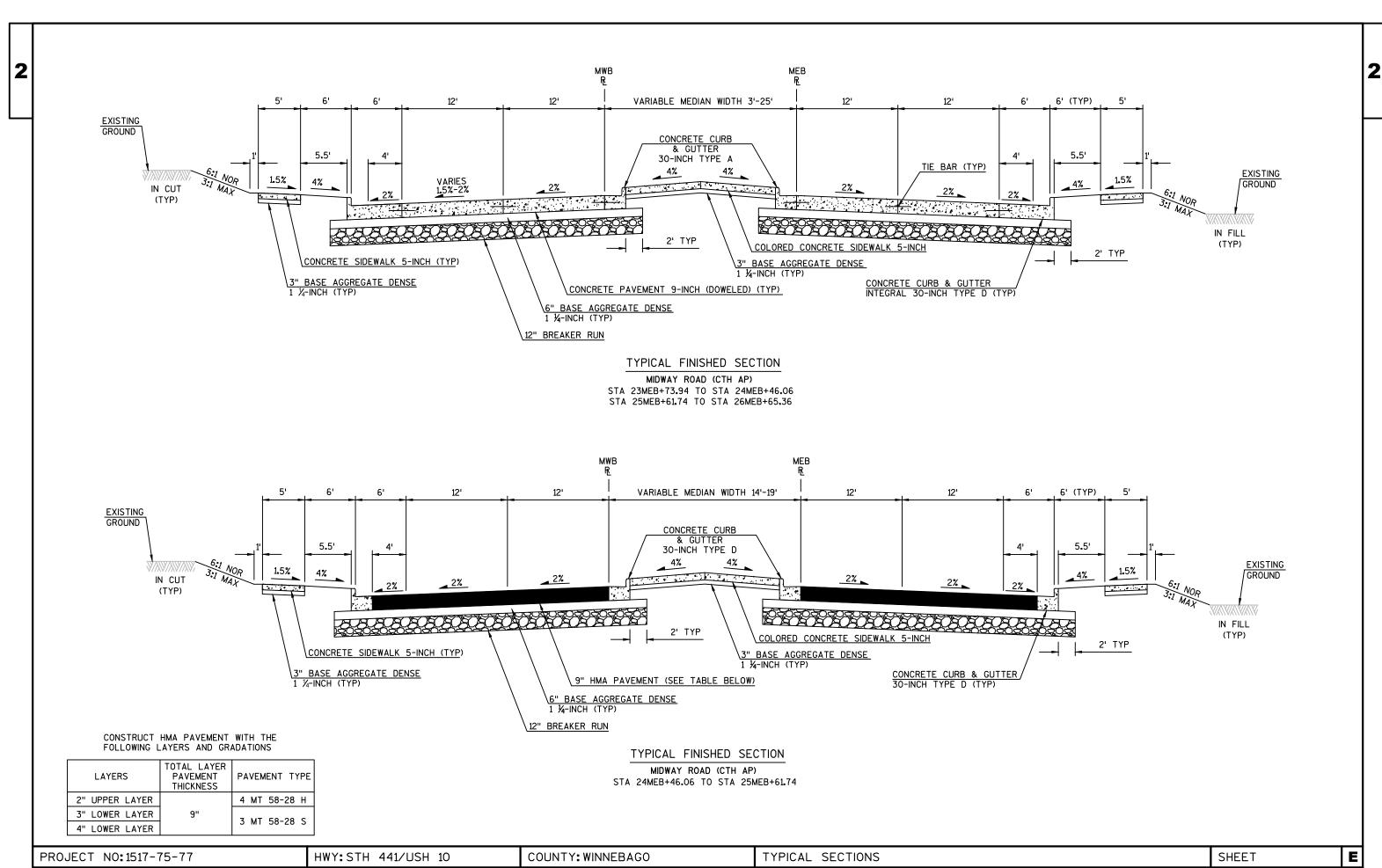
MIDWAY ROAD (CTH AP)

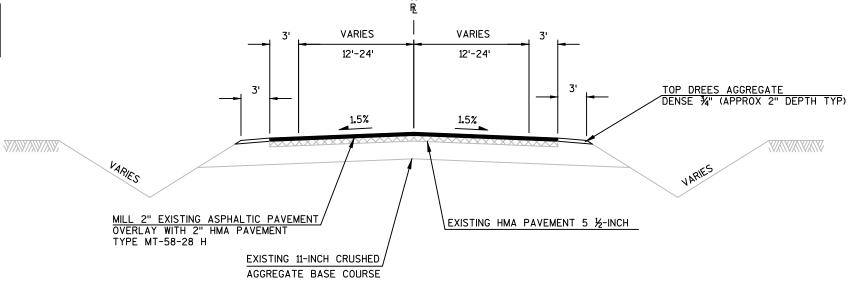
STA 12MEB+35.19 TO STA 19MEB+05.06



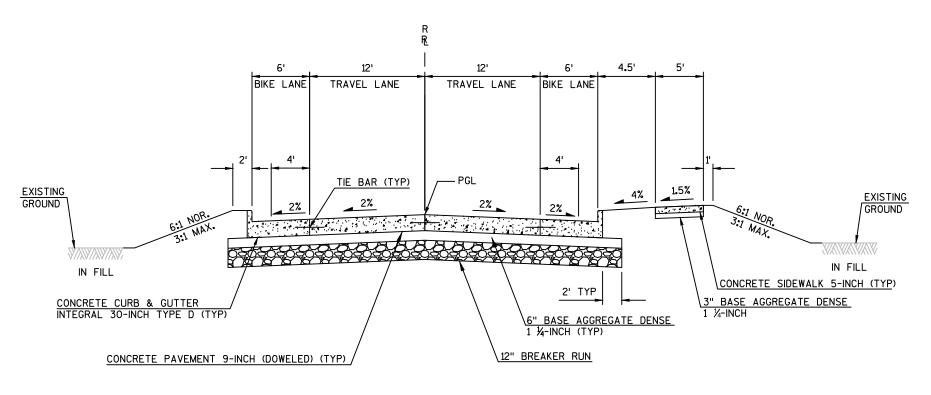








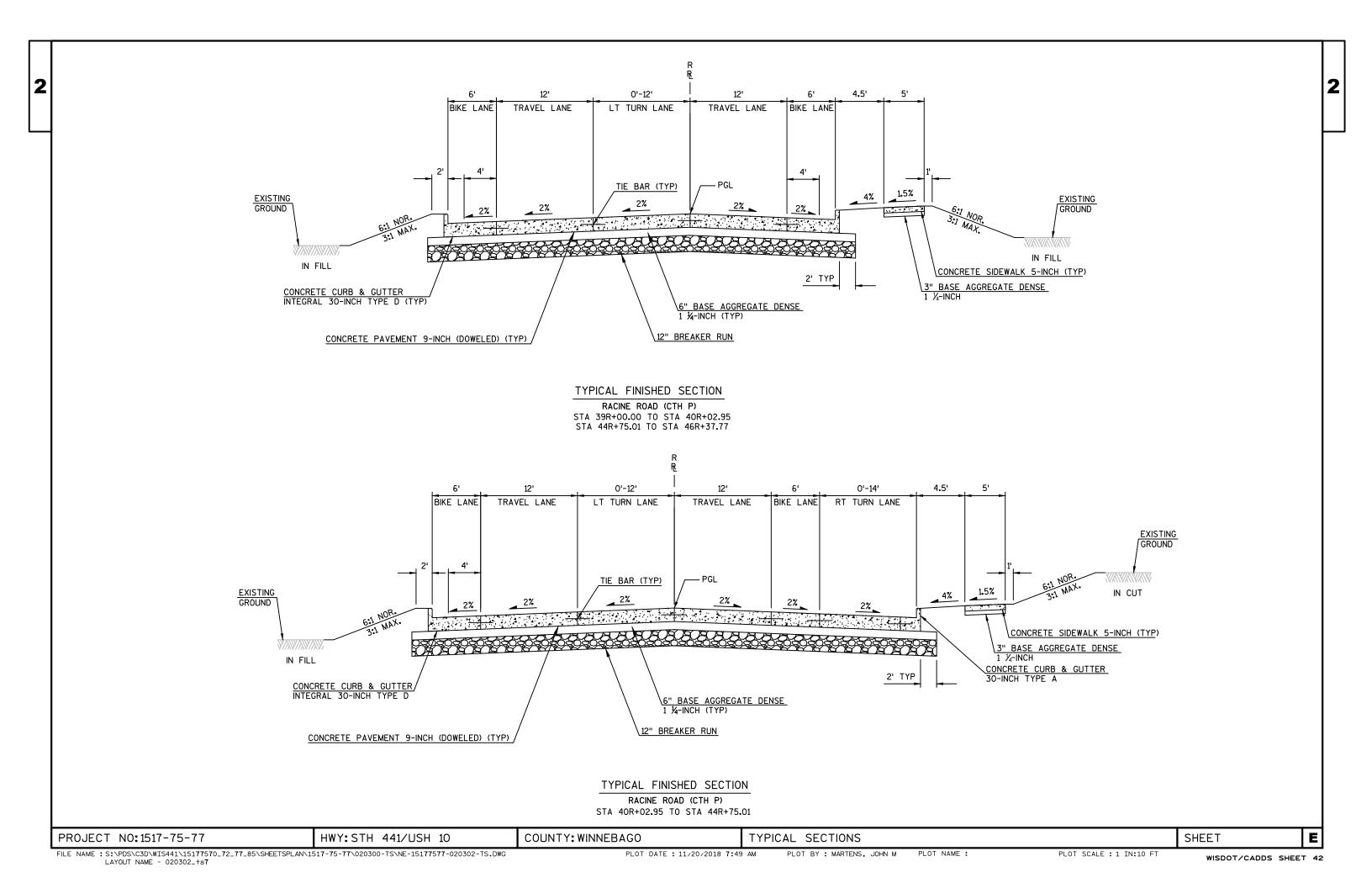
TYPICAL FINISHED SECTION
RACINE ROAD (CTH P)
STA 2R+39.34 TO STA 37R+58.59

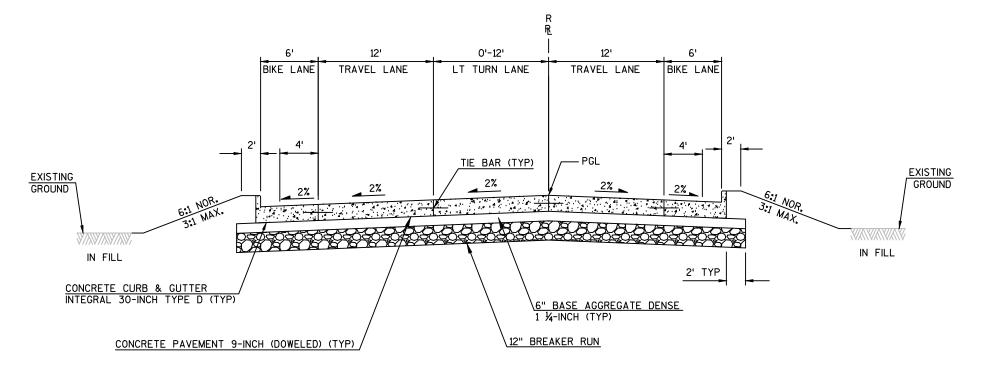


TYPICAL FINISHED SECTION

RACINE ROAD (CTH P)

STA 37R+58.59 TO STA 39R+00.00

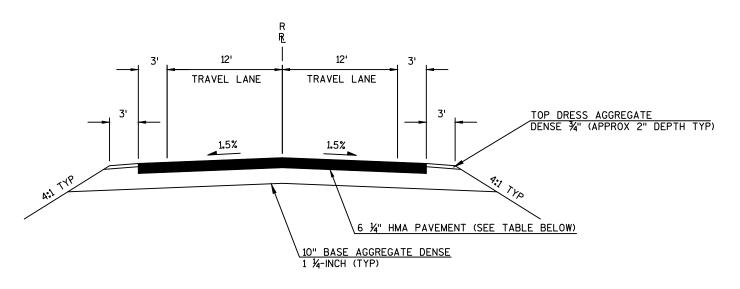




TYPICAL FINISHED SECTION

RACINE ROAD (CTH P)

STA 46R+37.77 TO STA 49R+57.04



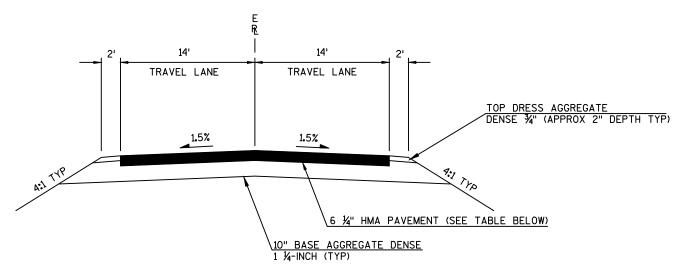
CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS AND GRADATIONS

LAYERS	TOTAL LAYER PAVEMENT THICKNESS	PAVEMENT TYPE
1¾" UPPER LAYER		4 MT 58-28 H
2¼" LOWER LAYER	6¼"	3 MT 58-28 S
2¼" LOWER LAYER		3 M1 56-26 5

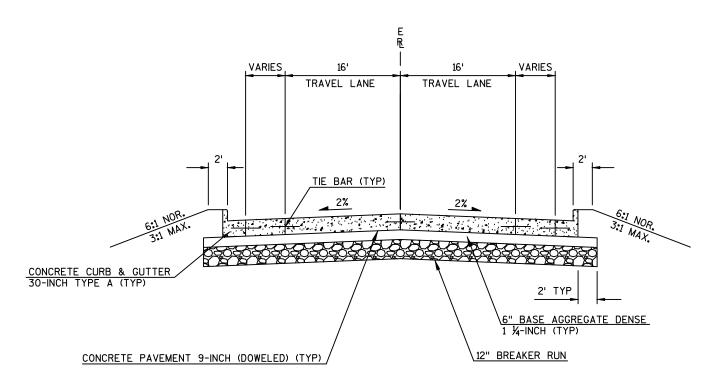
TYPICAL FINISHED SECTION
RACINE ROAD (CTH P)
STA 49R+57.04 TO STA 50R+01.00

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS AND GRADATIONS

LAYERS	TOTAL LAYER PAVEMENT THICKNESS	PAVEMENT TYPE			
1¾" UPPER LAYER		4 MT 58-28 H			
2¼" LOWER LAYER	6¼"	7 NT 50 20 C			
2¼" LOWER LAYER		3 MT 58-28 S			



TYPICAL FINISHED SECTION EARL STREET STA 81E+39.47 TO STA 81E+58.91



TYPICAL FINISHED SECTION EARL STREET

STA 81E+58.91 TO STA 81E+95.98

COUNTY: WINNEBAGO

HWY: STH 441/USH 10

TYPICAL SECTIONS

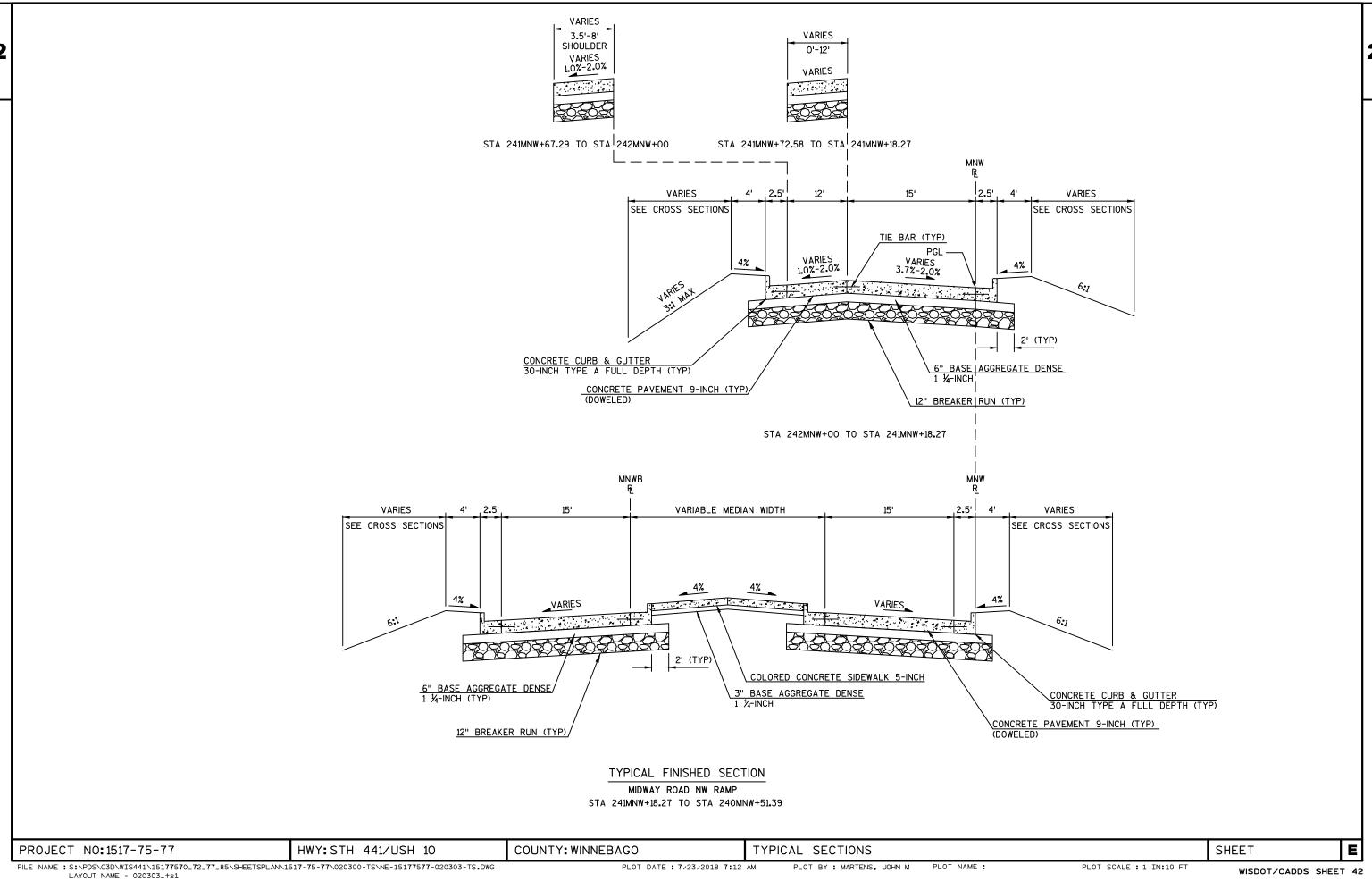
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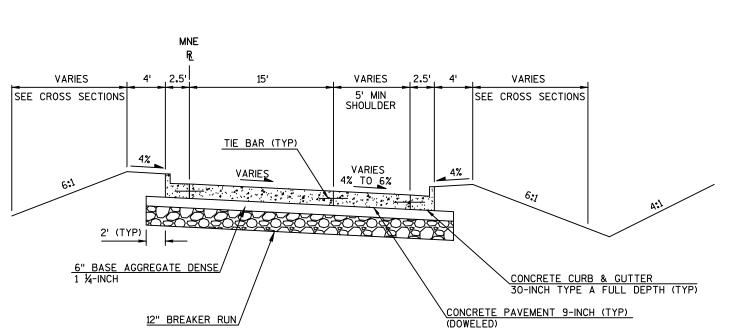
SHEET

FILE NAME : S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\020300-TS\NE-15177577-020302-TS.DWG LAYOUT NAME - 020302_+s9

PROJECT NO: 1517-75-77

PLOT BY: MARTENS, JOHN M PLOT NAME:

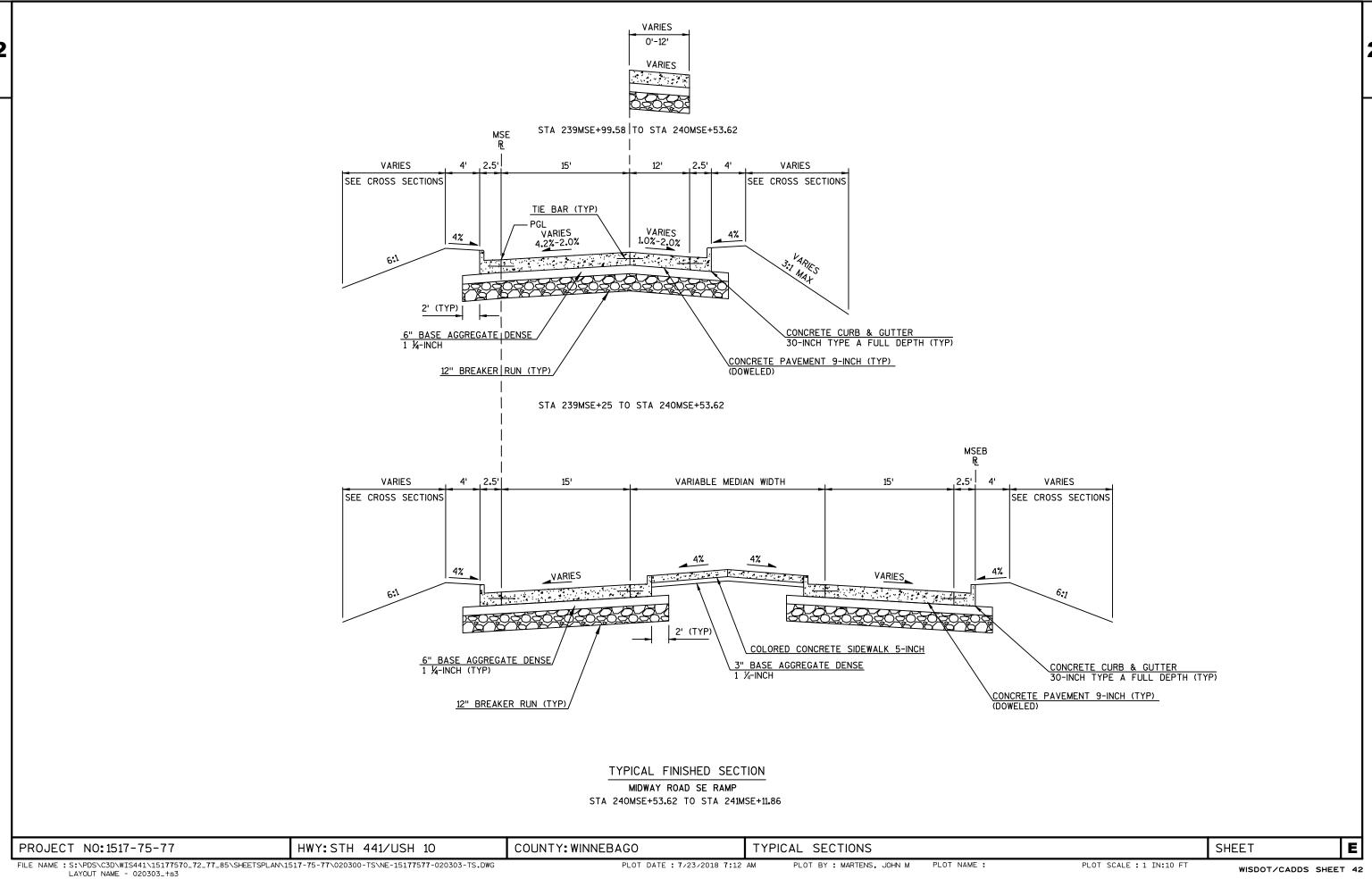


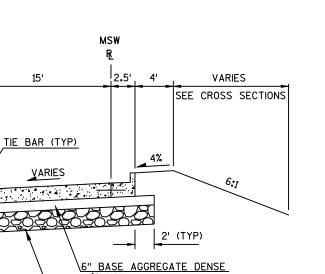


TYPICAL FINISHED SECTION

MIDWAY ROAD NE RAMP

STA 242MNE+53.51 TO STA 244MNE+50.00





TYPICAL FINISHED SECTION MIDWAY ROAD SW RAMP STA 240MSW+00 TO STA 241MSW+12.84

VARIES

8' MIN SHOULDER

VARIES 4%_T0_6%

15'

1 ¼-INCH

12" BREAKER RUN

VARIES

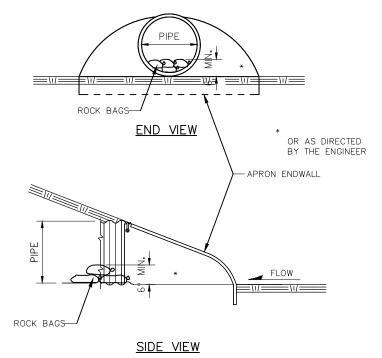
SEE CROSS SECTIONS

CONCRETE PAVEMENT 9-INCH (TYP)/(DOWELED)

CONCRETE CURB & GUTTER
30-INCH TYPE A FULL DEPTH (TYP)

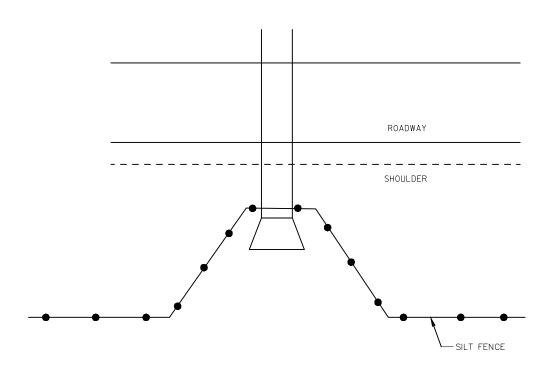
4%

PROJECT NO: 1517-75-77 COUNTY: WINNEBAGO TYPICAL SECTIONS SHEET E HWY: STH 441/USH 10



CULVERT PIPE CHECKS

AT INLET LOCATIONS



TYPICAL SILT FENCE DETAIL AT PIPE INLET

FOR FURTHER DETAIL SEE SILT FENCE DETAIL SDD

PROJECT NO: 1517-75-77 COUNTY: WINNEBAGO SHEET E HWY: STH 441/USH 10 PLAN: CONSTRUCTION DETAIL

SUBGRADE

NATIVE BACKFILL

WHATE

COMPACTED GRANULAR BACKFILL

(INCIDENTAL TO PIPE)

COMPACTED GRANULAR BACKFILL

(INCIDENTAL TO PIPE)

TRENCH BACKFILL DETAIL FOR NORMAL DEPTH PIPE CULVERTS
AND STORM SEWER PIPE INSTALLATIONS

SUBGRADE

NATIVE BACKFILL

NATIVE BACKFILL

SPRING LINE

COMPACTED GRANULAR BACKFILL

(INCIDENTAL TO PIPE)

TRENCH BACKFILL DETAIL FOR SHALLOW PIPE CULVERTS

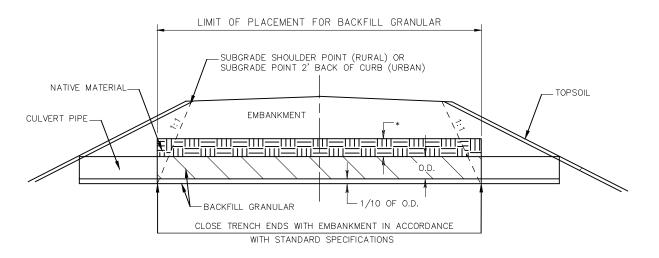
NOTES:

(1) NATIVE BACKFILL SHALL BE FREE OF LARGE LUMPS, CLODS, OR ROCK.

NOTES:

(1) NATIVE BACKFILL SHALL BE FREE OF LARGE LUMPS, CLODS, OR ROCK.

PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO PLAN: CONSTRUCTION DETAIL SHEET E



CULVERT BACKFILL DETAIL

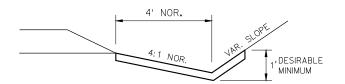
NOTES:

OD = OUTSIDE DIAMETER

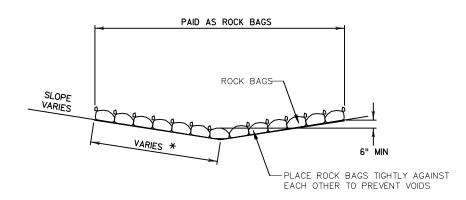
* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN
* CULVERT PIPE IN EXISTING EMBANKMENT = TO EXISTING GROUND ELEVATION

PROJECT NO: 1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO E PLAN: CONSTRUCTION DETAIL SHEET

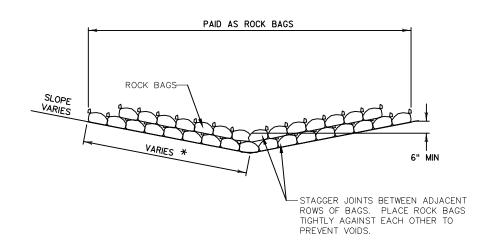
|~



EROSION MAT DETAIL FOR DITCHES



SIDE VIEW (SINGLE LAYER)

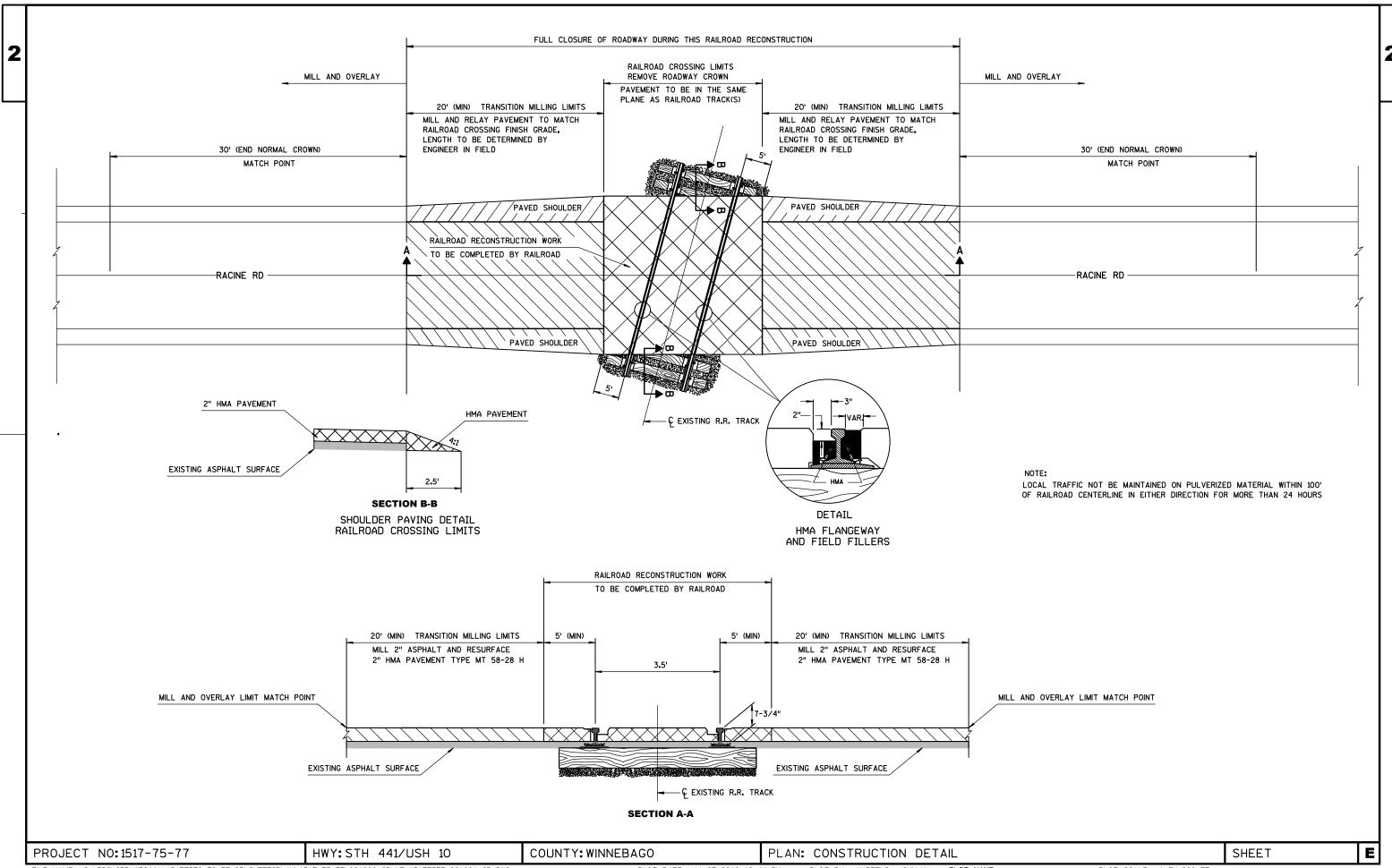


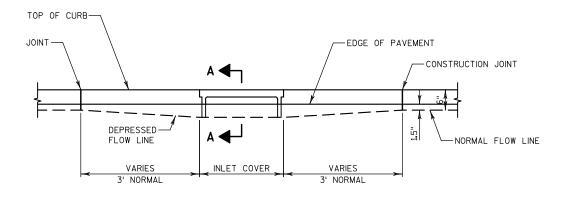
* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL.

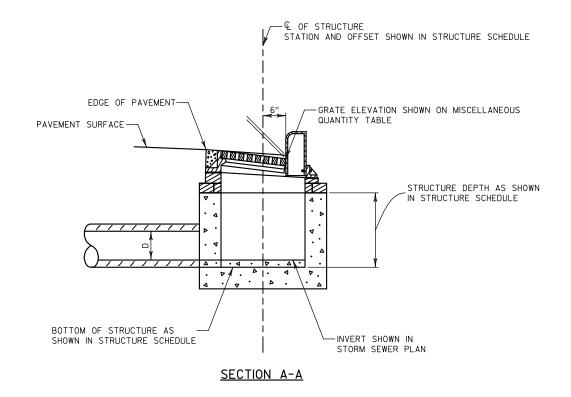
SIDE VIEW (DOUBLE LAYER)

TEMPORARY DITCH CHECK, ROCK BAGS, SINGLE LAYER AND DOUBLE LAYER

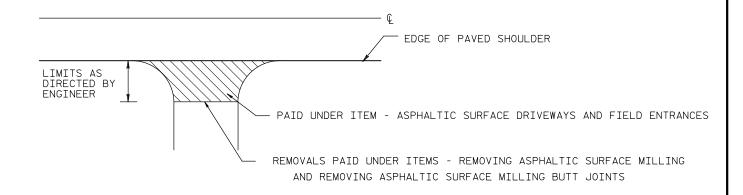
PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO PLAN: CONSTRUCTION DETAIL SHEET E





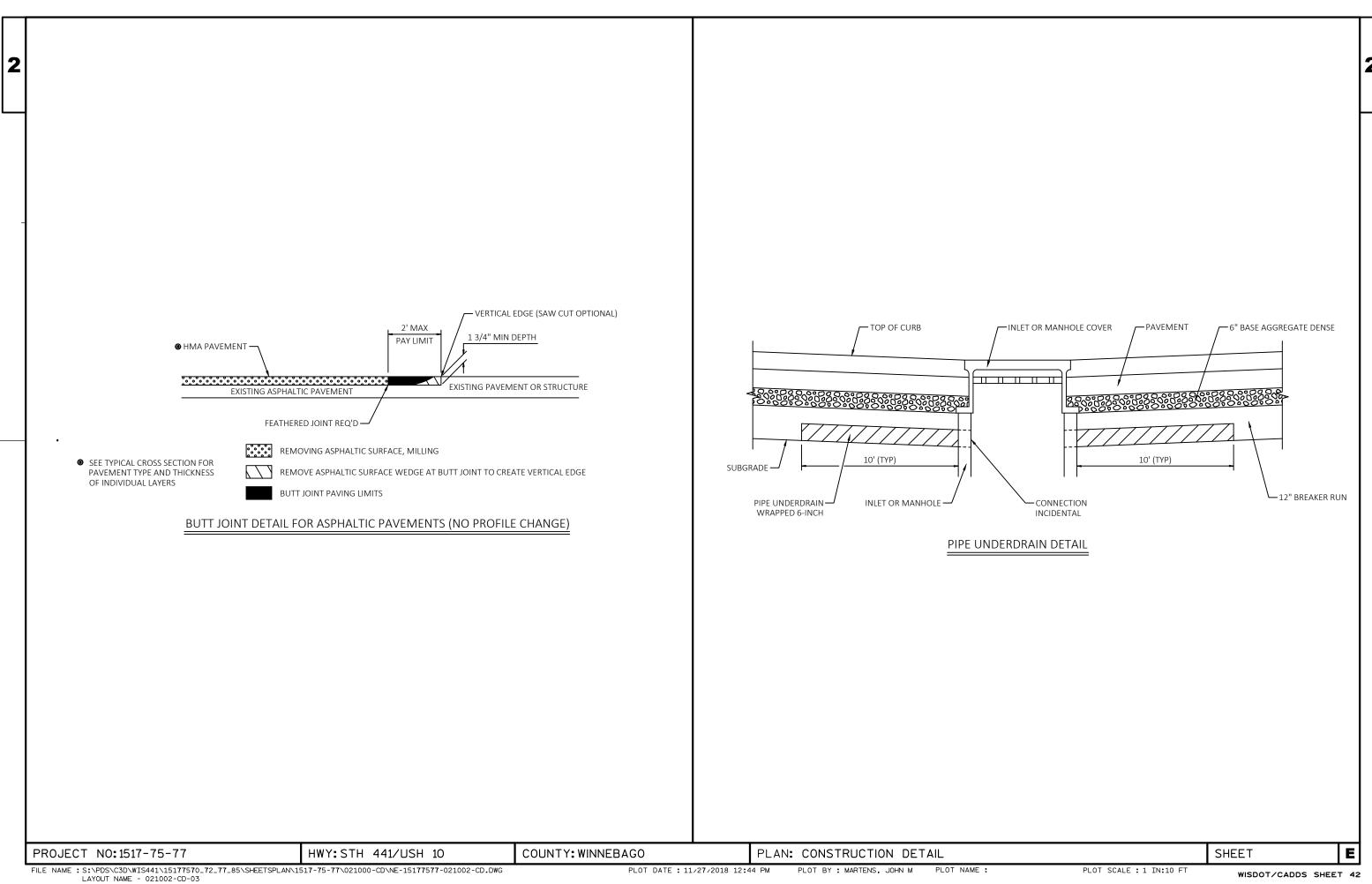


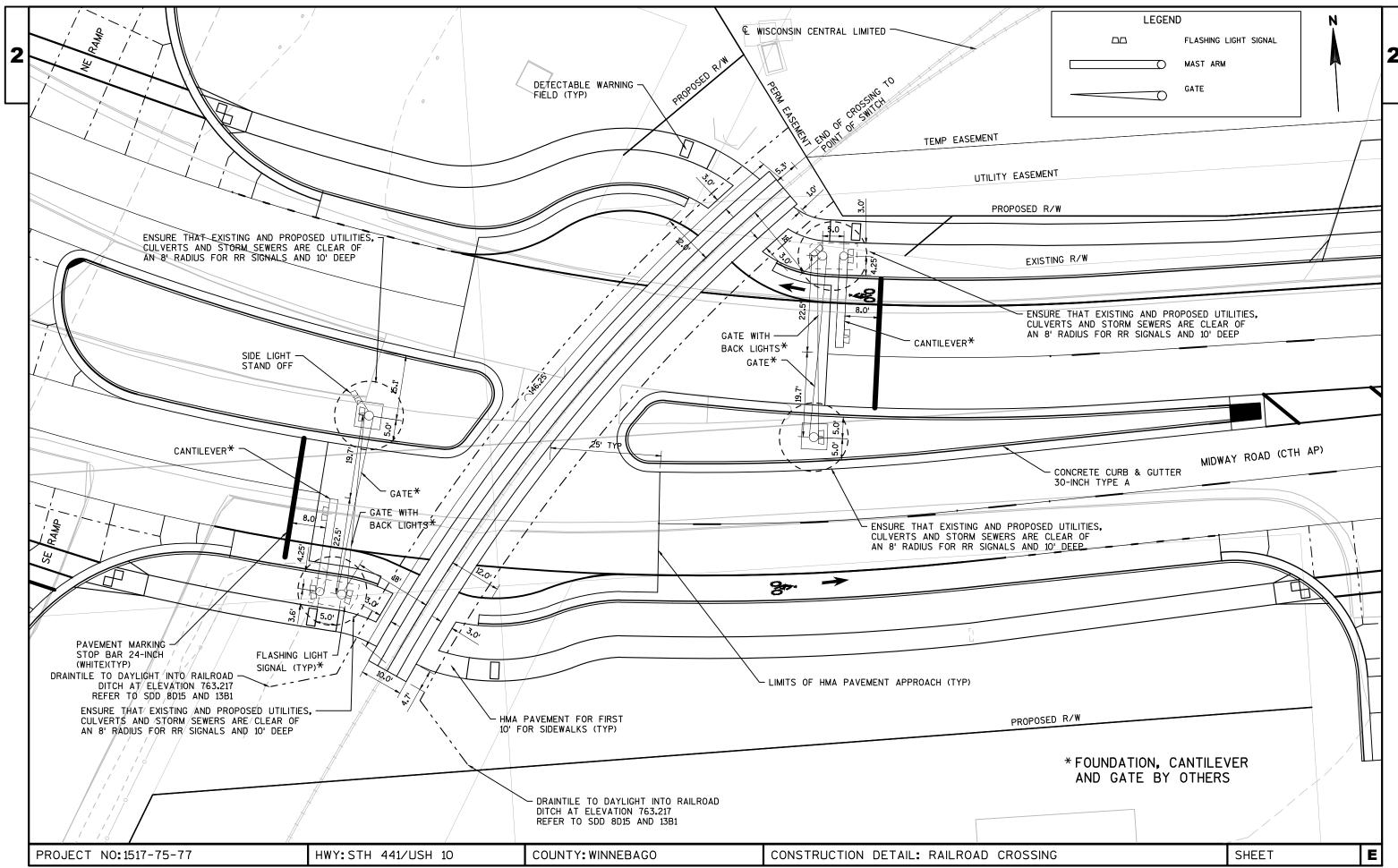
DETAIL OF CURB AND GUTTER AT INLETS

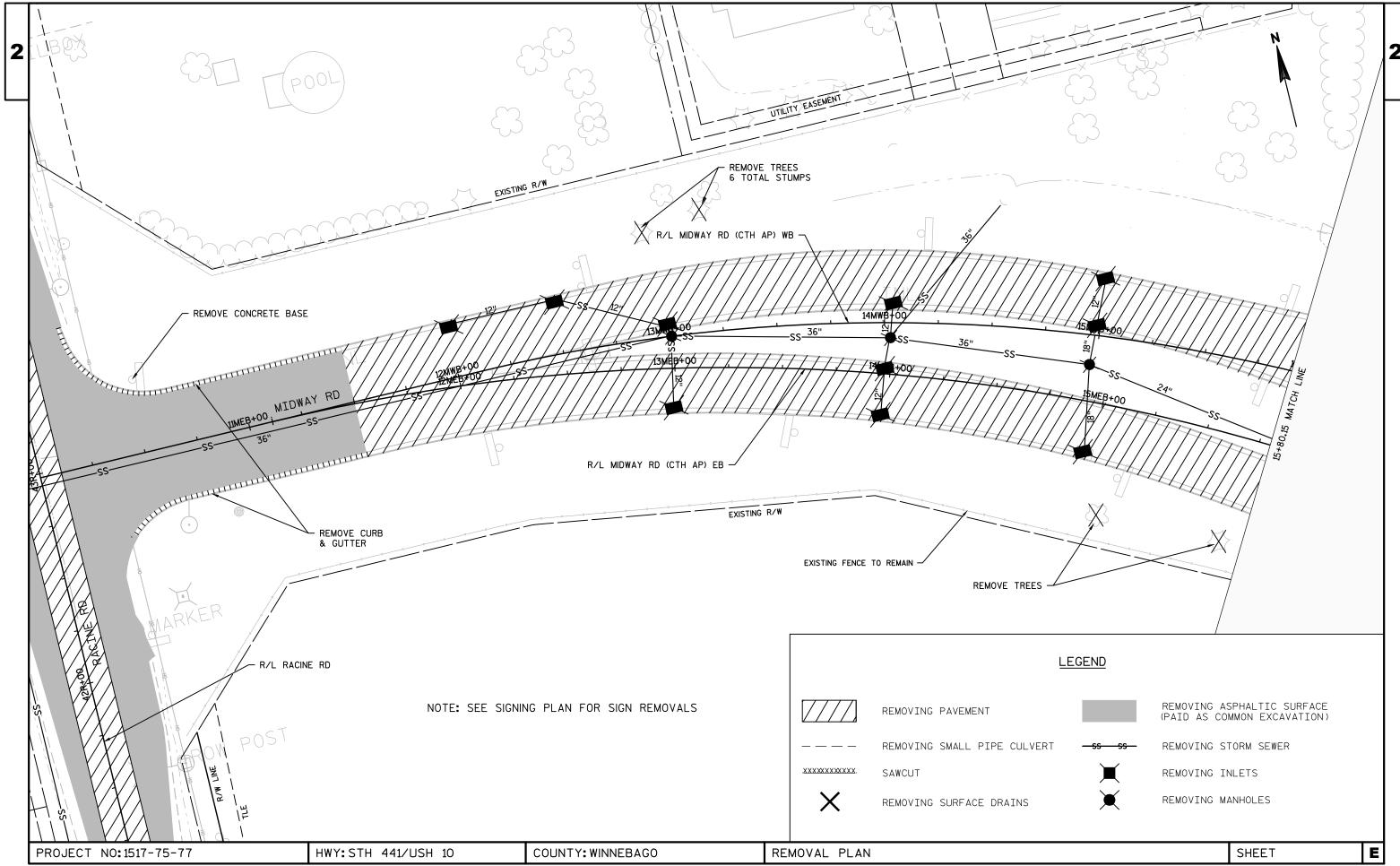


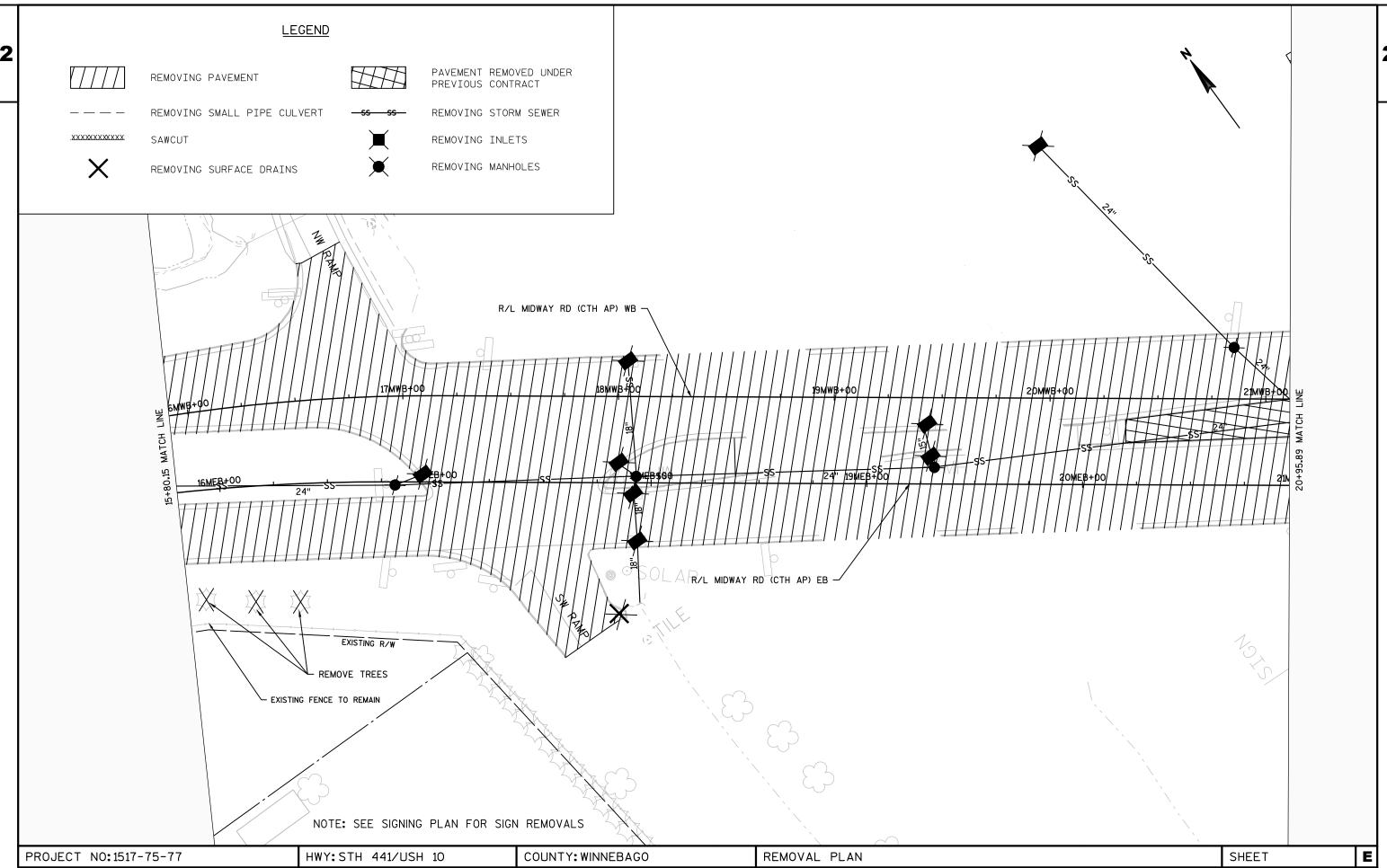
RURAL DRIVEWAY DETAIL - ASPHALT

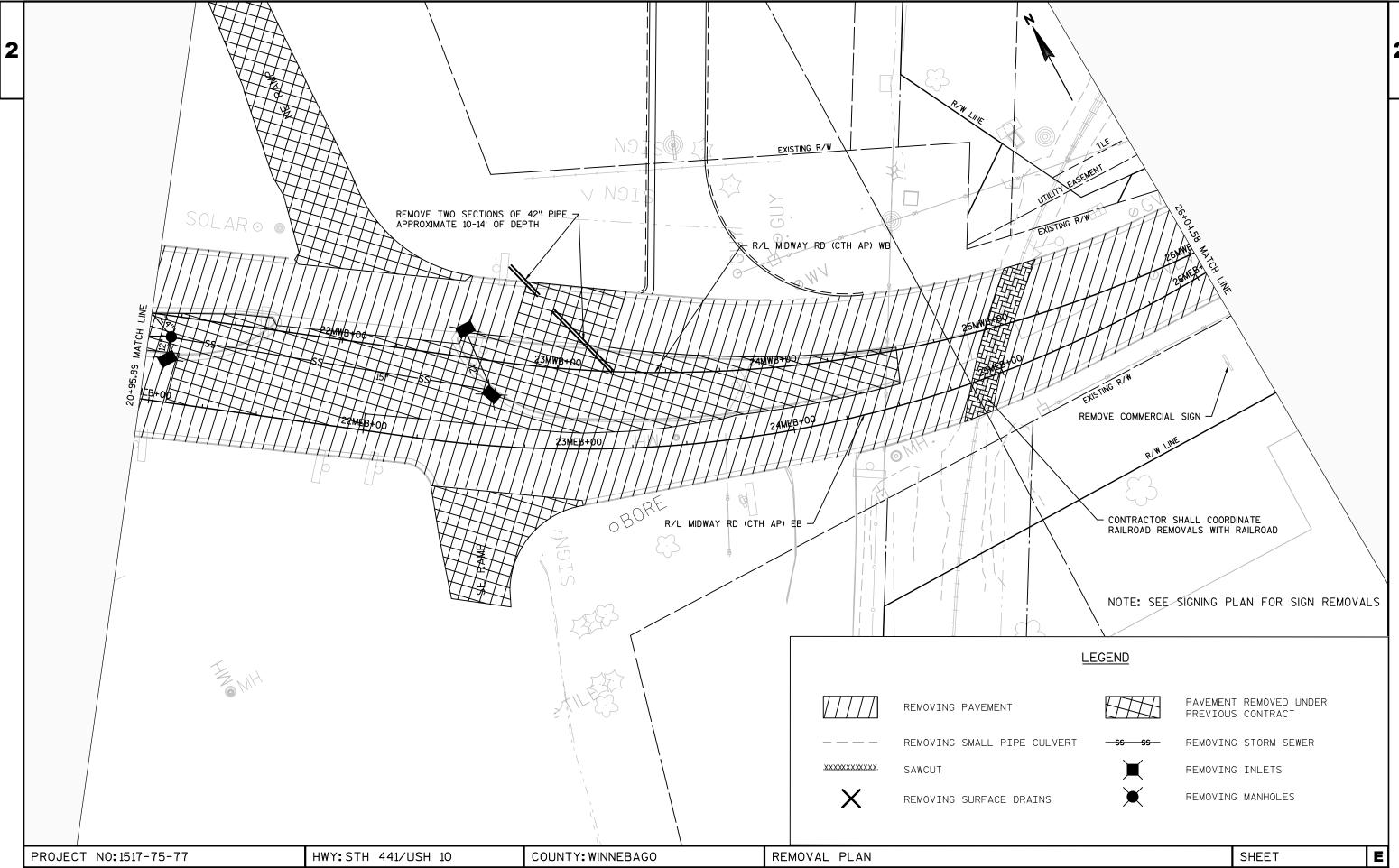
PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO PLAN: CONSTRUCTION DETAIL SHEET E

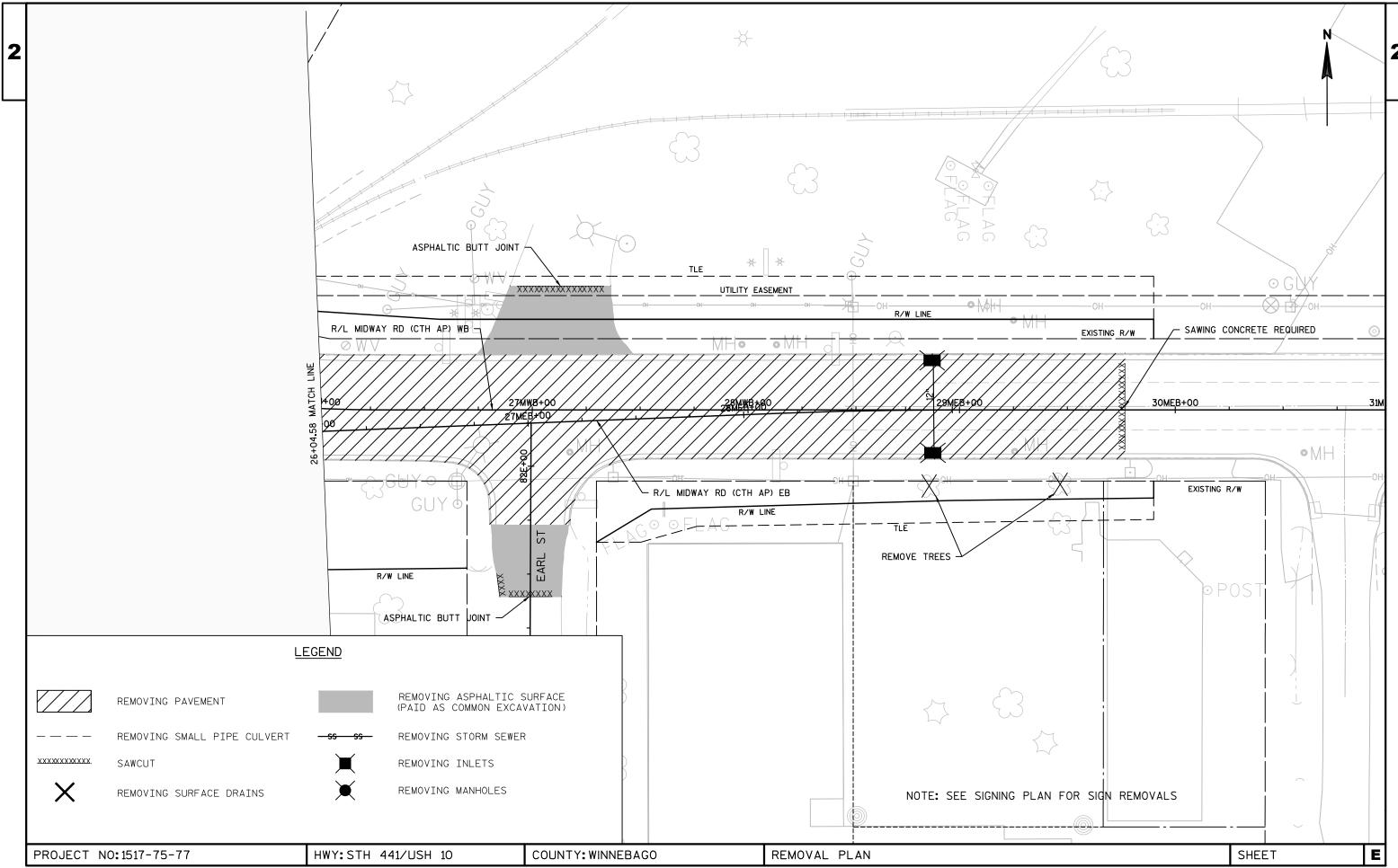


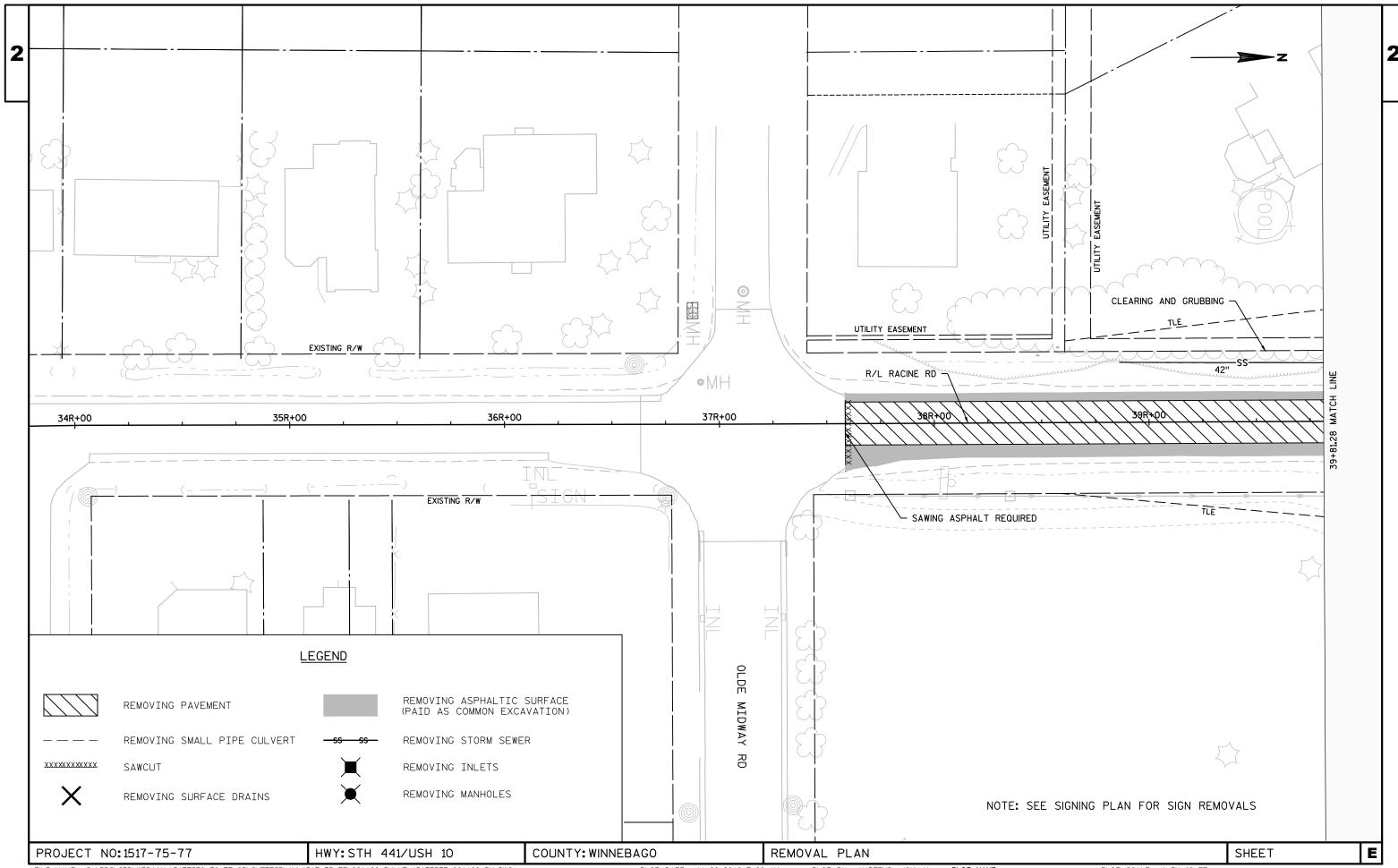


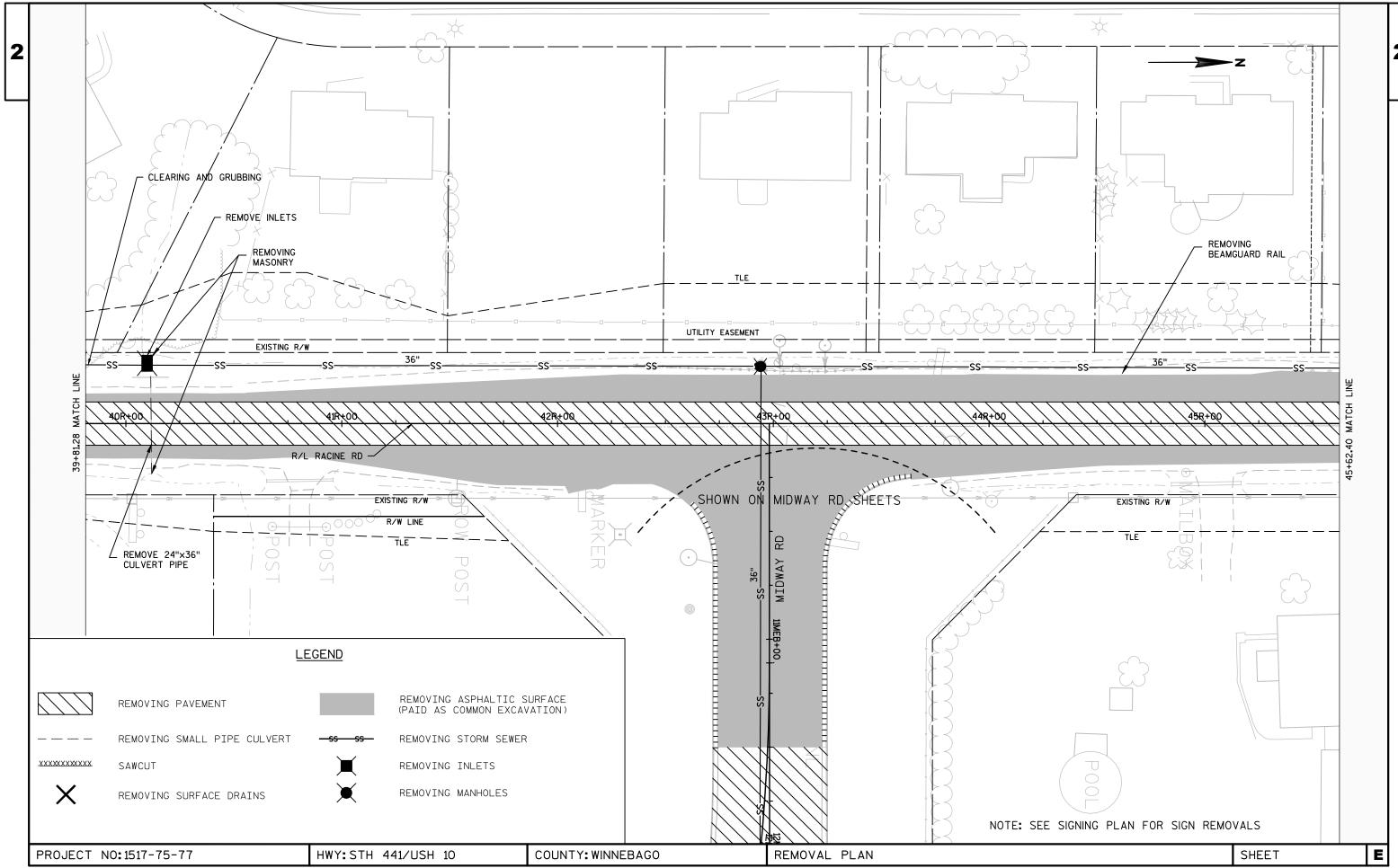


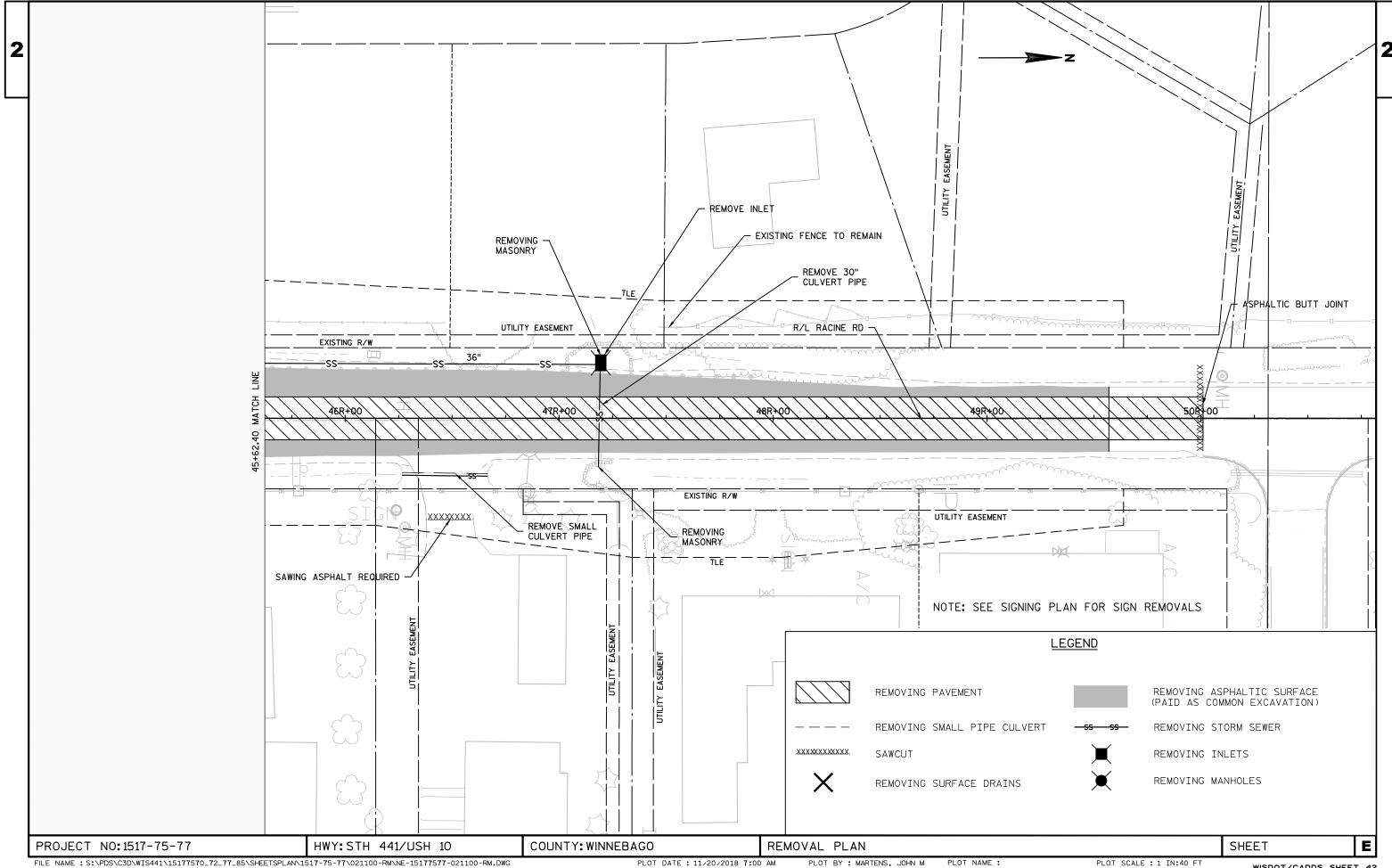


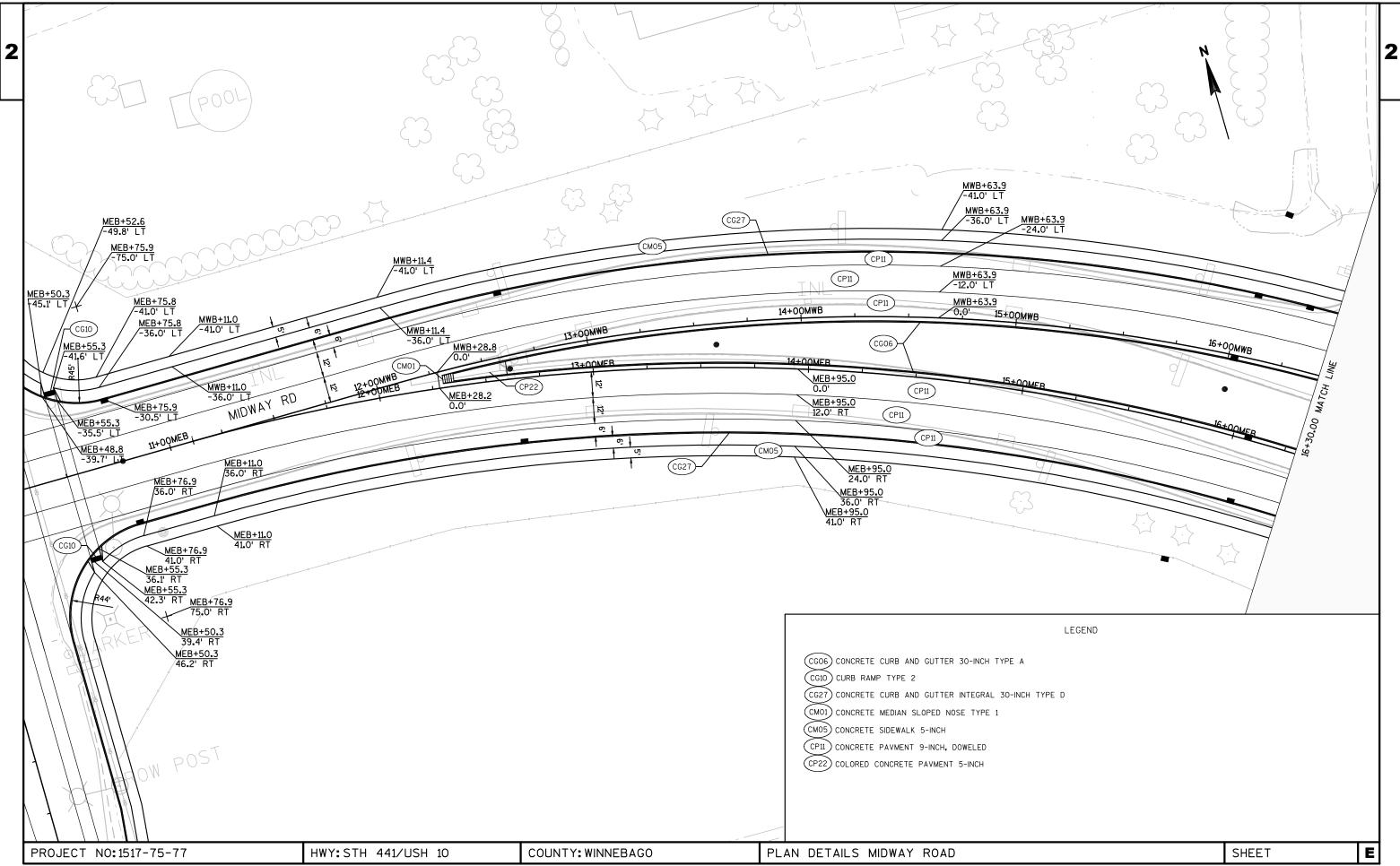


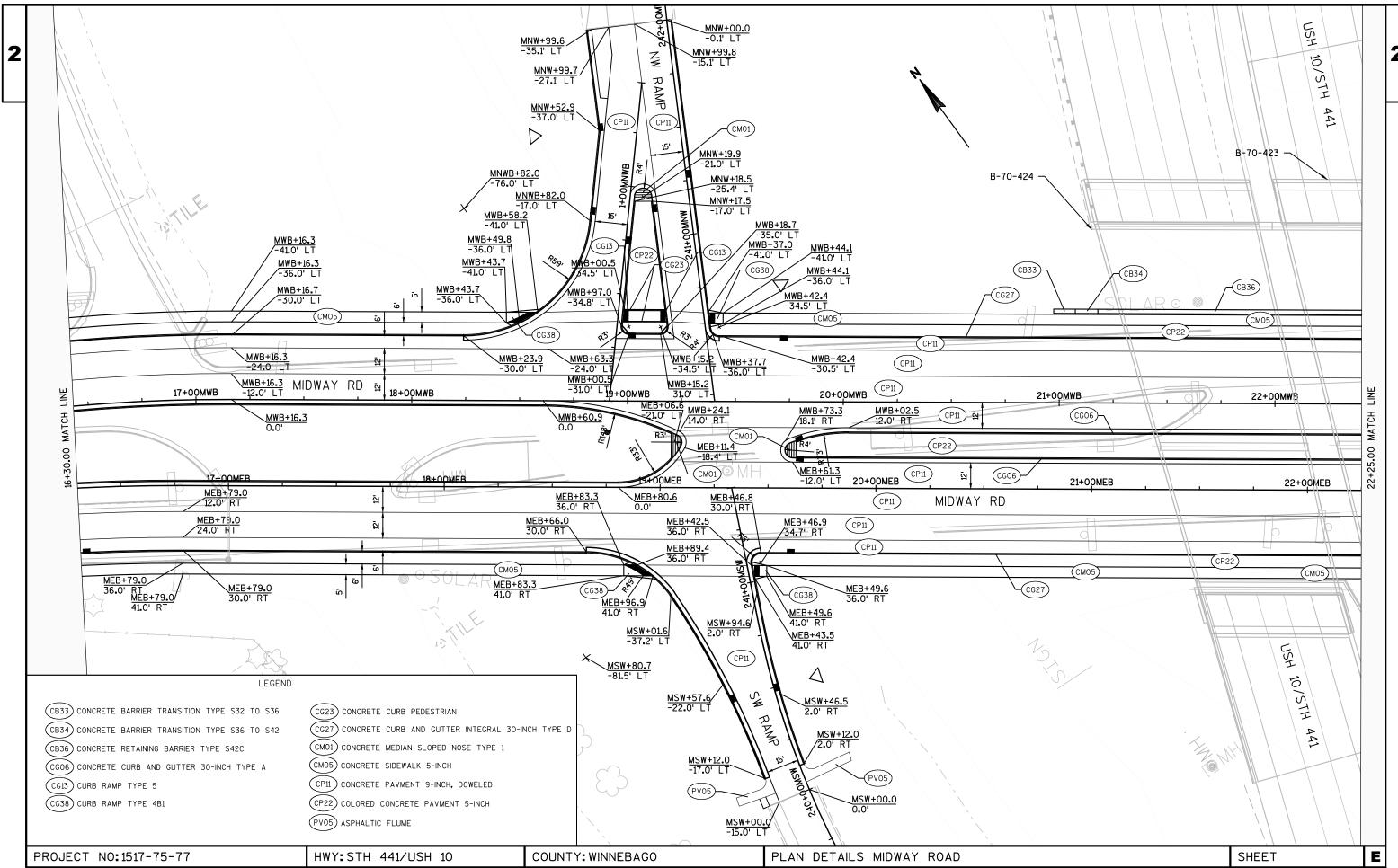


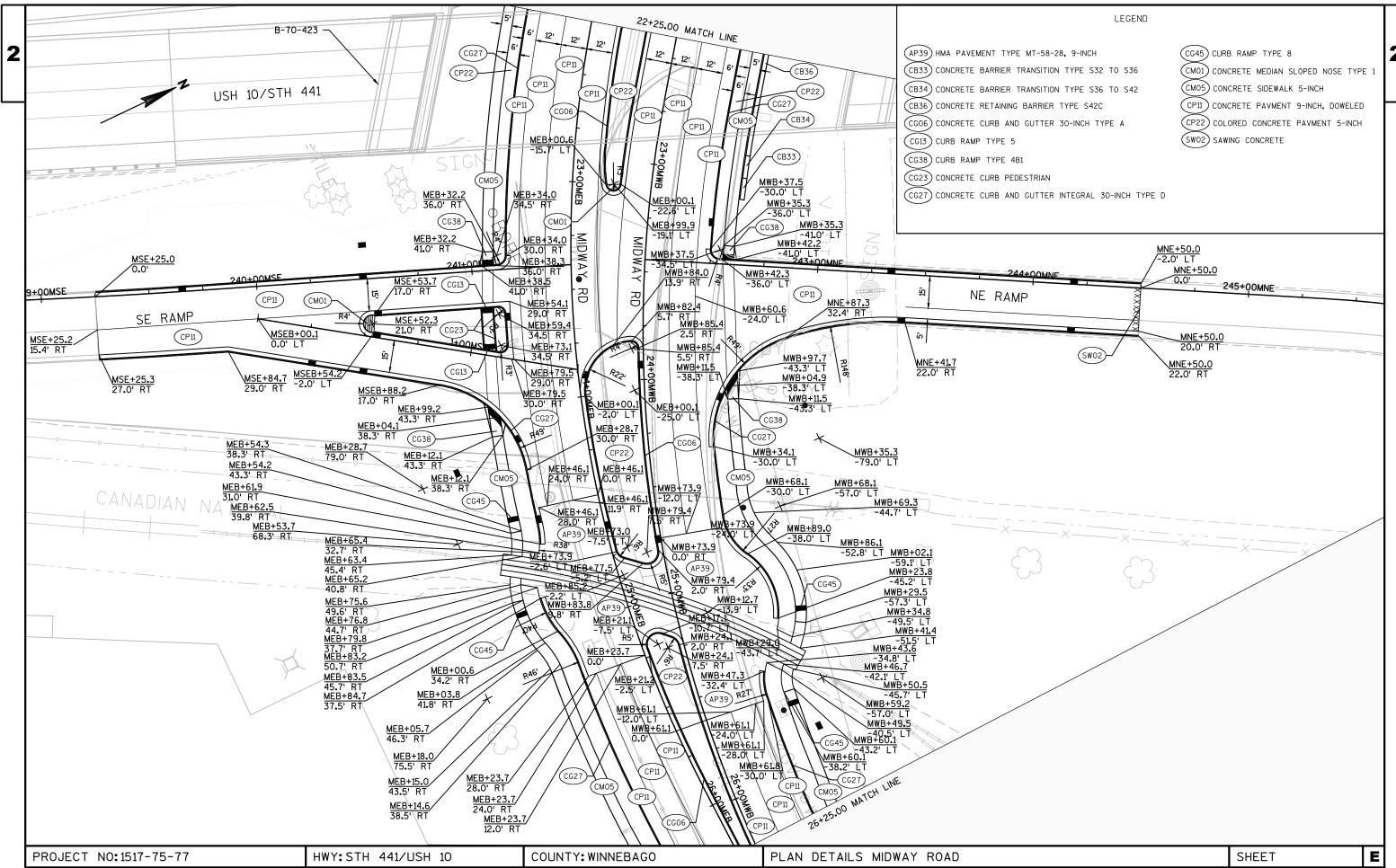


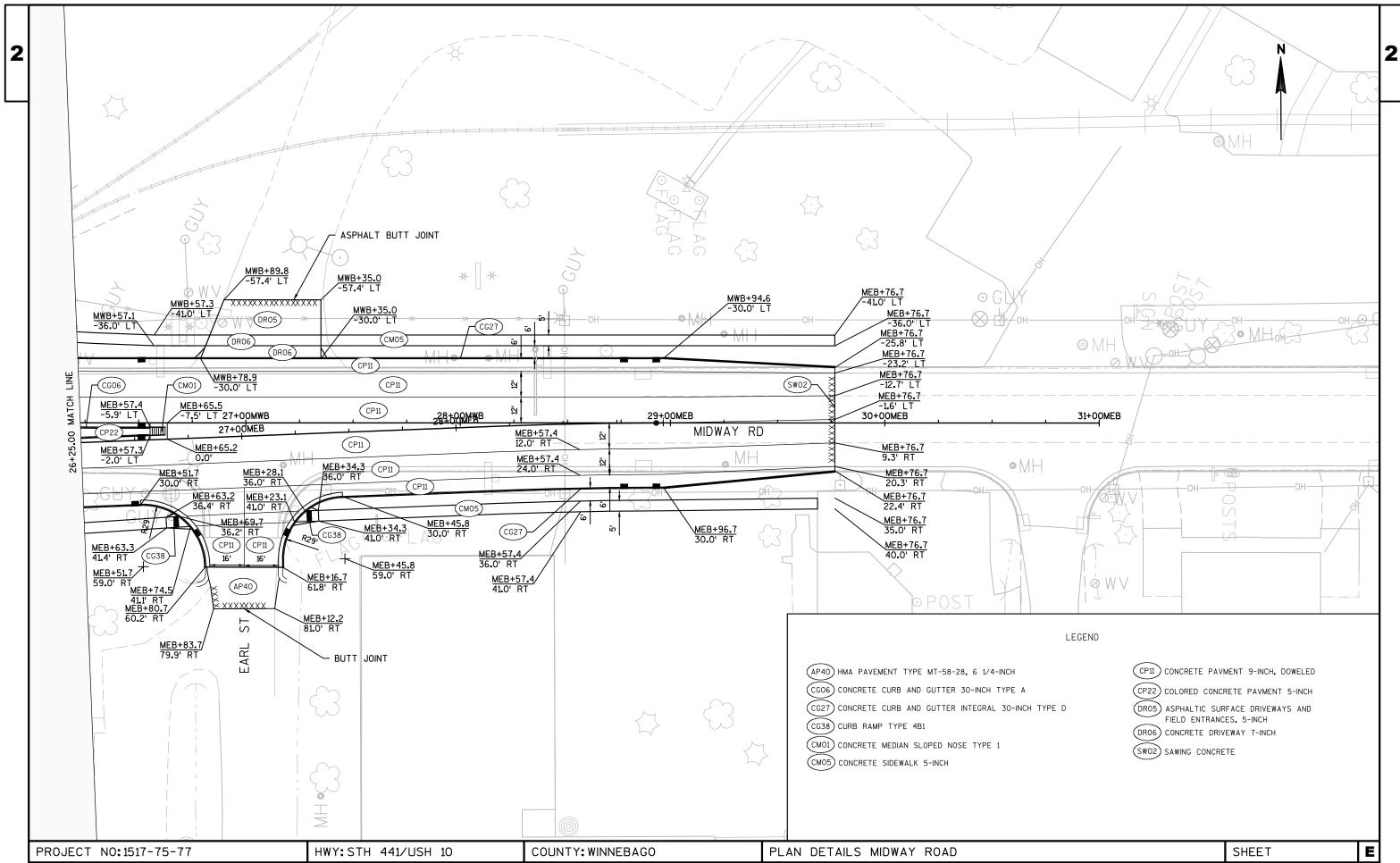


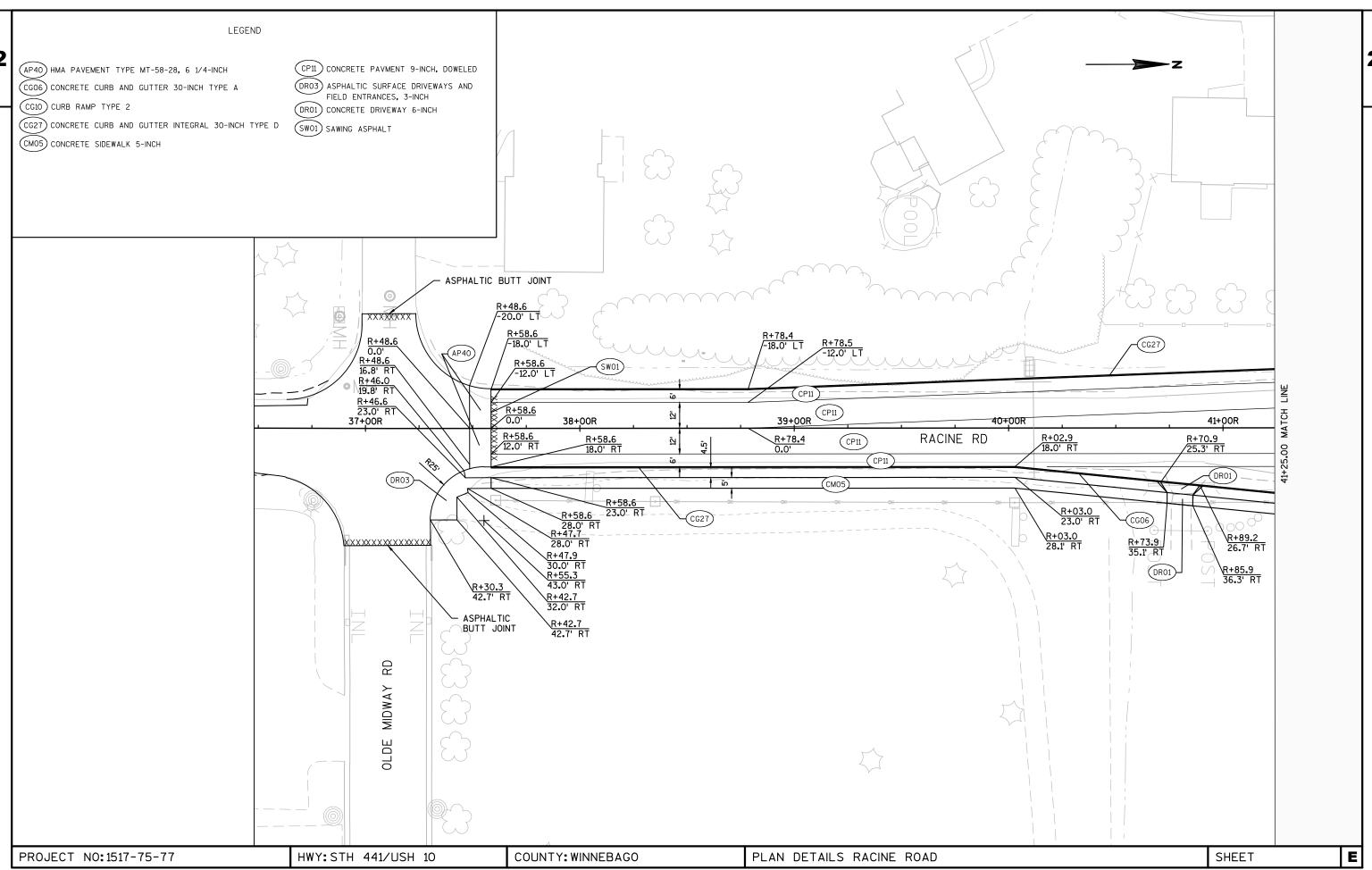


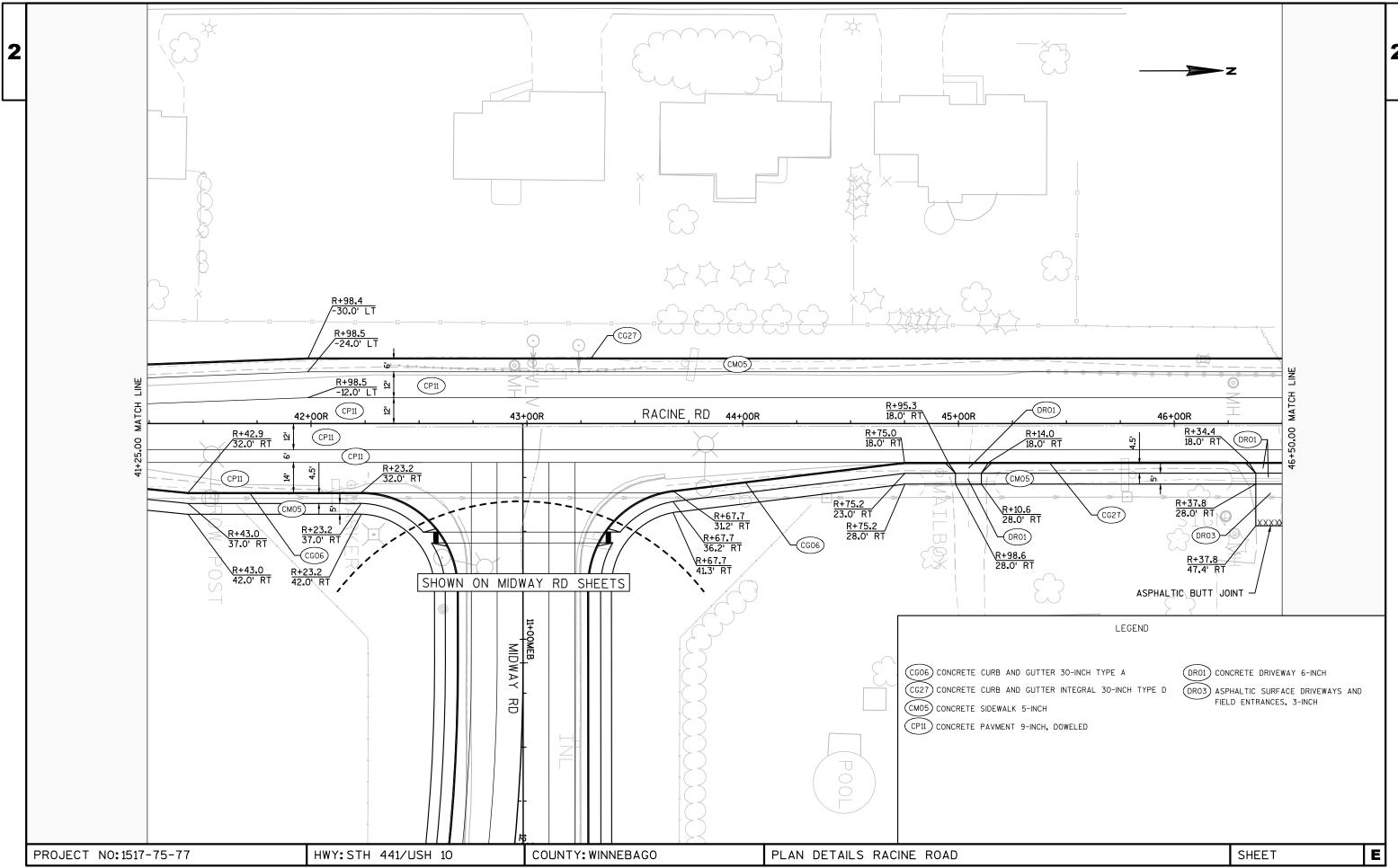


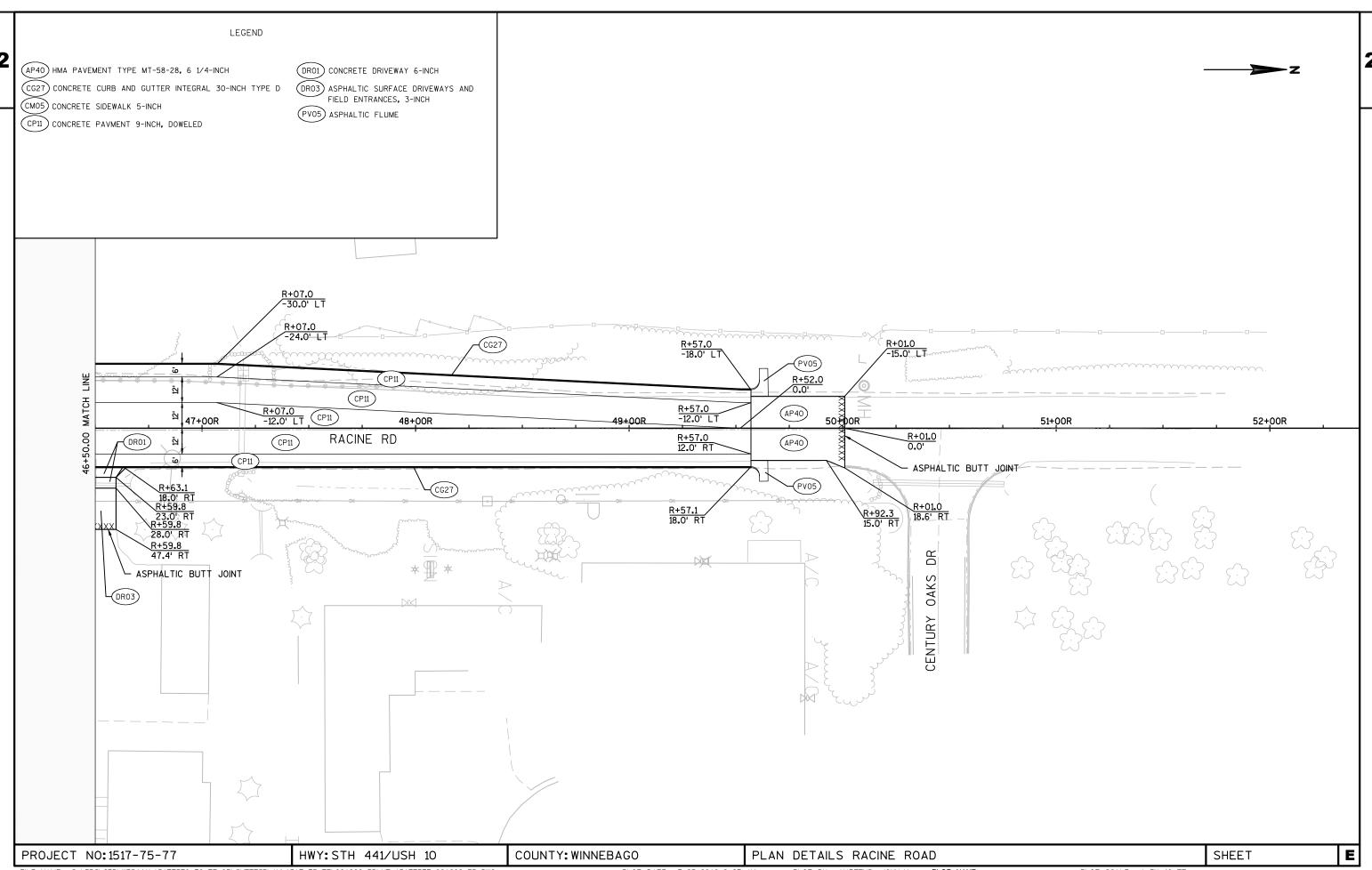




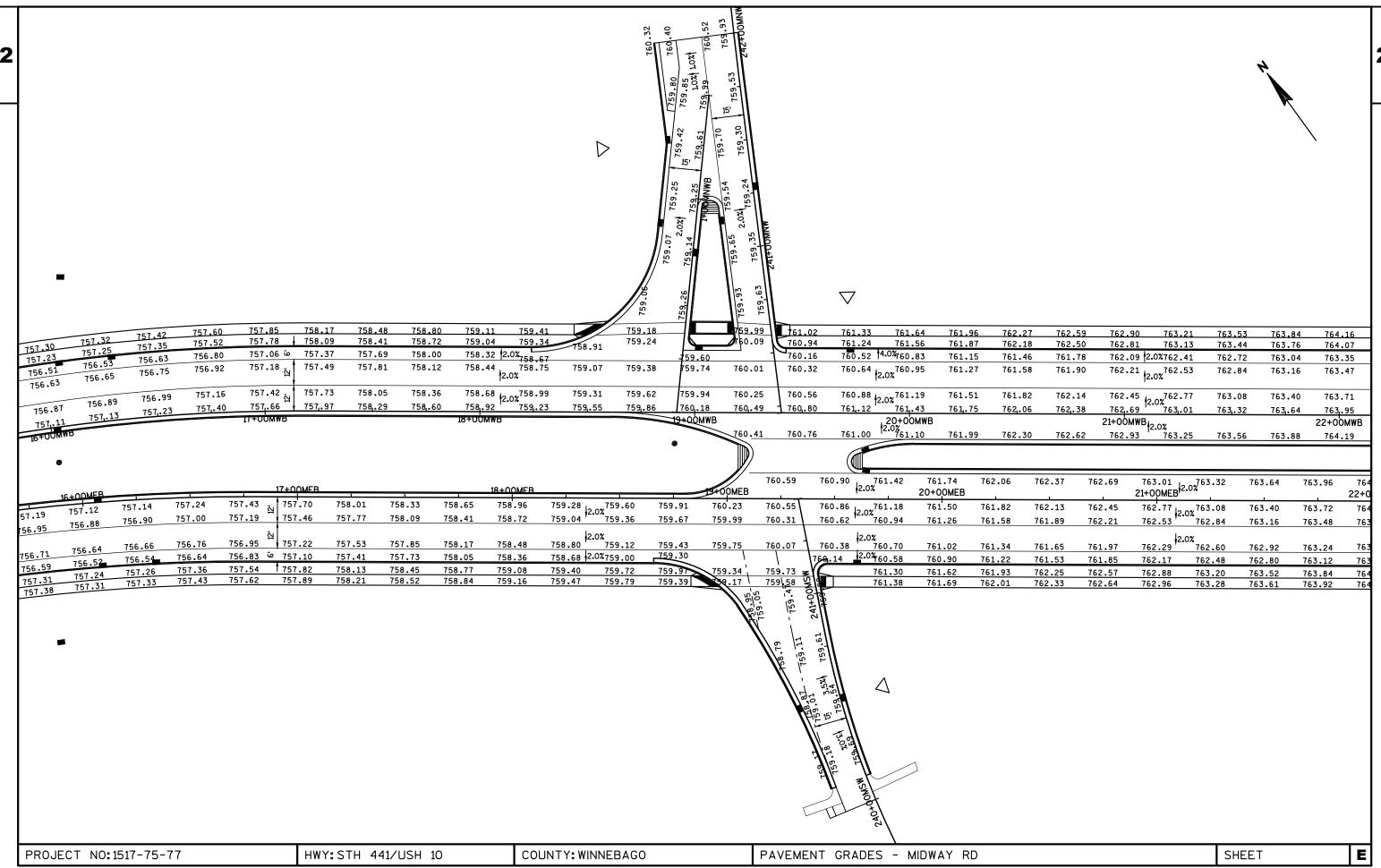


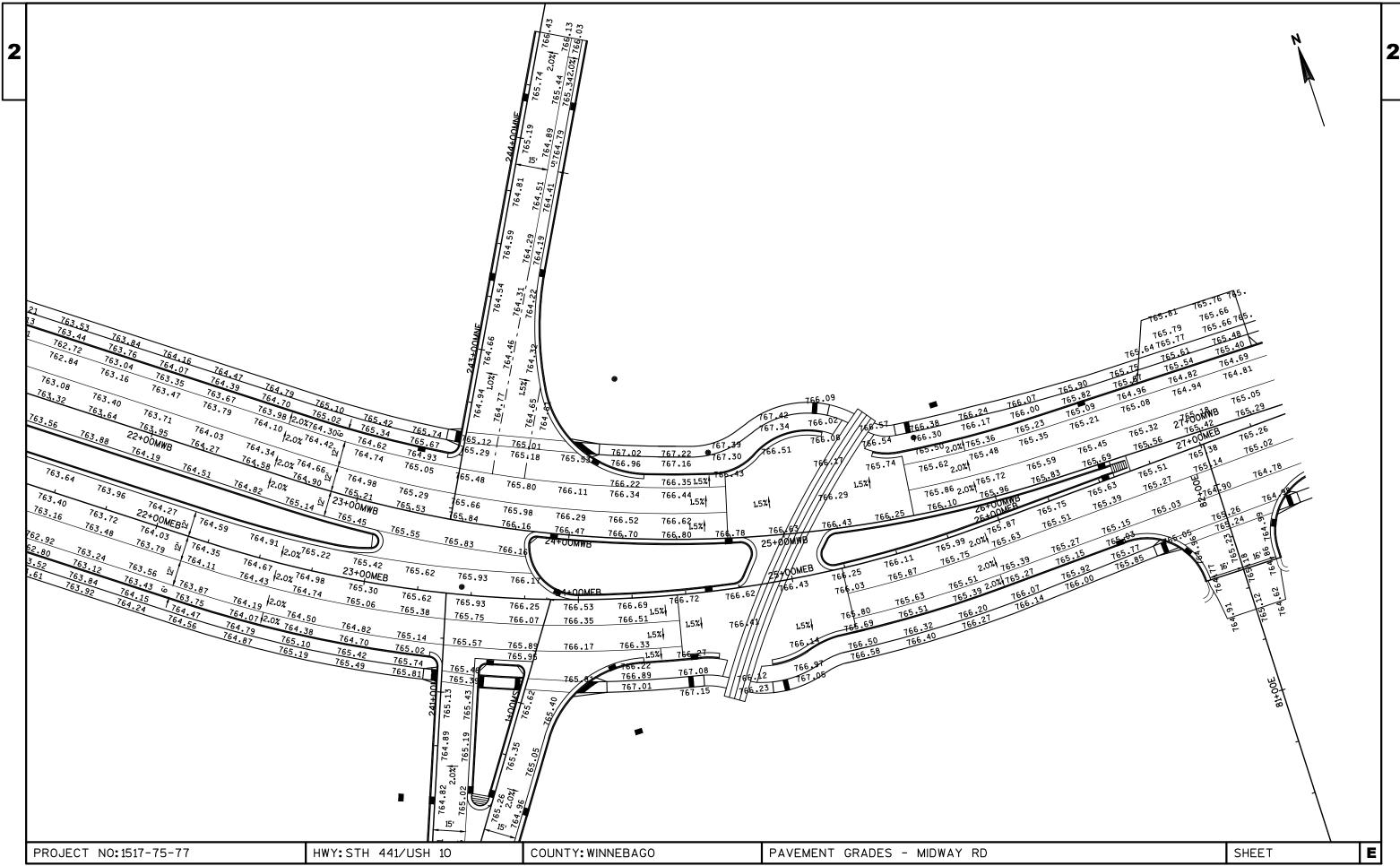


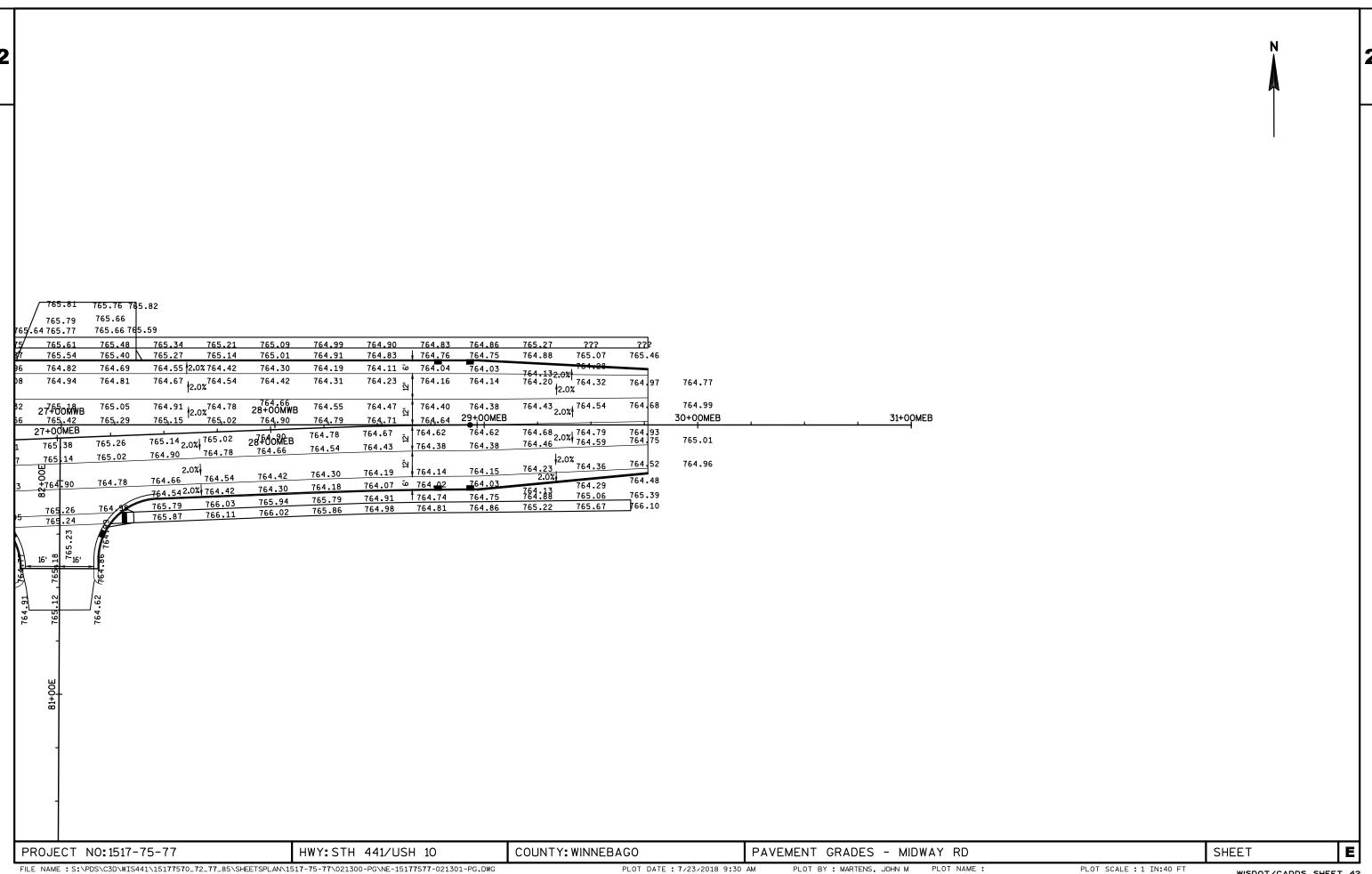


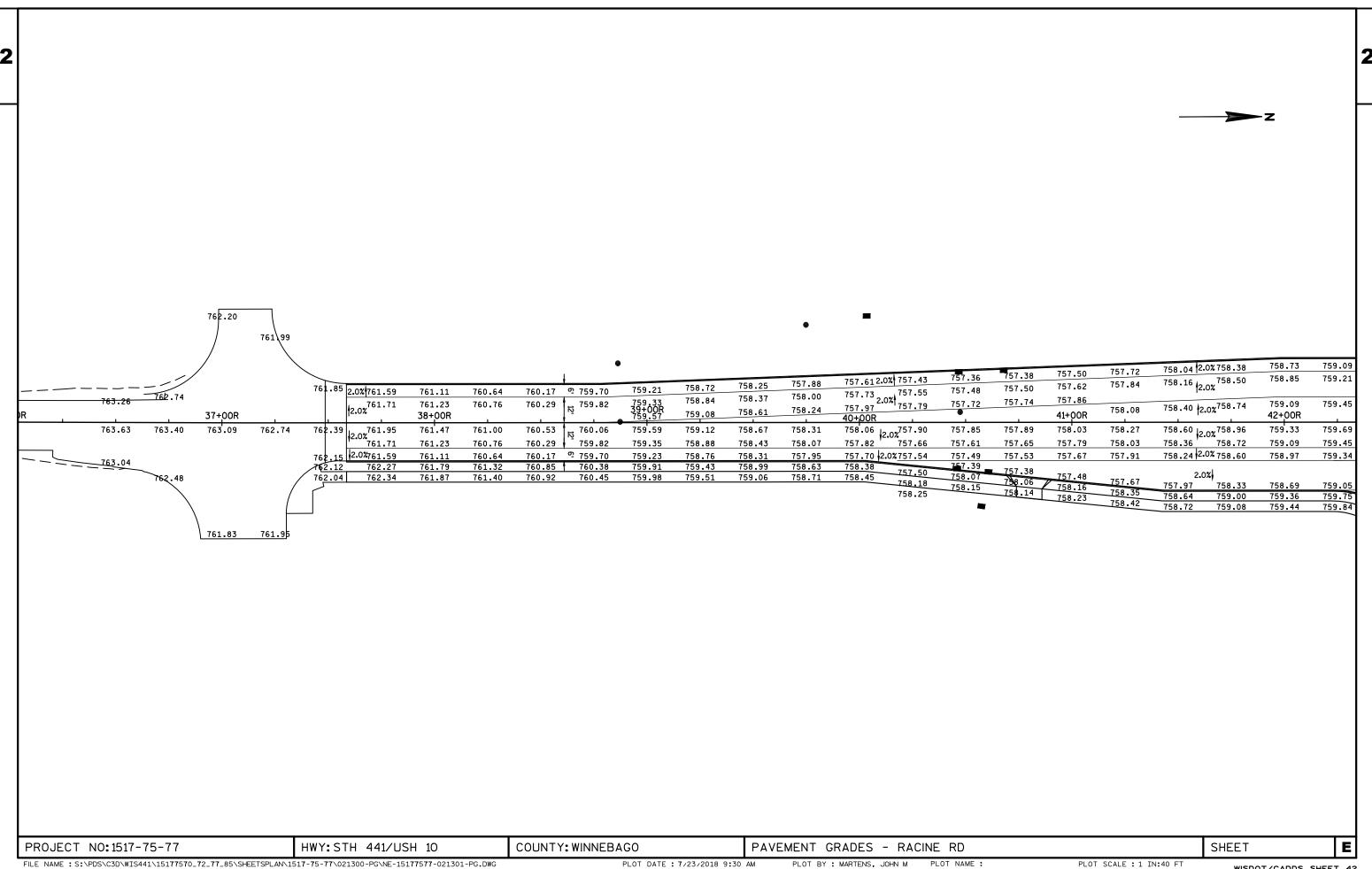


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PRO	JECT NO:1517-75-77	HWY:STH 441/USH 10	COUNTY: WINNEBAGO	PAVEMENT GRADES - MIDWAY	RD	SHEET E







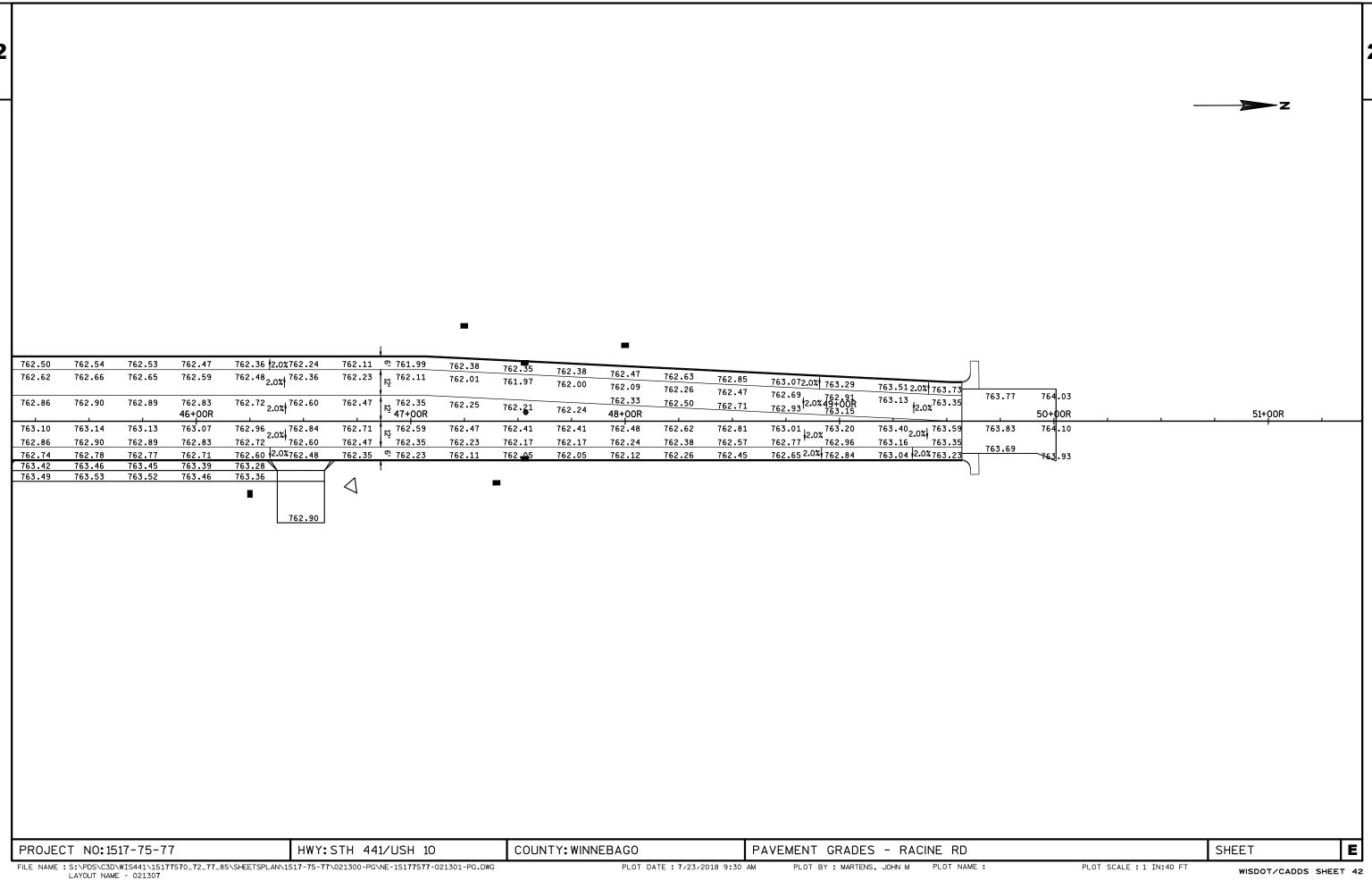


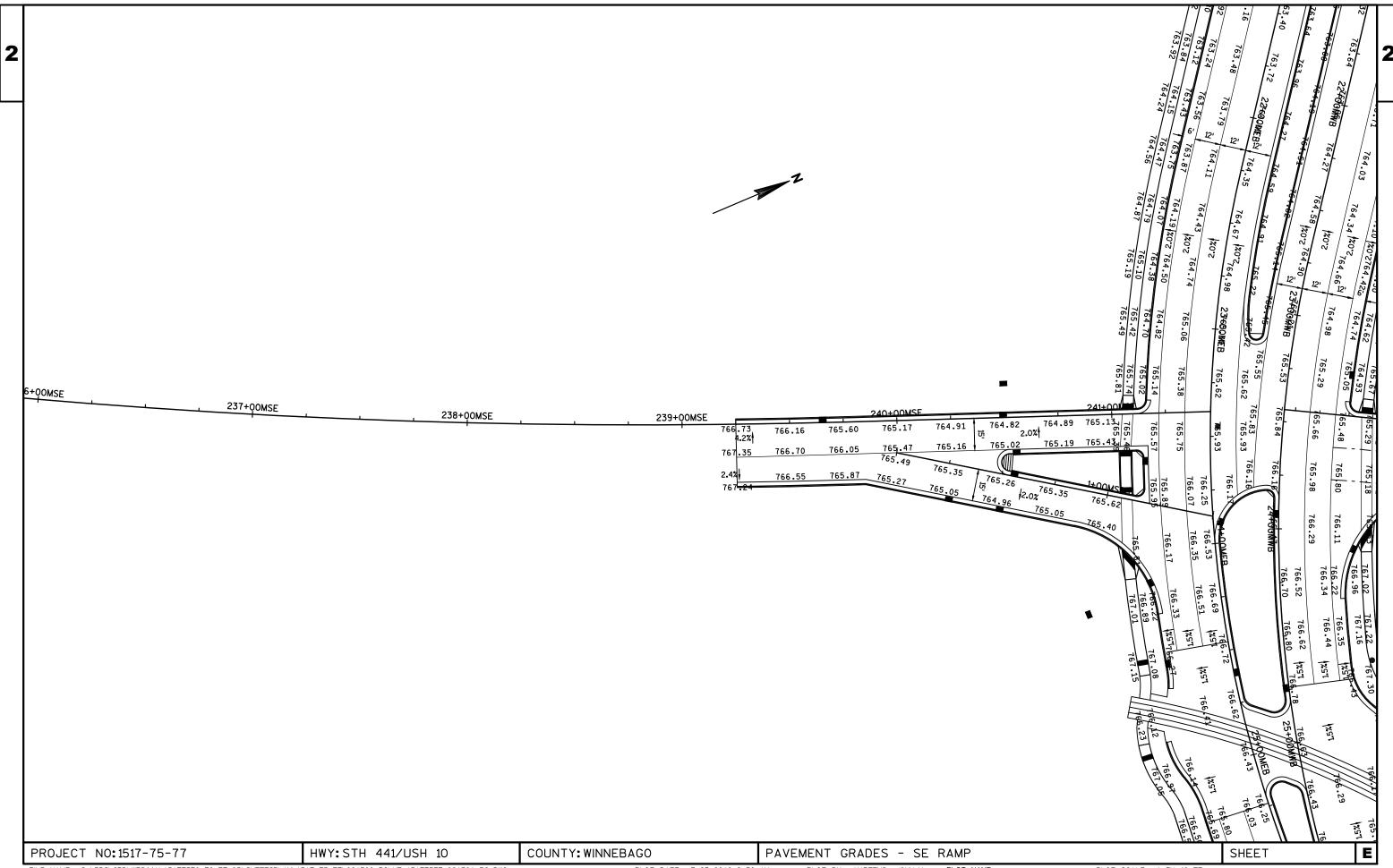
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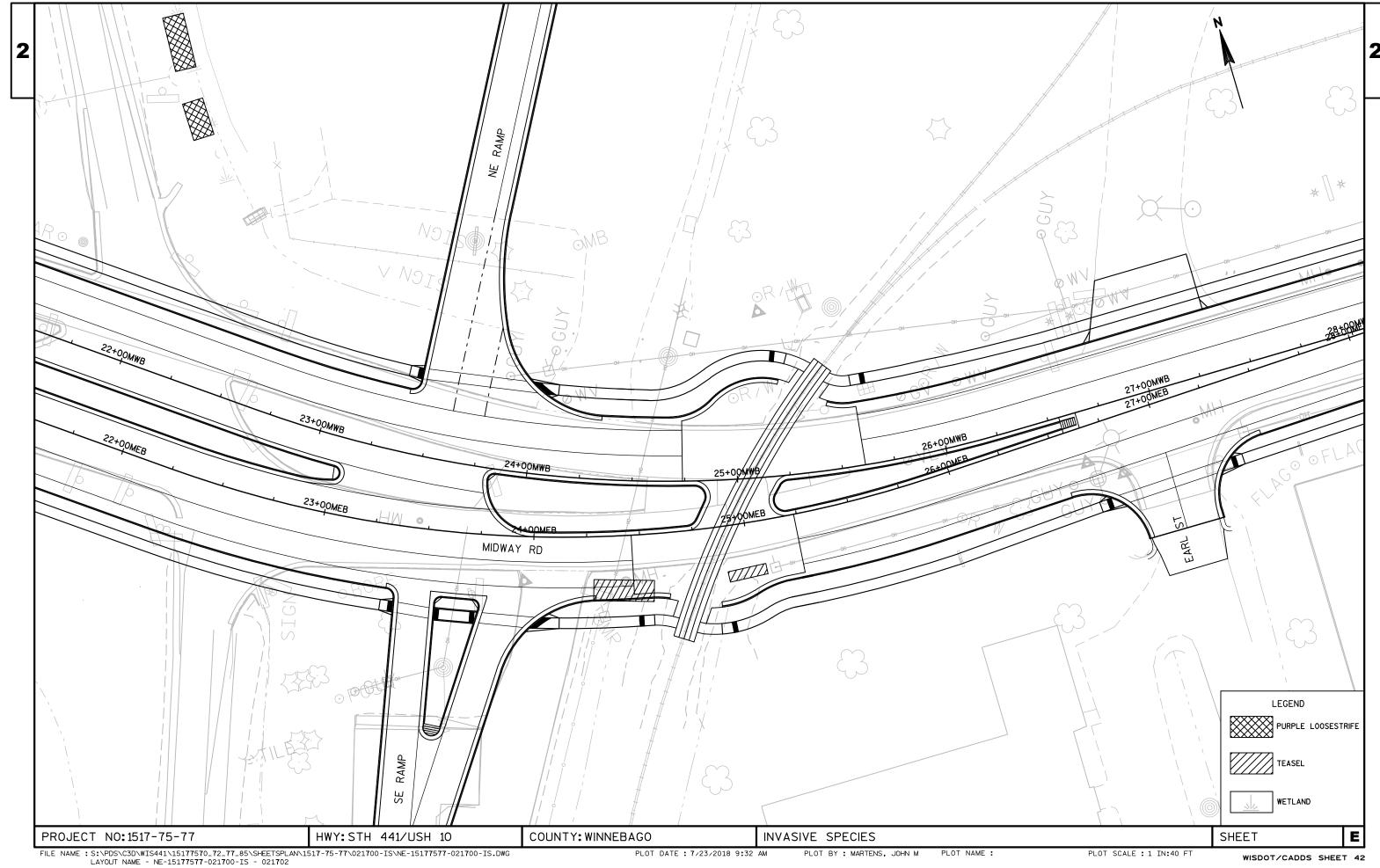
		757.50	757.72	758.04 2.0% 758.38	758.73	759.09	759.45	759.81	760.17	760.53	760.89	761.25	761.58	761.86 2.0% 762.09 © 762.28	762.41	762.50	762.54	762.53	762.47	762.36 2.0%762.24
757.36	757.38	757.50		758.16 2.0% 758.50	758.85	759.21	759.57	759.93	760.29	760.65	761.01	761.37	761.70	761.98 2.0% 762.21 5 762.40	762.53	762.62	762.66	762.65	762.59	762.48 20% 762.36
757.48	757.50	757.62	757.84	2.0%										2.0%						2.0%
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•		41+00R	758.08	158.40 12.0%	42+00R				43+00R	•			44+00R	2.0%	45+00R		•	•	46+00R	2.0%
757.85	757.89	758.03	758.27	758.60 12.07758.96	759.33	759.69	760.05	760.41	76 0. 77	761.13	761.49	761.85	762.18	762.46 762.69 1 762.88	763.01	763.10	763.14	763.13	763.07	762.96
757.61	757.65	757.79	758.03	758.36 758.72	759.09	759.45	759.94	760.34	760.69	760.82	761.14	761.61	761.94	762.22 762.45 762.64	762.77	762.86	762.90	762.89	762.83	762.72 2.0% 762.60
757.49	757.53	757.67	757.91	758.24 2.0% 758.60	758.97	759.34	759.89	760.31	760.65	760.67	760.97	761.49	761.82	762.10 ^{2.0%} 762.33 [©] 762.52	762.65	762.74	762.78	762.77	762.71	762.60 2.0%762.48
757.39 759.07	757.38													761.98 2.0% 763.20	783.33	763.42	763.46	763.45	763.39	763.28
758.07	738.06	757.48	757.67	2.0%					t	_]		761.24	761.63	762.66 762.27 763.26	763.41	763.49	763.53	763.52	763.46	763.36
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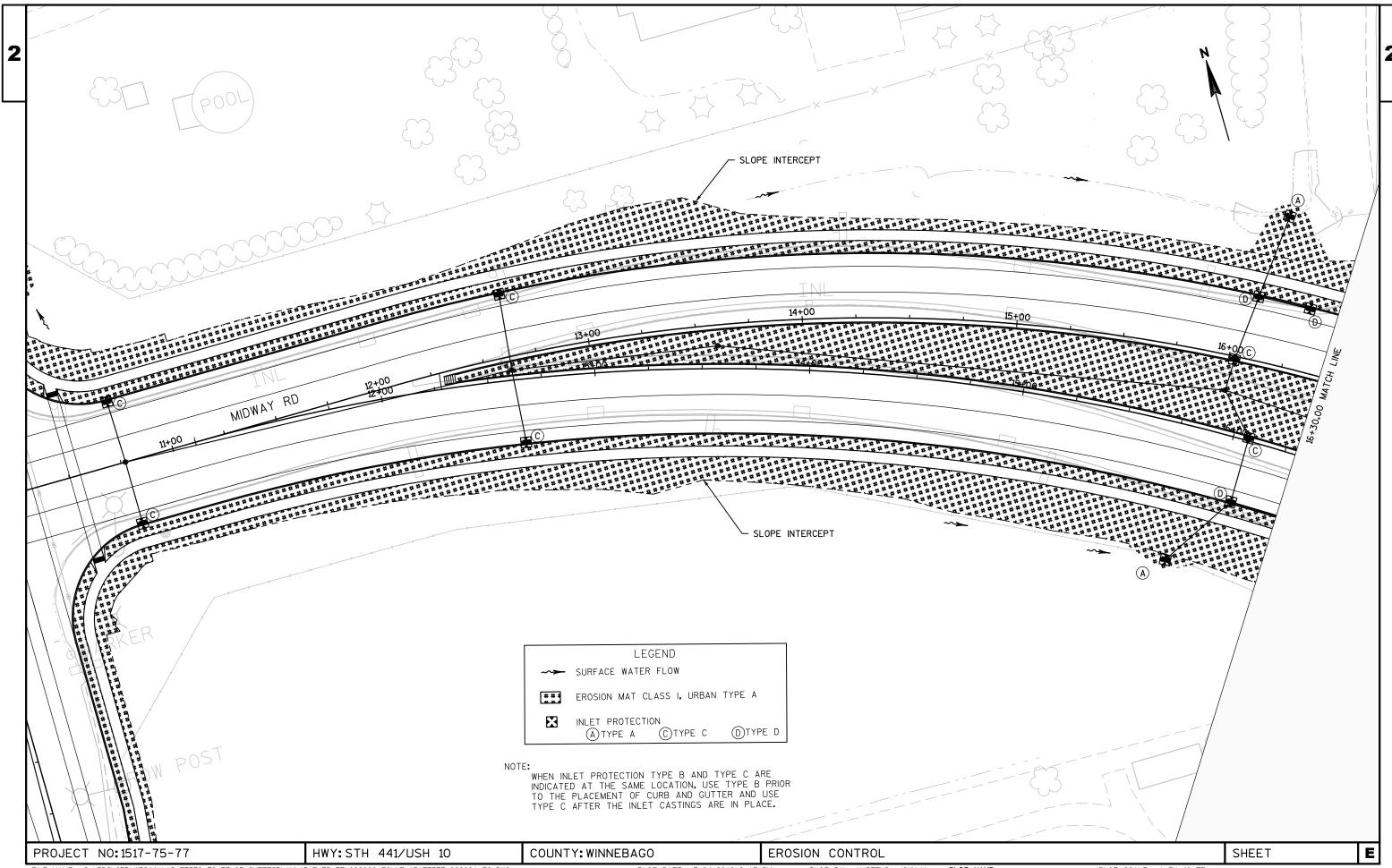
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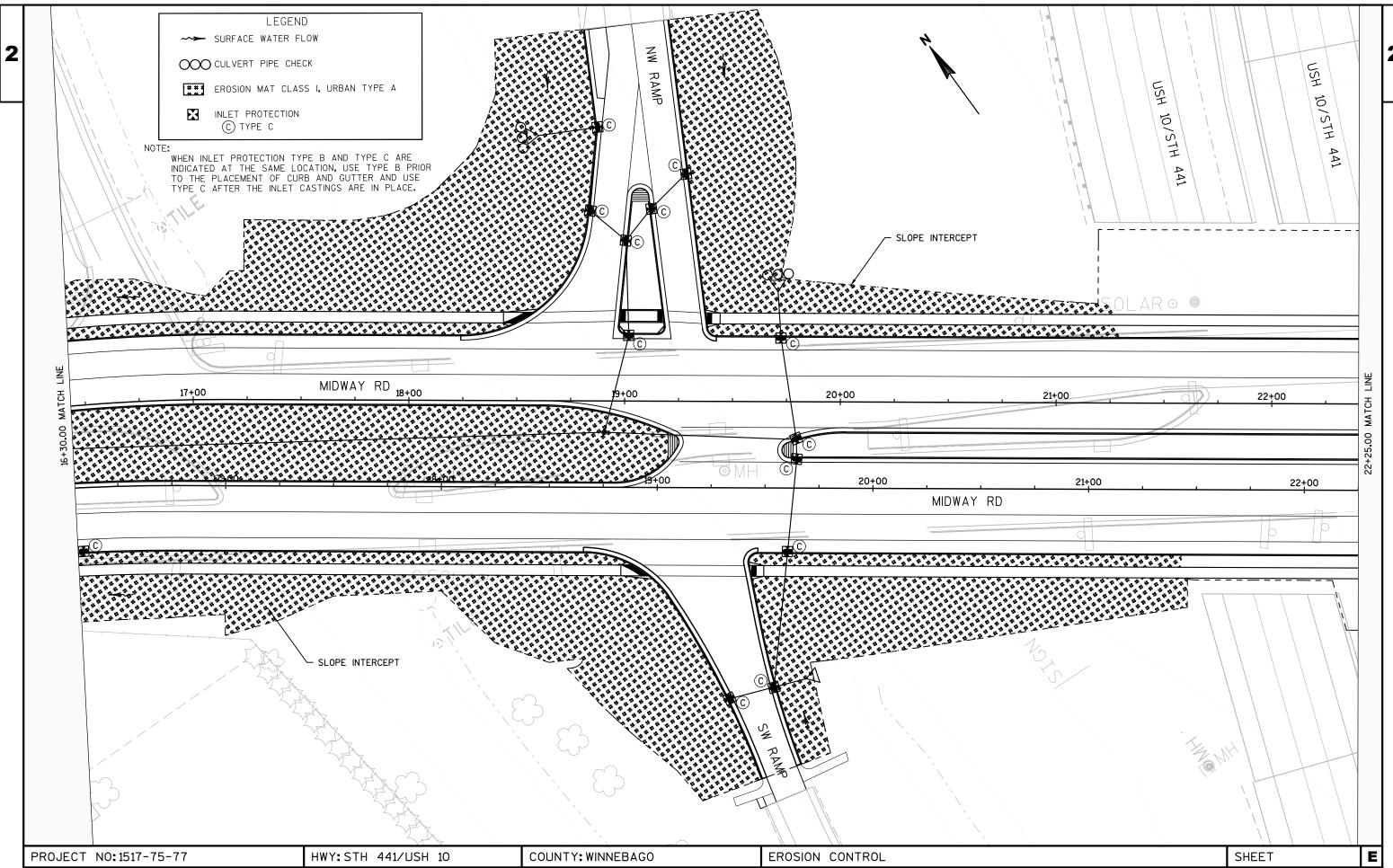
PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO PAVEMENT GRADES - RACINE RD SHEET E

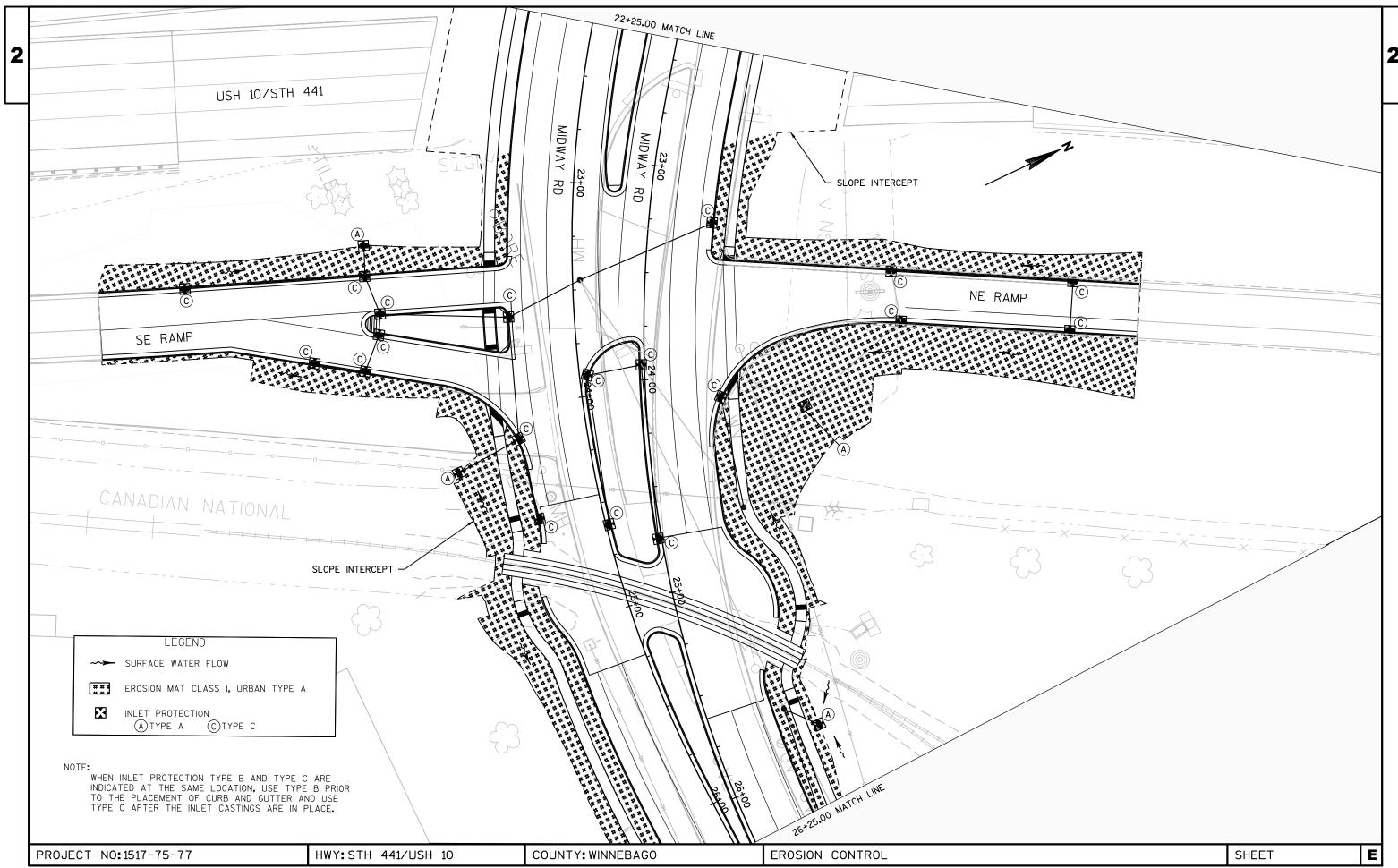


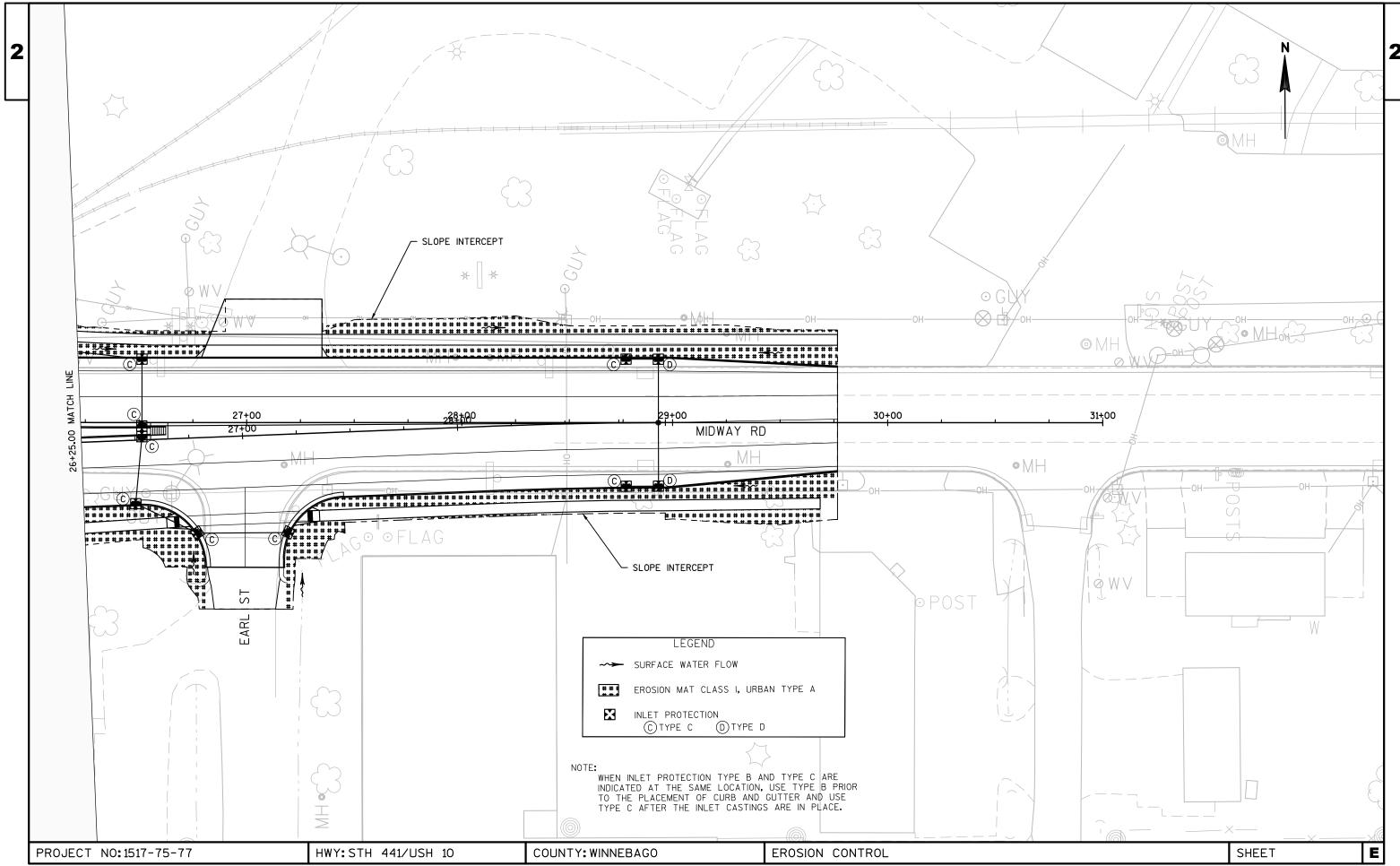


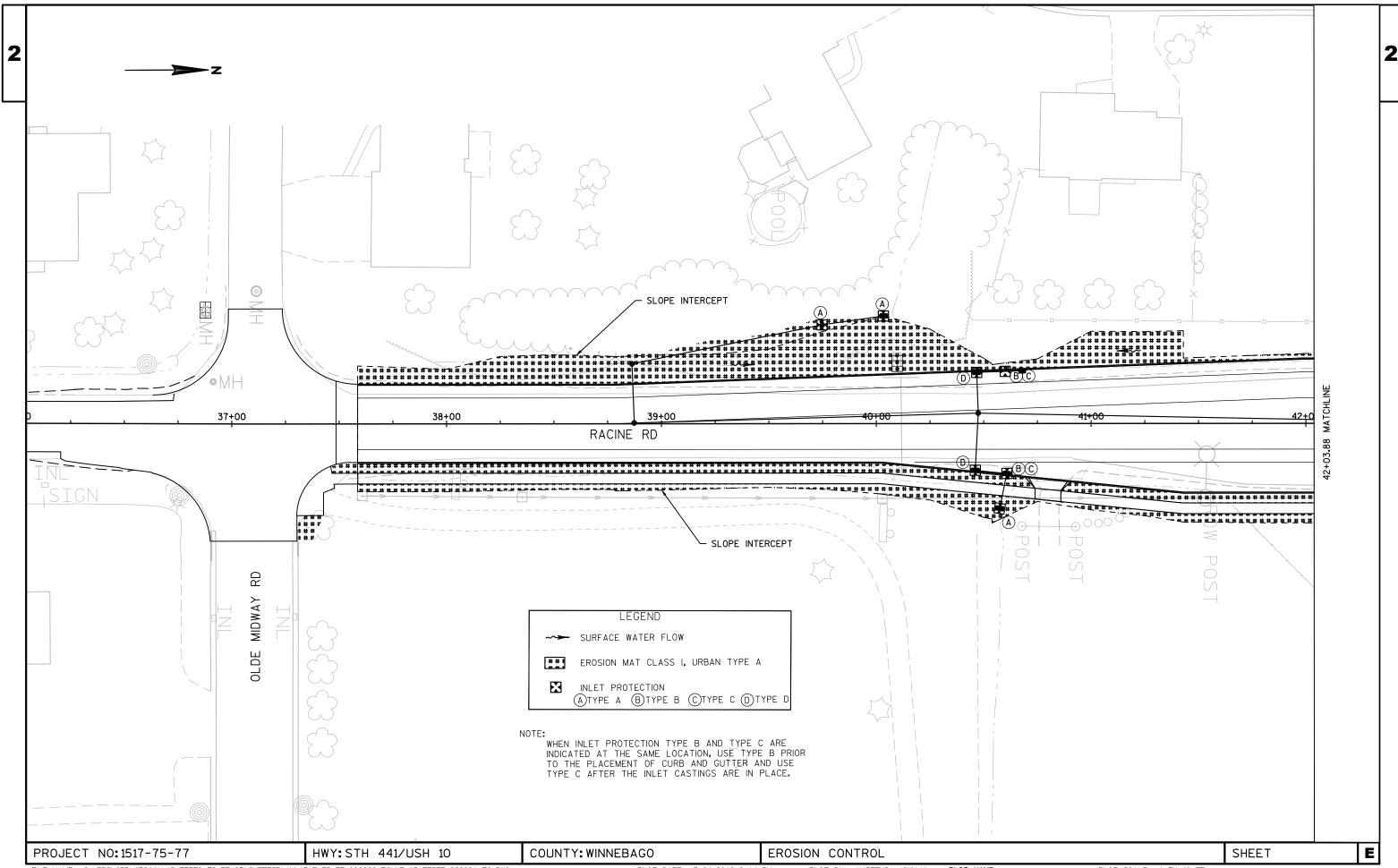


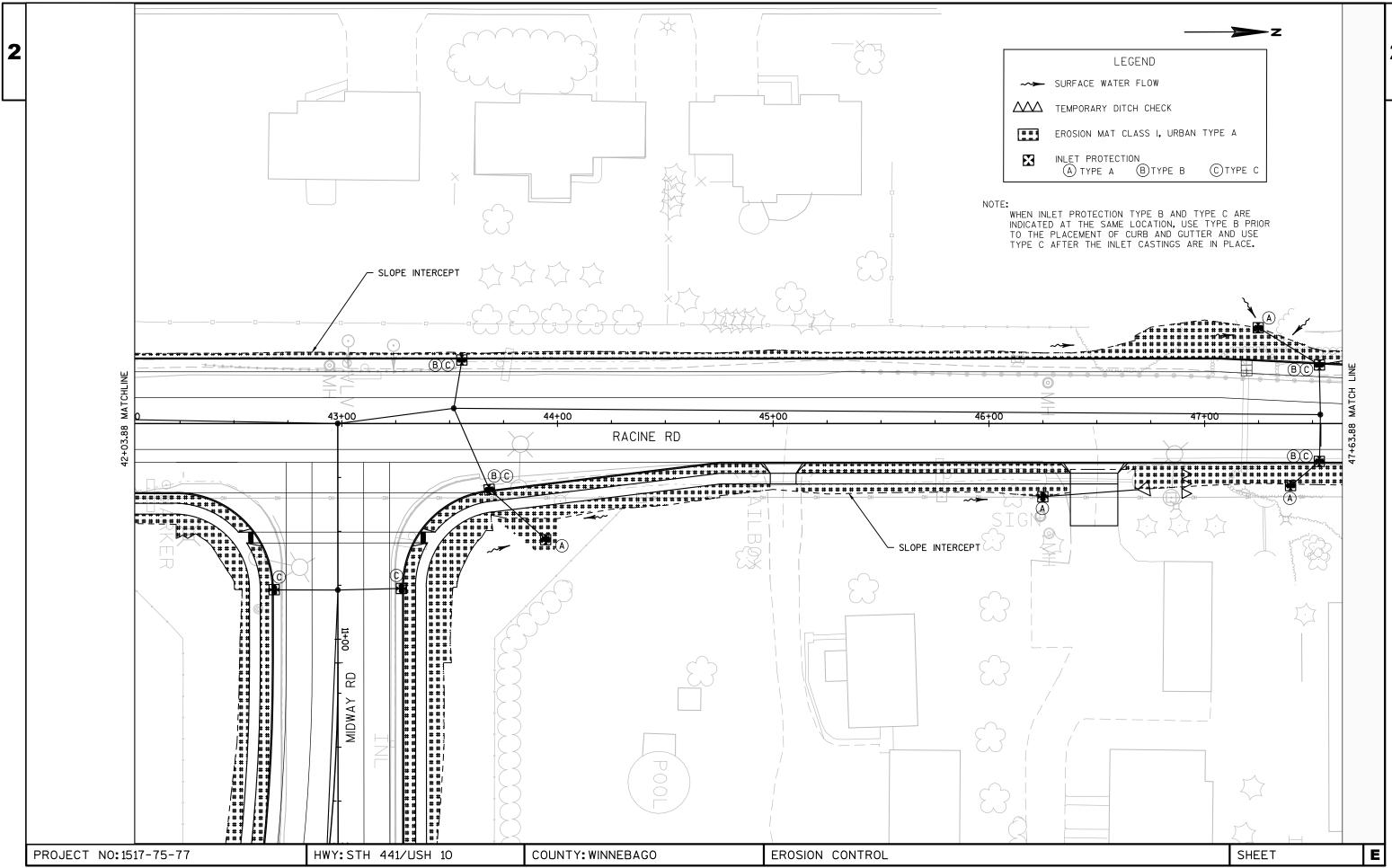


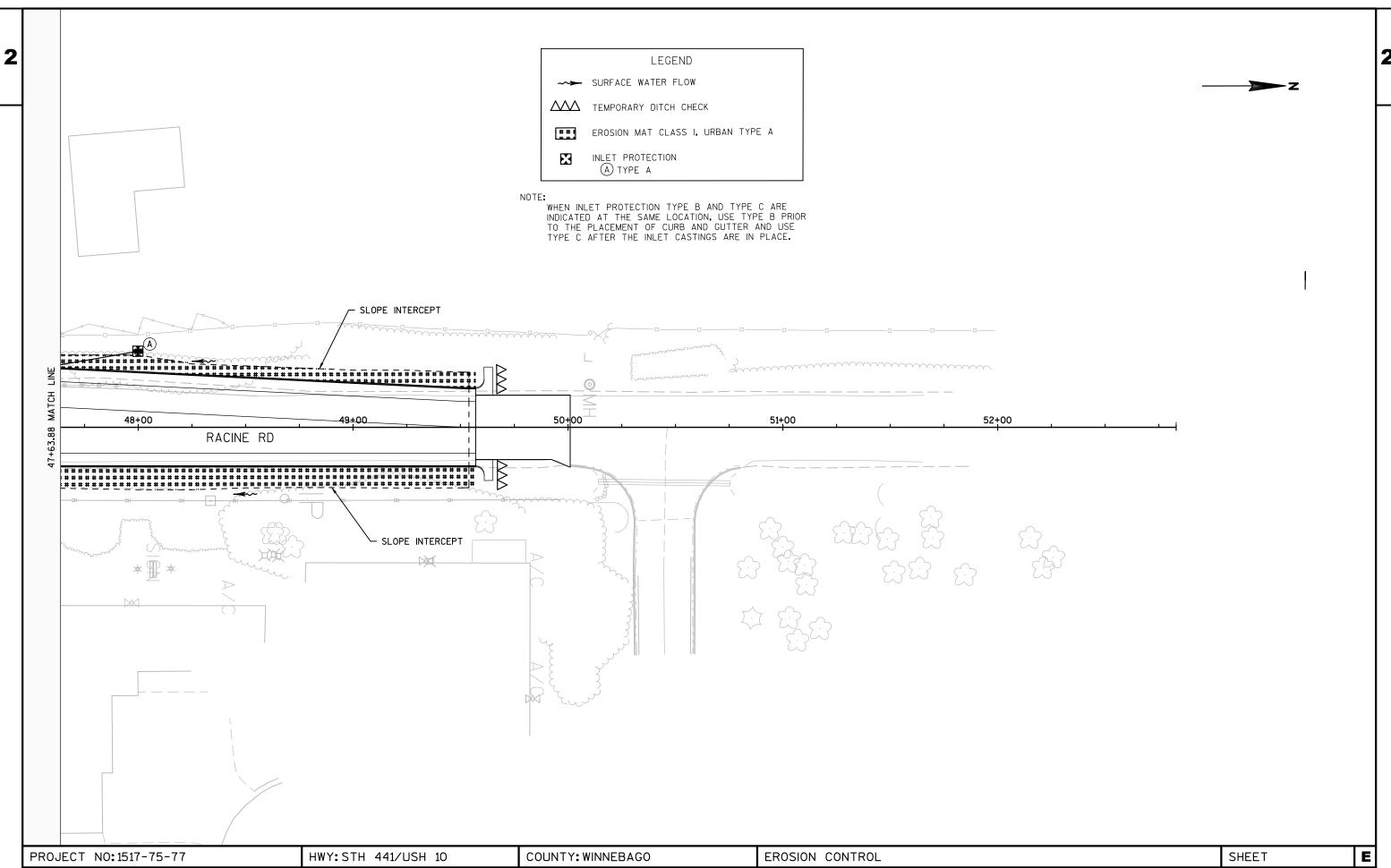


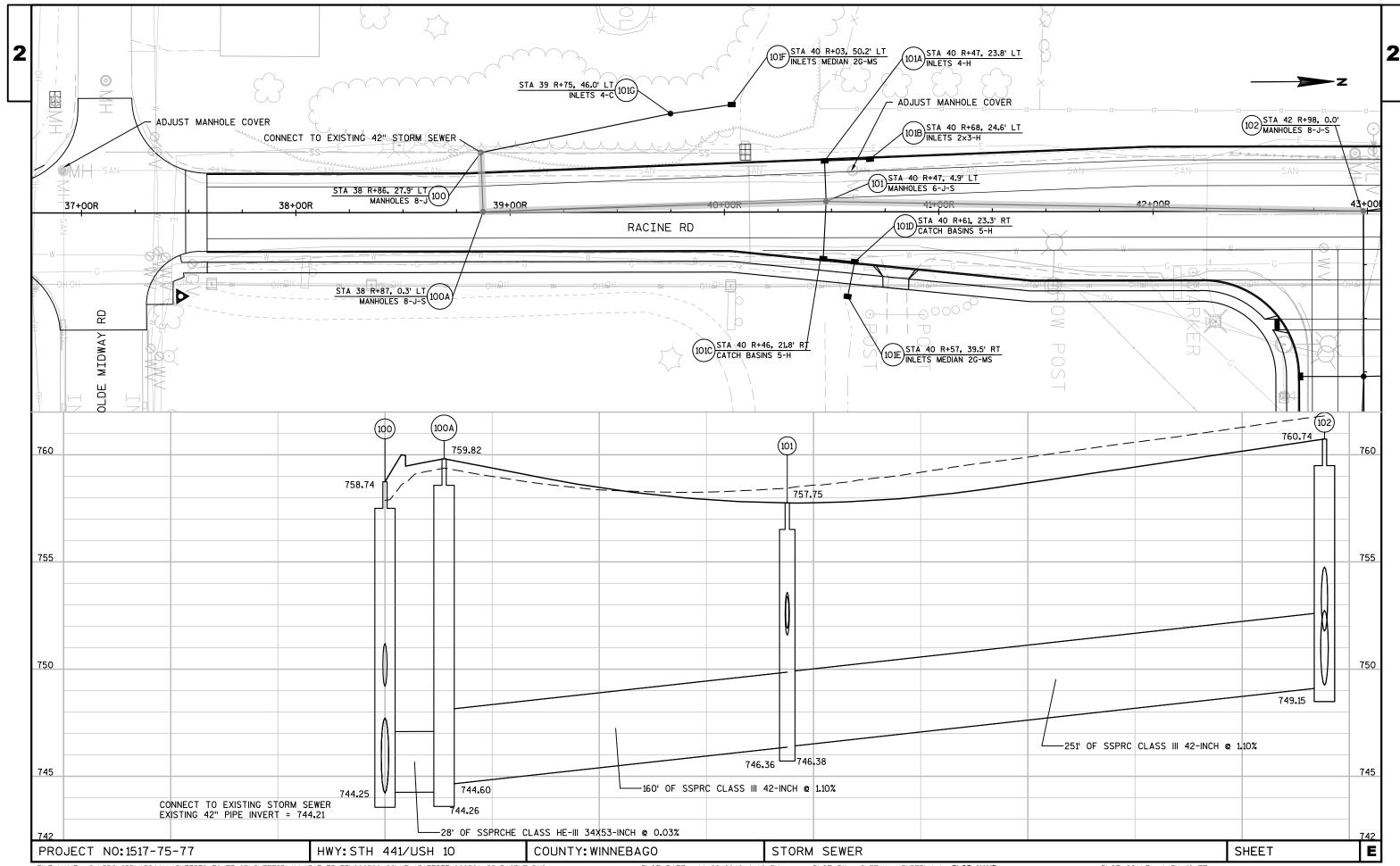


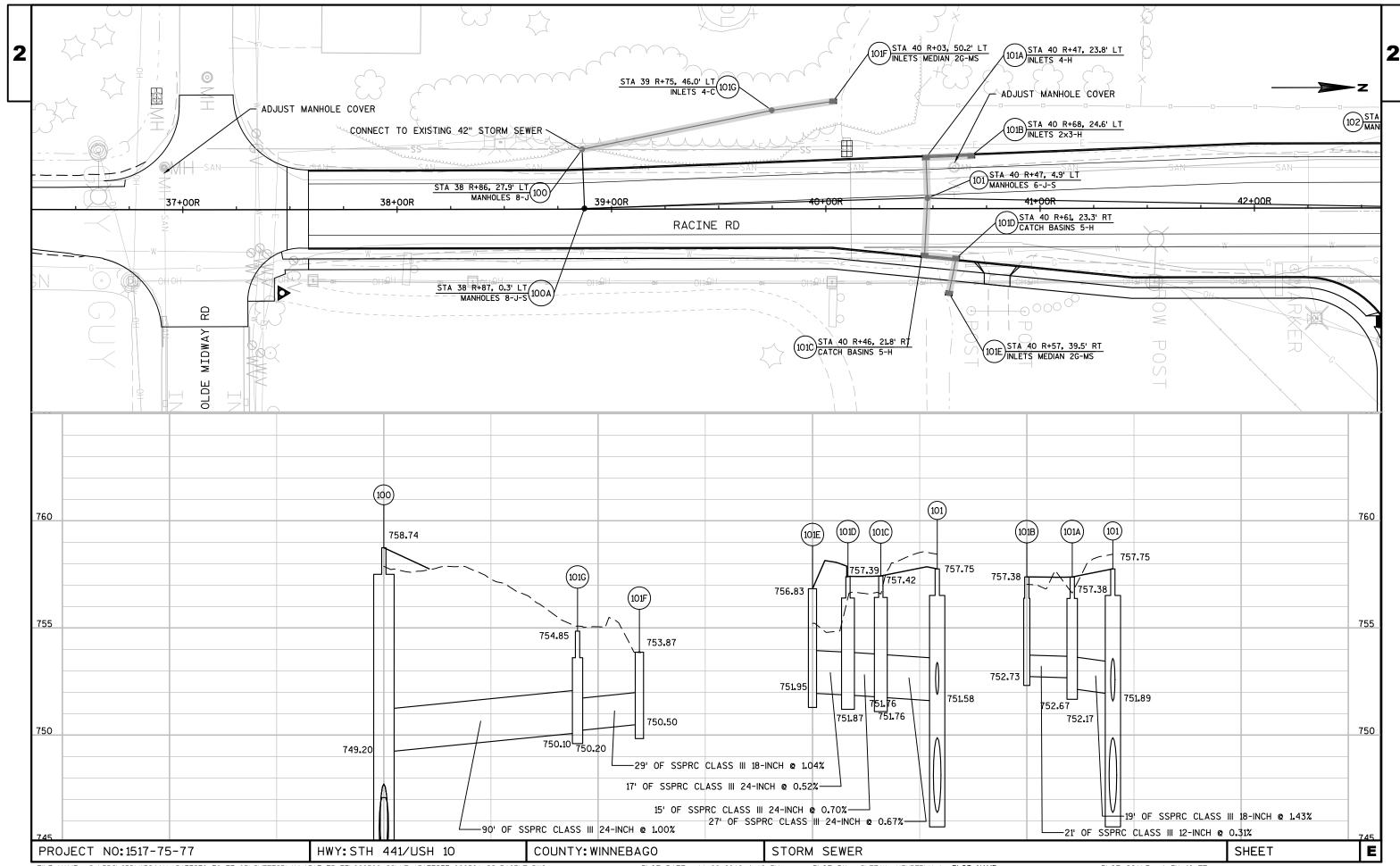


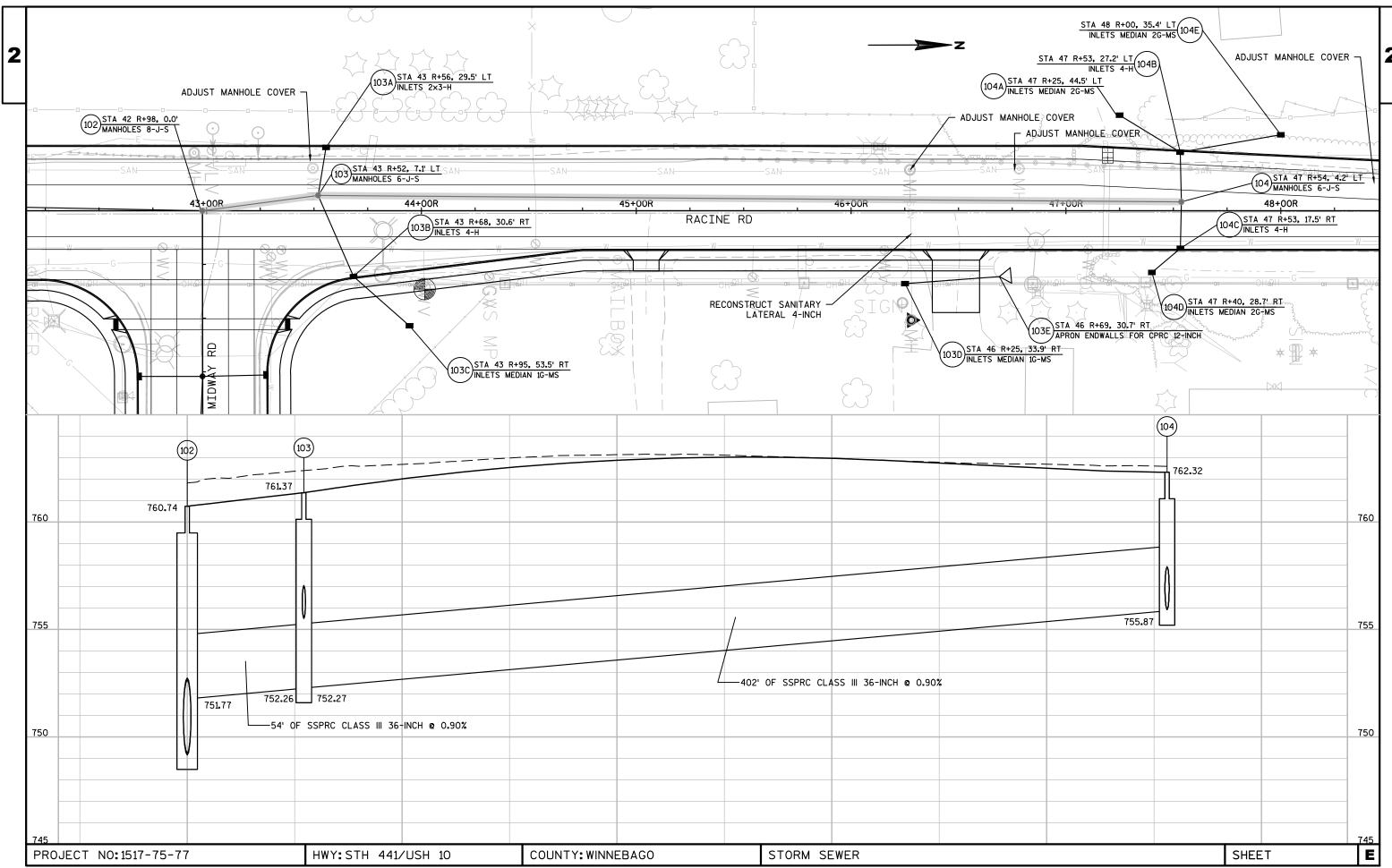


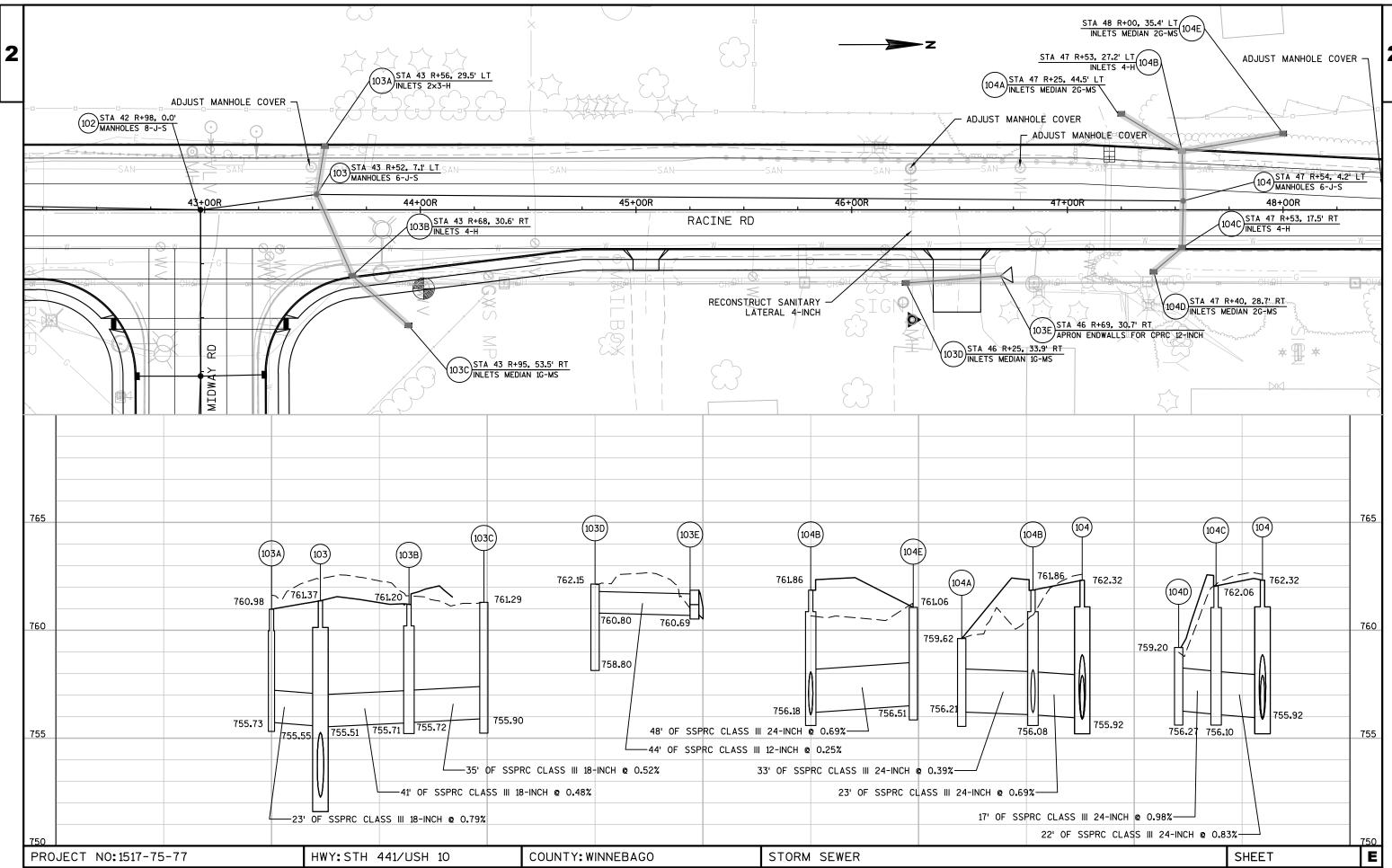


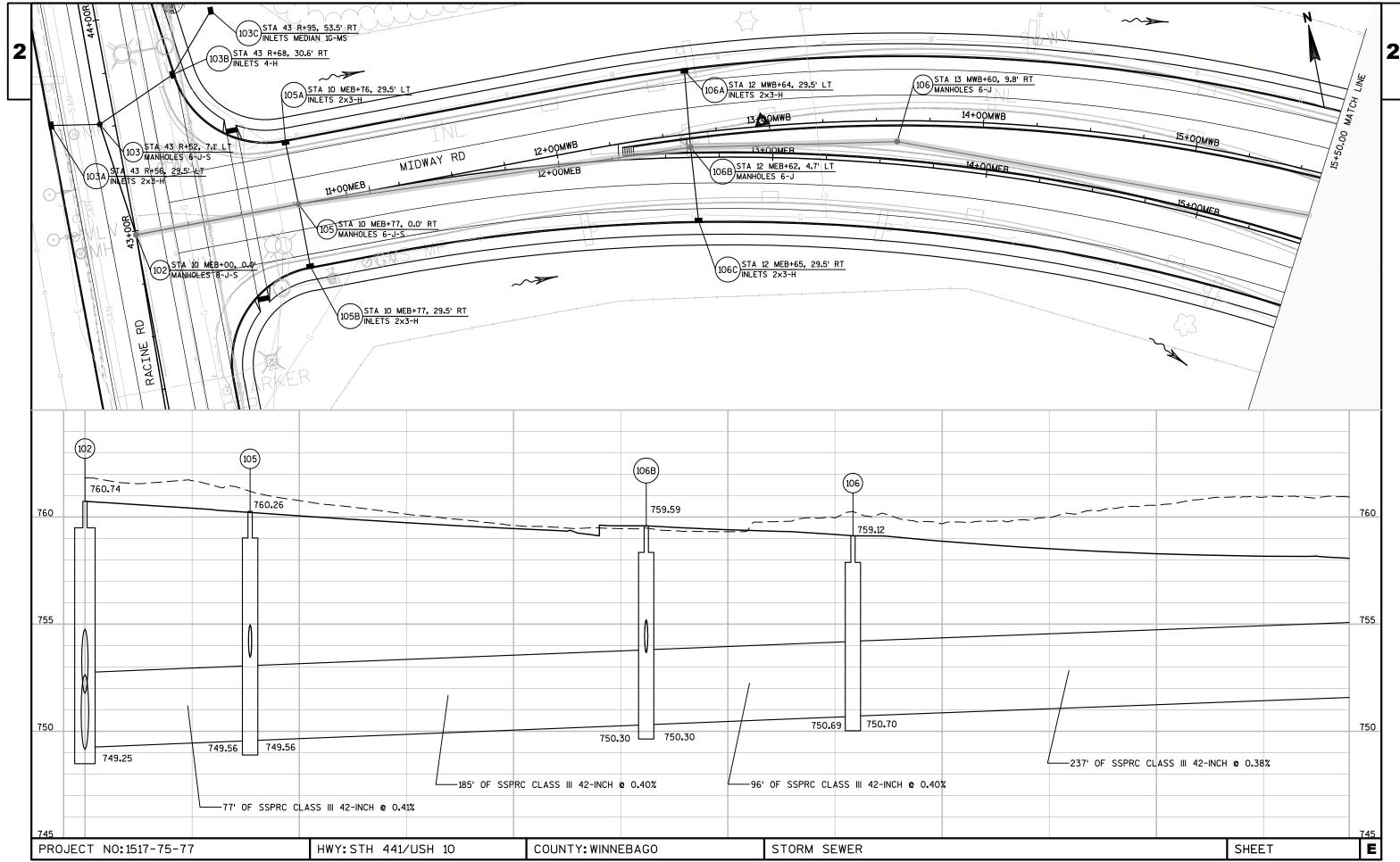


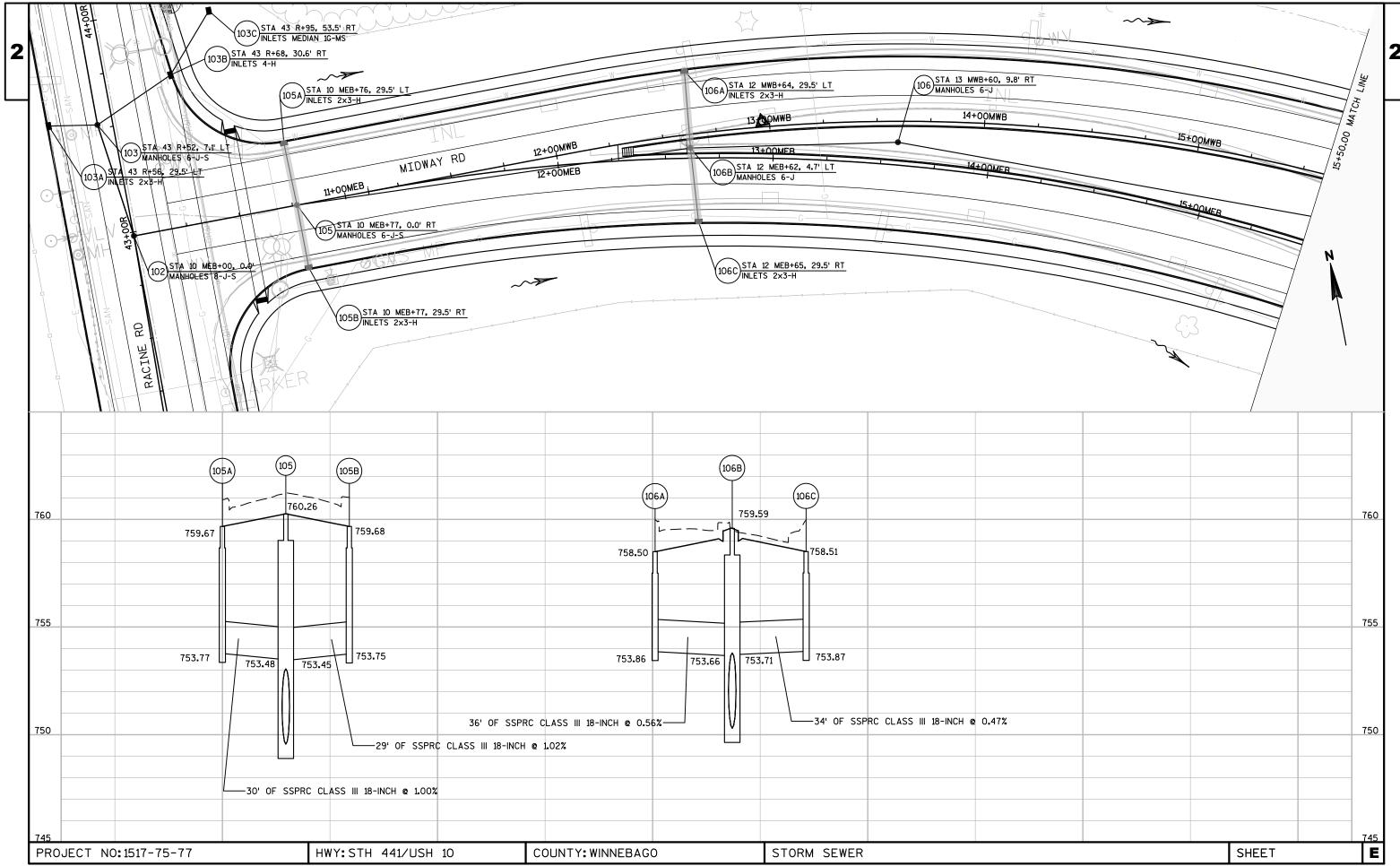


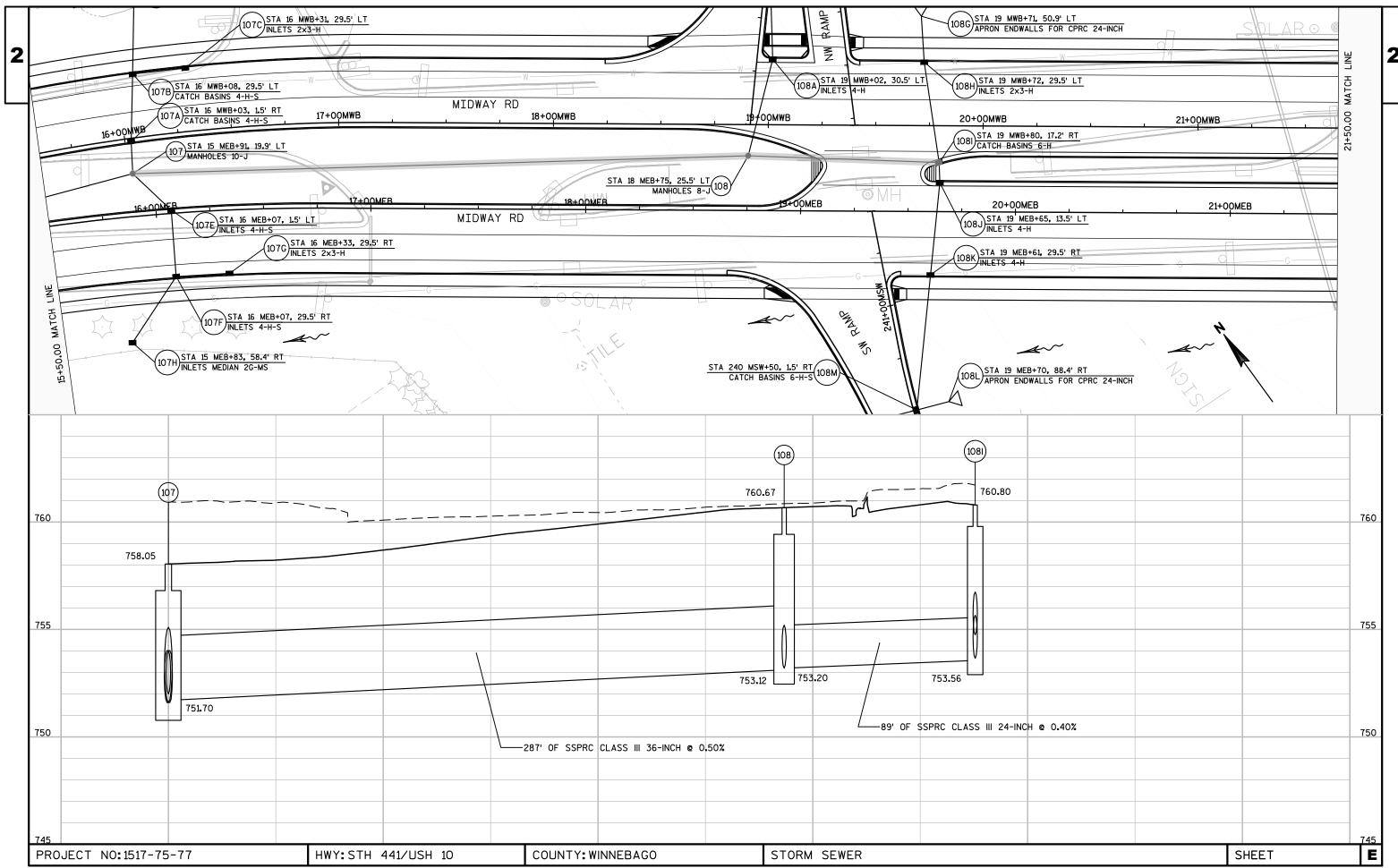


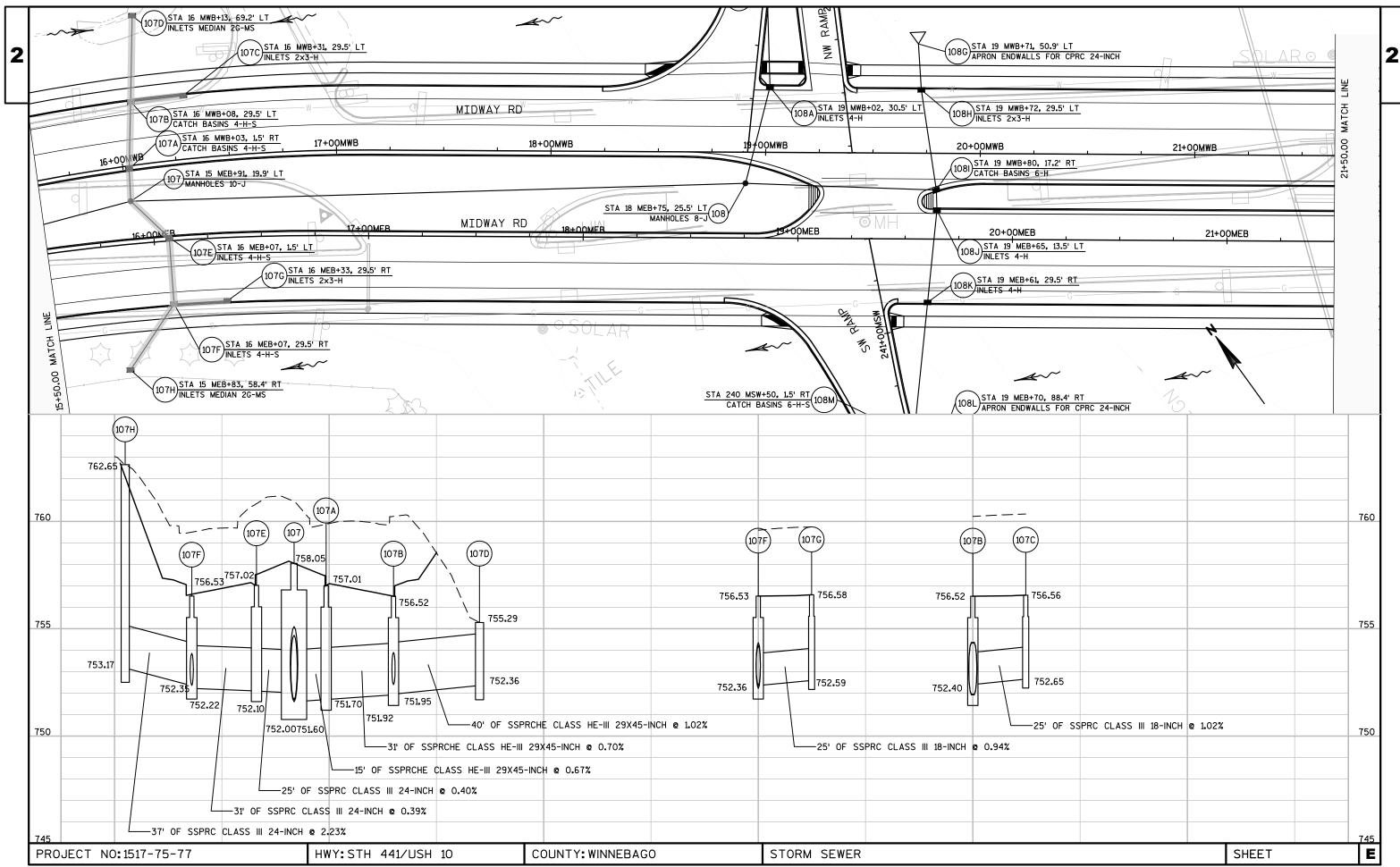


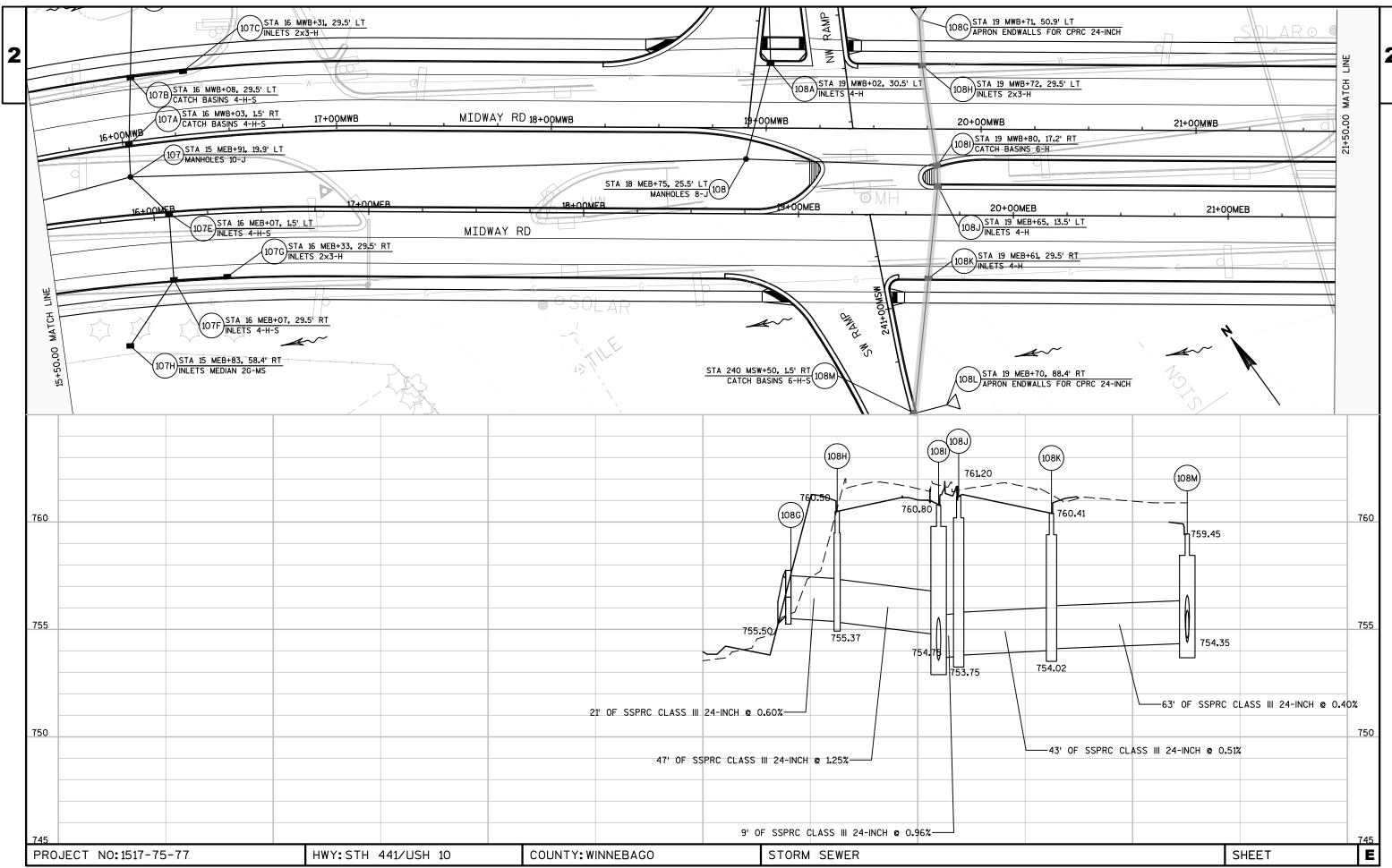


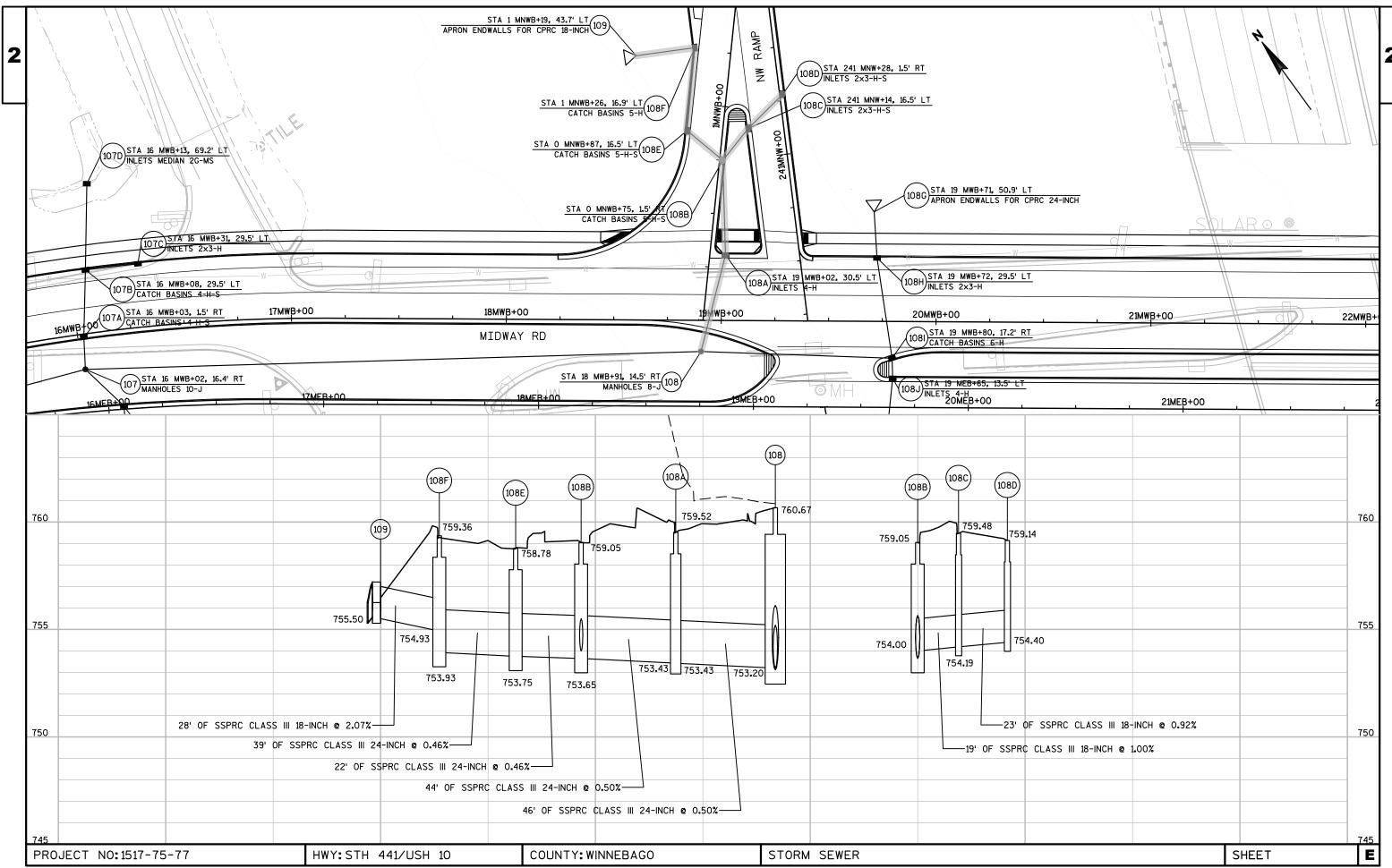


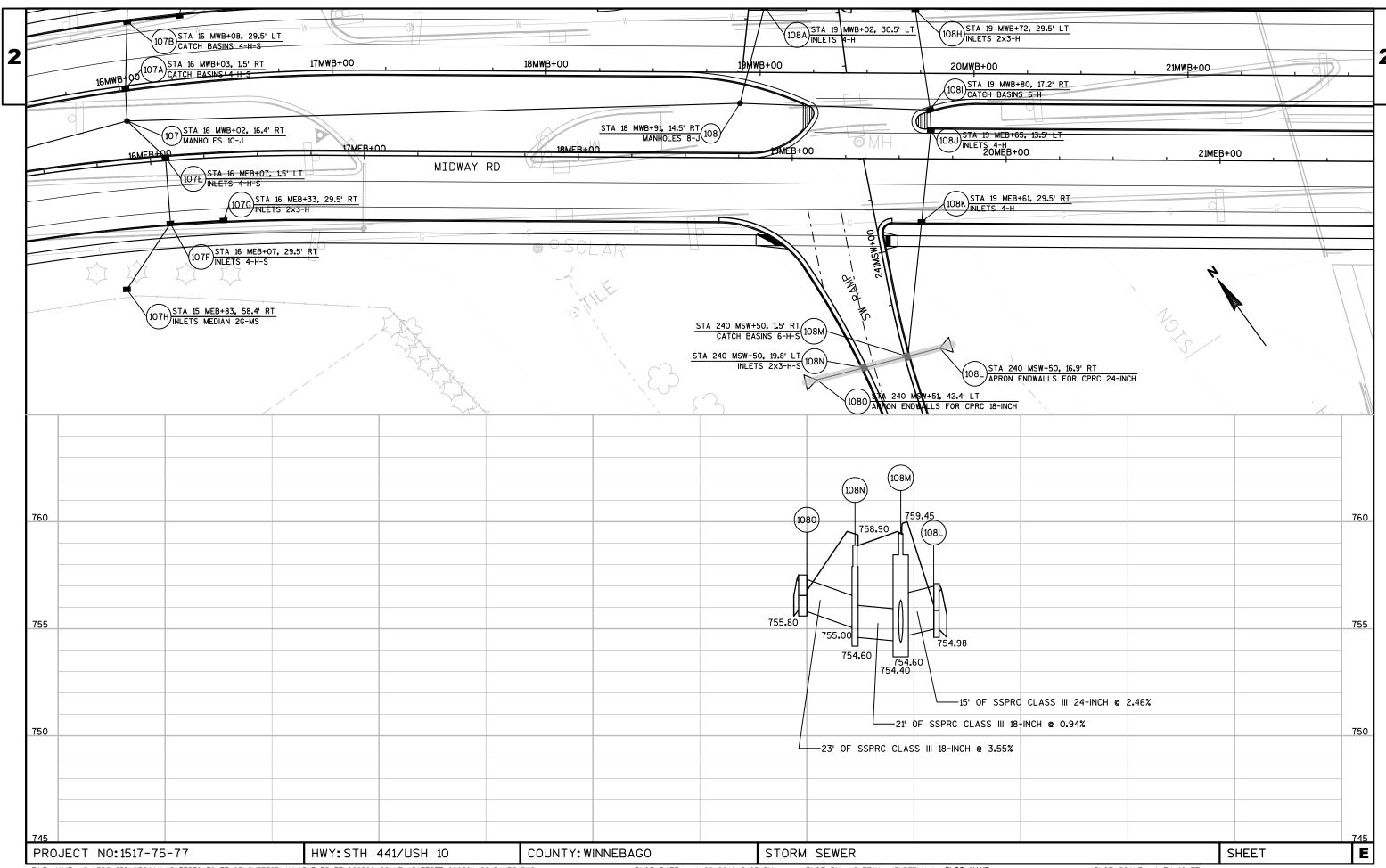


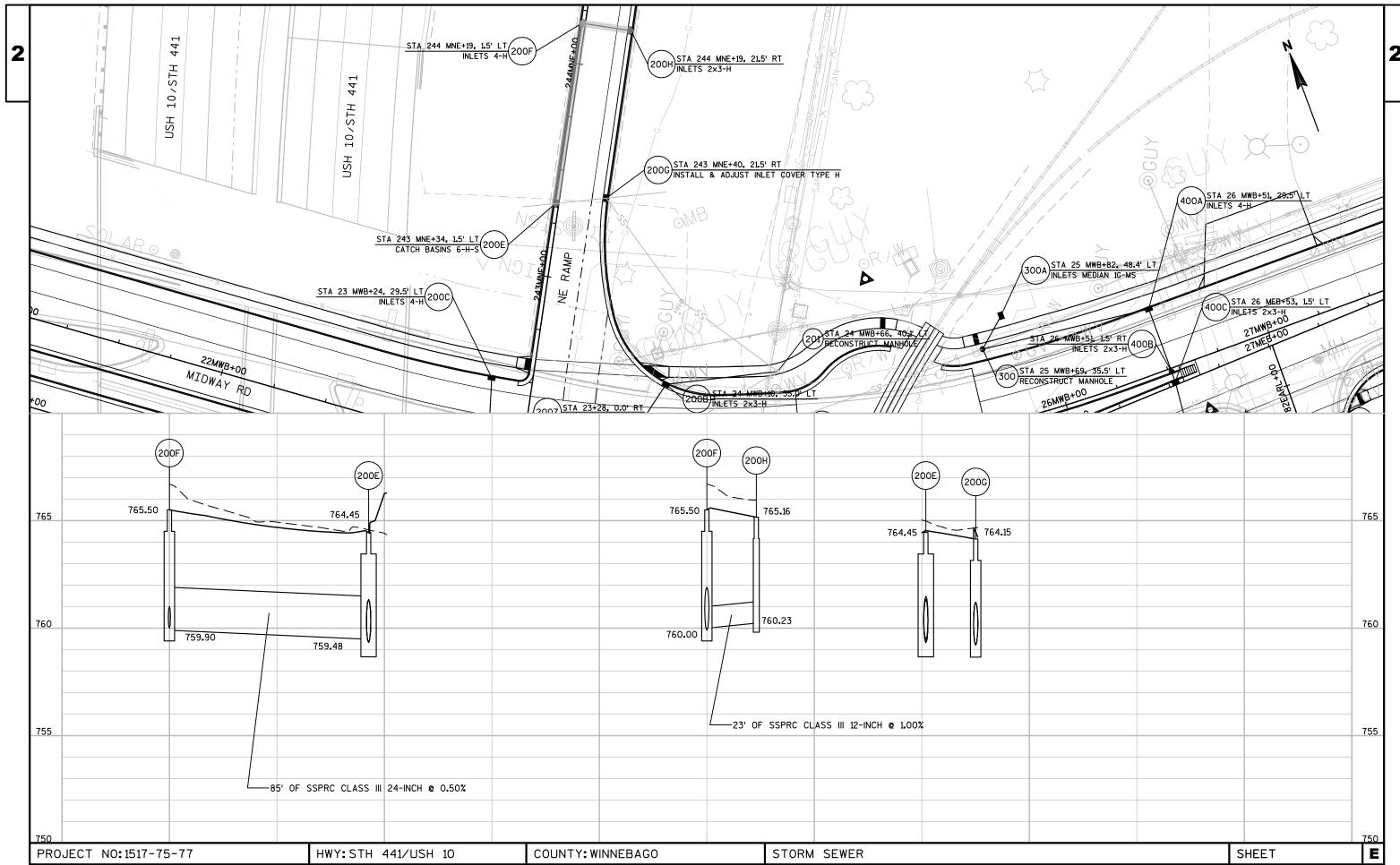


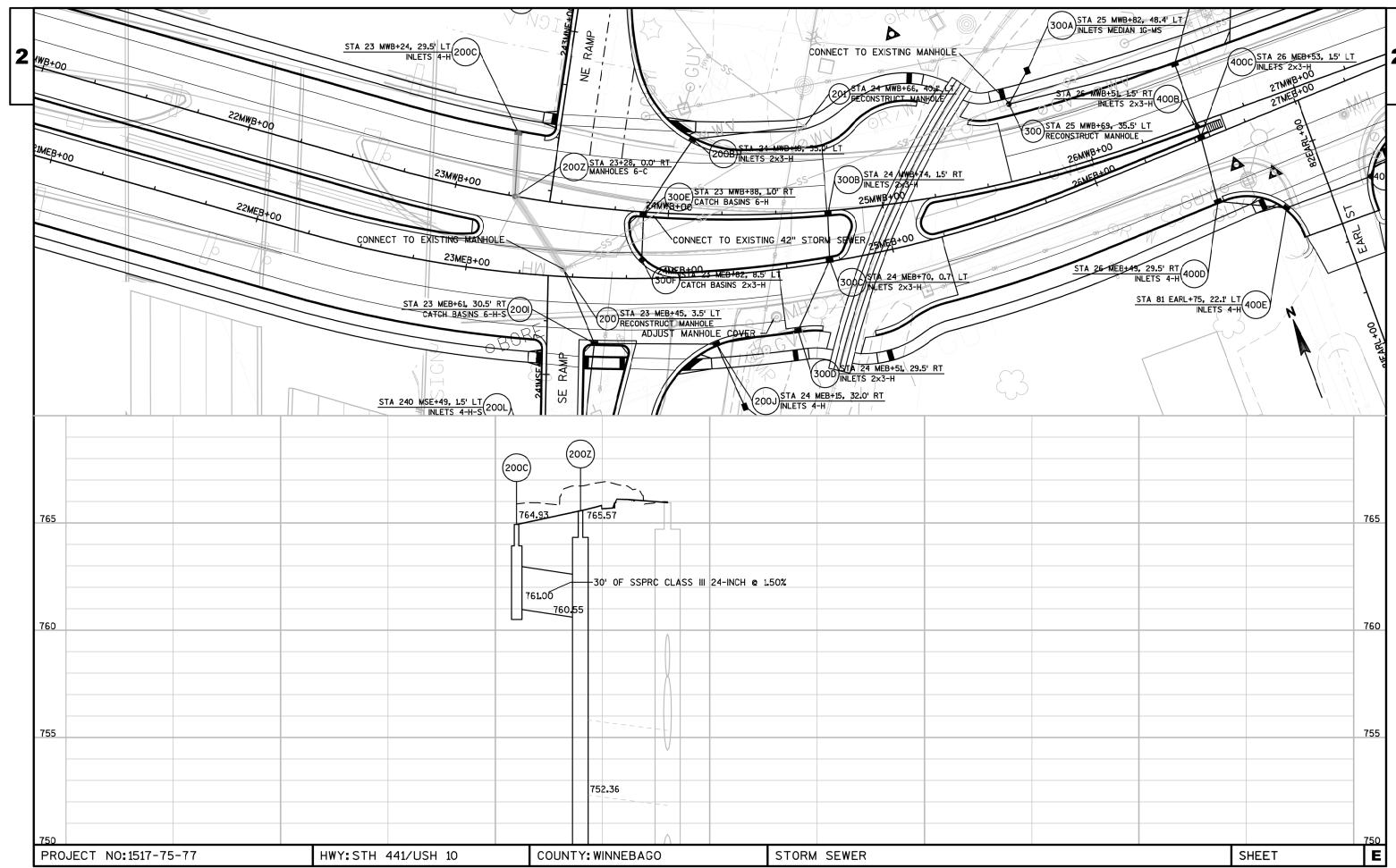


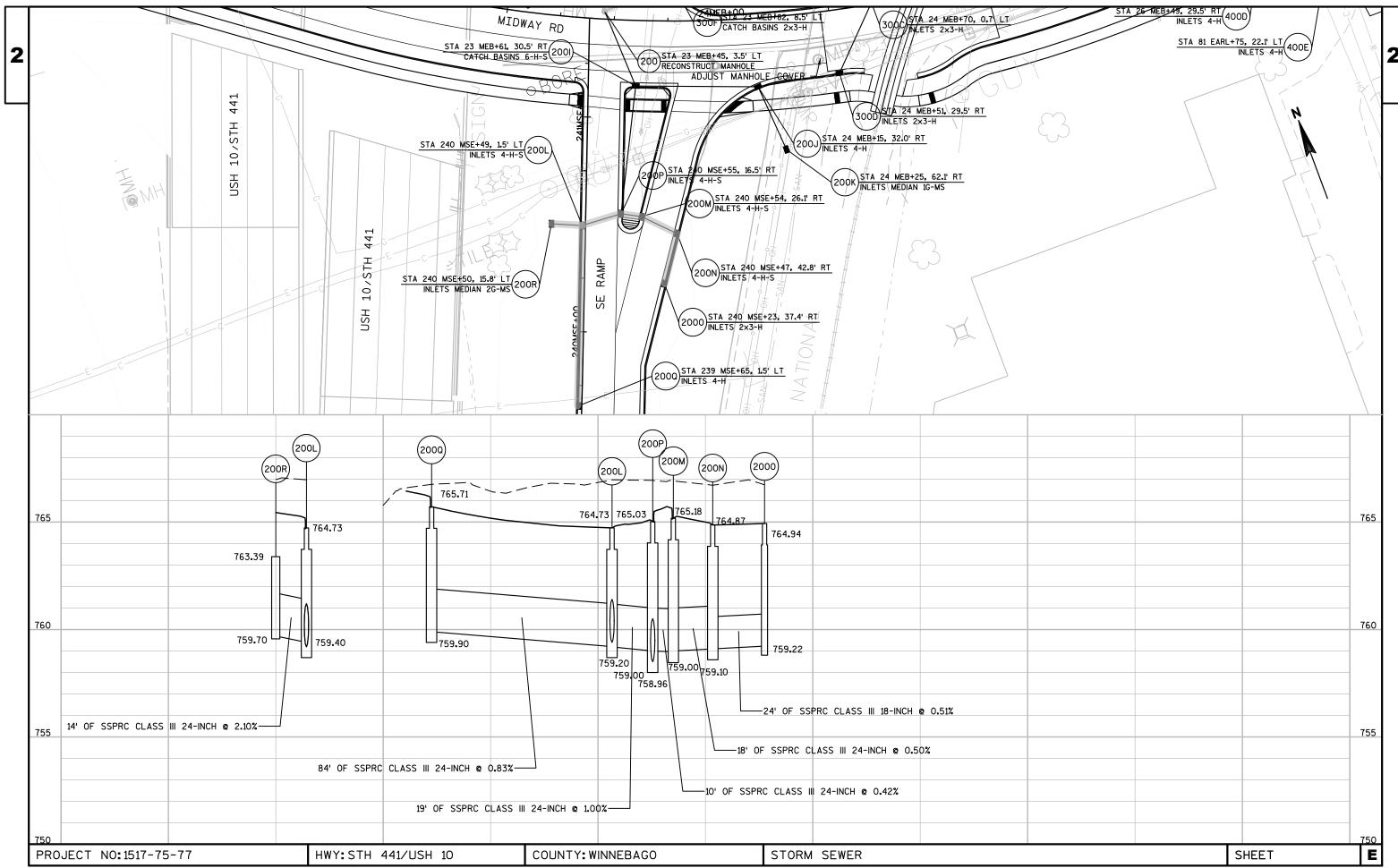


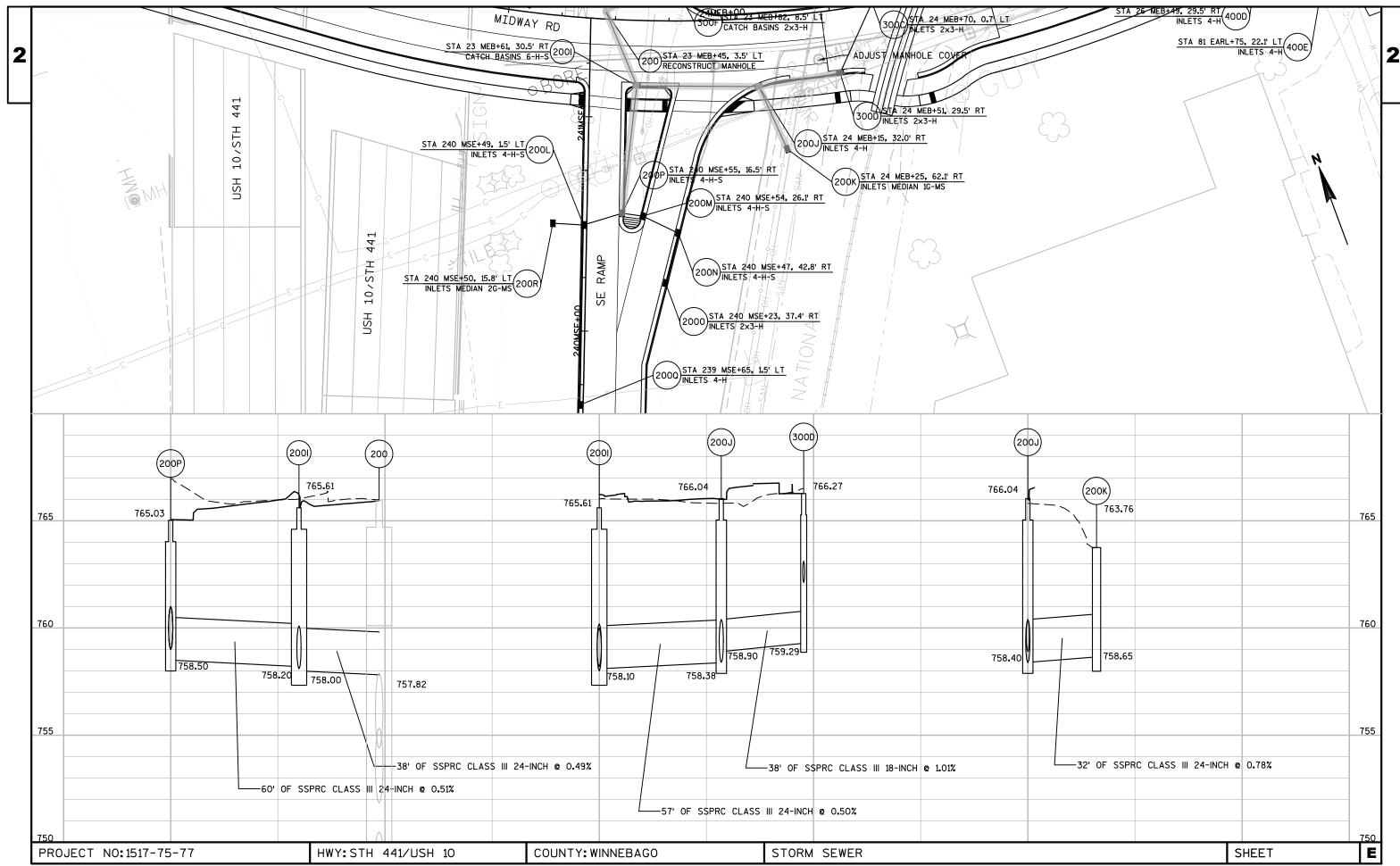


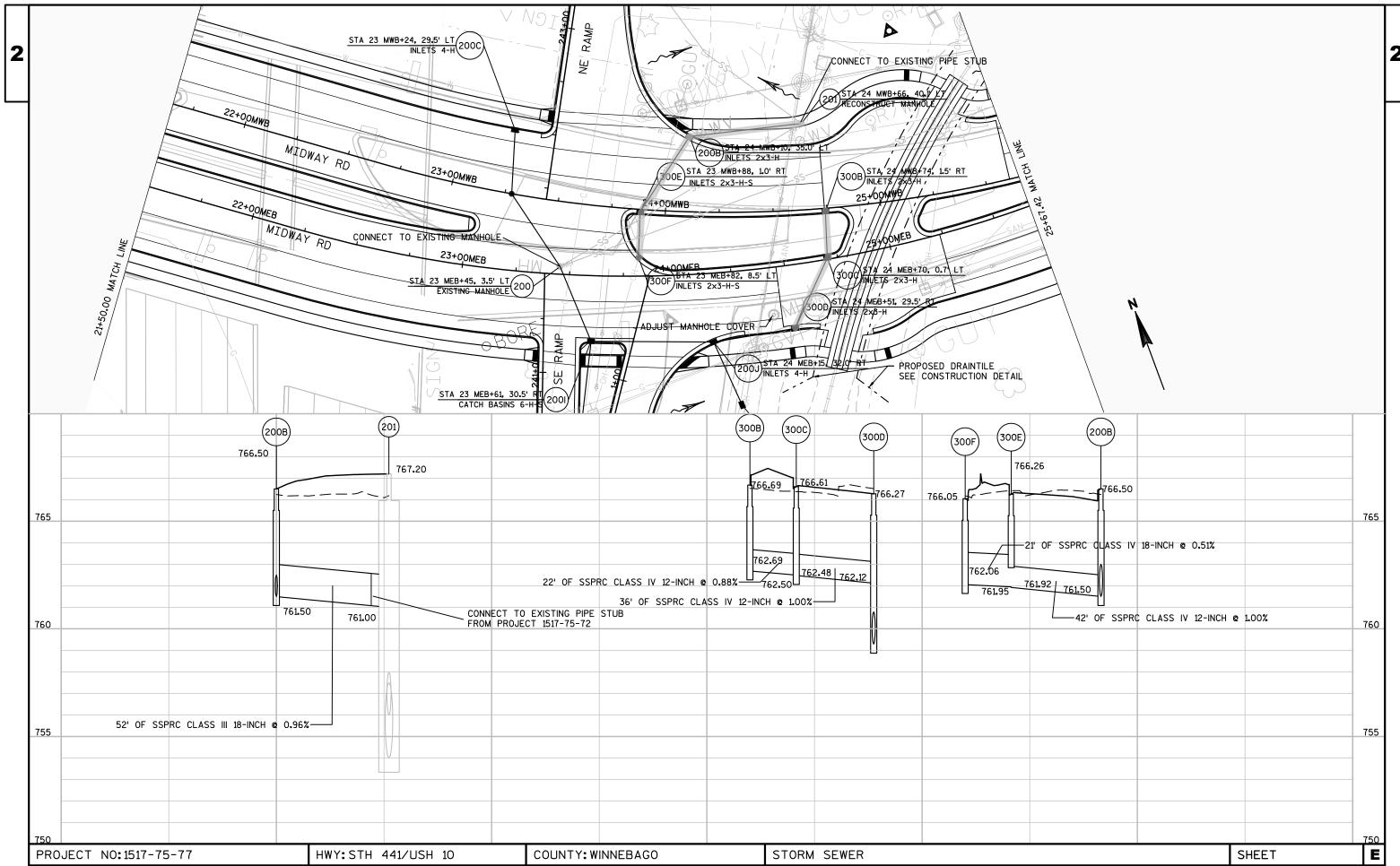


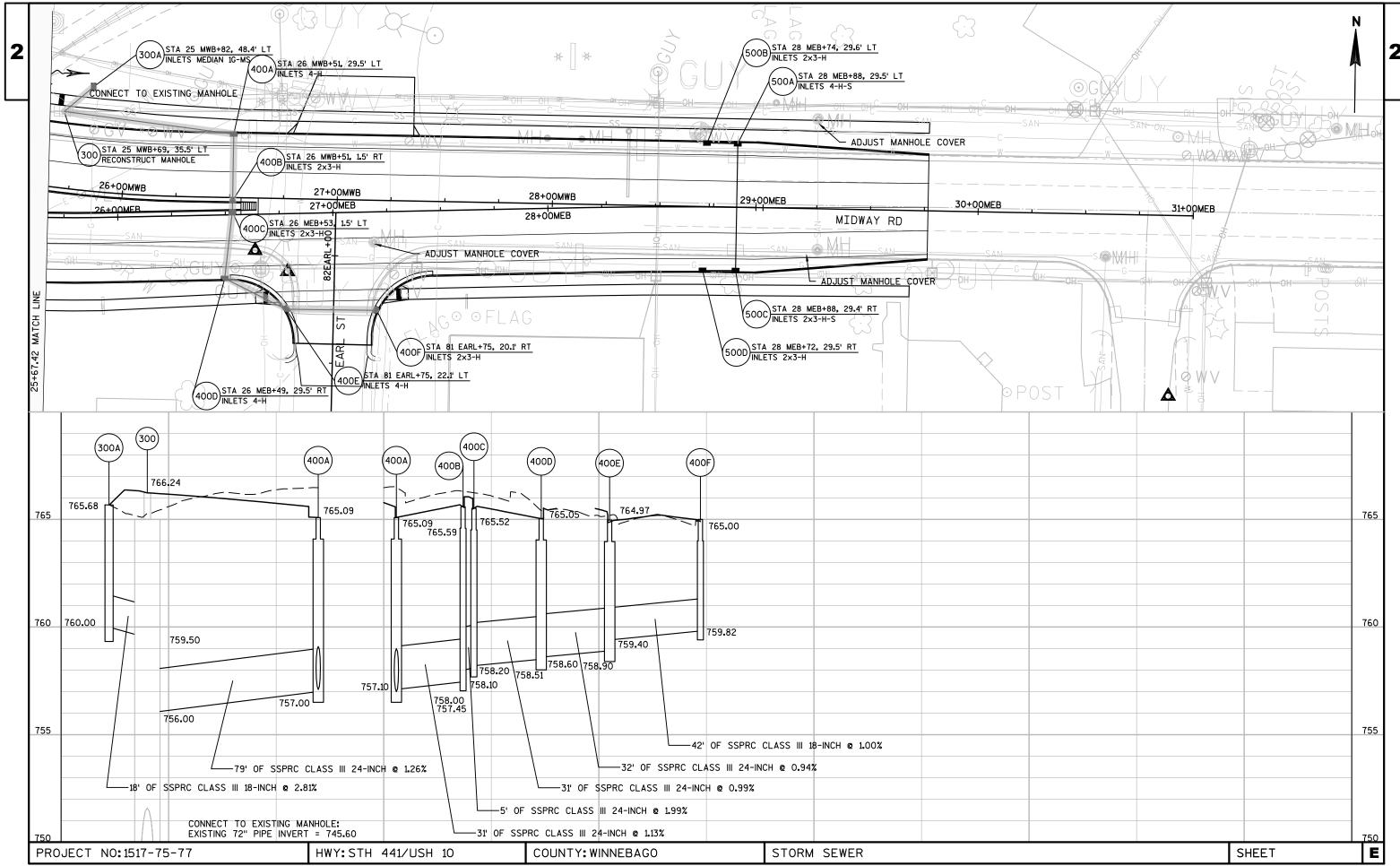


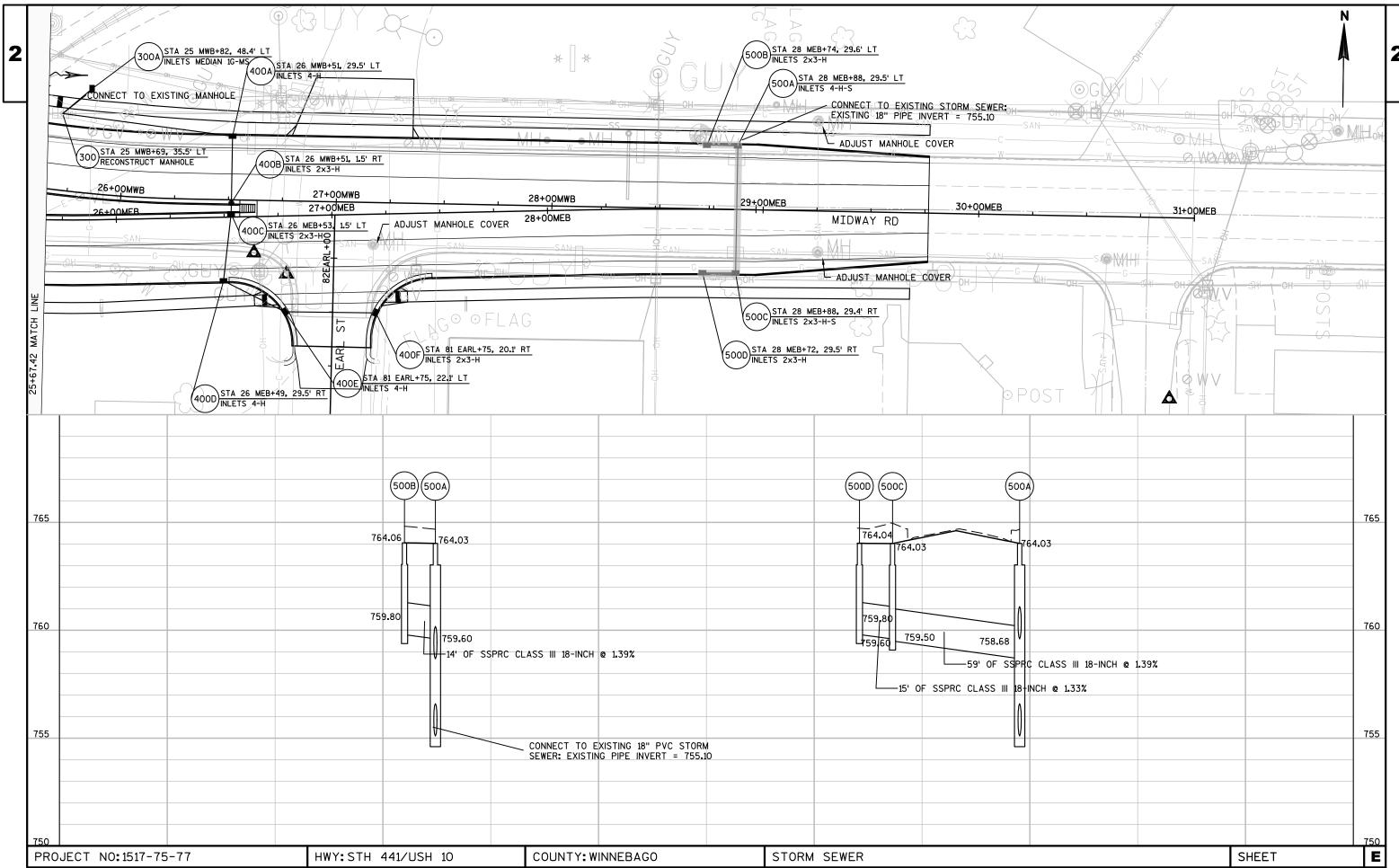


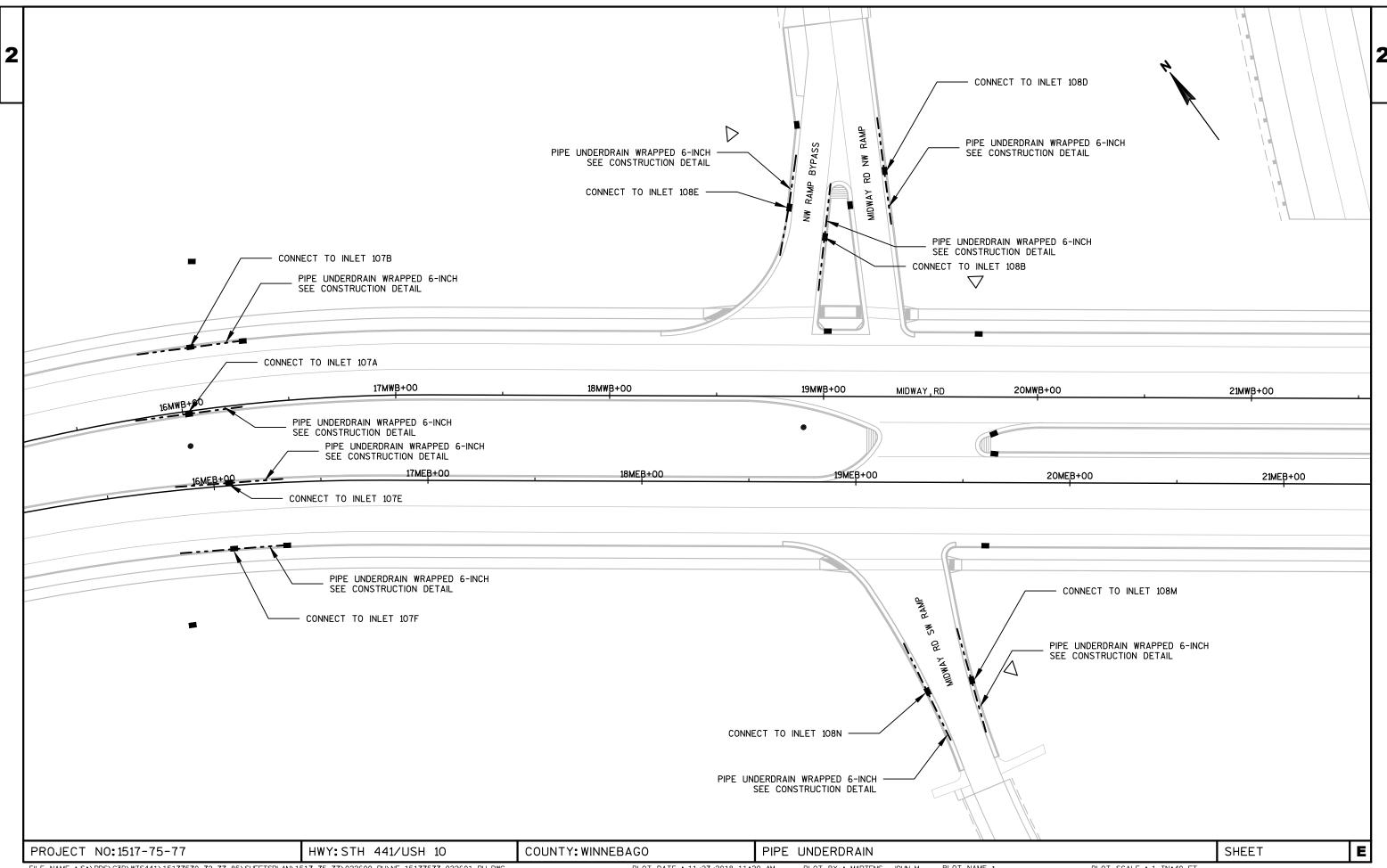


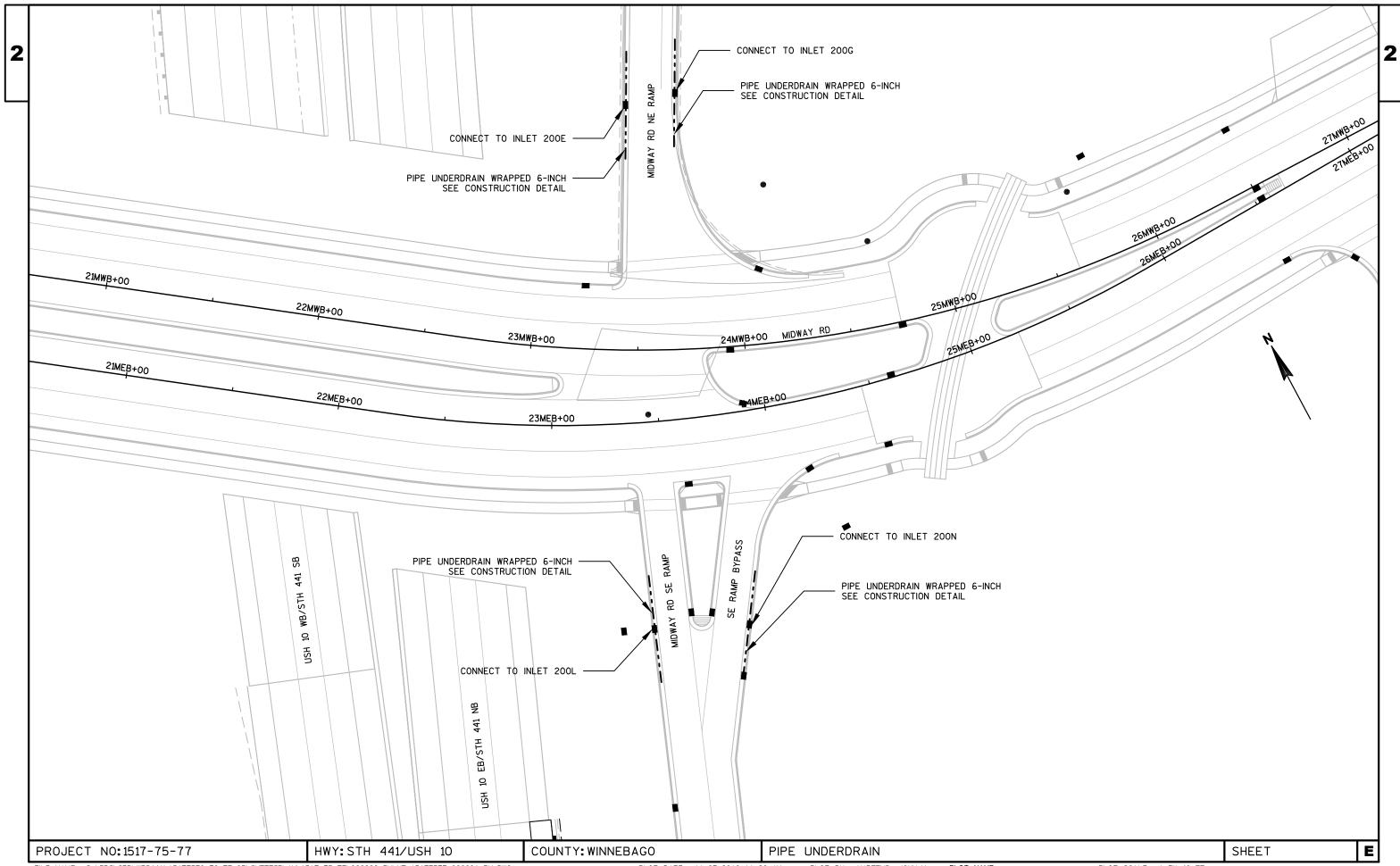


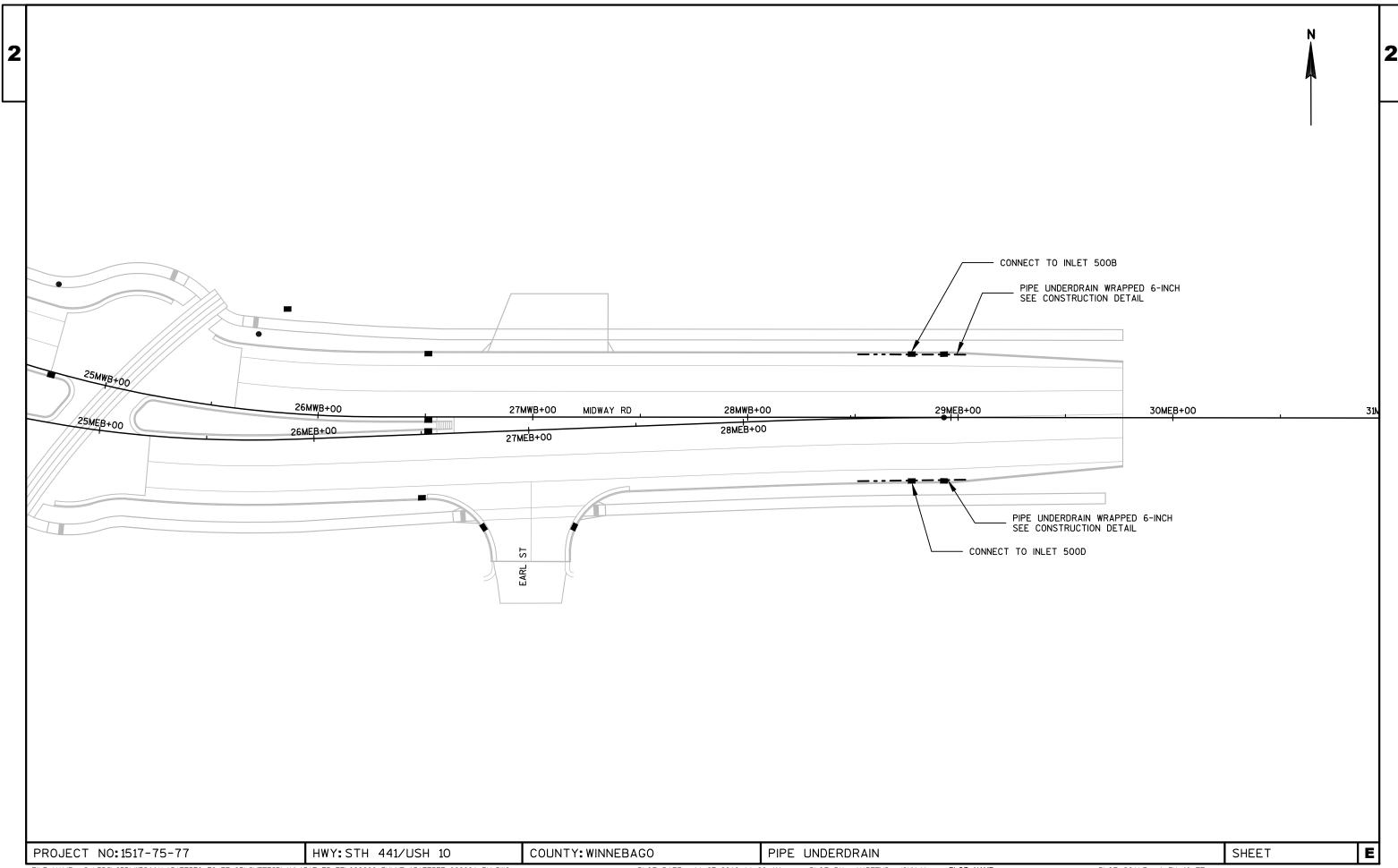


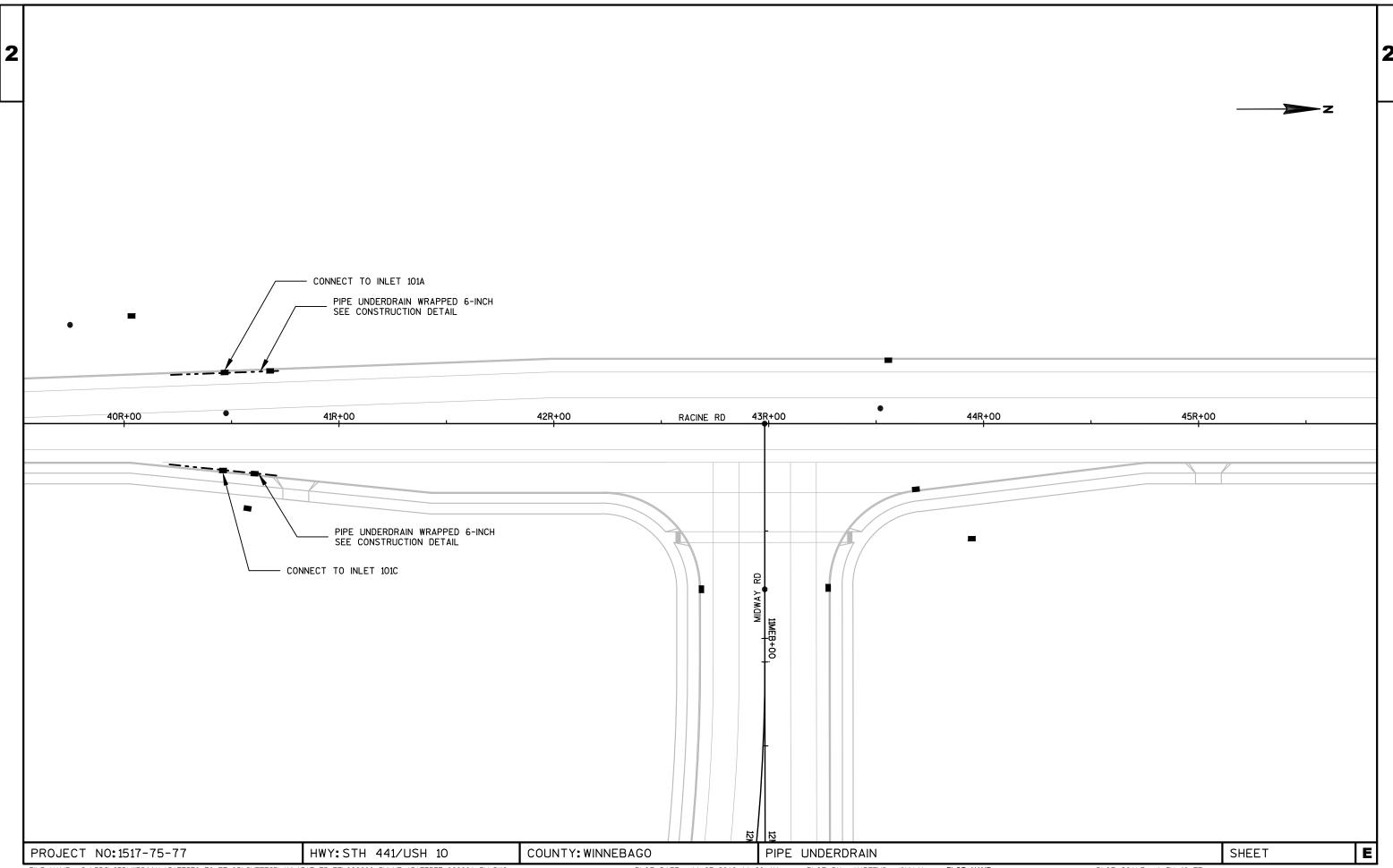


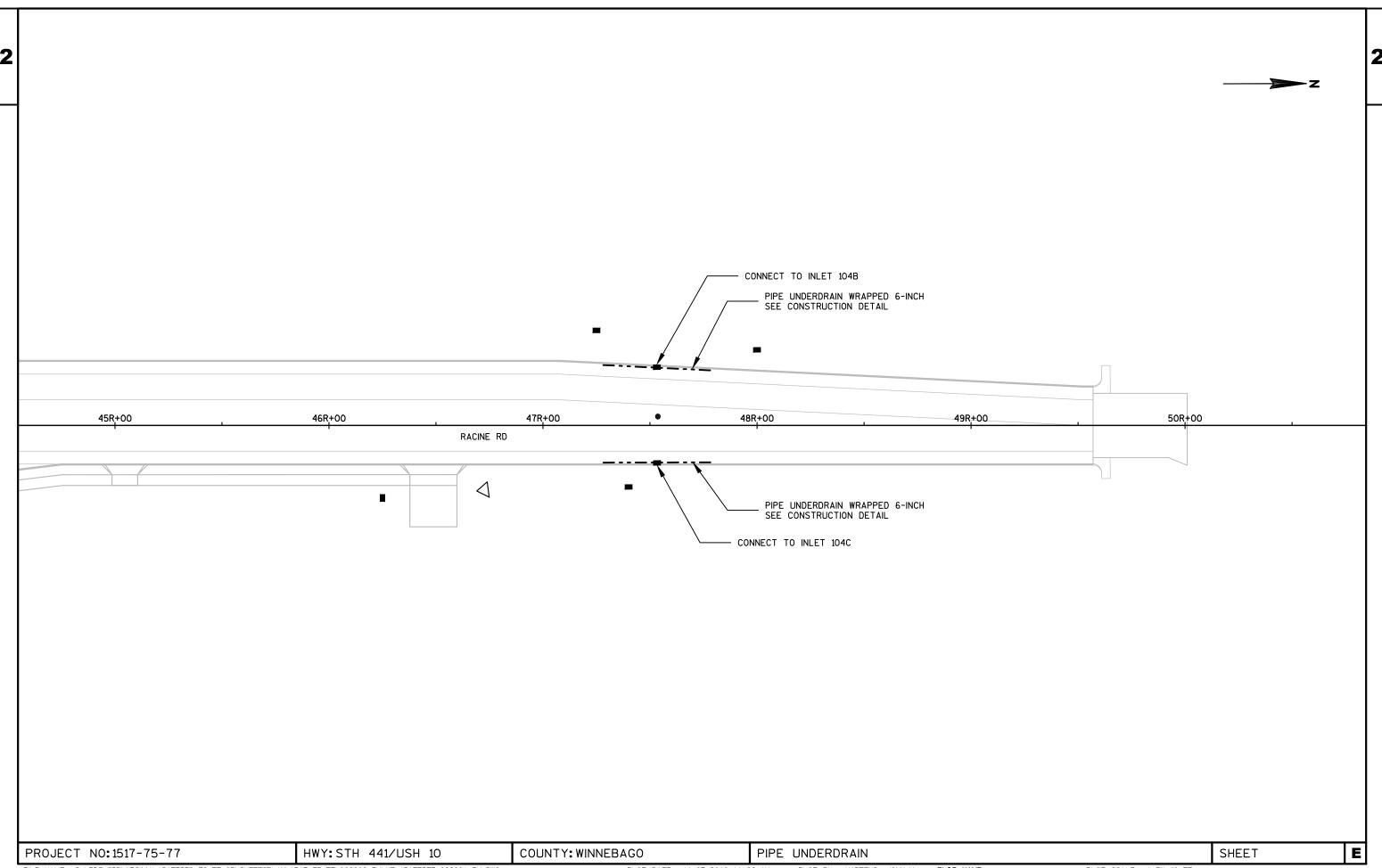


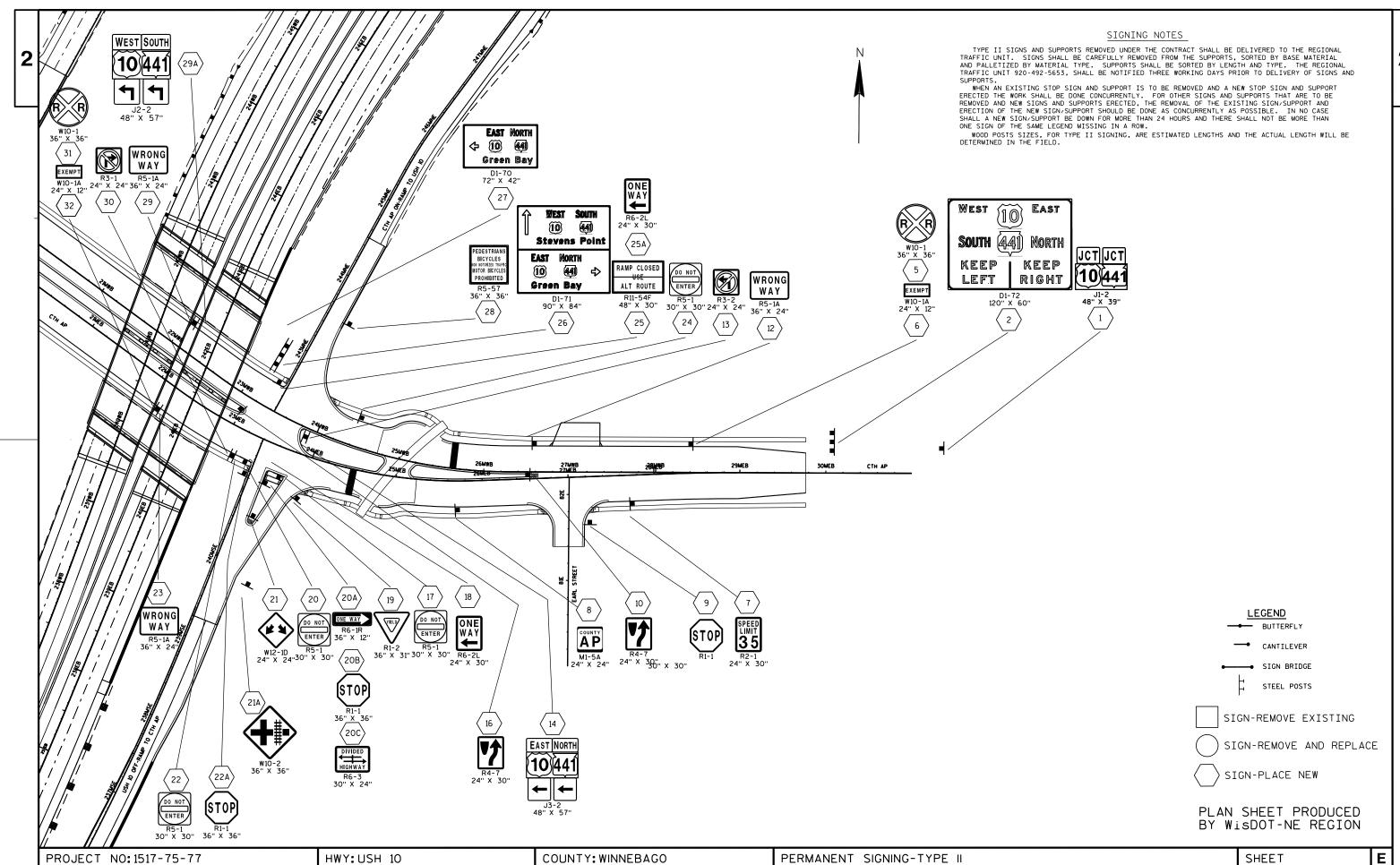


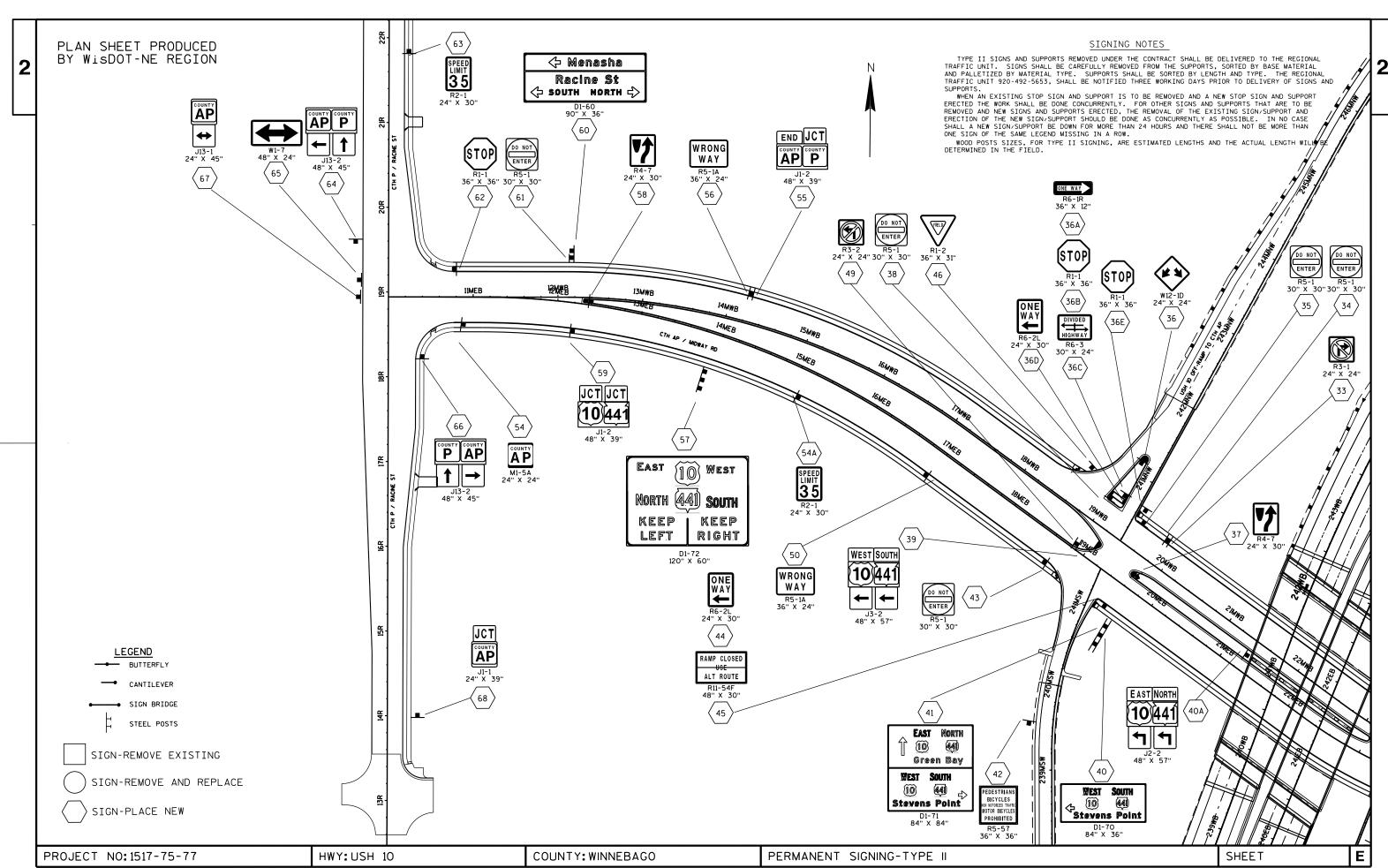














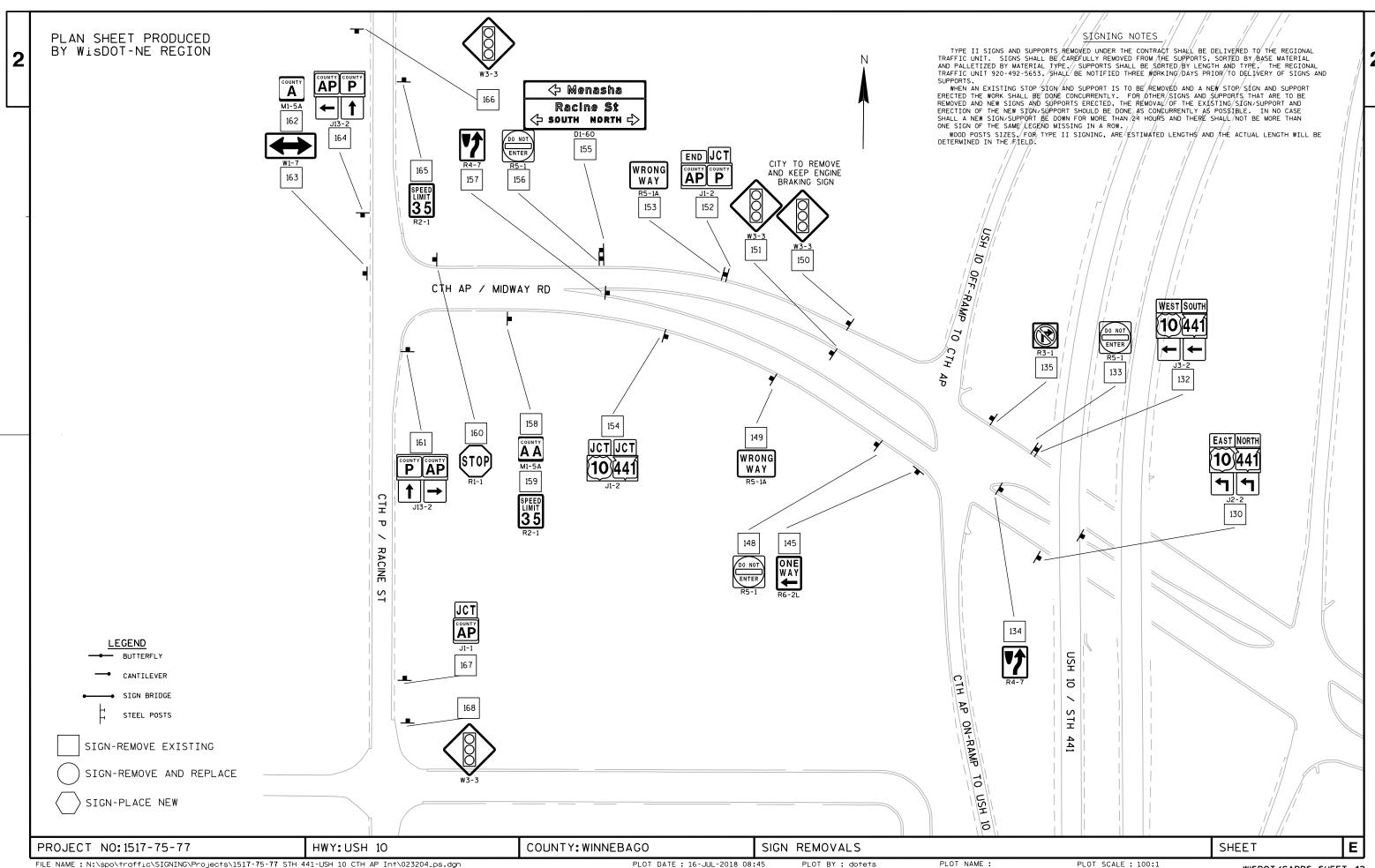
SIGNING NOTES TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW. 2 R3-1 126 은 EAST NORTH RAMP CLOSED 125 10)44 ON-RAMP ALT ROUTE 113 <u>J3-2</u> 110 FT RAMP CLOSED ALT ROUTE SPEED LIMIT **35** R2-1 111 NO TRAIN HORN W10-9P 105 127 WRONG WAY R5-1A CTH AP EARL 109 107 EAST NORTH STREET WRONG WAY**LEGEND** USH 10 OFF-PAMP 70 CTH AP BUTTERFLY CANTILEVER SIGN BRIDGE STEEL POSTS SIGN-REMOVE EXISTING SIGN-REMOVE AND REPLACE SIGN-PLACE NEW PLAN SHEET PRODUCED BY WisDOT-NE REGION Ε SHEET

HWY: USH 10

PROJECT NO: 1517-75-77

COUNTY: WINNEBAGO

SIGN REMOVALS



2

GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PRIOECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS. PULL BOXES, COMMUNICATIONS VAULTS, POLES, FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR ITS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, AND SEED AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS, BUT ALSO CONTAINING ITS CONSTRUCTION, WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR ITS CONSTRUCTION OPERATIONS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.

BE ADVISED THAT DUE TO RAMP. LANE AND SHOULDER CLOSURE RESTRICTIONS AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTORS IN THE AREA.

NOTIFY THE REGIONAL TRAFFIC UNIT (920-492-7719) A MINIMUM OF TWO (2) WEEKS PRIOR TO THE NEED TO STAKE THE FOLLOWING ITEMS: CCTV CAMERA BASE, ITS FIELD CABINET BASE, MICROWAVE DETECTOR BASES, CONDUIT, PULL BOXES AND COMMUNICATIONS VAULTS.

NOTIFY THE REGIONAL TRAFFIC UNIT (920-492-5651), OR SECONDARY CONTACT AT (920-492-7719) A MINIMUM OF TWO (2) WEEKS PRIOR TO THE NEED TO STAKE THE FOLLOWING ITEMS: RAM CLOSURE GATE BASES AND RAMP CLOSURE GATE CONTROLLER CABINET BASES

HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

LEGEND

JUNCTION BOX VIDEO SENSOR

₩ CCTV CAMERA CONTROL CABINET

POLE MOUNTED CABINET

COMMUNICATIONS PULL BOX 24X48

TYPE 5 OR CAMERA POLE

FLECTRICAL PULL BOX 24X48

 \Box COMMUNICATIONS VAULT

(M) MANHOLE

MICROWAVE DETECTOR

ITS CONDUIT ----

ITS CONDUIT DIRECTIONAL BORE

ITS CONDUIT ON STRUCTURE

■ DYNAMIC MESSAGE SIGN

ROAD WEATHER INFORMATION SYSTEM

METER BREAKER PEDESTAL

BREAKER DISCONNECT BOX

BARRICADE RACK

RAMP GATE

 \blacksquare SOLAR RAMP GATE CONTROLLER CABINET

AR RADIO LINK (REMOTE DESTINATION)

TEMPORARY WOOD POLE

STANDARD ABBREVIATIONS

CCTV CLOSED CIRCUIT TELEVISION

RMRAMP METER

DMS DYNAMIC MESSAGE SIGN SDS SYSTEM DETECTOR STATION OVERHEAD SIGNAL SUPPORT S

CS COUNT STATION

AUTOMATIC TRAFFIC RECORDER ATR ADVANCE FLASHER (ASSEMBLY)

AF(A) CB CONTROLLER CABINET

CP CAMERA POLE PF POLE FOUNDATION

ΡВ **PULL BOX** MH MANHOLE

CV COMMUNICATIONS VAULT

SB SIGNAL BASE

ΑP ANTENNA POLE

DS DRAINAGE STRUCTURE (ON ITS PLANS ONLY) TAR

TRAVELER ADVISORY RADIO MD MICROWAVE DETECTOR

DP **DETECTOR POLE**

VDC VIDEO DETECTION CAMERA

VEHICLE DETECTION CLASSIFICATION SENSOR **VDCS**

FO FIBER OPTIC

ROAD WEATHER INFORMATION SYSTEM **RWIS**

WIM WEIGH IN MOTION

CT COUNT

CONTACTS

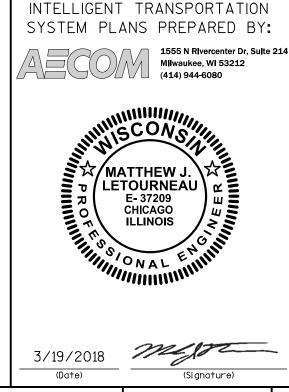
WIS. DEPT. OF TRANSPORTATION NE REGION MR. RANDY ASMAN 944 VANDERPERREN WAY GREEN BAY, WI 54304 (920) 360-3107

WIS. DEPT. OF TRANSPORTATION NE REGION MR. SCOTT NELSON 944 VANDERPERREN WAY GREEN BAY, WI 54304 (920) 366-2109

WIS. DEPT. OF TRANSPORTATION STATE TRAFFIC OPERATIONS MR. DON SCHELL 433 W ST. PAUL AVENUE, SUITE 300 MILWAUKEE, WI 53203 (414) 227-2148

WIS. DEPT. OF TRANSPORTATION STATE TRAFFIC OPERATIONS MR. DEAN BEEKMAN 433 W ST. PAUL AVENUE, SUITE 300 MILWAUKEE, WI 53203 (414) 227-2154

AFCOM MR. MATT LETOURNEAU 1555 N RIVERCENTER DRIVE, SUITE 215 MILWAUKEE, WI 53214 (312) 373-7627



PROJECT NO: 1517-75-77

HWY: USH 10

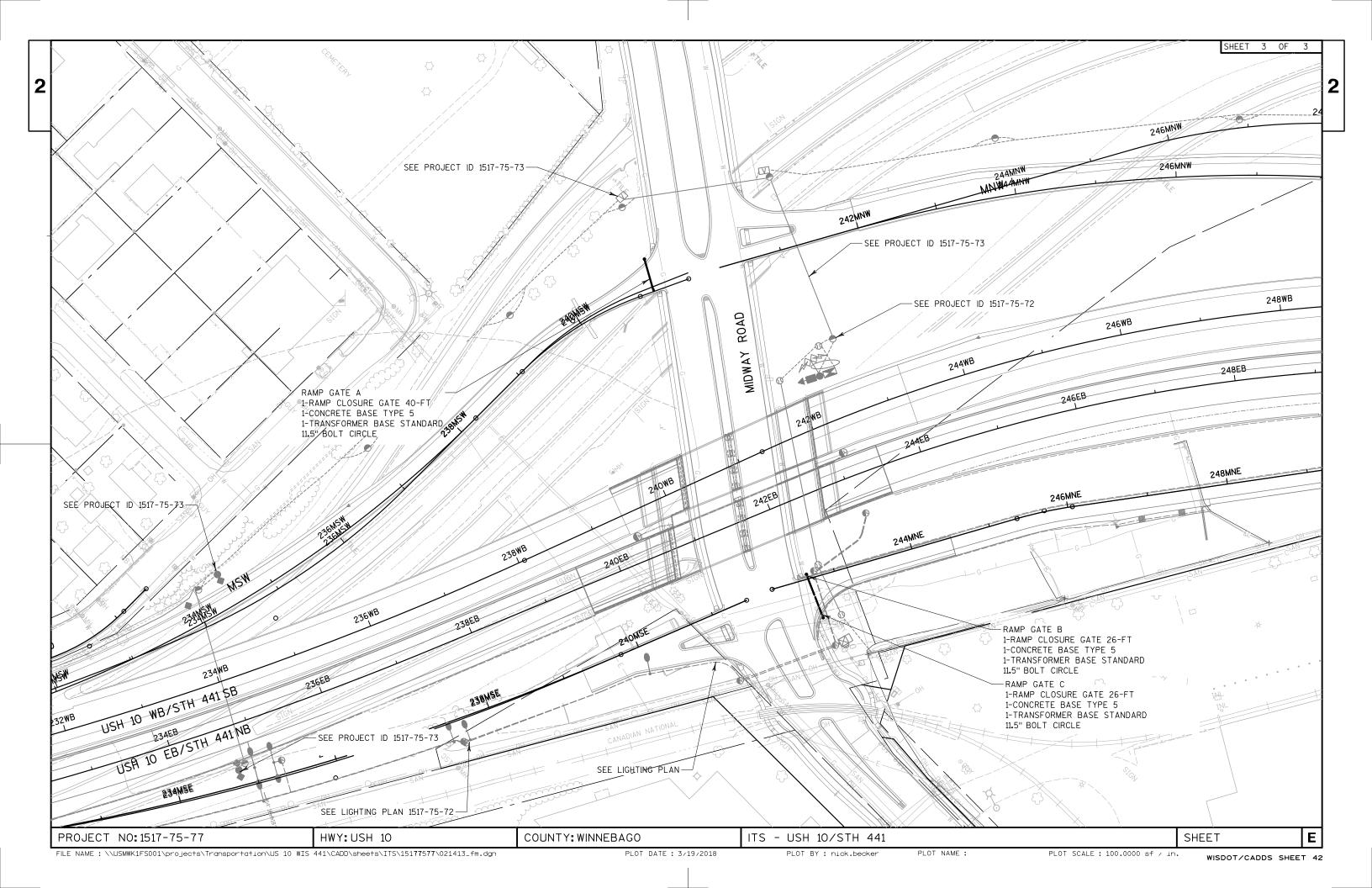
COUNTY: WINNEBAGO

ITS GENERAL NOTES

PLOT BY: nick.becker

SHEET

Ε



LIGHTING PLAN LEGEND

PROPOSED LIGHT POLE LOCATION

EXISTING LIGHT POLE BASE INSTALLED UNDER
A PREVIOUS CONTRACT

----- PROPOSED CONDUIT RIGID NONMETALLIC

---- EXISTING CONDUIT

PROPOSED 24"X42" NON-CONDUCTIVE PULL BOX

EXISTING 24"X42" LIGHTING PULL BOX (ELPBxx)

V, W
LJBXX

V = STATION, W= OFFSET
LJB= LIGHTING JUNCTION BOX EMBEDDED IN WALL
OR PARAPET, XX= PULL BOX NUMBER

V, W LPBXX

❶

V = STATION, W= OFFSET LPB= LIGHTING PULL BOX, XX= PULL BOX NUMBER STATION OFFSET (LT/RT)

150EB+21, 26'RT

LED-C - 12 - 7 - 17 - A/B - SL101

* LAMP TYPE CIRCUIT NUMBER

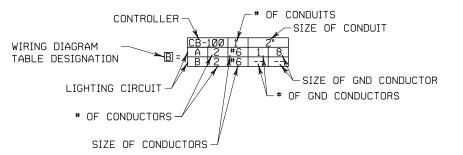
* MAST ARM LENGTH POLE TYPE *

* THESE VALUES ARE NOT INCLUDED IN CALLOUT WHEN UNDERGROUND ONLY LIGHTING MATERIALS ARE PROPOSED

* * STR - POLE BASE IS PART OF A STRUCTURE

M7 - MEDIAN TYPE 7 BASE

EX - EXISTING BASE INSTALLED UNDER A PREVIOUS CONTRACT



DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

LIGHTING GENERAL NOTES

- 1. VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
- 2. ALL NEW CONDUITS, CABLE DUCTS, DIRECT BURIAL CABLES, AND ACCESSORIES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE FNIGNEER
- 3. PERFORM THE ELECTRICAL WORK IN ACCORDANCE WITH WISDOT LATEST STANDARDS, THE SPECIAL PROVISIONS AND APPLICABLE SECTIONS OF THE WISDOT STANDARD SPECIFICATIONS (LATEST EDITION).
- 4. INSTALL ALL FOUNDATIONS IN ORDER FOR THE PROPOSED AND FUTURE LUMINAIRES TO BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER.
- 5. INSTALL CONDUITS AT A MINIMUM 24" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. INCREASE DEPTH OF DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST. COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- 6. ALL CONDUIT USED FOR BORED CABLE RUNS UNDER PAVEMENTS SHALL BE POLYVINYL CHLORIDE (PVC), SCHEDULE 40 IN CONFORMANCE WITH SECTION 652.2.3 OF THE WISDOT SPECIFICATIONS.
- 7. CAP CONDUIT ON BOTH ENDS UNTIL CABLING IS PLACED. FURNISH AND INSTALL A MANUFACTURER APPROVED CAP FOR ALL CONDUITS. DUCT TAPE AND OTHER TAPE IS NOT ACCEPTABLE MEANS OF CONDUIT CAP. EXTEND CONDUIT ONE FOOT BEYOND THE BACK OF CURB EDGE OR TWO FEET BEYOND SHOULDER IF NO CURB.
- 8. FURNISH AND INSTALL CABLE PULL STRINGS OR WIRES IN ALL CONDUITS. PULL WIRES MUST BE ACCESSIBLE AND ANCHORED AT EACH CONDUIT END FOR EASY FUTURE ACCESS.
- 9. PITCH ALL CONDUIT TOWARD PULLBOXES, A 2" DRAIN DUCT TO DITCH OR STORM SEWER REQUIRED FOR ALL PULL BOXES IN LOW POINTS, THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.
- 10. ALL POLES ON BREAKAWAY BASES SHALL BE PLACED A MINIMUM OF 12-FEET FROM THE EDGE OF THE OUTSIDE TRAVEL LANE. ALL LIGHTS PLACED BEHIND GUARDRAIL SHALL BE PLACED A MINIMUM OF 4-FEET BEHIND THE FACE OF GUARDRAIL.
- 11. LIGHTING SYMBOLS ARE ENLARGED FOR CLARITY, USE CENTER OF SYMBOL TO LOCATE EQUIPMENT IN THE FIELD.

LIGHTING PLANS PREPARED BY:

1555 N RiverCenter Drive, Suite 214
Milwaukee, WI 53212
(414) 944-6080

MOHAMMED A A

ELSHOLI
E-37874-6
ORLAND HILLS
ILLINOIS
ILLINOIS
ON A L
ILLINOIS
(Signature)

PROJECT NO: 1517-75-77

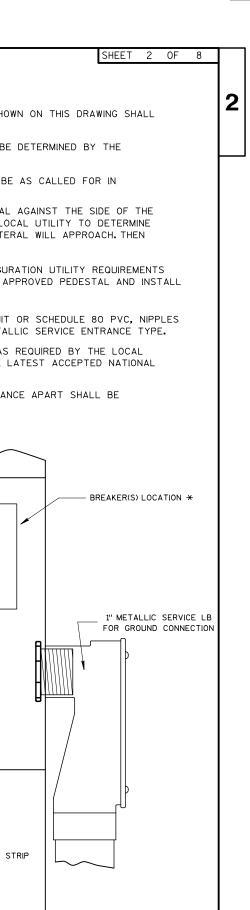
HWY: USH 10

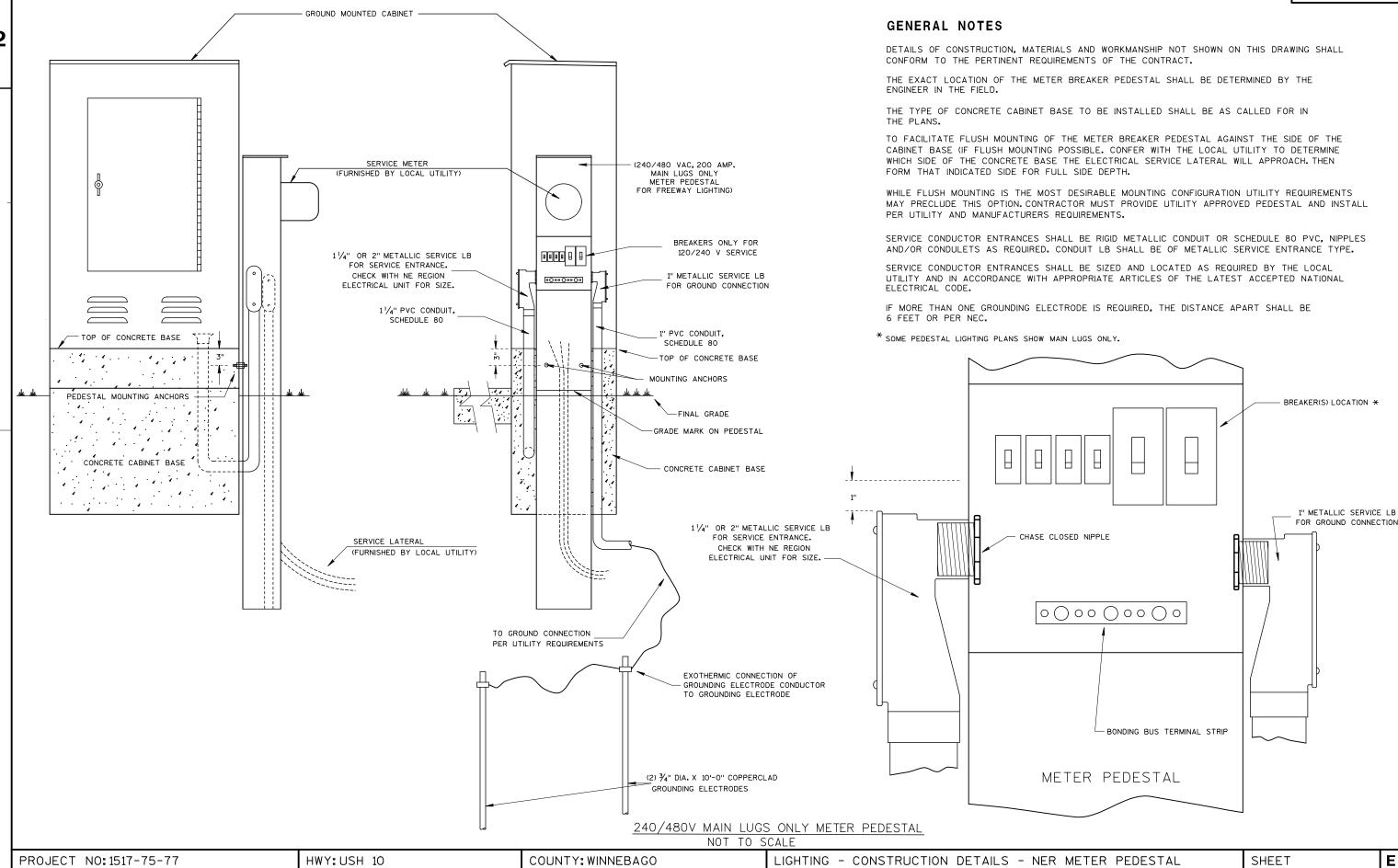
COUNTY: WINNEBAGO

LIGHTING PLAN - TITLE SHEET

SHEET

ET **E**





240/480 VOLT, 1-PHASE SERVICE PEDESTAL- MIDWAY ROAD LOCATION: STA: 24MWB+41, 60'LT

L70-2035 FREEWAY LIGHTING CABINET (CB-200)

				EI	ectrical	Pan	el:	CB-20	00				
Rating: 200A FREEWAY LIGHTING CABINET PANELBOARD													
Voltag Feede Main	er Condu		0 Volts, _1 Phase3 Wire 4/0AWG : 2P							MIDWA	' ROAD		
Ckt	Brkr Amps	Brkr Poles 1 or 2	Description	V	Α	Α	В	VA		Description	Brkr Poles 1 or 2	Brkr Amps	Ckt
1	30	2	CIRCUITA	454		X		454		CIRCUIT B	2	30	2
3					454	V	X		454				4
5 7	30	2	CIRCUIT C			X	X			CIRCUIT D	2	30	6 8
9	30	2	CIRCUITE			Х				CIRCUIT F	2	30 -	10
11	30	2	CIRCUITE				Х			CIRCUIT			12
13	30	2	SPARE			Χ				SPARE	2	30	14
15							X						16
17	30	2	SPARE			Х				SPARE	2	30	18
19							X						20
21	30	2	SPARE			Χ				SPARE	2	30	22
23		_	51 711 C				X			or Atte			24
25	20	1	CONTROL POWER	250		Χ				SPARE	1	20	26
27	20	1	CONTROL POWER		250		Х			SPARE	1	20	28
29	20	1	SPARE			Х				SPARE	1	20	30
			TOTALS	704	704			454	454	TOTALS			
BUS A: BUS B: LOAD:		1158 1158 2316	58 4.8 LINE AMPS										

NOTES:

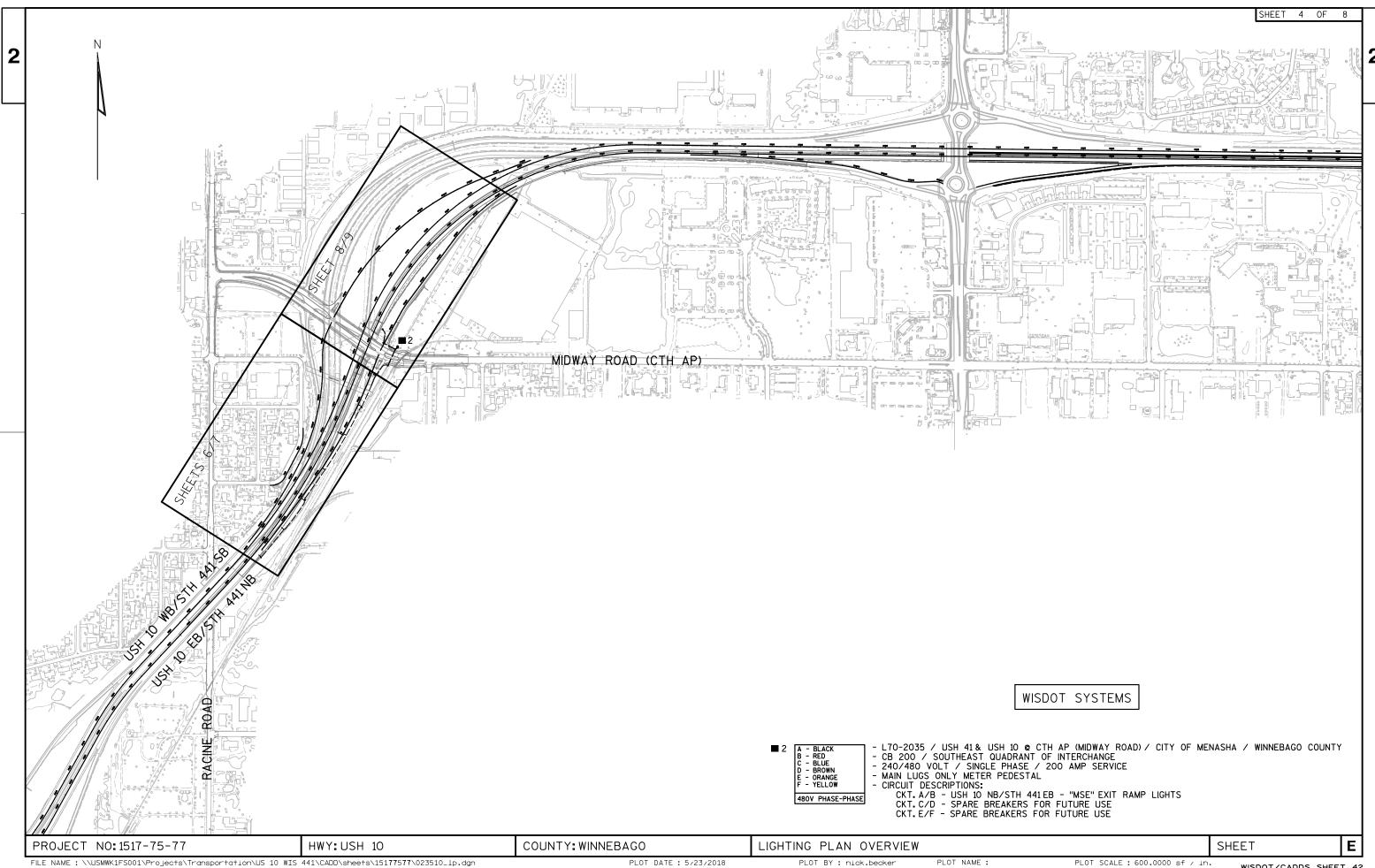
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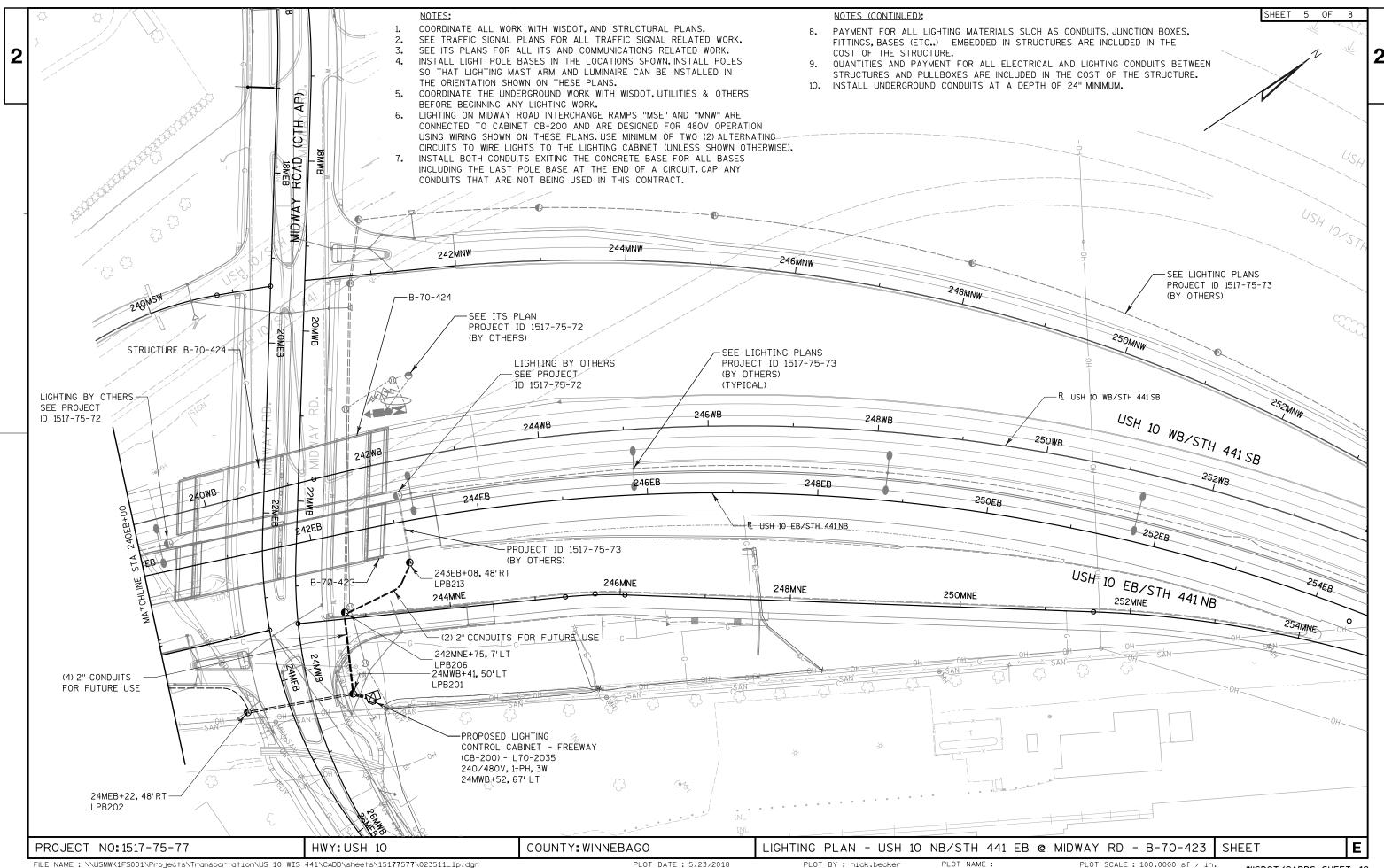
- LOADS SHOWN ARE FOR INFORMATION ONLY AND WILL VARY BY FIXTURE AND MANUFACTURER.
- 2. PROVIDE AND INSTALL ALL ADDITIONAL SPARE CIRCUIT BREAKERS AS SHOWN ON THE WISDOT CONTROL CABINET DETAIL, FOR FUTURE USE.
- 3. ONLY STREET LIGHTING LOAD IS SHOWN ON THE PANELBOARD SCHEDULE. OTHER MISCELLANEOUS LOADS SUCH AS TRANSFORMER, LIGHT FIXTURE, SWITCHES, ETC.. MIGHT ALSO BE FED FROM THE PANELBOARD.

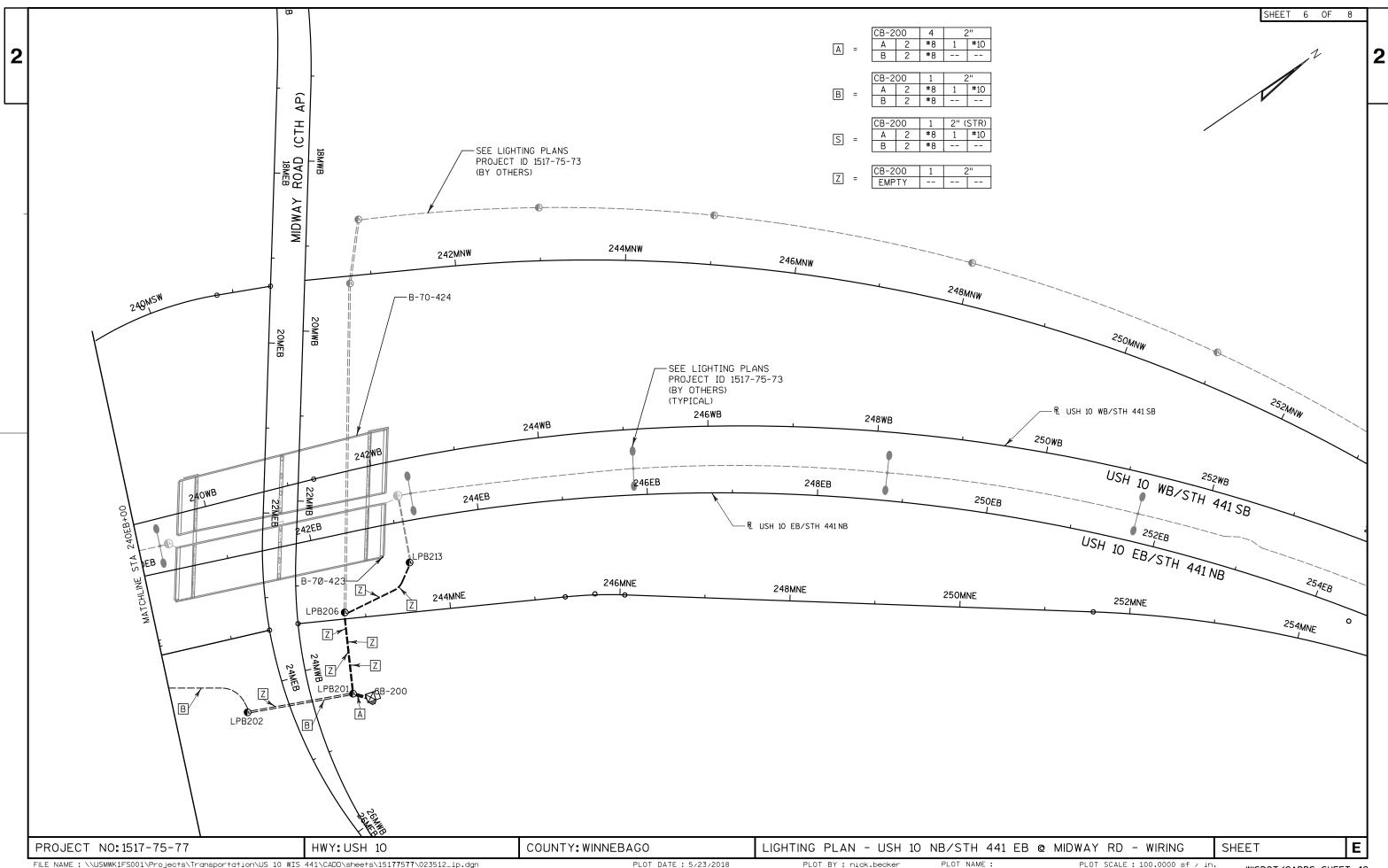
LIGHTING - CONSTRUCTION DETAILS - LOAD SCHEDULES SHEET

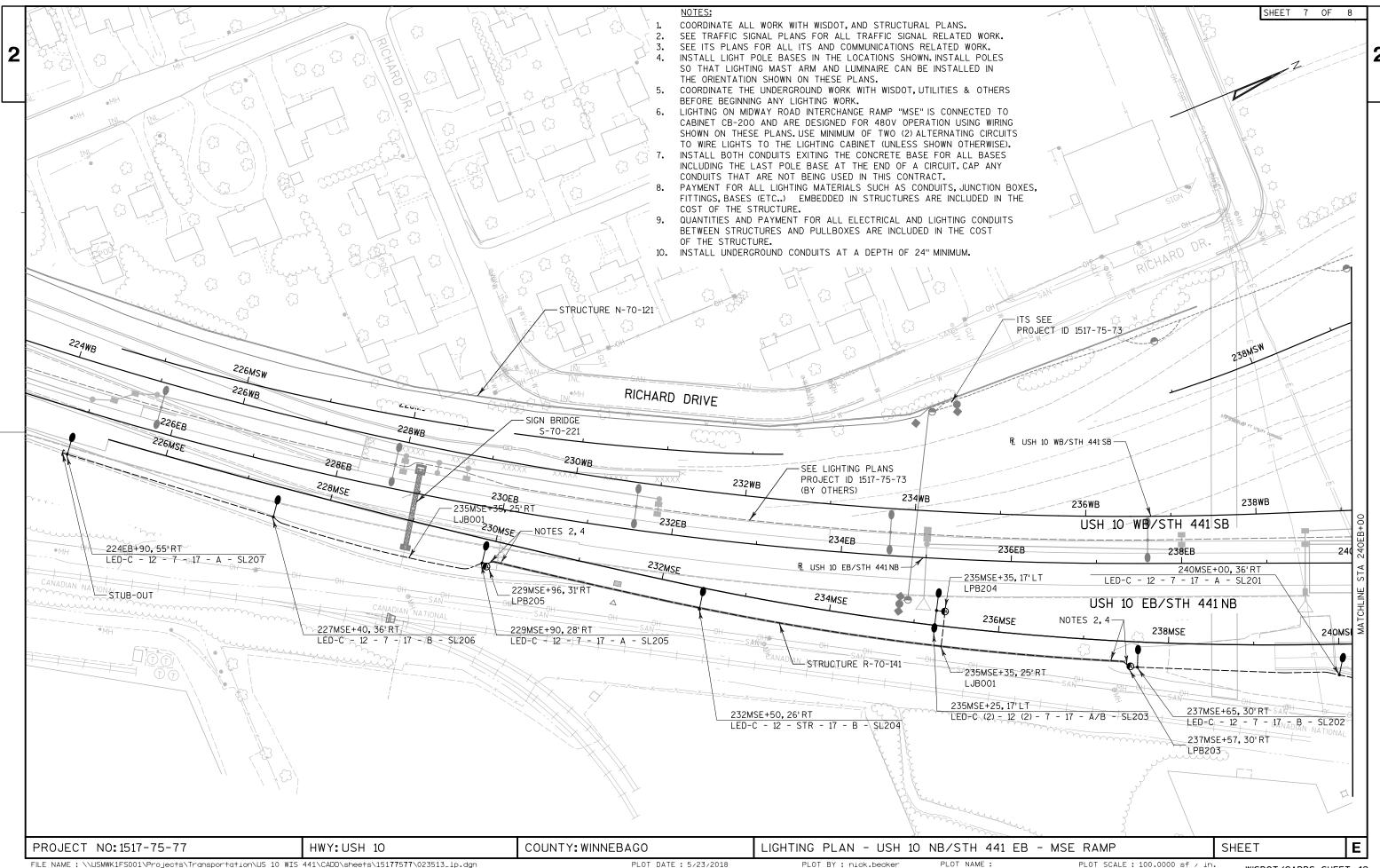
HWY: USH 10

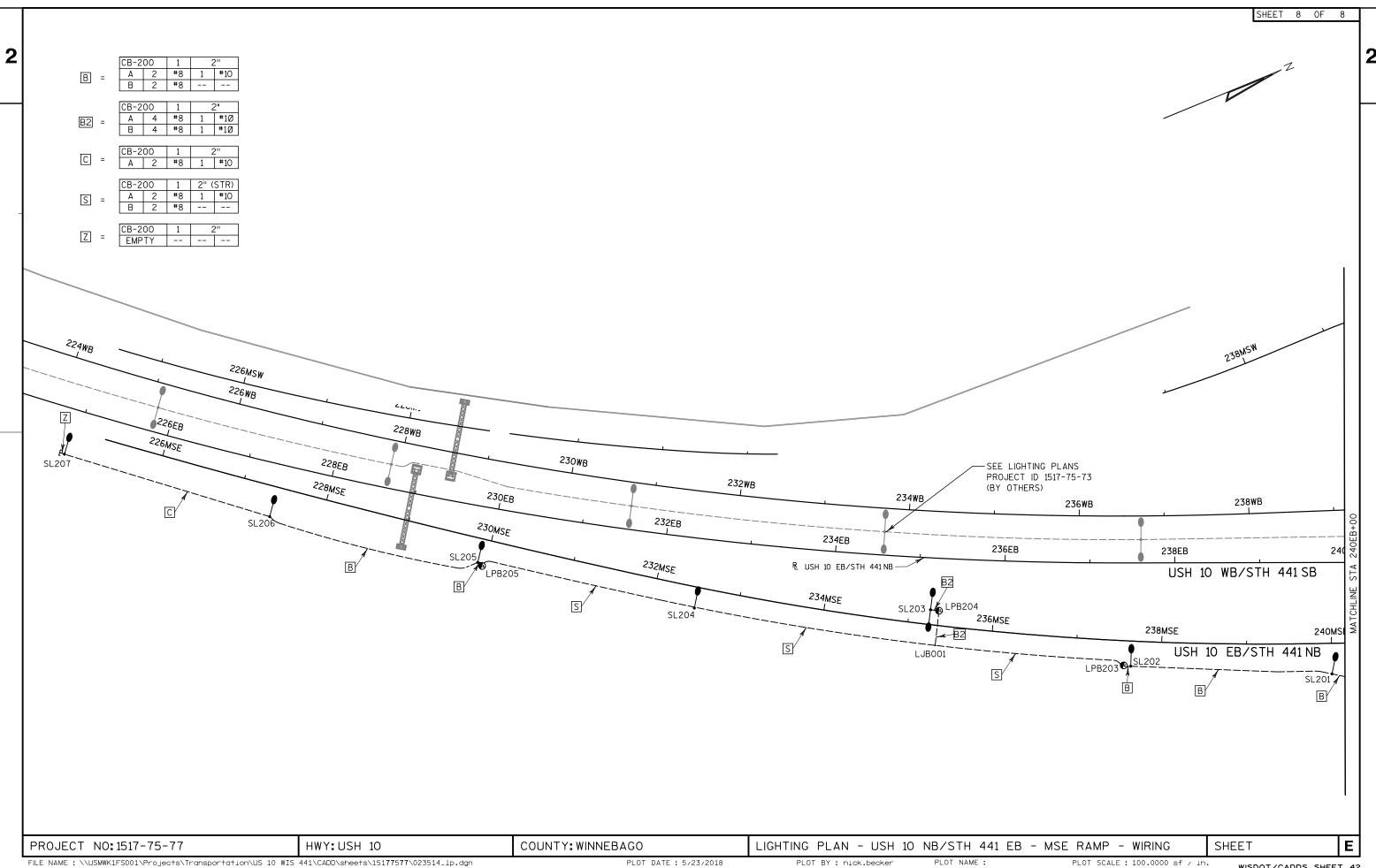
COUNTY: WINNEBAGO

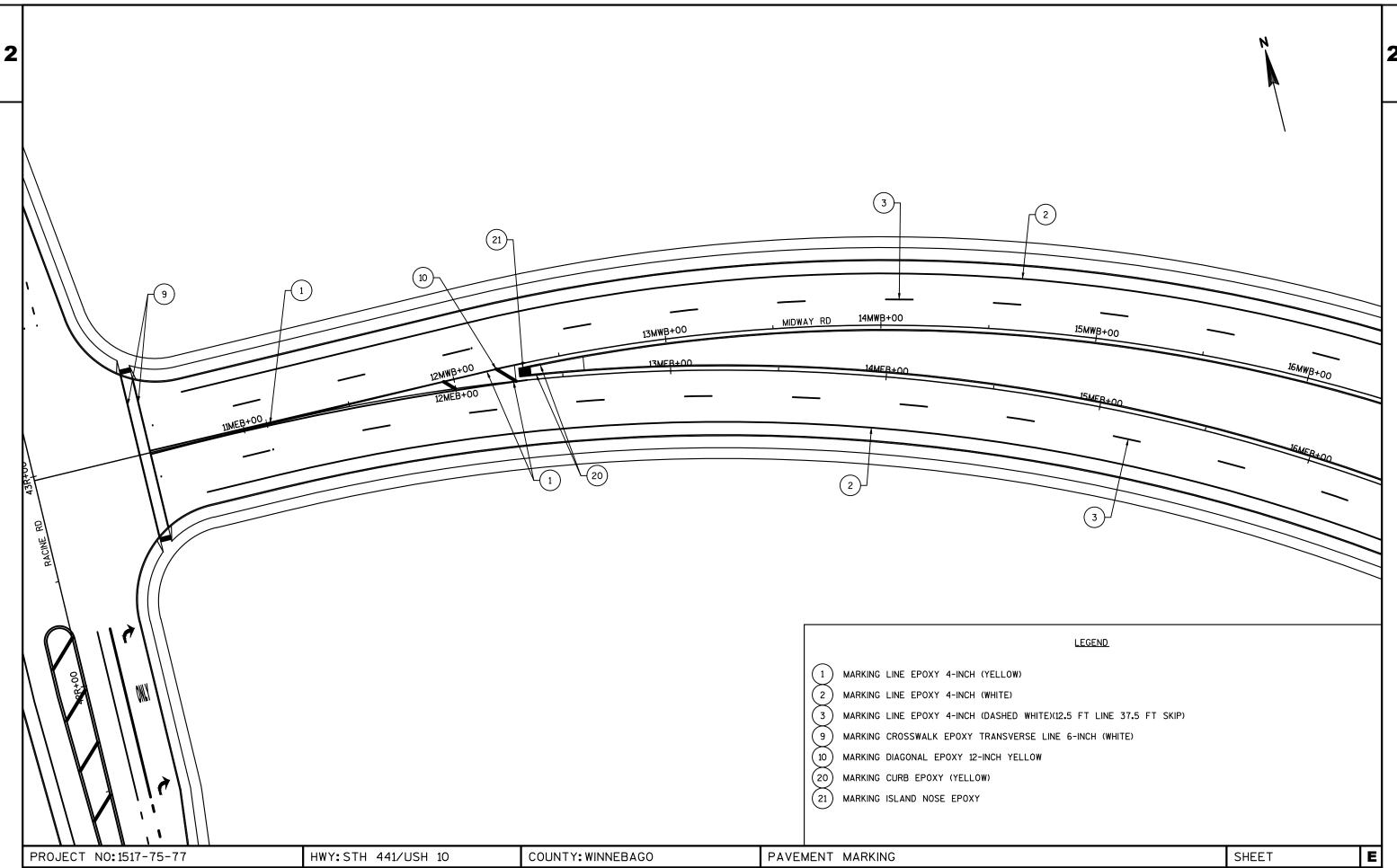


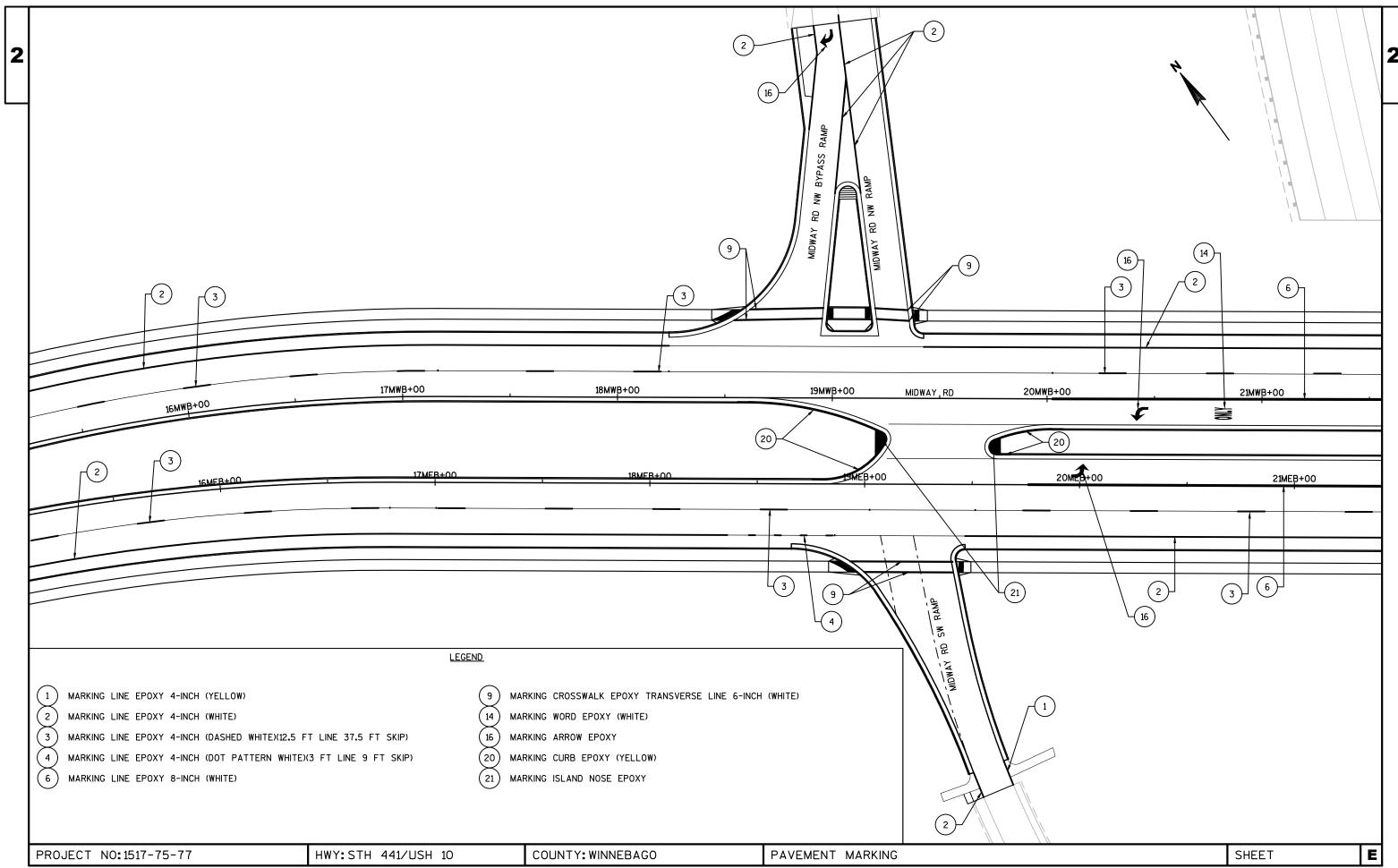


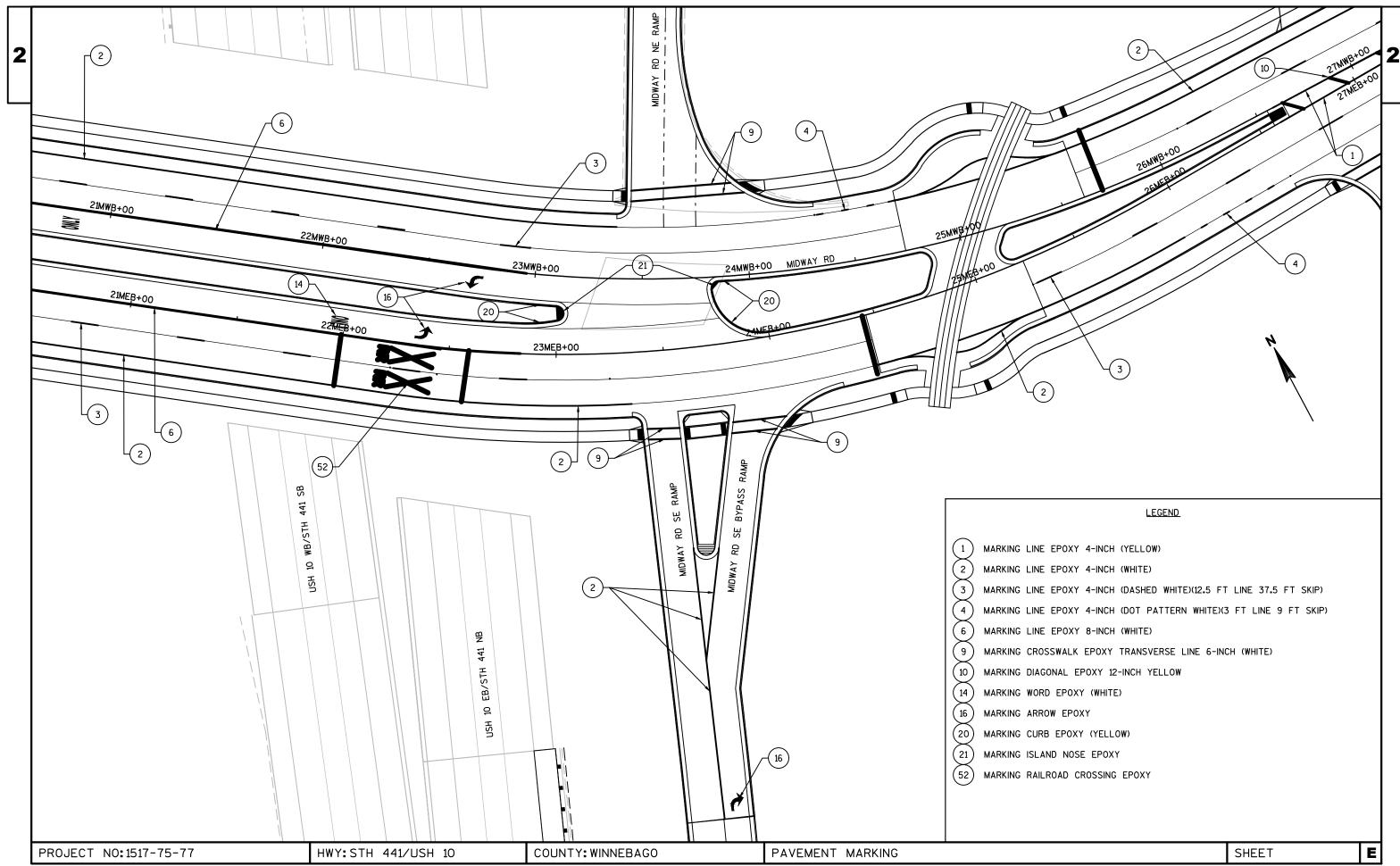


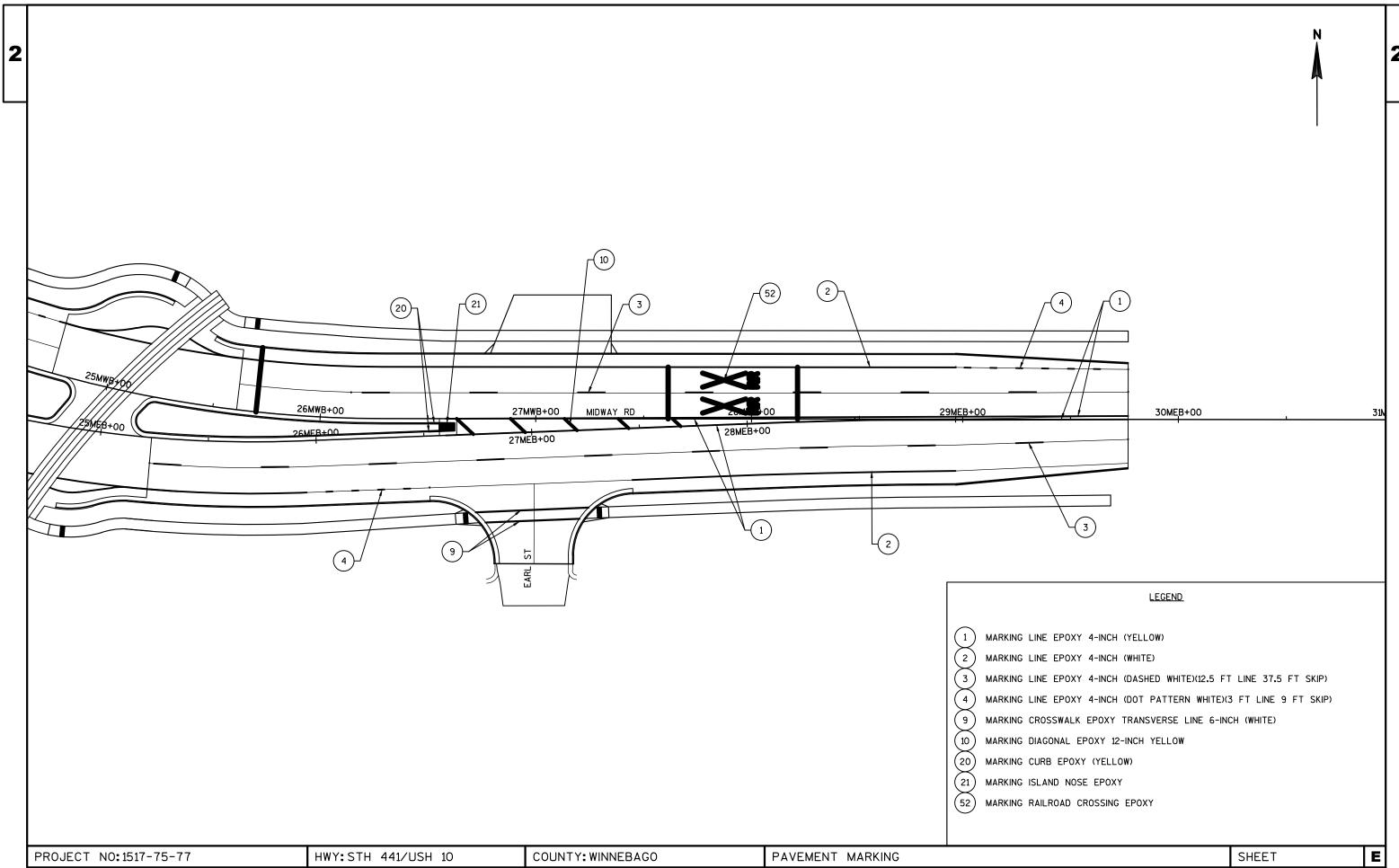




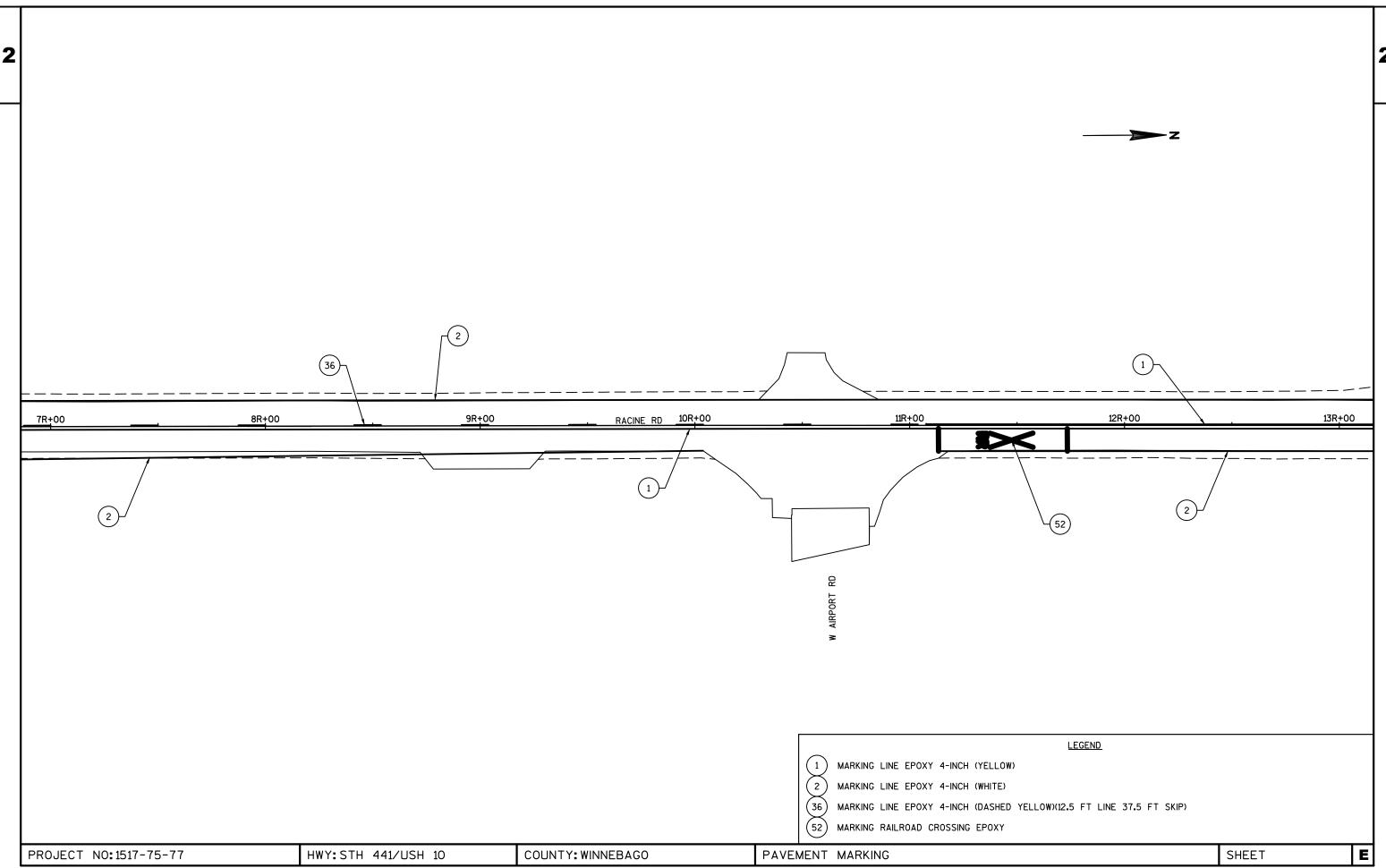


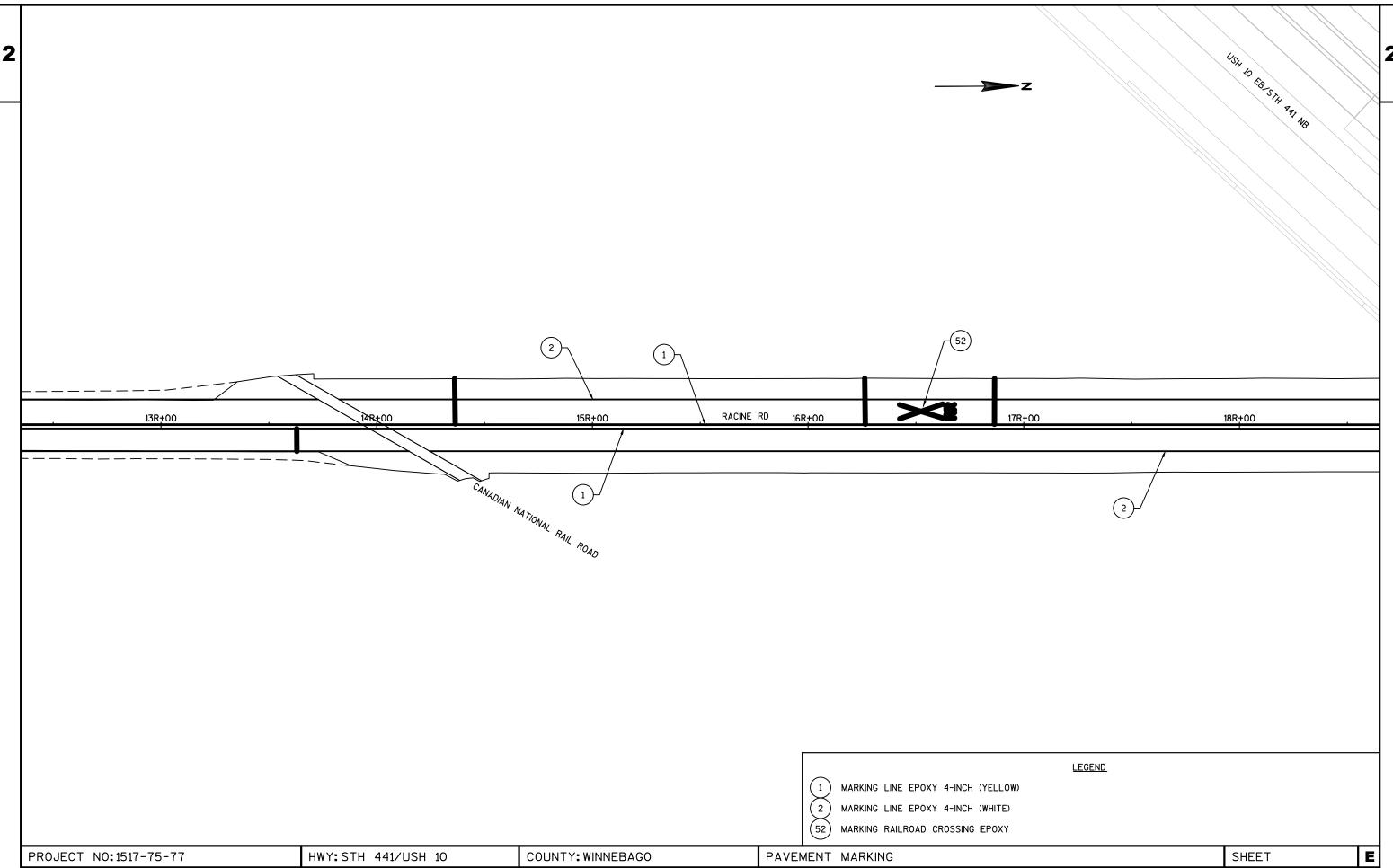


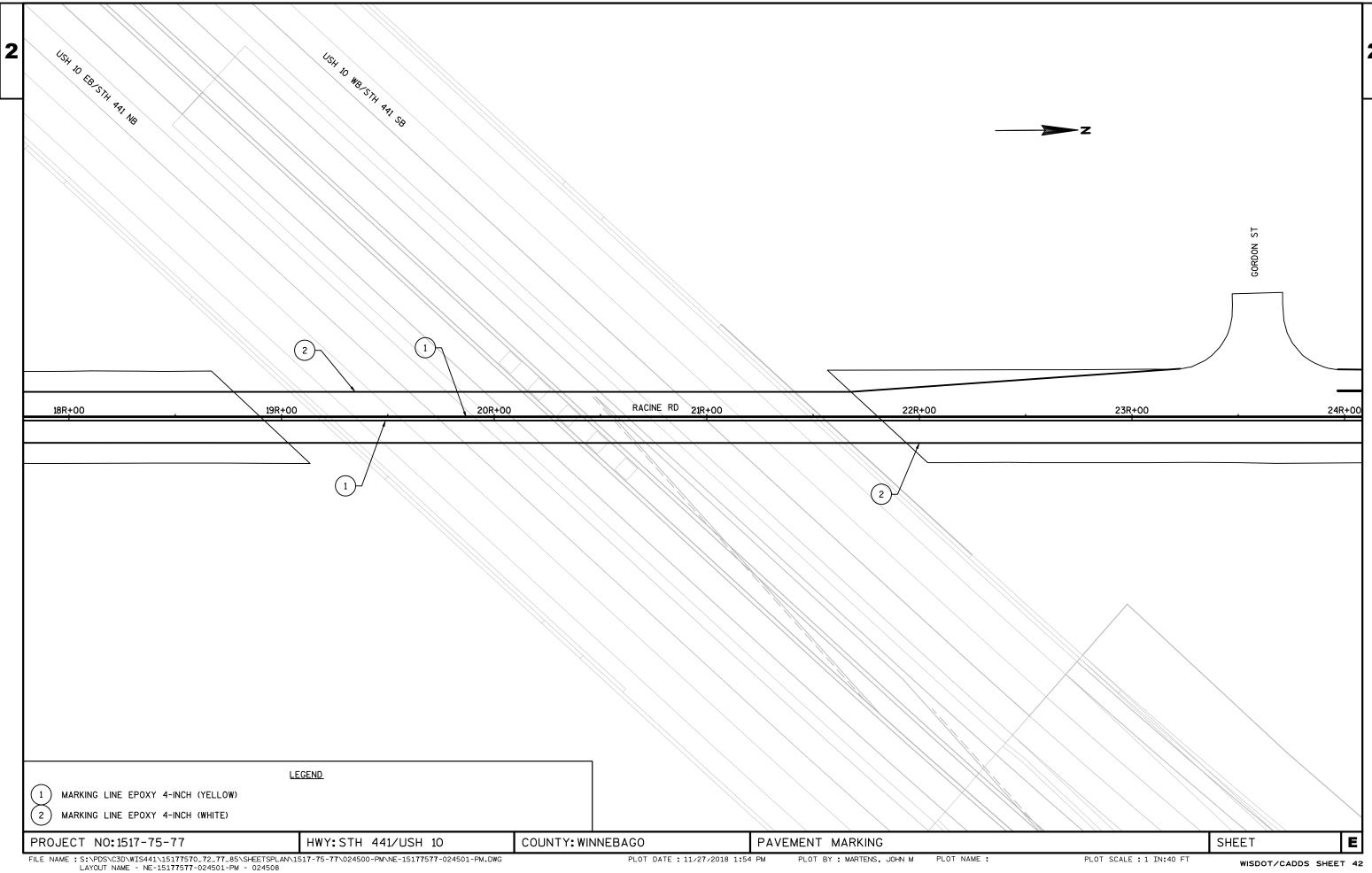


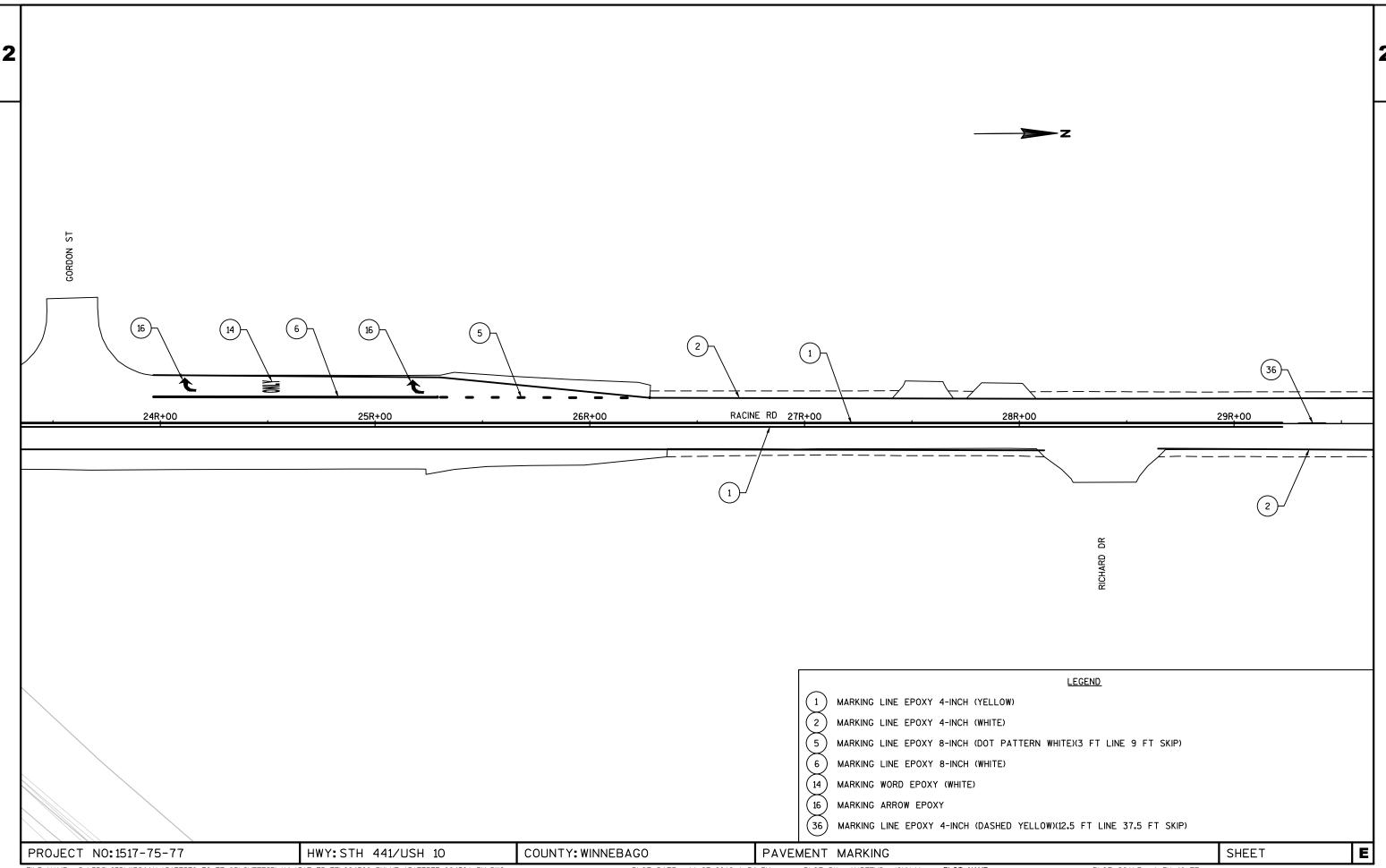


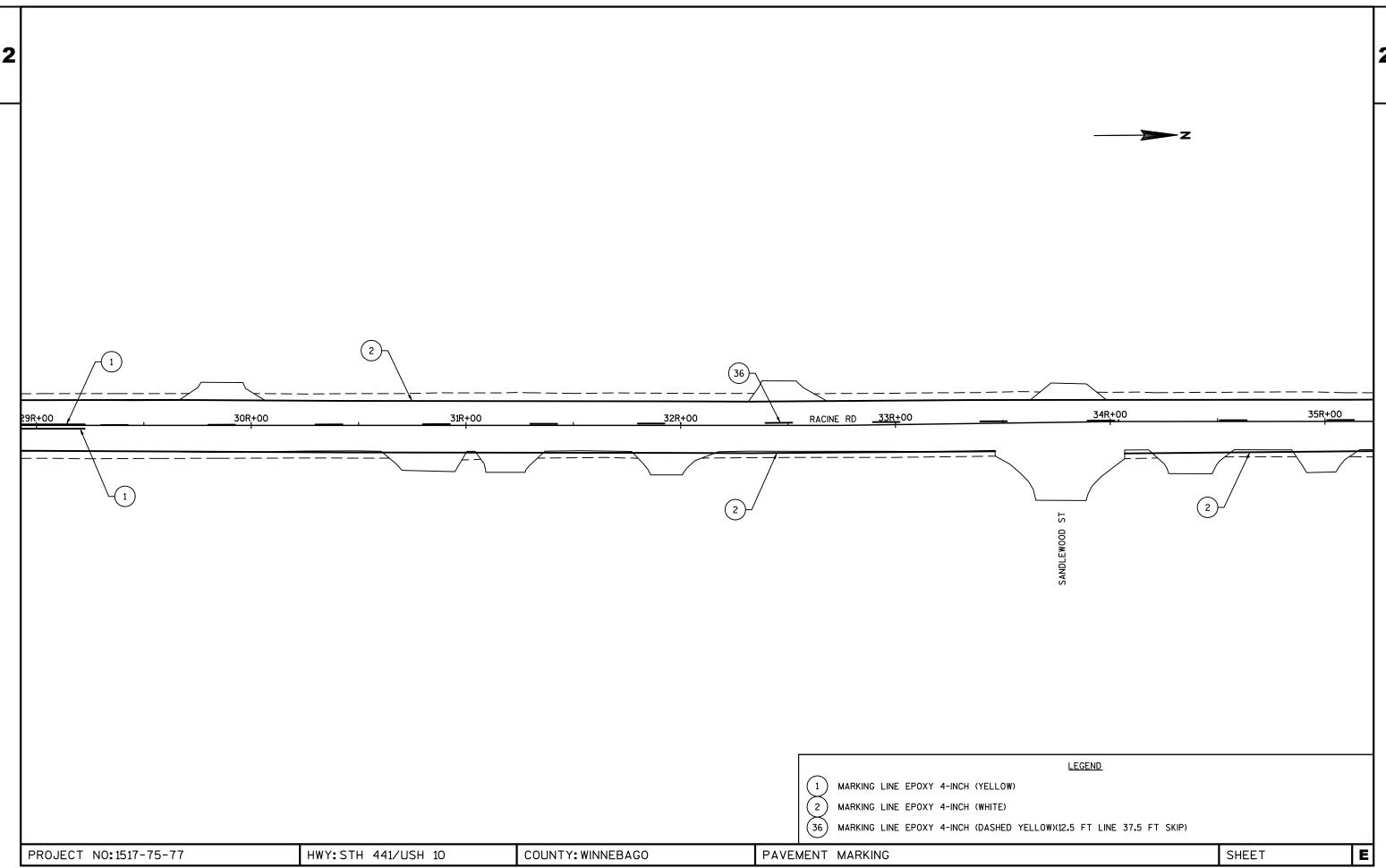
					— ≥ Z
				<u>(2)</u>	
		4R+00		6R+00	
		1	36		
			1) MARKING LINE EPOXY 4-INCH (YELL	LEGEND .OW)	
PROJECT NO: 1517-75-77	HWY:STH 441/USH 10	COUNTY: WINNEBAGO	2 MARKING LINE EPOXY 4-INCH (WHITE	E) HED YELLOW)(12.5 FT LINE 37.5 FT SKIP)	SHEET E

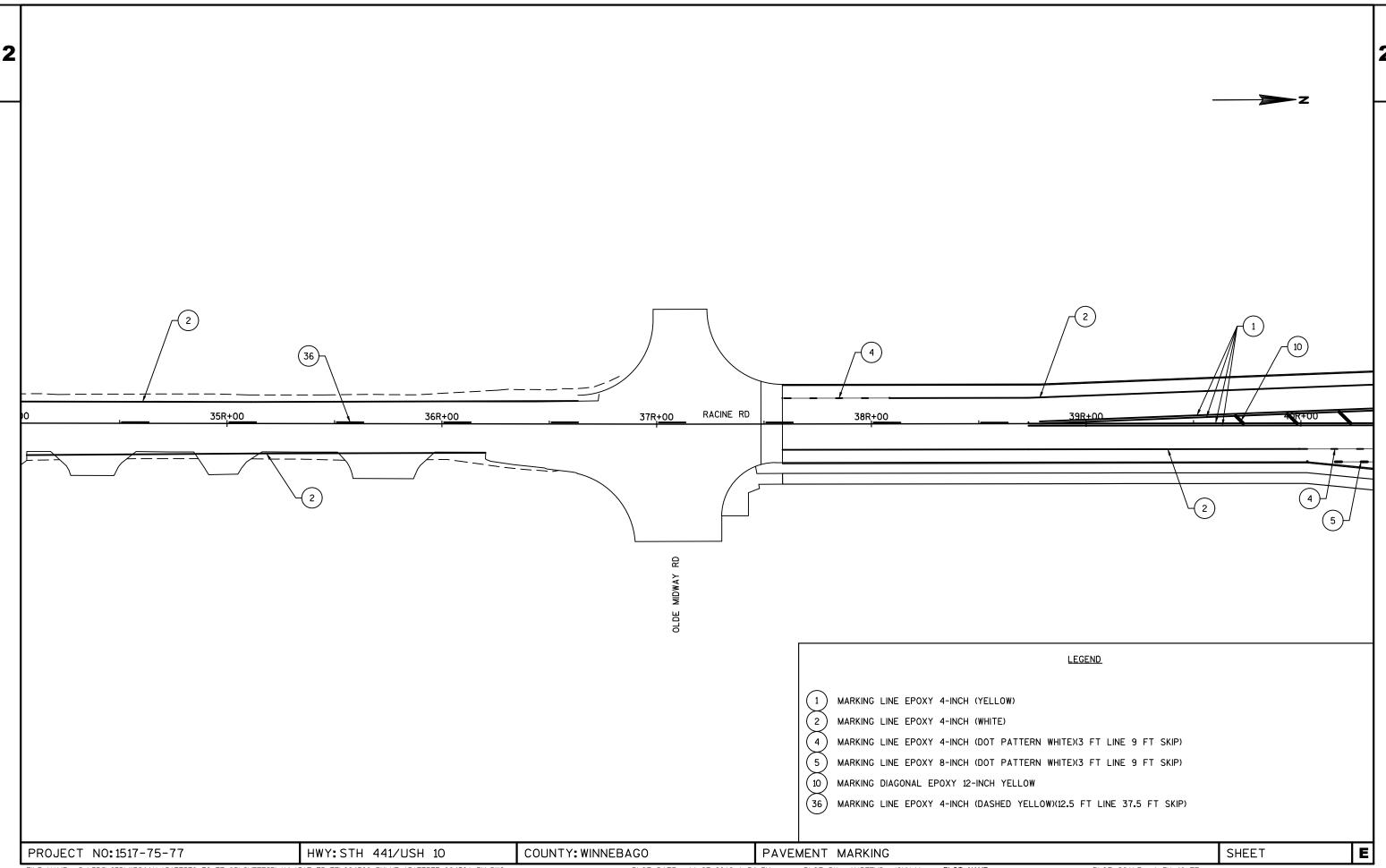


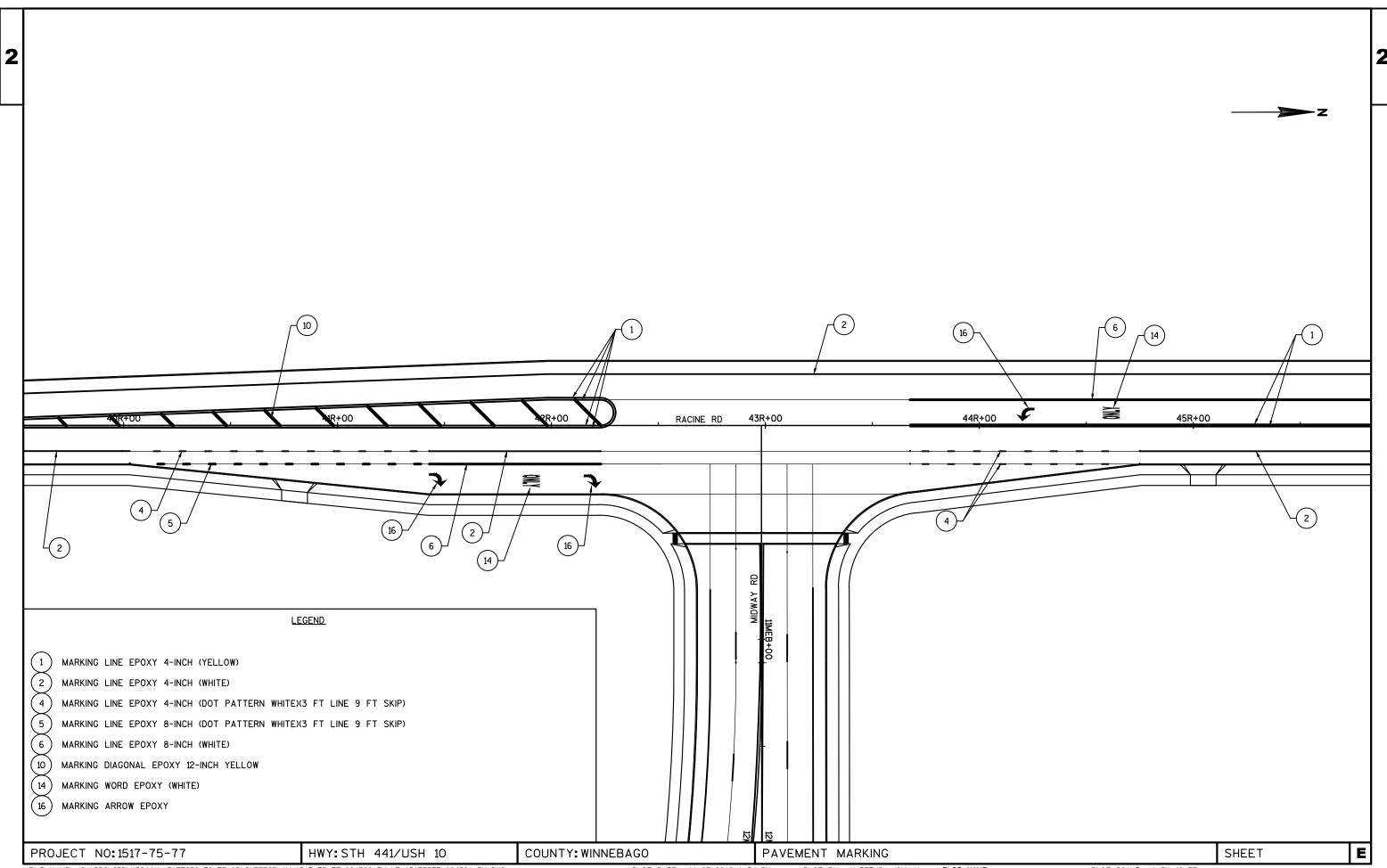


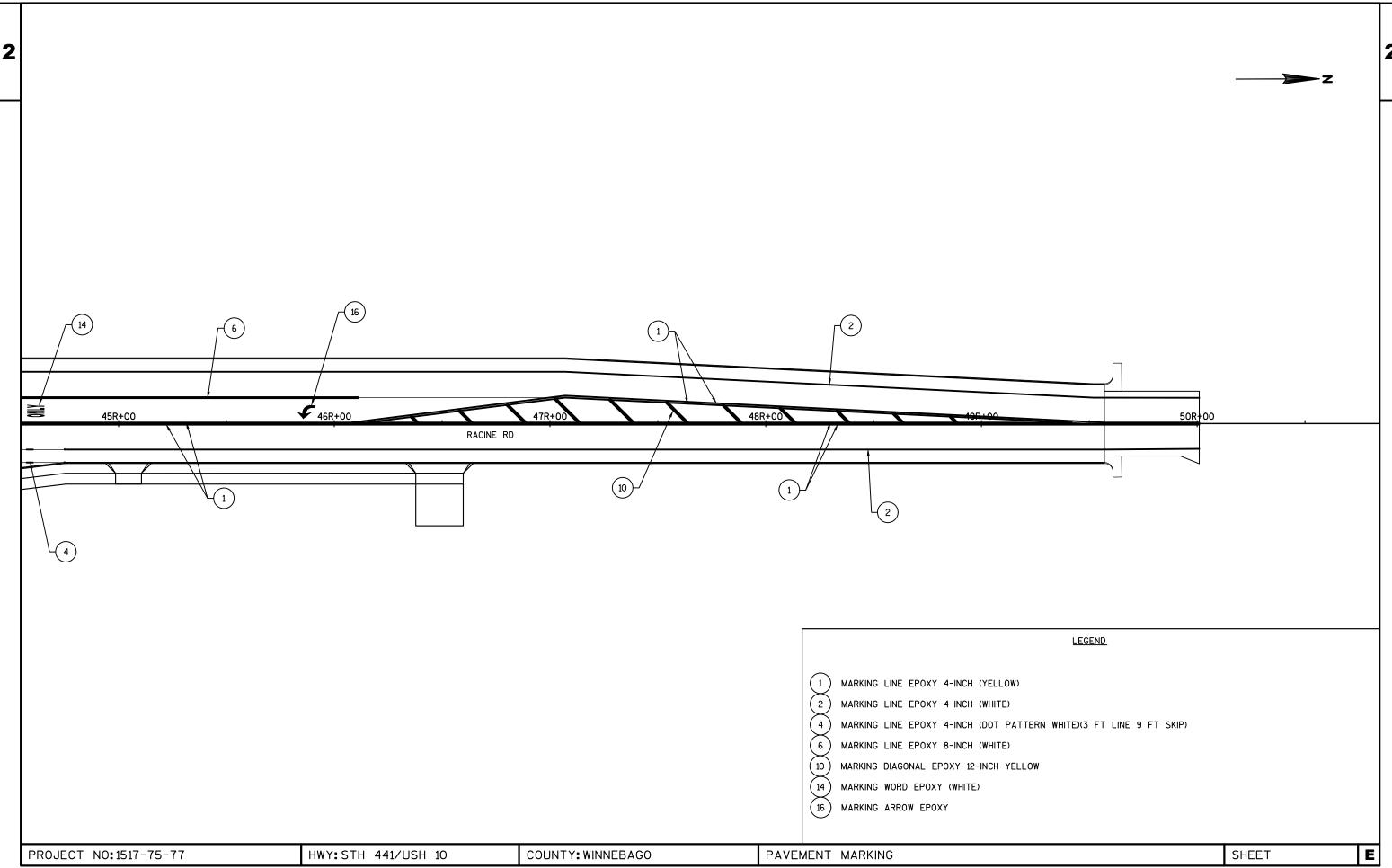


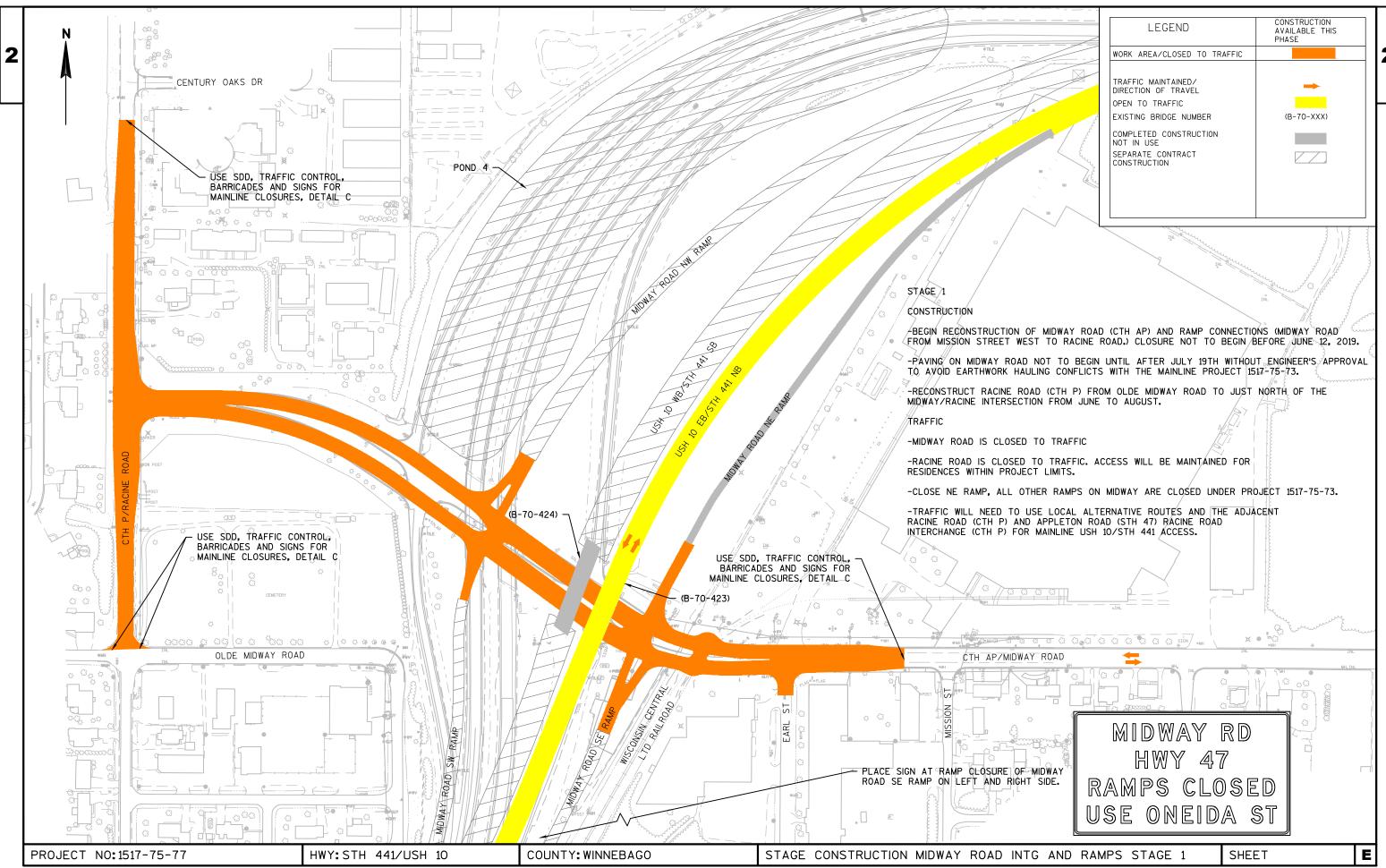


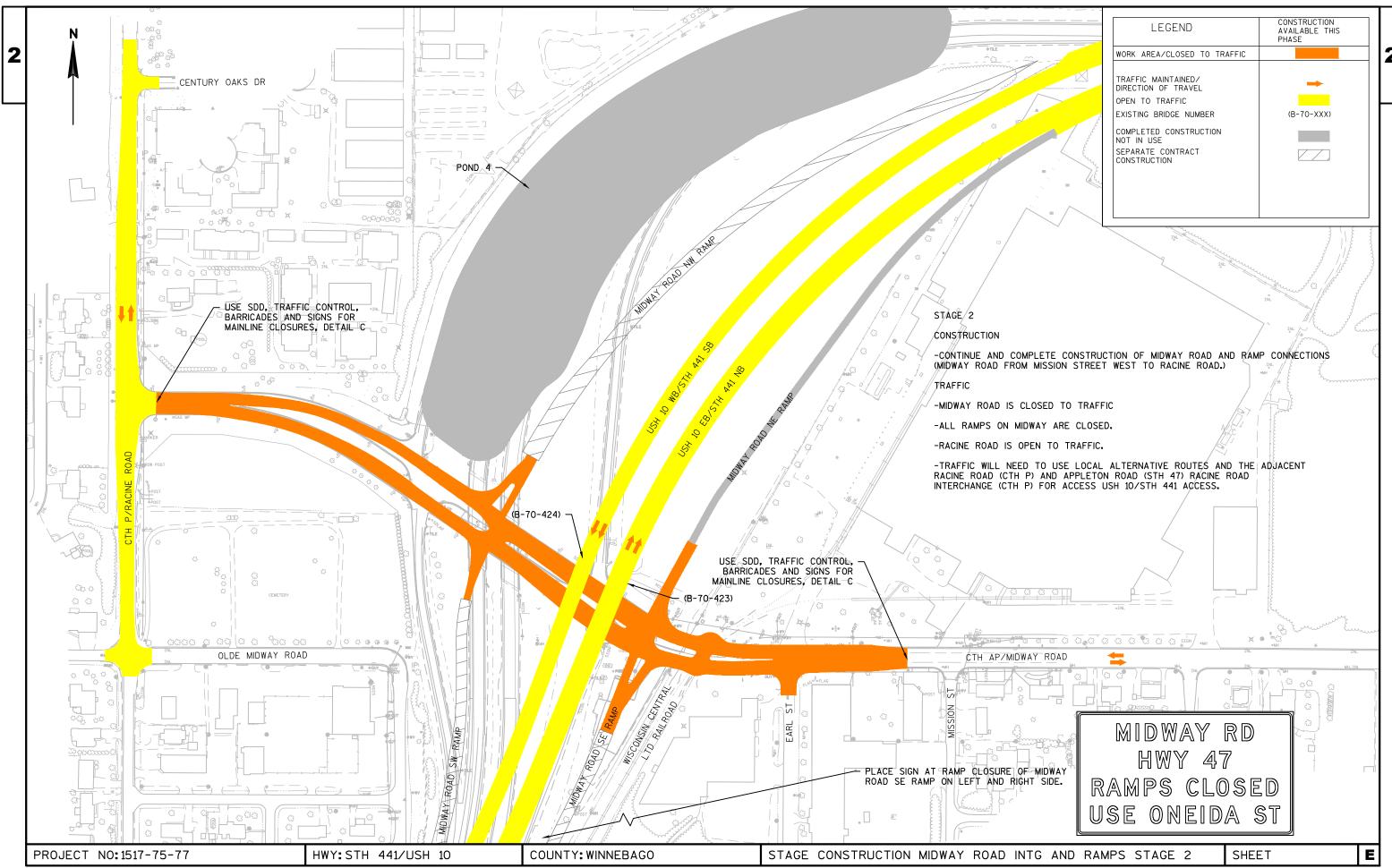


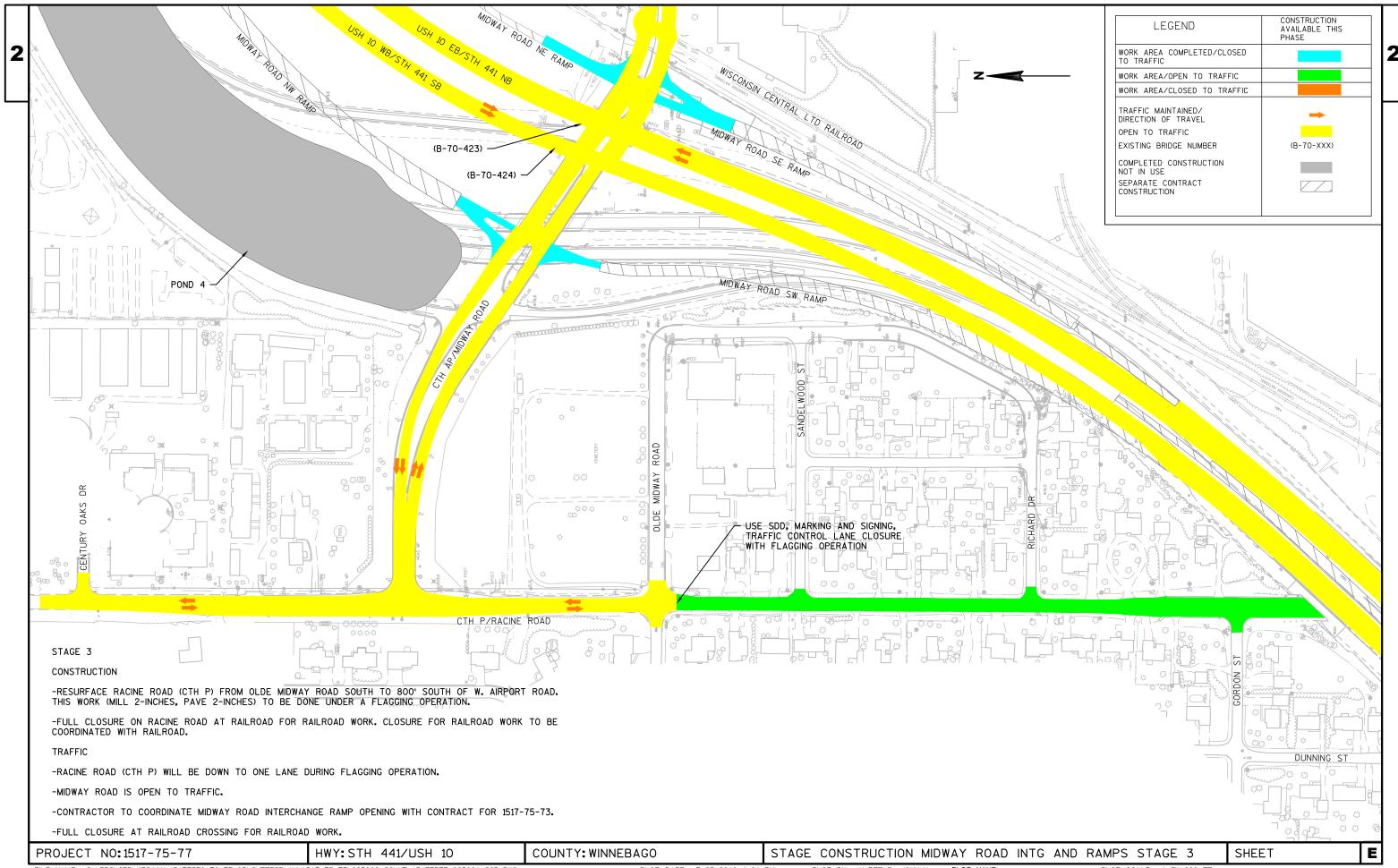












STAGE 3

CONSTRUCTION

-RESURFACE RACINE ROAD (CTH P) FROM OLDE MIDWAY ROAD SOUTH TO 800' SOUTH OF W. AIRPORT ROAD. THIS WORK (MILL 2-INCHES, PAVE 2-INCHES) TO BE DONE UNDER A FLAGGING OPERATION.

-FULL CLOSURE ON RACINE ROAD AT RAILROAD FOR RAILROAD WORK. CLOSURE FOR RAILROAD WORK TO BE COORDINATED WITH RAILROAD.

TRAFFIC

-RACINE ROAD (CTH P) WILL BE DOWN TO ONE LANE DURING FLAGGING OPERATION.

- -MIDWAY ROAD IS OPEN TO TRAFFIC.
- -CONTRACTOR TO COORDINATE MIDWAY ROAD INTERCHANGE RAMP OPENING WITH CONTRACT FOR 1517-75-73.
- -FULL CLOSURE AT RAILROAD CROSSING FOR RAILROAD WORK.

LEGEND

CONSTRUCTION
AVAILABLE THIS
PHASE

WORK AREA COMPLETED/CLOSED
TO TRAFFIC

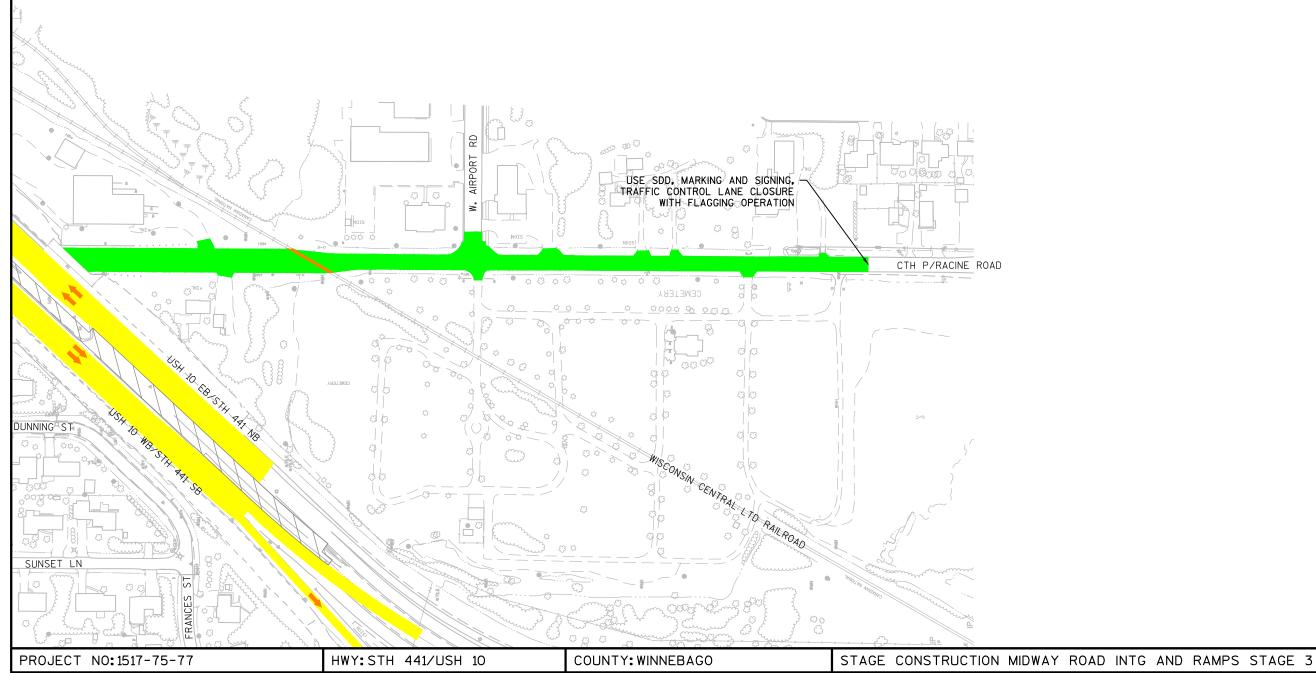
WORK AREA/OPEN TO TRAFFIC

WORK AREA/CLOSED TO TRAFFIC

TRAFFIC MAINTAINED/
DIRECTION OF TRAVEL
OPEN TO TRAFFIC

EXISTING BRIDGE NUMBER

COMPLETED CONSTRUCTION
NOT IN USE
SEPARATE CONTRACT
CONSTRUCTION



FILE NAME : S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\025000-SC\NE-15177577-025001-SC3.DWG LAYOUT NAME - 025001-sc3-2

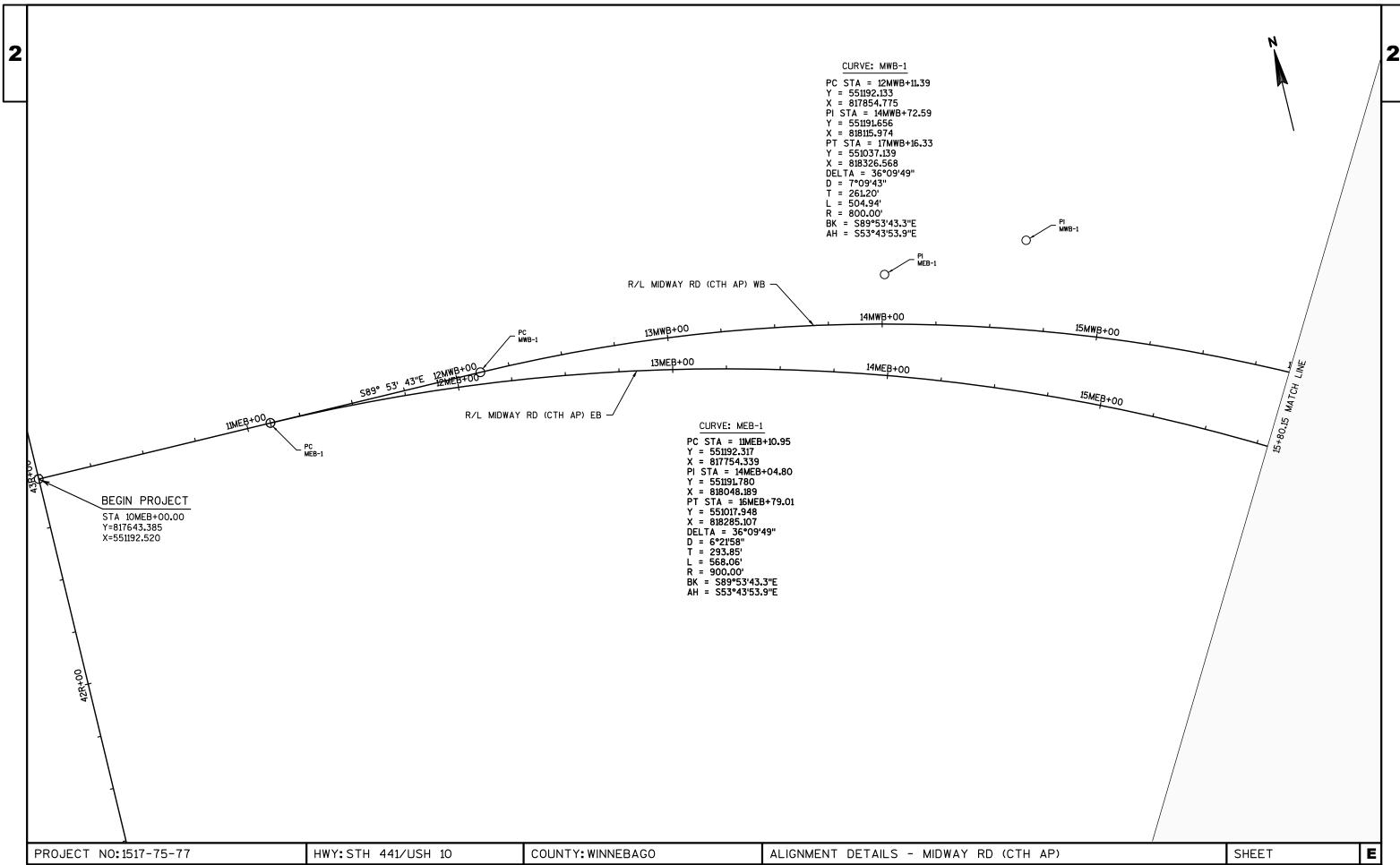
PLOT DATE : 7/23/2018 4:01 PM

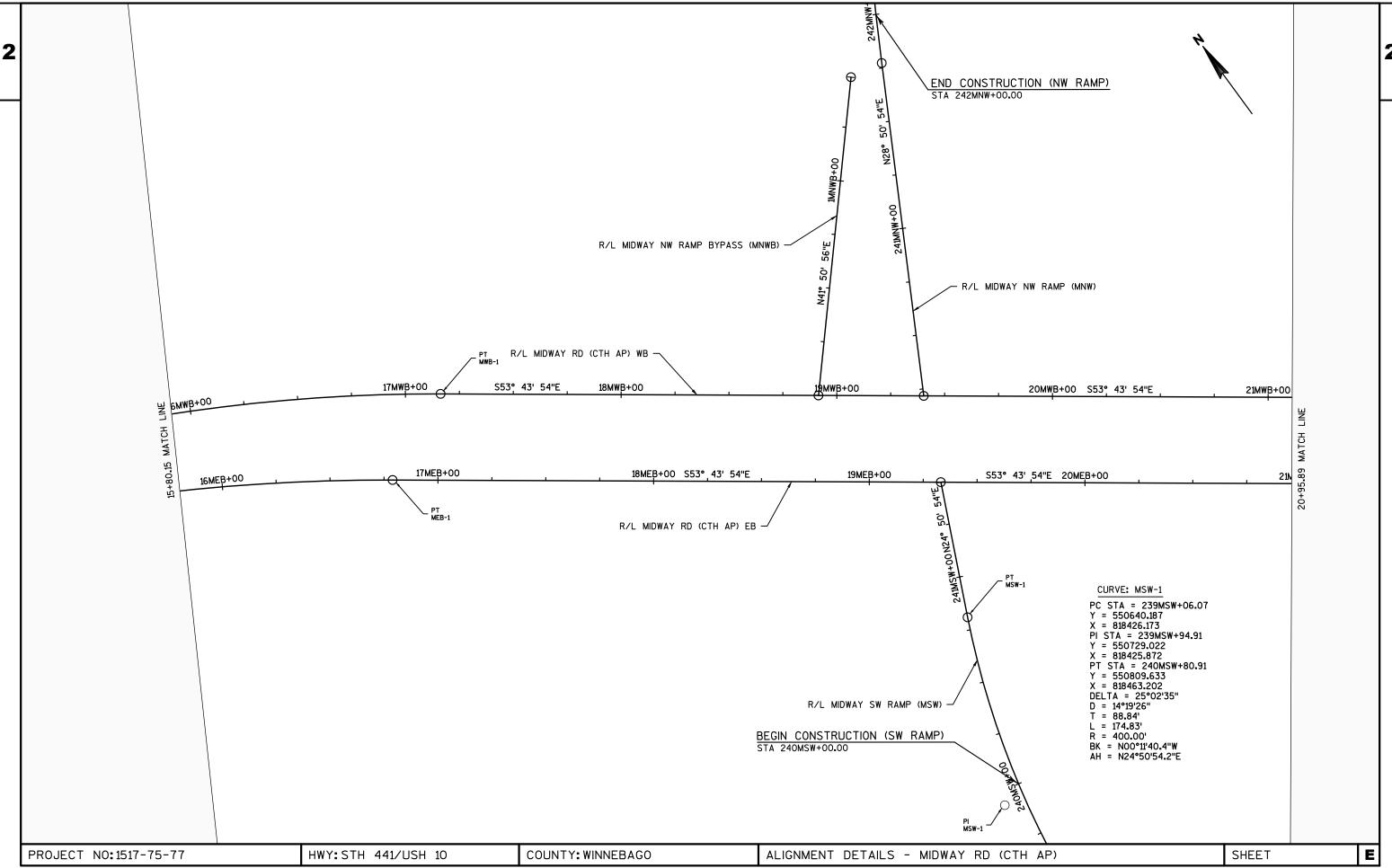
PLOT BY : MARTENS, JOHN M PLOT NAME :

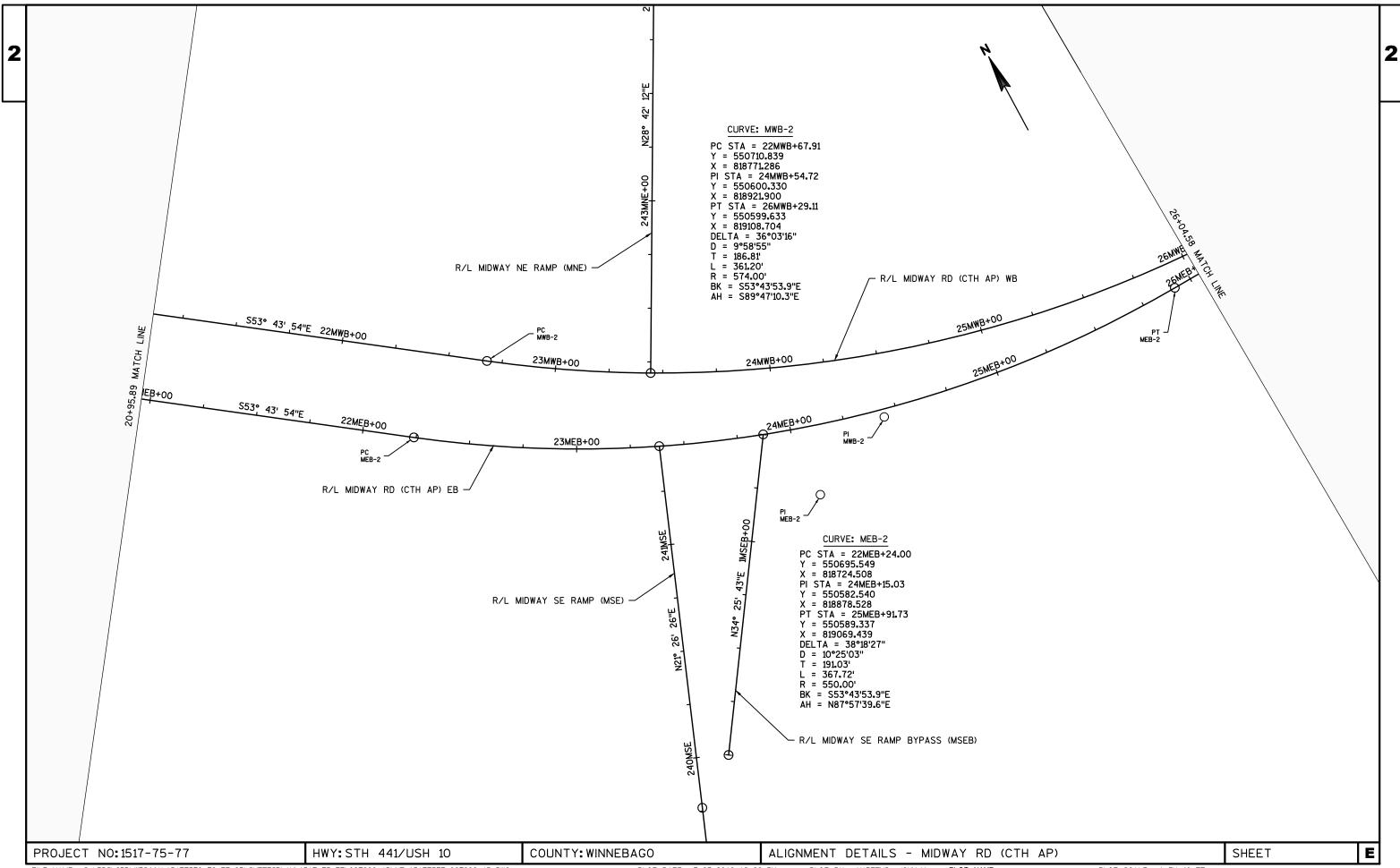
PLOT SCALE : 1 IN:200 FT

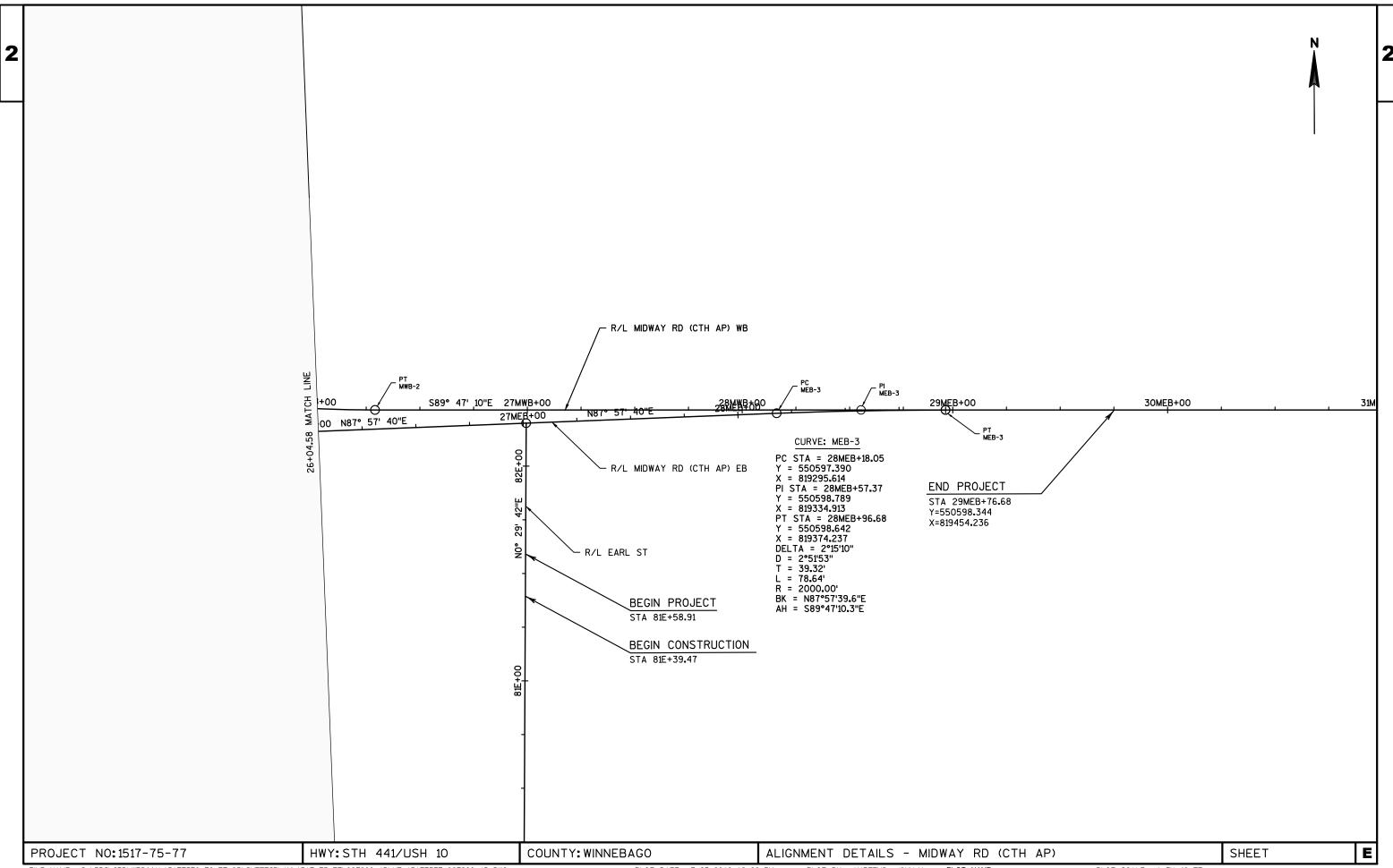
SE 3 SHEET

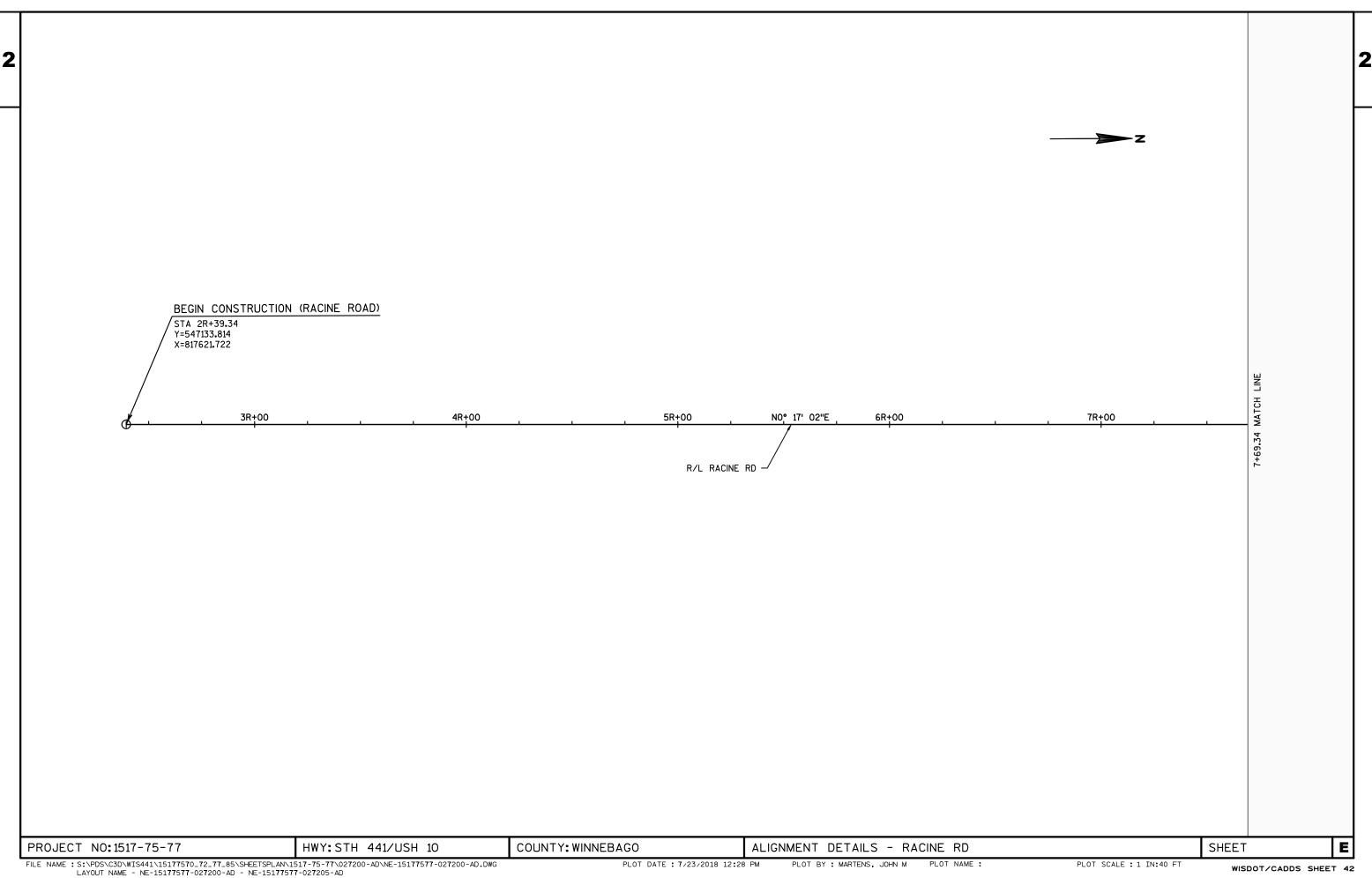
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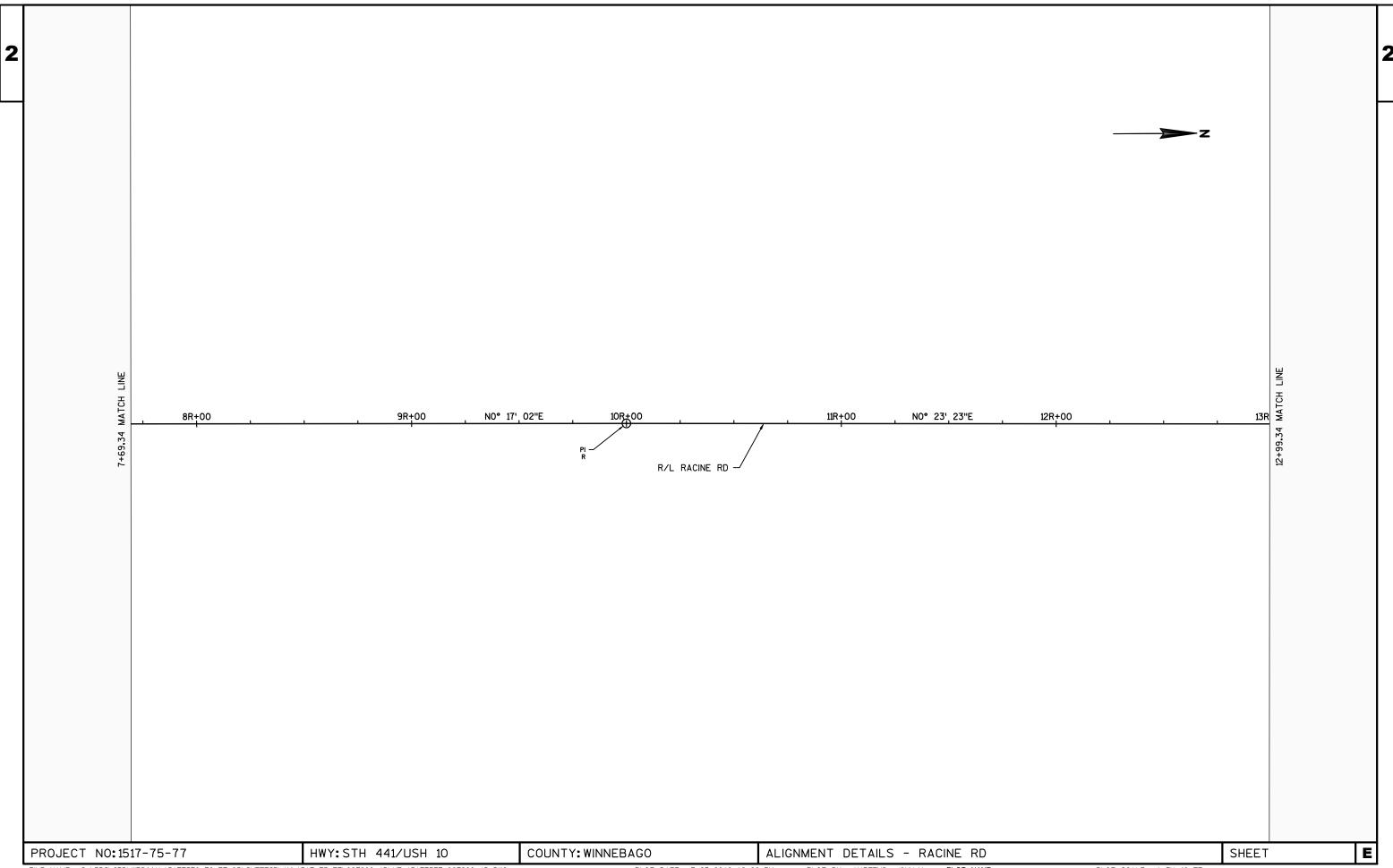


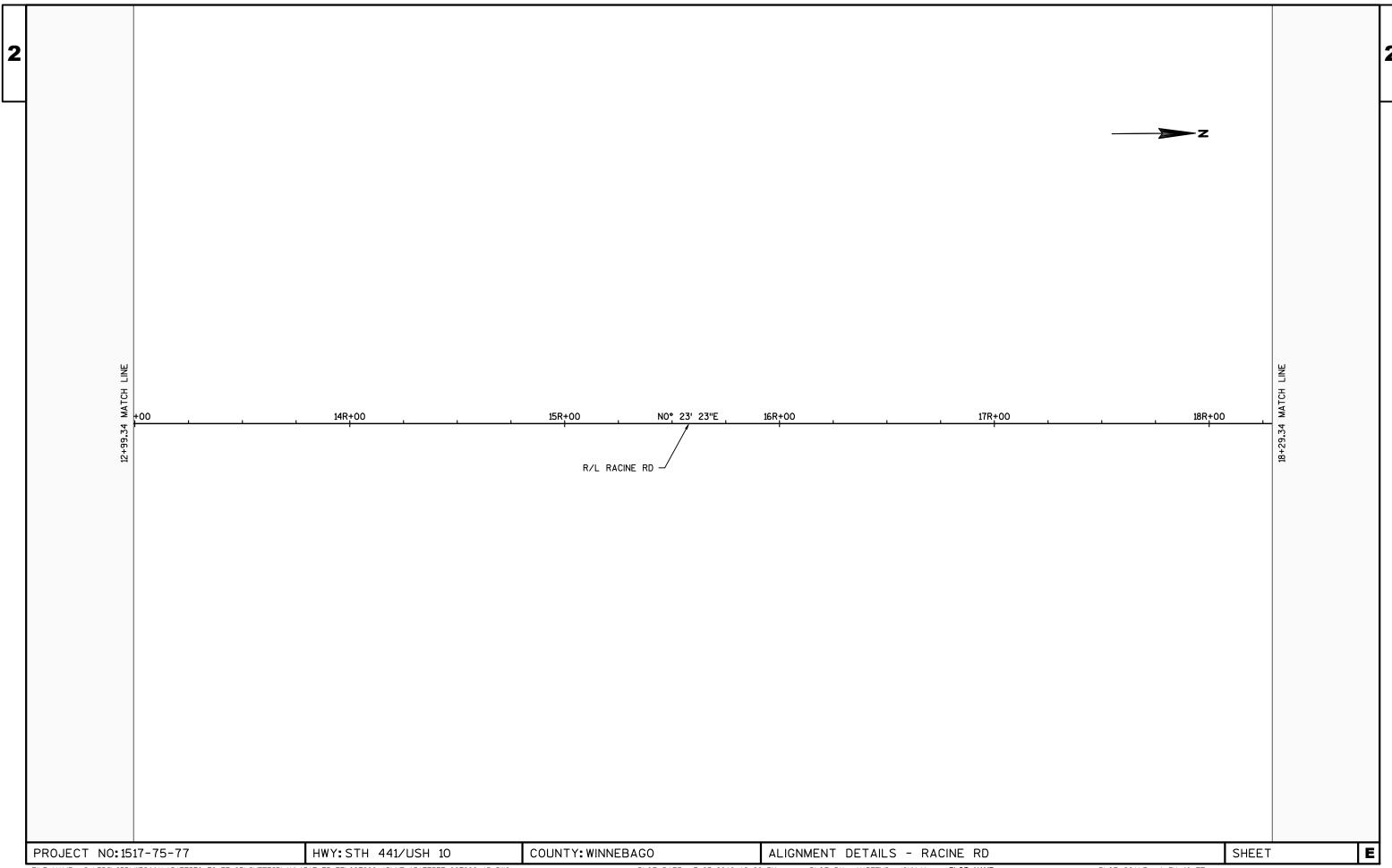


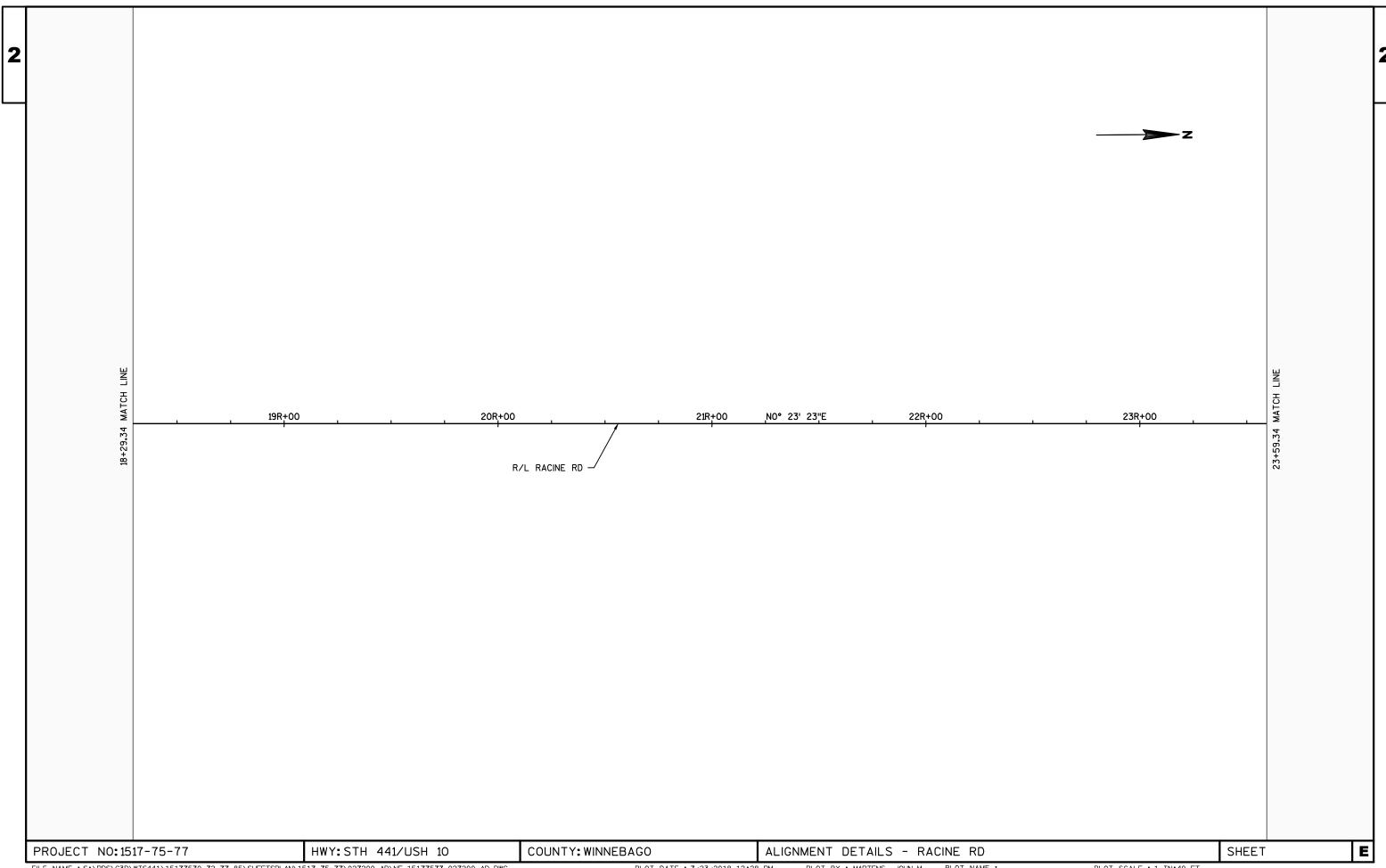


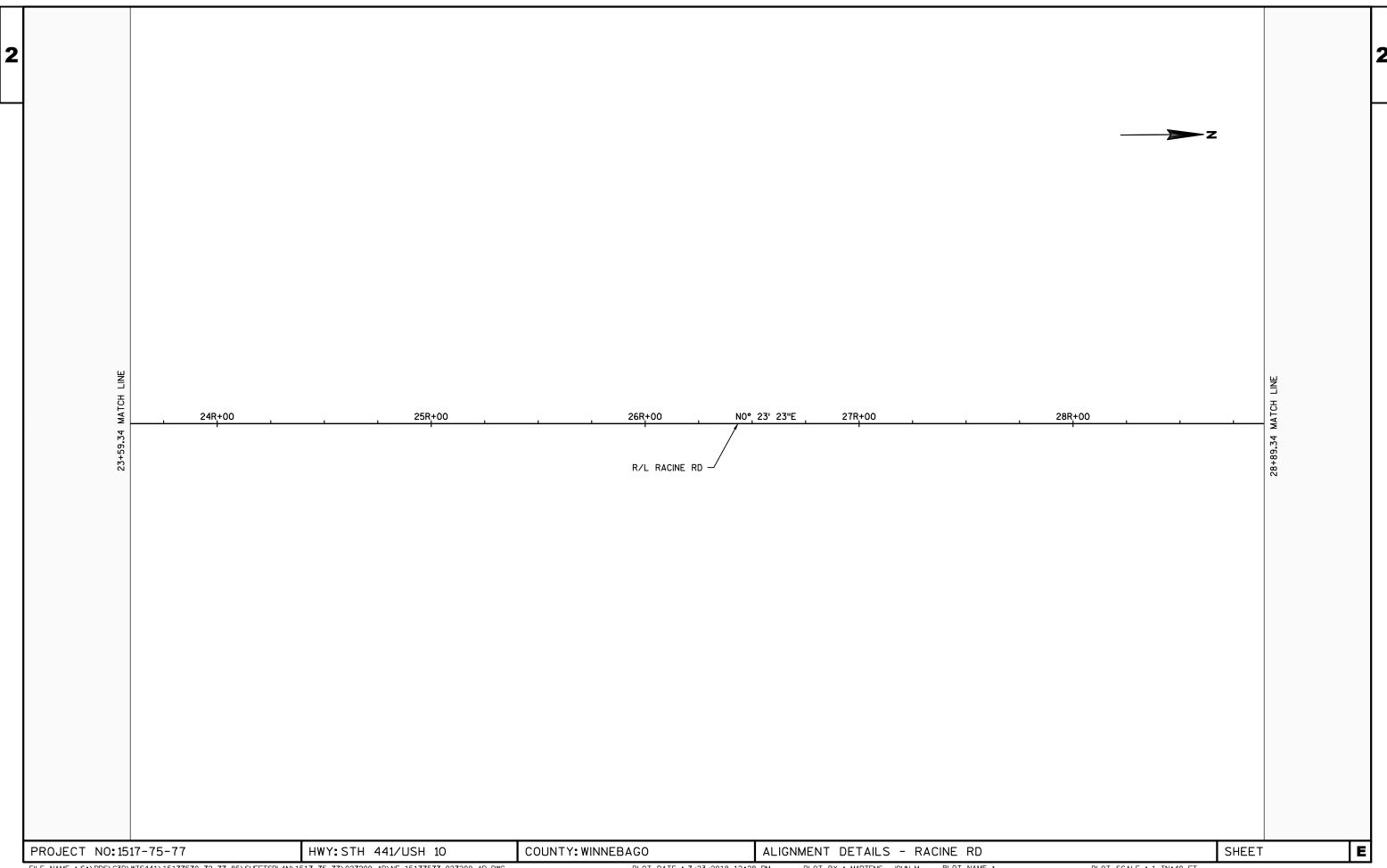


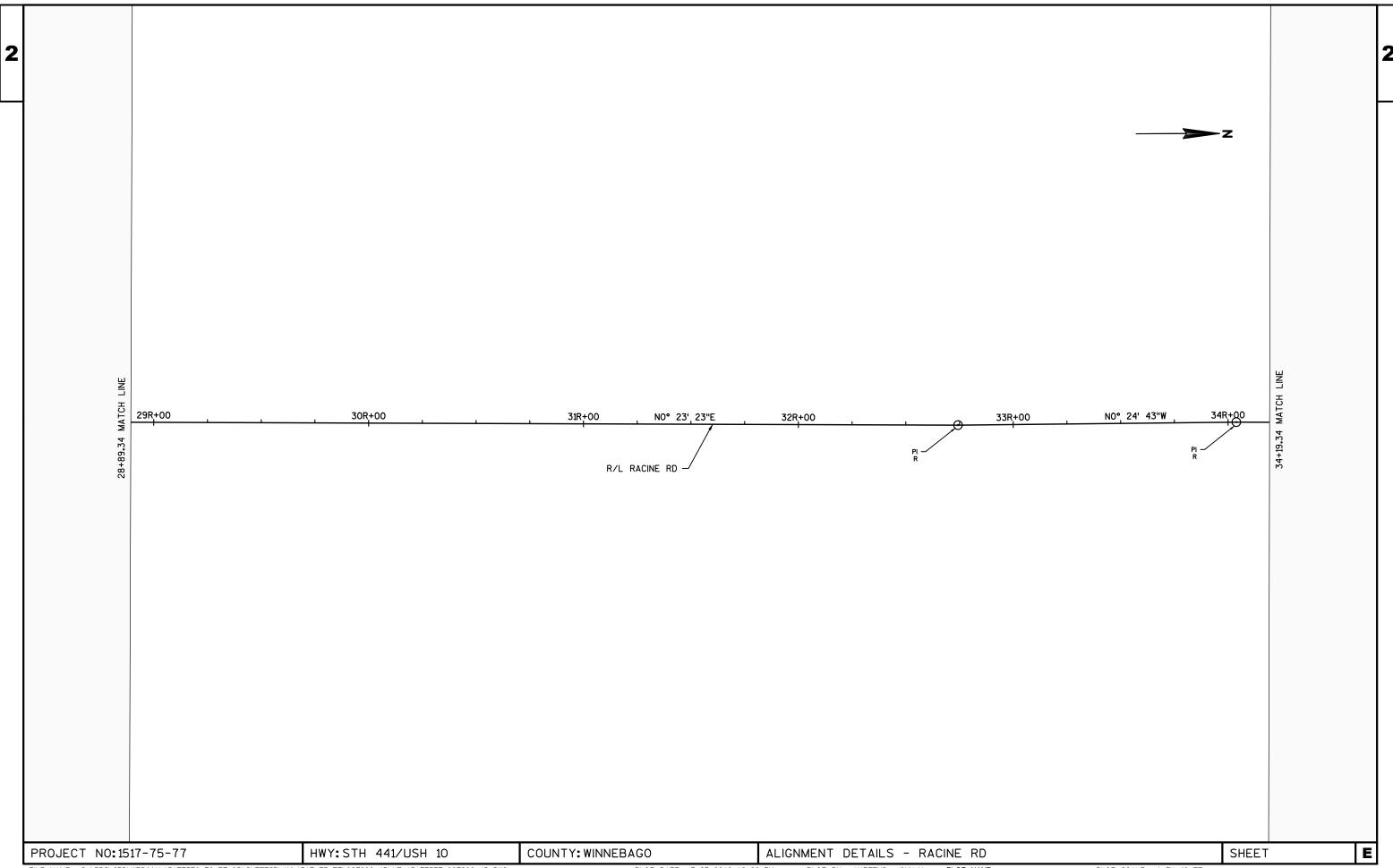


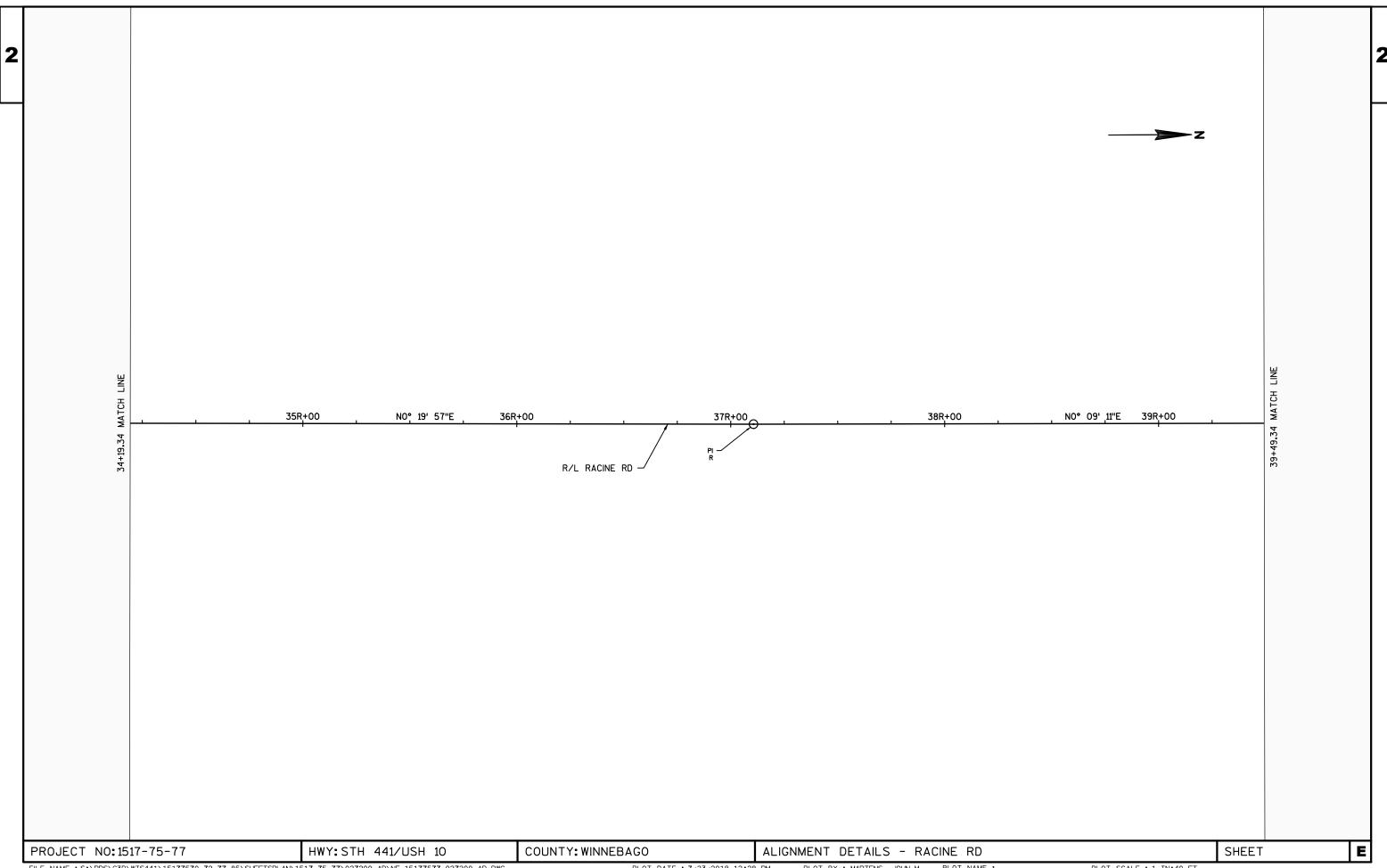


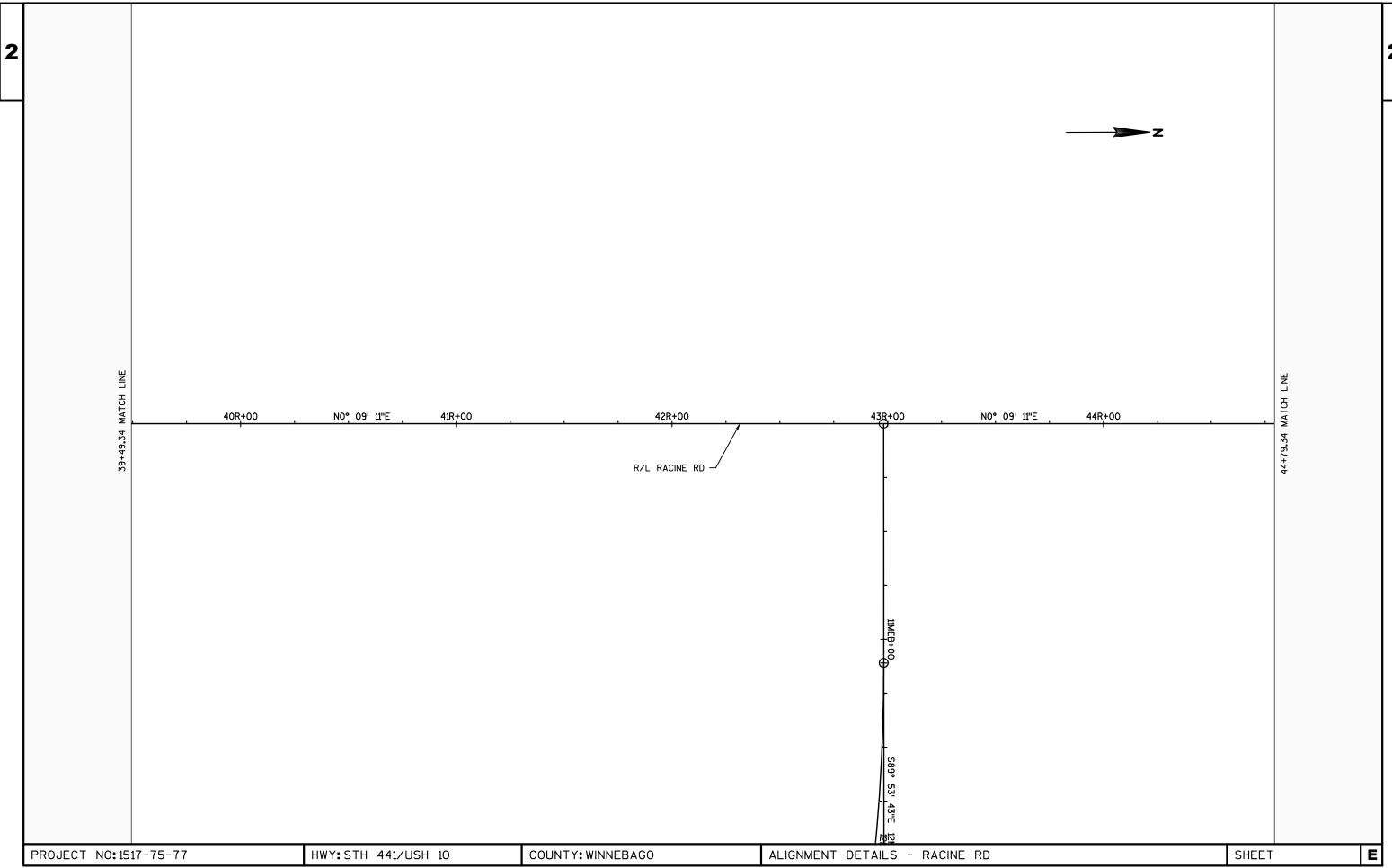


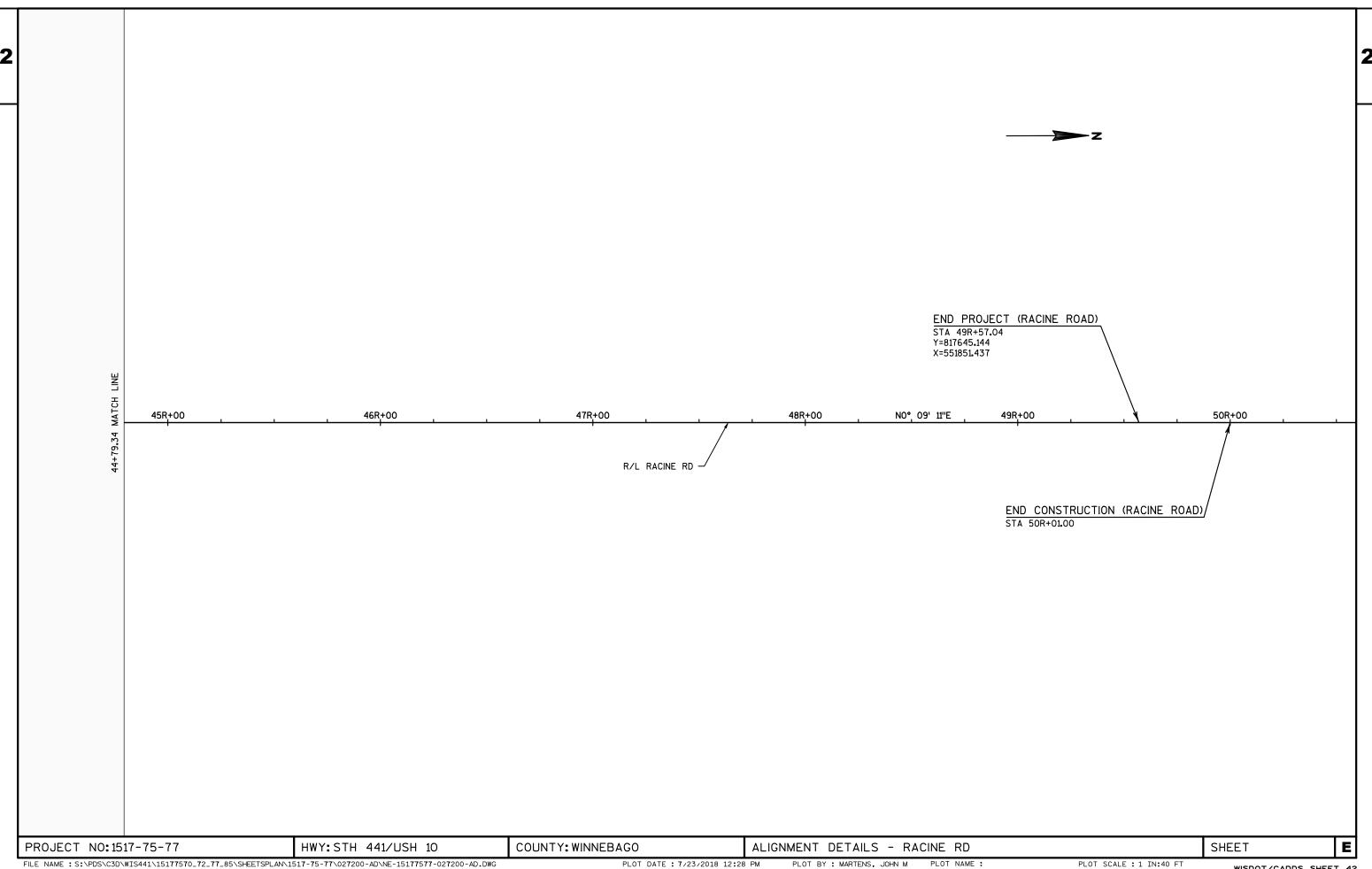


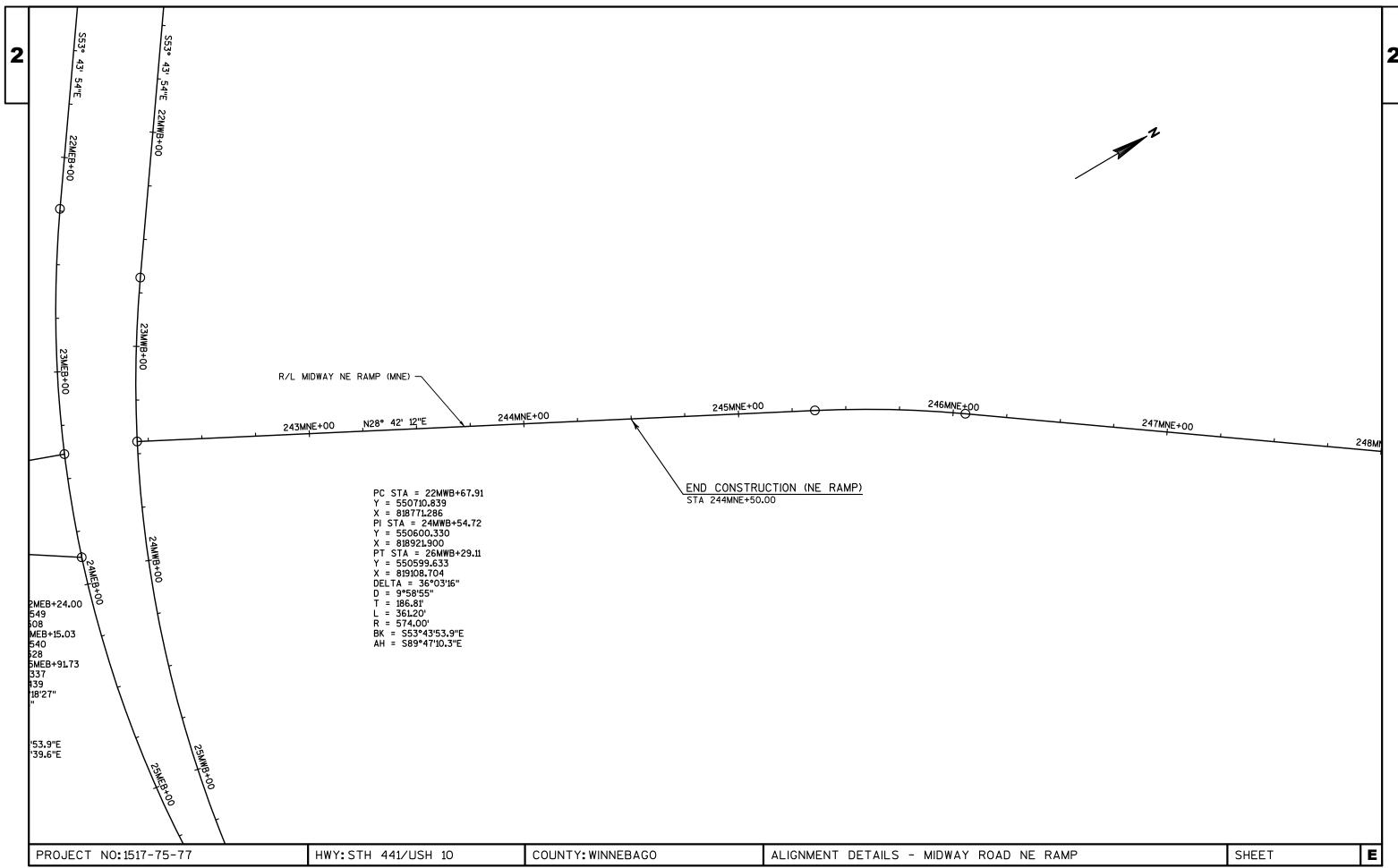


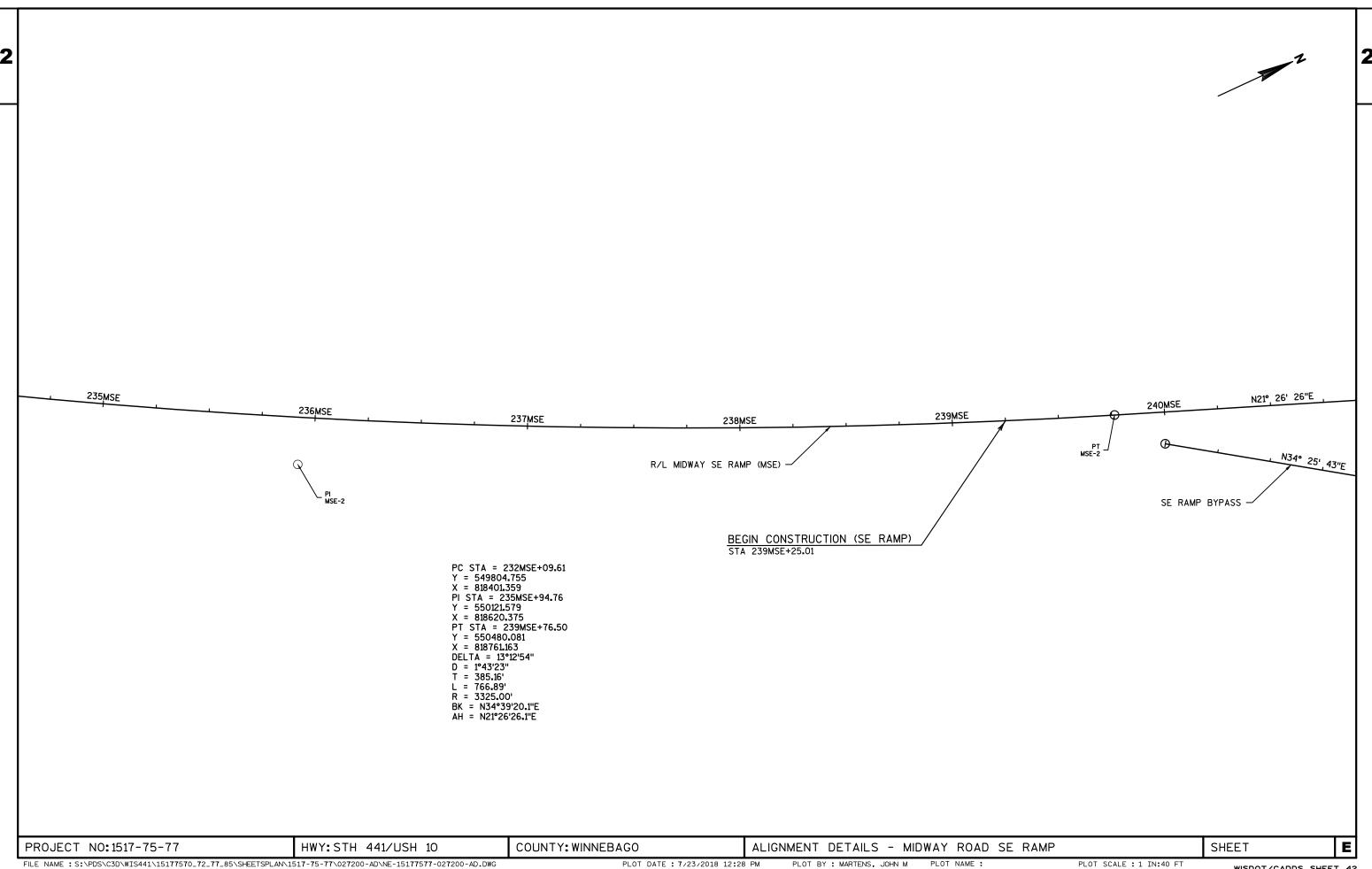












					1517-75-77
Lina	Itom	Itom Decerinties	l lmi4	Total	
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	3.000	3.000
0004	201.0120	Clearing	ID	126.000	126.000
0006	201.0205	Grubbing	STA	3.000	3.000
8000	201.0220	Grubbing	ID	126.000	126.000
0010	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0012	204.0100	Removing Pavement	SY	15,591.000	15,591.000
0014	204.0115	Removing Asphaltic Surface Butt Joints	SY	143.000	143.000
0016	204.0120	Removing Asphaltic Surface Milling	SY	13,479.000	13,479.000
0018	204.0150	Removing Curb & Gutter	LF	262.000	262.000
0020	204.0165	Removing Guardrail	LF	257.000	257.000
0022	204.0185	Removing Masonry	CY	11.000	11.000
0024	204.0190	Removing Surface Drains	EACH	4.000	4.000
0026	204.0210	Removing Manholes	EACH	8.000	8.000
0028	204.0220	Removing Inlets	EACH	22.000	22.000
0030	204.0245	Removing Storm Sewer (size) 001. 6-15 Inches	LF	472.000	472.000
0032	204.0245	Removing Storm Sewer (size) 002. 18-21 Inches	LF	196.000	196.000
0034	204.0245	Removing Storm Sewer (size) 003. 24-30 Inches	LF	667.000	667.000
0036	204.0245	Removing Storm Sewer (size) 004. 36-42 Inches	LF	1,573.000	1,573.000
0038	205.0100	Excavation Common	CY	35,922.000	35,922.000
0040	209.0200.S	Backfill Controlled Low Strength	CY	30.000	30.000
0042	210.1100	Backfill Structure Type A	CY	56.000	56.000
0044	213.0100	Finishing Roadway (project) 001. 1517-75-77	EACH	1.000	1.000
0046	305.0110	Base Aggregate Dense 3/4-Inch	TON	157.000	157.000
0048	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	9,728.000	9,728.000
0050	311.0110	Breaker Run	TON	16,275.000	16,275.000
0052	405.0200	Coloring Concrete Custom 001. Color 10076	CY	153.000	153.000
0054	415.4100	Concrete Pavement Joint Filling	SY	24,167.000	24,167.000
0056	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0058	416.0160	Concrete Driveway 6-Inch	SY	56.000	56.000
0060	416.0170	Concrete Driveway 7-Inch	SY	64.000	64.000
0062	416.0610	Drilled Tie Bars	EACH	10.000	10.000
0064	416.0620	Drilled Dowel Bars	EACH	113.000	113.000
0066	455.0605	Tack Coat	GAL	1,029.000	1,029.000
0068	460.2000	Incentive Density HMA Pavement	DOL	1,470.000	1,470.000
0070	460.6223	HMA Pavement 3 MT 58-28 S	TON	94.000	94.000
0070	460.6424	HMA Pavement 4 MT 58-28 H	TON	2,250.000	2,250.000
0072	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	40.000	40.000
0074	465.0315	Asphaltic Flumes	SY	39.000	39.000
0078	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
		•			
0800	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	1.000	1.000

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					1517-75-77
Line	Item	Item Description	Unit	Total	Qty
		12-Inch			
0082	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
0084	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0086	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,688.000	2,688.000
0088	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	121.000	121.000
0090	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	7,175.000	7,175.000
0092	601.0600	Concrete Curb Pedestrian	LF	80.000	80.000
0094	602.0410	Concrete Sidewalk 5-Inch	SF	28,961.000	28,961.000
0096	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	160.000	160.000
0098	602.0615	Curb Ramp Detectable Warning Field Radial Natural	SF	76.000	76.000
0000	002.0010	Patina	OI .	70.000	70.000
0100	603.1442	Concrete Barrier Type S42C	LF	150.000	150.000
0102	603.3513	Concrete Barrier Transition Type S32 to S36	EACH	2.000	2.000
0104	603.3535	Concrete Barrier Transition Type S36 to S42	EACH	2.000	2.000
0106	604.0400	Slope Paving Concrete	SY	945.000	945.000
0108	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	80.000	80.000
0110	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	702.000	702.000
0112	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,489.000	1,489.000
0114	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36- Inch	LF	743.000	743.000
0116	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	1,006.000	1,006.000
0118	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	100.000	100.000
0120	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	21.000	21.000
0122	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	86.000	86.000
0124	608.2334	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	28.000	28.000
0126	611.0420	Reconstructing Manholes	EACH	2.000	2.000
0128	611.0530	Manhole Covers Type J	EACH	6.000	6.000
0130	611.0535	Manhole Covers Type J-Special	EACH	6.000	6.000
0132	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0134	611.0624	Inlet Covers Type H	EACH	39.000	39.000
0136	611.0639	Inlet Covers Type H-S	EACH	20.000	20.000
0138	611.0642	Inlet Covers Type MS	EACH	20.000	20.000
3.00	011.00±2	mist sovere type me	_, .011	20.000	20.000

1517-75-77

					1517-75-77
Line	Item	Item Description	Unit	Total	Qty
0140	611.1005	Catch Basins 5-FT Diameter	EACH	5.000	5.000
0142	611.1006	Catch Basins 6-FT Diameter	EACH	5.000	5.000
0144	611.2006	Manholes 6-FT Diameter	EACH	7.000	7.000
0146	611.2008	Manholes 8-FT Diameter	EACH	4.000	4.000
0148	611.3004	Inlets 4-FT Diameter	EACH	22.000	22.000
0150	611.3230	Inlets 2x3-FT	EACH	26.000	26.000
0152	611.3901	Inlets Median 1 Grate	EACH	4.000	4.000
0154	611.3902	Inlets Median 2 Grate	EACH	8.000	8.000
0156	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0158	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,840.000	1,840.000
0160	618.0100	Maintenance And Repair of Haul Roads (project) 001. 1517-75-77	EACH	1.000	1.000
0162	619.1000	Mobilization	EACH	1.000	1.000
0164	620.0200	Concrete Median Blunt Nose	SF	454.000	454.000
0166	620.0300	Concrete Median Sloped Nose	SF	117.000	117.000
0168	624.0100	Water	MGAL	139.000	139.000
0170	625.0100	Topsoil	SY	17,261.000	17,261.000
0172	628.1504	Silt Fence	LF	550.000	550.000
0174	628.1520	Silt Fence Maintenance	LF	550.000	550.000
0176	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0178	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0180	628.2006	Erosion Mat Urban Class I Type A	SY	17,262.000	17,262.000
0182	628.7005	Inlet Protection Type A	EACH	13.000	13.000
0184	628.7010	Inlet Protection Type B	EACH	6.000	6.000
0186	628.7015	Inlet Protection Type C	EACH	120.000	120.000
0188	628.7020	Inlet Protection Type D	EACH	14.000	14.000
0190	628.7504	Temporary Ditch Checks	LF	46.000	46.000
0190	628.7555	Culvert Pipe Checks	EACH	10.000	10.000
0192	628.7560	·	EACH	4.000	4.000
		Tracking Pads			
0196	628.7570	Rock Bags	EACH	100.000	100.000
0198	629.0210	Fertilizer Type B	CWT	12.000	12.000
0200	630.0140	Seeding Mixture No. 40	LB	318.000	318.000
0202	630.0200	Seeding Temporary	LB	476.000	476.000
0204	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	29.000	29.000
0206	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	18.000	18.000
0208	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	8.000	8.000
0210	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	6.000	6.000
0212	637.2210	Signs Type II Reflective H	SF	674.000	674.000
0214	637.2215	Signs Type II Reflective H Folding	SF	20.000	20.000
0216	637.2230	Signs Type II Reflective F	SF	44.000	44.000

					1517-75-77
Line	Item	Item Description	Unit	Total	Qty
0218	638.2602	Removing Signs Type II	EACH	37.000	37.000
0210	638.3000	Removing Small Sign Supports	EACH	38.000	38.000
0222	642.5201	Field Office Type C	EACH	1.000	1.000
0224	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0224	643.0410	Traffic Control Barricades Type II	DAY	272.000	272.000
	643.0410	• •			
0228		Traffic Control Warning Lights Type A	DAY	2,658.000	2,658.000
0230	643.0705	Traffic Control Warning Lights Type A	DAY	3,668.000	3,668.000
0232	643.0900	Traffic Control Signs	DAY	3,458.000	3,458.000
0234	643.0910	Traffic Control Covering Signs Type I	EACH	8.000	8.000
0236	643.0920	Traffic Control Covering Signs Type II	EACH	4.000	4.000
0238	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0240	643.5000	Traffic Control	EACH	1.000	1.000
0242	646.1020	Marking Line Epoxy 4-Inch	LF	22,647.000	22,647.000
0244	646.3020	Marking Line Epoxy 8-Inch	LF	922.000	922.000
0246	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000
0248	646.5120	Marking Word Epoxy	EACH	3.000	3.000
0250	646.5320	Marking Railroad Crossings Epoxy	EACH	4.000	4.000
0252	646.7120	Marking Diagonal Epoxy 12-Inch	LF	291.000	291.000
0254	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	517.000	517.000
0256	646.8120	Marking Curb Epoxy	LF	243.000	243.000
0258	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0260	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,868.000	1,868.000
0262	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	7.000	7.000
0262	653.0905		EACH	2.000	2.000
		Removing Pull Boxes			
0266	654.0105	Concrete Bases Type 5	EACH	3.000	3.000
0268	654.0107	Concrete Bases Type 7	EACH	6.000	6.000
0270	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0272	655.0610	Electrical Wire Lighting 12 AWG	LF	1,320.000	1,320.000
0274	655.0615	Electrical Wire Lighting 10 AWG	LF	2,129.000	2,129.000
0276	655.0620	Electrical Wire Lighting 8 AWG	LF	7,984.000	7,984.000
0278	656.0400	Electrical Service Main Lugs Only Meter Pedestal (location) 001.CB-200	LS	1.000	1.000
0280	657.0210	Transformer Bases Breakaway 15-17 Inch Bolt Circle	EACH	6.000	6.000
0282	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000	3.000
0284	657.0337	Poles Type 17-Aluminum	EACH	7.000	7.000
0286	657.0730	Luminaire Arms Truss Type 6-Inch Clamp 12-FT	EACH	8.000	8.000
0288	659.1125	Luminaires Utility LED C	EACH	8.000	8.000
0290	659.2230	Lighting Control Cabinets 240/480 30-Inch	EACH	1.000	1.000
0290	662.1026.S		EACH	2.000	2.000
		•			
0294	662.1040.S	Ramp Closure Gates Hardwired 40-FT	EACH	1.000	1.000

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1517-75-77			

Line	Item	Item Description	Unit	Total	Qty
0296	690.0150	Sawing Asphalt	LF	695.000	695.000
0298	690.0250	Sawing Concrete	LF	127.000	127.000
0300	715.0415	Incentive Strength Concrete Pavement	DOL	6,440.000	6,440.000
0302	715.0710	Optimized Aggregate Gradation Incentive	DOL	12,871.800	12,871.800
0304	740.0440	Incentive IRI Ride	DOL	2,950.000	2,950.000
0306	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000
0308	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,320.000	1,320.000
0310	SPV.0035	Special 001. Roadway Embankment	CY	1,241.000	1,241.000
0312	SPV.0060	Special 100. Manhole 10-FT Diameter	EACH	1.000	1.000
0314	SPV.0060	Special 250. Remove Commerical Sign	EACH	1.000	1.000
0316	SPV.0060	Special 650. Adjusting Sanitary Manhole Covers	EACH	10.000	10.000
0318	SPV.0075	Special 001. Street Sweeping	HRS	34.000	34.000
0320	SPV.0090	Special 651. Sanitary Lateral 4-Inch	LF	50.000	50.000
0322	SPV.0105	Special 002. Survey Project 1517-75-77	LS	1.000	1.000
0324	SPV.0120	Special 150. Water for Seeded Areas	MGAL	396.000	396.000
0326	SPV.0180	Special 001. Modified High Performance Concrete (HPC) Pavement 9-Inch	SY	21,453.000	21,453.000
0328	SPV.0180	Special 002. Removing Crushed Aggregate Slope Paving	SY	705.000	705.000

				CLEARING	GRUBBING	CLEARING	GRUBBING						
CATEGORY	STATION	OFFSET	LOCATION	STA	STA	ID	ID	REMARKS					
1000	38R+00 TO 39R+00	LT	RACINE RD	1	1	-	-						
	39R+00 TO 40R+00	LT	RACINE RD	1	1	-	-						
	47R+00 TO 48R+00	LT	RACINE RD	1	1	-	-						
	RACINE SUBTOTAL			3	3	0	0						
	12MEB+87	LT	MIDWAY RD	-	-	3	3						
	12MEB+87	LT	MIDWAY RD	-	-	4	4						
	12MEB+87	LT	MIDWAY RD	-	-	6	6	TREE REMOVAL, LOOK LIKE ONE LARGE TREE					
	12MEB+87	LT	MIDWAY RD	-	-	2	2	BUT SEPARATE TRUNK					
	12MEB+87	LT	MIDWAY RD	-	-	5	5						
	12MEB+87	LT	MIDWAY RD	-	-	5	5						
	13MEB+25	LT	MIDWAY RD	-	-	6	6	TREE REMOVAL					
	15MEB+08	RT	MIDWAY RD	-	-	5	5	TREE REMOVAL					
	15MEB+69	RT	MIDWAY RD	-	-	18	18	TREE REMOVAL					
	15MEB+88	RT	MIDWAY RD	-	-	19	19	TREE REMOVAL					
	16MEB+13	RT	MIDWAY RD	-	-	16	16	TREE REMOVAL					
	16MEB+35	RT	MIDWAY RD	-	-	16	16	TREE REMOVAL					
	28MEB+86	RT	MIDWAY RD	-	-	9	9	TREE REMOVAL					
	29MEB+47	RT	MIDWAY RD	-	-	12	12	TREE REMOVAL					
	MIDWAY SUBTOTAL			0	0	126	126						

REMOVALS PAVEMENT

						204.0100 REMOVING PAVEMENT	204.0120* REMOVING ASPHALTIC SURFACE MILLING	204.0150 REMOVING CURB AND GUTTER	
CATEGORY	S	ΓΑΤΙΟ	N	OFFSET	LOCATION	SY	SY	LF	REMARKS
1000	2R+39	-	14R+39	R/L	RACINE RD	-	4,094	-	MILLING
	13R+54	-	14R+49	R/L	RACINE RD	-	52	-	MILLING BETWEEN RAIL
	13R+63	-	19R+16	R/L	RACINE RD	-	2,361	-	MILLING
	21R+57	-	36R+63	R/L	RACINE RD	ı	5,897	-	MILLING
	36R+63	-	37R+59	R/L	RACINE RD	-	746	-	MILLING
	37R+59	-	50R+01	R/L	RACINE RD	2,761	-	-	OLD CONCRETE ROADWAY
	RACINI	E SUB	TOTAL			2,761	13,150	0	
	11MEB+50	-	25MEB+21	R/L	MIDWAY RD	10,106	-	-	
	24MEB+90	-	29MEB+77	R/L	MIDWAY RD	2,725	-	-	
	10MEB+36	-	11MEB+51	RT	MIDWAY RD	-	-	115	
	10MEB+23	-	11MEB+50	LT	MIDWAY RD	-	-	146	
	MIDWA	Y SUE	BTOTAL			12,830	0	262	
*QUANTITIES	SHOWN ELSEW	/HERE	ON PLAN		TOTAL	15,591	13,150	262	

HWY: STH 441/USH 10

REMOVE COMMERCIAL SIGN

				SPV.0060.250	
				REMOVE	
				COMMERCIAL SIGN	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
1000	25MEB+92	RT	MIDWAY RD	1	EARL LITHO SIGN

PROJECT TOTAL

REMOVING GUARDRAIL

				204.0165
CATEGORY	STATION	OFFSET	LOCATION	LF
1000	45R+35 to 47R+92	LT	RACINE RD	257

PROJECT TOTAL 257

COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES

PLOT BY : SLEZAK, KIMBERLY A PLOT NAME :

SHEET

PROJECT NO:1517-75-77

<u>REMOVALS STORM SEWEI</u>	₹
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				204.0245.001	204.0245.002	204.0245.003	204.0245.004	
				REMOVING	REMOVING	REMOVING	REMOVING	
				STORM	STORM	STORM	STORM	
				SEWER 6-15-		SEWER 24-30-		
				INCH	INCH	INCH	INCH	
CATEGORY	STATION	OFFSET	LOCATION	LF	LF	LF	LF	REMARKS
1000	40R+09 - 42R+93	LT	RACINE RD	-	-	-	123	
	40R+10 - 42R+94	LT	RACINE RD	-	-	-	285	
	40R+12 - 40R+12	R/L	RACINE RD	-	-	-	45	24"X36" CULVERT PIPE
	42R+94 - 47R+19	LT	RACINE RD	-	-	-	425	
	47R+19 - 47R+18	R/L	RACINE RD	-	-	48	-	
	42R+94 - 42R+94	R/L	RACINE RD	-	-	-	91	
	RACINE SUBTOTAL			0	0	48	969	
				•				
	11MEB+50 - 12MEB+99	RT	MIDWAY RD	-	-	-	236	
	11MEB+98 - 12MEB+47	LT	MIDWAY RD	50	-	-	-	
	12MEB+47 - 12MEB+97	LT	MIDWAY RD	54	-	-	-	
	12MEB+97 - 12MEB+99	LT	MIDWAY RD	6	-	-	-	
	12MEB+99 - 12MEB+99	R/L	MIDWAY RD	33	-	-	-	
	12MEB+99 - 13MEB+99	LT	MIDWAY RD	-	-	-	102	
	13MEB+99 - 13MEB+98	LT	MIDWAY RD	16	-	-	-	
	13MEB+98 - 13MEB+97	RT	MIDWAYRD	22	-	-	-	
	13MEB+99 13MEB+99	LT	MIDWAY RD	16	-	-	-	
	13MEB+99 - 14MEB+41	LT	MIDWAY RD	-	-	-	82	
	13MEB+99 - 14MEB+91	LT	MIDWAY RD	-	-	-	94	
	14MEB+91 - 14MEB+96	RT	MIDWAY RD	-	41	-	-	
	14MEB+91 - 14MEB+91	LT	MIDWAY RD	-	19	-	-	
	14MEB+91 - 14MEB+91	LT	MIDWAY RD	22	-	-	-	
	14MEB+91 - 16MEB+81	R/L	MIDWAY RD	-	-	193	-	
	16MEB+81 - 16MEB+94	LT	MIDWAY RD	-	14	-	-	
	16MEB+81 - 17MEB+93	R/L	MIDWAY RD	-		112	-	
	17MEB+93 - 17MEB+85	LT	MIDWAY RD	-	10	-	-	
	17MEB+93 - 17MEB+89	LT	MIDWAYRD	-	54	-	-	
	17MEB+93 - 17MEB+92	RT	MIDWAYRD	-	8	-	-	
	17MEB+92 - 17MEB+94	RT	MIDWAY RD	-	22	-	-	
	17MEB+94 - 17MEB+95	RT	MIDWAY RD	-	29	-	-	
	17MEB+93 - 19MEB+31	LT	MIDWAYRD	-	-	139	-	
	19MEB+31 - 19MEB+30	LT	MIDWAYRD	6	-	-	-	
	19MEB+30 - 19MEB+28	LT	MIDWAYRD	15	-	-	-	
	19MEB+31 - 21MEB+06	LT	MIDWAY RD	-	-	176	-	
	21MEB+06 - 21MEB+06	LT	MIDWAY RD	10	-	-	-	
	21MEB+06 - 22MEB+58	LT	MIDWAY RD	150	-	-	-	
	22MEB+58 - 22MEB+42	LT	MIDWAYRD	31	-	-	-	
	23MEB +20 - 23MEB +20	LT	MIDWAYRD	-	-	-	90	
	28MEB+88 - 28MEB+88	R/L	MIDWAY RD	42	-	-	-	
	MIDWAY SUBTOTAL			472	196	620	604	

FILE NAME : S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\030200-MQ.OLD\030201.DWG LAYOUT NAME - 030201 - 030202_MQ

PROJECT NO:1517-75-77

PLOT DATE: 11/30/2018 6:57 AM

COUNTY: WINNEBAGO

MISCELLANEOUS QUANTITIES

SHEET

PLOT SCALE : ########

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HWY:STH 441/USH 10

REMOVALS STRUCTURES

				203.0100 REMOVING SMALL PIPE CULVERTS	204.0185 REMOVING MASONRY	204.0190 REMOVING SURFACE DRAINS	204.0210 REMOVING MANHOLES	204.0220 REMOVING INLETS	
CATEGORY	STATION	OFFSET	LOCATION	EA	CY	EA	EA	EA	REMARKS
1000	40R+10	LT	RACINE RD	-	4	-	-	-	MANHOLE
	40R+12	RT	RACINE RD	-	1	-	-	-	ENDWALL
	40R+12	RT/LT	RACINE RD	1	-	-	-	-	24" by 36" CULVERT PIPE
	41R+15	RT	RACINE RD	-	2	-	-	-	4-3FT DIA. CONC. PIPES
	47R+19	LT	RACINE RD	-	4	-	-	-	MANHOLE
	42R+94	LT	RACINE RD	-	-	-	1	-	
	46R+50	RT	RACINE RD	1	-	-	-	-	12" CMP
	RACINE SUBTOTAL		!	2	11	0	1	0	
								<u> </u>	
	11MEB+98	LT	MIDWAY RD	-	-	-	-	1	
	12MEB+47	LT	MIDWAY RD	-	-	-	-	1	
	12MEB+97	LT	MIDWAY RD	-	-	-	-	1	
	12MEB+99	RT	MIDWAY RD	-	-	-	-	1	
	13MEB+97	RT	MIDWAY RD	-	-	-	-	1	
	13MEB+98	LT	MIDWAY RD	-	-	-	-	1	
	13MEB+99	LT	MIDWAY RD	-	-	-	-	1	
	14MEB+91	LT	MIDWAY RD	-	-	-	-	1	
	14MEB+91	LT	MIDWAY RD	-	-	-	-	1	
	14MEB+95	RT	MIDWAY RD	-	-	-	-	1	
	16MEB+94	LT	MIDWAY RD	-	-	-	-	1	
	17MEB+85	LT	MIDWAY RD	-	-	-	-	1	
	17MEB+89	LT	MIDWAY RD	-	-	-	-	1	
	17MEB+92	RT	MIDWAY RD	-	-	-	-	1	
	17MEB+94	RT	MIDWAY RD	-	-	-	-	1	
	19MEB+28	LT	MIDWAY RD	-	-	-	-	1	
	19MEB+30	LT	MIDWAY RD	-	-	-	-	1	
	21MEB+06	LT	MIDWAY RD	-	-	-	-	1	
	22MEB+42	LT	MIDWAY RD	-	-	-	-	1	
	22MEB+58	LT	MIDWAY RD	-	-	-	-	1	
	28MEB+87	LT	MIDWAY RD	-	-	-	-	1	
	28MEB+88	RT	MIDWAY RD	-	-	-	-	1	
	12MEB+99	LT	MIDWAY RD	-	-	-	1	-	
	13MEB+99	LT	MIDWAY RD	-	-	-	1	-	
	14MEB+91	LT	MIDWAY RD	-	-	-	1	-	
	16MEB+81	RT	MIDWAY RD	-	-	-	1	-	
	17MEB+93	LT	MIDWAY RD	-	-	-	1	-	
	19MEB+31	LT	MIDWAY RD	-	-	-	1	-	
	21MEB+06	LT	MIDWAY RD	-	-	-	1	-	
	16MEB+86	LT	MIDWAY RD	-	-	1	-	-	
	17MEB+86	RT	MIDWAY RD	-	-	1	-	-	
	21MEB+79	LT	MIDWAY RD	-	-	1	-	-	
	22MEB+80	RT	MIDWAY RD	-	-	1	-	-	
	MIDWAY SUBTOTAL		ı	0	0	4	7	22	
		1	PROJECT TOTAL		11	4	8	22	

SHEET

HWY:STH 441/USH 10

PROJECT NO:1517-75-77

COUNTY: WINNEBAGO

MISCELLANEOUS QUANTITIES

EARTHWORK QUANTITIES

Division	From/To Station	Location	205.0 Common E (1	xcavation	Salvaged/Unusable Pavement Material (CY) (3)	Available Material (CY) (4)	Fill (CY)	Mass Ordinate +/- (5)	SPV.0035.001 Roadway Embankment (CY)
Division 1			Cut (CY) (2)	EBS (CY)					
Midway Road MEB	10+78 to 29+76	Midway RD	25,523	0	13,003	12,520	246	12,520	246
Division 1 Subtotal		,	25,523	0	13,003	12,520	246	12,520	
Division 2									
Racine Road	37+35 to 52+75	Racine Road	6,436	0	667	5,769	623	5,769	623
Division 2 Subtotal			6,436	0	667	5,769	623	5,769	
Division 3									
Midway NE Ramp	242+50 to 244+50	NE Ramp	700	0	0	700	62	700	62
Division 3 Subtotal			700	0	0	700	62	700	
Division 4									
Midway NW Ramp	240+59 to 241+96	NW Ramp	284	0	0	284	309	284	309
Division 4 Subtotal			284	0	0	284	309	284	
Division 5									
Midway SE Ramp	239+25 to 241+00	SE Ramp	699	0	0	699	1	699	1
Division 5 Subtotal			699	0	0	699	1	699	
Division 6									
Midway SW Ramp	240+11 to 241+12	SW Ramp	731	0	0	731	0	731	0
Division 6 Subtotal			731	0	0	731	0	731	
Division 7									
Midway NWB Bypass Ramp	0+49 to 1+48	NW Ramp Bypass	1,171	0	0	1,171	0	1,171	0
Division 7 Subtotal			1,171	0	0	1,171	0	1,171	
Division 8					<u> </u>				
Midway SEB Bypass Ramp	0+00 to 1+00	SE Ramp Bypass	277	0	0	277	0	277	0
Division 8 Subtotal			277	0	0	277	0	277	
PROJECT 1517-75-77 Totals			35,822	0	13,670	22,152	1,241	22,152	1,241
	Total Com	ımon Exc	35,	822			Total Roady	vay Embankment	1,241

^{*-} Additional Quantities Shown Elsewhere on Plan

Notes:

- (1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- (2) Salvaged/Unsuable Pavement Material is included in Cut.
- (3) Salvaged/Unusable Pavement Material is the Volume of Existing Concrete Pavement (Note: not shown in Earthwork Detail Summary Tables.) Concrete Pavement for Ramps are included in Midway Road Salvage Value.
- (4) Available Material = Cut Salvaged/Unusuable Pavement Material
- (5) 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.

PROJECT NO: 1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES SHEET Ε

STRUCTURAL BACKFILL

						210.1100	
						BACKFILL	
						STRUCTURE	
						TYPE A	
CATEGORY	STATION	то	STATION	OFFSET	LOCATION	СҮ	REMARKS
1000	21MEB+25	-	22MEB+70	LT	MIDWAY RD	56	BACKFILL BEHIND S42C CONCRETE BARRIER

*QUANTITIES COMPUTED PER SDD

PROJECT TOTAL

FINISHING ROADWAY (1517-75-77)

			213.0100	
			FINISHING ROADWAY	
CATEGORY	STATION	LOCATION	EACH	REMARKS
1000	VARIES	MIDWAY AND RACINE	1	

PROJECT TOTAL

1

AGGREGATE ITEMS

				305.0110*	305.0120*	311.0110	
				BASE AGGRE	GATE DENSE	BREAKER RUN	
				3/4-INCH	1 1/4-INCH		
CATEGORY	STATION	OFFSET	LOCATION	TON	TON	TON	REMARKS
1000	ROADWAY (BASE AGG. 6-IN)(BREAKE	R RUN 12-IN)				
	2R+39 - 14R+39	R/L	RACINE RD	77	-	-	ROADWAY SHOULDERS
	21R+57 - 36R+63	R/L	RACINE RD	65	-	-	ROADWAY SHOULDERS
	36R+63 - 37R+59	R/L	RACINE RD	2	-	-	ROADWAY SHOULDERS
	37R+59 - 40R+03	R/L	RACINE RD	-	382	687	
	40R+03 - 44R+75	R/L	RACINE RD	-	1,208	2,175	
	44R+75 - 49R+57	R/L	RACINE RD	-	890	1,601	
	49R+57 - 50R+01	R/L	RACINE RD	3	161	-	
	RACINE SUBTOTAL			144	2,480	4,463	
	10MEB+77 - 25MEB+38	R/L	MIDWAY RD	-	4,333	7,800	
	24MEB+74 - 29MEB+77	R/L	MIDWAY RD	-	1,210	2,178	
	24MEB+54 - 24MEB+65	RT	MIDWAY RD	-	1	-	PAVED SHOULDER (BASE AGG. 3")
	24MEB+72 - 24MEB+83	RT	MIDWAY RD	-	1	-	PAVED SHOULDER (BASE AGG. 3")
	25MWB+35 - 25MWB+49	LT	MIDWAY RD	-	1	-	PAVED SHOULDER (BASE AGG. 3")
	25MWB+53 - 25MWB+67	LT	MIDWAY RD	-	1	-	PAVED SHOULDER (BASE AGG. 3")
	240MNW+55 - 242MNW+00	R/L	MNW	-	265	477	
	240MSW+00 - 240MSW+12	R/L	MSW	3	14	25	
	240MSW+12 - 241MSW+12	R/L	MSW	-	132	238	
	242MNE+53 - 244MNE+50	R/L	MNE	-	246	443	
	239MSE+25 - 241MSE+13	R/L	MSE	-	307	553	
	81EARL+39 - 81EARL+59	R/L	EARL ST	0.4	49	-	
	81EARL+59 - 81EARL+87	R/L	EARL ST	-	55	98	
	MIDWAY SUBTOTAL			3	6,616	11,812	
*QUANTIT	TES SHOWN ELSEWHERE ON P	LAN	PROJECT TOTAL	. 147	9.095	16.275	

COUNTY: WINNEBAGO Ε PROJECT NO:1517-75-77 HWY:STH 441/USH 10 SHEET MISCELLANEOUS QUANTITIES

SIDEWALK SUMMARY

				305.0120*	602.0410	405.0200	
				BASE AGGREGATE	CONCRETE	COLORING	
				DENSE	SIDEWALK	CONCRETE CUSTOM	
				1 1/4-INCH	5-INCH	COLOR 10076	
CATEGORY	STATION	OFFSET	LOCATION	TON	SF	СУ	REMARKS
1000	37R+59 - 42R+63	RT	Racine RD	49	2,540	-	
	43R+33 - 46R+38	RT	Racine RD	30	1,601	-	
	RACINE SUBTOTAL		•	79	4,141	0	
	,						
	10MEB+77 - 18MEB+98	RT	Midway RD	30	1,601	-	
	19MEB+44 - 23MEB+38	RT	Mi dway RD	38	2,030	-	
	23MEB+57 - 23MEB+75	RT	Midway RD	2	97	-	
	23MEB+98 - 24MEB+54	RT	Mi dway RD	6	300	-	
	24MEB+83 - 26MEB+75	RT	Mi dway RD	19	999	-	
	27MEB+23 - 29MEB+69	RT	Mi dway RD	23	1,217	-	
	10MWB+77 - 18MWB+59	LT	Mi dway RD	74	4,017	-	
	18MWB+98 - 19MWB+17	LT	Mi dway RD	2	98	-	
	19MWB+38 - 23MWB+42	LT	Mi dway RD	37	2,011	-	
	23MWB+97 - 25MWB+30	LT	Mi dway RD	11	613	-	
	25MWB+60 - 29MWB+77	LT	Mi dway RD	33	1,785	-	
	21MEB+40 - 22MEB+92	RT	Mi dway RD	16	854	13	PAVED FRONT OF WALK TO BACK OF CURE
	21MWB+24 - 22MWB+87	LT	Mi dway RD	16	882	14	PAVED FRONT OF WALK TO BACK OF CURE
	21MWB+23 - 22MWB+85	LT	Mi dway RD	1	80	-	PAVED BACK OF WALK TO CONC. BARRIER
	19MEB+63 - 23MEB+00	R/L	Midway RD	63	3,540	55	MEDIAN ISLAND
	23MEB+77 - 24MEB+83	R/L	Mi dwa y RD	40	2,136	33	MEDIAN ISLAND
	25MEB+13 - 26MEB+57	R/L	Mi dway RD	20	1,062	16	MEDIAN ISLAND
	240MNW+68 - 241MNW+18	R/L	MNW	12	663	10	MEDIAN ISLAND
	240MNW+57 - 240MNW+62	R/L	MNW	2	93	1	MEDIAN ISLAND
	240MSE+53 - 241MSE+03	R/L	MSE	12	648	10	MEDIAN ISLAND
	241MSE+09 - 241MSE+14	R/L	MSE	2	92	1	MEDIAN ISLAND
	MIDWAY SUBTOTAL			458	24,820	153	
QUANTITIES	SHOWN ELSEWHERE ON PLAN		PROJECT TOTAL	537	28,961	153	

PROJECT NO:1517-75-77 COUNTY: WINNEBAGO SHEET Ε HWY:STH 441/USH 10 MISCELLANEOUS QUANTITIES

PAVEMENT ITEMS

					SPV.0180.001	455.0605*	460.6223	460.6424	
					MODIFIED HIGH				
					PERFORMANCE CONCRETE (HPC) PAVEMENT	TACK COAT	HMA PAVEMENT	HMA PAVEMENT	
					9-INCH	TACK COAT		4 MT 58-28 H	
CATEGORY	STATIO	ON	OFFSET	LOCATION	SY	GAL	TONS	TONS	REMARKS
1000	2R+39 -	14R+39	R/L	RACINE RD	-	287	-	604	HAUL ROAD
	10R+45 -	10R+81	RT	RACINE RD	-	-	-	12	AIRPORT RD, OVERLAYED CONC.
	13R+54 -	14R+49	R/L	RACINE RD	-	4	-	8	HAUL ROAD BETWEEN RAILS
	13R+63 -	19R+16	R/L	RACINE RD	-	165	-	348	HAUL ROAD
	21R+57 -	36R+63	R/L	RACINE RD	-	413	-	870	HAUL ROAD
	36R+63 -	37R+59	R/L	RACINE RD	-	52	-	110	HAUL ROAD
	37R+59 -	49R+57	RT	RACINE RD	1,598	-	-	-	TRAVEL LANE
	37R+59 -	49R+57	LT	RACINE RD	2,132	-	-	-	TRAVEL LANE AND BIKE LANE
	38R+79 -	49R+52	LT	RACINE RD	1,054	-	-	-	LEFT TURN LANE
	37R+59 -	40R+03	RT	RACINE RD	109	-	-	-	BIKE LANE
	40R+03 -	44R+74	RT	RACINE RD	1,138	-	-	-	IGHT TURN LANE AND MIDWAY RD INT
	44R+75 -	49R+57	RT	RACINE RD	214	1	-	-	BIKE LANE
	49R+57 -	50R+01	R/L	RACINE RD	-	15	16	38	
	RACINE SUI	BTOTAL			6,244	935	16	1,990	
	10MEB+77 -	24MEB+46	RT	MIDWAY RD	4,250	-	-	-	
	10MWB+77 -	24MWB+74	LT	MIDWAYRD	4,359	-	-	-	
	11MEB+10 -	12MEB+28	R/L	MIDWAYRD	33	-	-	-	
	18MEB+61 -	24MEB+07	R/L	MIDWAYRD	1,456	-	-	-	
	25MEB+24 -	29MEB+77	RT	MIDWAYRD	1,386	-	-	-	
	25MWB+61 -	29MWB+77	LT	MIDWAYRD	1,256	-	-	-	
	26MEB+65 -	28MEB+97	R/L	MIDWAYRD	82	-	-	-	
	24MEB+46 -	25MEB+62	R/L	MIDWAYRD	-	59	71	235	RAIL ROAD APPROACH
	24MEB+46 -	25MEB+62	R/L	MIDWAY RD	-	-	-	7	PAVED SHOULDER RAIL CROSSING
	240MNW+50 -	242MNW+00	R/L	MNW	619	-	-	-	
	240MSW+00 -	240MSW+12	R/L	MSW	-	-	-	1	PAVED SHOULDERS
	240MSW+12 -	241MSW+16	R/L	MSW	335	-	-	-	
	242MNE+48 -	244MNE+50	R/L	MNE	581	-	-	-	
	239MSE+25 -	241MSE+18	R/L	MSE	689	-	-	-	
	81EARL+59 -	81EARL+92	R/L	EARL ST	164	-	-	-	
	81EARL+39 -	81EARL+59	R/L	EARL ST	-	7	7	17	
	MIDWAY SU	IBTOTAL			15,209	66	79	261	
*QUANTITIES	SHOWN ELSEWHERE O	N PLAN		PROJECT TOTAL	21,453	1,002	94	2,250	

CONCRETE PAVEMENT JOINT FILLING

					415.4100
					CONCRETE PAVEMENT
					JOINT FILLING
CATEGORY	STA	ATION	OFFSET	LOCATION	SY
1000	37R+58	- 49R+57	R/L	RACINE RD	6,902
		RACINE	SUBTOTAL		6,902
	10MEB+77	- 29MEB+77	R/L	MIDWAY RD	17,265
		MIDWAY	SUBTOTAL		17,265

PROJECT TOTAL 24,167

BACKFILL CONTROLLED LOW STRENGTH

				209.0200.S
				BACKFILL CONTROLLED
				LOW STRENGTH
CATEGORY	STATION	OFFSET	LOCATION	CY
1000	38+87		RACINE RD	30
	RACINE	30		

ASPHALTIC FLUME

PROJECT TOTAL

30

				465.0315	
				ASPHALTIC	
				FLUMES	
CATEGORY	STATION	OFFSET	LOCATION	SY	REMARKS
1000	49R+61	RT	RACINE RD	6	
	49R+61	LT	RACINE RD	8	
	RACINE SUBTOTAL			14	
	240MSW+06	RT	MSW	12	
	240MSW+06	LT	MSW	9	
	81EARL+55	RT	EARL ST	2	
	81EARL+55	LT	EARL ST	2	
	MIDWAY SUBTOTAL			25	

PROJECT TOTAL 39

PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO MISCELLANEOUS QUANTITIES SHEET

CONCRETE CURB

& GUTTER

INTEGRAL

DRILLED DOWEL AND TIE BARS

				416.0610	416.0620	
				DRILLED	DRILLED	
				TIE BARS	DOWEL BARS	
CATEGORY	STATION	OFFSET	LOCATION	EACH	EACH	REMARKS
1000	37R+28 RT		RACINE RD	2	-	CONNECT TO OLDE MIDWAY RD C&G
	RACINE SUBTOTAL			2	0	
	29MEB+76	R/L	MIDWAY RD	4	32	
	242MNW+00	R/L	MNW	-	26	
	240MSW+00	R/L	MSW	-	15	
	244MNE+50	R/L	MNE	-	20	
	239MSE+25	R/L	MSE	4	20	
	MIDWAY SUBTOTAL			8	113	

PROJECT TOTAL 10 113

CONCRETE CURB PEDESTRIAN

						601.0600	
					CONRETE CURB		
						PEDESTRIAN	
CATEGORY	STATION	ТО	STATION	OFFSET	LOCATION	LF	REMARKS
1000	18MEB+82	-	19MEB+03	LT	Mi dway RD	41	MNW MEDIAN ISLAND
	18MEB+98	-	19MEB-18	RT	Midway RD	39	MSE MEDIAN ISLAND

PROJECT TOTAL

					INCH TYPE A	INCH TYPE D	30-INCH TYPE D	
CATEGORY	STATION		OFFSET	LOCATION	LF	LF	LF	REMARKS
1000	37R+59 -	42R+68	RT	Racine RD	-	-	535	RACINE RD - NORTHBOUND
	43R+29 -	49R+57	RT	Racine RD	-	-	655	RACINE RD - NORTHBOUND
	37R+59 -	49R+57	LT	Racine RD	-	-	1,199	RACINE RD - SOUTHBOUND
	RACINE SU	JBTOTAL			0	0	2,390	
			l		L			
	10MEB-77 -	18MEB+66	RT	Midway RD	-	-	770	
	19MEB+47 -	23MEB+34	RT	Midway RD	-	-	393	
	24MEB+29 -	24MEB+62	RT	Midway RD	-	-	35	
	24MEB+85 -	26MEB+52	RT	Midway RD	-	-	174	
	27MEB+46 -	29MEB+77	RT	Midway RD	-	-	230	
	10MWB+77 -	18MWB+24	LT	Midway RD	-	-	766	
	19MWB+42 -	23MWB+37	LT	Midway RD	-	-	391	
	24MWB+34 -	25MWB+24	LT	Midway RD	-	-	89	
	25MWB+47 -	29MWB+77	LT	Midway RD	-	-	425	
	12MEB+35 -	19MEB+05	RT	Midway RD	674	-	-	MEDIAN ISLAND
	12MWB+36 -	19MWB+20	LT	Midway RD	685	-	-	MEDIAN ISLAND
	19MEB+63 -	23MEB+01	RT	Midway RD	336	-	-	MEDIAN ISLAND
	19MWB+78 -	23MWB+11	LT	Midway RD	334	-	-	MEDIAN ISLAND
	23MEB+76 -	24MEB+46	RT	Midway RD	83	-	-	MEDIAN ISLAND
	23MEB+81 -	24MEB+73	LT	Midway RD	88	-	-	MEDIAN ISLAND
	24MEB+46 -	24MEB+85	R/L	Midway RD	-	59	-	MEDIAN ISLAND RAIL ROAD
	25MEB+13 -	25MEB+63	R/L	Midway RD	-	62	-	MEDIAN ISLAND RAIL ROAD
	25MEB+24 -	26MEB+57	RT	Midway RD	133	-	-	MEDIAN ISLAND
	25MEB+63 -	26MEB+57	LT	Midway RD	94	-	-	MEDIAN ISLAND
	240MNW+51 -	242MNW+00	RT	MNW	-	-	151	
	240MNW+67 -	242MNW+00	LT	MNW	-	-	176	
	240MNW+59 -	241MNW+17	RT	MNW	58	-	-	MEDIAN ISLAND
	240MNW+62 -	241MNW+18	LT	MNW	58	-	-	MEDIAN ISLAND
	240MNW+56 -	240MNW+58	R/L	MNW	15	-	-	MEDIAN ISLAND
	242MNE+57 -	244MNE+50	RT	MNE	-	-	229	
	242MNE+50 -	244MNE+50	LT	MNE	-	-	203	
	239MSE+25 -	241MSE+19	RT	MSE	-	-	219	
	239MSE+25 -	241MSE+16	LT	MSE	-	-	194	
	240MSW+12 -	241MSW+13	RT	MSW	-	-	104	
	240MSW+12 -	241MSW+29	LT	MSW	-	-	142	
	240MSE+53 -	241MSE+10	RT	MSE	58	-	-	MEDIAN ISLAND
	240MSE+54 -	241MSE+10	LT	MSE	57	-	-	MEDIAN ISLAND
	241MSE+14 -	241MSE+14	R/L	MSE	14	-	-	MEDIAN ISLAND
	81EARL+59 -	81EARL+92	RT	EARL ST	-	-	48	
	81EARL+59 -	81EARL+87	LT	EARL ST	-	-	47	
	MIDWAY SUBTOTAL				2,688	121	4,786	

CONCRETE CURB & GUTTER

601.0409

CONCRETE CURB

& GUTTER 30-

601.0411

CONCRETE

CURB AND

GUTTER 30-

PROJECT TOTAL 121 7,175

PROJECT NO: 1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO

MISCELLANEOUS QUANTITIES

SHEET

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY 1000	STATION 42R+59	OFFSET RT	LOCATION RACINE RD	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF 10	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
1000	43R+36	RT	RACINE RD	10	_
	RACINE SUBTOTAL	1/ 1	NACINE ND	20	0
	18MEB+34	LT	MIDWAY RD	-	22
	18MEB+84	LT	MIDWAY RD	10	-
	18MEB+89	RT	MIDWAY RD	-	20
	19MEB+01	LT	MIDWAY RD	10	-
	19MEB+24	LT	MIDWAY RD	10	-
	19MEB+45	RT	MIDWAY RD	10	-
	23MEB+36	RT	MIDWAY RD	10	-
	23MEB+37	LT	MIDWAY RD	10	-
	23MEB+58	RT	MIDWAY RD	10	-
	23MEB+74	LT	MIDWAY RD	10	-
	24MEB+05	RT	MIDWAY RD	-	16
	24MEB+05	LT	MIDWAY RD	-	18
	24MEB+49	RT	MIDWAY RD	10	-
	24MEB+89	LT	MIDWAY RD	10	-
	25MEB+29	RT	MIDWAY RD	10	-
	25MEB+73	LT	MIDWAY RD	10	-
	26MEB+69	RT	MIDWAY RD	10	-
	27MEB+28	RT	MIDWAY RD	10	-
	MIDWAY SUBTOTAL			140	76

PROJECT TOTAL 160 76

MOBILIZATION

			_	
1000	VARIES	MIDWAY AND RACINE	1	
CATEGORY	STATION	LOCATION	EACH	REMARKS
			MOBILIZATION	
			619.1000	

PROJECT TOTAL

SURVEY PROJECT

			SPV.0105.002	
			SURVEY	
			PROJECT	
CATEGORY	STATION	LOCATION	LS	REMARKS
1000	VARIES	MIDWAY AND RACINE	1	

PROJECT TOTAL

STREET SWEEPING

1000	VAINES	PROJECT TOTAL	34
1000	VARIES	MIDWAY AND RACINE	34
CATEGORY	STATION	LOCATION	HRS
			STREET SWEEPING
			SPV.0075.001

PROJECT TOTAL

CONCRETE PAVEMENT JOINT LAYOUT

			415.5110.S	
			CONCRETE PAVEMENT	
			JOINT LAYOUT	
CATEGORY	STATION	LOCATION	LS	REMARK
1000	VARIES	MIDWAY AND RACINE	1	

PROJECT TOTAL

WATER

			624.0100	
			WATER	
CATEGORY	STATION	LOCATION	MGAL	REMARKS
1000	VARIES	MIDWAY AND RACINE	40	DUST CONTRO
	VARIES	MIDWAY AND RACINE	99	COMPACTION

PROJECT TOTAL 139

FIELD OFFICE

			642.5201	
			FIELD OFFICE	
			TYPE C	
CATEGORY	STATION	LOCATION	EACH	REMARKS
1000	VARIES	MIDWAY AND RACINE	1	

PROJECT TOTAL

1

PROJECT NO:1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO SHEET MISCELLANEOUS QUANTITIES

Ε

DRIVEWAYS

				204.0120* REMOVING	205.0100* EXCAVATION	305.0110* BASE AGGREGAT	305.0120* TE DENSE	416. CONCRETE	0160 DRIVEWAY		.0170 DRIVEWAY	455.0605*	465.0120 ASPHALTIC	
				ASPHALTIC	COMMON	3/4-INCH	1-1/4-INCH	4	NCH			TACK COAT	SURFACE DRIVEWAYS	
						(BACK OF SIDEWALK)	1 '		(SIDEWALK)		(SIDEWALK)		AND FIELD ENTRANCES	
ORY	STATION	OFFSET	LOCATION	SY	CY	TON	TON	SY	SY	` SY	SY	GAL	TON	REMARKS
<u> </u>	4R+09 - 4R+46	RT	RACINE RD	27	-	-	-	-	-	-	-	1.90	0.04	
	4R+70 - 5R+07	LT	RACINE RD	22	-	-	-	-	-	-	-	1.54	0.03	
	8R+74 - 9R+27	RT	RACINE RD	28	-	-	-	-	-	-	-	1.93	0.04	
	10R+34 - 10R+78	LT	RACINE RD	58	-	-	-	-	-	-	-	4.04	0.09	
	27R+44 - 27R+67	LT	RACINE RD	11	-	-	-	-	-	-	-	0.74	0.02	
	27R+79 - 28R+05	LT	RACINE RD	10	-	-	-	-	-	-	-	0.69	0.01	
	29R+71 - 30R+01	LT	RACINE RD	13	-	-	-	-	-	-	-	0.91	0.02	
	30R+64 - 30R+98	RT	RACINE RD	20	-	-	-	-	-	-	-	1.42	0.03	
	31R+07 - 31R+33	RT	RACINE RD	17	-	-	-	-	-	-	-	1.17	0.02	
	31R+80 - 32R+10	RT	RACINE RD	19	-	-	-	-	-	-	-	1.31	0.03	
	32R+34 - 32R+62	LT	RACINE RD	13	-	-	-	-	-	-	-	0.94	0.02	
	33R+68 - 33R+94	LT	RACINE RD	7	-	-	-	-	-	-	-	0.49	0.01	
	34R+22 - 34R+53	RT	RACINE RD	27	-	-	-	-	-	-	-	1.89	0.04	
	34R+87 - 35R+11	RT	RACINE RD	19	-	-	-	-	-	-	-	1.35	0.03	
	35R+55 - 35R+93	RT	RACINE RD	39	-	-	-	-	-	-	-	2.73	0.06	
	37R+31 - 37R+59	RT	RACINE RD	-	2	-	11	-	-	-	-		6	INCLUDES ASPHALT SIDEWAL
	40R+69 - 40R+91	RT	RACINE RD	-	4	5	5	8	7	-	-	-	-	
	44R+94 - 45R+16	RT	RACINE RD	-	8	5	5	8	7	-	-	-	-	
	46R+33 - 46R+65	RT	RACINE RD	-	20	-	24	13	12	-	-	-	8	
	RACINE SUBTOTAL			329	35	10	45	30	26	0	0	23	14	
2	6MWB+76 - 27MWB+38	LT	MIDWAY RD	-	66	<u>-</u>	51	-	-	35	29	4	25	
	MIDWAY SUBTOTAL			0	66	0	51	0	0	35	29	4	25	
TITLE	S SHOWN FISEWHERE C	AN DLAN	DDOLLCT TOTA	1 329	100	10	96		.6		54	27	40	

*QUANTITIES SHOWN ELSEWHERE ON PLAN PROJECT TOTAL 100 10 329

SHEET Ε PROJECT NO:1517-75-77 COUNTY: WINNEBAGO HWY:STH 441/USH 10 MISCELLANEOUS QUANTITIES

					204 0445	600.0150	500.0250	
					204.0115	690.0150	690.0250	
					REMOVING ASPHALTIC	SAWING	SAWING	
					SURFACE BUTT JOINTS	ASPHALT	CONCRETE	
CATEGORY	STATION TO	STATION	OFFSET	LOCATION	SY	LF	LF	REMARKS
1000	2R+39 -	2R+39	R/L	RACINE RD	7	30	-	
	4R+09 -	4R+46	RT	RACINE RD	6	29	-	
	4R+70 -	5R+07	LT	RACINE RD	6	28	-	
	8R+74 -	9R+27	RT	RACINE RD	10	45	-	
	10R+34 -	10R+78	LT	RACINE RD	4	18	-	
	10R+45 -	10R+81	RT	RACINE RD	•	-	53	W. AIRPORT RD INT.
	23R+47 -	23R+71	LT	RACINE RD	5	24	-	GORDON ST
	27R+44 -	27R+67	LT	RACINE RD	4	18	-	
	27R+79 -	28R+05	LT	RACINE RD	4	19	-	
	28R+12 -	28R+65	RT	RACINE RD	7	29	-	RICHARD ST
	29R+71 -	30R+01	LT	RACINE RD	4	20	-	
	30R+64 -	30R+98	RT	RACINE RD	5	25	-	
	31R+07 -	31R+33	RT	RACINE RD	4	18	-	
	31R+80 -	32R+10	RT	RACINE RD	3	15	-	
	32R+34 -	32R+62	LT	RACINE RD	4	16	-	
	33R+65 -	33R+88	RT	RACINE RD	5	24	-	SANDLEWOOD ST
	33R+68 -	33R+94	LT	RACINE RD	4	16	-	
	34R+22 -	34R+53	RT	RACINE RD	4	20	-	
	34R+87 -	35R+11	RT	RACINE RD	3	14	-	
	35R+55 -	35R+93	RT	RACINE RD	6	28	-	
	36R+90 -	37R+31	RT	RACINE RD	9	41	-	OLDE MIDWAY RD
	36R+98 -	37R+27	LT	RACINE RD	6	25	-	OLDE MIDWAY RD
	37R+31 -	37R+48	RT	RACINE RD	•	16	-	CEMETERY ENTRANCE
	37R+59 -	37R+59	R/L	RACINE RD	•	37	-	
	46R+33 -	46R+65	RT	RACINE RD	5	22	-	
	50R+01 -	50R+01	R/L	RACINE RD	7	34	-	
	RACINE SUB	TOTAL			124	609	53	
	26MEB+94 -	27MEB+39	LT	MIDWAY RD	10	47	-	
	29MEB+77 -	29MEB+77	R/L	MIDWAY RD	•	-	49	
	244MNE+50 - 2	244MNE+50	R/L	MNE RAMP	-	-	25	
	81EARL+39 -	81EARL+39	R/L	EARL ST	9	39	-	
	MIDWAY SUI	BTOTAL			19	86	74	

SAW CUTS

PROJECT TOTAL

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NOTE: IF A VERTICAL FACE CAN BE OBTAINED WITHOUT A SAW CUT, SAW CUT CAN BE OMITTED

	1		ı	T	1	
				620.0200	620.0300	
				CONCRETE	CONCRETE	
				MEDIAN	MEDIAN	
				BLUNT NOSE	SLOPED NOSE	
CATEGORY	STATION	OFFSET	LOCATION	SF	SF	REMARKS
1000	12MEB+32	LT	MIDWAYRD	-	55	
	19MEB+07	LT	MIDWAYRD	81	-	
	19MEB+60	LT	MIDWAYRD	66	-	
	23MEB+03	LT	MIDWAYRD	43	-	
	23MEB+77	LT	MIDWAYRD	26	-	
	26MEB+61	LT	MIDWAYRD	-	62	
	240MNW+57	LT	MNW	21	-	
	240MNW+59	LT	MNW	21	-	
	241MNW+20	LT	MNW	81	-	
	240MSE+50.21	RT	MSE	68	-	
	241MSE+13	RT	MSE	25	-	
	241MSE+14	RT	MSE	22	-	

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BARRIER CONCRETE

PROJECT TOTAL

	1				1	
				603.1442	603.3513	603.3535
				CONCRETE	CONCRETE BARRIER	CONCRETE BARRIER
				BARRIER	TRANSITION TYPE	TRANSITION TYPE
				TYPE S42C	S32 TO S36	S36 TO S42
CATEGORY	STATION	OFFSET	LOCATION	LF	EACH	EACH
1000	21MEB+25 - 22MEB+70	LT	MIDWAY RD	150	2	2

PROJECT TOTAL 150

CONCRETE COLLARS

			520.8000	
			CONCRETE	
			COLLARS	
			FOR PIPE	
CATEGORY	STATION	LOCATION	EACH	REMARKS
1000	23MEB +19.32	MIDWAY ROAD	1	CONNEC TO EXISTING 42-INCH PIPE
	28MEB+93	MSW	1	MANHOLE CONNECT TO 500A TO EXISITNG 18-INCH PVC PIPE

PROJECT TOTAL 2

PROJECT NO:1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO SHEET MISCELLANEOUS QUANTITIES FILE NAME : S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\030200-MQ.OLD\030201.DWG LAYOUT NAME - 030201 - 030211_MQ PLOT DATE: 11/30/2018 6:58 AM PLOT BY : SLEZAK, KIMBERLY A PLOT NAME : PLOT SCALE : ########

WISDOT/CADDS SHEET 42

Ε

PIPE UNDERDRAIN WRAPPED 6-INCH

						612.0406	
CATECORY	CTATION.	т.	STATION	OFFSET		612.0406	D EA AA D I/C
CATEGORY	STATION	ТО	STATION	OFFSET	LOCATION	LF	REMARKS
1000	40R+21	-	40R+71	RT	RACINE RD	50	CONNECT TO INLET 101C
	40R+22	-	40R+72	LT	RACINE RD	50	CONNECT TO INLET 101A
	47R+28	-	47R+78	RT	RACINE RD	50	CONNECT TO INLET 104C
	47R+28	-	47R+78	LT	RACINE RD	50	CONNECT TO INLET 104B
	RACINE	SUE	BTOTAL			200	
	15MEB+67	-	16MEB+15	LT	MIDWAY RD	50	CONNECT TO INLET 107A
	15MEB+71`	-	16MEB+18	LT	MIDWAY RD	50	CONNECT TO INLET 107B
	15MEB+81	-	16MEB+33	RT	MIDWAY RD	50	CONNECT TO INLET 107F
	15MEB+82	-	16MEB+32	LT	MIDWAY RD	50	CONNECT TO INLET 107E
	240MNW+77	-	241MNW+25	LT	MNW	50	CONNECT TO INLET 108B
	240MNW+85	-	241MNW+05	LT	MNW	23	CONNECT TO INLET 108E
	241MNW+05	-	241MNW+29	LT	MNW	25	CONNECT TO INLET 108E
	241MNW+03	-	241MNW+53	RT	MNW	50	CONNECT TO INLET 108D
	240MSW+25	-	240MSW+75	RT	MSW	50	CONNECT TO INLET 108M
	240MSW+27	-	240MSW+73	LT	MSW	50	CONNECT TO INLET 108N
	243MNE+05	-	243MNE+55	LT	MNE	50	CONNECT TO INLET 200E
	243MNE+17	-	243MNE+67	RT	MNE	50	CONNECT TO INLET 200G
	240MSE+22	-	240MSE+71	RT	MSE	50	CONNECT TO INLET 200N
	240MSE+24	-	240MSE+74	LT	MSE	50	CONNECT TO INLET 200L
	24MEB+42	-	25MEB+57	R/L	MIDWAY RD	182	DAYLIGHT INTO RR DITCH
	24MEB+85	-	25MEB+68	R/L	MIDWAY RD	170	DAYLIGHT INTO RR DITCH
	28MEB+53	-	29MEB+03	RT	MIDWAY RD	50	CONNECT TO INLET 500D
	28MEB+53	-	29MEB+03	LT	MIDWAY RD	50	CONNECT TO INLET 500B
	MIDWA	Y SU	BTOTAL			1,100	

PROJECT TOTAL 1,300

STORM SEWER-STRUCTURES-RECONSTRUCT & ADJUSTMENT

	STRUCTURE			611.0420 RECONSTRUCTING MANHOLES	611.8115 ADJUSTING INLET COVERS	
CATEGORY	NUMBER	STATION	OFFSET	EACH	EACH	REMARKS
1000	STAGE 2					
	201	24MWB+66	40.1 LT	1	-	
	300	25MWB+69	35.5 LT	1	-	
	200E	243MNE+34	1.5 LT	-	1	
	200G	243MNE+40	21.5 RT	-	1	
		STAG	E 2 SUBTOTAL	2	2	_

PROJECT TOTAL

APRON ENDWALLS

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	INVERT ELEVATION (FT)	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH
CATEGORT	IVOIVIDEIX	317.1101	OT TOLI	LLL V/(11014 (11)	E COLO	L Exteri	L, terr
1000	STAGE 1						
	103E	46R+69	30.7 RT	760.69	1	-	-
			S	TAGE 1 SUBTOTAL	1	0	0
	STAGE 2						
	109	1MNWB+19	43.7 LT	755.50	-	1	-
	108G	19MWB+71	50.9 LT	753.85	-	-	1
	108L	240MSW+50	16.9 RT	754.98	-	-	1
	1080	240MSE+50	42.4 LT	755.8	-	1	
			S	TAGE 2 SUBTOTAL	0	2	2
<u> </u>	•	•		DDOJECT TOTAL	4	2	

PROJECT TOTAL 1 2 2

STORM SEWER-PIPE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	START INVERT ELEVATION (FT)	END INVERT ELEVATION (FT)	SLOPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12 INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18- INCH	608.0336 STORM SEWER PIPE REINFORECED CONCRETE CLASS III 36- INCH	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH	608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH	608.2334 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 34X53-INCH
1000	STAGE 1	T							1				T	
	101F	101G	750.50	750.20	1.04%	<u>-</u> ,	29	-	-	-	-	-	-,	-
	101 G	100	750.10	749.20	1.00%		-	90	-	-	-	-	-	-
	102	101	749.15	746.38	1.10%	-	-	-	-	-	-	251	-	-
	101	100A	746.36	744.60	1.10%	<u>-</u> ,	-	-	-		- ,	160	<u>-</u> ,	-
	100A	100	744.53	744.25	1.02%	-	-	-	-	-	-	-	-	28
	101B	101A	752.73	752.67	0.50%	13	-	-	-	-	-	-	-	-
	101A	101	752.17	751.89	1.43%	- ,	19	-	-	<u>-</u> ,	- ,	-	- ,	-
	101E	101D	751.95	751.87	0.52%	-	-	17	-	-	-	-	-	-
	10 1D	101C	751.87	751.76	0.70%	-	-	15	-	-	-	-	-	-
	101C	101	751.26	751.08	0.69%	- ,	=	27	-		- ,	-		-
	104	103	755.87	752.27	0.90%	-	-	-	-	-	402	-	-	-
	103	102	752.26	751.77	0.90%	-	-	-	-	-	54	-	-	-
	103A	103	755.73	755.55	0.79%	-	23	-	-	-	-	-	-	-
	103C	103B	755.90	755.72	0.52%	-	35	-	-	-	-	-	-	-
	103B	103	755.71	755.51	0.48%	-	41	-	-	-	-	-	-	-
	103D	103E	760.80	760.69	0.25%	44	-	-	-	-	-	-	-	-
	104A	104B	756.21	756.08	0.39%	-	-	33	-	-	-	-	-	-
	104B	104	756.08	755.92	0.69%	-	-	23	-	-	-	-	-	-
	104E	104B	756.51	756.18	0.69%	-	-	48	-	-	-	-	-	-
	104D	104C	756.27	756.10	0.98%	-	-	17	-	-	-	-	-	-
	104C	104	756.10	755.92	0.83%	-	-	22	-	-	-	-	-	-
	105	102	749.56	749.25	0.41%	-	-	-	-	-	-	77	-	-
	105A	105	753.77	753.48	1.00%	-	30	-	-	-	-	-	-	-
	105B	105	753.75	753.45	1.02%	-	29	-	-	-	-	-	-	-
				STA	GE 1 SUBTOTAL	57	206	292	0	0	456	488	0	28

STORM SEWER-PIPE

To STRUCTURE STRUCTURE STRUCTURE ELEVATION (FT) SLOPE F F F F F F F F F	CONCRETE REINFORCED CONCRETE
TO STAILCTURE STRUCTURE STRUCTURE	F LF
CATEGOR FROM STRUCTURE S	
1000	
107	
106	
1068 105 750.30 749.56 0.40% - - - - - - 185 106A 106B 753.86 753.66 0.56% - 36 - <td< td=""><td></td></td<>	
106A 106B 753.86 753.66 0.56% - 36 - <td></td>	
106C 106B 753.87 753.71 0.47% - 34 - <td></td>	
108I 108 753.56 753.20 0.40% - - 89 - - - - - 108 107 753.12 751.70 0.50% - - - - - 287 - 107D 107B 752.36 751.95 1.02% -	
108 107 753.12 751.70 0.50% - - - - - 287 - - 1070 1078 752.36 751.95 1.02% -	
107D 107B 752.36 751.95 1.02% -	
107C 107B 752.65 752.40 1.02% - 25 -	0 -
107B 107A 751.92 751.70 0.70% -	
107A 107 751.70 751.60 0.67% -	1 -
107H 107F 753.17 752.35 2.02% - - 41 - - - - - 1076 107F 752.59 752.36 0.94% - 25 - <td>5 -</td>	5 -
107G 107F 752.59 752.36 0.94% - 25 -	
107F 107E 752.22 752.10 0.39% - - 31 - - - - - 107 107 752.10 752.00 0.40% - - 25 -	
107E 107 752.10 752.00 0.40% - - 25 - - - - - 108G 108H 753.85 753.80 0.23% - - - 21 -	
108H 108I 753.80 753.56 0.51% 47	. <u>-</u>
108M 108K 754.35 754.02 0.40% 63	
108K 108J 754.02 753.75 0.51% 43	
108J 108l 753.75 753.66 0.96% 9	
109 108F 755.50 754.93 2.07% - 28	
108F 108E 753.93 753.75 0.46% 39	
108E 108B 753.75 753.65 0.46% 22	
108B 108A 753.65 753.43 0.50% 44	
108A 108 753.43 753.20 0.50% 46	
108D 108C 754.40 754.19 0.92% - 23	
108C 108B 754.19 754.00 1.00% - 19	
108N 108M 754.60 754.40 0.94% - 21	
108O 108N 755.80 755.00 3.55% - 23	
108L 108M 754.98 754.61 2.46% 15	

STORM SEWER-PIPE

						608.0312	608.0318	608.0324	608.0412	608.0418	608.0336	608.0342	608.2329	608.2334
						STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12 INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18- INCH	STORM SEWER PIPE REINFORECED CONCRETE CLASS III 36- INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH	STORM SEWER PIPE REINFORCED CONCRET HORIZONTAL ELLIPTICA CLASS HE-III 34X53-INC
CATECORY	FROM STRUCTURE	TO STRUCTURE	START INVERT ELEVATION (FT)	END INVERT ELEVATION (FT)	CLODE							15	15	1.5
CATEGORY		SIRUCIURE	ELEVATION (FT)	ELEVATION (FT)	SLOPE	LF	LF	LF	LF	LF	LF	LF	LF	LF
1000	STAGE 2 CONT.	200F	700.22	750.00	1.00%	22	T							
-	200H		760.23	760.00		23	-	-	-	-	-	-	-	-
	200F	200E	759.90	759.48	0.50%	-	-	85	-	-	-	-	-	-
	200C	200	758.00	757.50	0.75%	-	-	67	-	-	-	-	-	-
	200R	200L	759.70	759.40	2.10%	-	-	14	-	-	-	-	-	-
-	200Q	200L	759.90	759.20	0.83%	-	-	84	-	-	-	-	-	-
	200L	200P	759.20	759.00	1.00%	-	- 24	19	-	-	-	-	-	-
-	2000	200N	759.22	759.10	0.51%	-	24	- 10	-	-	-	-	-	-
-	200N	200M 200P	759.10	759.00 758.96	0.50% 0.42%	-	-	18	-	-	-	-	-	-
	200M		759.00 758.50			-	-	10	-	-	-	-	-	-
-	200P	2001		758.20	0.51%	-	-	60	-	-	-	-	-	-
	200I 300D	200 200J	758.00	757.82 758.90	0.49%	-	38	38	-	-	-	-	-	-
			759.29		1.01%	-		- 22	-	-	-	-	-	-
	200K	200J	758.65	758.40	0.78%	-	-	32	-	-	-	-	-	-
_	200J	2001	758.38	758.10	0.50% 0.96%	-	-	57	-	-	-	-	-	-
	200B	201	761.50	761.00		-	52	-	- 22	-	-	-	-	-
	300B	300C	762.69	762.50	0.88%	-	-	-	22	-	-	-	-	-
-	300C	300D	762.48	762.12	1.00%	-	-	-	36	-	-	-	-	-
	300E	200B	761.92	761.50	1.01%	-			42	-				
_	300F	300E	762.06	761.95	0.51%	-	- 10	-	-	21	-	-	-	-
-	300A	300 400E	760.00	759.50	2.81%	-	18	-	-	-	-	-	-	-
	400F	 	759.82	759.40	1.00%	-	42		-	-	-	-	-	-
-	400E	400D	758.90	758.60	0.94%	-	-	32	-	-	-	-	-	-
	400D	400C	758.51	758.20	0.99%	-	-	31	-	-	-	-	-	-
-	400C	400B	758.10	758.00 757.10	1.99%	-	-	5	-	-	-	-	-	-
	password	400A	757.45	757.10	1.13%	-	-	31	-	-	-	-	-	-
-	400A	300	757.00	756.00	1.26%	-	- 14	79	-	-	-	-	-	-
	500B	500A	759.80	759.60	1.39%	-	14	-	-	-	-	-	-	-
-	500D	500C	759.80	759.60	1.33%	-	15	-	-	-	-	-	-	-
 	500C	500a	759.50	758.68	1.39%	- 22	59	1 107	100	- 21	-	- E10	-	-
					GE 2 SUBTOTAL PROJECT TOTAL	23 80	496 702	1,197	100	21	287 743	1,006	86 86	28

STORM SEWER-STRUCTURES

	STRUCTURE			RIM		611.0530 MANHOLE COVERS TYPE J	611.0535 MANHOLE COVERS TYPE J-SPECIAL	611.0612 INLET COVERS TYPE C	611.0624 INLET COVERS TYPE H	611.0639 INLET COVERS TYPE H-S	611.0642 INLET COVERS TYPE MS	DIAMETER	611.1006 CATCH BASINS 6-FT DIAMETER
CATEGORY	NUMBER	STATION	OFFSET	ELEVATION (FT)	DEPTH (FT)	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000	STAGE 1		T	T	Τ	T	T	T	1		1	T	
	100	38R+86	27.9 LT	758.74	13.28	1	-	-	-	-	-	-	-
	100A	38R+87	0.3 LT	759.82	14.04	-	1	-	-	-	-	-	-
	101	40R+47	4.9 LT	757.75	10.14	-	1	-	-	-	-	-	-
	101A	40R+47	23.8 LT	757.38	4.34	-	-	-	1	-	-	-	-
	101B	40R+60	24.3 LT	757.37	3.77	-	-	-	1	-	-	-	-
	101C	40R+46	21.8 RT	757.42	5.29	-	-	-	1	-	-	1	-
	101D	40R+61	23.3 RT	757.39	4.65	-	-	-	1	-	-	1	-
	101E	40R+57	39.5 RT	756.83	4.88	-	-	-	-	-	2	-	-
	101F	40R+03	50.2 LT	753.87	3.37	-	-	-	-	-	2	-	-
	101G	39R+75	46.0 LT	754.85	3.50	-	-	1	-	-	-	-	-
	102	42R+98	0.0 LT	760.74	10.34	-	1	-	-	-	-	-	-
	103	43R+52	7.1 LT	761.37	7.86	-	1	-	-	-	-	-	-
	103A	43R+56	29.5 LT	760.98	4.38	-	-	-	1	-	-	-	-
	103B	43R+68	30.6 RT	761.20	4.62	-	-	-	1	-	-	-	-
	103C	43R+95	53.5 RT	761.29	5.39	-	-	-	-	-	1	-	-
	103D	46R+25	33.9 RT	762.15	3.35	-	-	-	-	-	1	-	-
	104	47R+54	4.2 LT	762.32	5.20	-	1	-	-	-	-	-	-
	104A	47R+25	44.5 LT	759.62	3.41	-	-	-	-	-	2	-	-
	104B	47R+53	27.2 LT	761.86	4.91	-	-	-	1	-	-	-	-
	104C	47R+53	17.5 RT	762.06	5.09	-	-	-	1	-	-	-	-
	104D	47R+40	28.7 RT	759.20	2.93	-	-	-	-	-	2	-	-
	104E	48R+00	35.4 LT	761.06	4.55	-	-	-	-	-	2	-	-
	105	10MEB+77	0.0 RT	760.26	9.45	-	1	-	-	-	-	-	-
	105A	10MEB+76	29.5 LT	759.67	5.03	-	-	-	1	-	-	-	-
	105B	10MEB+77	29.5 RT	759.68	5.06	-	-	-	1	-	-	-	-
				STAC	GE 1 SUBTOTAL	1	6	1	10	0	12	2	0

TYPE	DEPTH (FT)
MANHOLE J, JS	0.75
INLET C	0.75
INLET H	0.375
ADJUSTMENT RINGS	0.5

STORM SEWER GENERAL NOTES

- 1) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES UNLESS OTHERWISE NOTED.
- 2) TOP OF STRUCTURE ELEVATIONS = RIM/GRATE ELEVATION
- 3) STRUCTURE DEPTH = RIM ELEVATION INVERT ELEVATION RING ADJUSTMENTS (0.5') CASTING DEPTH.
- 4) ADJOINING 2 SECTIONS OF STORM SEWER PIPE JOINT TIES ARE INCIDENTAL TO REINFORCED CONCRETE PIPE, STORM SEWER.
- 5) CONTRACTOR SHALL VERIFY EXISITING PIPE SIZES, MATERIALS AND INVERT ELEVATIONS WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING STRUCTURES.
- 6) STATION/OFFSET OF INLETS AND MANHOLES IS AT CENTER OF STRUCTURE.
- 7) STATION/OFFSETS FOR APRON ENDWALLS ARE TO END OF PIPE WHERE IT CONNECTS TO THE ENDWALL

PROJEC	CT NO:1517-75-77	HWY:STH 441/USH 10	COUNTY: WINNEBAGO	MISCELLANEOUS QUANTITIES	SHEET	E
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STORM SEWER-STRUCTURES

						611.0530	611.0535	611.0612	611.0624	611.0639	611.0642	611.1005	611.1006
						MANHOLE COVERS	MANHOLE COVERS	INLET COVERS	INLET COVERS	INLET COVERS		CATCH BASINS 5-FT	
	STRUCTURE			RIM		TYPE J	TYPE J-SPECIAL	TYPE C	TYPE H	TYPE H-S	TYPE MS	DIAMETER	DIAMETER
CATEGORY	NUMBER	STATION	OFFSET	ELEVATION (FT)	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000						1		1			Ī	1	<u> </u>
	106	13MWB+60	9.8 RT	759.12	7.18	1	-	-	-	-	-	-	-
	106A	12MWB+64	29.5 LT	758.50	3.77	-	-	-	1	-	-	-	-
	106B	12MEB+62	4.7 LT	759.59	8.04	1	-	-	-	-	-	-	-
	106C	12MEB+65	29.5 RT	758.51	3.77	-	-	-	1	-	-	-	-
	107	15MEB+91	19.9 LT	758.05	5.20	1	-	-	-	-	-	-	-
	107A	16MWB+03	1.5 RT	757.01	4.44	-	-	-	-	1	-	-	1
	107B	16MWB+08	29.5 LT	756.52	3.73	-	-	-	-	1	-	-	1
	107C	16MWB+31	29.5 LT	756.56	3.04	-	-	-	1	-	-	-	-
	107D	16MWB+13	69.2 LT	755.29	2.93	-	-	-	-	-	2	-	-
	107E	16MEB+07	1.5 LT	757.02	4.05	-	-,	-	-	1	-	-	-
	107F	16MEB+07	29.5 RT	756.53	3.44	-	-	-	-	1	-	-	-
	107G	16MEB+33	29.5 RT	756.58	3.12	-	-	-	1	-	-	-	-
	107H	15MEB+83	63.4 RT	762.71	9.54	-	-	-	-	-	2	-	-
	108	18MEB+75	25.5 LT	760.67	6.30	1	-	-	-	-	-	-	-
	108A	19MWB+02	30.5 LT	759.52	5.22	-	-	-	1	-	-	-	-
	108B	0MNWB+75	1.5 RT	759.05	4.53	-	-	-	-	1	-	1	-
	108C	241MNW+14	16.5 LT	759.23	4.17	-	-	-	-	1	-	-	-
	108D	241MNW+28	1.5 RT	759.14	3.87	-	-	-	-	1	-	-	-
	108E	0MNWB+87	16.5 LT	758.78	4.16	-	-	-	-	1	-	1	-
	108F	1MNWB+26	16.9 LT	759.13	4.33	-	-	-	1	-	-	1	-
	108H	19MWB+72	29.5 LT	760.50	5.83	-	-	-	1	-	-	-	-
	1081	19MWB+80	17.2 RT	760.80	7.24	-	-	-	1	-	-	-	1
	108J	19MEB+65	13.5 LT	761.20	6.58	-	-	-	1	-	-	-	-
	108K	19MEB+61	29.5 RT	760.41	5.52	-	-	-	1	-	-	-	-
	108M	240MSW+50	1.5 RT	759.45	4.23	-	-	-	-	1	-	-	1
	108N	240MSW+50	19.8 LT	758.90	3.43	-	-	-	-	1	-	-	-
	200B	24MWB+10	35.0 LT	766.50	4.13	-	-	-	1	-	-	-	-
	200C	23MWB+24	29.5 LT	764.93	6.06	-	-	-	1	-	-	-	-
	200E	243MNE+30	1.5 LT	764.45	4.25	-	-	-	-	1	-	-	-
	200F	244MNE+19	1.5 LT	765.50	4.73	-	-	-	1	-	-	-	-
	200G	243MNE+42	21.5 RT	764.15	4.20	-	-	-	-	1	-	-	-
	200H	244MNE+19	21.5 RT	765.16	4.06	-	-	-	1	-	-	-	-

STORM SEWER-STRUCTURES

						611.0530	611.0535	611.0612	611.0624	611.0639	611.0642	611.1005	611.1006
						MANHOLE COVERS TYPE J	MANHOLE COVERS TYPE J-SPECIAL	INLET COVERS TYPE C	INLET COVERS TYPE H	INLET COVERS TYPE H-S	INLET COVERS TYPE MS	CATCH BASINS 5-FT DIAMETER	CATCH BASINS 6-F1
CATECORY	STRUCTURE	CTATION	OFFCET	RIM	DEDTIL	FACIL	FACIL	FACIL	FACIL	FACIL	FACIL	FACIL	FACIL
CATEGORY	NUMBER STAGE 3 CONT	STATION	OFFSET	ELEVATION (FT)	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000	STAGE 2 CONT.	22N4ED - C1	20 F DT	705.01	C 74				1 1				1
	2001	23MEB+61	30.5 RT 32.0 RT	765.61	6.74	-	-	-	1	<u>-</u>	-	-	1
	200J 200K	24MEB+15 24MEB+25	62.1 RT	766.04 763.76	6.79 5.11	-	-	-	_	-	1	-	-
	200K	240MSE+49	1.5 LT	763.76	4.66		-	-	-	1	-	-	
	200L 200M	240MSE+54	26.1 RT	764.73	5.06	-		-					-
	200N	240MSE+47	42.8 RT	764.93	4.63	-	-	-	-	1	-	-	-
		240MSE+23	37.4 RT	764.50	4.43	-	-	-	-	1	-	-	-
	2000 200P	240MSE+55	16.5 RT	765.03	5.66	-	-	-	_		<u>-</u>	-	-
	200P	239MSE+65	1.5 LT	765.71	4.94	-	-	-	1	1	-	-	-
	200Q 200R	240MSE+50	15.8 LT	763.71	3.69	_	-	-	_	<u>-</u>	2	-	-
	200Z	23MWB+28	0.0 RT	765.565	15.21	1	-	-	_			-	-
	300A	25MWB+81	55.9 LT	765.69	5.69	-		-	-	-	1	-	-
	300A 300B	24MWB+74	1.5 RT	765.69	5.82	-	-	-	1	<u>-</u>		-	-
	300C	24MEB+61	1.5 LT	766.60	6.33	-	-	_	1	-	_	-	-
	300D	24MEB+51	29.5 RT	766.27	6.11	-	-	_	1	-	_	-	-
	300E	23MWB+93	1.5 RT	766.29	11.42	-	-	<u>-</u>	_	1	<u>-</u>	-	-
	300E	23MEB+90	3.6 LT	766.22	7.15	-	-	_	-	1	<u>-</u>	-	-
	400A	26MWB+51	29.5 LT	765.09	7.22	_	-	_	1	-	_	-	_
	400B	26MWB+51	1.5 RT	765.59	7.27	_	-	_	1	_	_	-	-
	400C	26MEB+53	1.5 LT	765.52	6.55	_	_	_	1		_	_	_
	400D	26MEB+49	29.5 RT	765.05	5.67	-	-	_	1	-	_	-	-
	400E	81EARL+75	22.1 LT	764.97	5.20	_	-	_	1	-	_	_	-
	400E	81EARL+75	20.1 RT	765.00	4.31	-	-	_	1	-	_	-	-
	500A	28MEB+93	29.5 LT	764.03	3.66	_	_	_	-	1	_	-	-
	500B	28MEB+79	29.6 LT	764.05	3.38	-	_	_	1	-	_	-	-
	500C	28MEB+93	29.5 RT	764.03	3.66	-	-	_	-	1	_	-	-
	500D	28MEB+78	29.5 RT	764.03	3.36	-	-	-	1	-	_	-	-
	3000	20.7120170	25.5 1(1	1	E 2 SUBTOTAL		0	0	29	20	8	3	5
	ı				ROJECT TOTAL	•	6	1	39	20	20	5	5

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STORM SEWER-STRUCTURES

	STRUCTURE	27.17.01		RIM ELEVATION		DIAMETER	DIAMETER	SPV.0060.100 MANHOLES 10-FT DIAMETER	611.3004 INLETS 4-FT DIAMETER	611.3230 INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	611.3902 INLETS MEDIAN 2 GRATE
CATEGORY	NUMBER	STATION	OFFSET	(FT)	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000	STAGE 1			1 1		<u> </u>	T	<u> </u>		1	1	
	100	38R+86	27.9 LT	758.74	13.28	-	1	-	-	-	-	-
	100A	38R+87	0.3 LT	759.82	14.04	-	1	-	-	-	-	-
	101	40R+47	4.9 LT	757.75	10.14	1	-	-	-	-	-	-
	101A	40R+47	23.8 LT	757.38	4.34	-	-	-	1	-	-	-
	101B	40R+60	24.3 LT	757.37	3.77	-	-	-	-	1	-	-
	101C	40R+46	21.8 RT	757.42	5.29	-	-	-	-	-	-	-
	101D	40R+61	23.3 RT	757.39	4.65	-	-	-	-	-	-	-
	101E	40R+57	39.5 RT	756.83	4.88	-	-	-	-	-	-	1
	101F	40R+03	50.2 LT	753.87	3.37	-	-	-	-	_	-	1
	101G	39R+75	46.0 LT	754.85	3.50	-	-	-	1	-	-	-
	102	42R+98	0.0 LT	760.74	10.34	-	1	-	-	-	-	-
	103	43R+52	7.1 LT	761.37	7.86	1	-	-	-	-	-	-
	103A	43R+56	29.5 LT	760.98	4.38	-	-	-	-	1	-	-
	103B	43R+68	30.6 RT	761.2	4.62	-	-	-	1	-	-	-
	103C	43R+95	53.5 RT	761.29	5.39	-	-	-	-	-	1	-
	103D	46R+25	33.9 RT	762.15	3.35	-	-	-	-	-	1	-
	104	47R+54	4.2 LT	762.32	5.20	1	-	-	-	-	-	-
	104A	47R+25	44.5 LT	759.62	3.41	-	-	-	-	-	-	1
	104B	47R+53	27.2 LT	761.86	4.91	-	-	-	1	-	-	-
	104C	47R+53	17.5 RT	762.06	5.09	-	-	-	1	-	-	-
	104D	47R+40	28.7 RT	759.20	2.93	-	-	-	-	-	-	1
	104E	48R+00	35.4 LT	761.06	4.55	-	-	-	-	-	-	1
	105	10MEB+77	0.0 RT	760.26	9.45	1	-	-	-	-	-	-
	105A	10MEB+76	29.5 LT	759.67	5.03	-	-	-	-	1	-	-
	105B	10MEB+77	29.5 RT	759.68	5.06	-	-	-	-	1	-	-
				STAGE	1 SUBTOTAL	4	3	0	5	4	2	5

STORM SEWER-STRUCTURES

						611.2006	611.2008	SPV.0060.100	611.3004	611.3230	611.3901	611.3902
	STRUCTURE			RIM ELEVATION		DIAMETER	DIAMETER	MANHOLES 10-FT DIAMETER	INLETS 4-FT DIAMETER	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	2 GRATE
CATEGORY	NUMBER	STATION	OFFSET	(FT)	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000	STAGE 2					1				1	1	
	106	13MWB+60	9.8 RT	759.12	7.18	1	-	-	-	-	-	-
	106A	12MWB+64	29.5 LT	758.50	3.77	-	-	-	-	1	-	-
	106B	12MEB+62	4.7 LT	759.59	8.04	1	-	-	-	-	-	-
	106C	12MEB+65	29.5 RT	758.51	3.77	-	-	-	-	1	-	-
	107	15MEB+91	19.9 LT	758.05	5.20	-	-	1	-	-	-	-
	107A	16MWB+03	1.5 RT	757.01	4.44	-	-	-	-	-	-	-
	107B	16MWB+08	29.5 LT	756.52	3.73	-	-	-	-	-	-	-
	107C	16MWB+31	29.5 LT	756.56	3.04	-	-	-	-	1	-	-
	107D	16MWB+13	69.2 LT	755.29	2.93	-	-	-	-	-	-	1
	107E	16MEB+07	1.5 LT	757.02	4.05	-	-	-	1	-	-	-
	107F	16MEB+07	29.5 RT	756.53	3.44	-	-	-	1	-	-	-
	107G	16MEB+33	29.5 RT	756.58	3.12	-	-	-	-	1	-	-
	107H	15MEB+83	63.4 RT	762.71	9.54	-	-	-	-	-	-	1
	108	18MEB+75	25.5 LT	760.67	6.30	-	1	-	-	-	-	-
	108A	19MWB+02	30.5 LT	759.52	5.22	-	-	-	1	-	-	-
	108B	0MNWB+75	1.5 RT	759.05	4.53	-	-	-	-	-	-	-
	108C	241MNW+14	16.5 LT	759.23	4.17	-	-	-	-	1	-	-
	108D	241MNW+28	1.5 RT	759.14	3.87	-	-	-	-	1	-	-
	108E	0MNWB+87	16.5 LT	758.78	4.16	-	-	-	-	-	-	-
	108F	1MNWB+26	16.9 LT	759.13	4.33	-	-	-	-	-	-	-
	108H	19MWB+72	29.5 LT	760.50	5.83	-	-	-	-	1	-	-
	1081	19MWB+80	17.2 RT	760.80	7.24	-	-	-	-	-	-	-
	108J	19MEB+65	13.5 LT	761.20	6.58	-	-	-	1	-	-	-
	108K	19MEB+61	29.5 RT	760.41	5.52	-	-	-	1	-	-	-
	108M	240MSW+50	1.5 RT	759.45	4.23	-	-	-	-	-	-	-
	108N	240MSW+50	19.8 LT	758.90	3.43	-	-	-	-	1	-	-
	200B	24MWB+10	35.0 LT	766.50	4.13	-	-	-	-	1	-	-
	200C	23MWB+24	29.5 LT	764.93	6.06	-	-	-	1	-	-	-
	200E	243MNE+30	1.5 LT	764.45	4.25	-	-	-	-	-	-	-
	200F	244MNE+19	1.5 LT	765.50	4.73	-	-	-	1	-	-	-
	200G	243MNE+42	21.5 RT	764.15	4.20	-	-	-	-	-	-	-
	200H	244MNE+19	21.5 RT	765.16	4.06	-	-	-	-	1	-	-

						611.2006	611.2008	SPV.0060.100	611.3004	611.3230	611.3901	611.3902
						MANHOLES 6-FT DIAMETER	MANHOLES 8-FT DIAMETER	MANHOLES 10-FT DIAMETER	INLETS 4-FT DIAMETER	INLETS 2X3-FT	INLETS MEDIAN 1 GRATE	INLETS MEDIAN 2 GRATE
CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION (FT)	DEPTH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1000	STAGE 2 CONT.	317111011	011321	1 (117	DEITH	Erteri	Exert	Ericii	Erteri	Erteri	Enen	Erterr
	2001	23MEB+61	30.5 RT	765.61	6.74	_	_	-	_	_	_	_
	200J	24MEB+15	32.0 RT	766.04	6.79	-	-	-	1	-	-	-
	200K	24MEB+25	62.1 RT	763.76	5.11	-	-	-	-	-	1	-
	200L	240MSE+49	1.5 LT	764.73	4.66	-	-	-	1	-	-	-
	200M	240MSE+54	26.1 RT	764.93	5.06	-	-	-	1	-	-	-
	200N	240MSE+47	42.8 RT	764.60	4.63	-	-	-	1	-	-	-
	2000	240MSE+23	37.4 RT	764.52	4.43	-	-	-	-	1	-	-
	200P	240MSE+55	16.5 RT	765.03	5.66	-	-	-	1	-	-	-
	200Q	239MSE+65	1.5 LT	765.71	4.94	-	-	-	1	-	-	-
	200R	240MSE+50	15.8 LT	763.39	3.69	-	-	-	-	-	-	1
	200Z	23MWB+28	0.0 RT	765.57	15.21	1	-	-	-	-	-	-
	300A	25MWB+81	55.9 LT	765.69	5.69	-	-	-	-	-	1	-
	300B	24MWB+74	1.5 RT	766.69	5.82	-	-	-	-	1	-	-
	300C	24MEB+61	1.5 LT	766.60	6.33	-	-	-	=	1	-	-
	300D	24MEB+51	29.5 RT	766.27	6.11	-	-	-	-	1	-	-
	300E	23MWB+93	1.5 RT	766.29	11.42	-	-	-	-	1	-	-
	300F	23MEB+90	3.6 LT	766.22	7.15	-	-	-	-	1	-	-
	400A	26MWB+51	29.5 LT	765.09	7.22	-	-	-	1	-	-	-
	400B	26MWB+51	1.5 RT	765.59	7.27	-	-	-	-	1	-	-
	400C	26MEB+53	1.5 LT	765.52	6.55	-	-	-	-	1	-	-
	400D	26MEB+49	29.5 RT	765.05	5.67	-	-	-	1	-	-	-
	400E	81EARL+75	22.1 LT	764.97	5.20	-	-	-	1	-	-	-
	400F	81EARL+75	20.1 RT	765.00	4.31	-	-	-	-	1	-	-
	500A	28MEB+93	29.5 LT	764.03	3.66	-	-	-	1	-	-	-
	500B	28MEB+79	29.6 LT	764.05	3.38	-	-	-	-	1	-	-
	500C	28MEB+93	29.5 RT	764.03	3.66	-	-	-	-	1	-	-
	500D	28MEB+78	29.5 RT	764.03	3.36	-	-	-	-	1	-	-
					2 SUBTOTAL	*	1	1	17	22	2	3
				PR	OJECT TOTAL	. 7	4	1	22	26	4	8

STORM SEWER-STRUCTURES

EROSION	MAT

						628.2006 EROSION MAT URBAN	
						CLASS I	
						TYPE A	
CATEGORY	STATION			OFFSET	LOCATION	SY	REMARKS
1000	37R+31	-	1211100	RT	RACINE RD	471	
	37R+59	-	49R+57	LT	RACINE RD	1,054	
	43R+38	-	49R+57	RT	RACINE RD	665	
	RACINE	SU	BTOTAL			2,190	
	10MEB+52	-	18MEB+98	RT	MIDWAYRD	1,925	
	10MWB+53	-	18MWB+59	LT	MIDWAY RD	1,876	
	12MEB+35	-	19MEB+05	R/L	MIDWAY RD	1,943	MEDIAN ISLAND
	19MWB+37	-	21MWB+04	LT	MIDWAY RD	320	
	19MEB+43	-	21MEB+46	RT	MIDWAY RD	707	
	22MWB+75	-	23MWB+42	LT	MIDWAY RD	77	
	22MEB+89	-	23MEB+38	RT	MIDWAY RD	31	
	23MEB+98	-	26MEB+75	RT	MIDWAY RD	543	
	23MWB+93	-	26MWB+84	LT	MIDWAY RD	485	
	27MEB+22	-	29MEB+77	RT	MIDWAY RD	243	
	27MWB+35	-	29MWB+77	LT	MIDWAY RD	300	
	240MNW+64	-	242MNW+00	R/L	MNW	1,327	
	240MSW+08	-	241MSW+10	R/L	MSW	601	
	242MNE+62	-	244MNE+50	R/L	MNE	791	
	239MSE+77	-	241MSE+04	R/L	MSE	348	
	81EARL+39	-	81EARL+78	R/L	EARL ST	102	
			UNDISTRI	BUTED		3,453	
	MIDWAY	' SI	JBTOTAL			15,072	

PROJECT TOTAL 17,262

MOBILIZATIONS EROSION CONTROL

ŀ	CATEGORY 1000	LOCATION MIDWAY AND RACINE	EACH 6	EACH 4
			EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL
١			628.1905	628.1910

TRACKING PAD

				628.7560	
				TRACKING PAD	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
1000	VARIES	0	MIDWAY AND RACINE	4	UNDISTRIBUTED

PROJECT TOTAL

LANDSCAPING

			PROJECT TOTAL	17,261	12	318	476	396	
	MIDWAY SUBTOTAL			15,071	10	278	416	346	
	UNDISTE	RIBUTED		3452	2.20	63	94	78	
	81EARL+39 - 81EARL+78	R/L	EARL ST	102	0.10	2	3	3	
	239MSE+77 - 241MSE+04	R/L	MSE	348	0.30	7	10	8	
	242MNE+62 - 244MNE+50	R/L	MNE	791	0.50	15	22	18	
	240MSW+08 - 241MSW+10	R/L	MSW	601	0.40	11	17	14	
	240MNW+64 - 242MNW+00	R/L	MNW	1,327	0.90	24	36	30	
	27MWB+35 - 29MWB+77	LT	MIDWAY RD	300	0.20	6	9	7	
	27MEB+22 - 29MEB+77	RT	MIDWAY RD	243	0.20	5	7	6	
	23MWB+93 - 26MWB+84	LT	MIDWAY RD	485	0.40	9	14	11	
	23MEB+98 - 26MEB+75	RT	MIDWAY RD	543	0.40	10	15	13	
	22MEB+89 - 23MEB+38	RT	MIDWAY RD	31	0.10	1	1	1	
	22MWB+75 - 23MWB+42	LT	MIDWAY RD	77	0.10	2	3	2	
	19MEB+43 - 21MEB+46	RT	MIDWAY RD	707	0.50	13	20	16	
	19MWB+37 - 21MWB+04	LT	MIDWAY RD	320	0.30	6	9	8	WILDIAN ISLAND
	12MEB+35 - 19MEB+05	R/L	MIDWAY RD	1,943	1.30	35	53	44	MEDIAN ISLANI
	10MWB+53 - 18MWB+59	LT	MIDWAY RD	1,876	1.20	34	51	43	
	10MEB+52 - 18MEB+98	RT	MIDWAY RD	1,925	1.30	35	52	44	
	RACINE SUBTUTAL			2,190	2	40	60	50	
	43R+38 - 49R+57 RACINE SUBTOTAL	RT	RACINE RD	665	0.50	12	18	15	
	37R+59 - 49R+57	LT	RACINE RD	1,054	0.70	19	29	24	
1000	37R+31 - 42R+58	RT	RACINE RD	471	0.30	9	13	11	
CATEGORY	STATION	OFFSET	LOCATION	SY	CWT	LB	LB	MGAL	REMARKS
						NO. 40			
					TYPE B	MIXTURE	TEMPORARY	SEEDED AREAS	
				TOPSOIL	FERTILIZER	SEEDING	SEEDING	WATER FOR	
				625.0100	629.0210	630.0140	630.0200	SPV.0120.150	

EROSION CONTROL ITEMS

								T	
				628.1504	628.1520	628.7504	628.7555	628.7570	
				SILT	SILT	TEMPORARY	CULVERT	ROCK	
				FENCE	FENCE	DITCH	PIPE	BAGS	
					MAINTENANCE	CHECKS	CHECKS		
CATEGORY	STATION	OFFSET	LOCATION	LF	LF	LF	EACH	EACH	REMARKS
1000	46R+91	RT	RACINE RD	100	100	12	-	-	
	49R+74	RT	RACINE RD	100	100	12	-	-	
	49R+74	LT	RACINE RD	75	75	12	-	-	
	19MWB+71	50.9 LT	MIDWAY RD	75	75	-	4	-	
	241MNW+54	68.1 LT	MNW	75	75	-	4	-	
	UNDISTRIBUTI	ΞD		125	125	10	2	100	
			PROJECT TOTAL	550	550	46	10	100	

COUNTY: WINNEBAGO HWY:STH 441/USH 10

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME : S:\PDS\C3D\WIS441\15177570_72_77_85\SHEETSPLAN\1517-75-77\030200-MQ.OLD\030201.DWG LAYOUT NAME - 030201 - 030222_MQ

PROJECT NO:1517-75-77

PLOT DATE: 11/30/2018 6:58 AM

PLOT BY : SLEZAK, KIMBERLY A PLOT NAME :

PLOT SCALE : ########

Ε

INLET PROTECTION FOR EROSION CONTROL

				628.7005	628.7010	628.7015	628.7020	
				INLET	INLET	INLET	INLET	
					PROTECTION	PROTECTION	PROTECTION	
				TYPE A	TYPE B	TYPE C	TYPE D	
CATEGORY	STATION	OFFSET	LOCATION	EACH	EACH	EACH	EACH	DESCRIPTION
								Existing inlet to be
1000	11MEB+98	LT	Midway RD	-	-	1	-	re move d
						_		Existing inlet to be
	12MEB+47	LT	Midway RD	-	-	1	-	re move d
	12N4ED - 07		NA: decree DD			1		Existing inlet to be
	12MEB+97	LT	Midway RD	-	-	1	-	re move d
	121450.00	ОТ	NA: durant DD			1		Existing inlet to be
	12MEB+99	RT	Midway RD	-	-	1	-	re move d
	121450.07	0.7	NA: duna u DD			1		Existing inlet to be
	13MEB+97	RT	Midway RD	-	-	1	-	re move d
	121450.00	1.7	MidwayBD			1		Existing inlet to be
	13MEB+98	LT	Midway RD	-	-	1	-	re move d
	121450.00		NA: donard DD			1		Existing inlet to be
	13MEB+99	LT	Midway RD	-	-	1	-	re move d
	1 4 N 4 E D . O 1		NA: document D.D.			1		Existing inlet to be
	14MEB+91	LT	Midway RD	-	-	1	-	re move d
	1 4 8 4 5 D . O 1		NA: donard DD			1		Existing inlet to be
	14MEB+91	LT	Midway RD	-	-	1	-	re move d
	1.48450 . 05	рт	NA: decree DD			1		Existing inlet to be
	14MEB+95	RT	Midway RD	-	-	1	-	re move d
	1 CN 4 ED . O 4		NA: donor DD			1		Existing inlet to be
	16MEB+94	LT	Midway RD	-	-	1	-	re move d
	17MEB+85	LT	Midway RD		_	1		Existing inlet to be
	1/IVIED+65	LI	MIUWAYKD	-	-	1	-	re move d
	17MEB+89	LT	Midway RD	_	_	1		Existing inlet to be
	1/IVIED+69	LI	Wildway KD		-	1	-	re move d
	17MEB+92	RT	Midway RD			1		Existing inlet to be
	17 IVIL D+32	IX I	Wildway ND		_	1	-	re move d
	17MEB+94	RT	Midway RD			1		Existing inlet to be
	1710160+34	17.1	Wildway ND	<u>-</u>	_		-	re move d
	19MEB+28	LT	 Midway RD			1	_	Existing inlet to be
	13WLD+20	LI	Wildway ND	<u>-</u>	_	1	-	re move d
	19MEB+30	LT	Midway RD	_	_	1	_	Existing inlet to be
	13101110+30	LI	Wildway ND	<u>-</u>	-	1	-	re move d
	21MEB+06	LT	 Midway RD	_	_	1	_	Existing inlet to be
	ZIVILD+00		Wildway ND		_	_	-	re move d
	22MEB+42	LT	 Midway RD	_	_	1	_	Existing inlet to be
	ZZIVILD (4Z	L1	Wildway ND				_	re move d
	22MEB+58	LT	Midway RD	_	_	1	_	Existing inlet to be
	ZZIVILUTJO	LI	IVII G VV G Y IND	-			-	re move d
	28MEB+87	LT	 Midway RD	_	_	1	_	Existing inlet to be
	2014120107	-1	i i i i a vva y i i D	_	_		-	re move d
	28MEB+88	RT	Midway RD	_	_	1	_	Existing inlet to be
			avvay ND					re mo ve d
	MIDWAY S	UBTOTAL		0	0	22	0	

					628.7005	628.7010	628.7015	628.7020	
					INLET	INLET	INLET	INLET	
						PROTECTION	PROTECTION	PROTECTION	
					TYPE A	TYPE B	TYPE C	TYPE D	
TEGORY	STATION	OFFSET	STRUCTURE	LOCATION	EACH	EACH	EACH	EACH	DESCRIPTION
1000	10MEB+76	29.5 LT	105A	MIDWAY RD		-	2	-	
	10MEB+77	29.5 RT	105B	MIDWAY RD		-	2	-	
	12MWB+64	29.5 LT	106A	MIDWAY RD		-	2	-	
	12MEB+65	29.5 RT	106C	MIDWAY RD		-	2	-	
	16MWB+03	1.5 RT	107A	MIDWAY RD		-	2	-	
	16MWB+08	29.5 LT	107B	MIDWAY RD		-	-	2	
•	16MWB+31	29.5 LT	107C	MIDWAY RD		-	-	2	
	16MWB+13	69.2 LT	107D	MIDWAY RD	1	-	-	-	
	16MEB+07	1.5 LT	107E	MIDWAY RD		-	2	-	
	16MEB+07	29.5 RT	107F	MIDWAY RD		-	-	2	
	16MEB+33	29.5 RT	107G	MIDWAY RD		-	2	-	
	15MEB+83	63.4 RT	107H	MIDWAY RD	1	-	-	-	
	19MWB+02	30.5 LT	108A	MIDWAY RD		-	2	-	
	0MNWB+75	1.5 RT	108B	MNWB		4	2	ı	
	241MNW+14	16.5 LT	108C	MNW		-	2	-	
	241MNW+28	1.5 RT	108D	MNW		-	2	-	
_	0MNWB+87	16.5 LT	108E	MNWB		-	2	-	
	1MNWB+26	16.9 LT	108F	MNWB		-	2	-	
	19MWB+72	29.5 LT	108H	MIDWAY RD		-	2	-	
	19MWB+80	17.2 RT	1081	MIDWAY RD		-	2	-	
	19MEB+65	13.5 LT	108J	MIDWAY RD		-	2	-	
	19MEB+61	29.5 RT	108K	MIDWAY RD		-	2	-	
	240MSW+50	1.5 RT	108M	MSW		-	2	-	
	240MSW+50	19.8 LT	108N	MSW		-	2	-	
}	24MWB+10	35.0 LT	200B	MWB		-	2	-	
	MIDWAY SUI	BIUIAL			2	0	40	6	

			1			r			r
					628.7005	628.7010	628.7015	628.7020	
					INLET	INLET	INLET	INLET	
					PROTECTION	PROTECTION	PROTECTION	PROTECTION	
					TYPE A	TYPE B	TYPE C	TYPE D	
CATEGORY	STATION	OFFSET	STRUCTURE	LOCATION	EACH	EACH	EACH	EACH	DESCRIPTION
1000	23MWB+24	29.5 LT	200C	MIDWAY RD		-	2	-	
	243MNE+30	1.5 LT	200E	MNE		-	2	-	
	244MNE+19	1.5 LT	200F	MNE		-	2	-	
	243MNE+42	21.5 RT	200G	MNE		-	2	-	
	244MNE+19	21.5 RT	200H	MNE		-	2	-	
	23MEB+61	30.5 RT	2001	MIDWAY RD		-	2	-	
	24MEB+15	32.0 RT	200J	MIDWAY RD		-	2	-	
	24MEB+25	62.1 RT	200K	MIDWAY RD	1	-	-	-	
	240MSE+49	1.5 LT	200L	MSE		-	2	-	
	240MSE+54	26.1 RT	200M	MSE		-	2	-	
	240MSE+47	42.8 RT	200N	MSE		-	2	-	
	240MSE+23	37.4 RT	2000	MSE		-	2	-	
	240MSE+55	16.5 RT	200P	MSE		-	2	-	
	239MSE+65	1.5 LT	200Q	MSE		-	2	-	
	240MSE+50	15.8 LT	200R	MSE	1	-	-	-	
	25MWB+81	55.9 LT	300A 300B	MIDWAY RD	1	-	-	-	
	24MWB+74	1.5 RT	300B	MIDWAY RD MIDWAY RD		-	2	-	
	24MEB+61	1.5 LT	300D	MIDWAY RD		_	2		
	24MEB+51	29.5 RT	300E	MIDWAY RD		-	2	-	
	23MWB+93	1.5 RT	300F	MIDWAY RD		-	2	-	
	23MEB+90	3.6 LT	400A	MIDWAY RD		-	2	-	
	26MWB+51	29.5 LT							
	26MWB+51	1.5 RT	400B	MIDWAY RD		-	2	-	
	26MEB+53	1.5 LT	400C	MIDWAY RD		-	2	-	
	26MEB+49	29.5 RT	400D	MIDWAY RD		-	2	-	
	81EARL+75	22.1 LT	400E	EARL ST		-	2	-	
	81EARL+75	20.1 RT	400F	EARL ST		-	2	-	
	28MEB+93	29.5 LT	500A	MIDWAY RD		-	-	2]
	28MEB+79	29.6 LT	500B	MIDWAY RD		-	2	-	
	28MEB+93	29.5 RT	500C	MIDWAY RD		-	-	2	
	28MEB+78	29.5 RT	500D	MIDWAY RD		-	2	-	
	MIDWAY S				3	0	52	4	
			M	DWAY TOTAL	5	0	114	10	
						-			

INLET PROTECTION FOR EROSION CONTROL CONTINUED

					628.7005	628.7010	628.7015	628.7020	
					INLET	INLET	INLET	INLET	
					PROTECTION	PROTECTION	PROTECTION	PROTECTION	
					TYPE A	TYPE B	TYPE C	TYPE D	
CATEGORY	STATION	OFFSET	STRUCTURE	LOCATION	EACH	EACH	EACH	EACH	DESCRIPTION
1000	40R+47	23.8 LT	101A	RACINE RD	-	-	-	2	
	40R+60	24.3 LT	101B	RACINE RD	-	1	1	-	
	40R+46	21.8 RT	101C	RACINE RD	-	-	-	2	
	40R+61	23.3 RT	101D	RACINE RD	-	1	1	-	
	40R+57	39.5 RT	101E	RACINE RD	1	-	-	-	
	40R+03	50.2 LT	101F	RACINE RD	1	-	1	1	
	39R+75	46.0 LT	101G	RACINE RD	1	-	-	-	
	43R+56	29.5 LT	103A	RACINE RD	-	1	1	-	
	43R+68	30.6 RT	103B	RACINE RD	-	1	1	-	
	43R+95	53.5 RT	103C	RACINE RD	1	-	-	-	
	46R+25	33.9 RT	103D	RACINE RD	1	-	-	-	
	47R+25	44.5 LT	104A	RACINE RD	1	-	-	-	
	47R+53	27.2 LT	104B	RACINE RD	-	1	1	-	
	47R+53	17.5 RT	104C	RACINE RD	-	1	1	-	
	47R+40	28.7 RT	104D	RACINE RD	1	-	-	-	
	48R+00	35.4 LT	104E	RACINE RD	1	-	-	-	
	RACINE S	UBTOTAL			8	6	6	4	
						_			

PROJECT TOTAL 13 120 14

PROJECT NO:1517-75-77

HWY:STH 441/USH 10

COUNTY: WINNEBAGO

MISCELLANEOUS QUANTITIES

SHEET

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ERECTION OF TYPE II SIGNS AND SUPPORTS

				637. 2210	637. 2215	637. 2230	634, 0614	634. 0616	634, 0618	634, 0620	
					SI GNS FOLDI NG		POSTS	POSTS	POSTS	POSTS	
				TYPE II	TYPE II	TYPE II	WOOD	WOOD	WOOD	WOOD	
SI GN		SI GN		REFLECTI VE H	REFLECTI VE H	REFLECTI VE F	4x6x14	4x6x16	4x6x18	4x6x20	
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	S. F.	EACH	EACH	EACH	EACH	REMARKS
1	CTH AP, E. OF EARL STREET	J1-2	48" X 39"	13. 00			1				SEE PLAN SHEET
2	"	D1-72	120" X 60"	50. 00					3		SEE SIGN DETAIL SHEET
4-Mar	VACANT										
5	CTH AP, E. OF EARL STREET	W10- 1	36" X 36"			7. 07		1			
6	"	W10- 1A	24" X 12"			2. 00					MOUNT BELOW SIGN #5
7		R2-1	24" X 30"	5. 00			1				35 MPH
8	CTH AP, W. OF EARL STREET	M1 - 5A	24" X 24"	4. 00			1				
9	EARL STREET	R1-1	30" X 30"	5. 18			1				
10 11	CTH AP, W. OF EARL STREET VACANT	R4-7	24" X 30"	5. 00			1				
12	CTH AP, W. OF EARL STREET	R5- 1A	36" X 24"	6. 00							MOUNT ON BACK OF SIGN #11A
13	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R3- 2	24" X 24"	4. 00				1			MOUNT ON DACK OF SIGN #11A
14	" "	J3-2	48" X 57"	19. 00				1			MOUNT TO BACK OF SIGN 13
15	USH 10/STH 441 OFF-RAMP TO CTH AP	W10-2	36" X 36"	10.00		9. 00		1			MOUNT TO BROK OF STUN TO
16	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R4- 7	24" X 30"	5. 00		0.00	1				
17	USH 10/STH 441 OFF-RAMP TO CTH AP	R5- 1	30" X 30"	6. 25			1				
18	"	R6- 2L	24" X 30"	5. 00			_				MOUNT WITH SIGN 20B
19	USH 10/STH 441 OFF-RAMP TO CTH AP	R1-2	36" X 31"	3. 88				1			
20	п	R5- 1	30" X 30"	6. 25			1				
20A	"	R6- 1R	36" X 12"	3. 00							MOUNT ABOVE SIGN 20B
20B	II.	R1-1	36" X 36"	7. 46					1		
20C	"	R6-3	30" X 24"	5. 00							MOUNT BELOW SIGN 20B
21	"	W12-1D	24" X 24"			4. 00	1				
22	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R5- 1	30" X 30"	6. 25			1				
22A	USH 10/STH 441 OFF-RAMP TO CTH AP	R1-1	36" X 36"	7. 46				1			
23	CTH AP, BETWEEN RAMP TERMINI FOR USH 10	R5- 1A	36" X 24"	6. 00				1			
24	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R5- 1	30" X 30"	6. 25			1				
25	"	R11-54F	48" X 30"		10. 00			1			
25A	"	R6- 2L	24" X 30"	5. 00							MOUNT ABOVE SIGN 25
26	"	D1-71	90" X 84"	52. 50						3	SEE SIGN DETAIL
27		D1-70	72" X 42"	21. 00			1				MOUNT TO BACK OF SIGN 26, SEE SIGN DETAIL
28 29	CTH AP ON-RAMP TO USH 10 CTH AP, BETWEEN RAMP TERMINI FOR USH 10	R5- 57 R5- 1A	36" X 36" 36" X 24"	9. 00 6. 00			1	1			
29A	CIH AP, BEIWEEN RAMP TERMINI FOR USH TO	J2-2	48" X 57"	19. 00				1			MOUNT TO BACK OF SIGN 29
30	CTH AP, AT USH 10/STH 441 RAMP TERMINI		24" X 24"								MOUNT ON BACKSIDE OF SIGN #22
31	CTH AP, BETWEEN RAMP TERMINI FOR USH 10	W10-1	36" X 36"	4.00		7. 07					MOUNT ON BACKSI DE OF SI GN #23
32	"	W10- 1A	24" X 12"			2. 00					MOUNT BELOW SIGN #31
33	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R3- 1	24" X 24"	4. 00		2. 55	1				
34	"	R5- 1	30" X 30"	6. 25			_				MOUNT ON BACK OF SIGN #33
35	п	R5- 1	30" X 30"	6. 25			1				
36	USH 10/STH 441 OFF-RAMP TO CTH AP	W12-1D	24" X 24"			4. 00	1				
36A	"	R6-1R	36" X 12"	3. 00							MOUNT ABOVE SIGN 36B
36B	"	R1-1	36" X 36"	7. 46					1		
36C	"	R6-3	30" X 24"	5. 00							MOUNT BELOW SIGN 36B
36D	"	R6- 2L	24" X 30"	5. 00							
36E		R1-1	36" X 36"	7. 46				1			
37	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R4-7	24" X 30"	5. 00		ļ	1				
38	USH 10/STH 441 OFF-RAMP TO CTH AP	R5-1	30" X 30"	6. 25		ļ	1				
39	CTH AP, AT USH 10/STH 441 RAMP TERMINI	J3- 2	48" X 57"	19. 00		ļ					MOUNT TO BACK OF SIGN 49
40A	"	J2-2	48" X 57"	19. 00		 		1			MOUNTE TO DACK OF CLOSE 40 CER CLOSE PERSON
40	" "	D1-70	84" X 36"	21. 00		 					MOUNT TO BACK OF SIGN 40, SEE SIGN DETAIL
41	DACE CUIDTOTAL C	D1-71	84" X 84"	49. 00	10.00	25 14	17	10	5	6	SEE SIGN DETAIL
	PAGE SUBTOTALS			459. 15	10. 00	35. 14	17	10	э	ь	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

ERECTION OF TYPE II SIGNS AND SUPPORTS

				637. 2210	637. 2215	637. 2230	634, 0614	634. 0616	634, 0618	634, 0620	
				SIGNS	SIGNS FOLDING		POSTS	POSTS	POSTS	POSTS	
				TYPE II	TYPE II	TYPE II	WOOD	WOOD	WOOD	WOOD	
SIGN		SI GN			REFLECTI VE H			4x6x16	4x6x18	4x6x20	
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	S. F.	EACH	EACH	EACH	EACH	REMARKS
42	CTH AP ON-RAMP TO USH 10/STH 441	R5- 57	36" X 36"	9. 00			1				
43	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R5- 1	30" X 30"	6. 25			1				
44	п	R2-2L	24" X 30"	5. 00				1			
45	11	R11-54F	48" X 30"		10. 00						MOUNT BELOW SIGN 44
46	USH 10/STH 441 OFF-RAMP TO CTH AP	R1-2	36" X 31"	3. 88				1			
47-48	VACANT										
49	CTH AP, AT USH 10/STH 441 RAMP TERMINI	R3-2	24" X 24"	4. 00				1			
50	CTH AP, W. OF RAMP TERMINI	R5- 1A	36" X 24"	6. 00				1			
51	VACANT										
52	VACANT										
53	VACANT										
54	CTH AP, W. OF RAMP TERMINI	M1 - 5A	24" X 24"	4. 00			1				SEE PLAN SHEET
54A	11	R2-1	24" X 30"	5. 00			1				35 MPH
55	11	J1-2	48" X 39"	13. 00			1				SEE PLAN SHEET
56	11	R5- 1A	36" X 24"	6. 00							MOUNT ON BACKSIDE OF SIGN #55
57	CTH AP, E. OF CTH P/RACINE ST	D1-72	120" X 60"	50. 00					3		SEE SIGN DETAIL SHEET
58	11	R4-7	24" X 30"	5. 00			1				
59	11	J1-2	48" X 39"	13. 00			1				JCT USH 10, JCT STH 441
60	11	D1-60	90" X 36"	22. 50			2				SEE SIGN DETAIL SHEET
61	11	R5-1	30" X 30"	6. 25							MOUNT ON BACKSIDE OF SIGN #60
62	11	R1-1	36" X 36"	7. 46			1				
63	CTH P/RACINE ST	R2-1	24" X 30"	5. 00			1				35 МРН
64	11	J13-2	48" X 45"	15. 00				1			SEE PLAN SHEET
65	11	W1 - 7	48" X 24"			8. 00	1				
66	11	J13-2	48" X 45"	15. 00				1			SEE PLAN SHEET
67	11	J13-1	24" X 45"	7. 50				1			SEE PLAN SHEET
68	11	J1-1	24" X 36"	6. 00				1			SEE PLAN SHEET
PAGE SUBTOTALS					10. 00	8. 00	12	8	3	0	
					00.00	40.44		10		0	
	PROJECT TOTALS			673. 99	20. 00	43. 14	29	18	8	6	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

REMOVAL OF TYPE II SIGN AND SUPPORTS

			638. 2602	638. 3000	
			REMOVI NG		
			SI GNS	SMALL SIGN	
SIGN		SI GN	TYPE II	SUPPORTS	
	LOCATI ON	CODE			DEMADEC
NO.	CTH AP, E. OF EARL STREET	W10- 1	EACH	EACH	REMARKS
101	CIH AP, E. UF EARL STREET		1	1	MOUNTED DELOW CLON #101 DADE OF DEMOVAL FOR CLON #101
102	11	W10-9P			MOUNTED BELOW SIGN #101, PART OF REMOVAL FOR SIGN #101
103	"	R2-1	1	1	
103A		W3-3	1	1	
104	EARL STREET	R1-1	1	1	
105	CTH AP, W. OF EARL STREET	J1-2	1	1	
106	"	R4-7	1	1	
107		R5- 1A	1	1	
108	VACANT		_		
109	CTH AP, AT RAMP TERMINI TO USH 10/STH 441	J3-2	1	1	
110	II .	J3-2	1	1	
111	"	R11-54F			MOUNTED BELOW SIGN #110, PART OF REMOVAL FOR SIGN #110
112	VACANT				
113	CTH AP, AT RAMP TERMINI TO USH 10/STH 441	R11-54F	1	1	
114	CTH AP ON-RAMP TO USH 10	R5- 57	1	1	
115	VACANT				
116	VACANT				
117	VACANT				
118	VACANT				
119	VACANT				
120	VACANT				
121	VACANT				
122	CTH AP, AT RAMP TERMINI TO USH 10/STH 441	W10- 1	1	1	
123	11	W10-9P			MOUNTED BELOW SIGN #122, PART OF REMOVAL FOR SIGN #122
124	II .	R4- 7	1	1	
125	II.	R5- 1	1	1	
126	II.	R3-1			MOUNTED ON BACK OF SIGN #125, PART OF REMOVAL FOR SIGN #125
127	CTH AP, BETWEEN USH 10 RAMP TERMINI	R5- 1A	1	1	
128	VACANT				
129	VACANT				
130	CTH AP, BETWEEN USH 10 RAMP TERMINI	J2-2	1	1	
131	VACANT				
132	CTH AP, BETWEEN USH 10 RAMP TERMINI	J3-2	1	1	
133	"	R5- 1			MOUNTED ON BACK OF SIGN #132, PART OF REMOVAL FOR SIGN #132
134	CTH AP, AT RAMP TERMINI TO USH 10/STH 441	R4-7	1	1	, , , , , , , , , , , , , , , , , , , ,
135	"	R3-1	1	1	
136	VACANT				
137	VACANT				
138	VACANT				
	DACE CUDTOTALC	<u> </u>	10	10	

PAGE SUBTOTALS 19 19

PLAN SHEET PRODUCED BY WisDOT - NE REGION

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REMOVAL OF TYPE II SIGN AND SUPPORTS

			638. 2602	638. 3000	
			REMOVI NG		
			SI GNS	SMALL SIGN	
SI GN		SIGN	TYPE II	SUPPORTS	
NO.	LOCATI ON	CODE	EACH	EACH	REMARKS
139	VACANT				
140	VACANT				
141	VACANT				
142	VACANT				
143	VACANT				
144	VACANT				
145	CTH AP RAMP TERMINAL	R6-2L	1	1	
146	VACANT				
147	VACANT				
148	CTH AP, W. OF RAMP USH 10 TERMINI	R5- 1	1	1	
149	"	R5-1A	1	1	
150	"	W3-3	1	1	CITY TO REMOVE AND KEEP ENGINE BRAKING SIGN
151	"	W3-3	1	1	
152	"	J1-2	1	1	
153	"	R5- 1A			MOUNTED ON BACK OF SIGN #152, PART OF REMOVAL FOR SIGN #152
154	"	J1-2	1	1	
155	CTH AP, W. OF CTH P/RACINE RD	D1-60	1	2	
156	"	R5-1			MOUNTED ON BACK OF SIGN #155, PART OF REMOVAL FOR SIGN #155
157	"	R4-7	1	1	
158	"	M1 - 5A	1	1	
159	"	R2-1			MOUNTED BELOW SIGN #158, PART OF REMOVAL FOR SIGN #158
160		R1-1	1	1	
161	CTH P/RACINE RD	J13-2	1	1	
162	п	M1 - 5A	1	1	
163	п	W1 - 7			MOUNTED BELOW SIGN #162, PART OF REMOVAL FOR SIGN #162
164	п	J13-2	1	1	
165	п	R2-1	1	1	
166	п	W3-3	1	1	
167	п	J1-1	1	1	
168	II .	W3-3	1	1	
<u>-</u>	DACE SURTOTALS	*	10	10	

PAGE SUBTOTALS 18 19

PROJECT TOTALS 37 38

PLAN SHEET PRODUCED BY WisDOT - NE REGION

MARKING LINE EPOXY 4-INCH

						646.1020			
				MARKING LINE	12.5-FT LINE	MARKING LINE	12.5-FT LINE	3-FT LINE	
				EPOXY 4-INCH	37.5-FT GAP	EPOXY 4-INCH	37.5-FT GAP	9-FT SKIP	
				YELLO	DW O		WHITE		
CATEGORY	STATION	OFFSET	LOCATION	LF	LF	LF	LF	LF	REMARKS
1000	2R+39 - 10	R+04 RT	RACINE RD	-	-	764	-	-	
	11R+13 - 14	R+15 RT	RACINE RD	-	-	301	-	-	
	14R+25 - 25	R+97 RT	RACINE RD	-	-	1,173	-	-	
	26R+28 - 28	R+12 RT	RACINE RD	-	-	184	-	-	
	28R+65 - 33	3+46 RT	RACINE RD	-	-	482	-	-	
	34R+07 - 36	R+20 RT	RACINE RD	-	-	214	-	-	
	36R+20 - 36	R+63 RT	RACINE RD	-	-	-	-	11	
	2R+39 - 13	R+73 LT	RACINE RD	-	-	1,134	-	-	
	13+83 - 23	3+24 LT	RACINE RD	-	-	942	-	-	
	23R+97 - 25I	R+79 LT	RACINE RD	-	-	182	-	-	
	23+97 - 25	i+79 LT	RACINE RD	-	-	182	-	-	
	26R+28 - 36	R+63 LT	RACINE RD	-	-	1,035	-	-	
	2R+39 - 11	R+08 R/L	RACINE RD	-	218	-	-	-	
	6R+52 - 13	R+97 R/L	RACINE RD	745	-	-	-	-	
	11R+08 - 13	R+94 R/L	RACINE RD	286	-	-	-	-	
	14R+04 - 29	R+23 R/L	RACINE RD	1,519	-	-	-	-	
	14R+07 - 29	R+23 R/L	RACINE RD	1,515	-	-	-	-	
	29R+23 - 38I	R+73 R/L	RACINE RD	-	238	-	-	-	
	37R+59 - 40I	R+03 RT	RACINE RD	-	-	244	-	-	BIKE LANE
	40R+03 - 41	R+43 RT	RACINE RD	-	-	-	-	35	BIKE LANE
	41R+43 - 42	R+23 RT	RACINE RD	-	-	80	-	-	BIKE LANE
	43R+68 - 49	R+57 RT	RACINE RD	-	-	589	-	_	BIKE LANE
	37R+59 - 49I	R+57 LT	RACINE RD	-	-	1,199	-	-	BIKE LANE
	38R+73 - 42I	R+29 R/L	RACINE RD	1,427	-	-	-	-	DOUBLE LINES
	43R+68 - 49	R+57 R/L	RACINE RD	1,863	-	-	-	-	DOUBLE LINES
	RACINE SUBTO	ΓAL		7,356	456	8,706	0	46	

MARKING LINE EPOXY 4-INCH CONTINUED

2 1 1 1	STATION 10MEB+76 - 12MEB+33 26MEB+60 - 29MEB+77 10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31 19MEB+47 - 23MEB+34	OFFSET R/L R/L LT RT	LOCATION MIDWAY RD MIDWAY RD MIDWAY RD MIDWAY RD	MARKING LINE EPOXY 4-INCH YELLO LF 559 1,105	37.5-FT GAP	MARKING LINE EPOXY 4-INCH LF -		3-FT LINE 9-FT SKIP LF	REMARKS
1000 1 2 1 1 1 1	10MEB+76 - 12MEB+33 26MEB+60 - 29MEB+77 10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	R/L R/L LT RT RT	MIDWAY RD MIDWAY RD MIDWAY RD	YELLO LF 559 1,105	LF -	LF	WHITE LF	LF	
1000 1 2 1 1 1 1	10MEB+76 - 12MEB+33 26MEB+60 - 29MEB+77 10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	R/L R/L LT RT RT	MIDWAY RD MIDWAY RD MIDWAY RD	LF 559 1,105	LF -		LF		
1000 1 2 1 1 1 1	10MEB+76 - 12MEB+33 26MEB+60 - 29MEB+77 10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	R/L R/L LT RT RT	MIDWAY RD MIDWAY RD MIDWAY RD	559 1,105	-				
2 1 1 1	26MEB+60 - 29MEB+77 10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	R/L LT RT RT	MIDWAY RD MIDWAY RD	1,105	-	-	-	_	DOUBLE LINES
1 1 1	10MEB+76 - 18MEB+08 10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	LT RT RT	MIDWAY RD		_				DOUBLE LINES
1 1 1	10MEB+77 - 18MEB+36 18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	RT RT		_		-	-	-	DOUBLE LINES
1	18MEB+36 - 18MEB+86 19MEB+27 - 23MEB+31	RT	MIDWAY RD		-	763	-	-	BIKE LANE
1	19MEB+27 - 23MEB+31			-	-	744	-	-	BIKE LANE
			MIDWAY RD	-	-	-	-	13	BIKE LANE
1	19MEB+47 - 23MEB+34	LT	MIDWAY RD	-	-	392	-	-	BIKE LANE
<u> </u>		RT	MIDWAY RD	-	-	392	-	-	BIKE LANE
2	24MEB+34 - 25MEB+27	LT	MIDWAY RD	-	-	118	-	-	BIKE LANE
2	24MEB+29 - 24MEB+73	RT	MIDWAY RD	-	-	64	-	-	BIKE LANE
2	24MEB+81 - 26MEB+52	RT	MIDWAY RD	-	-	211	-	-	BIKE LANE
2	25MEB+33 - 28MEB+97	LT	MIDWAY RD	-	-	385	-	-	BIKE LANE
2	27MEB+46 - 28MEB+97	RT	MIDWAY RD	-	-	150	-	-	BIKE LANE
2	28MEB+97 - 29MEB+77	LT	MIDWAY RD	-	-	-	-	20	BIKE LANE
1	10MEB+76 - 18MEB+09	LT	MIDWAY RD	-	-	-	189	-	CENTER LINE
1	10MEB+76 - 18MEB+64	RT	MIDWAY RD	-	-	-	195	-	CENTER LINE
1	19MEB+27 - 22MEB+86	LT	MIDWAY RD	-	-	-	89	-	CENTER LINE
1	19MEB+76 - 22MEB+87	RT	MIDWAY RD	-	-	-	78	-	CENTER LINE
2	24MEB+00 - 24MEB+79	RT	MIDWAY RD	-	-	-	21	1	CENTER LINE
2	24MEB+33 - 25MEB+09	LT	MIDWAY RD	-	-	-	18	-	CENTER LINE
2	24MEB+90 - 29MEB+77	RT	MIDWAY RD	-	-	-	123	-	CENTER LINE
2	25MEB+22 - 29MEB+77	LT	MIDWAY RD	-	-	-	114	1	CENTER LINE
24	41MNW+21 - 242MNW+00	R/L	MNW	-	-	134	-	1	
2:	239MSE+25 - 240MSE+52	R/L	MSE	-	-	180	-	-	
24	40MSW+00 - 240MSW+12	LT	MSW	12	-	-	-	-	
24	40MSW+00 - 240MSW+12	LT	MSW	-	-	12	-	-	
	MIDWAY SUBTOTAL			1,677	0	3,546	827	33	

TOTAL 9,489 13,158

PROJECT TOTAL 22,647

						646.30	20	
						MARKING LINE	3-FT LINE	
						EPOXY 8-INCH	9-FT GAP	
						WHIT	E	
CATEGORY	ST.	ATIC	ON	OFFSET	LOCATION	LF	LF	REMARKS
1000	40R+03	-	41R+43	RT	Racine RD	0	35	
	41R+43	-	42R+23	RT	Racine RD	80	0	
	43R+68	-	46R+11	LT	Racine RD	243	0	
	RACINE	SUI	BTOTAL			324	35	
	19MEB+76	-	22MEB+83	R/L	MIDWAY RD	270	0	
	19MEB+87	-	22MEB+85	LT	MIDWAY RD	293	0	
	MIDWA	y su	BTOTAL			563	0	

PROJECT TOTAL

MARKING DIAGONAL EPOXY 12-INCH

						646.7120 MARKING DIAGNOAL EPOXY 12-INCH (YELLOW)	
CATEGORY	ST	ATI	ON	OFFSET	LOCATION	LF	REMARKS
1000	38R+73	-	42R+29	R/L	Racine RD	123	
	46R+11	-	49R+52	R/L	Racine RD	112	
	RACINE	SU	BTOTAL			235	
	11MEB+11	-	12MEB+28	R/L	Midway RD	17	
	26MEB+65	-	28MEB+97	R/L	Midway RD	39	
	MIDWA	Y SL	IBTOTAL			56	

PROJECT TOTAL 291

922

MARKING RAILROAD CROSSING EPOXY

						646.5320 MARKING RAILRAOD CROSSING EPOXY	
CATEGORY	S	TATIC	DN	OFFSET	LOCATION	EACH	REMARKS
1000	11R+22	-	13R+72	RT	RACINE RD	1	
	14R+29	-	16R+79	LT	RACINE RD	1	
	RACIN	IE SUE	BTOTAL			2	
	21MEB+99	-	24MEB+44	RT	Midway RD	1	
	25MEB+74	-	28MEB+24	LT	Midway RD	1	
	MIDW	AY SU	BTOTAL			2	

PROJECT TOTAL

						T T	
						646.8120	
						MARKING CURB	
						EPOXY (YELLOW)	
CATEGORY	S	TATIO	ON	OFFSET	LOCATION	LF	REMARKS
1000	12MEB+35	-	12MEB+40	LT	Midway RD	10	YELLOW
	18MEB+41	-	19MEB+05	LT	Midway RD	99	YELLOW
	19MEB+63	-	19MEB+92	LT	Midway RD	35	YELLOW
	22MEB+78	-	23MEB+01	LT	Mid way RD	42	YELLOW
	23MEB+76	-	24MEB+05	LT	Midway RD	47	YELLOW
	26MEB+52	-	26MEB+57	LT	Mid way RD	10	YELLOW

MARKING CURB EPOXY

PROJECT TOTAL

243

MARKING ISLAND NOSE EPOXY

				646.8220	
				MARKING ISLAND	
				NOSE EPOXY	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
1000	12MEB+30	LT	Midway RD	1	YELLOW
	19MEB+10	LT	Midway RD	1	YELLOW
	19MEB+58	LT	Midway RD	1	YELLOW
	23MEB+03	LT	Midway RD	1	YELLOW
	23MEB+76	LT	Midway RD	1	YELLOW
	26MEB+64	LT	Mi dway RD	1	YELLOW

PROJECT TOTAL

6

PROJECT NO:1517-75-77 HWY: STH 441/USH 10

COUNTY: WINNEBAGO

MISCELLANEOUS QUANTITIES

SHEET

PLOT SCALE : ********

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MARKING ARROW EPOXY (WHITE)

				646.5020	
				MARKING ARROW EPOXY WHITE	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
	41R+68	RT	Racine RD	1	TYPE 2
	42R+20	RT	Racine RD	1	TYPE 2
	44R+21	LT	Racine RD	1	TYPE 2
	45R+86	LT	Racine RD	1	TYPE 2
	RACINE SU	IBTOTAL		4	
	20MEB+01	LT	Midway RD	1	TYPE 2
	20MEB+28	LT	Midway RD	1	TYPE 2
	22MEB+38	LT	Midway RD	1	TYPE 2
	22MEB+59	LT	Midway RD	1	TYPE 2
	241MNW+92	LT	MNW	1	TYPE 2
	239MSE+25	RT	MSE	1	TYPE 2
	MIDWAY S	UBTOTAL		6	

PROJECT TOTAL 10

MARKING WORD EPOXY (WHITE)

				646.5120	
				MARKING	
				WORD EPOXY	
				WHITE	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
1000	44R+62	LT	Racine RD	1	Turn Lane Only
	RACINE SU	BTOTAL		1	
	20MEB+66	LT	Midway RD	1	Turn Lane Only
	21MEB+98	LT	Midway RD	1	Turn Lane Only
	MIDWAY SI	UBTOTAL		2	

PROJECT TOTAL 3

MARKING CROSSWALK EPOXY TRANVERSE LINE 6-INCH (WHITE)

				646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6- INCH WHITE	
CATEGORY	STATION	OFFSET	LOCATION	LF	REMARKS
1000	10MEB+53	R/L	Mi dway RD	147	
	240MNW+64	R/L	MNW	31	
	240MNW+68	R/L	MNW	75	
	242MNE+59	R/L	MNE	99	
	241MSW+09	R/L	MSW	89	
	241MSE+06	R/L	MSE	46	
	241MSE+07	R/L	MSE	30	

PROJECT TOTAL 517

TRAFFIC CONTROL 1517-75-77

			643.5000	
CATEGORY	STATION	LOCATION	EACH	REMARKS
1000	VARIES	MIDWAY AND RACINE	1	

PROJECT TOTAL 1

TRAFFIC CONTROL

UNDISTRIBUTED PROJECT TOTAL		-	-	- 272	-	2,658	-	- 3,668	-	- 3,458	8 8	4 4	-	- 28
LANE CLOSURE WITH FLAGGING OPERATION	14	1	-	-	14	196	20	280	26	364	-	-	-	-
HAUL ROAD REPAIR STAGE 3														
MAINLINE CLOSURE	68	-	4	272	19	1,292	26	1,768	23	1,564	-	_	_	-
MIDWAY RD STAGE 2														
MAINLINE CLOSURE	45	-	-	=	26	1,170	36	1,620	34	1,530	-	-	_	-
TRAFFIC CONTROL ADVANCE WARNING	7	-	-	-	-	-	_	-	_	-	-	-	4	28
RACINE RD STAGE 1														
DESCRIPTION OF WORK	DAYS	LS	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	EACH	EACH	DAY
		TEMPORARY PORTABLE RUMBLE STRIPS	COI BARF	AFFIC NTROL RICADES /PE II	со	AFFIC NTROL ADES TYPE III	CC WA	TRAFFIC CONTROL		FFIC TROL GNS	TRAFFIC CONTROL COVERING SIGNS TYPE I	TRAFFIC CONTROL COVERING SIGNS TYPE II	CONT	AFFIC ROLSIGNS PCMS
		643.0310.S	643	3.0410	64	3.0420	64	3.0705	643.	0900	643.0910	643.0920	64	3.1050

					1
				SPV.0060.650	SPV.0090.651
				ADJUSTING SANITARY	SANITARY LATERAL
				MANHOLE COVERS	4-INCH
CATEGORY	STATION	LOCATION	OFFSET	EACH	LF
1700	36R+91	RACINE RD	LT	1	-
	40R+60	RACINE RD	LT	1	-
	43R+52	RACINE RD	LT	1	-
	45R+50	RACINE RD	RT	-	50
	46R+27	RACINE RD	LT	1	-
	46R+78	RACINE RD	LT	1	-
	48R+50	RACINE RD	LT	1	-
	RACINE SUBTOTAL	•		6	50
	24MEB+42	MIDWAY RD	RT	1	-
	27MEB+19	MIDWAY RD	RT	1	-
	29MEB+26	MIDWAY RD	RT	1	-
	29MEB+25	MIDWAY RD	LT	1	-
	MIDWAY SUBTOTAL		-	4	0
		DDOIECT TOTAL		10	EO.

PROJECT TOTAL

10

50

3

RAMP GATE REMOVALS

653.0905 REMOVING PULL BOXES

INTERSECTION	EACH
CATEGORY 1200	
MSW ON RAMP	1
MNE ON RAMP	1
TOTALS	2

RAMP GATE ITEMS

		654.0105	657.0255	662.1026.S	662.1040.S
			TRANSFORMER		
			BASES	RAMP	RAMP
		CONCRETE	BREAKAWAY	CLOSURE	CLOSURE
		BASES	11 1/2-INCH	GATE	GATE
		TYPE 5	BOLT CIRCLE	26-FT	40-FT
INTERCHAGNE	ITEM ID	EACH	EACH	EACH	EACH
CATEGORY 1200					
MSW ON	RAMP GATE A	1	1	-	1
MNE ON	RAMP GATE B & C	2	2	2	-
TOTALS		3	3	2	1

			POLES, AR	ilio, a Lu	MITHATKES			
/IS 441 Lighting	- Contract 15	17-75-77						
				654.0107	657.0210	657.0337	657.0730	659.1125
CATEGORY	SYSTEM	LOCATION	STATION	CONCRETE	TRANSFORMER	POLES TYPE	LUMINAIRE	LUMINAIRES
				BASES TYPE	BASES	17-ALUMINUM	ARMS TRUSS	UTILITY LE
				7	BREAKAWAY 15-		TYPE 6-	С
					17 INCH BOLT		INCH CLAMP	
					CIRCLE		12-FT	
				EACH	EACH	EACH	EACH	EACH
1100	MIDWAY ROAD	SL201	STA 240+00	1	1	1	1	1
	MSE RAMP	SL202	STA 237+65	1	1	1	1	1
		SL203	STA 235+25	1	1	1	2	2
		SL204	STA 232+50	STR	STR	1	1	1
		SL205	STA 229+90	1	1	1	1	1
		SL206	STA 227+40	1	1	1	1	1
		SL207	STA 224+90	1	1	1	1	1
ROJECT TOTAL				6	6	7	8	8

TO 444 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0				CONDUIT &	WIRING							
IS 441 Lighting CATEGORY	- Contract 1517 SYSTEM	-75-77 CB/POLE/PB	FROM	CB/POLE/PB	ТО					652.0225	655.0610	655.0615	655.0620
						# OF	# OF	# OF	CONDUIT	CONDUIT RIGID	ELECTRICAL	ELECTRICAL	ELECTRICAL
						CONDUITS	PHASE	GROUND	INSTALLED	NONMETALLIC	WIRE	WIRE	WIRE
								CONDUCTORS	BY OTHERS	SCHEDULE 40 2-	LIGHTING	LIGHTING	LIGHTING 8
									2. 0	INCH	12 AWG	10 AWG	AWG
										I F	I F	I F	I F
										LI	LI	LI	LI
1100	CTH AP	CB 200	STA 24+52	LPB201	STA 24+41	4	4	1		96	_	40	160
	MIDWAY ROAD	LPB201	STA 24+41	LPB202	STA 24+22	2	4	1		252	=	142	568
		LPB202	STA 24+22	SL201	STA 240+00	1	4	1		125	165	141	564
		SL201	STA 240+00	SL202	STA 237+65	1	4	1		235	165	251	1004
		SL202	STA 237+65	LPB203	STA 237+57	1	4	1	-	8	-	24	96
		LPB203	STA 237+57	LJB001	STA 235+35	1	4	1	222	STR	-	238	952
		LJB001	STA 235+35	LPB204	STA 235+35	1	4	1	-	42	-	58	232
		LPB204	STA 235+35	SL203	STA 235+25	1	4	1	-	10	330	26	104
		SL203	STA 235+25	LPB204	STA 235+35	1	4	1	10	-	-	26	104
		LPB204	STA 235+35	LJB001	STA 235+35	1	4	1	42	-	-	58	232
		LJB001	STA 235+35	SL204	STA 232+50	1	4	1	285	STR	165	301	1204
		SL204	STA 232+50	LPB205	STA 229+96	1	4	1	254	STR	-	270	1080
		LPB205	STA 229+96	SL205	STA 229+90	1	4	1	-	6	165	22	88
		SL205	STA 229+90	SL206	STA 227+40	1	4	1	-	250	165	266	1064
		SL206	STA 227+40	SL207	STA 224+90	1	2	1	-	250	165	266	532
		SL207	STA 224+90	STUB-OUT	STA 224+84	1	-	-	-	6	-	-	-
		LPB201	STA 24+41	LPB206	STA 242+75	4	-	-	-	384	-	-	-
		LPB206	STA 242+75	LPB213	STA 243+08	2	-	-	-	204	-	-	-
ROJECT TOTAL										1868	1320	2129	7984

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

HWY: USH 10 MISCELLANEOUS QUANTITIES SHEET NO: PROJECT NUMBER: 1517-75-77 COUNTY: WINNEBAGO

PULL BOXES & JUNCTION BOXES

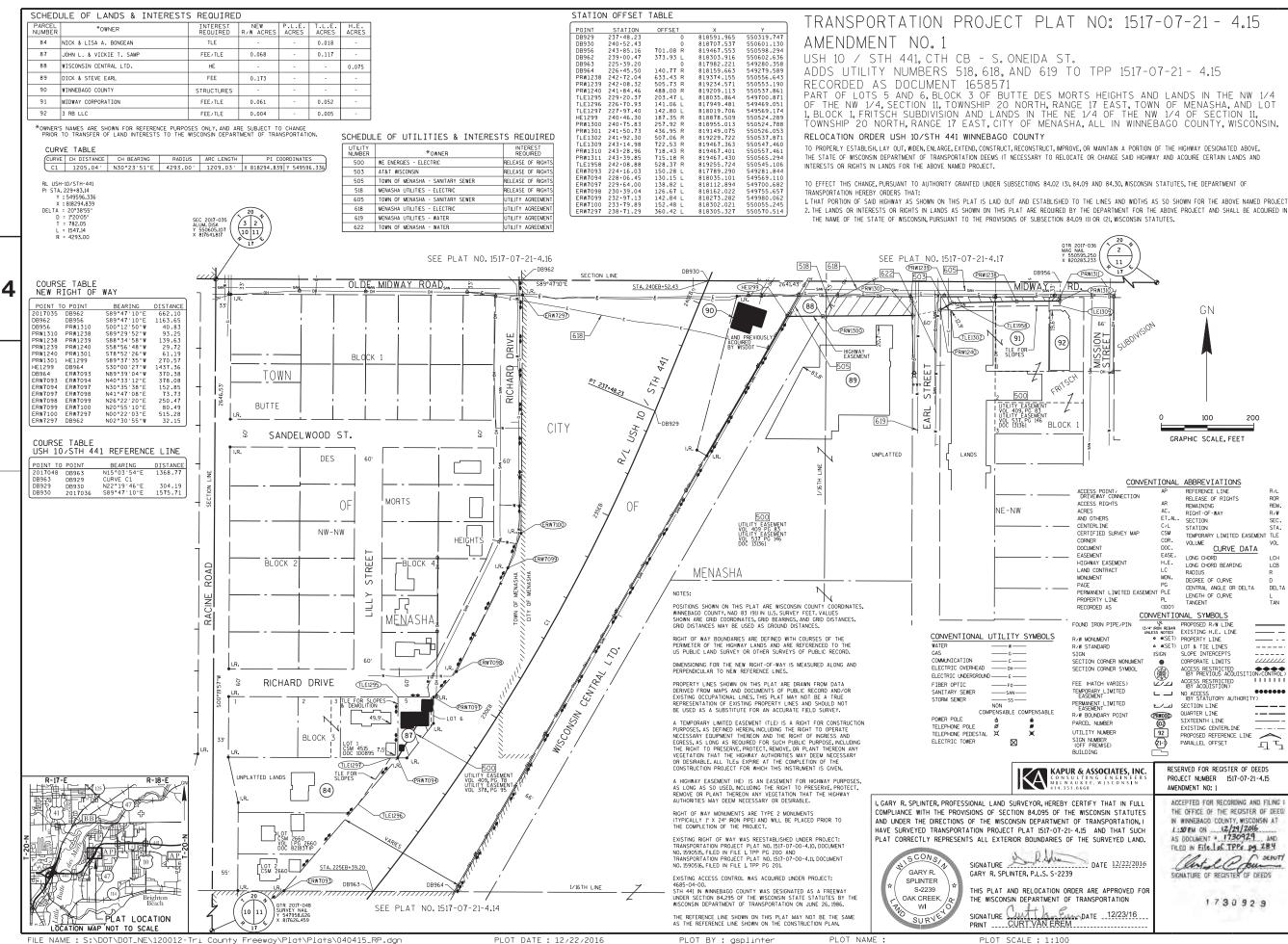
WIS 441 Lighting	- Contract 15	17-75-77				
CATEGORY	SYSTEM	DESCRIPTION	STATION	OFFSET		653.0164
						PULL BOXES
						NON -
						CONDUCTIVE
						24X42-INCH
						EACH
1100	CTH AP					
	MIDWAY ROAD	LPB201	STA 24+41	50.00	LT	1
	MSE RAMP	LPB202	STA 24+22	48.00	RT	1
		LPB203	STA 237+57	30.00	RT	1
		LPB204	STA 235+35	17.00	LT	1
		LPB205	STA 229+96	31.00	RT	1
		LPB206	STA 242+75	7.00	LT	1
		LPB213	STA 243+08	48.00	RT	1
PROJECT TO	TAL					7

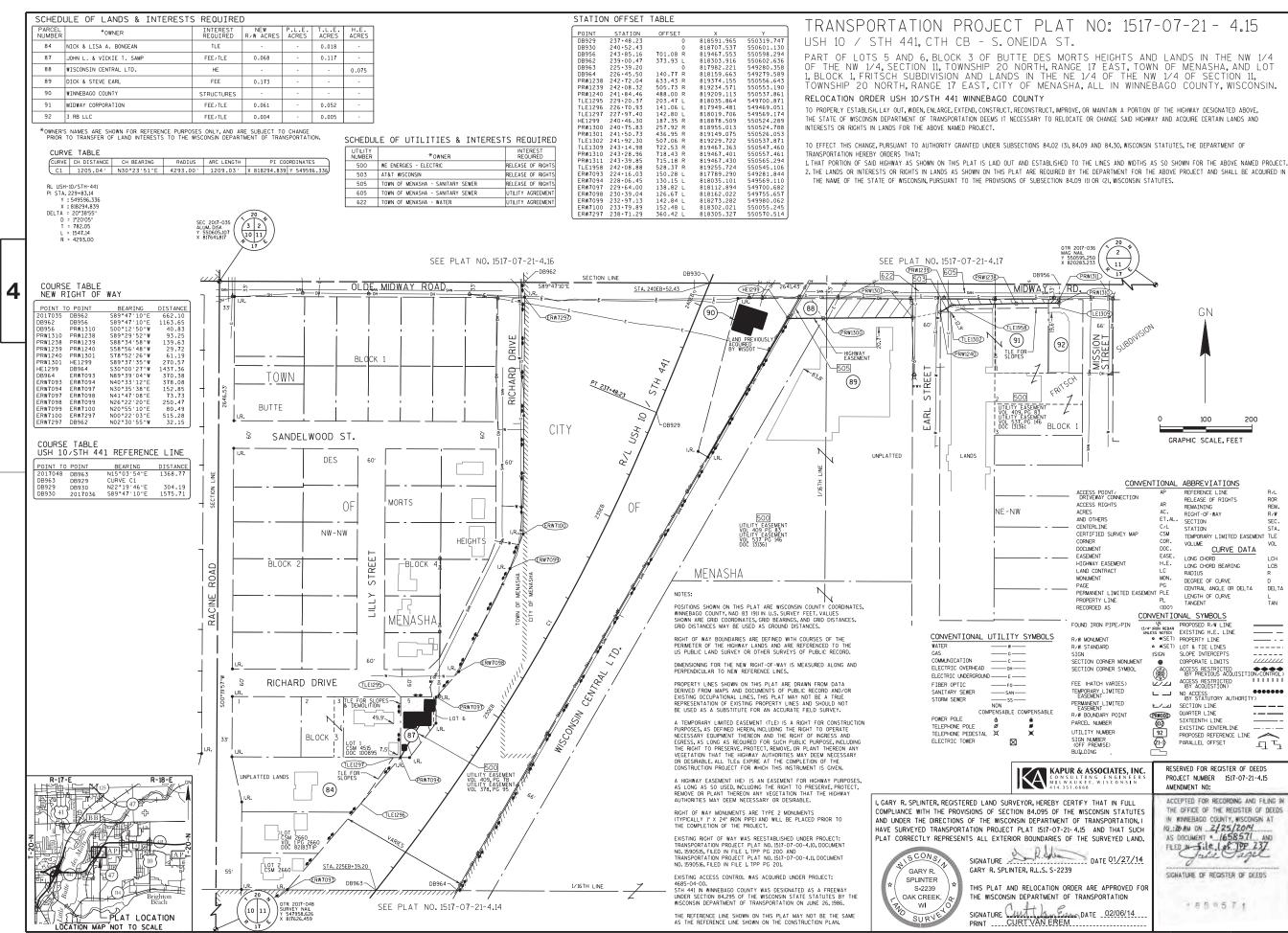
LIGHTING CABINETS & SERVICE PEDESTALS

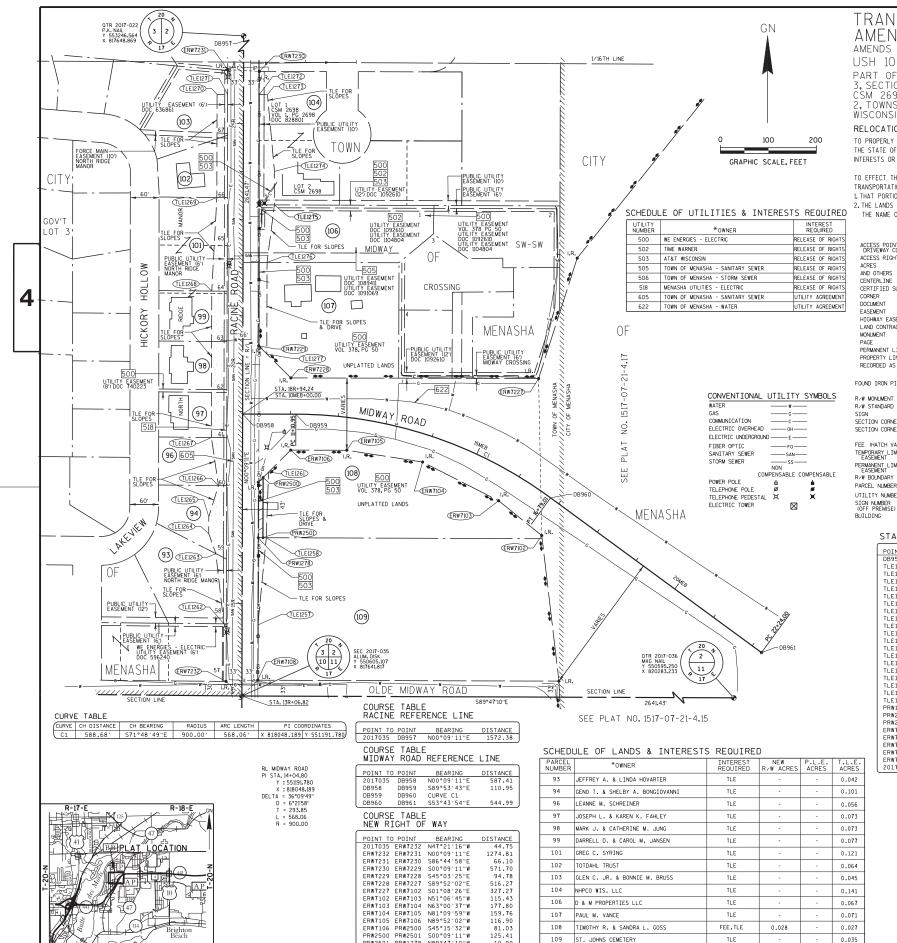
WIS 441 Lig	hting -	Contract 1517-75	5-77					
CATEGORY	SYSTEM	DESCRIPTION	STATION	0FFS	et.	654.0230.001	656.0400.001	659.2230.001
CATEGORI	SISILW	DESCRIFTION	STATION	OFF) L I	CONCRETE	ELECTRICAL	LIGHTING
						CONTROL	SERVICE MAIN	CONTROL
						CABINET BASES	LUGS ONLY	CABINETS
						TYPE L30	METER	240/480 30-
							PEDESTAL (CB	- INCH
							200)	
						EACH	LS	EACH
1100	CTH AP MIDWAY ROAD	CB 200 LIGHTING CONTROLLER	STA 24+52	67.00	LT	1	1	1
	MSE RAMP	L70-2035						
			Р	ROJECT	TOTAL	1	1	1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

SHEET NO: PROJECT NUMBER: 1517-75-77 HWY: USH 10 COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES







TRANSPORTATION PROJECT PLAT NO: 1517-07-21 - 4.16 AMENDMENT NO. 1 AMENDS PARCEL 108 OF TPP 1517-07-21-4.16 RECORDED AS DOCUMENT 1658572.

USH 10 / STH 441, CTH CB - S. ONEIDA ST.

PART OF LOTS 58, 59, 60, 61, 62, 63, 64, 65, 66 AND 67, NORTH RIDGE MANOR, GOVERNMENT LOT 3, SECTION 3, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA AND LOTS 1 AND 2 OF CSM 2698, LOT1 OF MIDWAY CROSSING AND LANDS IN THE SW 1/4 OF THE SW 1/4 OF SECTION 2, TOWNSHIP 20 NORTH, RANGE 17 EAST, TOWN OF MENASHA, ALL IN WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER USH 10/STH 441 WINNEBAGO COUNTY

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

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

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

CO	NVENTIONAL	. ABBREVIATIONS	
ACCESS POINT/	AP	REFERENCE LINE	R/L
DRĪVĒWAY CONNECTIO	IN AR	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR.	REMAINING	REM.
ACRES		RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MA		TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	VOL
DOCUMENT	DOC.	CURVE DATA	
EASEMENT	EASE.	LONG CHORD	LCH
HIGHWAY EASEMENT	H.E.	LONG CHORD BEARING	LCB
LAND CONTRACT	LC	RADIUS	R
MONUMENT	MON.	DEGREE OF CURVE	D
PAGE	PG	CENTRAL ANGLE OR DELTA	DELTA
PERMANENT LIMITED E		LENGTH OF CURVE	L
PROPERTY LINE	PL	TANGENT	TAN
RECORDED AS	(100')		
		NAL SYMBOLS	
FOUND IRON PIPE/PIN	LR. (3/4" IRON REBAR	PROPOSED R/W LINE -	
	UNLESS NOTED)	EXISTING H.E. LINE -	
R/W MONUMENT	• •(SET)	PROPERTY LINE -	
R/W STANDARD	△ (SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUME		CONTONALE EIMITIS	////
SECTION CORNER SYMBOL	-	ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CO	
FEE (HATCH VARIES)	الأكما	ACCESS RESTRICTED (BY ACQUISTION)	1111
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	•••••
PERMANENT LIMITED EASEMENT	اساسا	SECTION LINE -	
R/W BOUNDARY POINT	(PRW000)	OUARTER LINE	
PARCEL NUMBER	@	SIXTEENTH LINE —— EXISTING CENTERLINE ——	
UTILITY NUMBER	92	PROPOSED REFERENCE LINE	
SIGN NUMBER	Ø1-1)	PARALLEL OFFSET	
(OFF PREMISE)	<u> </u>	FARALLEL OFFSET	ר' ו
BUILDING			

STATION OFFSET TABLE RACINE ROAD

TLE1257 14-55.00 33.00 R 817675.212 550753.194 TLE1261 17-73.42 54.27 R 817697.331 551071.556 TLE1262 14-57.09 38.00 L 817694.218 550755.474 TLE1263 16-03.24 55.00 L 817587.609 55091.672 TLE1264 16-45.00 70.00 L 817572.720 550943.918 TLE1265 16-80.00 70.00 L 817572.720 550943.918 TLE1266 17-45.17 50.00 L 817572.720 550943.468 TLE1266 17-45.17 50.00 L 817572.720 550943.468 TLE1266 17-45.17 50.00 L 817578.25 551143.733 TLE1268 21-50.28 65.00 L 817579.099 551448.722 TLE1269 23-45.21 55.00 L 817579.099 551448.722 TLE1270 25-60.00 55.00 L 817579.699 551448.723 TLE1271 25-60.00 55.00 L 817579.595 551858.425 TLE1271 25-60.00 55.00 R 817579.595 551858.195 TLE1271 25-60.00 55.00 R 817678.163 551858.195 TLE1271 25-60.00 55.00 R 817678.163 551858.195 TLE1271 25-60.00 55.00 R 817679.755 551689.105 TLE1271 25-60.00 55.00 R 817679.755 551689.105 TLE1271 27-10.00 65.00 R 817679.594 551858.195 TLE1271 27-10.00 55.00 R 817679.595 551858.195 TLE1271 29-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551628.366 TLE1277 20-19.64 50.00 R 817674.299 551628.366 TLE1277 20-19.64 50.00 R 817675.698 55934.985 PRW2500 17-62.19 33.00 R 8176675.698 55934.985 PRW2501 16-36.78 43.00 R 817674.905 550637.984 ERW7219 20-36.59 33.00 R 817674.905 550637.984 ERW7212 26-11.87 33.00 R 817674.905 550637.984						
TLE1257 14-55.00 33.00 R 817675.212 550753.194 TLE1261 17-73.42 54.27 R 817697.331 551071.556 TLE1262 14-57.09 38.00 L 817694.218 550755.474 TLE1263 16-03.24 55.00 L 817587.609 55091.672 TLE1264 16-45.00 70.00 L 817572.720 550943.918 TLE1265 16-80.00 70.00 L 817572.720 550943.918 TLE1266 17-45.17 50.00 L 817572.720 550943.468 TLE1266 17-45.17 50.00 L 817572.720 550943.468 TLE1266 17-45.17 50.00 L 817578.25 551143.733 TLE1268 21-50.28 65.00 L 817579.099 551448.722 TLE1269 23-45.21 55.00 L 817579.099 551448.722 TLE1270 25-60.00 55.00 L 817579.699 551448.723 TLE1271 25-60.00 55.00 L 817579.595 551858.425 TLE1271 25-60.00 55.00 R 817579.595 551858.195 TLE1271 25-60.00 55.00 R 817678.163 551858.195 TLE1271 25-60.00 55.00 R 817678.163 551858.195 TLE1271 25-60.00 55.00 R 817679.755 551689.105 TLE1271 25-60.00 55.00 R 817679.755 551689.105 TLE1271 27-10.00 65.00 R 817679.594 551858.195 TLE1271 27-10.00 55.00 R 817679.595 551858.195 TLE1271 29-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551858.195 TLE1277 20-19.64 50.00 R 817679.595 551628.366 TLE1277 20-19.64 50.00 R 817674.299 551628.366 TLE1277 20-19.64 50.00 R 817675.698 55934.985 PRW2500 17-62.19 33.00 R 8176675.698 55934.985 PRW2501 16-36.78 43.00 R 817674.905 550637.984 ERW7219 20-36.59 33.00 R 817674.905 550637.984 ERW7212 26-11.87 33.00 R 817674.905 550637.984		POINT	STATION	OFFSET	х	Y
TLE1288 16-36-77 50-00 R 817692.698 550934.918 TLE1261 17-73.42 54.27 R 817697.331 551071.556 TLE1262 14-57.09 38.00 L 817587.609 550931.478 TLE1263 16-03.24 55.00 L 817587.609 550931.478 TLE1264 16-45.00 70.00 L 817572.720 550943.486 TLE1265 17-45.17 50.00 L 817572.720 550943.486 TLE1265 17-45.17 50.00 L 817572.814 550978.486 TLE1266 17-45.17 50.00 L 817572.839.987 51043.588 TLE1268 21-50.28 65.00 L 817579.59 551143.733 TLE1268 21-50.28 65.00 L 817579.069 51448.729 TLE1270 25-60.00 33.00 L 817590.163 51888.425 TLE1271 25-60.00 33.00 R 817678.163 551888.425 TLE1272 25-60.00 33.00 R 817678.165 551888.145 TLE1272 25-60.00 33.00 R 817678.165 551888.145 TLE1272 25-60.00 65.00 R 817697.975 TLE1276 22-10.30 50.00 R 817694.29 551628.366 TLE1277 20-19.64 50.00 R 817694.29 551628.366 TLE1277 20-19.64 50.00 R 817695.801 551317.782 TLE1277 16-36.79 33.00 R 817686.033 551060.359 PRW1250 17-62.19 43.00 R 817686.033 551060.359 PRW1250 17-62.19 43.00 R 817686.033 551060.359 PRW1250 17-62.19 43.00 R 817686.033 551060.359 PRW1250 17-62.19 33.00 R 817674.905 55067.984 ERW7229 20-36.59 33.00 R 817674.905 55067.984 ERW7229 20-36.59 33.00 R 817674.905 55067.984 ERW7231 26-11.87 33.00 R 817674.905 55067.984 ERW7232 26-08.29 33.00 R 817674.905 55067.984 ERW7232 26-08.29 33.00 R 817674.905 550657.984		DB958	18+94.24	0	817643.385	551192.520
TLE1261 17-73.42 54.27 R 817697.331 551071.556 TLE1262 14-57.09 38.00 L 817604.218 550755.474 TLE1263 16-03.24 55.00 L 817587.609 550901.672 TLE1264 16-45.00 70.00 L 817572.720 550943.468 TLE1265 16-80.00 70.00 L 817572.720 550943.468 TLE1266 17-45.17 50.00 L 817572.720 550948.468 TLE1266 17-45.17 50.00 L 817578.25 551143.733 TLE1268 21-50.28 65.00 L 817579.069 551448.722 TLE1269 23-45.21 55.00 L 817579.069 551448.722 TLE1270 25-60.00 33.00 L 817612.163 551858.426 TLE1271 25-60.00 33.00 L 817612.163 551858.426 TLE1272 25-60.00 33.00 R 817678.163 551858.196 TLE1273 25-60.00 50.00 R 817698.162 551858.196 TLE1274 24-00.00 65.00 R 817679.735 551689.102 TLE1275 23-30.26 65.00 R 817694.229 551628.366 TLE1277 20-19.64 50.00 R 817694.229 551628.366 TLE1277 20-19.64 50.00 R 817694.229 551628.366 TLE1277 20-19.64 50.00 R 817695.60 5508.468 TLE1277 20-19.64 50.00 R 817695.60 5508.468 TLE1277 16-219 33.00 R 817686.033 551060.358 PRWIZ50 17-62.19 33.00 R 817686.033 551060.358 PRWIZ50 16-36.78 43.00 R 8176876.698 55934.984 ERW7219 20-36.59 33.00 R 817678.695 55934.984 ERW7219 20-36.59 33.00 R 817678.695 55934.984 ERW7210 26-08.29 33.00 R 817678.695 550637.984 ERW7211 26-11.87 33.00 R 817678.291 551906.484 ERW7212 26-08.29 33.00 R 817678.291 551906.484 ERW7212 26-16.82 33.00 R 817678.291 551906.484 ERW7213 26-11.87 33.00 R 817678.291 551906.484 ERW7213 26-11.87 33.00 R 817678.291 551906.484 ERW7213 26-11.87 33.00 L 817612.301 551910.235		TLE1257	14+55.00	33.00 R	817675.212	550753.194
TLE1262 14-57.09 38.00 L 817604.218 550755.474 TLE1263 16-03.24 55.00 L 817587.609 550901.672 TLE1264 16-45.00 70.00 L 817572.720 550943.468 TLE1265 16-80.00 70.00 L 817572.814 550978.468 TLE1266 17-45.17 50.00 L 817592.987 551043.588 TLE1267 14-45.28 65.00 L 817592.987 551043.588 TLE1268 21-50.28 65.00 L 817597.069 51448.722 TLE1269 23-45.21 55.00 L 817590.163 51888.425 TLE1270 25-60.00 55.00 L 817590.163 51888.425 TLE1271 25-60.00 33.00 L 817690.163 51888.425 TLE1271 25-60.00 33.00 R 817678.163 51888.425 TLE1272 25-60.00 55.00 R 817697.95 51643.635 TLE1272 25-60.00 50.00 R 817694.163 51888.195 TLE1276 23-10.30 65.00 R 817694.29 551628.366 TLE1277 20-19.64 50.00 R 817694.29 551628.366 TLE1277 20-19.64 50.00 R 817694.29 551628.366 TLE1277 20-19.64 50.00 R 817695.80 50934.983 FPW1279 20-19.54 50.00 R 817674.90 550934.983 FPW2501 16-36.78 43.00 R 817664.69 550934.983 FPW2501 16-36.78 43.00 R 817664.69 550934.983 FPW2501 16-36.78 43.00 R 817674.905 550637.984 ERW7230 26-08.29 33.00 R 817674.905 550637.984 ERW7213 26-10.82 33.00 R 817674.905 550637.994 ERW7231 26-11.87 33.00 R 817674.905 550637.994 ERW7231 26-10.82 33.00 R 817674.905 550637.994 ERW7231 26-10.82 33.00 R 817674.905 550637.994 ERW7231 26-11.87 33.00 R 817674.905 550637.996		TLE1258	16+36.77	50.00 R	817692.698	550934.919
TLE1263 16-03.24 55.00 L 817587.609 550901.672 TLE1264 16-45.00 70.00 L 817572.814 550978.468 TLE1265 16-80.00 70.00 L 817572.814 550978.468 TLE1265 17-45.17 50.00 L 817572.814 550978.468 TLE1266 17-45.17 50.00 L 817572.814 550978.468 TLE1268 21-50.28 65.00 L 817578.25 551143.733 TLE1268 21-50.28 65.00 L 817579.069 551448.722 TLE1269 23-45.21 55.00 L 817589.589 51643.635 TLE1271 25-60.00 33.00 L 817612.163 551858.496 TLE1272 25-60.00 33.00 R 817678.163 551858.496 TLE1273 25-60.00 33.00 R 817678.163 551858.144 TLE1274 24-00.00 65.00 R 817709.735 551698.105 TLE1276 23-10.30 50.00 R 817695.162 551858.144 TLE1277 27-10.00 50.00 R 817697.50 551698.105 TLE1278 16-36.79 30.00 R 817695.69 55934.983 PRW2500 17-62.19 4.300 R 817686.033 551060.355 PRW2501 16-36.79 33.00 R 817685.698 55934.983 PRW2501 16-36.79 33.00 R 817685.698 55934.983 PRW2501 16-36.79 33.00 R 817685.698 55934.984 PRW2729 20-36.59 33.00 R 817685.698 55934.984 ERW7108 13-39.79 33.00 R 817678.695 55934.984 ERW7219 20-36.59 33.00 R 817678.695 550637.384 ERW7219 20-36.59 33.00 R 817678.291 551906.484 ERW7219 20-36.59 33.00 R 817678.291 551906.585		TLE1261	17+73.42	54.27 R	817697.331	551071.556
TLE1264 16.45.00 70.00 L 817572.720 550943.468 TLE1265 16.80.00 70.00 L 817572.721 550943.468 TLE1266 17.45.17 50.00 L 817572.814 550978.468 TLE1267 18.45.28 65.00 L 817579.069 551443.733 TLE1268 21.50.28 65.00 L 817579.069 551448.725 TLE1269 23.45.21 55.00 L 817589.589 551643.632 TLE1270 25.60.00 55.00 L 817589.589 551643.632 TLE1271 25.60.00 33.00 L 817589.589 551643.632 TLE1272 25.60.00 33.00 R 817678.163 551858.362 TLE1271 25.60.00 33.00 R 817678.163 551858.362 TLE1272 25.60.00 65.00 R 817695.162 551858.145 TLE1276 24.00.00 65.00 R 817694.29 551689.105 TLE1276 22.10.30 50.00 R 817694.29 551628.366 TLE1277 20.19.64 50.00 R 817694.29 551628.366 TLE1277 20.19.64 50.00 R 817695.60 550934.985 FPW1272 16.56.79 33.00 R 817675.698 550934.985 FPW1272 16.56.79 33.00 R 817674.905 550637.984 FRW7250 17.62.19 43.00 R 817674.905 550637.984 FRW7250 26.08.29 33.00 R 817674.905 550637.984 FRW7250 26.08.29 33.00 R 817674.905 550637.984 FRW7251 26.11.87 33.00 R 817674.905 550637.984 FRW7252 26.08.29 33.00 R 817678.291 51906.484 FRW7252 26.08.29 33.00 R 817678.291 51906.484 FRW7252 26.08.29 33.00 R 817678.291 51906.486		TLE1262	14+57.09	38.00 L	817604.218	550755.474
TLE1265 16.80.00 70.00 L 817572.814 550978.486 TLE1266 17.45.17 50.00 L 817572.815 551043.588 TLE1267 18.45.28 65.00 L 817578.255 551143.733 TLE1268 21.50.28 65.00 L 817579.255 551143.733 TLE1269 23.45.21 55.00 L 817589.589 51643.638 TLE1270 25.60.00 55.00 L 817589.589 51643.638 TLE1271 25.60.00 33.00 R 817678.163 551858.4368 TLE1272 25.60.00 33.00 R 817678.163 551858.4368 TLE1272 25.60.00 53.00 R 817678.163 551858.198 TLE1273 25.60.00 50.00 R 817695.162 551858.198 TLE1274 24.00.00 65.00 R 817709.735 551698.108 TLE1275 23.30.26 65.00 R 817709.735 551698.108 TLE1276 22.10.30 50.00 R 817694.229 551508.448 TLE1277 20.19.64 50.08 R 817694.229 551508.448 TLE1277 20.19.64 50.08 R 817694.529 550637.984 PRWIS00 17.62.19 43.00 R 817665.698 55934.998 PRWIS00 17.62.19 43.00 R 817685.698 55934.998 PRWIS00 17.62.19 43.00 R 817685.698 55934.998 FRWIS00 17.62.19 43.00 R 817685.698 55934.998 FRWIS01 16.36.78 43.00 R 817678.595 550637.984 ERWT203 20.36.59 33.00 R 817678.295 550637.984 ERWT212 20.36.59 33.00 R 817678.291 551906.484 ERWT221 26.08.29 33.00 R 817678.291 551906.484 ERWT221 26.08.29 33.00 R 817678.291 551906.484 ERWT221 26.11.87 33.00 L 817612.301 551910.232		TLE1263	16+03.24	55.00 L	817587.609	550901.672
TLE1266 17-45.17 50.00 L 817592.987 551043.588 TLE1267 18-45.28 65.00 L 817578.259 571443.732 TLE1268 21-50.28 65.00 L 817579.069 551448.722 TLE1269 23-45.21 55.00 L 817579.069 551448.722 TLE1270 25-60.00 55.00 L 817590.163 551858.422 TLE1271 25-60.00 33.00 L 817612.163 551858.422 TLE1271 25-60.00 33.00 R 817678.163 551858.422 TLE1273 25-60.00 50.00 R 817697.165 551858.195 TLE1273 25-60.00 65.00 R 817697.735 51698.105 TLE1275 23-30.26 65.00 R 817697.735 51628.366 TLE1277 20-19.64 50.00 R 817694.229 551628.366 TLE1277 20-19.64 50.00 R 817695.69 50934.985 PRW2500 17-62.19 43.00 R 817685.69 50934.985 PRW2501 16-36.78 43.00 R 817686.033 551060.355 PRW2501 16-36.78 43.00 R 817685.698 550934.985 ERW7229 20-36.59 33.00 R 817674.905 550934.945 ERW7229 20-36.59 33.00 R 817674.905 550934.945 ERW7229 20-36.59 33.00 R 817674.905 550934.945 ERW7223 26-08.29 33.00 R 817678.291 51906.485 ERW7231 26-11.87 33.00 L 817612.301 551910.232		TLE1264	16+45.00	70.00 L	817572.720	550943.468
TLE1267 18.45.28 65.00 L 817578.255 551143.733 TLE1268 21.50.28 65.00 L 817579.069 551448.723 TLE1269 23.45.21 55.00 L 817589.589 551643.635 TLE1270 25.60.00 55.00 L 817589.589 551643.635 TLE1271 25.60.00 33.00 L 817612.163 551858.426 TLE1272 25.60.00 33.00 R 817678.163 551858.366 TLE1273 25.60.00 50.00 R 817695.162 551858.194 TLE1274 24.00.00 65.00 R 817695.162 551858.194 TLE1275 23.30.26 65.00 R 817709.735 551698.102 TLE1275 23.30.26 65.00 R 817709.735 551698.102 TLE1276 22.10.30 50.00 R 817694.229 551508.448 TLE1277 20.19.64 50.08 R 817694.229 551508.448 TLE1277 20.19.64 50.08 R 817694.239 551698.366 TLE1276 22.10.30 50.00 R 817694.53 551698.366 TLE1276 22.10.30 50.00 R 817694.239 551698.366 TLE1276 22.10.30 50.00 R 817694.29 551698.366 TLE1276 22.10.30 50.00 R 817694.53 551093.4988 FRWIZ00 17.62.19 43.00 R 817694.58 5510934.988 FRWIZ01 16.36.78 43.00 R 817685.698 55934.988 FRWIZ01 16.36.78 43.00 R 817685.698 55934.984 FRWIZ02 20.36.59 33.00 R 817678.291 551906.484 FRWIZ23 26.08.29 33.00 R 817678.291 551906.365		TLE1265	16+80.00	70.00 L	817572.814	550978.468
TLE1268 21-50.28 65.00 L 817579.069 551448.722 TLE1269 23-45.21 55.00 L 817589.589 551643.632 TLE1270 25-60.00 55.00 L 817590.163 551858.425 TLE1271 25-60.00 55.00 L 817590.163 551858.425 TLE1271 25-60.00 53.00 L 817612.163 551858.425 TLE1272 25-60.00 53.00 R 817618.165 551858.195 TLE1273 25-60.00 50.00 R 817695.162 551858.195 TLE1274 24-00.00 65.00 R 817695.162 551858.195 TLE1276 22-10.30 50.00 R 817694.229 551608.405 TLE1277 20-19.64 50.00 R 817695.49 551628.366 TLE1277 20-19.64 50.00 R 817695.691 55084.49 TLE1277 10-19.64 50.00 R 817695.691 550934.985 PRW1250 17-62.19 43.00 R 817685.698 550934.985 PRW250 17-62.19 43.00 R 817685.698 550934.985 ERW7108 13-339.79 33.00 R 817674.905 550934.984 ERW7108 13-39.79 33.00 R 817674.905 550934.984 ERW7129 26-08.29 33.00 R 817674.905 550934.984 ERW7129 26-08.29 33.00 R 817674.905 550934.994 ERW7230 26-08.29 33.00 R 817674.905 550939.994 ERW7231 26-11.87 33.00 L 817612.301 551910.232		TLE1266	17+45.17	50.00 L	817592.987	551043.588
TLE1269 23.45.21 55.00 L 817589.589 551643.633 TLE1270 25.60.00 55.00 L 817590.163 551858.425 TLE1271 25.60.00 33.00 L 817612.163 551858.425 TLE1272 25.60.00 33.00 R 817678.163 551858.1366 TLE1273 25.60.00 50.00 R 817695.162 551858.1946 TLE1274 24.00.00 65.00 R 817709.735 551698.102 TLE1275 23.30.26 65.00 R 817709.735 551698.102 TLE1276 22.10.30 50.00 R 817694.229 551508.448 TLE1277 20.19.64 50.08 R 817693.691 551317.782 PRW1500 17.62.19 43.00 R 817656.698 550934.983 PRW2501 16.36.78 43.00 R 817665.698 550934.983 PRW2501 16.36.78 43.00 R 817665.698 550934.984 ERW108 13.39.79 33.00 R 817676.695 550934.948 ERW108 13.39.79 33.00 R 817676.695 550934.948 ERW123 26.08.29 33.00 R 817678.291 551906.484 ERW723 26.08.29 33.00 R 817678.291 551906.484		TLE1267	18+45.28	65.00 L	817578.255	551143.733
TLE1270 25-60.00 55.00 L 817590.163 551858.425 TLE1271 25-60.00 33.00 R 817678.163 551858.195 TLE1272 25-60.00 33.00 R 817678.163 551858.195 TLE1273 25-60.00 50.00 R 817678.163 551858.195 TLE1274 24-00.00 65.00 R 817697.735 551858.105 TLE1275 23-30.26 65.00 R 817679.549 551628.366 TLE1277 20-19.64 50.00 R 817694.229 551628.366 TLE1277 20-19.64 50.08 R 817693.801 551317.785 PRW1250 17-62.19 43.00 R 817675.698 55934.985 PRW250 17-62.19 43.00 R 817686.033 551060.355 PRW250 16-36.78 43.00 R 817686.693 550637.984 ERW7108 13-39.79 33.00 R 817678.698 550637.984 ERW7212 20-36.59 33.00 R 817678.698 550637.984 ERW7220 26-08.29 33.00 R 817678.291 551906.484 ERW7221 26-11.87 33.00 R 817678.291 551906.585		TLE1268	21+50.28	65.00 L	817579.069	551448.729
TLE1271 25-60.00 33.00 L 817612.163 551858.366 TLE1272 25-60.00 33.00 R 817678.163 551858.196 TLE1273 25-60.00 50.00 R 817695.162 551858.194 TLE1274 24-00.00 65.00 R 817709.735 551858.194 TLE1275 23-30.26 65.00 R 817709.735 551858.194 TLE1276 22-10.30 50.00 R 817694.229 551508.494 TLE1277 20-19.64 50.00 R 817694.229 551508.494 PRW1278 16-36.79 33.00 R 817675.698 550934.988 PRW2500 17-62.19 43.00 R 817695.698 550934.988 PRW2501 16-36.78 43.00 R 817695.698 550934.988 ERW7108 13-39.79 33.00 R 817674.905 550637.984 ERW7108 13-39.79 33.00 R 817676.755 551334.784 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817618.291 551906.484 ERW7232 13-37.06 33.00 L 817618.289 550655.426		TLE1269	23+45.21	55.00 L	817589.589	551643.635
TLE1272 25-60.00 33.00 R 817678.163 551888.192 TLE1273 25-60.00 50.00 R 817695.162 551858.192 TLE1274 24-00.00 65.00 R 817709.735 551688.192 TLE1275 22-10.30 50.00 R 817709.735 551688.192 TLE1276 22-10.30 50.00 R 817694.229 551608.498 TLE1277 20-19.64 50.08 R 817694.229 551508.498 TLE1277 20-19.64 50.08 R 817694.229 551508.498 TLE1277 20-19.64 50.08 R 817694.529 55108.498 TLE1277 20-19.64 50.08 R 817694.50 551317.782 PRW1500 17-62.19 43.00 R 817685.698 550934.998 PRW2501 16-36.78 43.00 R 817686.693 550934.998 ERW108 13-39.79 33.00 R 817678.695 550637.998 ERW108 20-38.59 33.00 R 817678.291 551906.498 ERW1229 20-36.59 33.00 R 817678.291 551906.498 ERW1221 26-11.87 33.00 L 817612.301 551910.232		TLE1270	25+60.00	55.00 L	817590.163	551858.425
TLE1273 25-60.00 50.00 R 817695.162 551858.144 TLE1274 24-00.00 65.00 R 817709.735 551638.105 TLE1275 23-30.26 65.00 R 817709.549 551628.366 TLE1276 22-10.30 50.00 R 817694.229 551508.496 TLE1277 20-19.64 50.00 R 817693.801 551317.782 PRW1278 16-36.79 33.00 R 817675.699 550934.983 PRW2500 17-62.19 43.00 R 817685.698 550934.983 PRW2501 16-36.78 43.00 R 817685.698 550934.984 ERW7108 13-39.79 33.00 R 817674.905 550637.984 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817618.291 551906.484 ERW7232 213-37.06 33.00 L 817618.898 550655.426		TLE1271	25+60.00	33.00 L	817612.163	551858.366
TLE1274 24-00.00 65.00 R 817709.735 551698.102 TLE1275 23-30.26 65.00 R 817709.735 551698.102 TLE1275 22-10.30 50.00 R 817694.229 551508.484 TLE1277 20-19.64 50.08 R 817693.801 551317.782 PRW15200 17-62.19 43.00 R 817657.698 550934.983 PRW2501 16-36.78 43.00 R 817686.033 551060.355 PRW2501 16-36.78 43.00 R 817686.033 551060.355 ERW108 13-39.79 33.00 R 817674.905 550637.984 ERW7229 20-36.59 33.00 R 817674.905 550637.984 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817612.301 551910.232 ERW7232 21-37.06 33.00 L 817618.898 550655.426		TLE1272	25+60.00	33.00 R	817678.163	551858.190
TLE12T5 23.30.26 65.00 R 817709.549 551628.366 TLE12T7 20.19.64 50.00 R 817694.229 551508.448 TRE12T7 20.19.64 50.00 R 817694.229 551508.448 PRW12T8 16-36.79 33.00 R 817657.698 550934.988 PRW2500 17-62.19 43.00 R 817685.698 550934.988 PRW2501 16-36.78 43.00 R 817685.698 550934.988 ERW7108 13-39.79 33.00 R 817674.905 550637.984 ERW71209 26-08.29 33.00 R 817676.765 551334.784 ERW7123 26-08.29 33.00 R 817678.291 551906.484 ERW7213 26-11.87 33.00 L 817612.301 551910.232 ERW7231 26-11.87 33.00 L 817612.301 551910.232		TLE1273	25+60.00	50.00 R	817695.162	551858.144
TLE1276 22-10.30 50.00 R 817694.229 551508.448 PRM1278 16-36.79 33.00 R 817693.801 551317.782 PRM2500 17-62.19 43.00 R 817675.698 550934.983 PRM2501 16-36.78 43.00 R 817686.033 551060.355 ERW108 13-39.79 33.00 R 817674.905 550637.984 ERW108 13-39.79 33.00 R 817674.905 550637.984 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817618.291 551906.484 ERW7232 27.70.6 33.00 L 817618.898 550655.426		TLE1274	24+00.00	65.00 R	817709.735	551698.105
TLE1217 20-19-64 50.08 R 817693.801 551317.782 PRW1278 16-36.79 33.00 R 817675.698 550934.984 PRW2501 16-36.78 43.00 R 817686.033 551060.355 PRW2501 16-36.78 43.00 R 817685.698 550934.946 ERW7108 13-39.79 33.00 R 817674.905 550637.984 ERW7229 20-36.59 33.00 R 817674.905 550637.984 ERW7229 20-36.59 33.00 R 817678.291 531906.484 ERW7221 26-11.87 33.00 L 817612.301 551910.232 ERW7231 26-11.87 33.00 L 817612.301 551910.232		TLE1275	23+30.26	65.00 R	817709.549	551628.366
PRW1278 16-36.79 33.00 R 817675.698 550934.938 PRW2500 17-62.19 43.00 R 817686.033 551060.355 PRW2501 16-36.78 43.00 R 817685.698 550934.946 ERW108 13-39.79 33.00 R 817674.905 550637.934 ERW7229 20-36.59 33.00 R 817676.755 551334.734 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817608.898 550635.426		TLE1276	22+10.30	50.00 R	817694.229	551508.448
PRW2500 17-62.19 43.00 R 817686.033 551060.355 PRW2501 16-36.78 43.00 R 817685.698 550934.946 ERW7108 13-39.79 33.00 R 817674.905 550637.984 ERW7229 26-08.29 33.00 R 817676.765 551334.784 ERW7230 26-08.29 33.00 R 817678.291 531906.484 ERW7231 26-11.87 33.00 L 817612.301 551910.232 ERW7232 23-37.06 33.00 L 817618.898 550655.426		TLE1277	20+19.64	50.08 R	817693.801	551317.782
PRW2501 16-36.78 43.00 R 817685.698 550934.946 ERW7108 13-39.79 33.00 R 817674.905 550637.946 ERW7229 20-36.59 33.00 R 817676.765 551334.784 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817612.301 551910.232 ERW7232 13-37.06 33.00 L 817608.898 550635.426		PRW1278	16+36.79	33.00 R	817675.698	550934.983
ERW7108 13.39.79 33.00 R 817674.905 550637.984 ERW7229 20.36.59 33.00 R 817676.765 551334.784 ERW7229 26.08.29 33.00 R 817678.291 551906.484 ERW7231 26.11.87 33.00 L 817612.301 551910.232 ERW7232 13.37.06 33.00 L 817608.898 550655.426		PRW2500	17+62.19	43.00 R	817686.033	551060.359
ERW7229 20-36.59 33.00 R 817676.765 551334.784 ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817612.301 551910.232 ERW7232 13-37.06 33.00 L 817608.898 550635.426		PRW2501	16+36.78	43.00 R	817685.698	550934.946
ERW7230 26-08.29 33.00 R 817678.291 551906.484 ERW7231 26-11.87 33.00 L 817612.301 551910.232 ERW7232 13-37.06 33.00 L 817608.898 550635.426		ERW7108	13+39.79	33.00 R	817674.905	550637.984
ERW7231 26+11.87 33.00 L 817612.301 551910.232 ERW7232 13+37.06 33.00 L 817608.898 550635.426		ERW7229	20+36.59	33.00 R	817676.765	551334.784
ERW7232 13+37.06 33.00 L 817608.898 550635.426		ERW7230	26+08.29	33.00 R	817678.291	551906.484
		ERW7231	26+11.87	33.00 L	817612.301	551910.232
2017035 13+06.82 0 817641.817 550605.107	1	ERW7232	13+37.06	33.00 L	817608.898	550635.426
	l	2017035	13+06.82	0	817641.817	550605.107
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WINNEBAGO COUNTY, NAD 83 (91) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

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

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

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

EXISTING RIGHT OF WAY WAS REESTABLISHED UNDER PROJECT: TRANSPORTATION PROJECT PLAT NO. 1517-07-00-4.09, DOCUMENT NO. 1590514, FILED IN FILE 1, TPP PG 199 & NORTH RIDGE MANOR.

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT: 4685-04-00.

THE REFERENCE LINE SHOWN ON THIS PLAT MAY NOT BE THE SAME AS THE REFERENCE LINE SHOWN ON THE CONSTRUCTION PLAN.

STATION OFFSET TABLE MIDWAY ROAD

POINT	STATION	OFFSET	x	Υ
DB958	10+00.00	0	817643.385	551192.520
DB959	11+10.95	0	817754.339	551192.317
DB960	16 - 79 . 01	0	818285.107	551017.948
DB961	22+24.00	0	818724.508	550695.549
ERW7102	17+10.57	74.23 R	818266.637	550939.430
ERW7103	15+88.61	64. 7 5 R	818176.785	551011.899
ERW7104	13+97.77	56.79 R	818018.349	551092.590
ERW7105	12+26.26	68.18 R	817860.485	551117.123
ERW7106	11+00.34	74.94 R	817743.585	551117.394
ERW7227	15+41.45	198.53 L	818260.122	551266.633
ERW7228	11.00.33	75.49 L	817743.853	551267.829

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.351.6668

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1517-07-21-4.16 AMENDMENT NO: 1

I, GARY R. SPLINTER, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTIONS OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1517-07-21-4.16 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE SIGNATURE GARY R. SPLINTER, P.L.S. S-2239

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

SIGNATURE OF DATE 06/14/16
PRINT CURT VAN EREM

1715882 REGISTER'S OFFICE WINNEBAGO COUNTY, WI RECORDED ON 06/20/2016 2:59 PM CURTETOPHER LARSON DEPUTY REGISTER OF DEEDS RECORDING FEE 25.00

LOCATION MAP NOT TO SCALE

107 PAUL M. VANCE

109 ST. JOHNS CEMETERY

108 TIMOTHY R. & SANDRA L. GOSS

116.90

125.41 10.00 297.00 46.64

PRW2501 PRW1278 N89°47'10"W

PRW1278 FRW7108 S00°09'11"W

FRW7108 2017035 S45°11'00"W

0.028

0.071

0.027

0.035

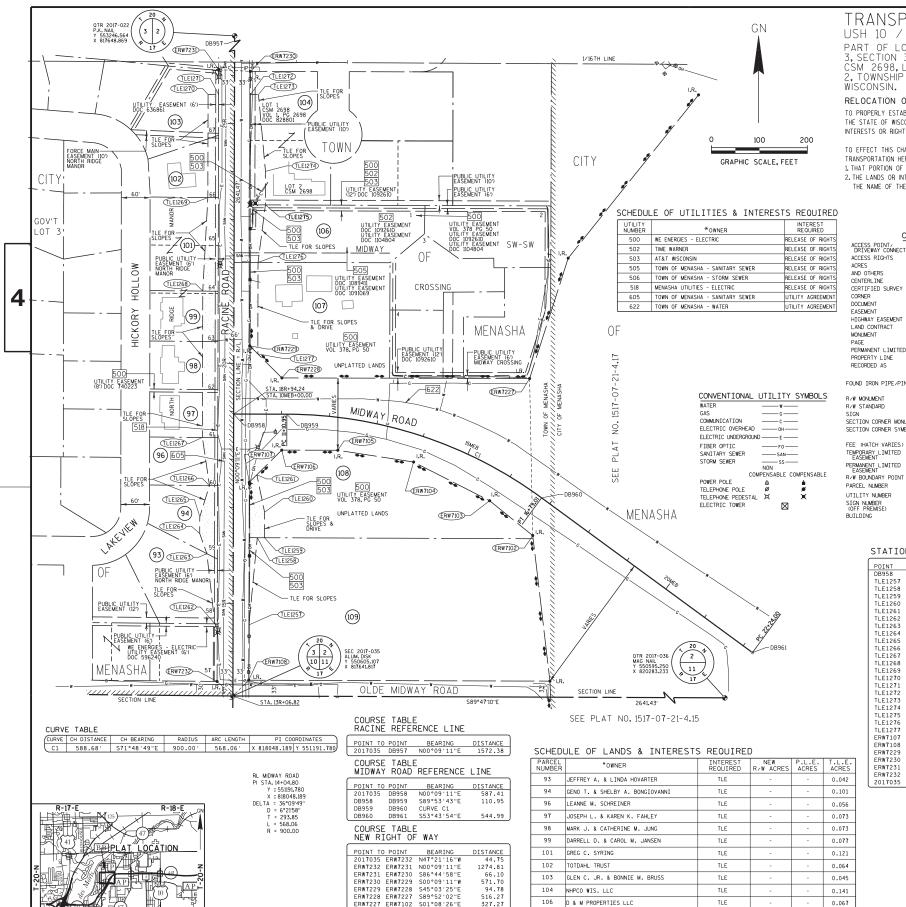
PLOT NAME :

TLE

FEE,TLE

TLE

*OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



ERW7102 ERW7103 N51°06'45"W ERW7103 ERW7104 N63°00'37"W

ERW7103 ERW7104 N53°00'37"W
ERW7105 ERW7106 N81°09'59"W
ERW7105 ERW7107 N545°15'32"W
ERW7107 ERW7108 2017035 S45°11'00"W

115.43

177.80 159.76 116.90 95.14 412.44 46.64

TRANSPORTATION PROJECT PLAT NO: 1517-07-21 - 4.16 USH 10 / STH 441, CTH CB - S. ONEIDA ST.

PART OF LOTS 58, 59, 60, 61, 62, 63, 64, 65, 66 AND 67, NORTH RIDGE MANOR, GOVERNMENT LOT 3, SECTION 3, TOWNSHIP 20 NORTH, RANGE 17 EAST, CITY OF MENASHA AND LOTS 1 AND 2 OF CSM 2698, LOT1 OF MIDWAY CROSSING AND LANDS IN THE SW 1/4 OF THE SW 1/4 OF SECTION 2, TOWNSHIP 20 NORTH, RANGE 17 EAST, TOWN OF MENASHA, ALL IN WINNEBAGO COUNTY, WISCONSIN.

RELOCATION ORDER USH 10/STH 441 WINNEBAGO COUNTY

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

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

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

CONVEN	TIONAL	ABBREVIATIONS	
ACCESS POINT/	AP	REFERENCE LINE	R/L
DRĪVĒWAY CONNECTION		RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	VOL
DOCUMENT	DOC.	CURVE DATA	
EASEMENT	EASE.	LONG CHORD	LCH
HIGHWAY EASEMENT	H.E.	LONG CHORD BEARING	LCB
LAND CONTRACT	LC	RADIUS	R
MONUMENT	MON.	DEGREE OF CURVE	D
PAGE	PG	CENTRAL ANGLE OR DELTA	DELTA
PERMANENT LIMITED EASEMEN	NT PLE	LENGTH OF CURVE	L
PROPERTY LINE	PL	TANGENT	TAN
RECORDED AS	(100')	TANGENT	IAN
CON	VENTIO	NAL SYMBOLS	
FOUND IRON PIPE/PIN	LR.	PROPOSED R/W LINE -	
	IRON REBAR (SS NOTED)	EXISTING H.E. LINE -	
R/W MONUMENT	• (SET)	PROPERTY LINE -	
R/W STANDARD	△ (SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT	•	CORPORATE LIMITS 444	1///
SECTION CORNER SYMBOL		ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CO	
FEE (HATCH VARIES)	لكأكما	(BY ACQUISTION)	1111
EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	••••
PERMANENT LIMITED EASEMENT	لساسا	SECTION LINE -	

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DB959	11+10.95	0	817754.339	551192.3
DB960	16 - 79 . 01	0	818285.107	551017.9
DB961	22+24.00	0	818724.508	550695.5
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ERW7227	15+41.45	198.53 L	818260.122	551266.6
ERW7228	11+00.33	75.49 L	817743.853	551267.8

STATION OFFSET TABLE RACINE ROAD

OUARTER LINE SIXTEENTH LINE EXISTING CENTERLINE

PARALLEL OFFSET

PROPOSED REFERENCE LINE

PRW000 (02) 92 (21-1)

	POINT	STATION	OFFSET	X	Υ
	DB958	18+94.24	0	817643.385	551192.520
	TLE1257	14+55.00	33.00 R	817675.212	550753.194
	TLE1258	16+36.77	50.00 R	817692.698	550934.919
	TLE1259	16+36.76	65.00 R	817707.698	550934.863
	TLE1260	16+90.00	65.00 R	817707.840	550988.107
	TLE1261	17+67.87	48.70 R	817691.746	551066.021
	TLE1262	14+57.09	38.00 L	817604.218	550755.474
	TLE1263	16+03.24	55.00 L	817587.609	550901.672
	TLE1264	16+45.00	70.00 L	817572.720	550943.468
	TLE1265	16+80.00	70.00 L	817572.814	550978.468
	TLE1266	17+45.17	50.00 L	817592.987	551043.588
	TLE1267	18+45.28	65.00 L	817578.255	551143.733
	TLE1268	21+50.28	65.00 L	817579.069	551448.729
	TLE1269	23+45.21	55.00 L	817589.589	551643.635
	TLE1270	25+60.00	55.00 L	817590.163	551858.425
	TLE1271	25+60.00	33.00 L	817612.163	551858.366
	TLE1272	25+60.00	33.00 R	817678.163	551858.190
	TLE1273	25+60.00	50.00 R	817695.162	551858.144
	TLE1274	24+00.00	65.00 R	817709.735	551698.105
	TLE1275	23+30.26	65.00 R	817709.549	551628.366
	TLE1276	22 • 10 . 30	50.00 R	817694.229	551508.448
	TLE1277	20+19.64	50.08 R	817693.801	551317.782
	ERW7107	17.52.23	33.00 R	817676.006	551050.423
	ERW7108	13+39.79	33.00 R	817674.905	550637.984
	ERW7229	20+36.59	33.00 R	817676.765	551334.784
٦	ERW7230	26+08.29	33.00 R	817678.291	551906.484
ı	ERW7231	26+11.87	33.00 L	817612.301	551910.232
1	ERW7232	13+37.06	33.00 L	817608.898	550635.426
1	2017035	13+06.82	0	817641.817	550605.107
1					



RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1517-07-21-4.16 AMENDMENT NO: ACCEPTED FOR RECORDING AND FILING IN

THE OFFICE OF THE REGISTER OF DEEDS

I, GARY R. SPLINTER, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTIONS OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED TRANSPORTATION PROJECT PLAT 1517-07-21-4.16 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE & K. Splea DATE 01/27/14 GARY R. SPLINTER, R.L.S. S-2239

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

SIGNATURE CUATTYAN EREM DATE 02/06/14

IN WINNEBAGO COUNTY, WISCONSIN AT 10.16 M ON 2/25/20/4
AS DOCUMENT = /658572 AND FILED IN FILE LOC TPP 238 Quei Pagel SIGNATURE OF REGISTER OF DEEDS

1656572

LOCATION MAP NOT TO SCALE

0.071

0.079

0.035

PLOT NAME :

TLE

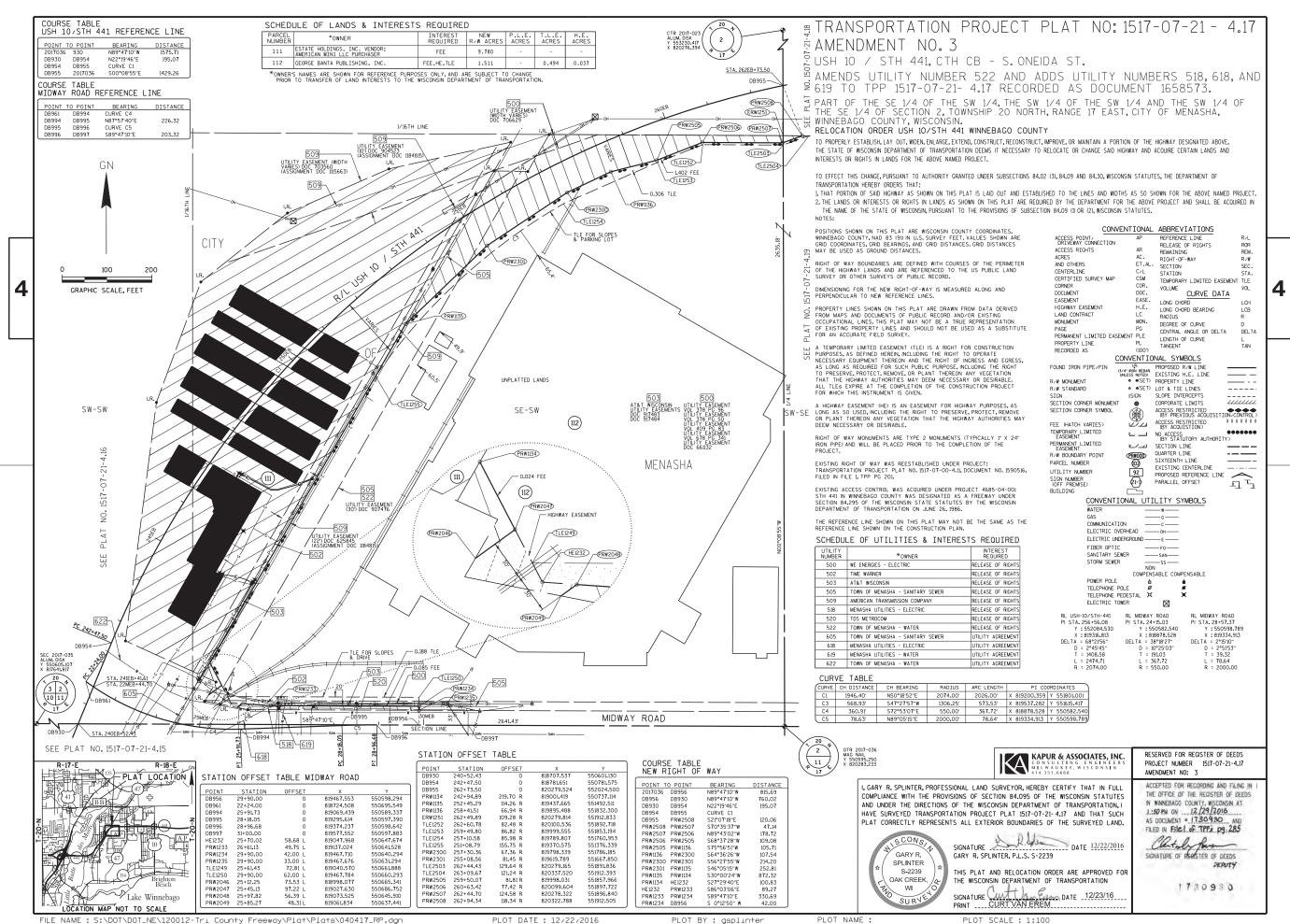
TLE

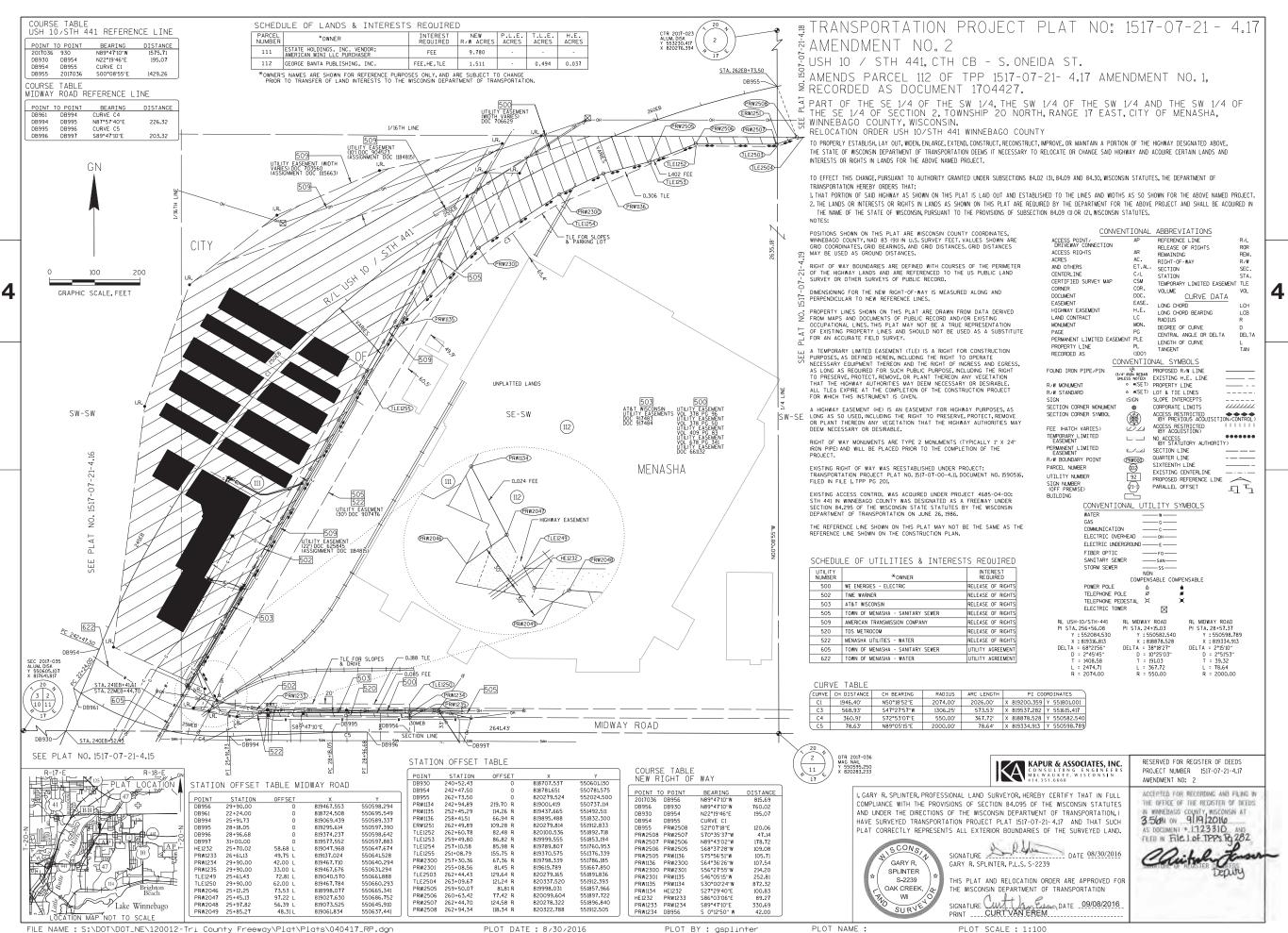
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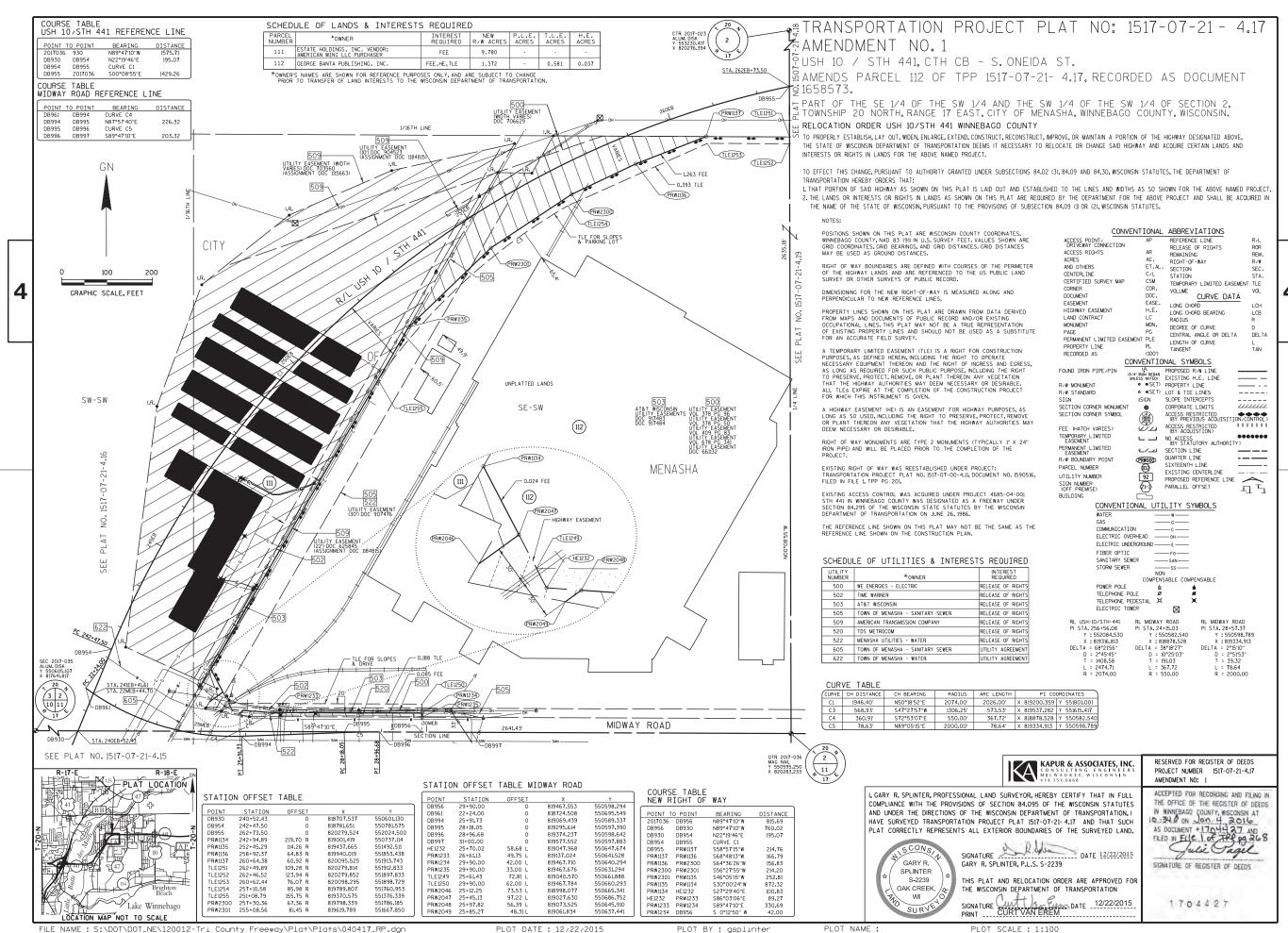
107 PAUL M. VANCE

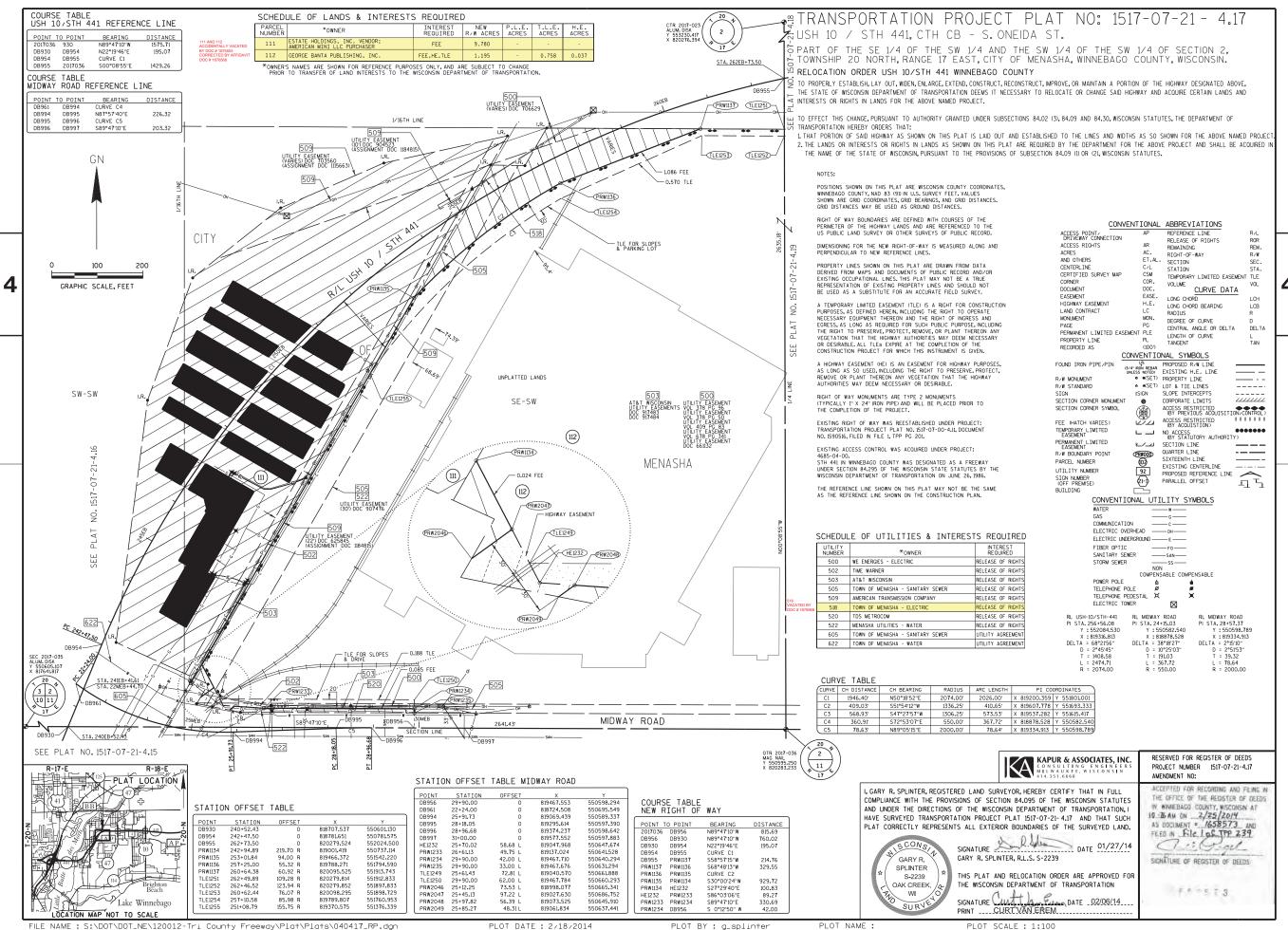
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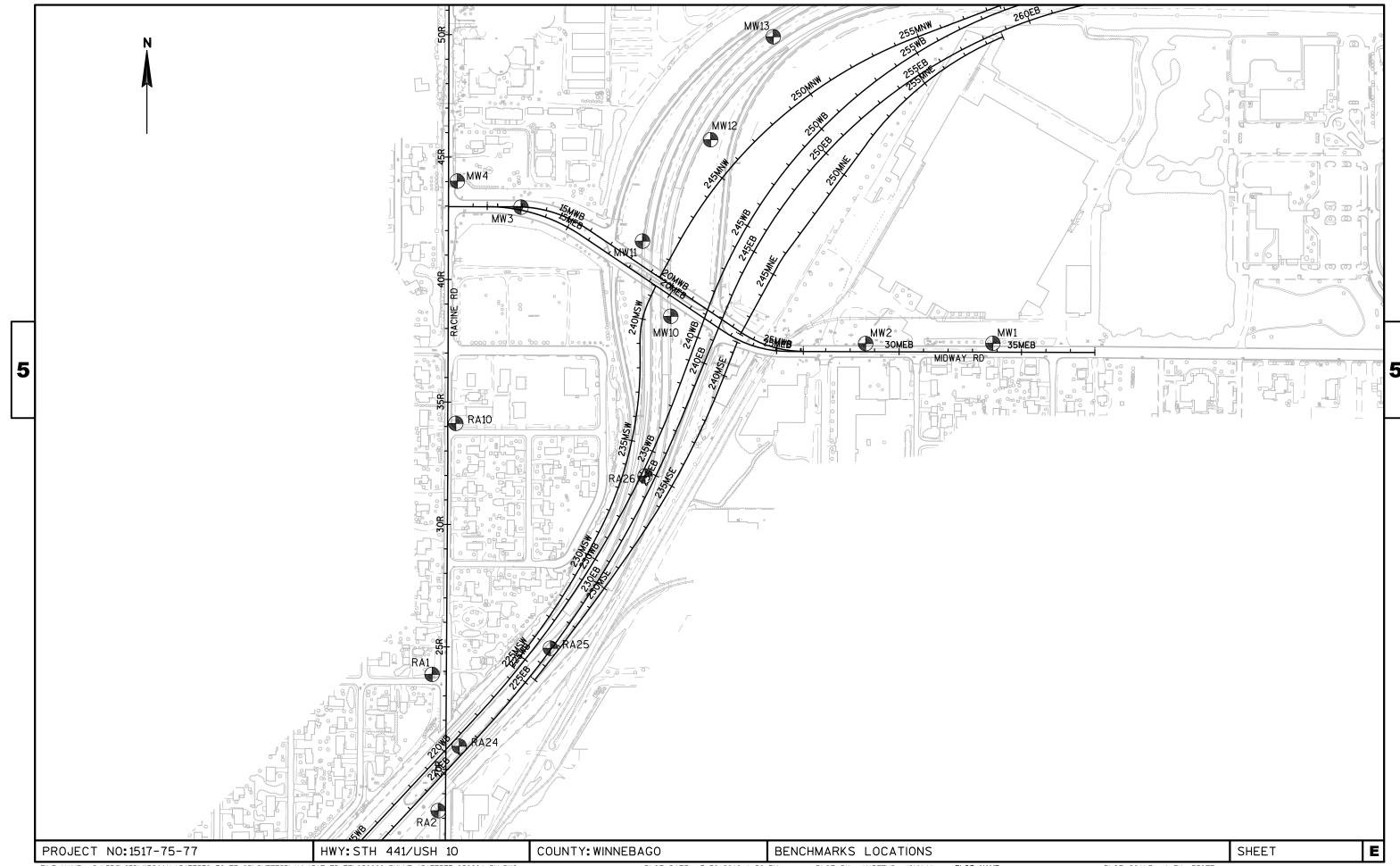


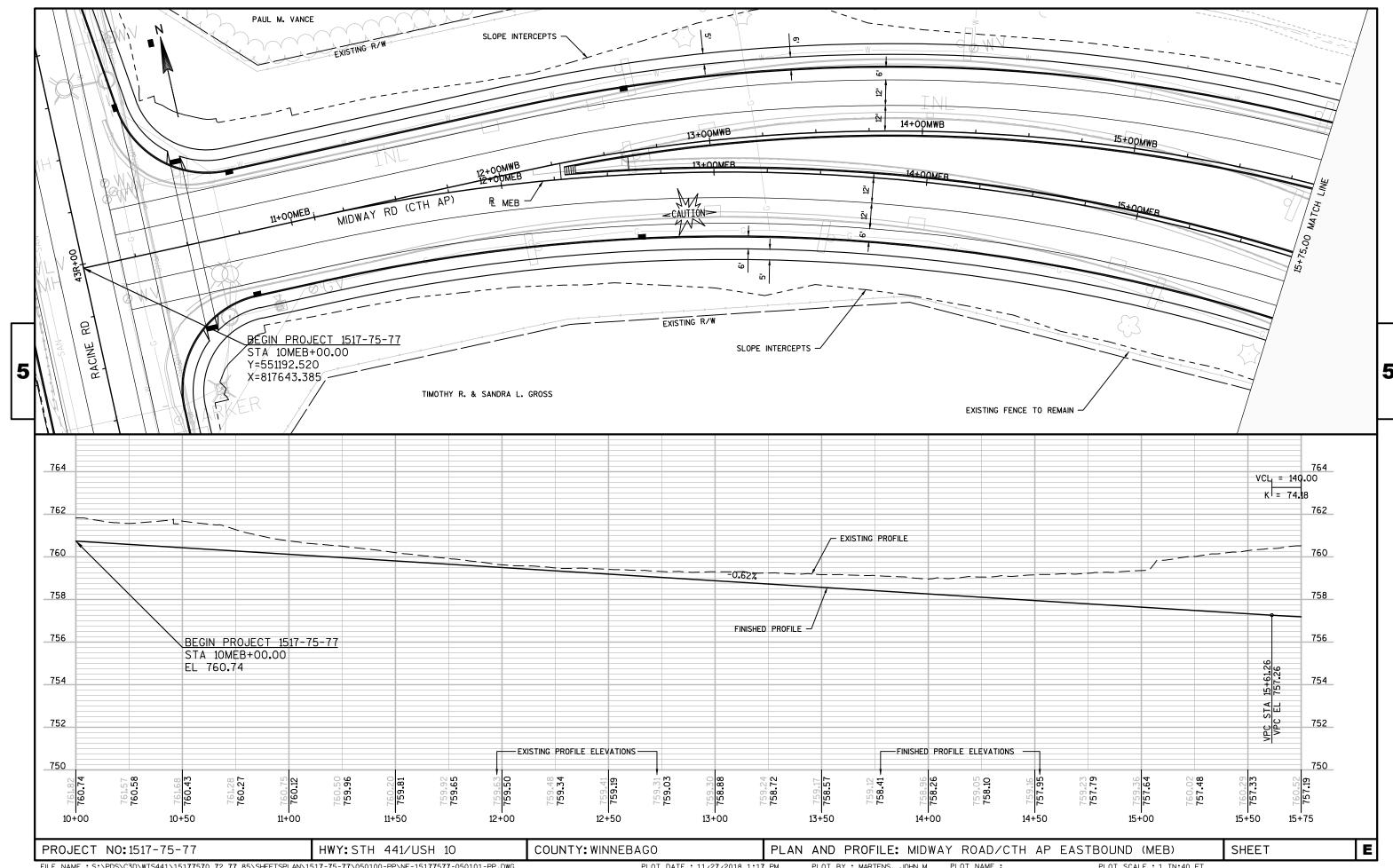


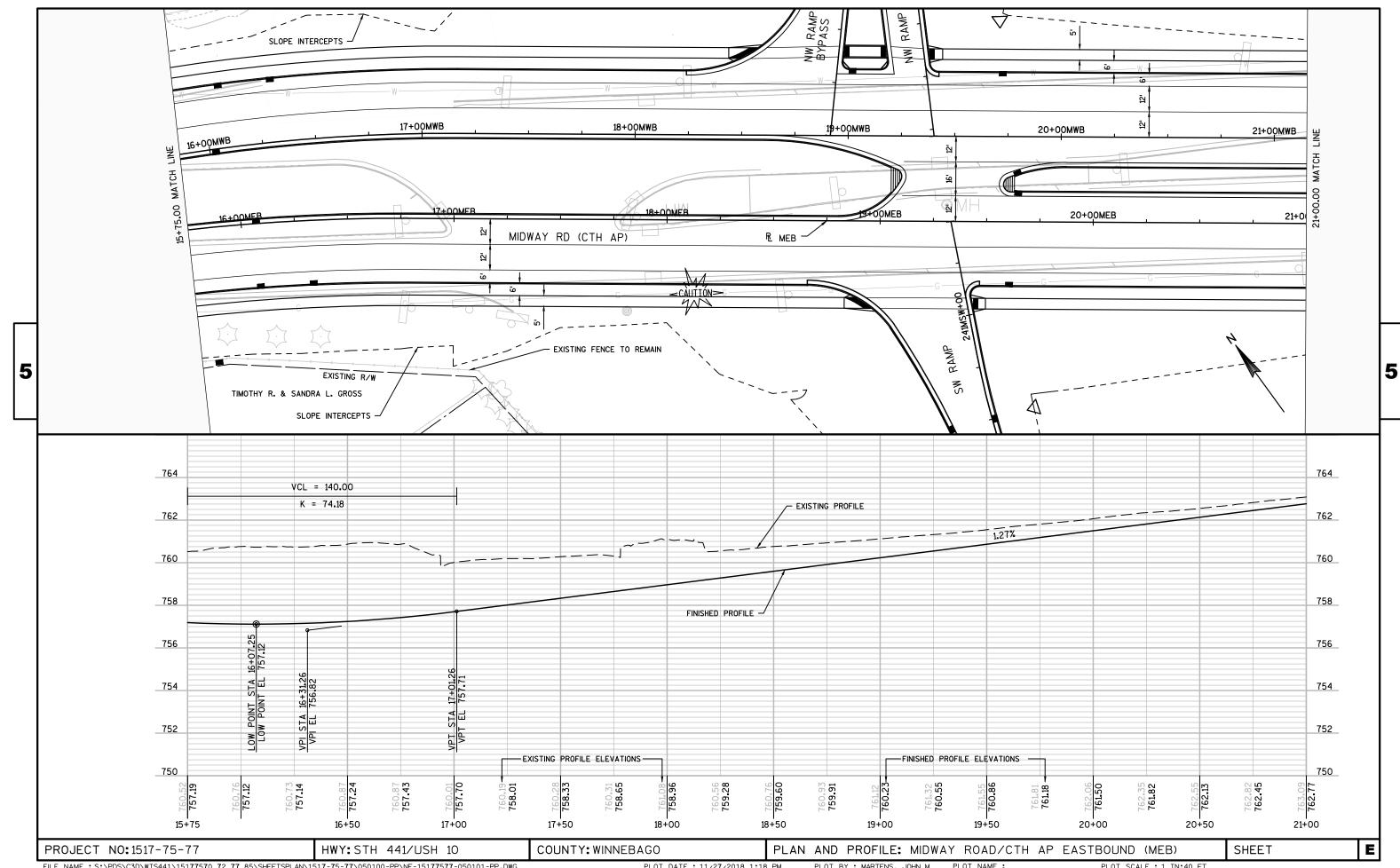


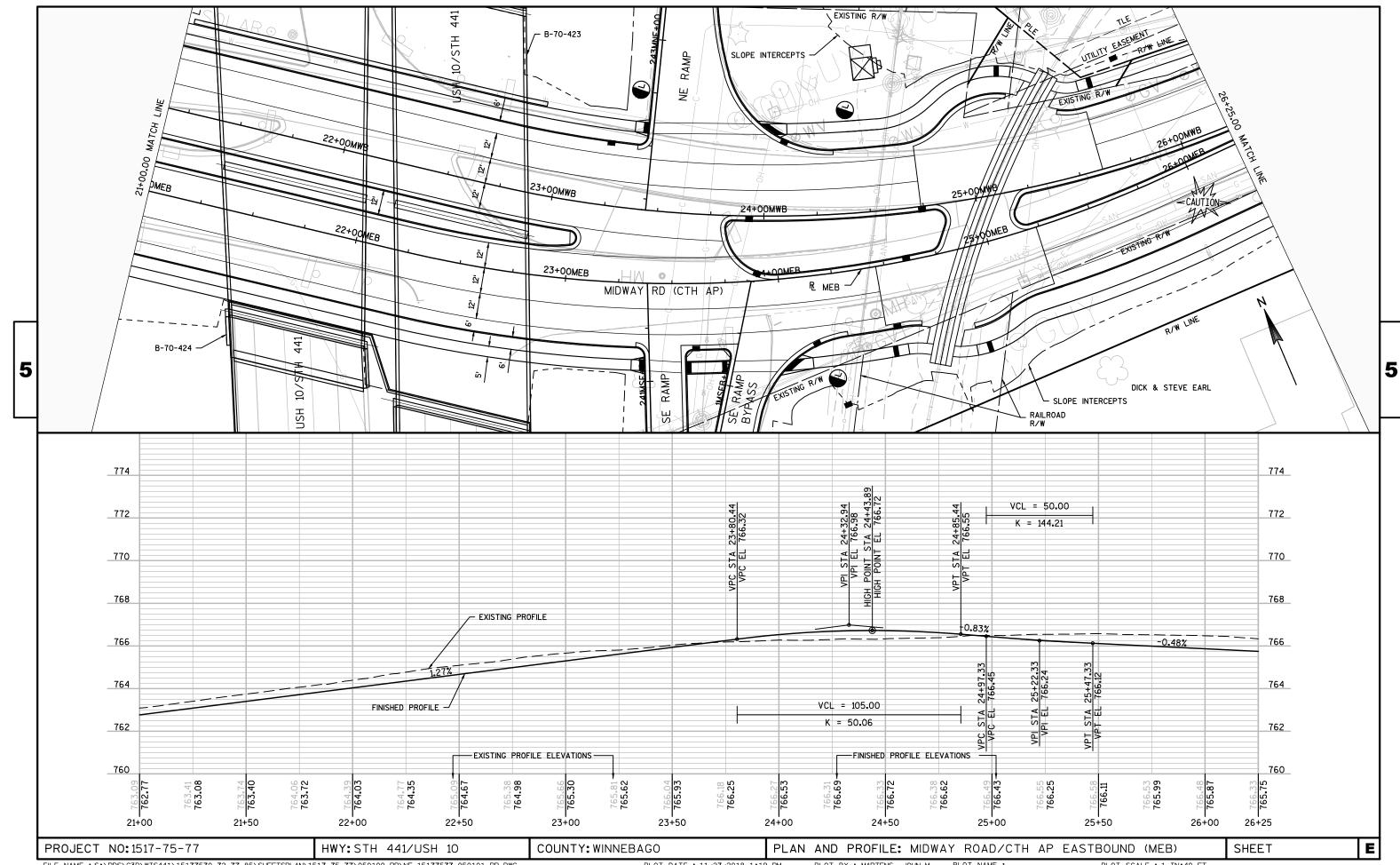
				BENCHMARKS	
NUMBER	STATION	NORTHING	EASTING	DESCRIPTION	ELEVATION
MW1	33EMEB+83.38 35.84' LT	550634.0	819868.0	NW TAG BOLT 1ST HYD WEST OF FATIMA ST ON THE NORTH SIDE OF MDWAY RD; ACROSS FROM HOUSE #831	796.92
MW2	28EMEB+62.38 33.17' LT	550633.0	819348.0	NW TAG BOLT ON HYD BETWEEN MISSION ST & EARL ST ON NORTH SIDE OF SIDE OF MIDWAY; IN FRONT OF RR DONNELLEY SIGN @ 800 MIDWAY RD	766.56
мwз	12EMEB+94.38 12.29' LT	551190.0	817940.0	PK NAIL SET IT TOP CURB JOINT (CP 1002) +/- 400' EAST OF RACINE RD & MIDWAY RD INTERSECTION; NORTH MEDIAN CURB LINE	759.75
MW4	10EMEB+35.66 103.99' LT	551296.0	817680.0	NE TAG BOLT ON FIRE HYDRANT AT NE QUADRANT OF RACINE RD AND MIDWAY RD	763.31
MW10	20EMEB+53.30 69.66' RT	550744.0	818552.0	3" DISC TOP OF SE PARAPET WALL STR# B-70-111, 441 NB OVER MIDWAY	785.71
MW11	18EMWB+00.16 84.52' LT	551050.9	818436.4	3" DISC TOP OF NW PARAPET WALL STR# B-70-112, 441 SB OVER MIDWAY	792.23
MW12	248TEB+91.10 45.90' RT	551465.1	818714.8	NW BOLT OF WEST SIGN BASE OF "UW FOX VALLEY" EXIT SIGN, 441 NB	777.67
MW13	253TWB+26.98 49.01' RT	551885.6	818970.8	CHISELED SQUARE TOP NW CORNER OF INLET IN MEDIAN OF 441	776.85
RA1	218TEB+59.55 151.34' RT	549282.0	817577.0	NW TAG BOLT ON FIRE HYDRANT AT THE NW QUADRANT OF RACINE RD & GORDON ST AND NORTH OF BRIDGE OVER STH 441	761.71
RA2	221TWB+97.88 231.23' LT	548725.0	817602.0	TOP SE BOLT FOR RAIL ON SW CORNER OF PARAPET WALL ON RACINE RD BRIDGE OVER STH 441, PAINTED WHITE	770.81
RA10	233TWB+32.07 760.83' LT	550306.9	817673.5	NE TAG BOLT ON FIRE HYDRANT AT THE INTERSECTION OF RACINE RD AND SANDLEWOOD ST	763.72
RA24	221TEB+30.19 45.84' RT	548988.4	817687.6	SW BOLT EXISITNG SIGN STR *S-70-17, USH 10 MEDIAN 30' NE OF RACINE RD OVERPASS	749.12
RA25	226TEB+72.43 56.49' RT	549388.3	818060.0	SW BOLT EXISITNG SIGN STR *S-70-155, USH 10 MEDIAN 600' NE OF RACINE RD OVERPASS	752.83
RA26	234TEB+64.71 30.26' RT	550091.7	818446.8	SE CORNER OF INLET, USH 10 MEDIAN, 650' SOUTH OF MIDWAY	761.22

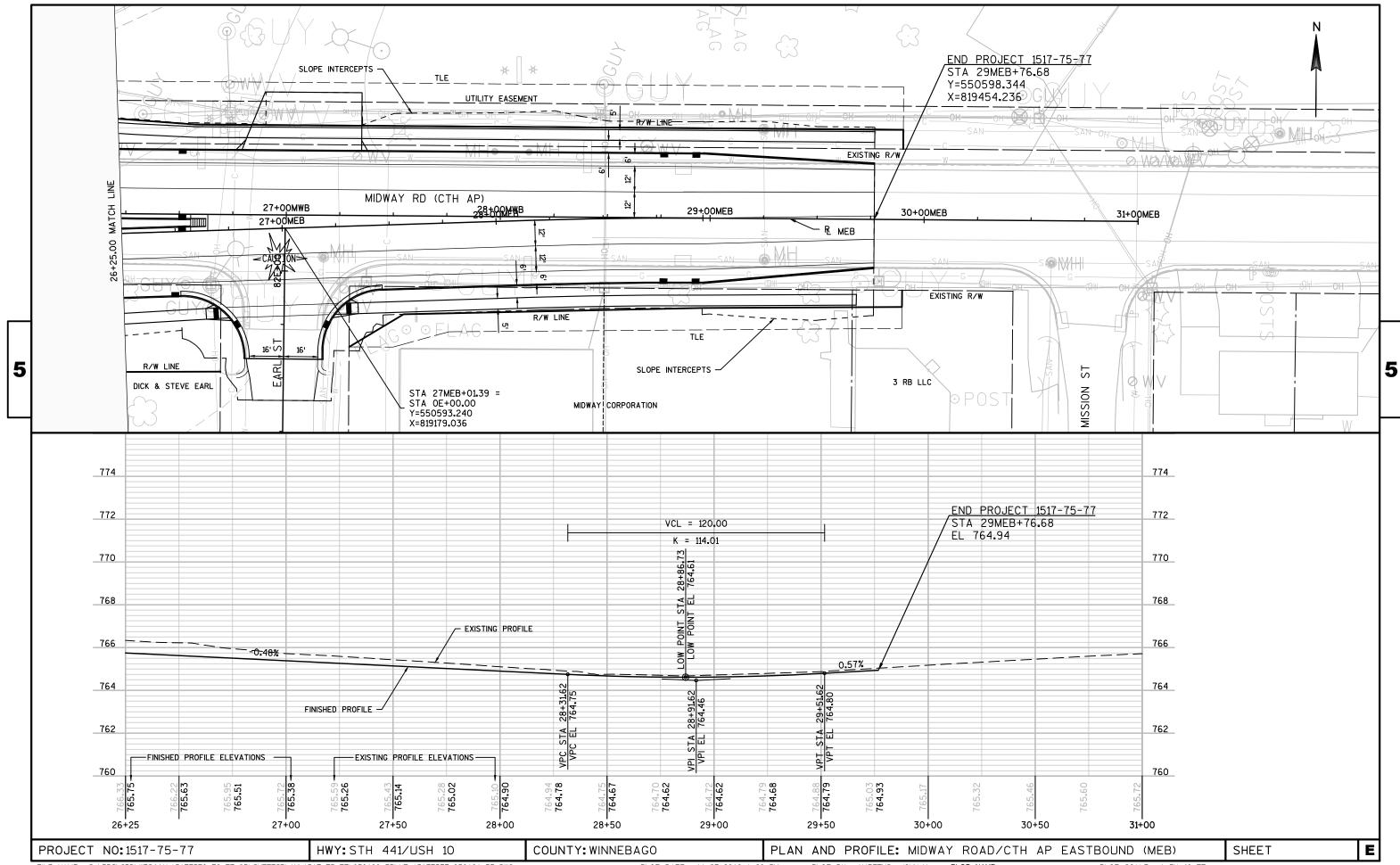
PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO BENCHMARK DESCRIPTIONS SHEET **E**

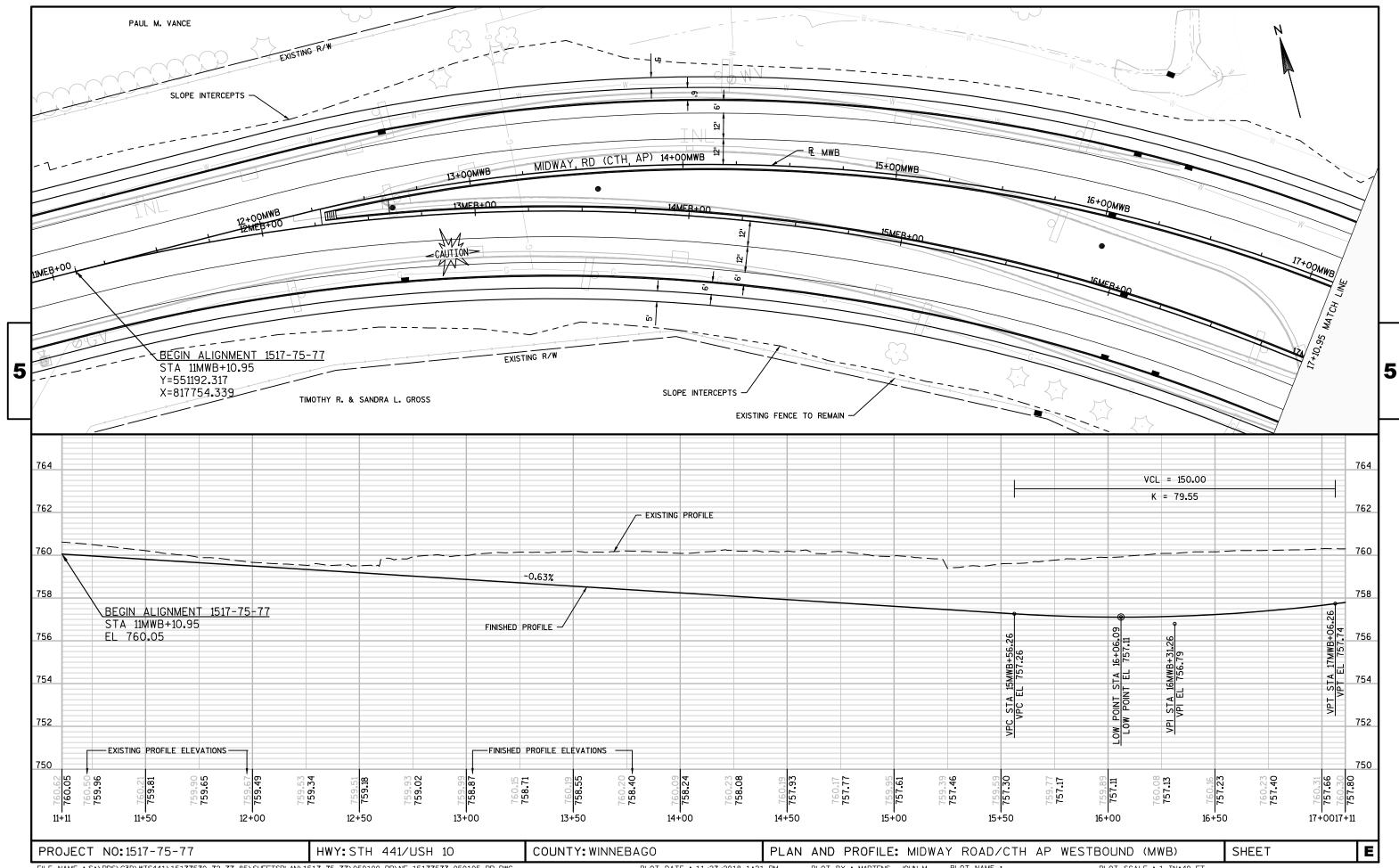


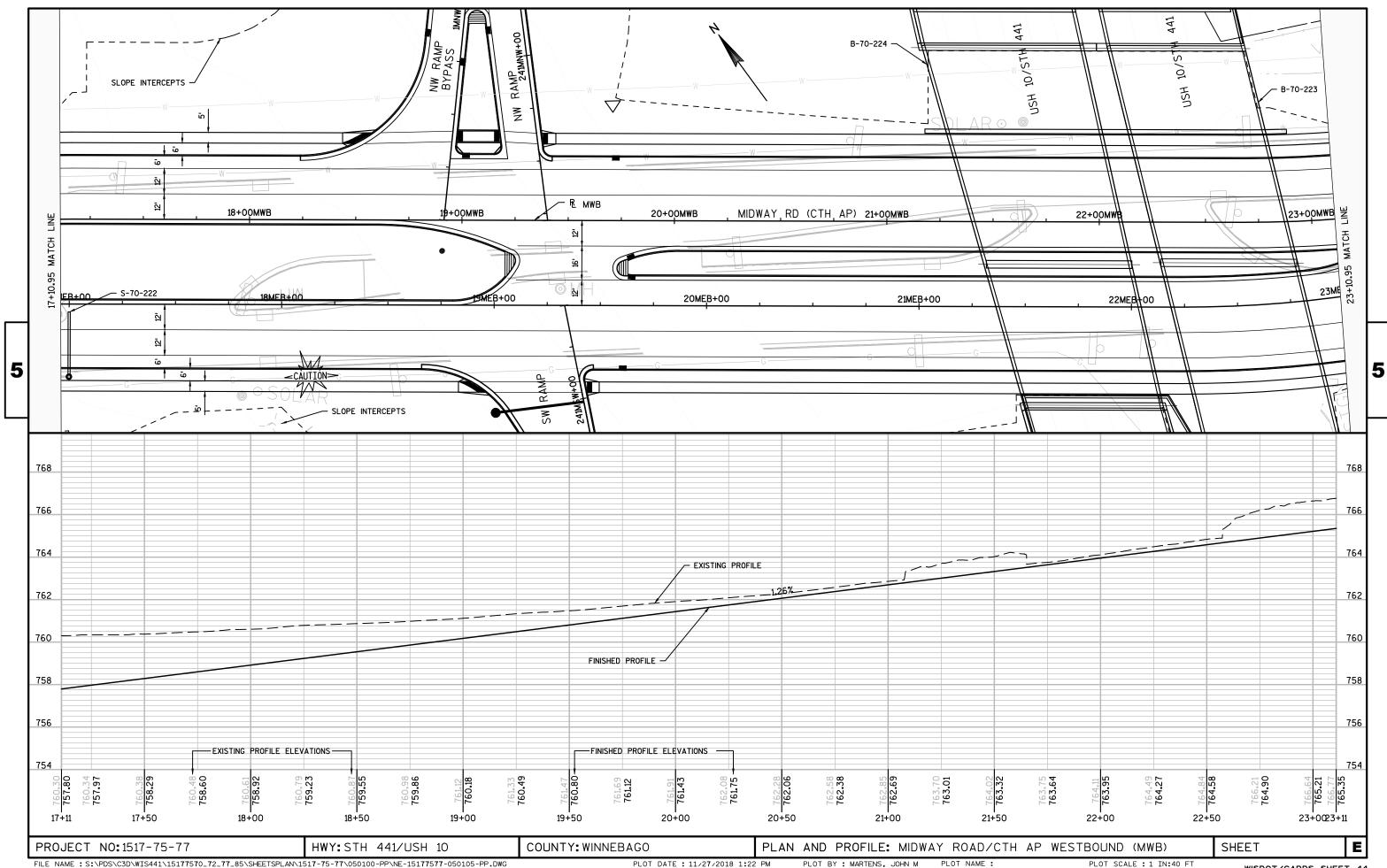


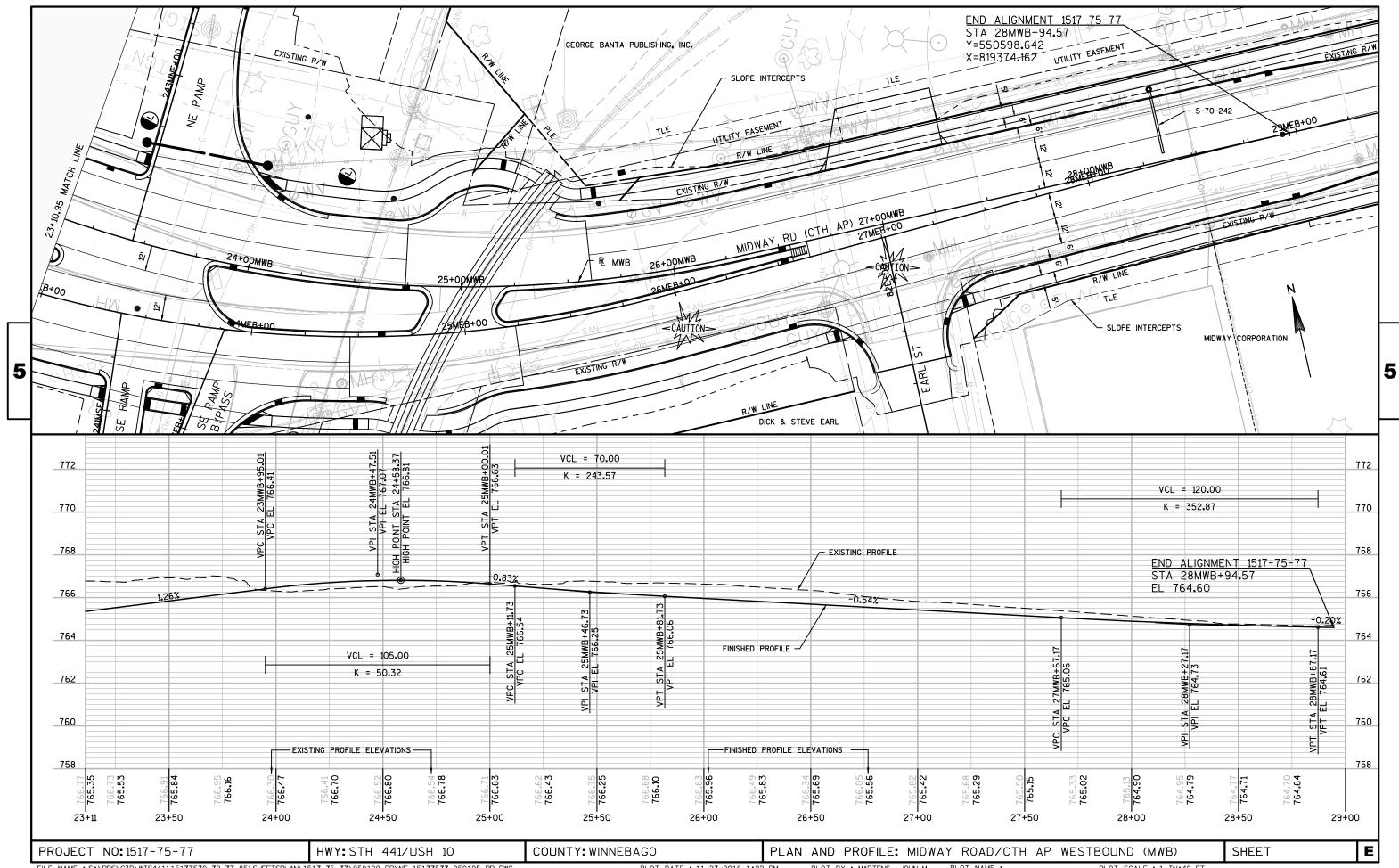


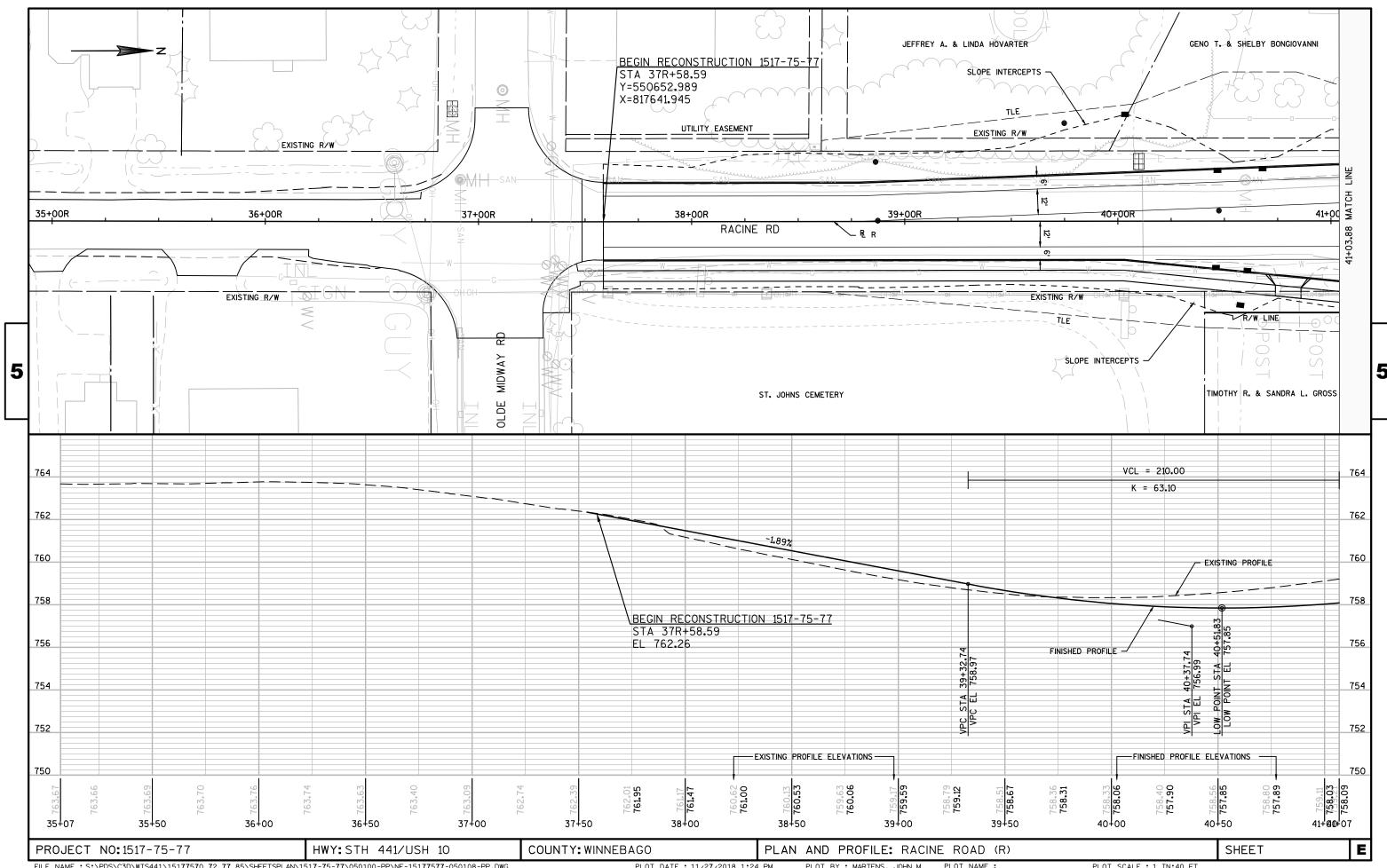


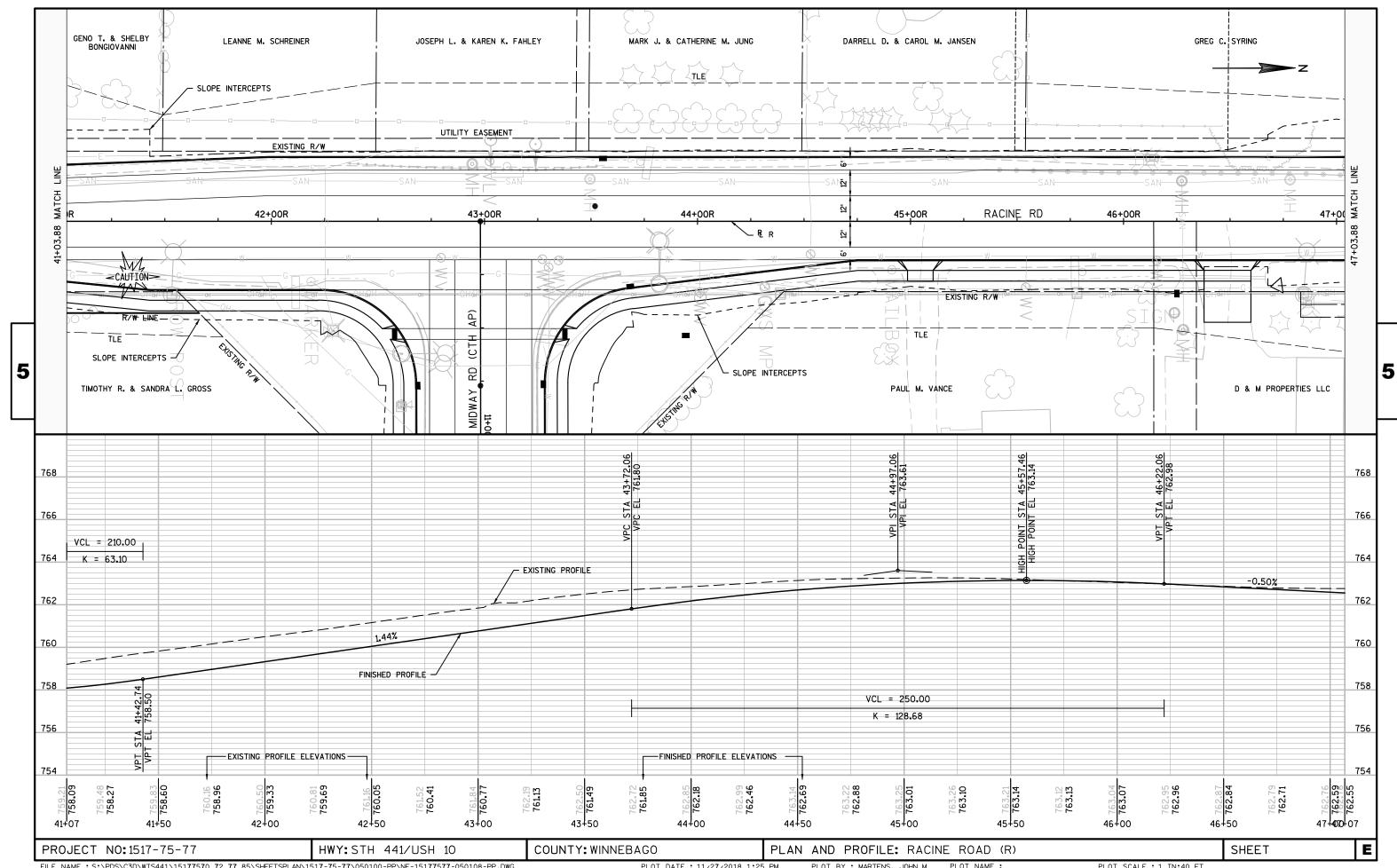


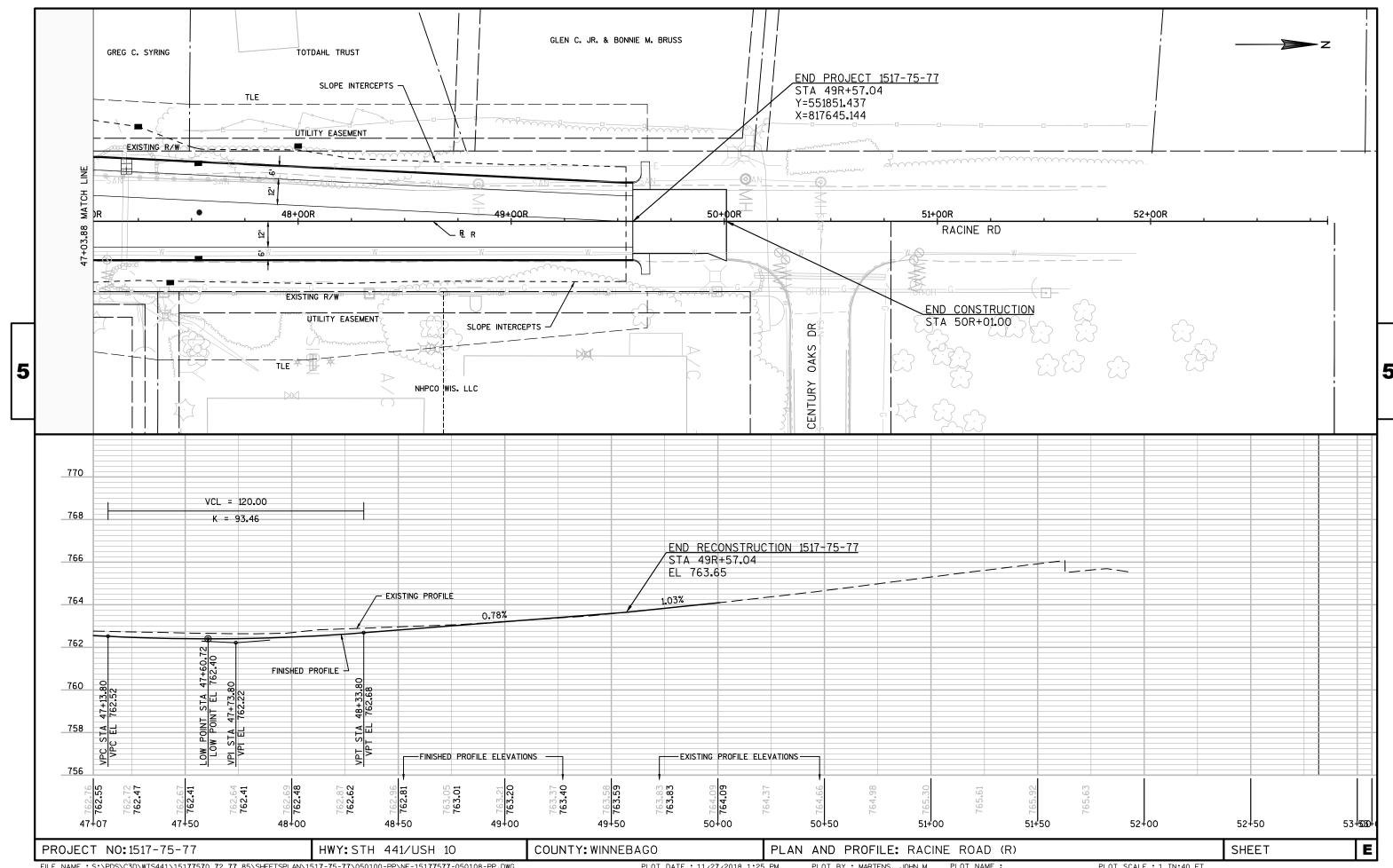


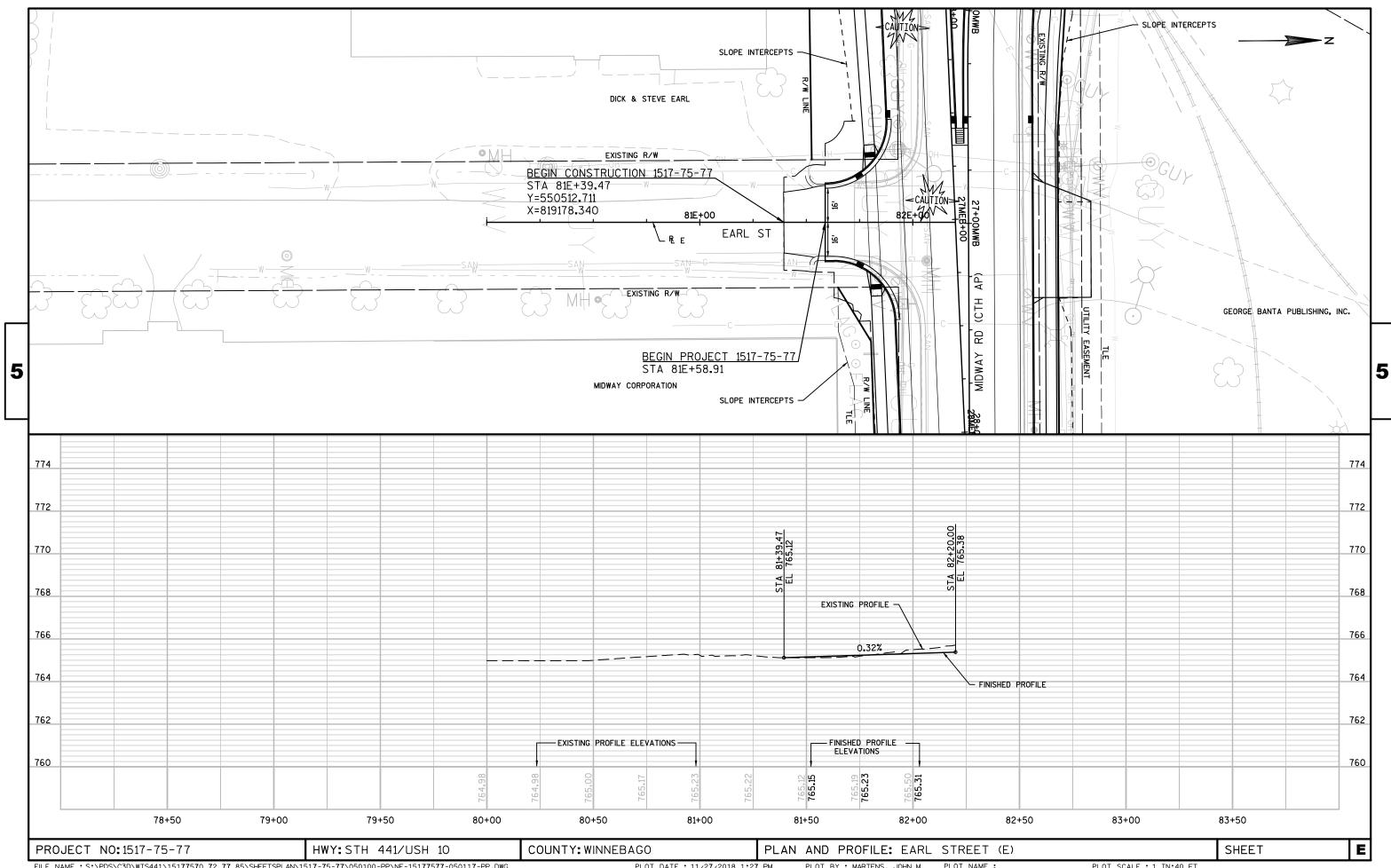


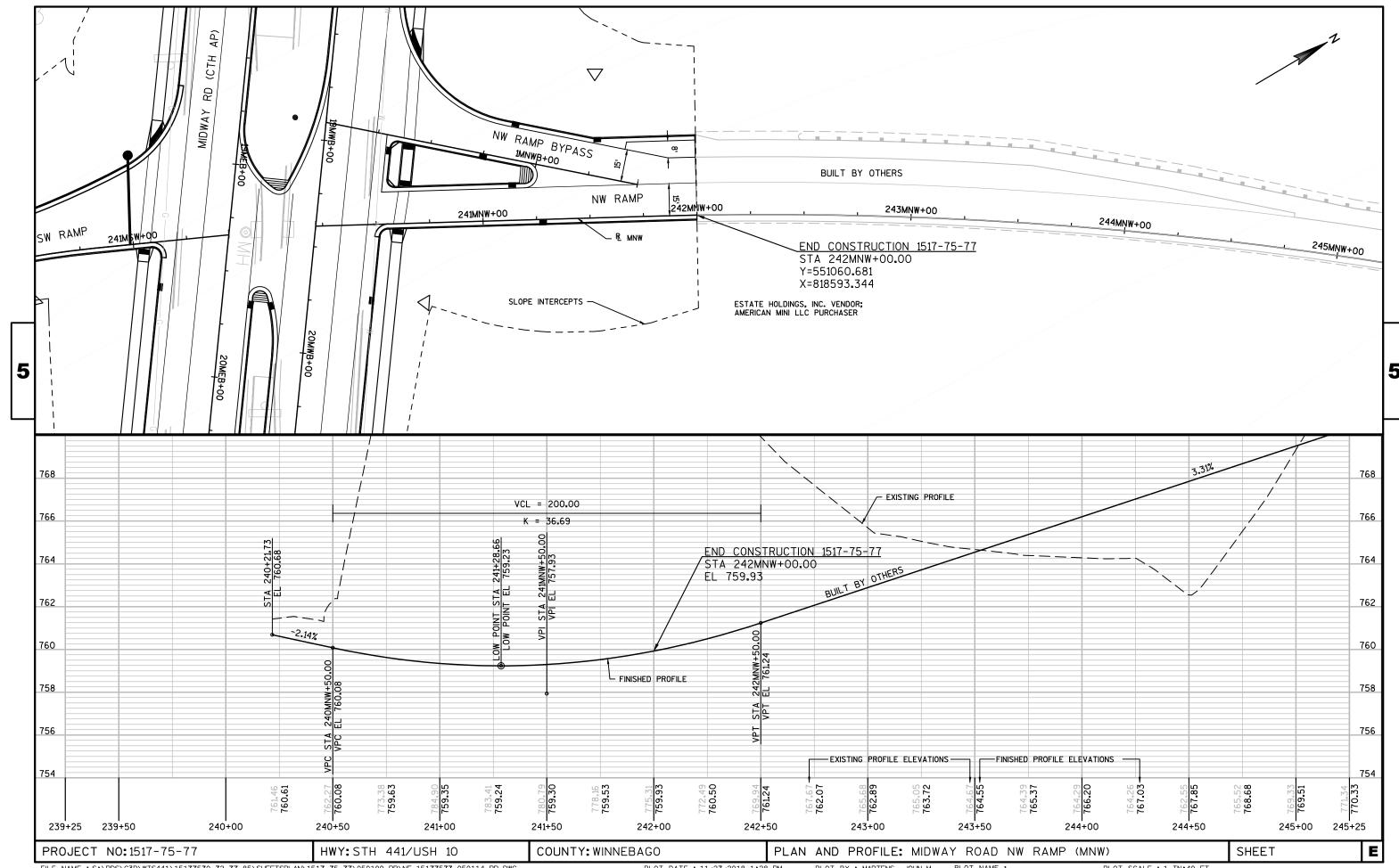


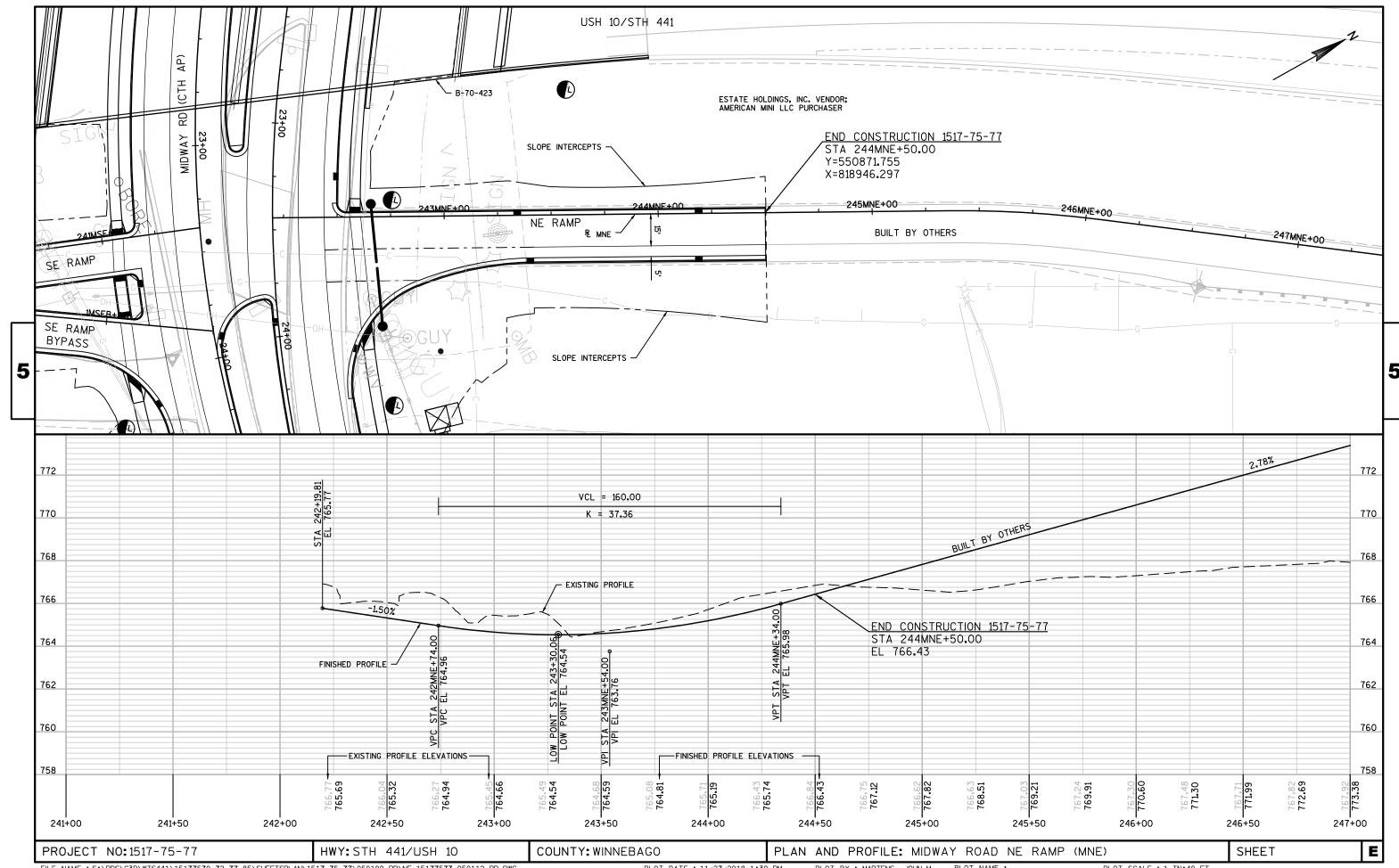


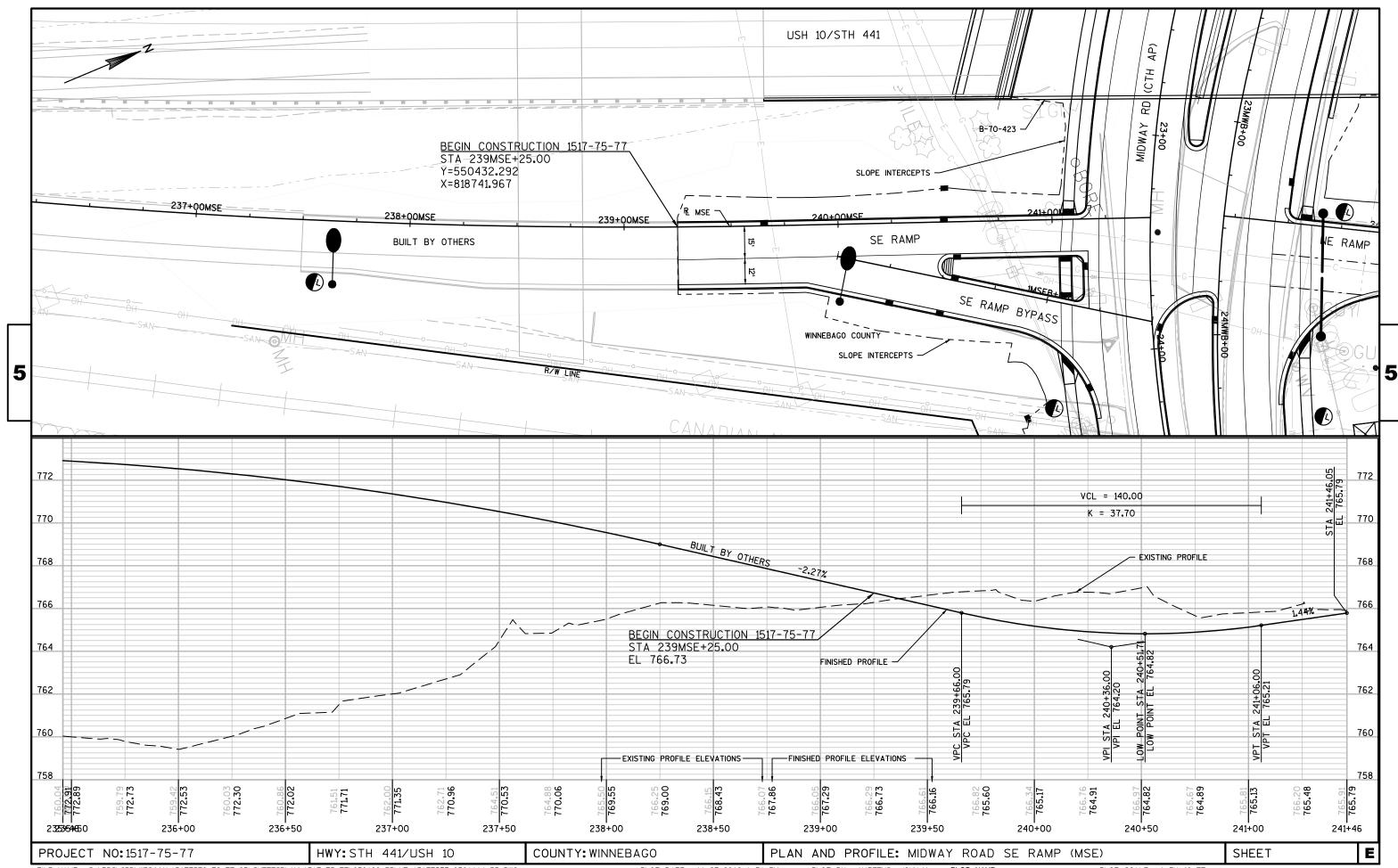


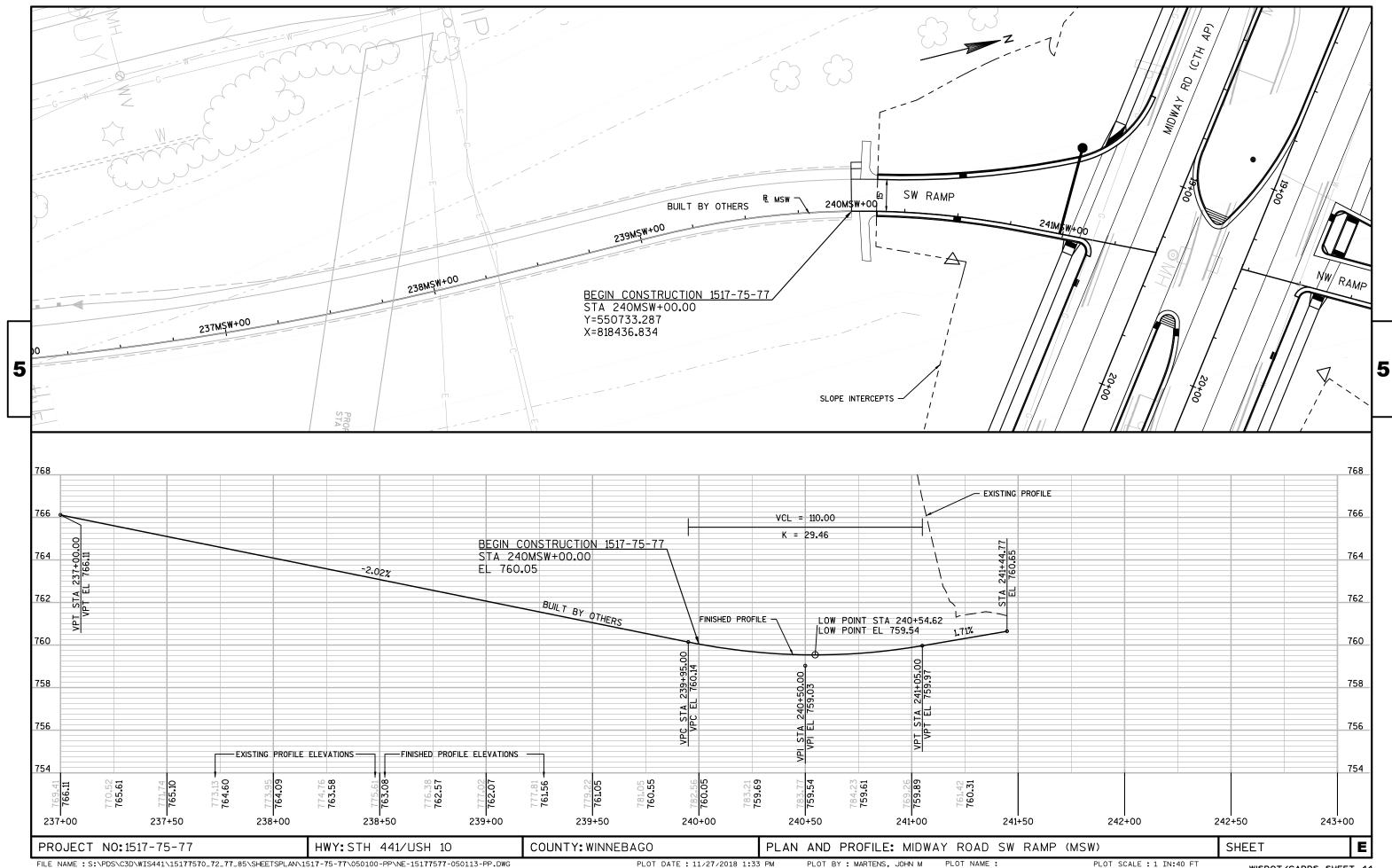


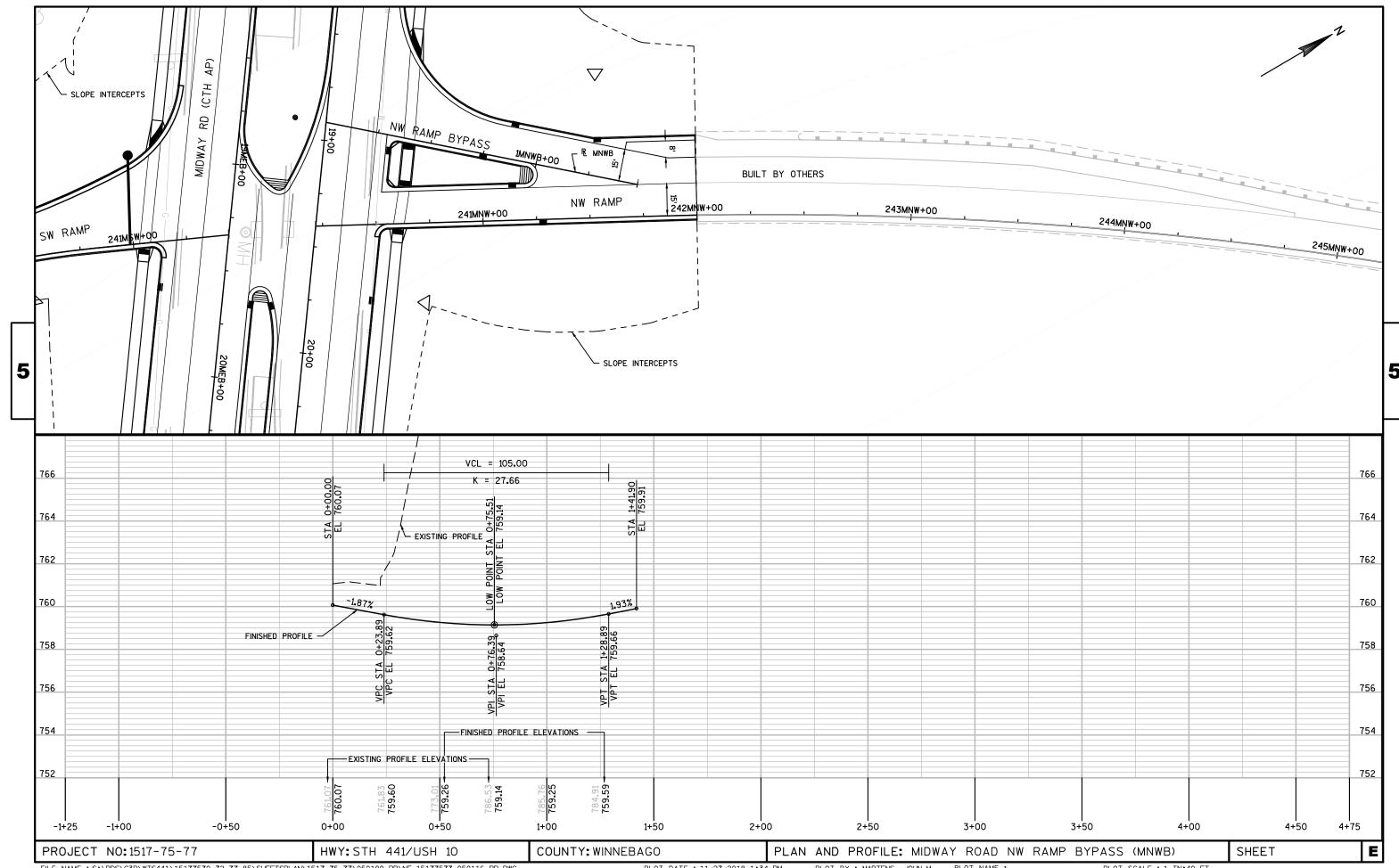


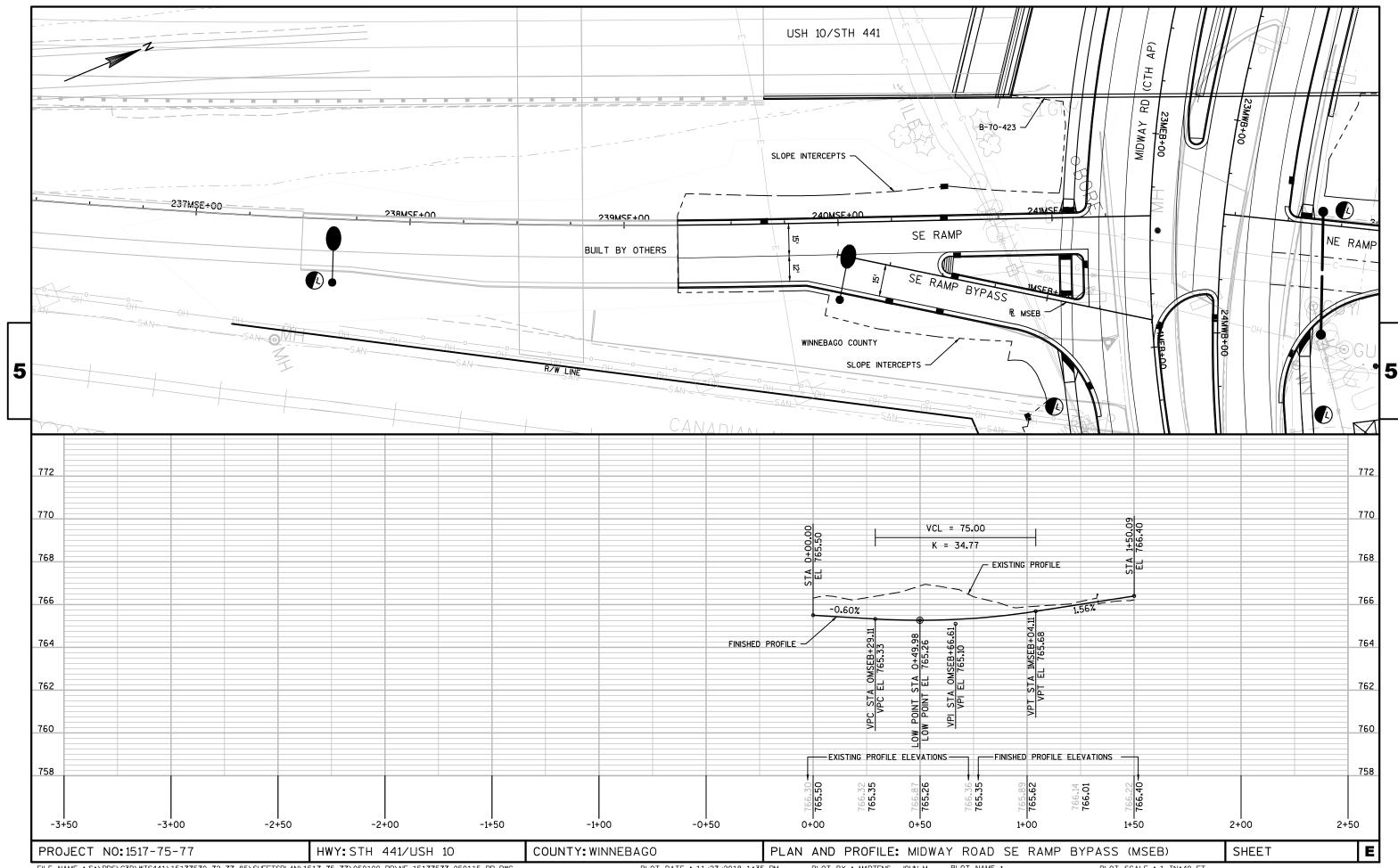


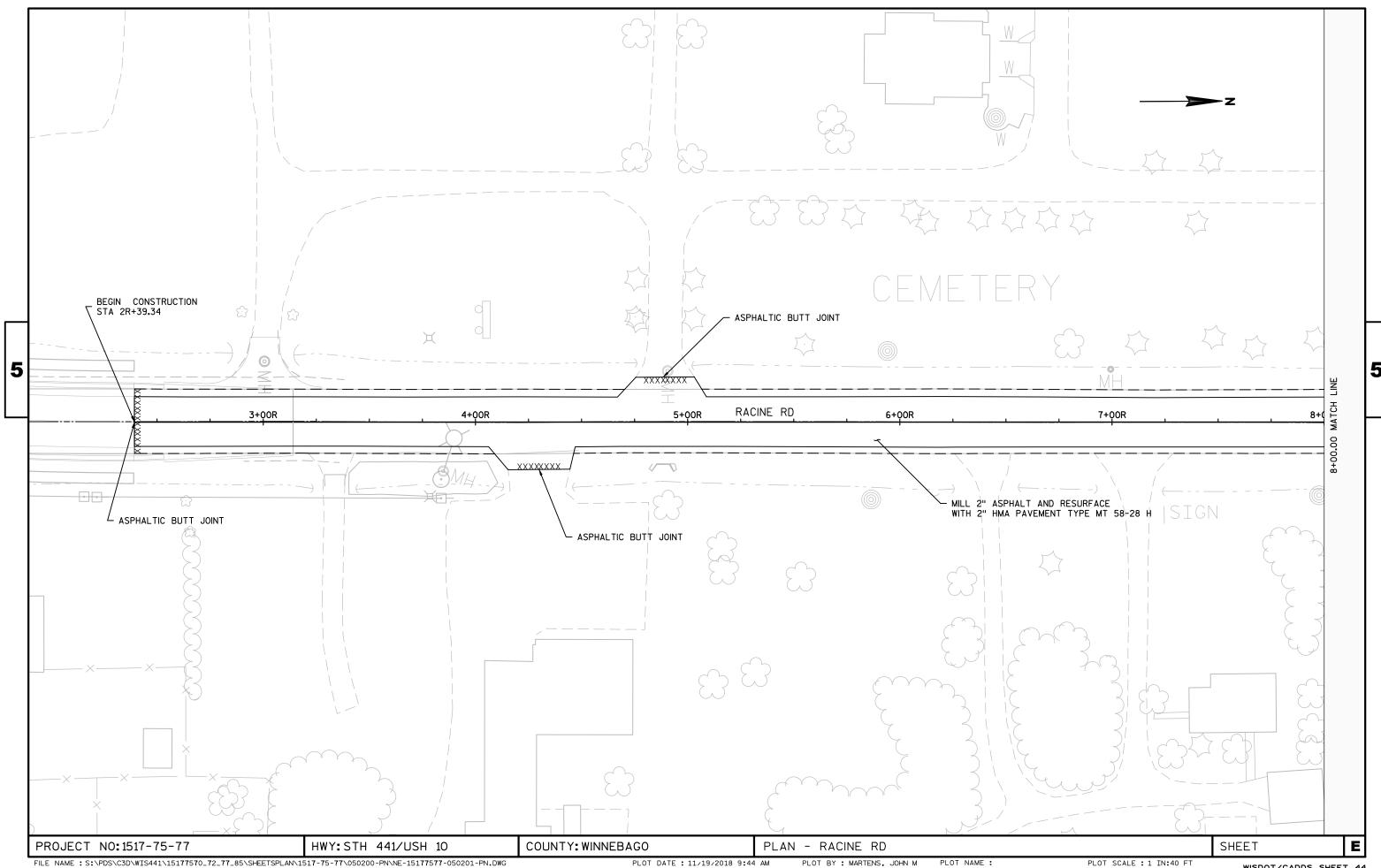


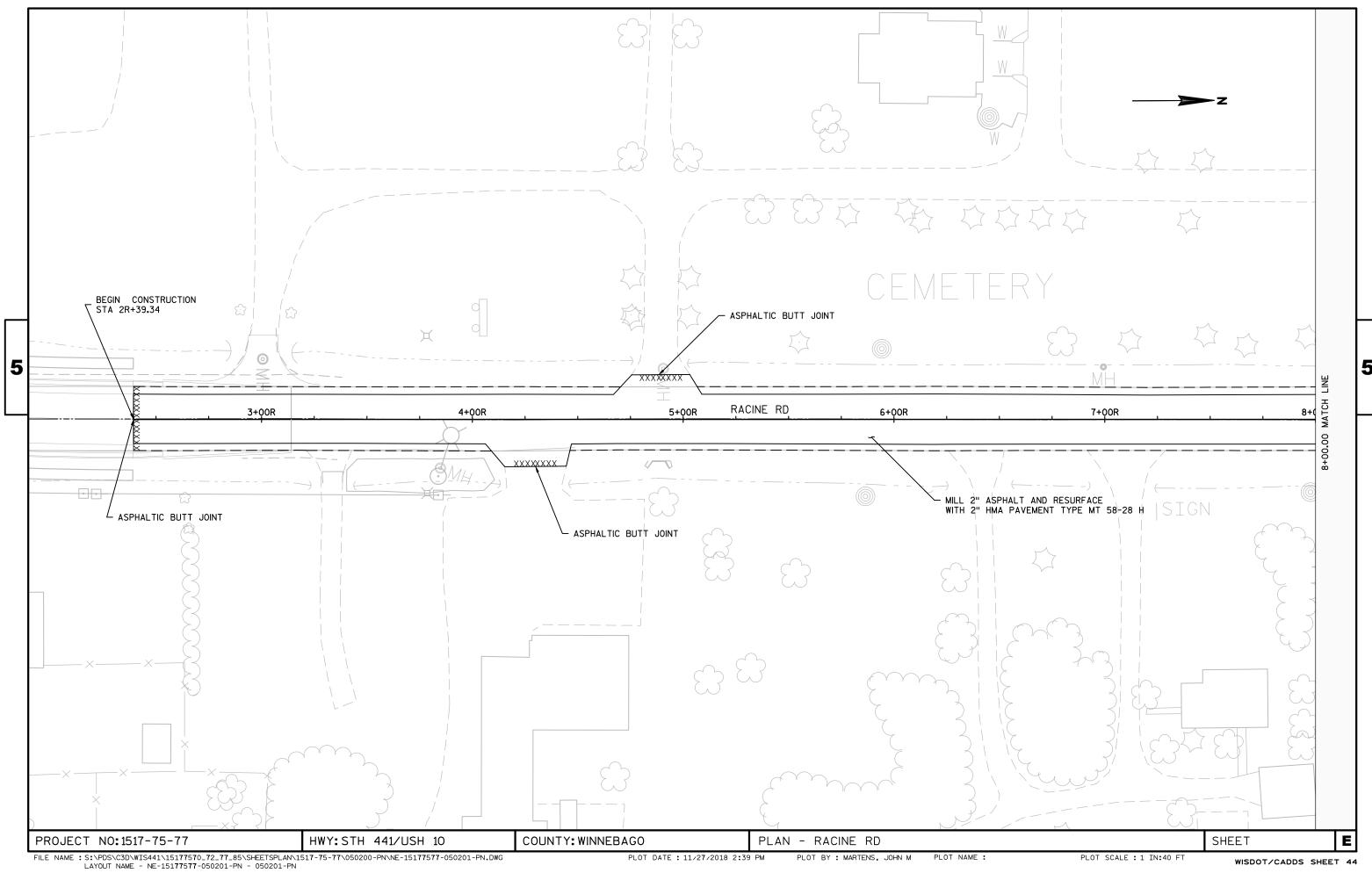


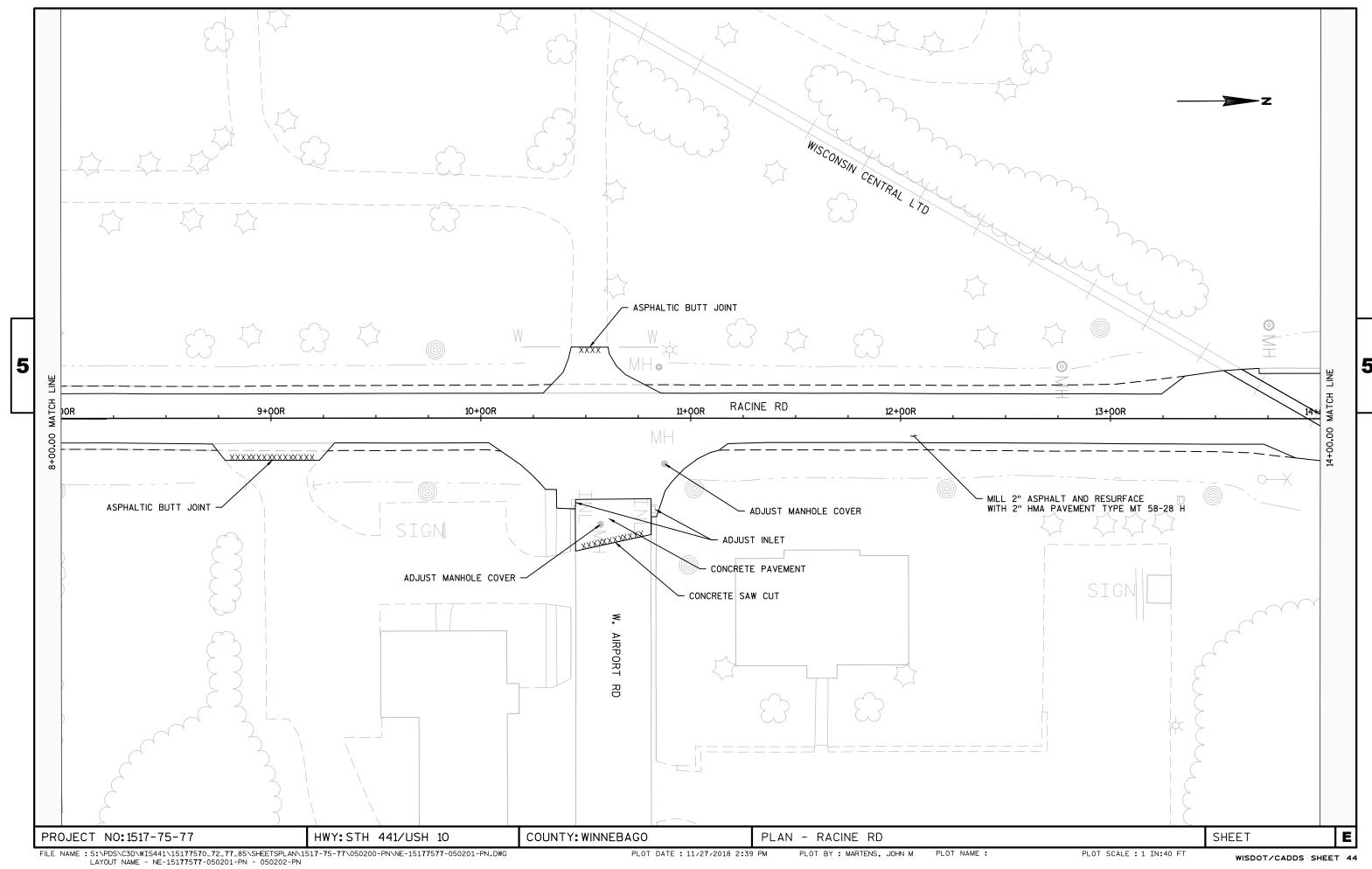


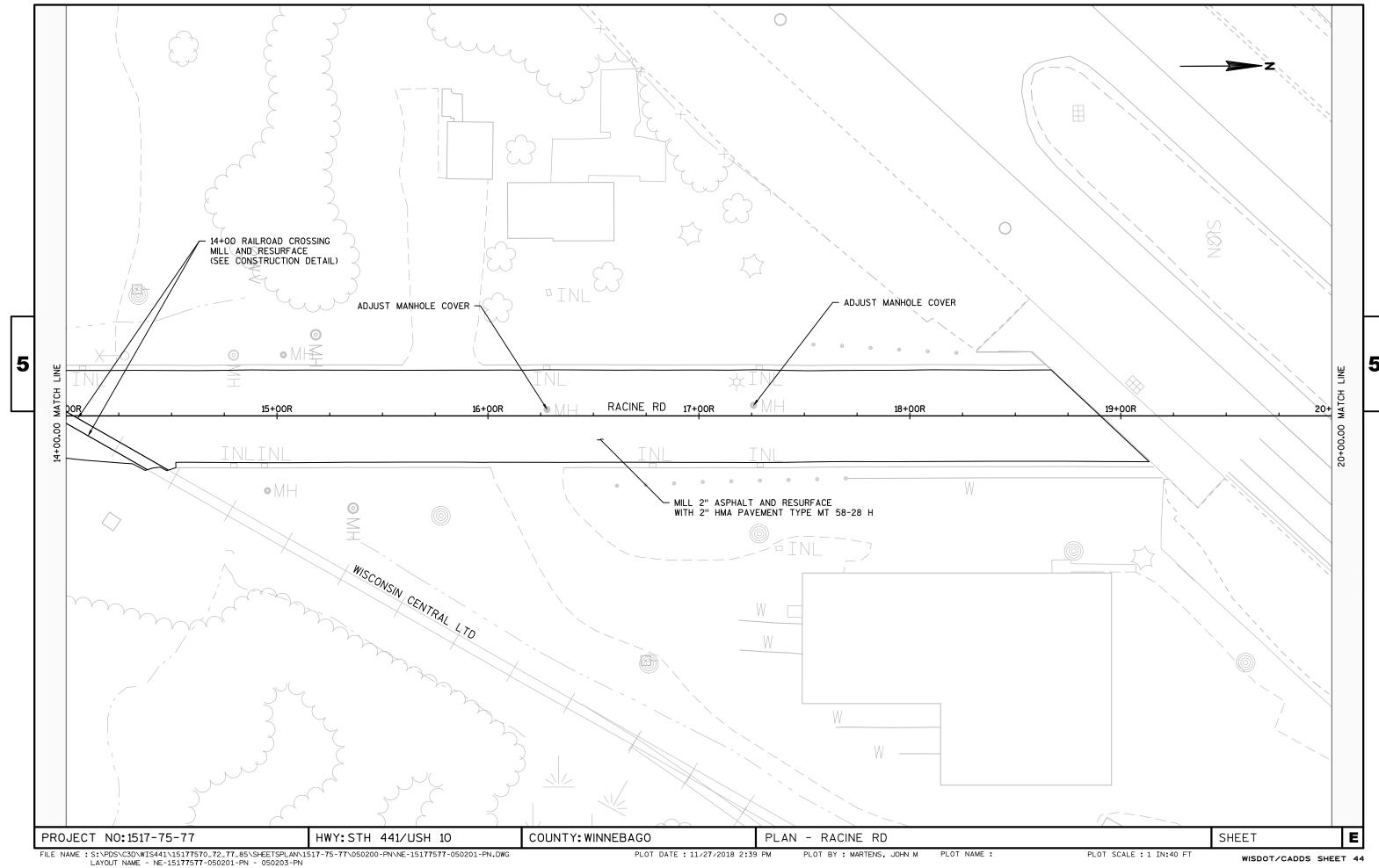


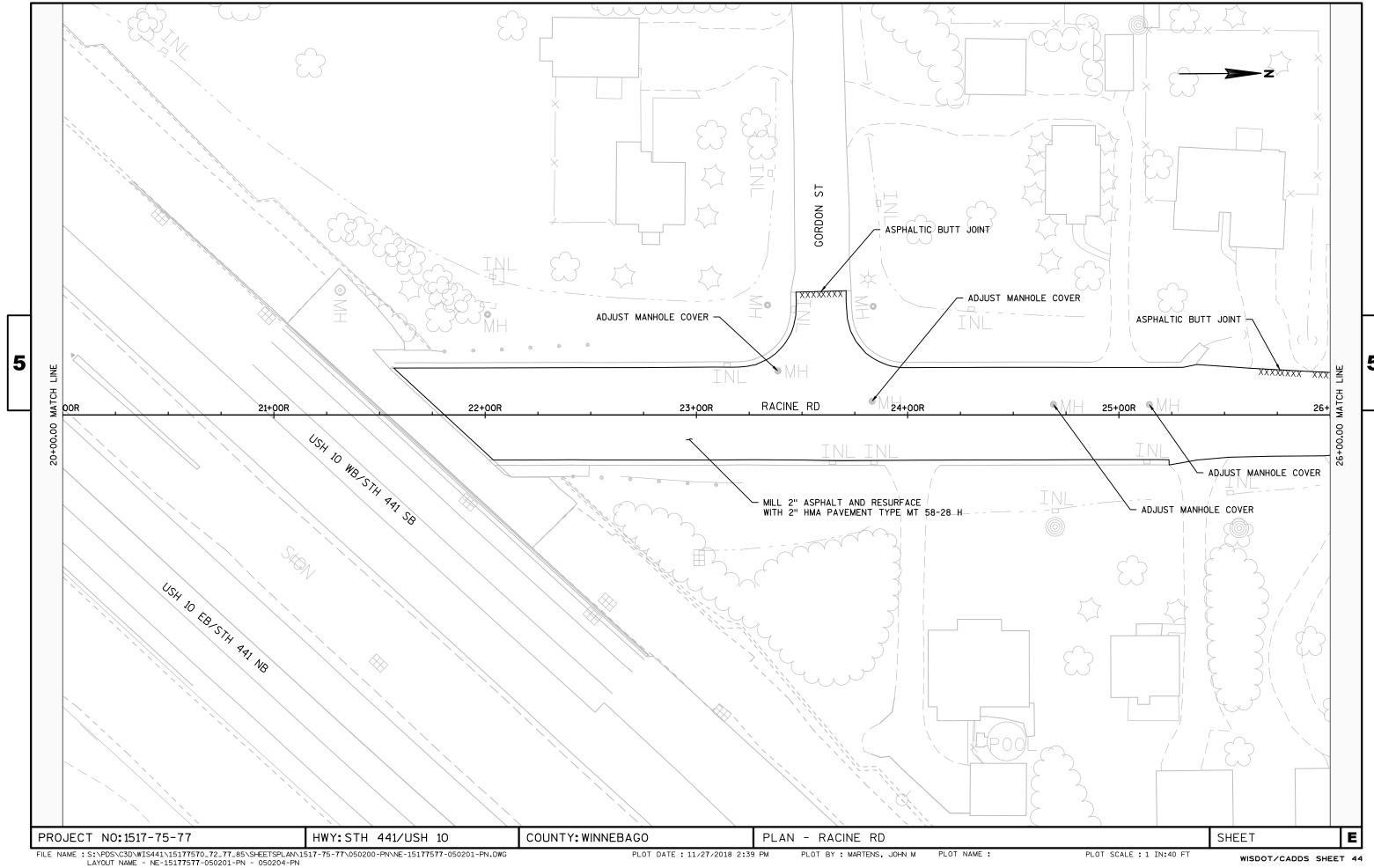


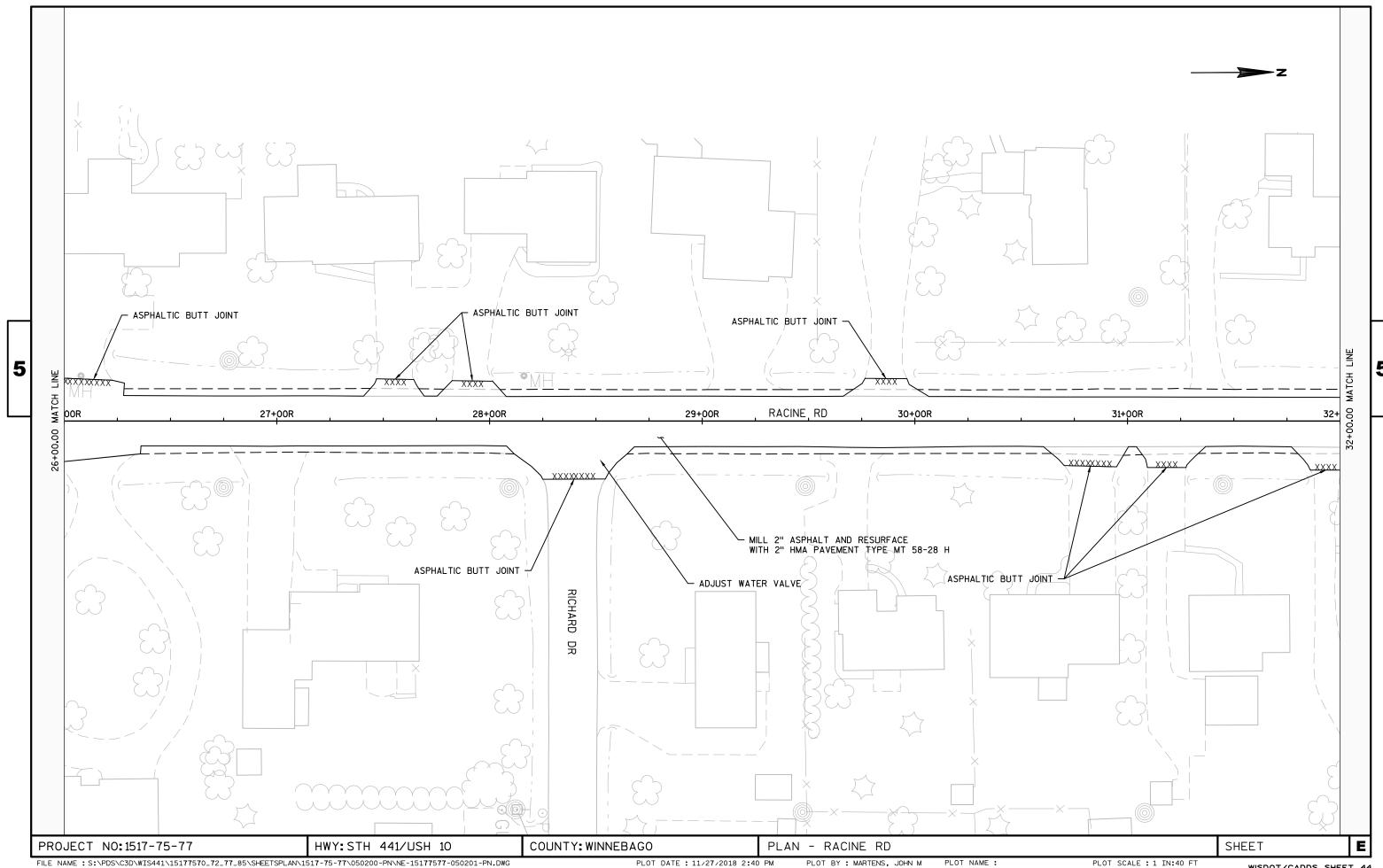






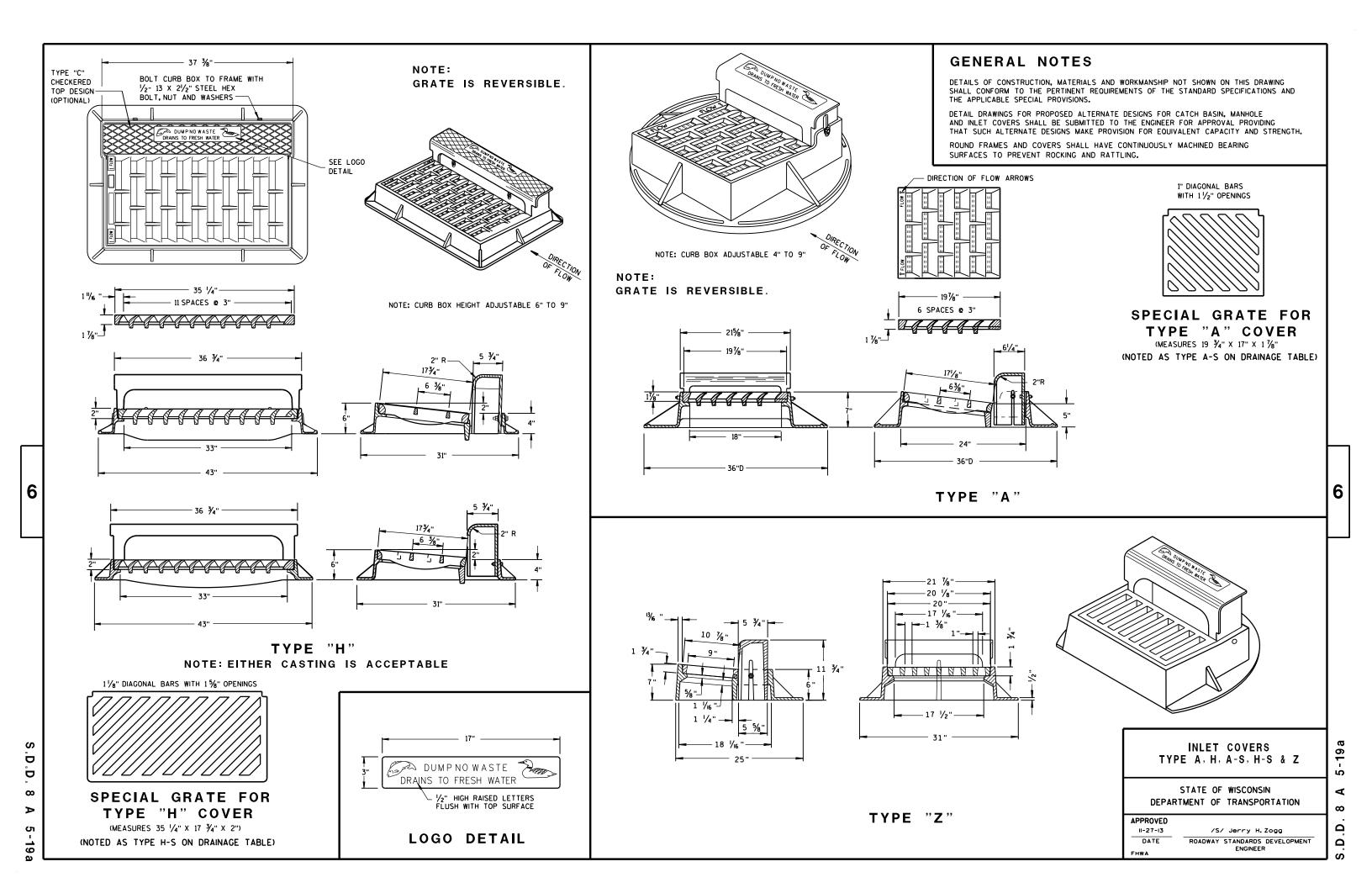


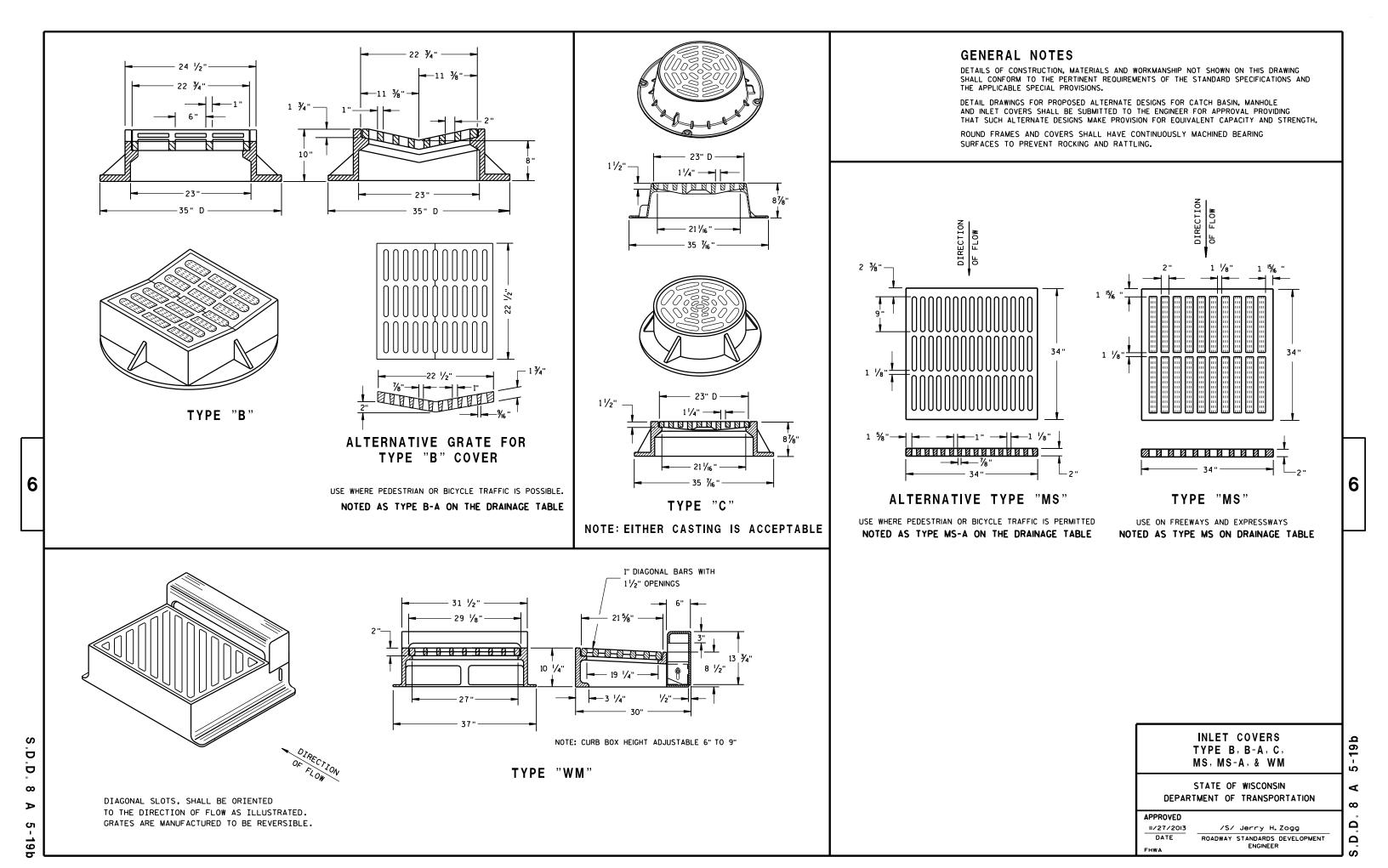


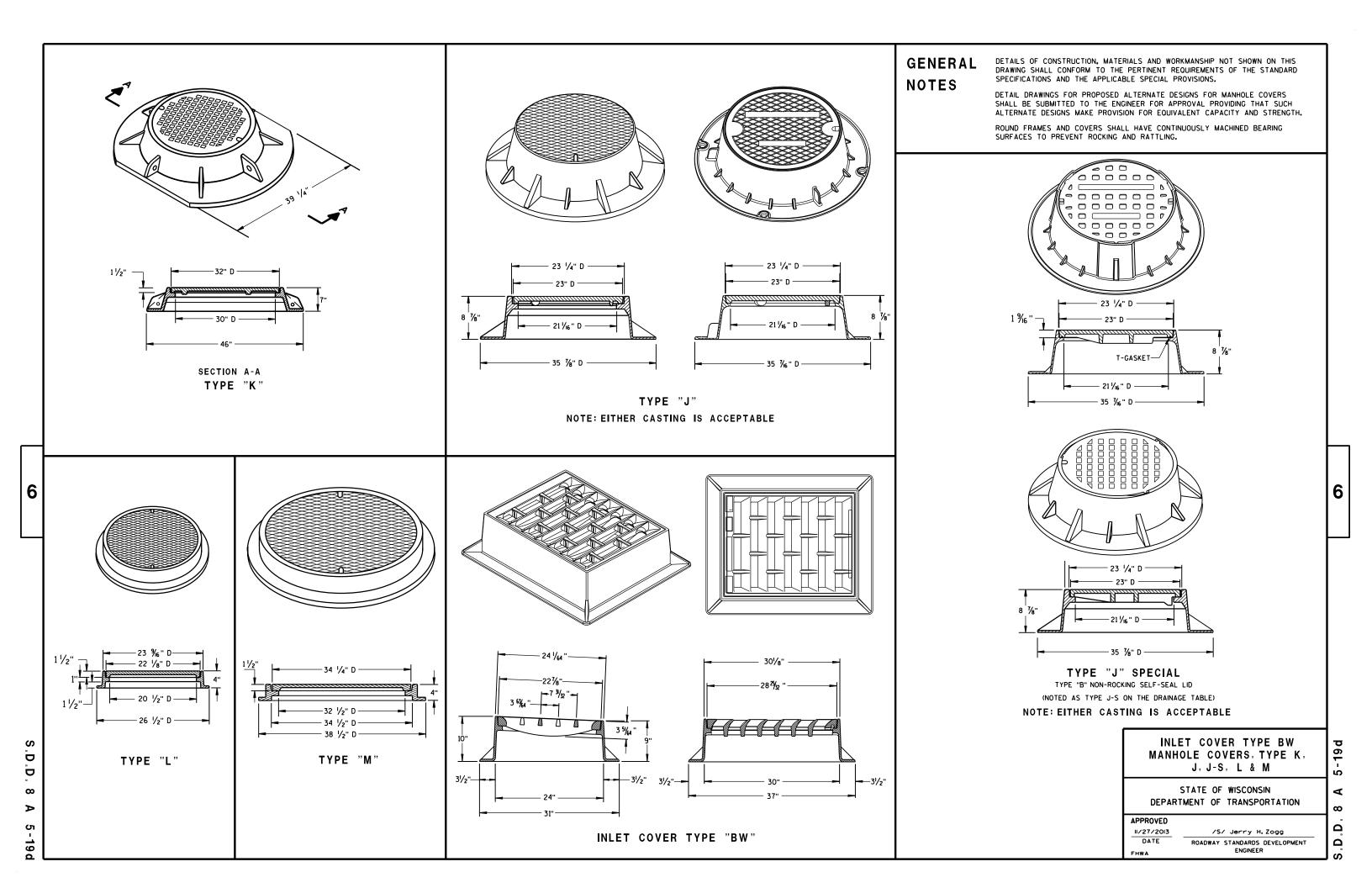


Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08в09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	inlets 3-ft and 4-ft diameter
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A 08D05-19B	CURB RAMPS TYPES 1 AND 1-A CURB RAMPS TYPES 2 AND 3
08D05-19B	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-07 09C03-04	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04 09C08-05	TRANSFORMER/PEDESTAL BASES CONCRETE BASE, TYPE 7
09C08-03	TRANSFORMER BASE FOR 15" BOLT CIRCLE
09C10 03	CONCRETE CONTROL CABINET BASE, TYPE L
09E01-14F	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 17 (40 FEET)
11B02-02	CONCRETE MEDIAN NOSE
13в01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13С18-06В	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
14B39-01A	32-INCH SSCB TO 36-INCH SSCB HEIGHT TRANSITION
14B39-01C	36-INCH SSCB TO 42-INCH SSCB HEIGHT TRANSITION SINGLE SLOPE ROADSIDE RETAINING WALL
14B41-03A 14B41-03B	SINGLE SLOPE ROADSIDE RETAINING WALL SINGLE SLOPE ROADSIDE RETAINING WALL
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15С08-19В	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04 15C19-05A	MEDIAN ISLAND MARKING MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-05A 15C27-03B	PAVEMENT MARKING (ISLANDS)
15C27-05B 15C29-06A	BICYCLE LANE MARKING
15C29-00A 15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS



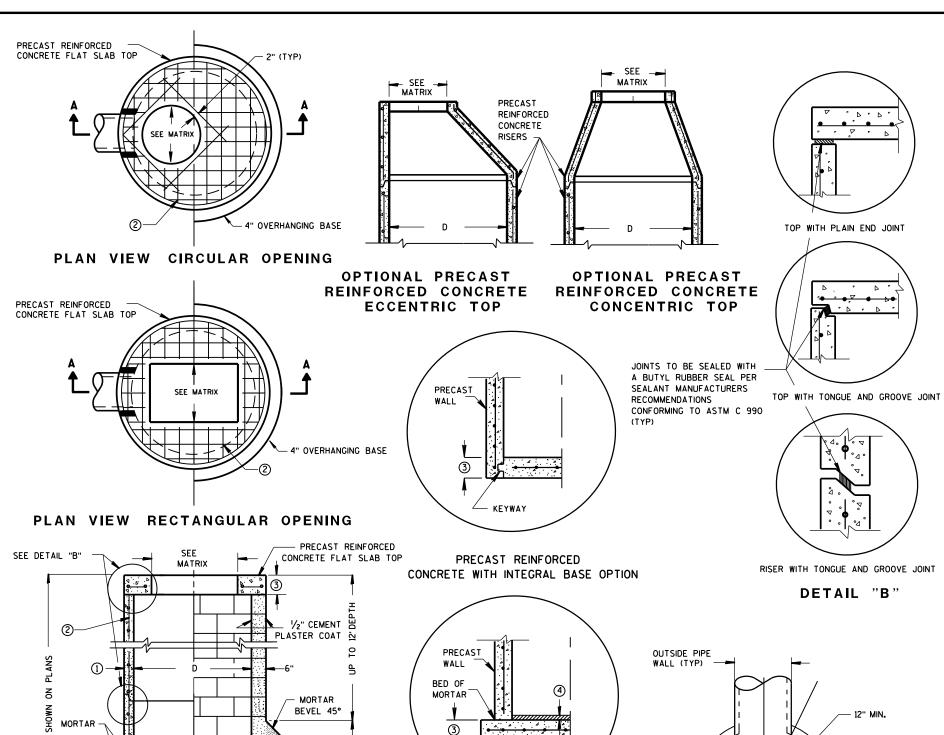






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2 COURSES

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SECTION A-A

.Z.

CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER

FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

CONCRETE BLOCK WITH CAST-

REINFORCED CONCRETE BASE ②

IN-PLACE OR PRECAST

OUTSIDE PIPE WALL (TYP)

DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES, FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF $\frac{1}{2}$ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- ① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.
- (2) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- ③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".
- 4 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN	INLET COVER TYPE	ALL A'S	ALL B'S	BW	С	F	ALL H'S	S	Т	٧	WM	Z
SIZE	OPENING SIZE (FT)											
3-FT	2X2	Х	Х					Х		Х		
"	2 DIA.				Х							Х
	2X2	Х	Х					Х		Х		
4-FT-	2X2.5			Х				Х	Х	Х	X	
6-FT	2 DIA.				X							Х
	2X3						х					
	2.5X3					х						

PIPE MATRIX

CATCH BASIN	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES									
SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)								
3-FT	15	12								
4-FT	24	18								
5-FT	36	24								
6-FT	42	30								

4-FT, 5-FT AND 6-FT DIAMETER

CATCH BASINS 3-FT,

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2016

DATE

ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

CA

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

D.D. 8 A 8-2

SEE DETAIL "A"

PRECAST REINFORCED

CONCRETE WITH

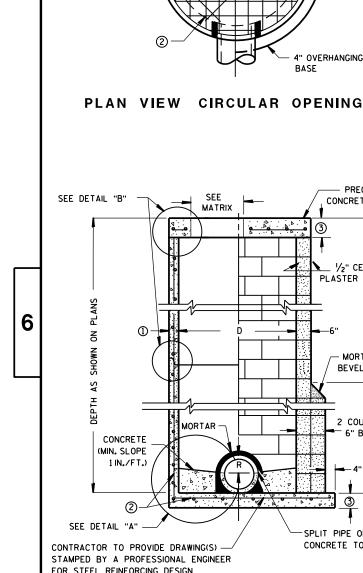
MONOLITHIC BASE

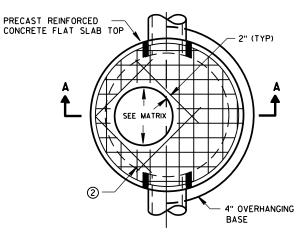


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SEE

MATRIX

SEE __ MATRIX **PRECAST** REINFORCED CONCRETE RISERS

OPTIONAL PRECAST REINFORCED CONCRETE **ECCENTRIC TOP**

PRECAST

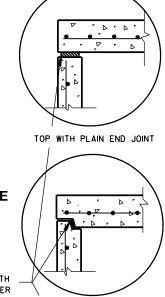
WALL

PRECAST REINFORCED

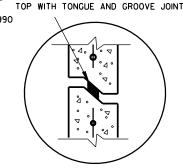
CONCRETE FLAT SLAB TOP

CONCRETE BASE 2

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

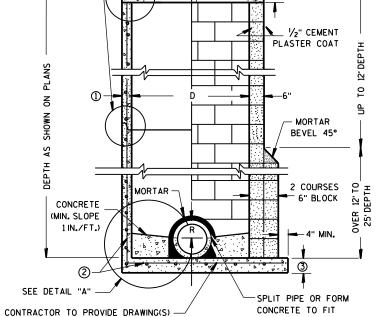


JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

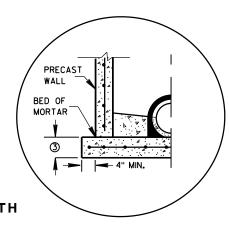


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B'



FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES PRECAST REINFORCED CONCRETE BLOCK WITH **CONCRETE WITH** CAST-IN-PLACE OR PRECAST REINFORCED MONOLITHIC BASE

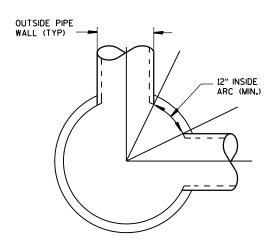


PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES, FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT, 7 INCHES O MINIMUM WALL IHICKNESS SHALL DE 4 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- (2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- (3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

MANHOLE COVER OPENING MATRIX

ĺ	MANHOLE COVER TYPE	С	ALL J'S	K	L	М
	OPENING SIZE (FT)					
	2 DIA.	×	х		Х	
ı	3 DIA.			Х		Х

PIPE MATRIX

MANHOLE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES						
SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)					
3-FT	15	12					
4-FT	24	18					
5-FT	36	24					
6-FT	42	36					
7-FT	48	36					
8-FT	60	42					

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PPROVED	
Sept., 2016	/S/ Rodney Taylor
DATE	ROADWAY STANDARDS DEVE
	UNIT SUPERVISOR

ELOPMENT

CIRCULAR INLETS W/ FLAT TOP

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SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" DETAIL "A"

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

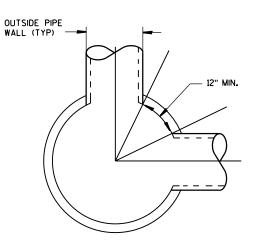
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- (1) MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.
- 2 FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	С	F	ALL H'S	S	Т	٧	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				×							х
	2X2	х	х					Х		Х		
4-FT	2 DIA.				х							х
	2X2	х	х					х		Х		
	2X2.5			Х				х	х	х	х	
	2X3						х					
	2.5X3					х						



DETAIL "C"

PIPE MATRIX

	INLET	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES							
١	SIZE	180° SEPARATION (IN)	90° SEPARATION (IN)						
	3-FT	15	12						
	4-FT	24	18						

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

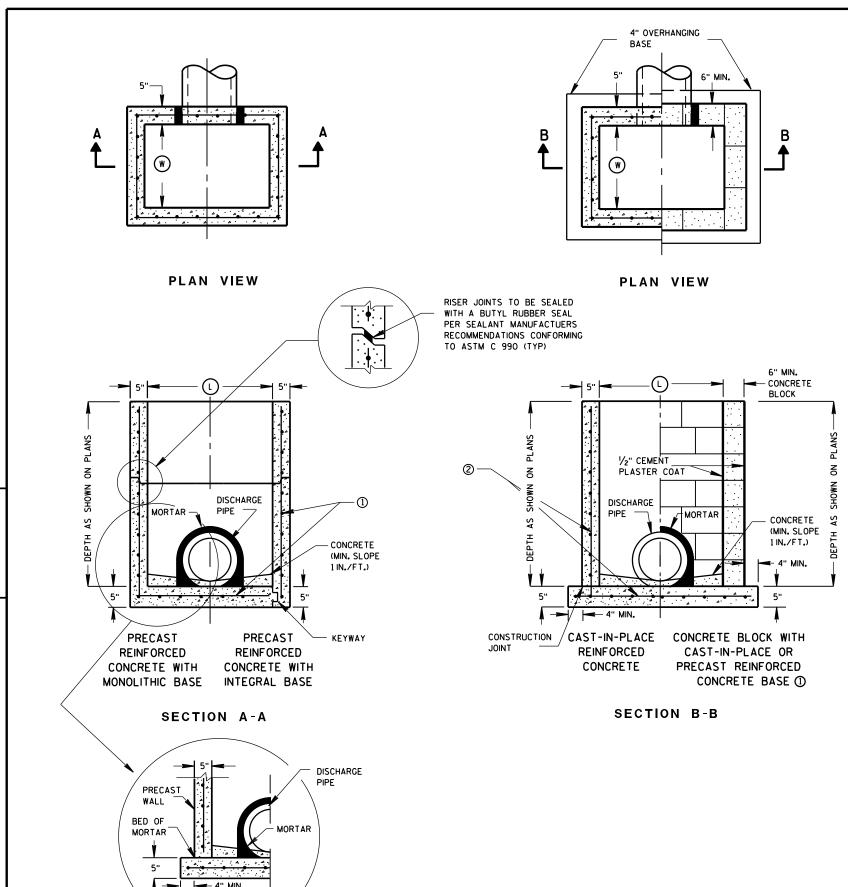
APPROVED

Sept., 2016 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.

OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

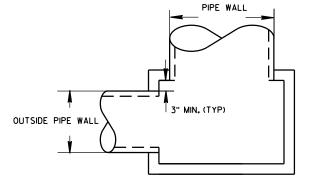
- ① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- ② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	Т	٧	WM
	WIDTH (V) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	х	х				Х		х	
2X2.5-FT	2	2.5			Х			Х	Х	Х	Х
2X3-FT	2	3					Х				
2.5X3-FT	2.5	3				Х					

PIPE MATRIX

	MAXIMUM IN DIAM	NSIDE PIPE ETER
INLET SIZE	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

OUTSIDE

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

Sept., 2016

DATE

ROADWAY STANDARDS DEVELOPMENT

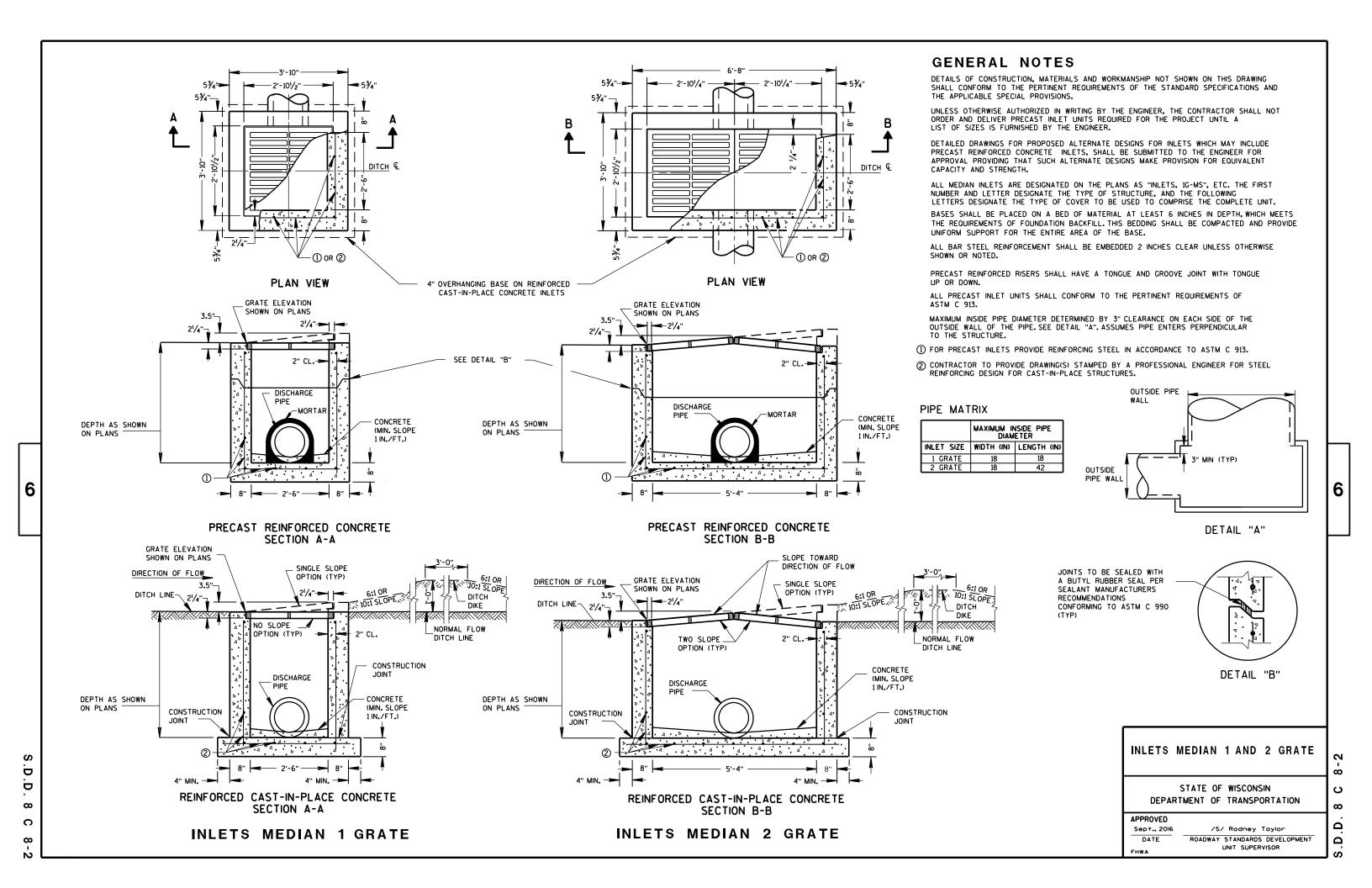
UNIT SUPERVISOR

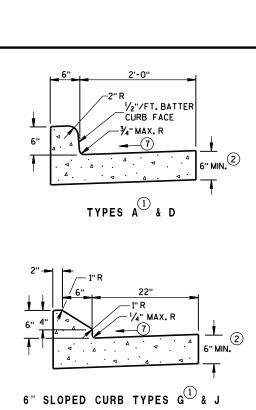
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

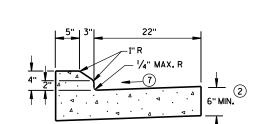
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SEPARATE PRECAST REINFORCED

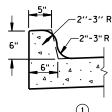
CONCRETE BASE OPTION



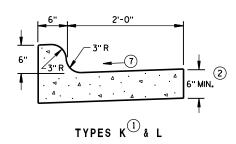




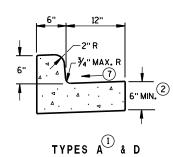
4" SLOPED CURB TYPES G 4 J



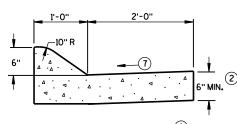
TYPES K & L
(OPTIONAL CURB SHAPE)



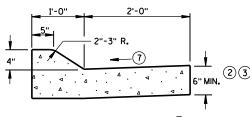
CONCRETE CURB & GUTTER 30"



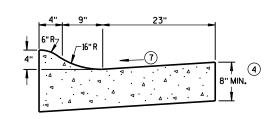
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A & D

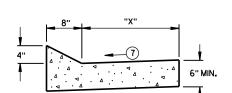


4" SLOPED CURB TYPES A D



4" SLOPED CURB TYPES R T & T

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT $^{ ext{\scriptsize (1)}}$

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

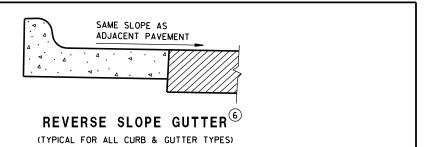
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

- (1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- (2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
- 4 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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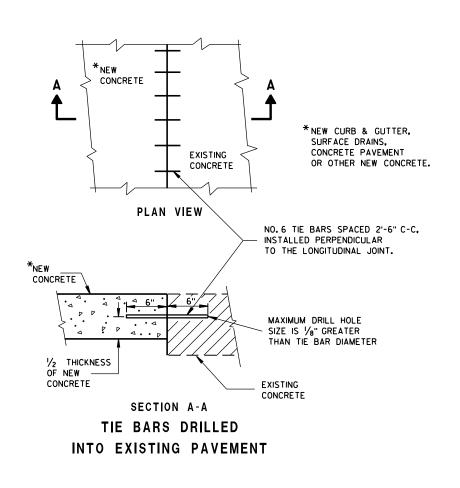
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^{*} BIKE LANE IS NOT SHOWN.

DETAIL OF CURB AND GUTTER AT INLETS (TYPE H INLET COVER SHOWN)

CONTRACTION **PAVEMENT**

END SECTION CURB & GUTTER



GENERAL NOTES

_ 1/2"/FT.BATTER,FACE OF CURB (ABOVE ADJACENT PAVEMENT)

ADJACENT

PAVEMENT

NO. 4 X 2'-0" DEF. TIE

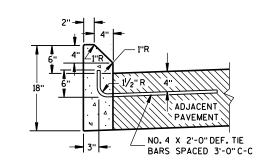
BARS SPACED 3'-0" C-C

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

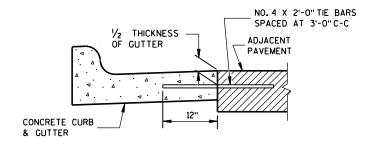
- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A.G.K.R AND TBTT.
- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



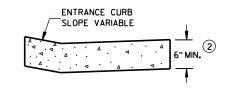
TYPES A D

TYPES G 4 J

CONCRETE CURB



TYPICAL TIE BAR LOCATION 1



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor June, 2017 DATE

ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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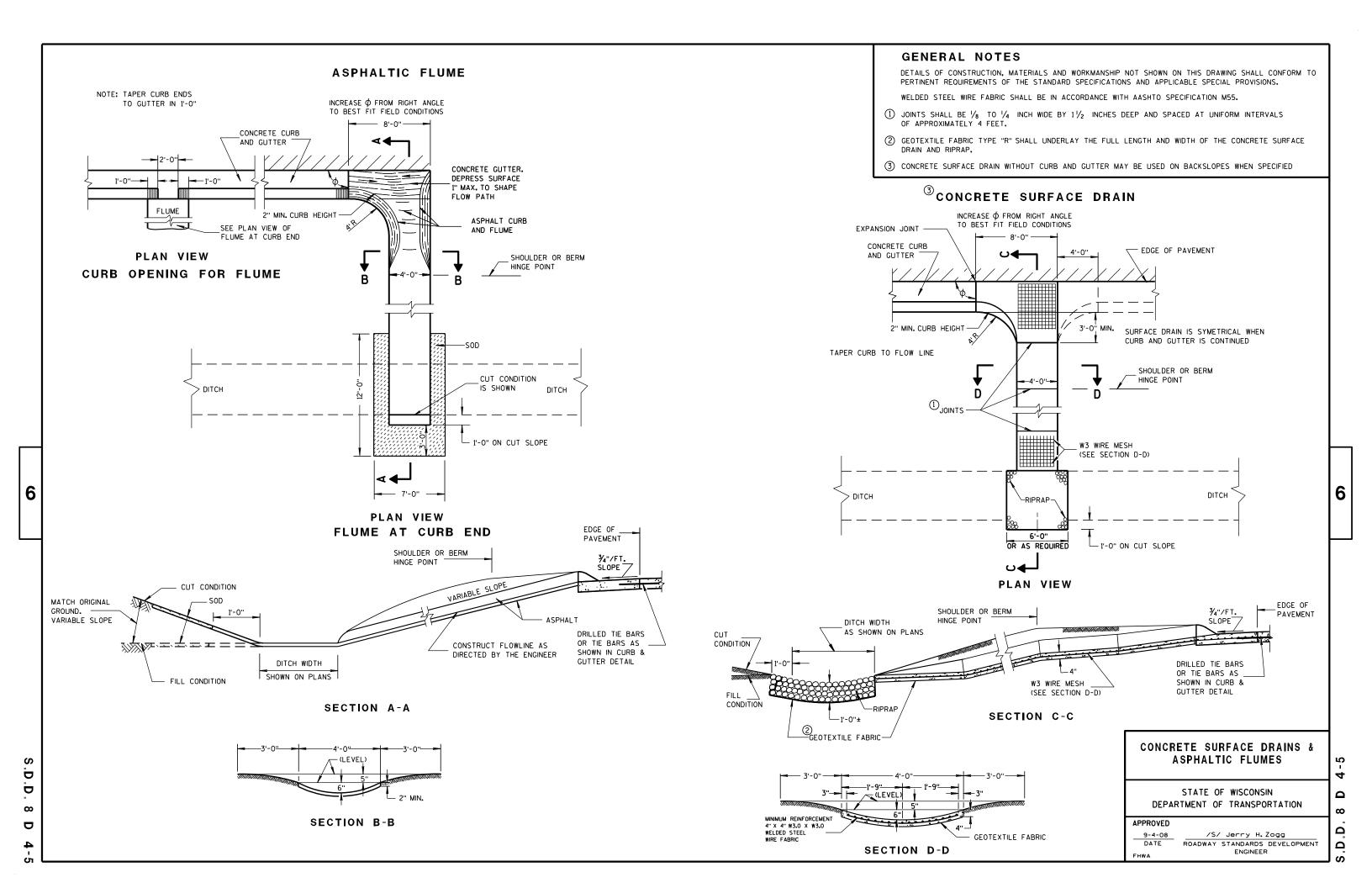
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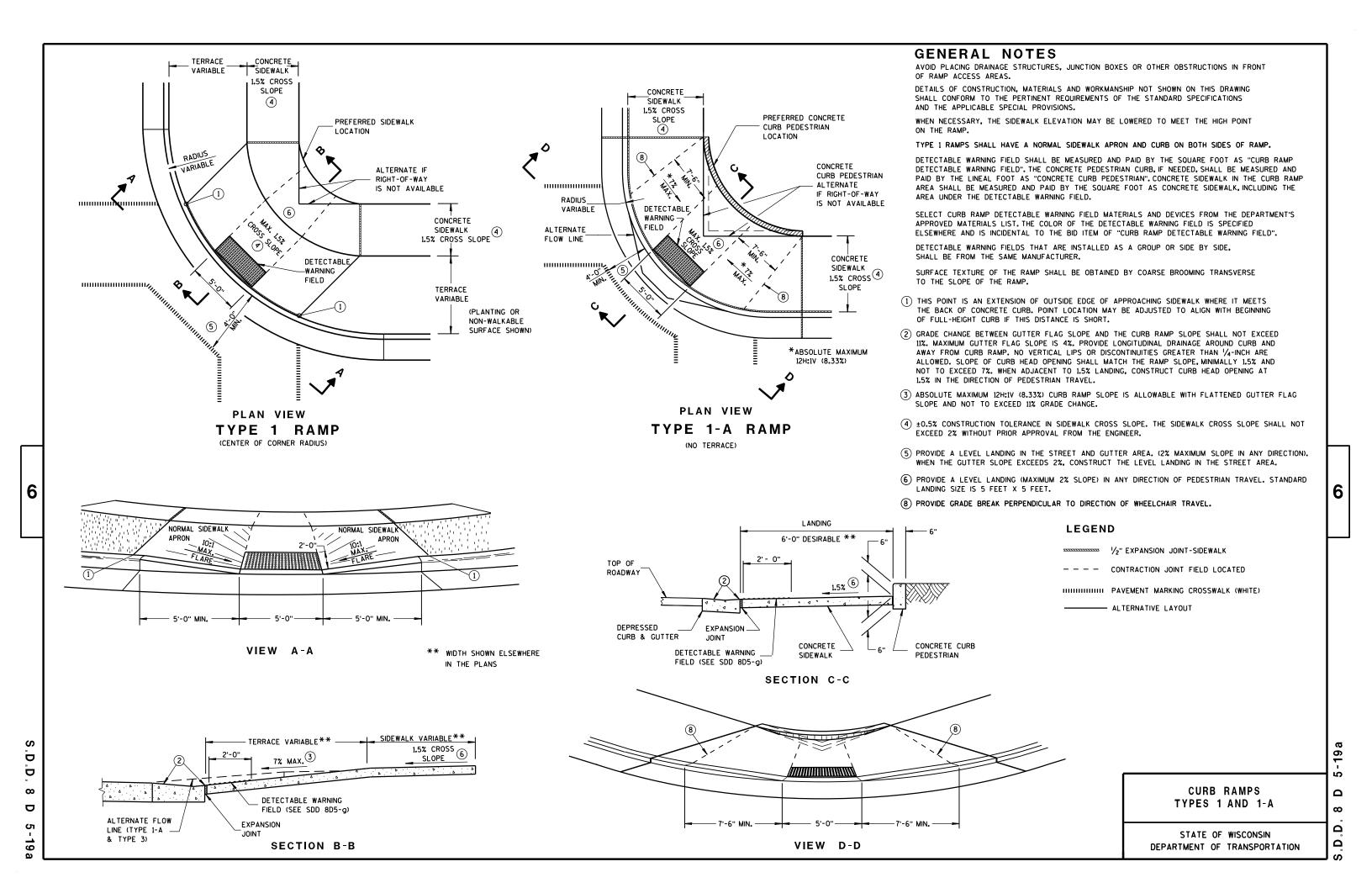
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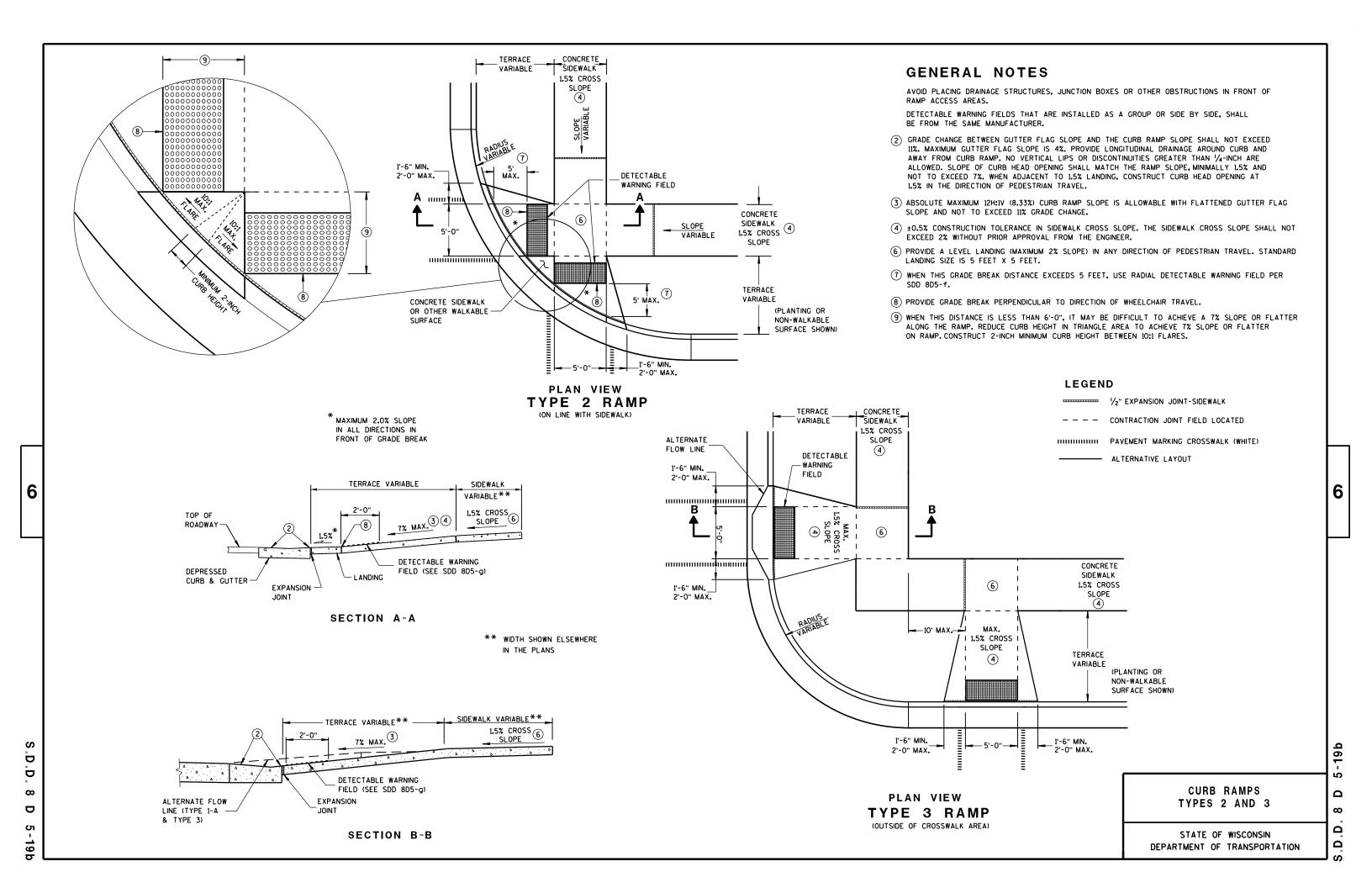
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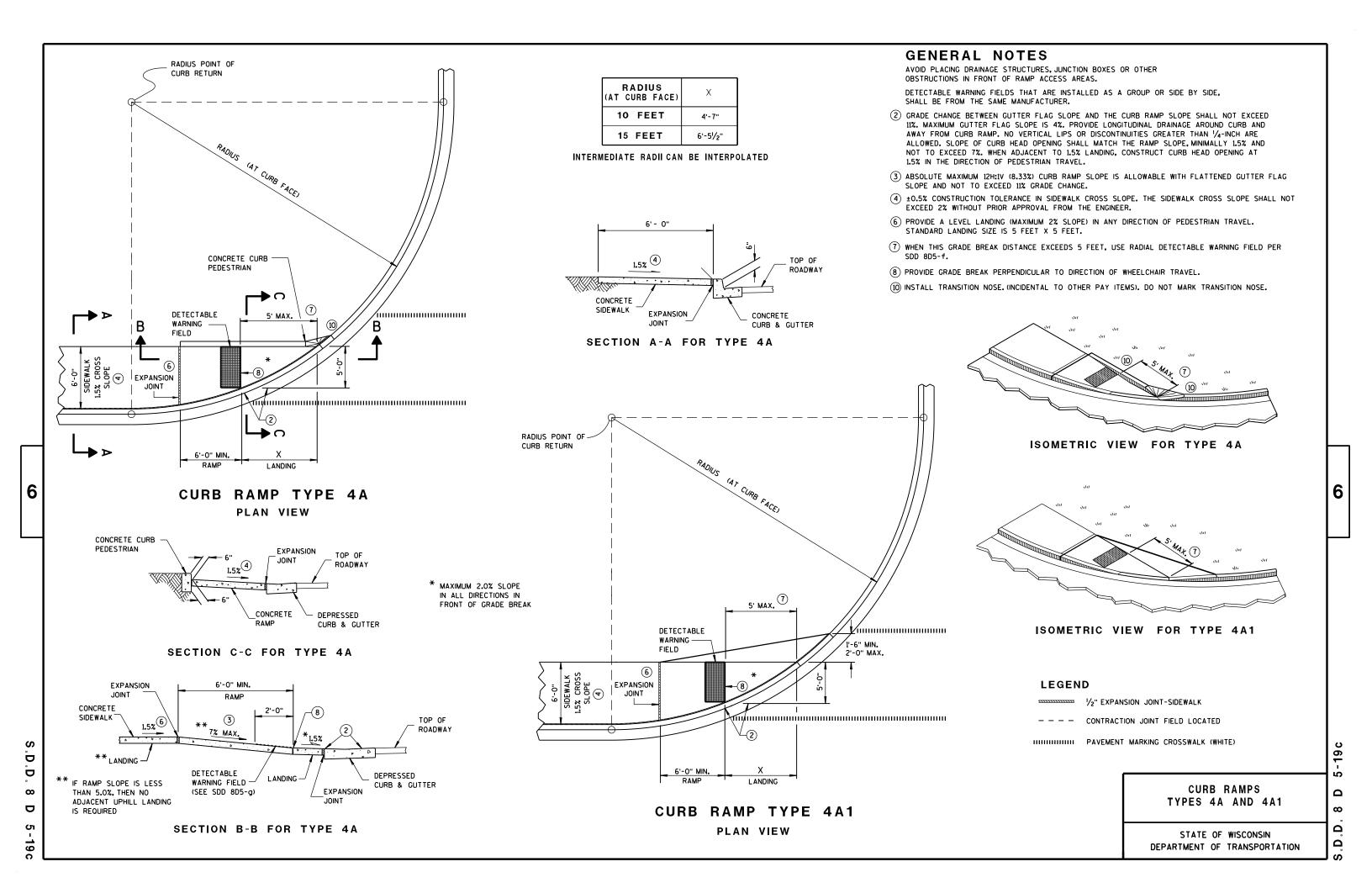
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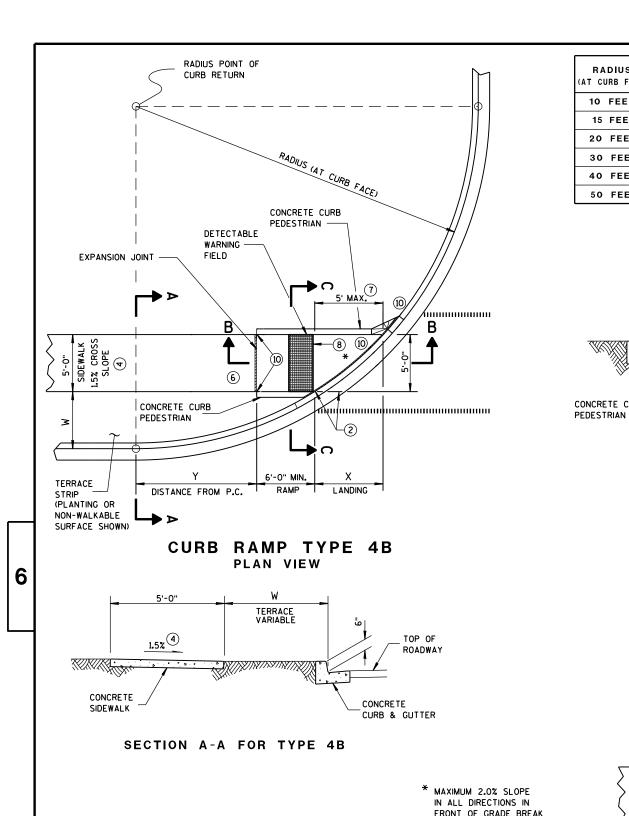
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6'-0" MIN.

RAME

7% MAX.3

DETECTABLE

(SEE SDD 8D5-g)

SECTION B-B FOR TYPE 4B

WARNING

FIELD

EXPANSION

** LANDING

JOINT

F IF RAMP SLOPE IS LESS

ADJACENT UPHILL LANDING

THAN 5.0%, THEN NO

IS REQUIRED

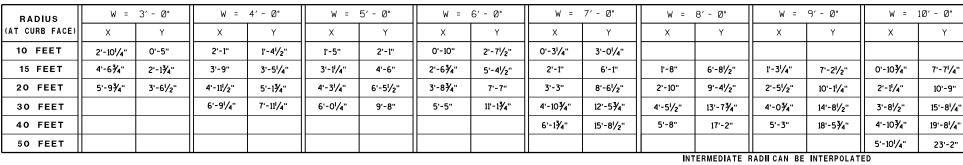
CONCRETE SIDEWALK

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GENERAL NOTES

5'-0" RAMP

VARIES

0 TO 6"

<u>1.5%</u>

SECTION C-C FOR TYPE 4B

CONCRETE CURB

TOP OF

DEPRESSED

CURB &

GUTTER

EXPANSION

ROADWAY

TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

ROADWAY

DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

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-19

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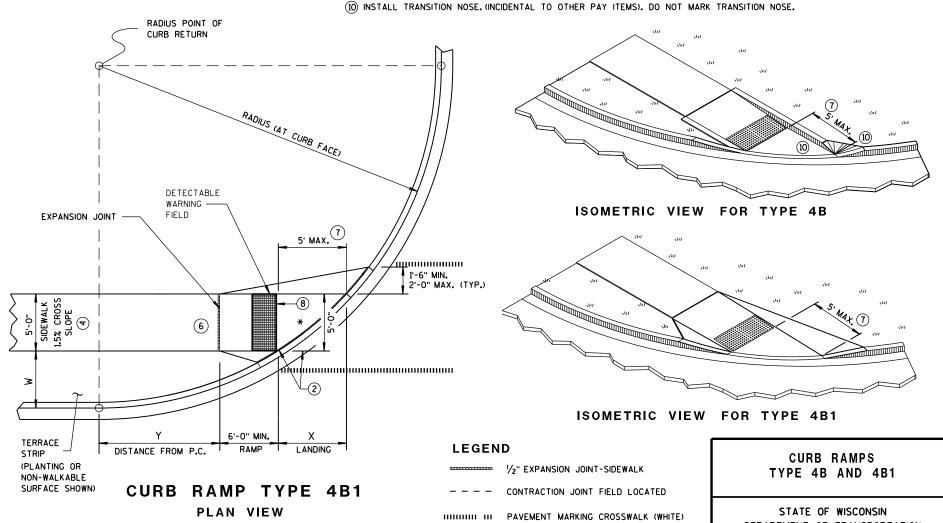
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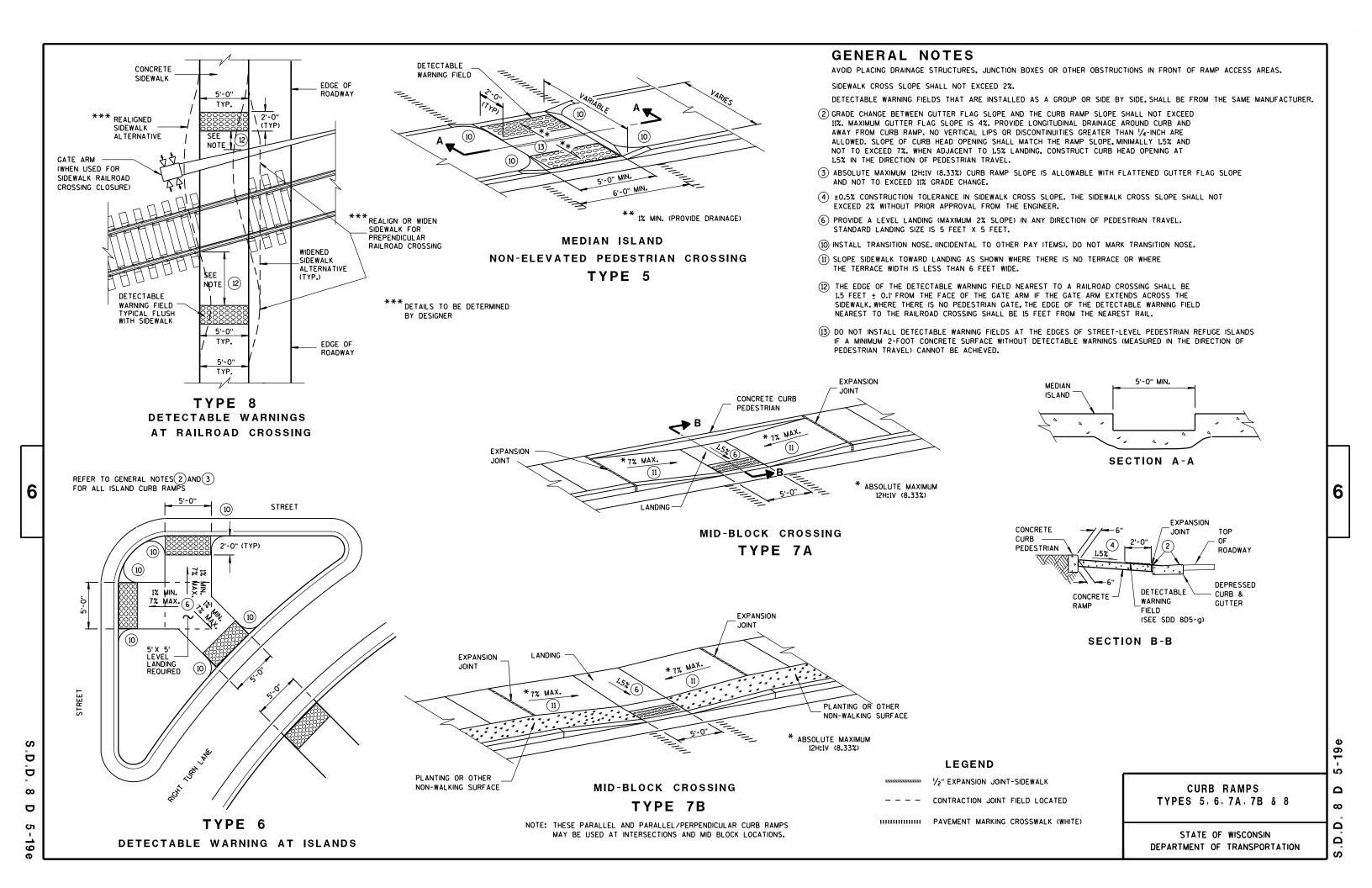
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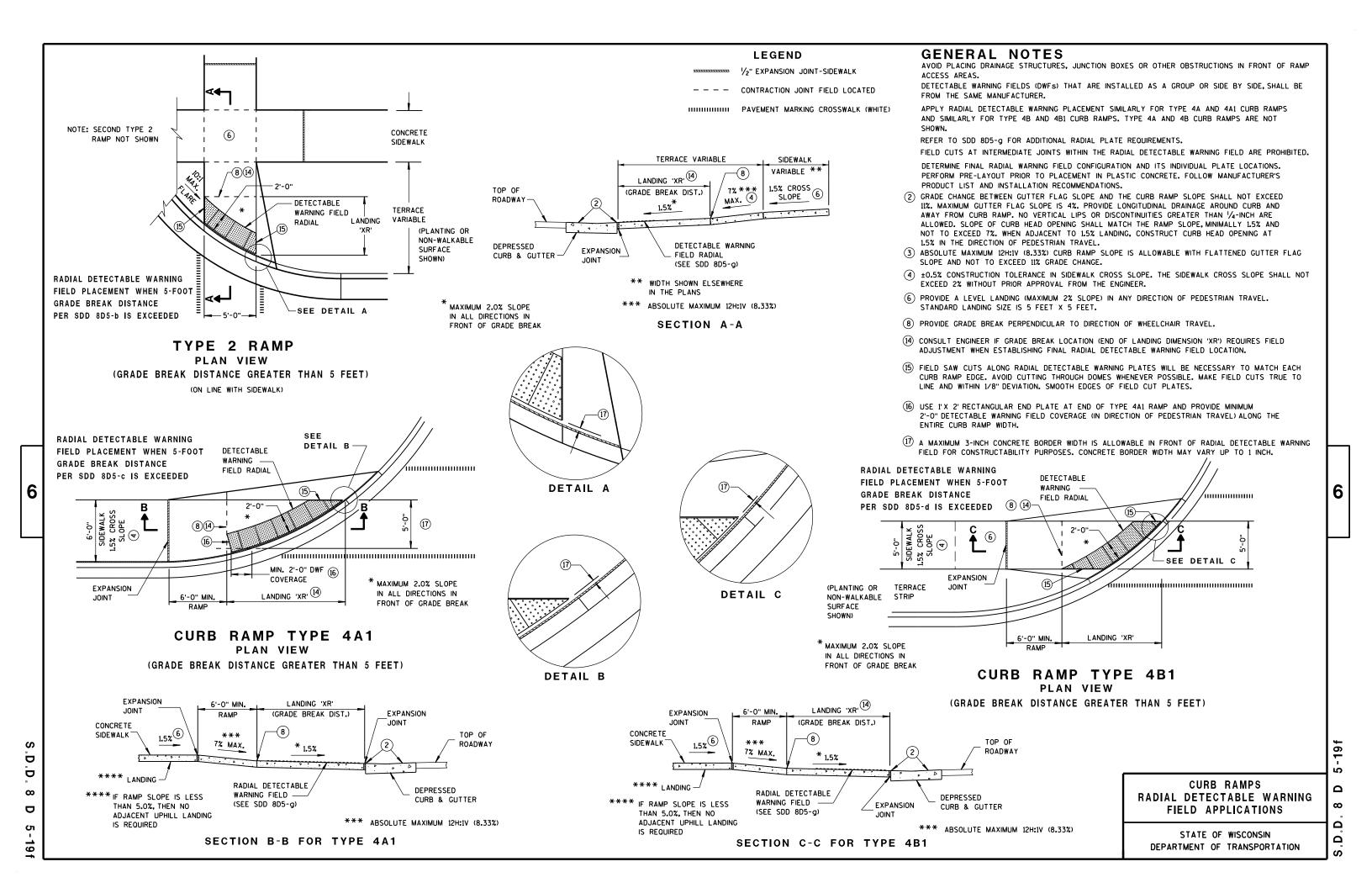
DEPARTMENT OF TRANSPORTATION

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

- (2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- (3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- (7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.







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A B	RAI Q	
A		B

PLAN VIEW

0 C	
ELEVATION	VIEW

THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

MIN.

1.6"

0.65"

В

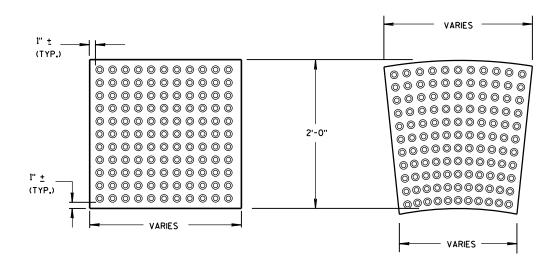
MAX

2.4"

1.5"

1.4"

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR **PLATES**

RADIAL **PLATES**

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

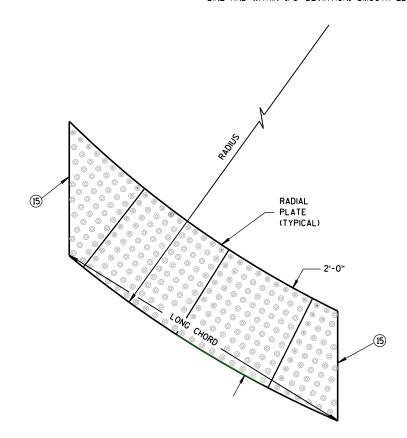
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



RADIAL DETECTABLE **WARNING FIELD ATTRIBUTES**

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

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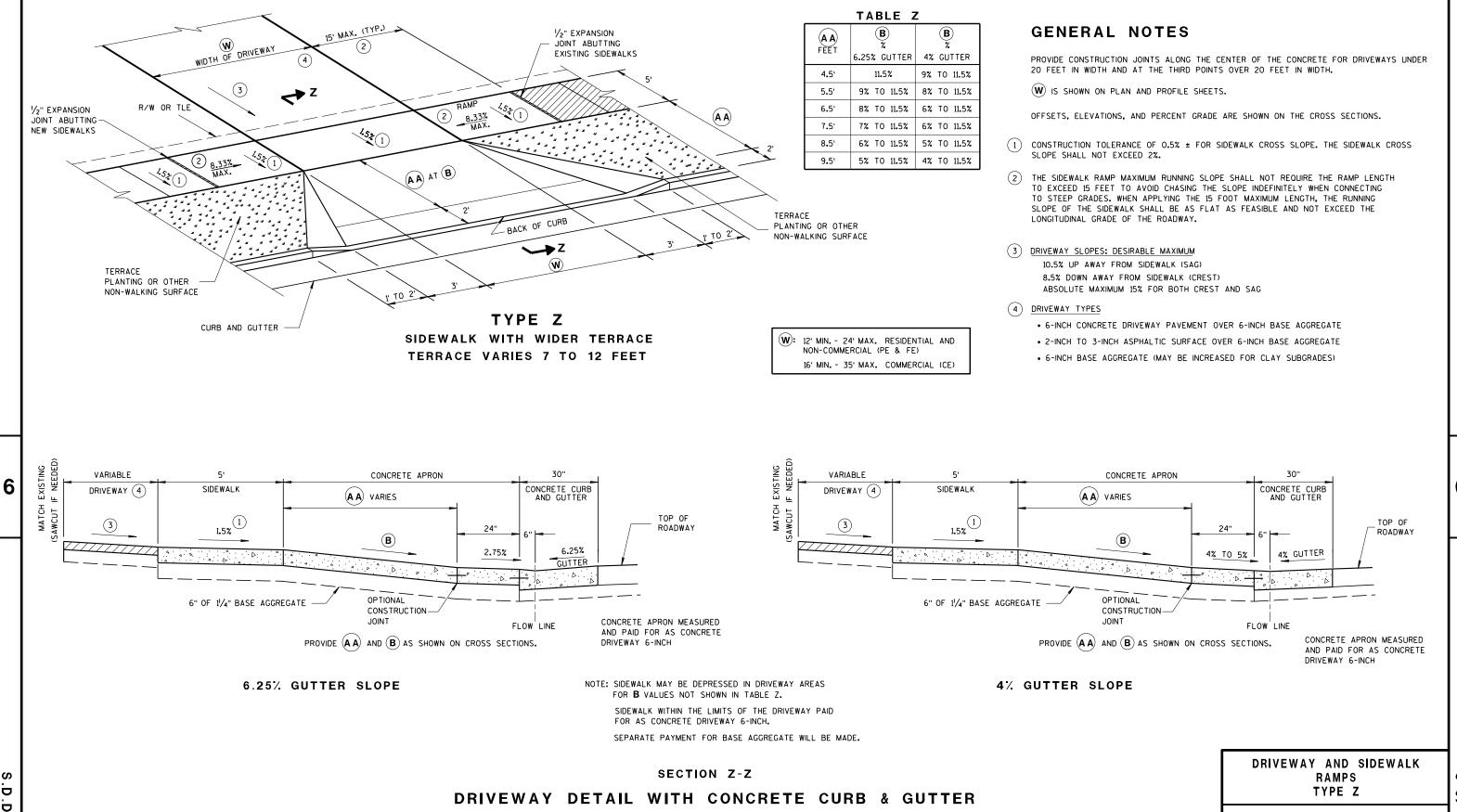
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APP	ROVED

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR



(URBAN AND SUBURBAN)

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S.D.D. 8 D 19-2

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor

ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

APPROVED

March 2018

DATE

FHWΔ

NOT TO SCALE

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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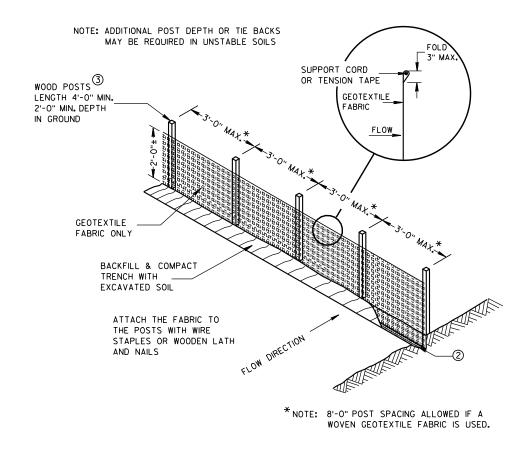
TYPICAL APPLICATION OF SILT FENCE

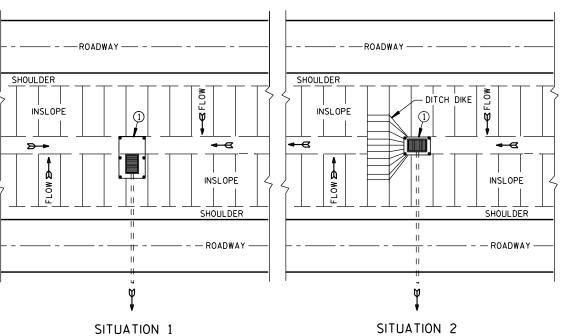
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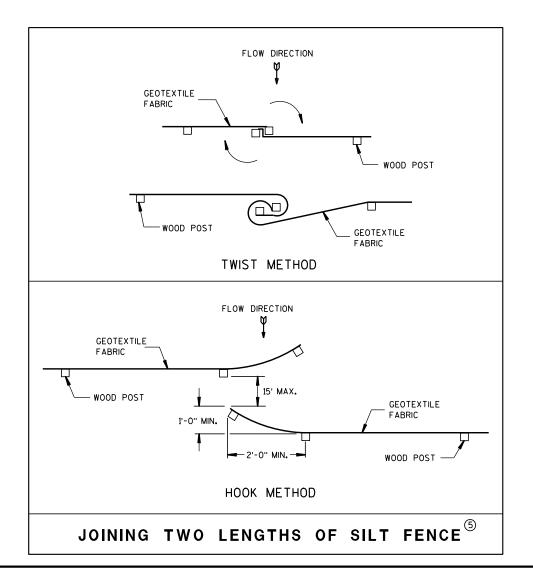
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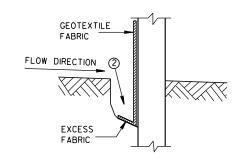
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



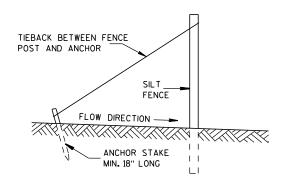
GENERAL NOTES

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

- \bigcirc 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.

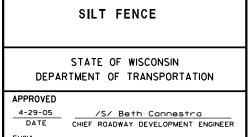


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

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INLET PROTECTION, TYPE A

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

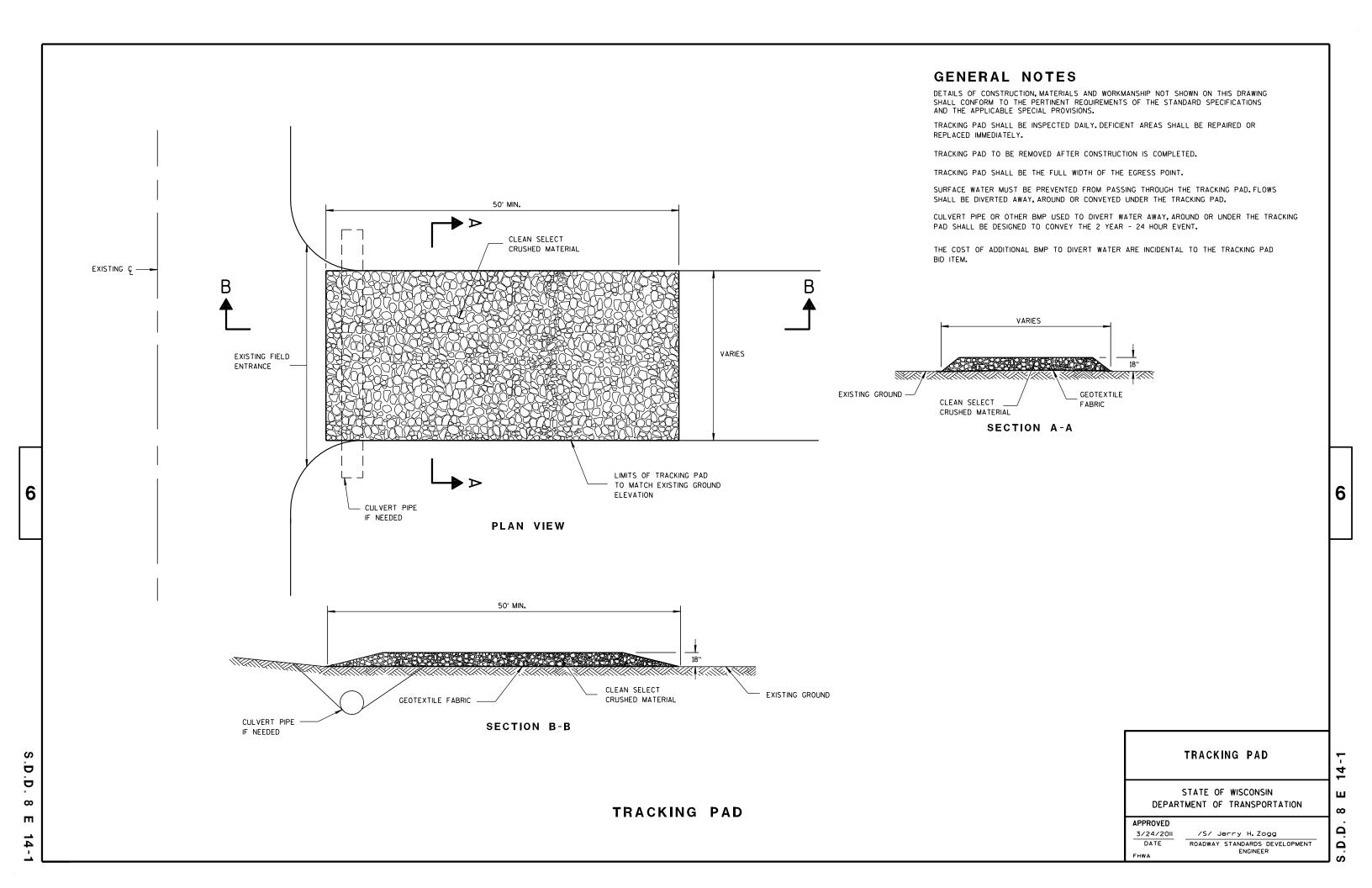
10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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	METAL APRON ENDWALLS										
PIPE	MIN. 1	THICK.			DIMEN:	SIONS (I	nches)			APPROX.	
DIA.	(Incl		A	В	Н	L	Γį	L ₂	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	①	0	(±2")	320.2	
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	2½to 1	1Pc.
18	.064	.060	8	10	6	31	15	281/4	36	21/2+o 1	1Pc.
21	.064	.060	9	12	6	36	18	295/8	42	21/2+o 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+o 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	21/2+0 1	1Pc.
36	.079	. 105	14	19	9	60	24	59¾	72	21/2+o 1	2 Pc.
42	.109	.105	16	22	11	69	24	75%	84	21/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 ¹ / ₄ +o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 ¹ / ₄ †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2+0 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	1/2+0 1	3 Pc.

	REINFORCED CONCRETE APRON ENDWALLS							
PIPE		DIMENSIONS (Inches)						
DIA.	T	A	В	С	D	Ε	G	APPROX. SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	21/2	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193/4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2		65	**************************************	8 ¹ / ₄ - 100	90	51/2	2% to 1
60	6	* ** 30-35	60	39	99	96	5	2 to 1
66	61/2	* ** 24-30	* * * 72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	1½+o 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

THREADED %6" DIA. ROD CONNECTOR AROUND CULVERT & THROUGH TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT TYPE 1 FOR 12" THRU 24" CORR. PIPE







NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL.

CORRUGATED PIPE. FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

DIMPLED BAND MAY BE USED WITH HELICALLY

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE

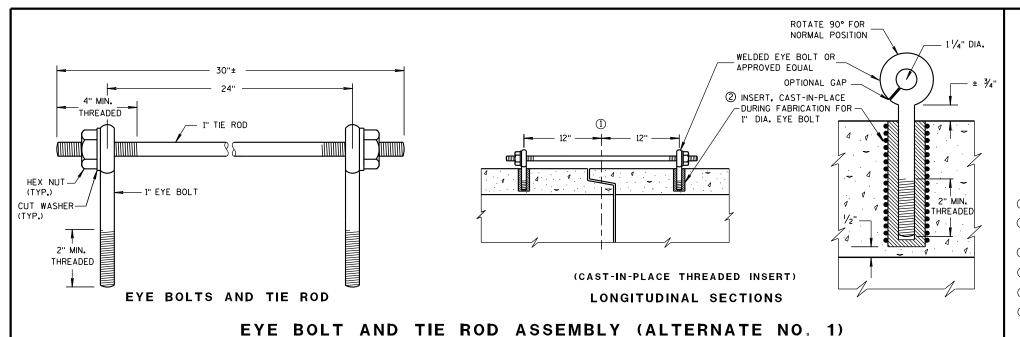
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER



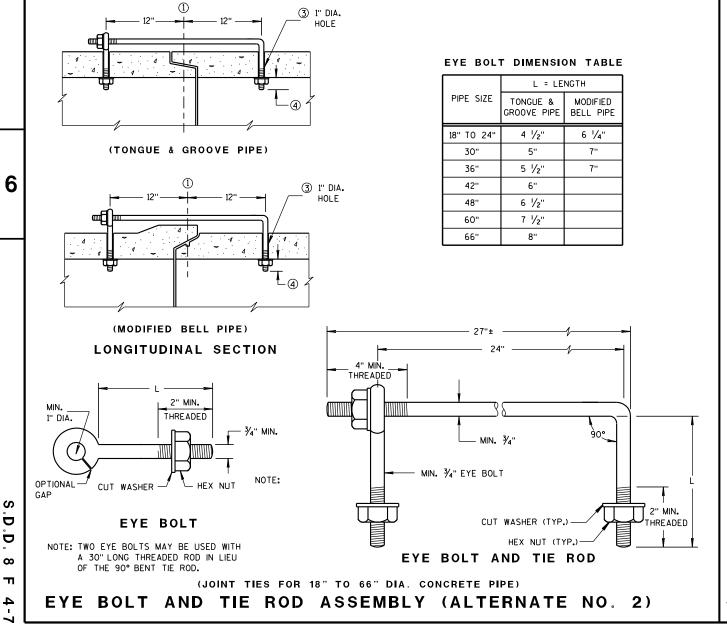
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

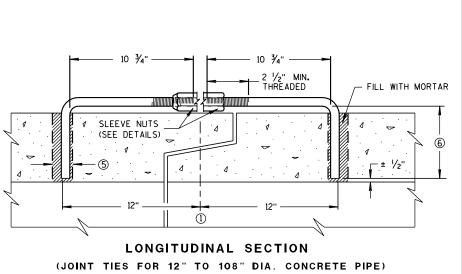
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

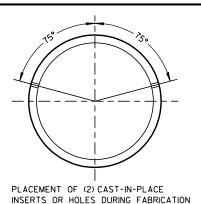
- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.



ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS** 2 1/2" MIN. THREADED

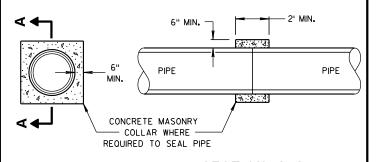


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

6/5/2012 /S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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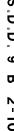
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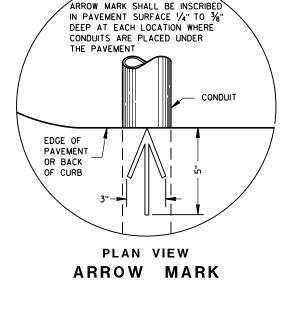


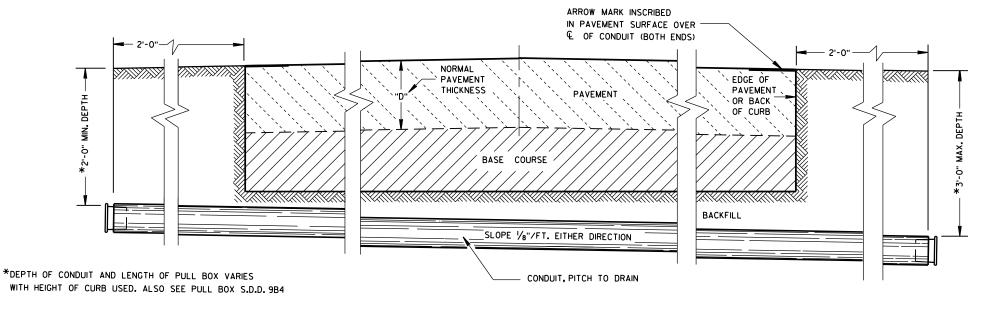












SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L.LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REIN-STALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
March, 2017	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL ENGINEER

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX		
BOX DIAMETER ** (INSIDE)	Α	24	24	
BOX OVERALL OUTSIDE DIAMETER	В	27	27	
BOX LENGTH	С	36	42	
FRAME OPENING	D	22 1/2	22 1/2	
WEIG	нΤ	N POUNDS *		
COVER		50	50	
BOX ONLY		75	85	

- * THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.
- ** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

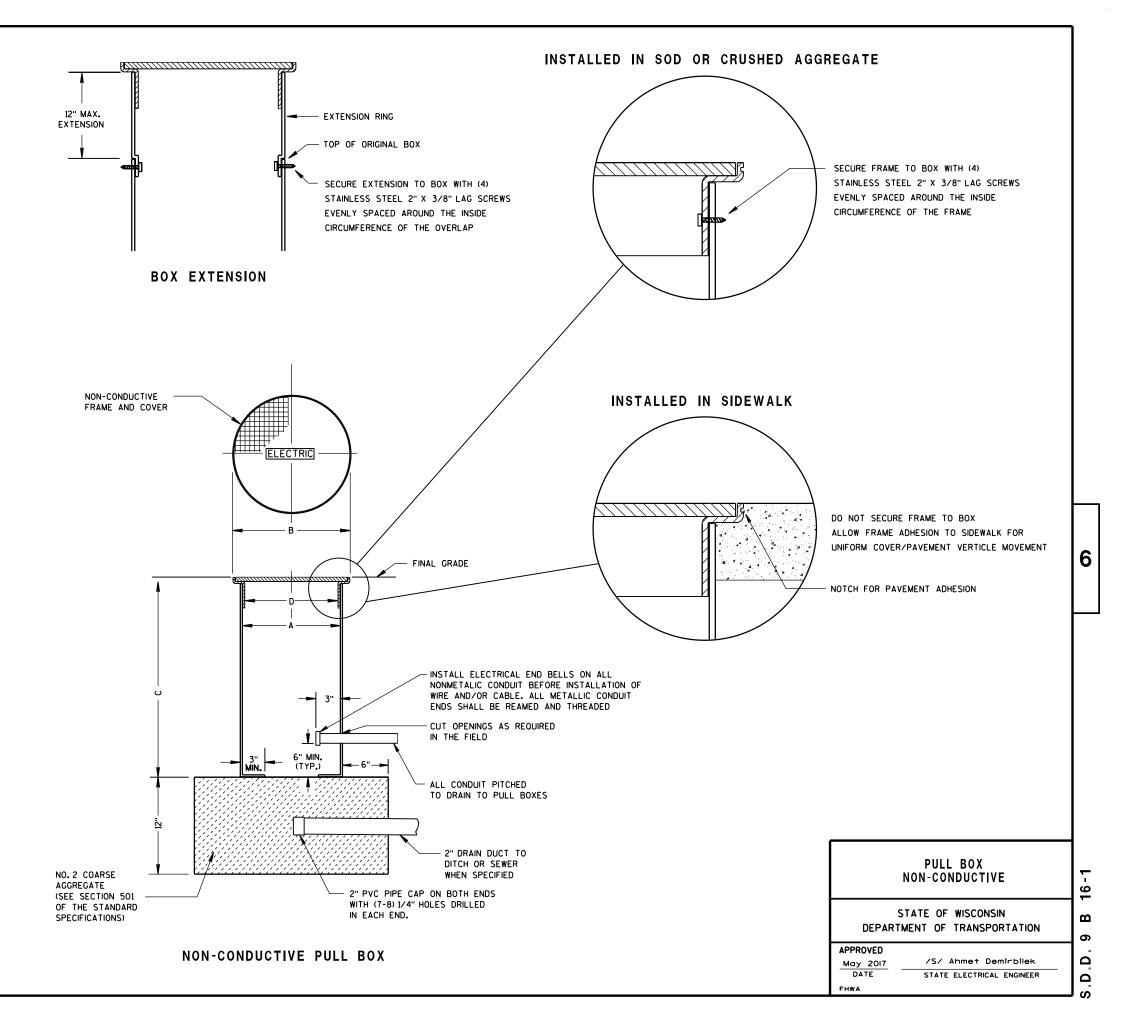
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

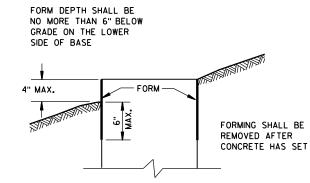
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.







QUANTITY	CONCRE	CONCRETE BASE TYPE			
REQUIREMENTS	1	2	5 & 6		
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40		
LBS. OF HOOP BAR STEEL	NONE	23	16		
LBS. OF VERTICAL BAR STEEL	NONE	60	18		

1" CONDUIT

PURPOSES

6" DIA.

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

FORM ALL EXPOSED

CONCRETE. PROVIDE

1" CHAMFER ALL AROUND

THE ROADWAY

FOR GROUNDING

CONDUIT WITHIN

FORMING DETAIL

1'-8"

a)

1.1

1.1

1.1

TYPE 1

CONDUIT WITHIN

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE. PROVIDE

TOPSOIL AND

SEED OR CRUSHED

AGGREGATE

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

TO EQUIPMENT

%" DIA. X 8'-0"

COPPERCLAD EQUIPMENT

GROUNDING

ELECTRODE

D

ဖ

C

1" CHAMFER ALL AROUND

HALF SECTION

IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

-CONDUIT

123/4" BOLT

CIRCLE

HALF SECTION

(TYPICAL FOR TYPES 1, 2, 5, & 6)

IN PAVEMENT

PAVEMENT 9

¾" PREFORMED

FILLER AS APPROVED BY THE ENGINEER

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

TO EQUIPMENT

5/8" DIA. X 8'-0" COPPERCLAD EQUIPMENT

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL FOR TYPES 1, 2, 5, & 6)

REQUIRED

GROUNDING ELECTRODE

GENERAL NOTES

1" CONDUIT

PURPOSES

-CONDUIT

111/2" BOLT

ίουτ το ουτ

CIRCLE

FOR GROUNDING

CONDUIT

CONDUIT WITHIN

6" DIA.

ANCHOR RODS SHALL

BE ORIENTED

PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE, PROVIDE

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

%" DIA. X 8'-0" COPPERCIAD FOUIPMENT GROUNDING ELECTRODE

REQUIRED

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5, & 6)

TO EQUIPMENT

1" CHAMFER ALL AROUND

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED, CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

- Colo

-CONDUIT

3" X

-3" CLEAR

6" STUB

OPTIONAL 4" I BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5, & 6)

111/2" BOL T

COUT TO OUT

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1FOOT OR LESS.

A NO. 4 AWG. STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A LINCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD, ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED. THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

- 1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
- (2) (4) 1" DIA. X 3'-6" ANCHOR RODS.
- (3) (4) 1" DIA. X 5'-0" ANCHOR RODS.
- (4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.
- (5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.
- (6) (4) 1" DIA. X 3'-6" ANCHOR RODS.
- (7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.
- (8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

CONCRETE BASES

TYPE 2

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 31/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 41/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

TYPE 5 & 6

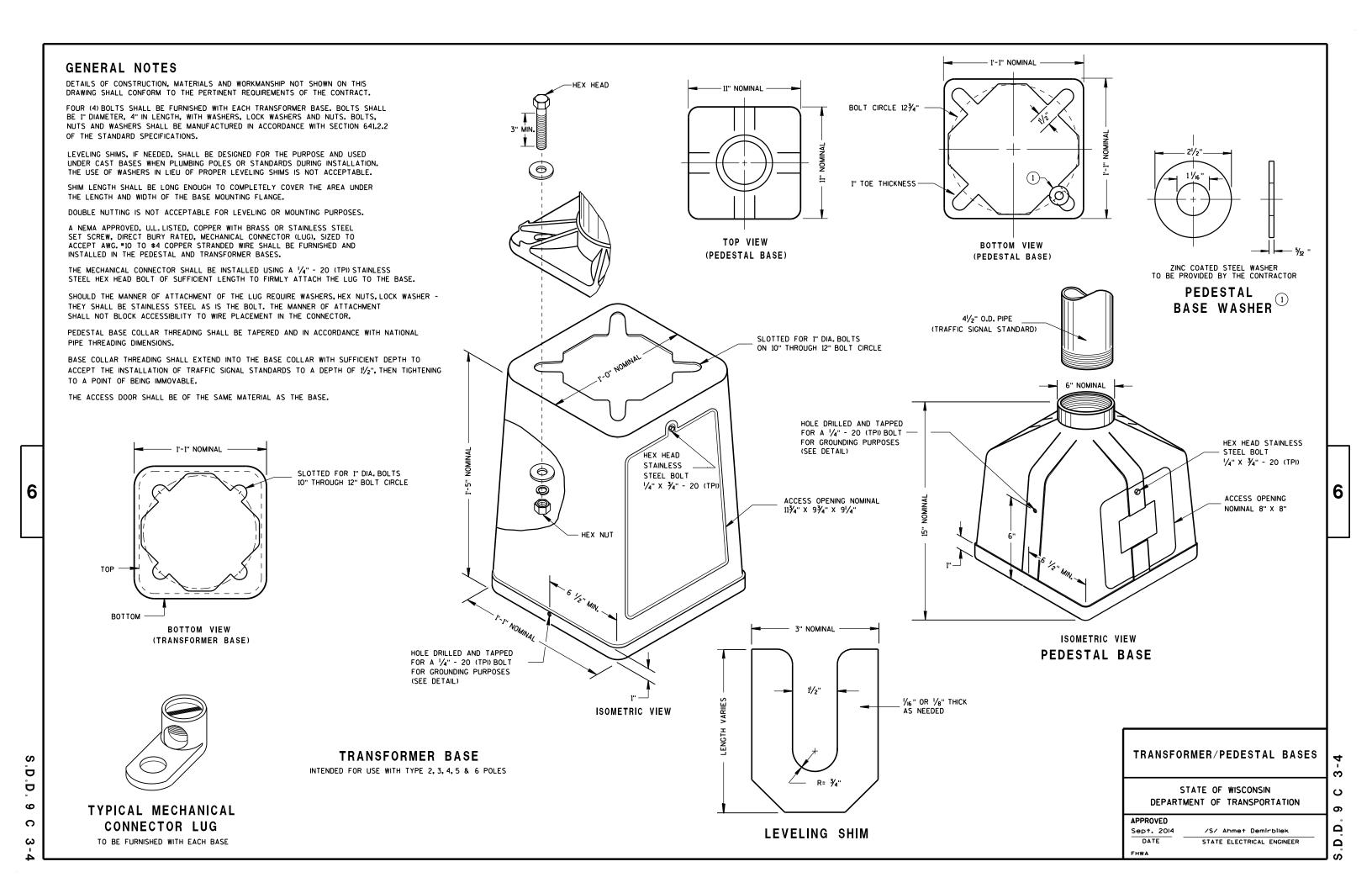
CONCRETE BASES, TYPES 1, 2, 5, & 6

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 /S/ Ahmet Demirbile DATE STATE ELECTRICAL ENGINEER

S 6 Δ Δ



BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL. THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE 1" X 60".

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

- 1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.
- (2) (4) 1" DIA. X 5'-0" ANCHOR RODS.
- (3) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.
- (4) (7) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

I" CONDUIT
FOR GROUNDING
PURPOSES

CONDUIT

CONDUIT

CONDUIT

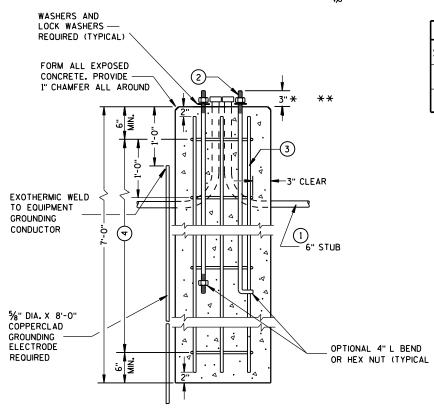
CONDUIT

CONDUIT

TO OUT

ANCHOR RODS SHALL BE
ORIENTED PARALLEL TO
THE ROADWAY

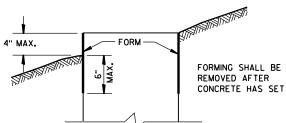
THE ROADWAY



CONCRETE BASE, TYPE 7
(FOR 40' LIGHT POLES)

- * ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- ** FOR NONBREAKAWY INSTALLATIONS, 41/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS, RODENT SCREEN REQUIRED.

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



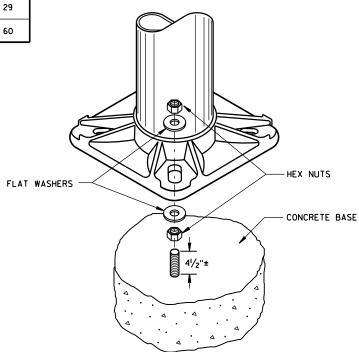
FORMING DETAIL

APPROX. CUBIC VARDS OF CONCRETE 0.8

LBS. OF HOOP 29

LBS. OF VERTICAL 60

BAR STEEL 60



NON-BREAKAWAY INSTALLATION
(LEVELING NUT)

CONCRETE BASE, TYPE 7

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014

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DATE STATE ELECTRICAL ENGINEER

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

BREAKAWAY BASES (WHERE REQUIRED) WILL BE MEASURED AND PAID AS SEPARATE ITEMS OF WORK IN ADDITION TO THE LIGHT POLE.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIMS SHALL BE SIZED TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

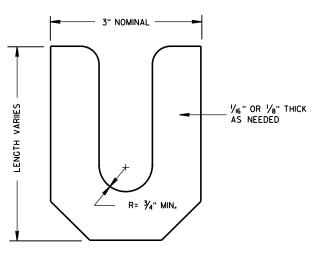
A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. *10 TO \$4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE TRANSFORMER BASE.

THE MECHANICAL CONNECTOR (GROUNDING LUG) SHALL BE INSTALLED USING THE TAPPED HOLE PROVIDED BY THE MANUFACTURER, THE MOUNTING BOLT HEXHEAD), NUT, WASHER AND LOCK WASHER SHALL BE STAINLESS STEEL, SIZED TO FIT THE THREADING AND HOLE SIZE, AND BE OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

SHOULD A GROUNDING LUG MOUNTING HOLE NOT BE PROVIDED, THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" X 3/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE. IT SHALL BE MOUNTED IN THE SAME LOCATION AS IS SHOWN ON THE DRAWING.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, AND LOCK WASHERS, THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

THE ACCESS DOOR SHALL BE MANUFACTURED OF THE SAME MATERIAL AS THE BASE.



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE FOR 15" BOLT CIRCLE

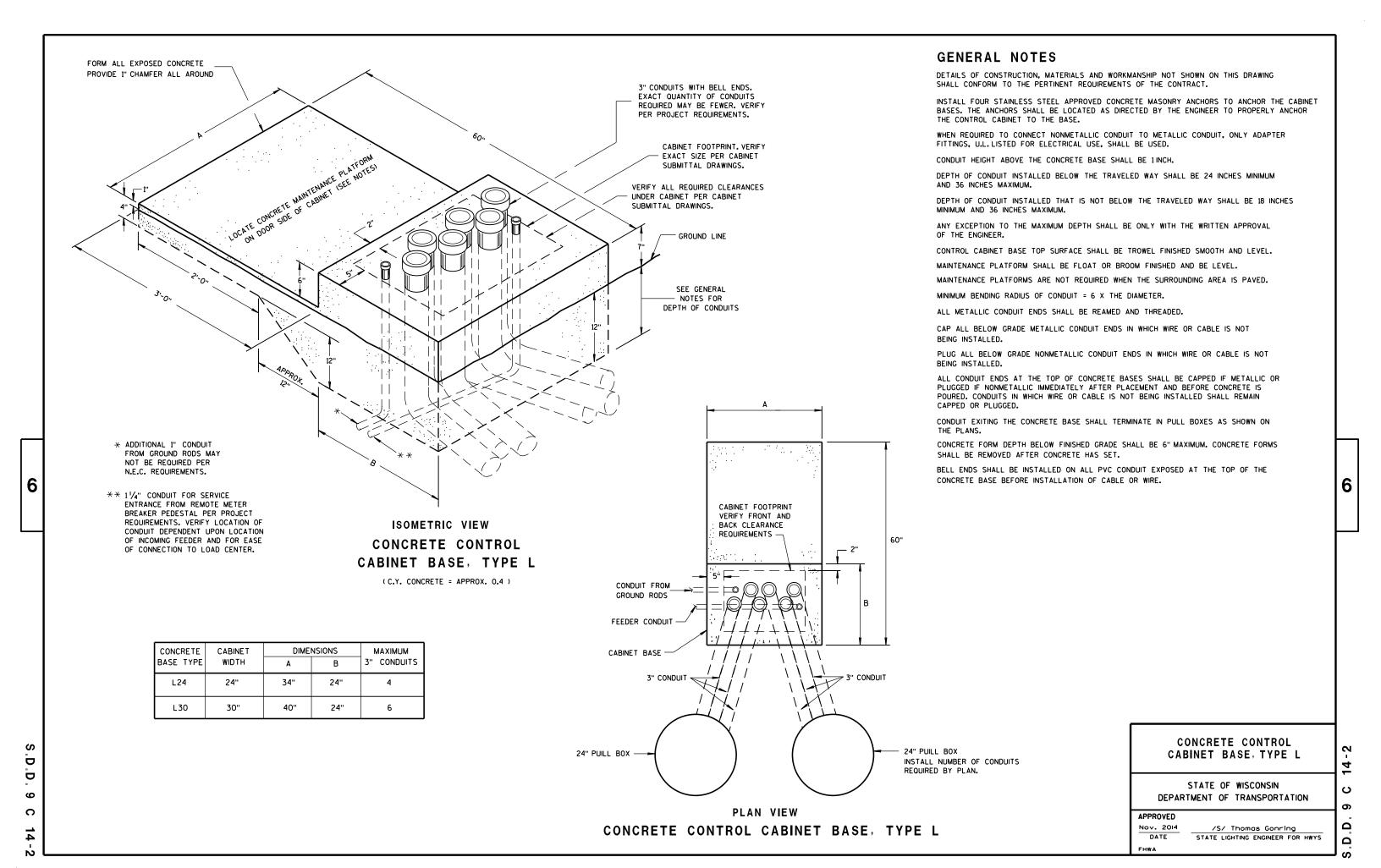
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED			
Sept. 2014	/\$/	Ahmet	Demirb

STATE ELECTRICAL ENGINEER DATE

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

ALL LUMINAIRE POLE MOUNTINGS SHALL BE DESIGNED FOR TWIN 15' ARMS WITH LUMINAIRES

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT

TYPE 17 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 17 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SHOE BASE SHALL BE SLOTTED TO ACCEPT A 15" BOLT CIRCLE (14" X 16" SLOT) USING 1" ANCHOR RODS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 23/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

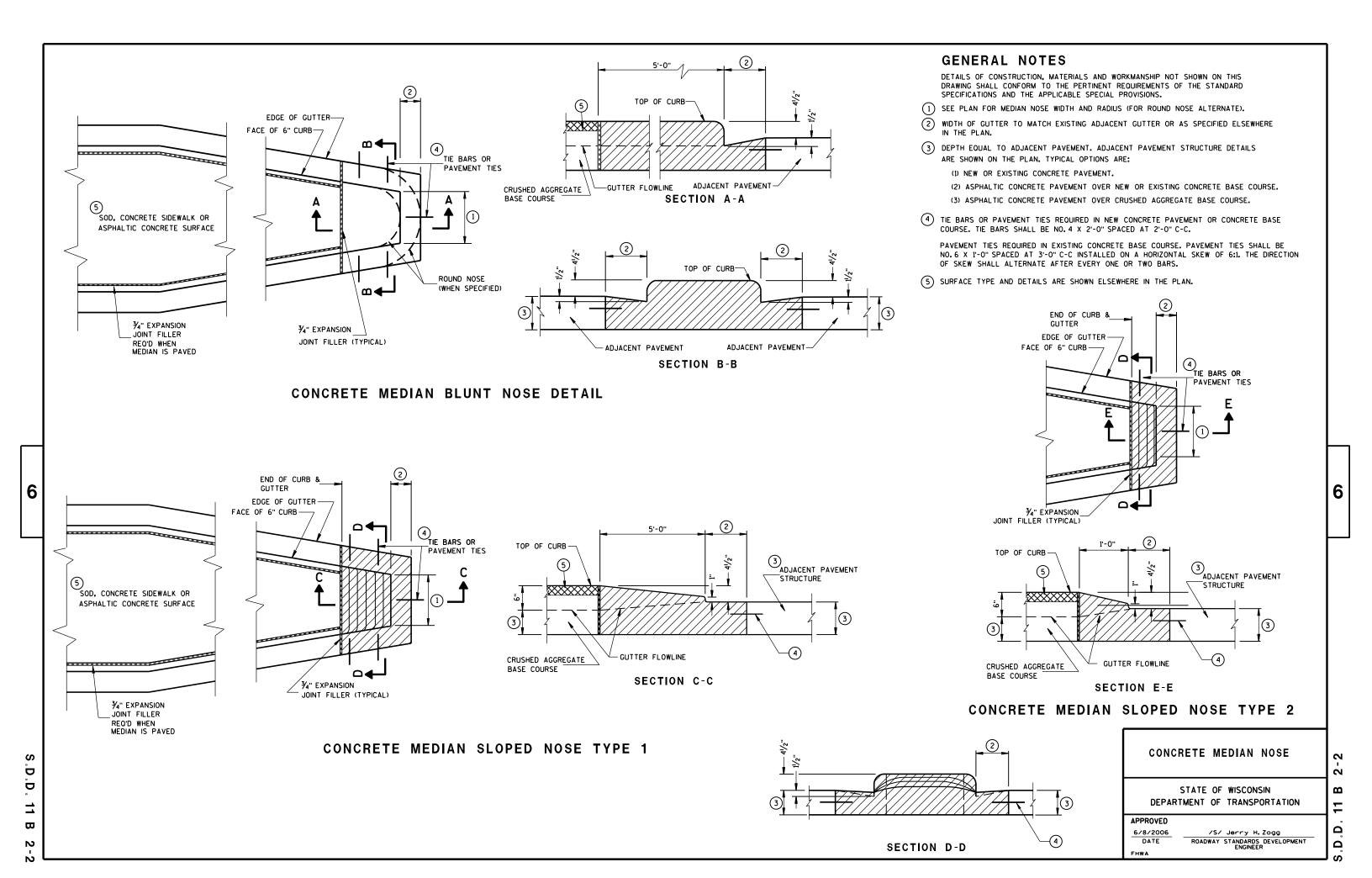
- 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) 1/4" X 3/4" 20
 TPI HEX HEAD STAINLESS STEEL BOLTS.
- GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR A 1%" HOLE IN THE POLE SHAFT FOR WIRING.
- 3 CAST ALUMINUM FHWA APPROVED TRANSFORMER BASE WHEN REQUIRED, SHALL HAVE AN ULTIMATE STATIC LOAD STRENGTH OF AT LEAST 40,000 FT. LBS.
- 4 FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" x 3/4" 20 TPI STAINLESS STEEL, HEX HEAD BOLT.
- 5 SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.
- (6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

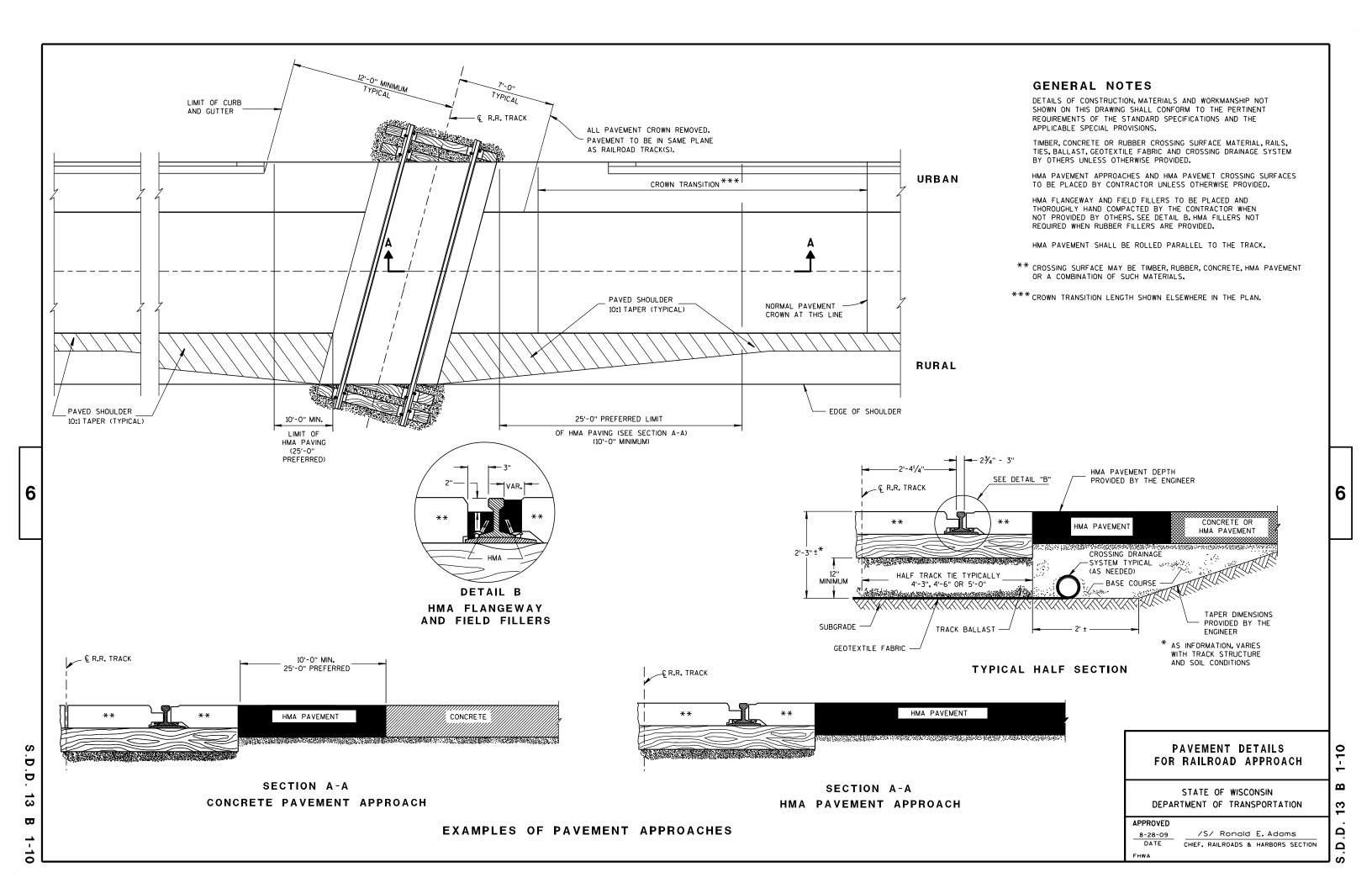
POLE MOUNTINGS FOR LIGHTING UNIT, TYPE 17 (40 FEET)

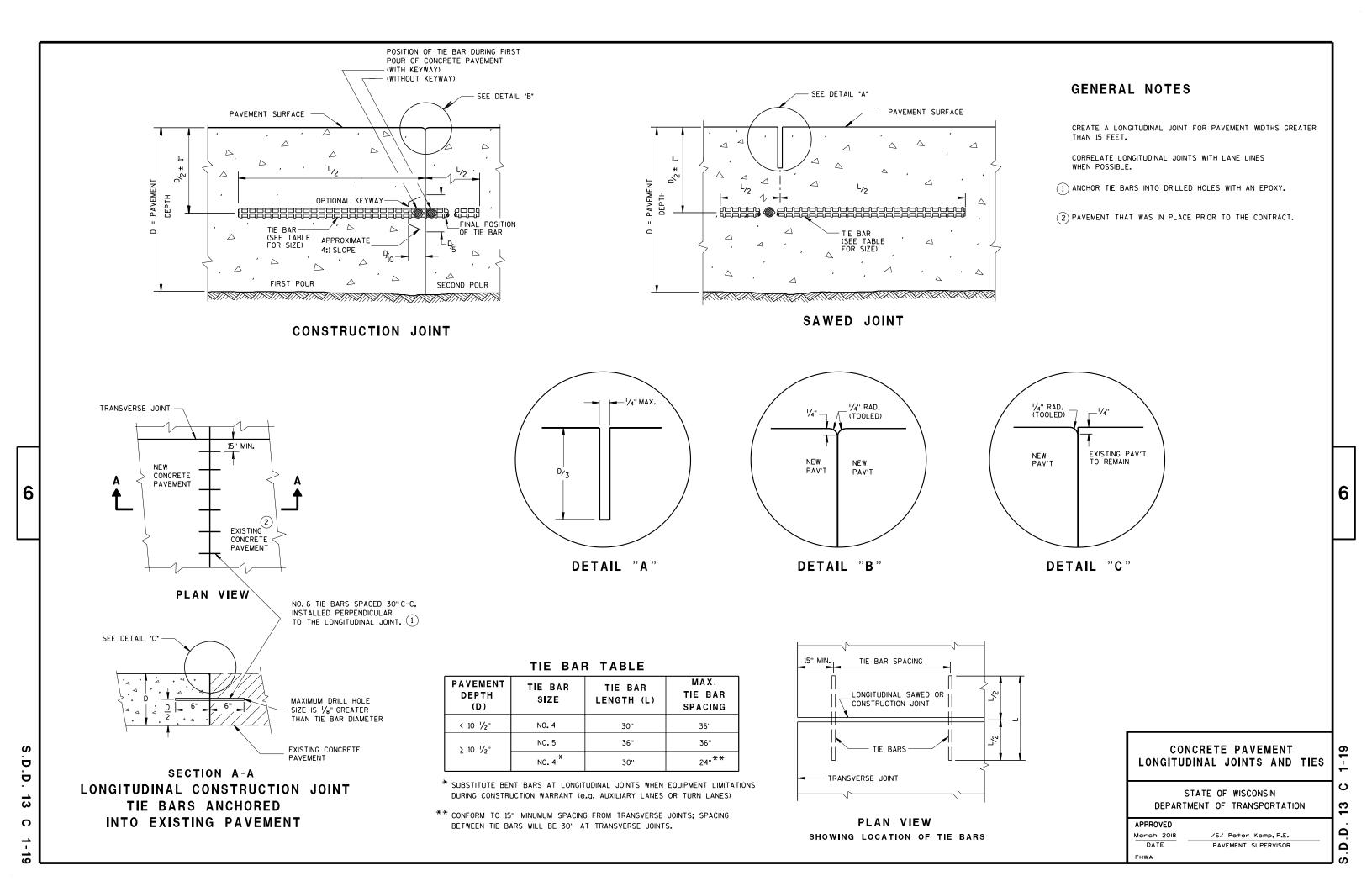
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

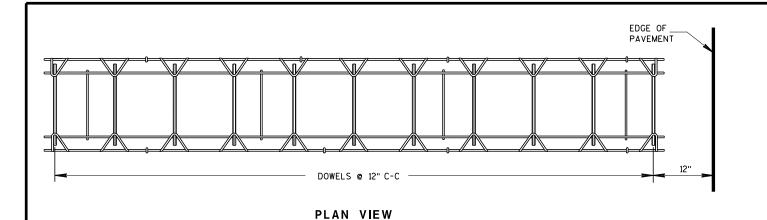
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PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6",6 ½"	NONE	12'
7",7 1/2"	1"	14'
8",8 1/2"	1 1/4"	15'
9",9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

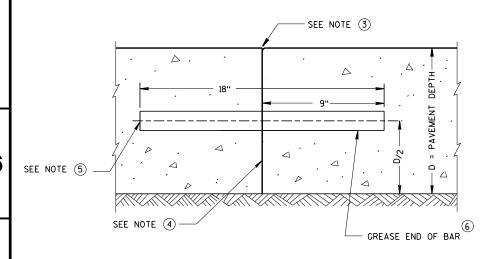
CONSTRUCTION JOINTS

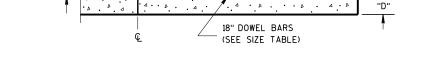
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

- (1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.
- ② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT LIPON FIELD CONDITIONS
- (3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.
- 4 PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- (5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING.
 INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT
 EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF
 DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL
 BARS ACCORDING TO DRILLED DOWEL BAR CONSTRUCTION JOINT DETAIL.
- (6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- (7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY





DRILLED DOWEL BAR CONSTRUCTION JOINT $^{\scriptsize \bigcirc}$

1'-3",1'-3" | 1'-3", 1'-3", 1'-3", 1'-3", 2'-0", 1'-3", 1'-3", 1'-3"

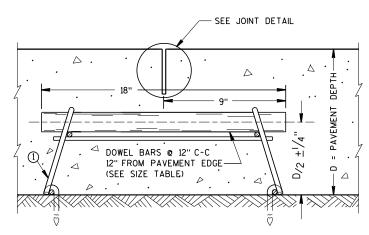
(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O")

PAVEMENT

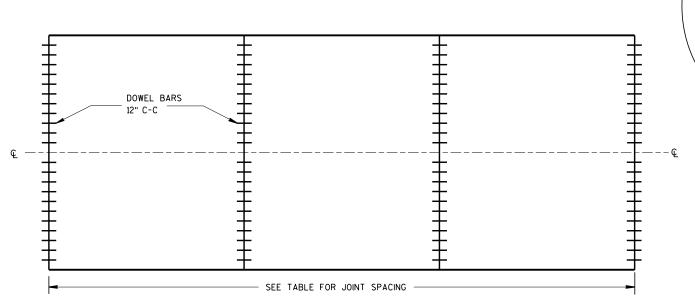
DEPTH

LANE WIDTH

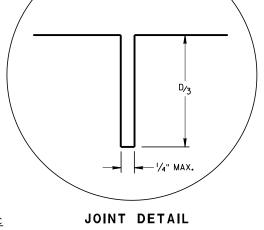
TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

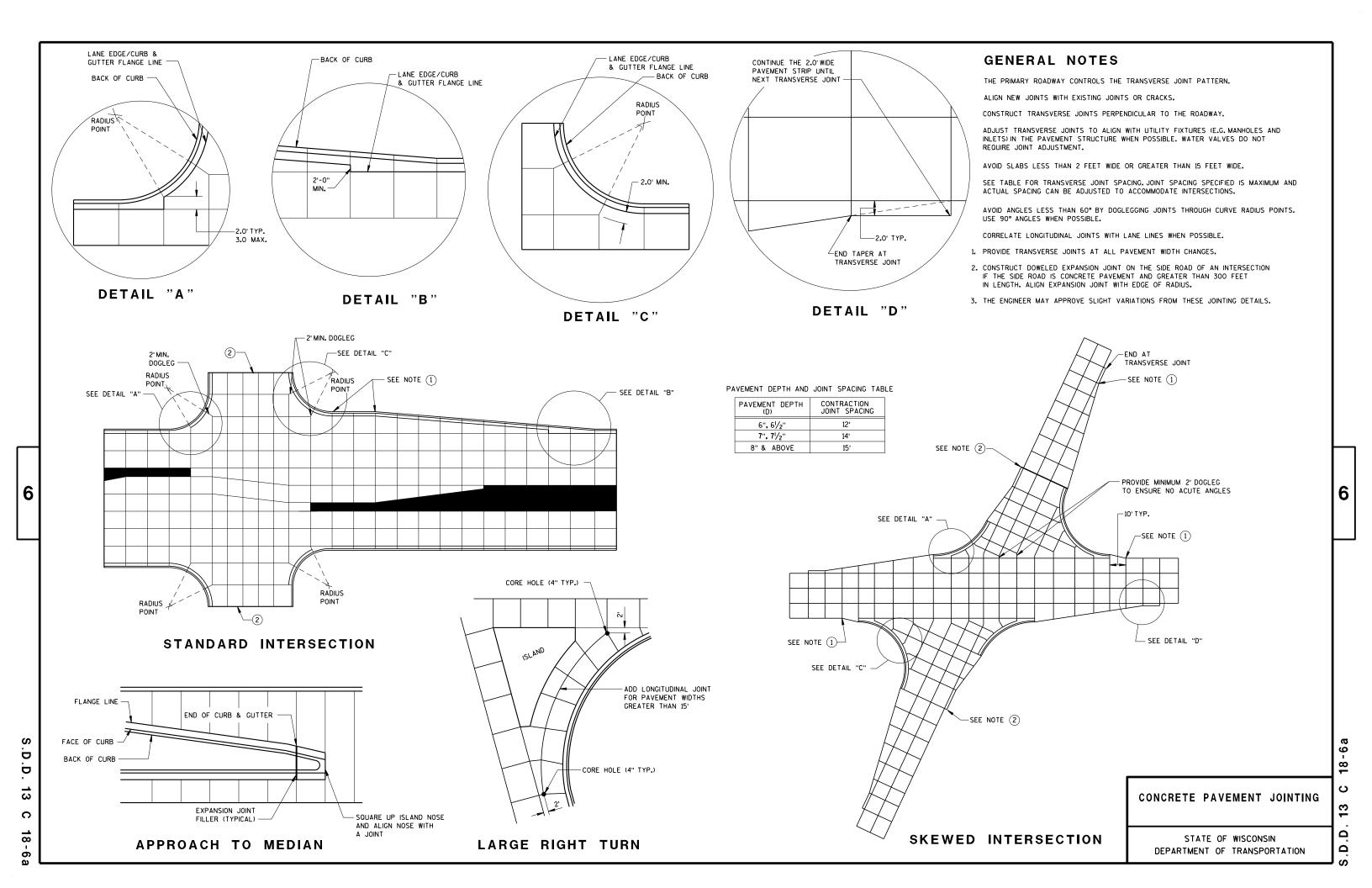
March 2018

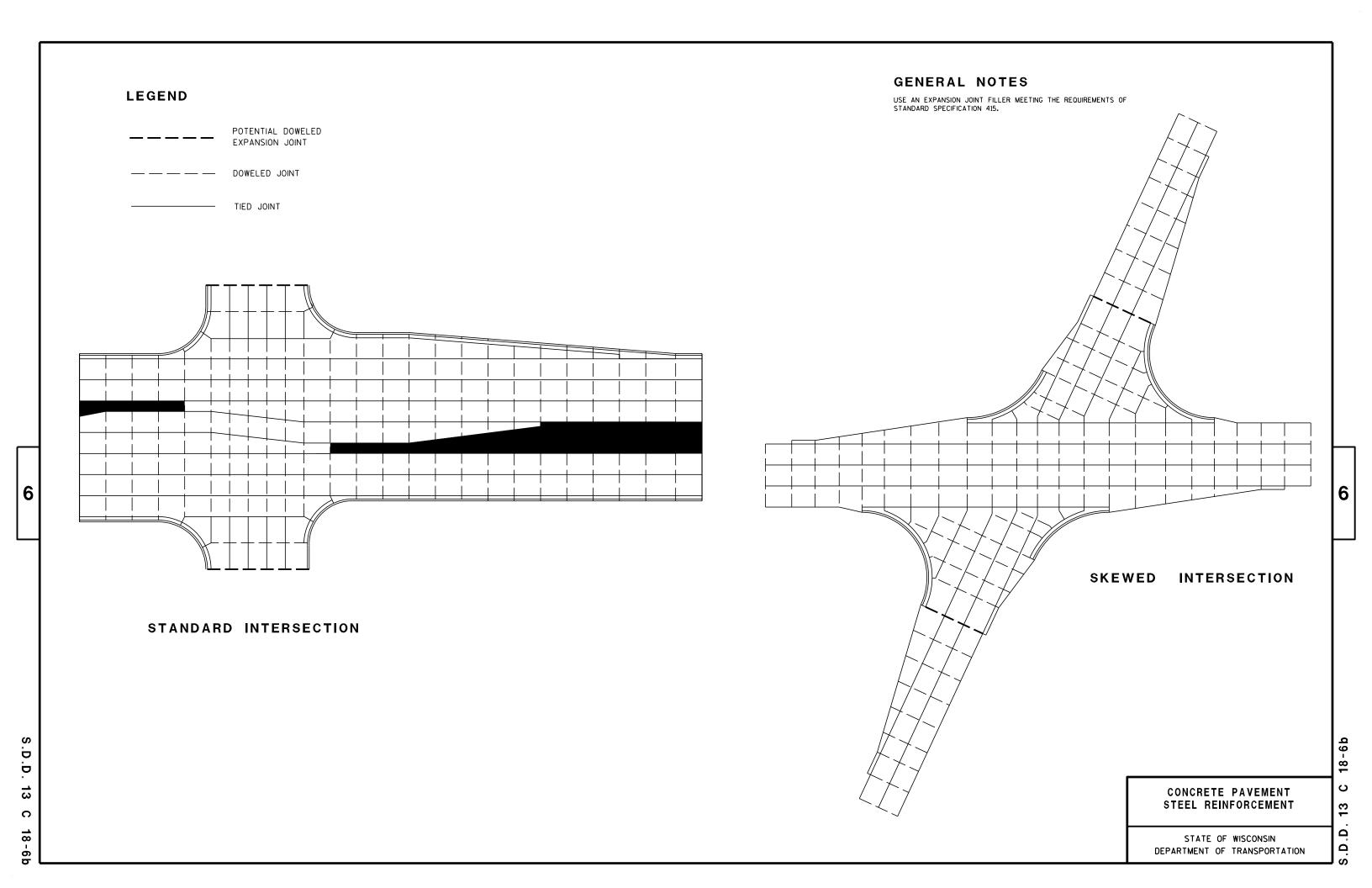
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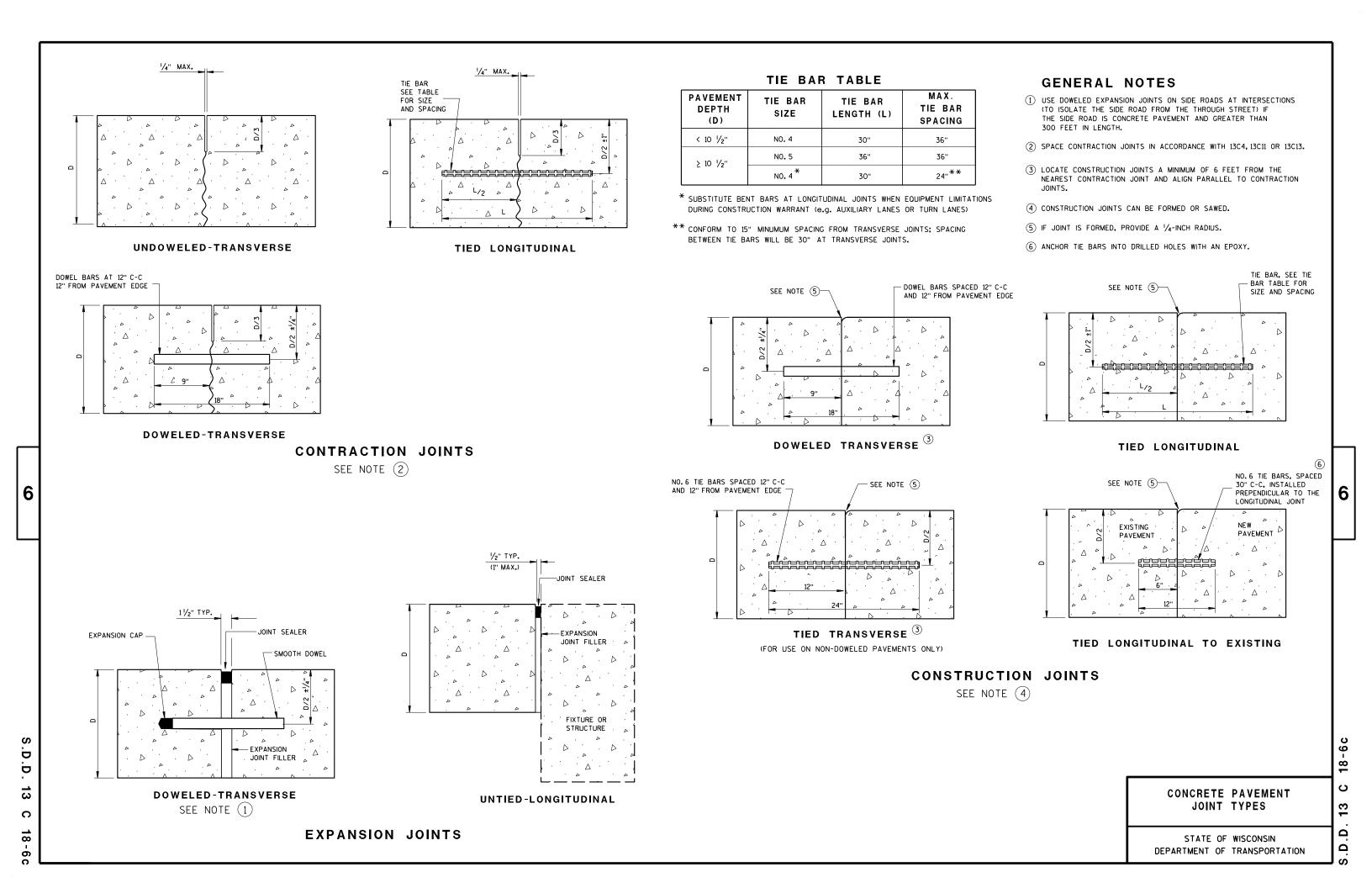
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/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

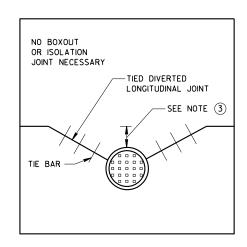
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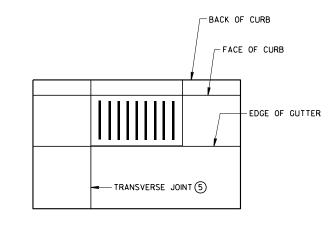




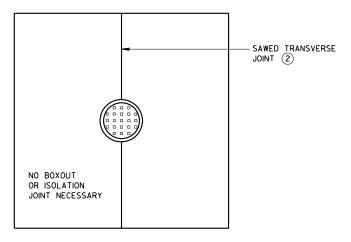
MANHOLE WITH LONGITUDINAL JOINT



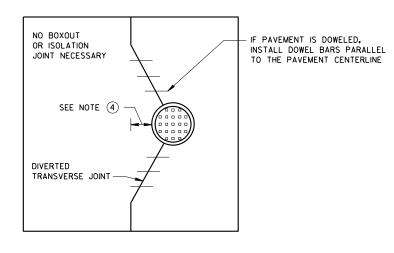
MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



INLET WITH TRANSVERSE JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

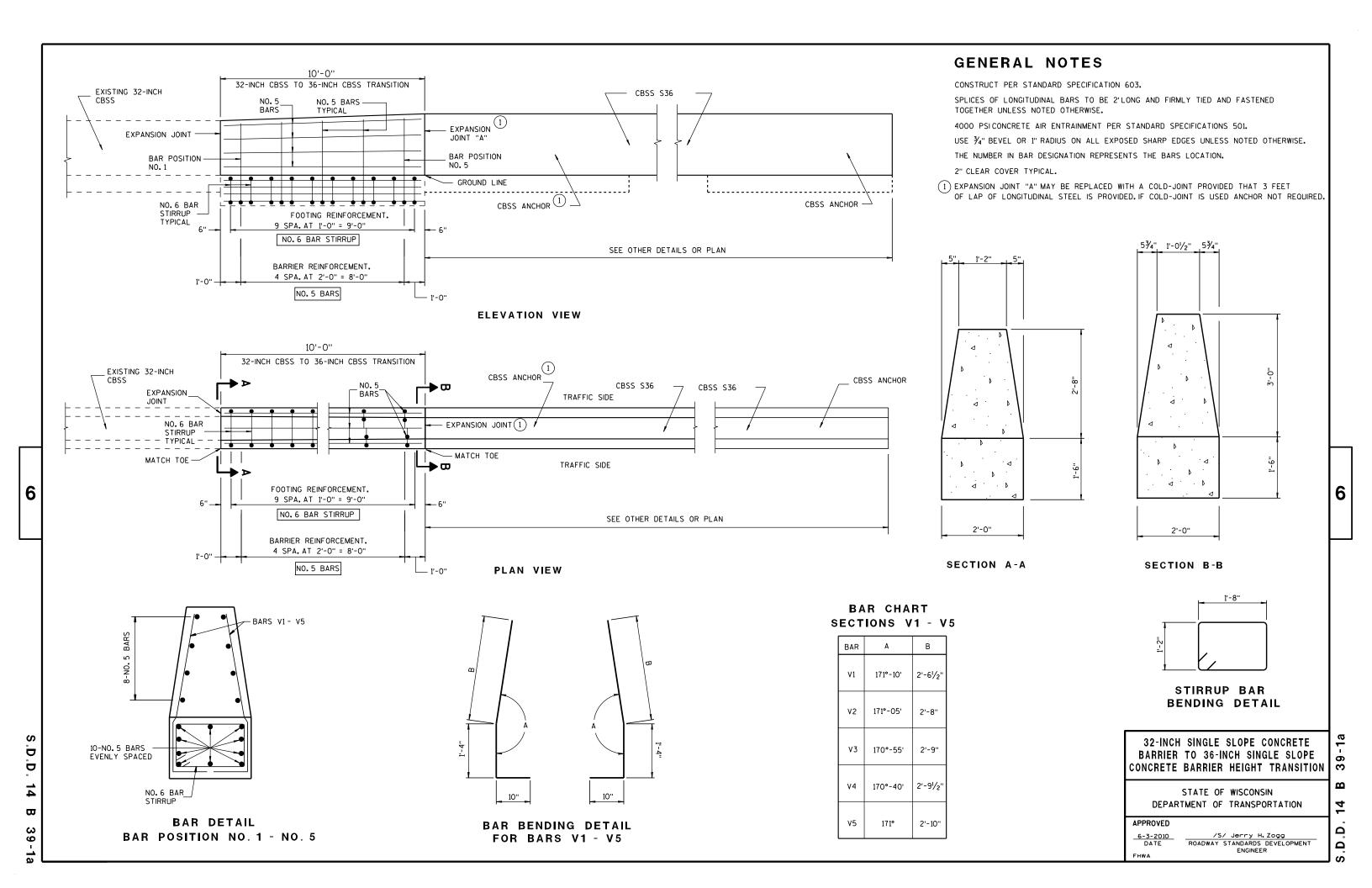
- $\ensuremath{\textcircled{1}}$ USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
- (2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- (3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- 4 IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

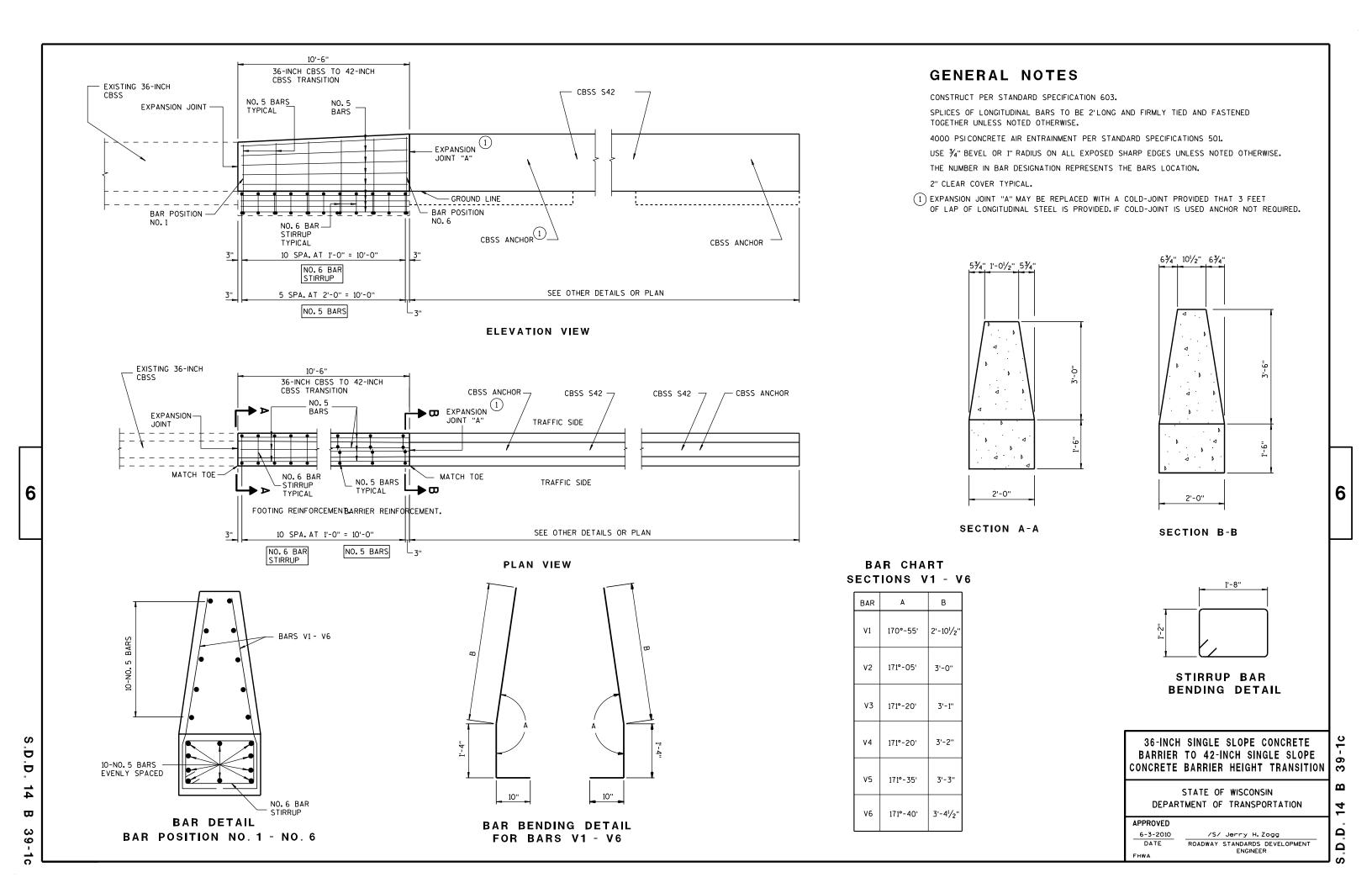
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

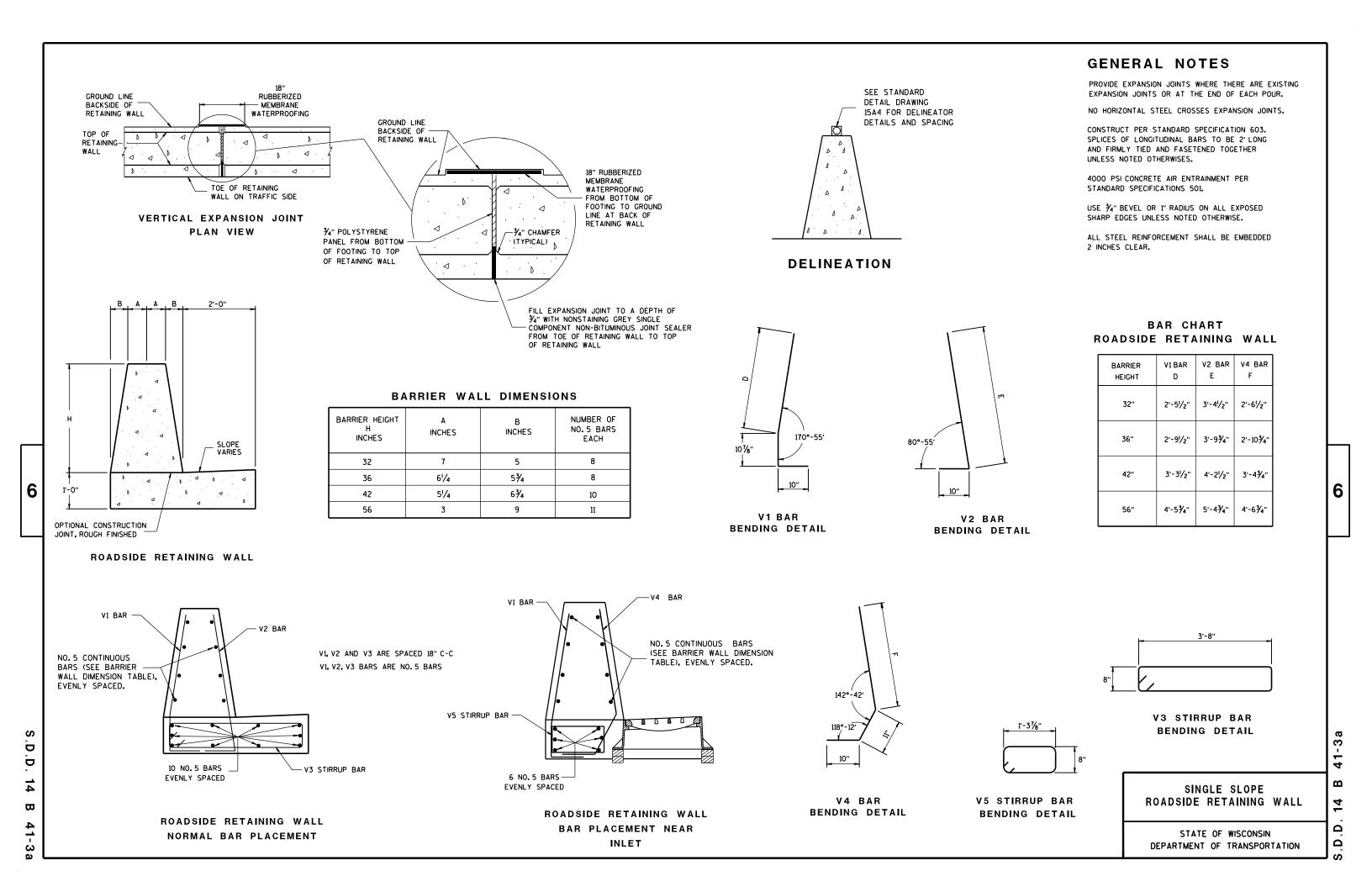
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

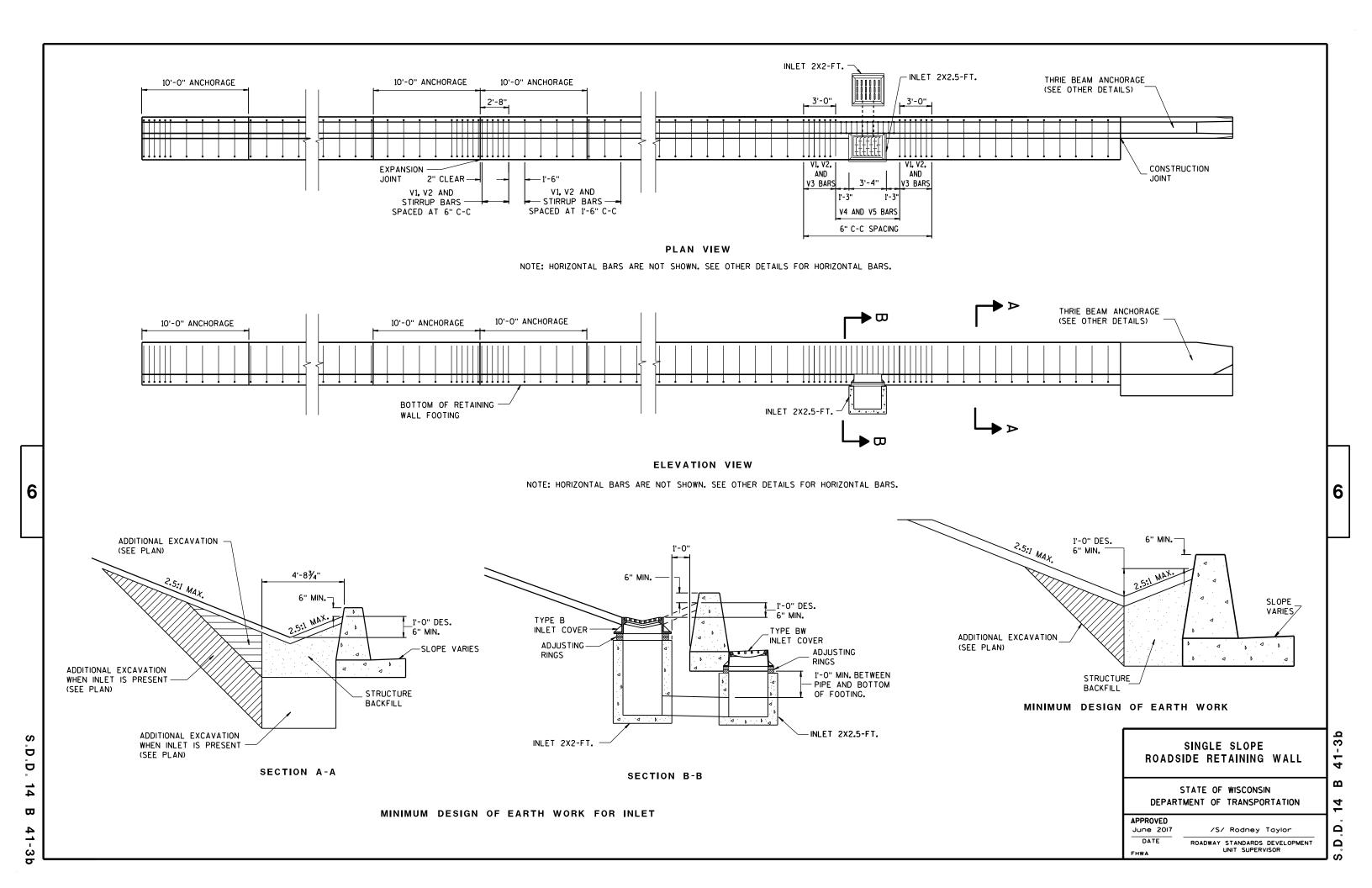
APPROVED March 2018 /S/ Peter Kemp, P.E. DATE PAVEMENT SUPERVISOR

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ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

MAINLINE ROADWAY UNDER CONSTRUCTION

ROAD

WORK

AHEAD

CENTER OF ROADWAY

GENERAL NOTES

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

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

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48"

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.

imes The Third W20-1Sign is required only if there is an intersection BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED 6

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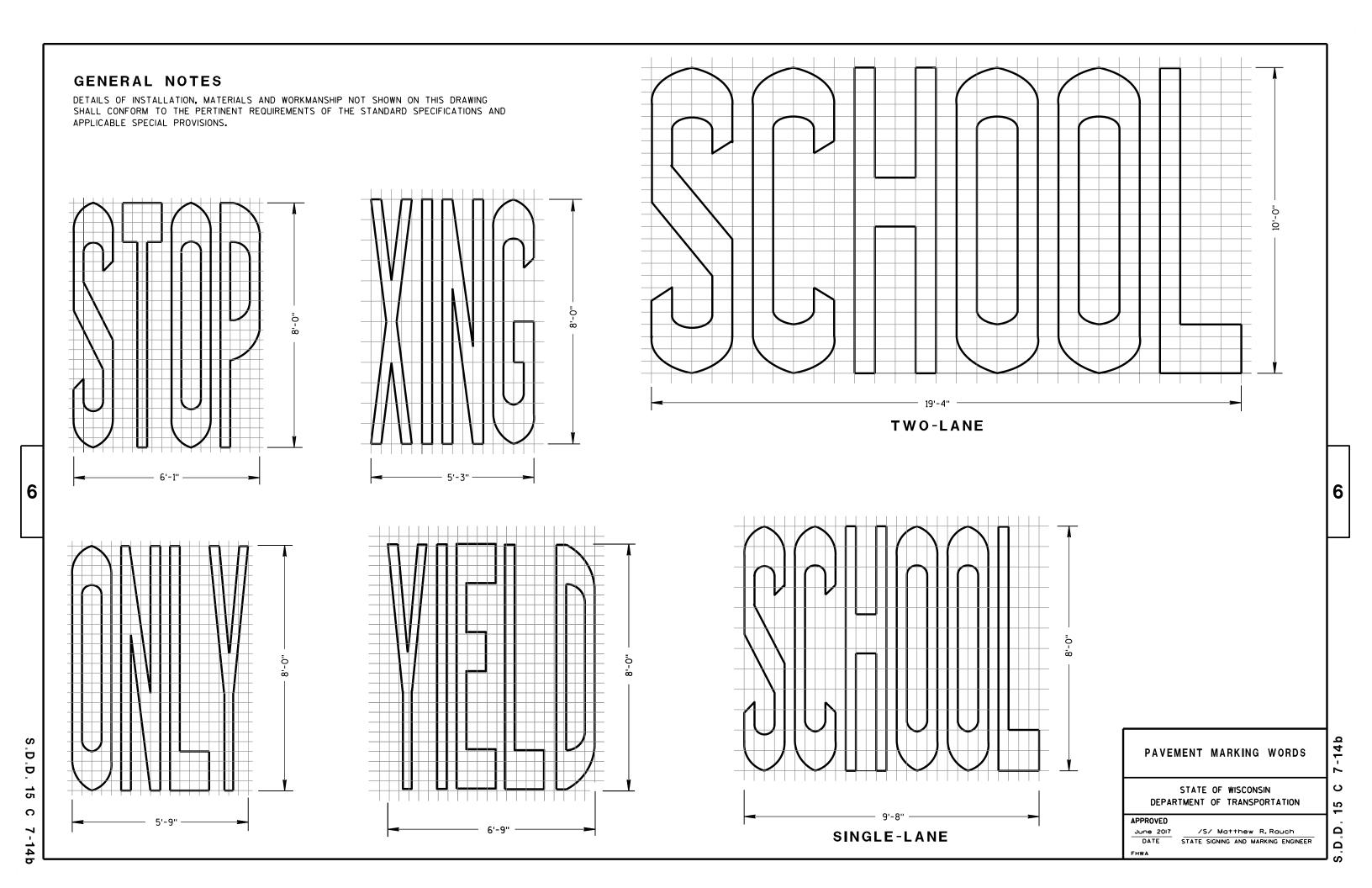
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

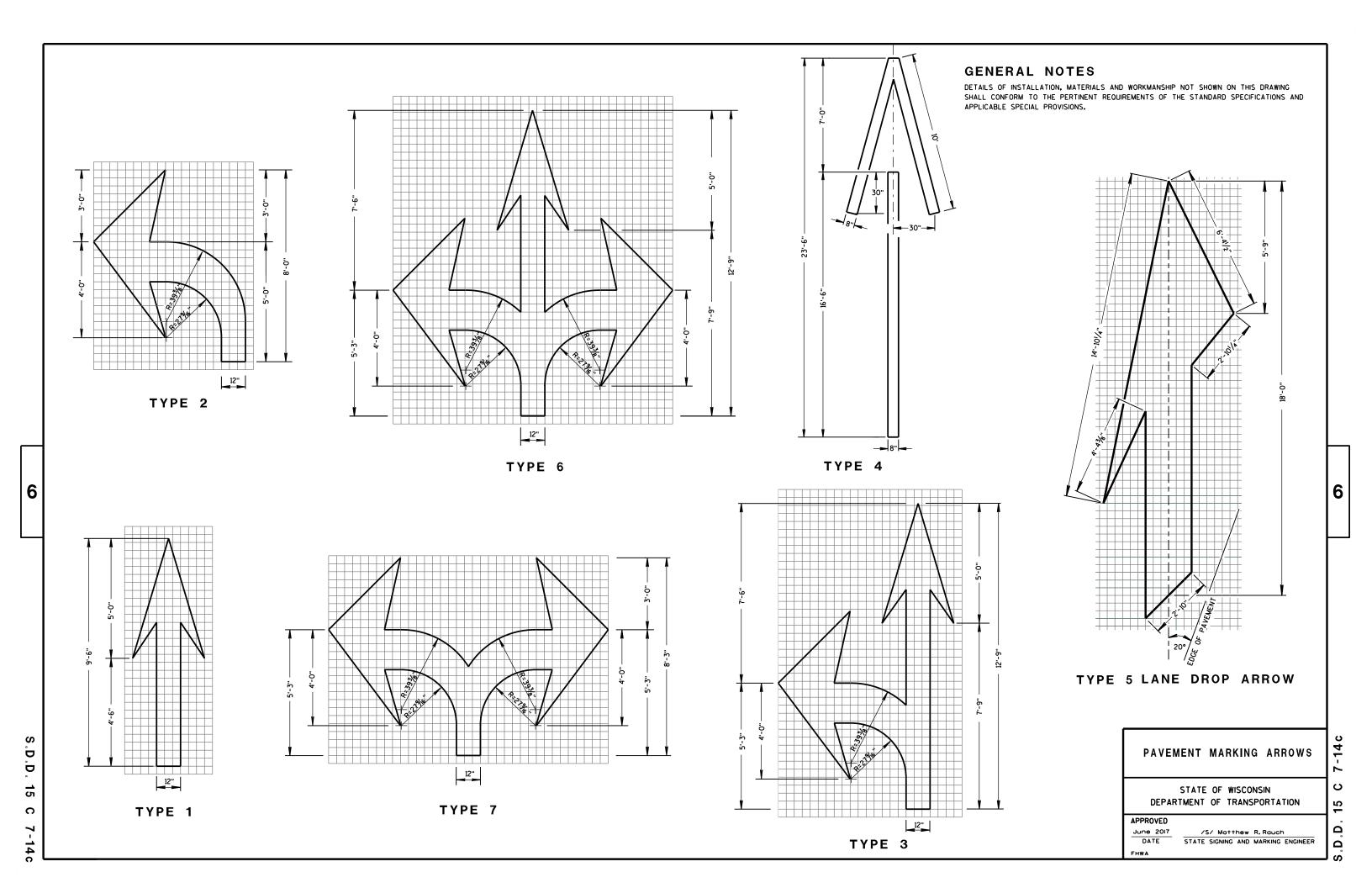
ROAD OPEN TO TRAFFIC

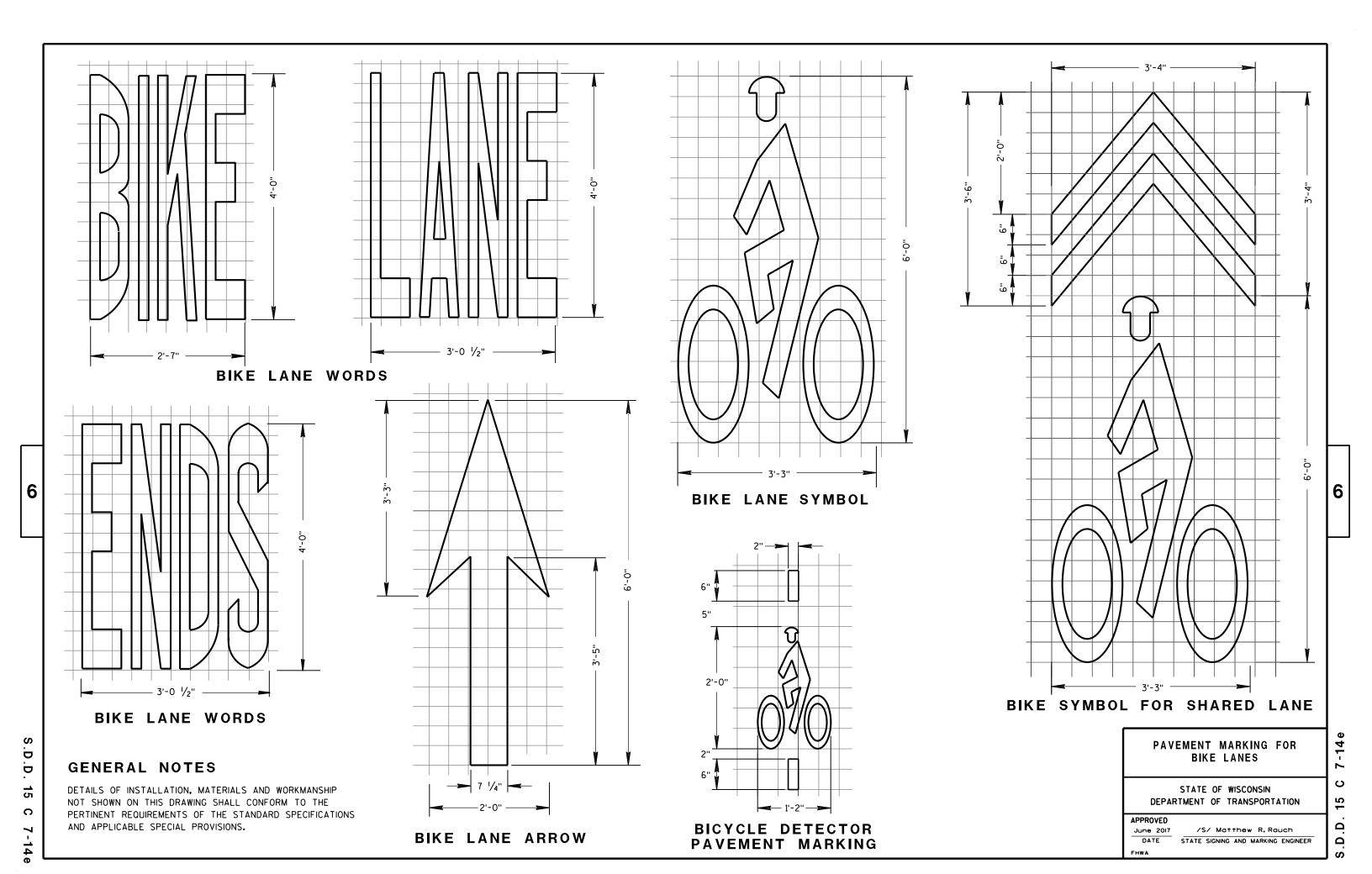
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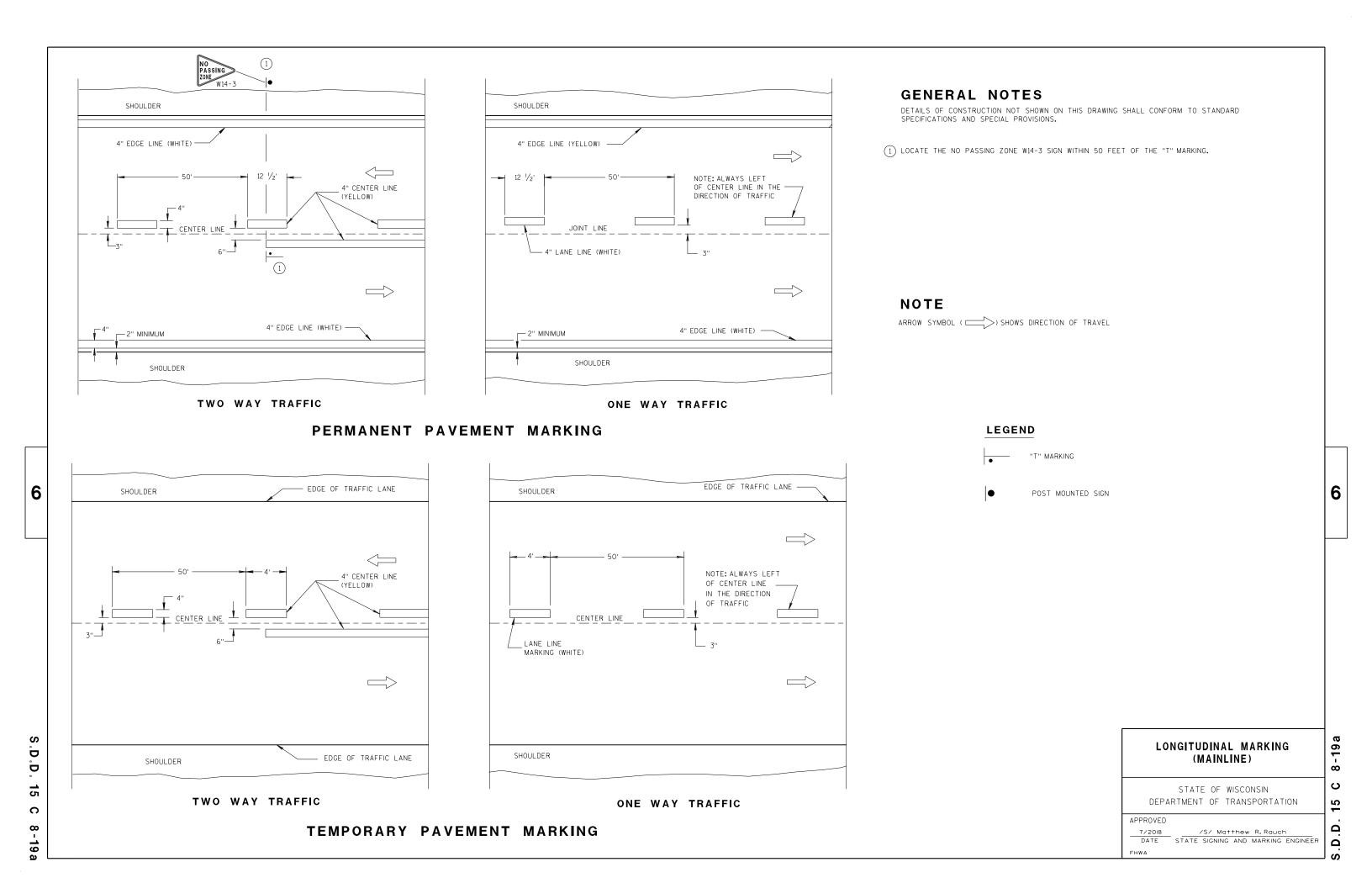
7/2018 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER

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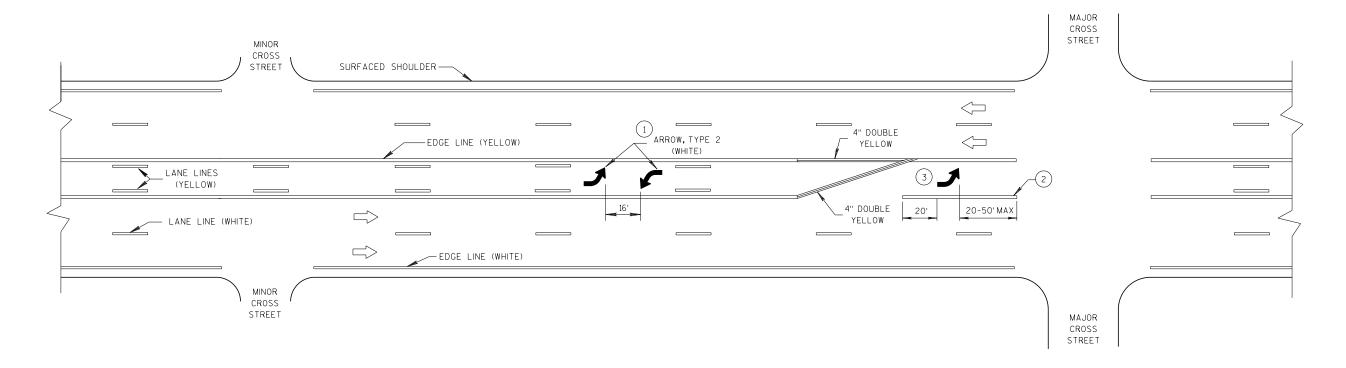








- 1 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 2 8" WHITE
- (3) TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT
- DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES) 6

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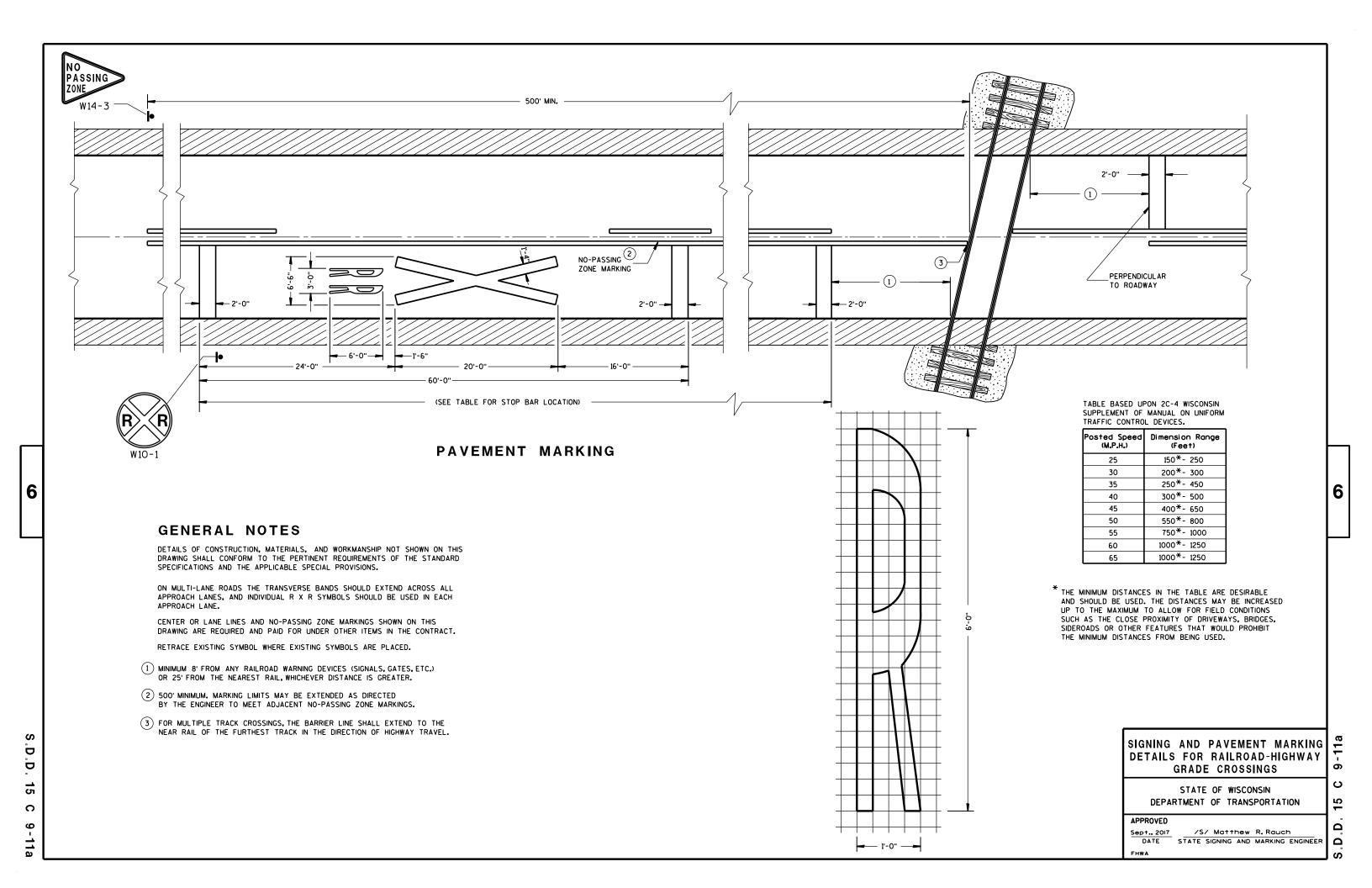
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STATE OF WISCONSIN
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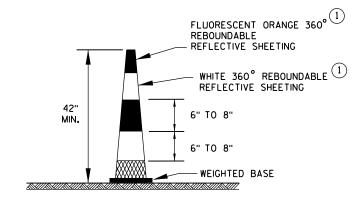
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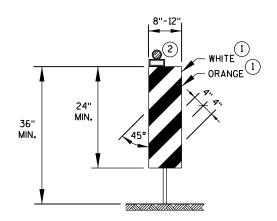
TYPE 2 BARRICADE

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



42" CONE

DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

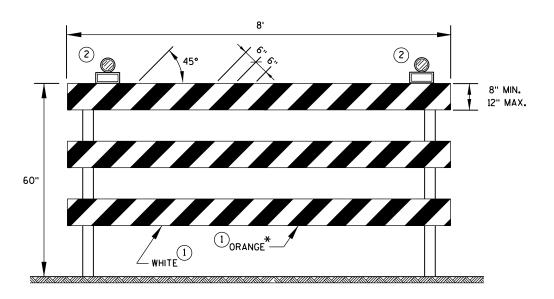


VERTICAL PANEL

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

GENERAL NOTES

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



TYPE 3 BARRICADE

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

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

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

June 2017
DATE

WORK ZONE ENGINEER
FHWA

S.D.D. 15 C 1

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TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STOP/SLOW PADDLE ON SUPPORT STAFF

5' MIN.

WORK

AHEAD

48" X 24"

END ROAD WORK G20-2A

(2)

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W20-1A

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT. REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

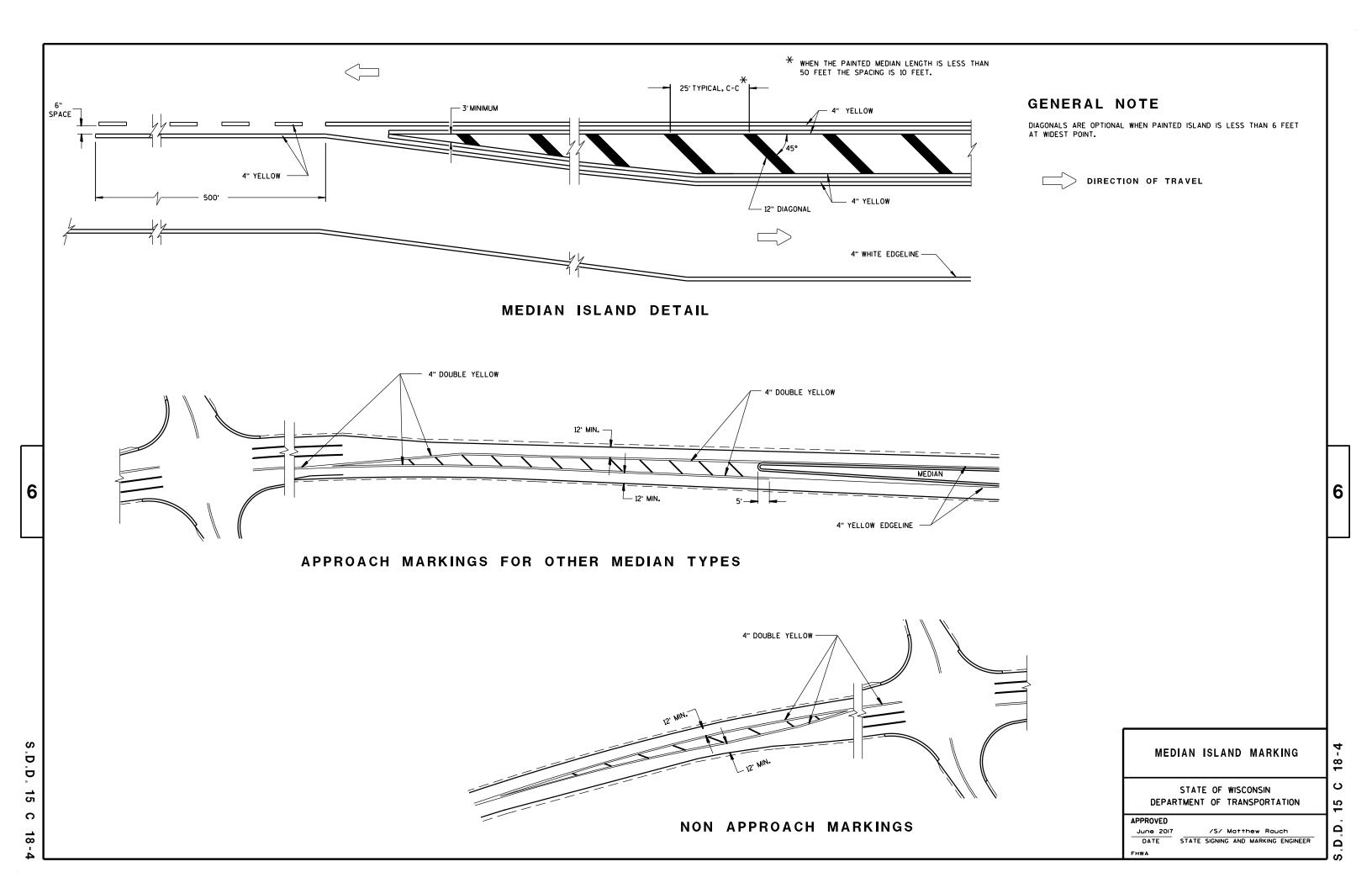
- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

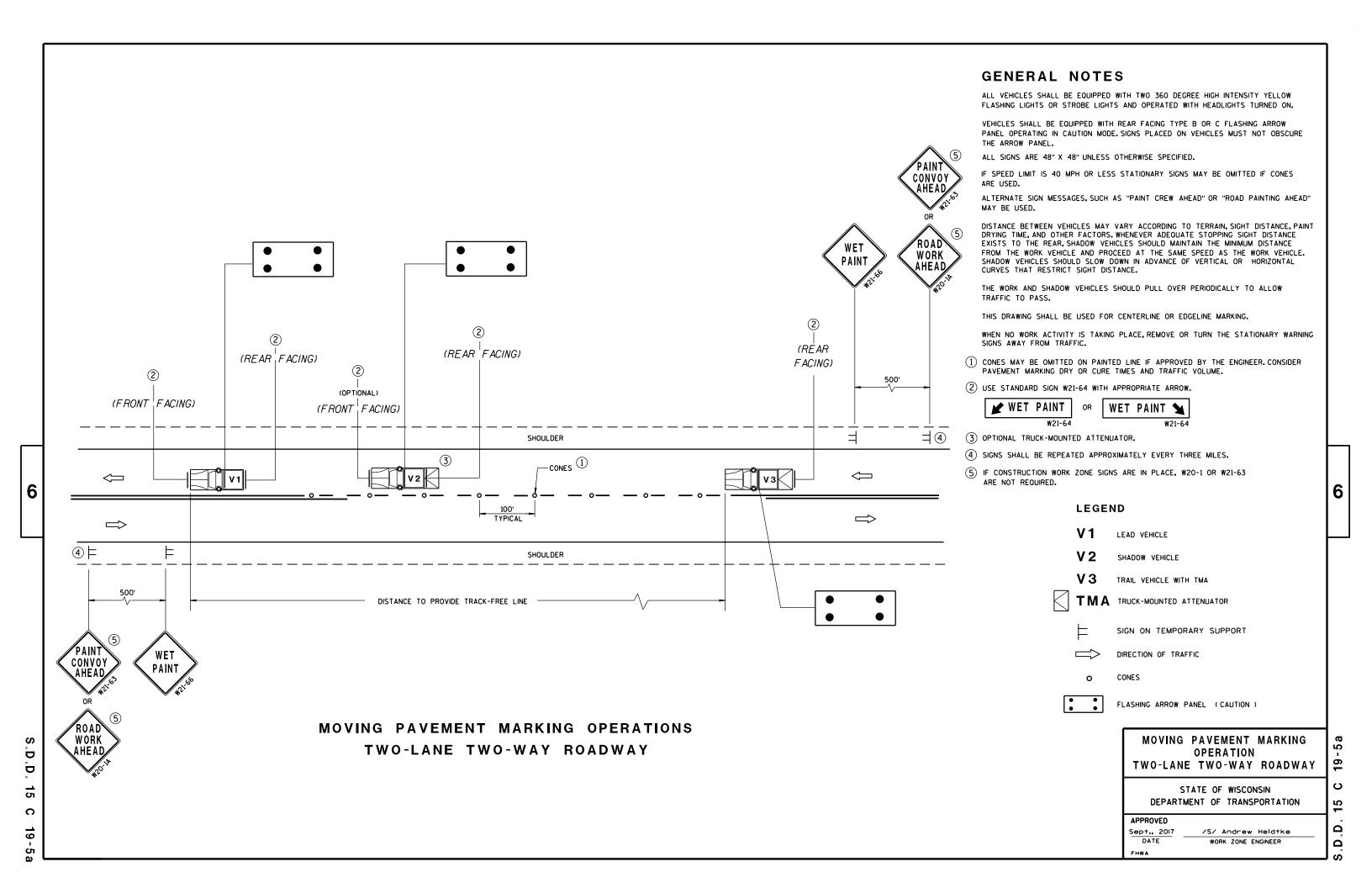
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

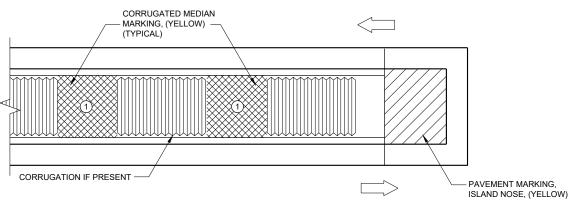
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

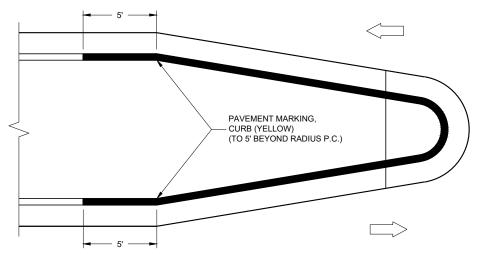
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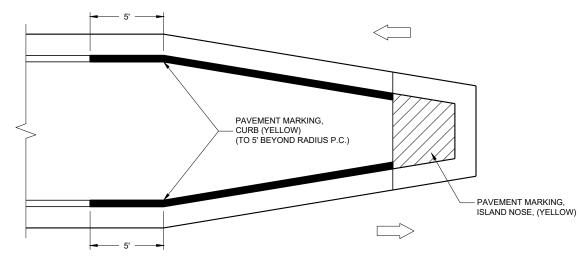




MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

CURB MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

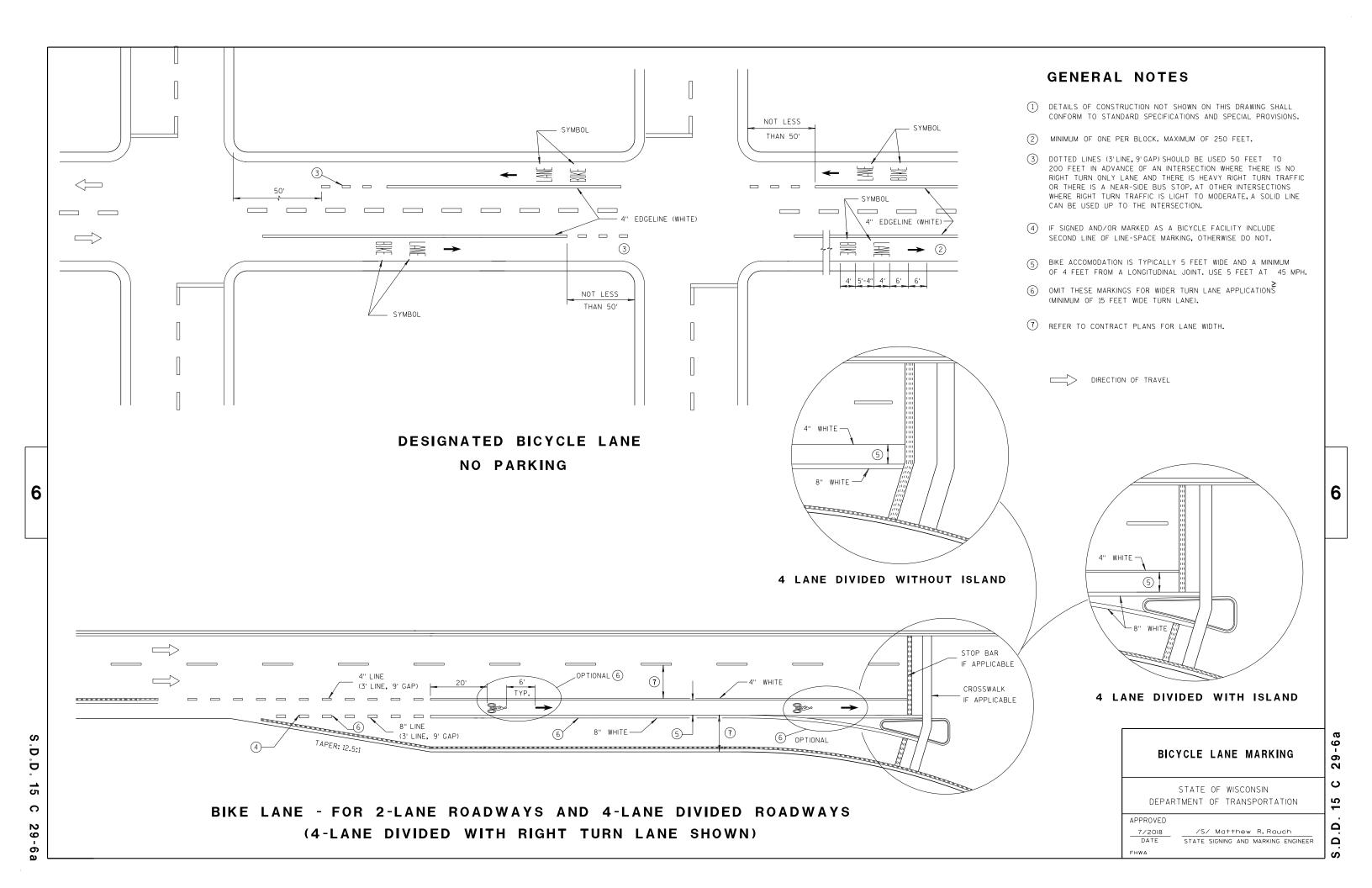
PAVEMENT MARKINGS (ISLANDS)

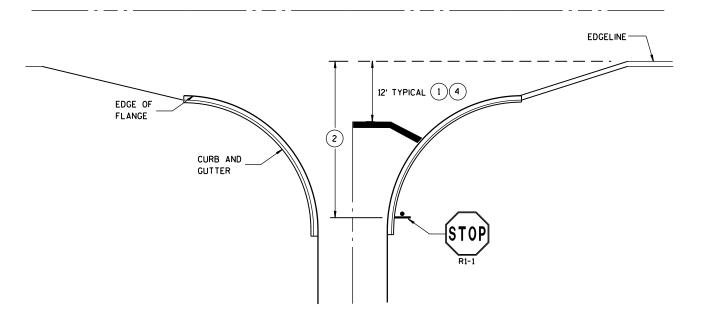
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SDD 15C27

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
7/2018	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER
TIMA	

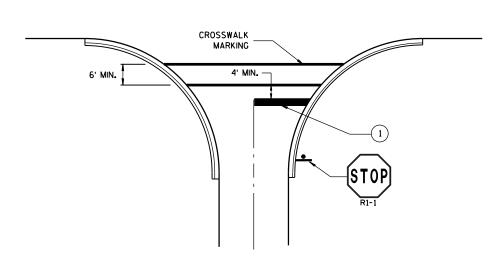




8" CHANNELIZATION WHITE FLANGELINE (EXTENSION) WHITE EDGELINE 4' TYPICAL (4)

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



- EDGELINE 12' TYPICAL (1)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- (4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK **PAVEMENT MARKING**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPRO	VED.							
Sept	. 2017		/5/	Mat	thew	R. R	auch	
DAT	E 9	STATE	SIGNIN	NG AI	ND MA	RKING	ENGINE	ER
FHWA								

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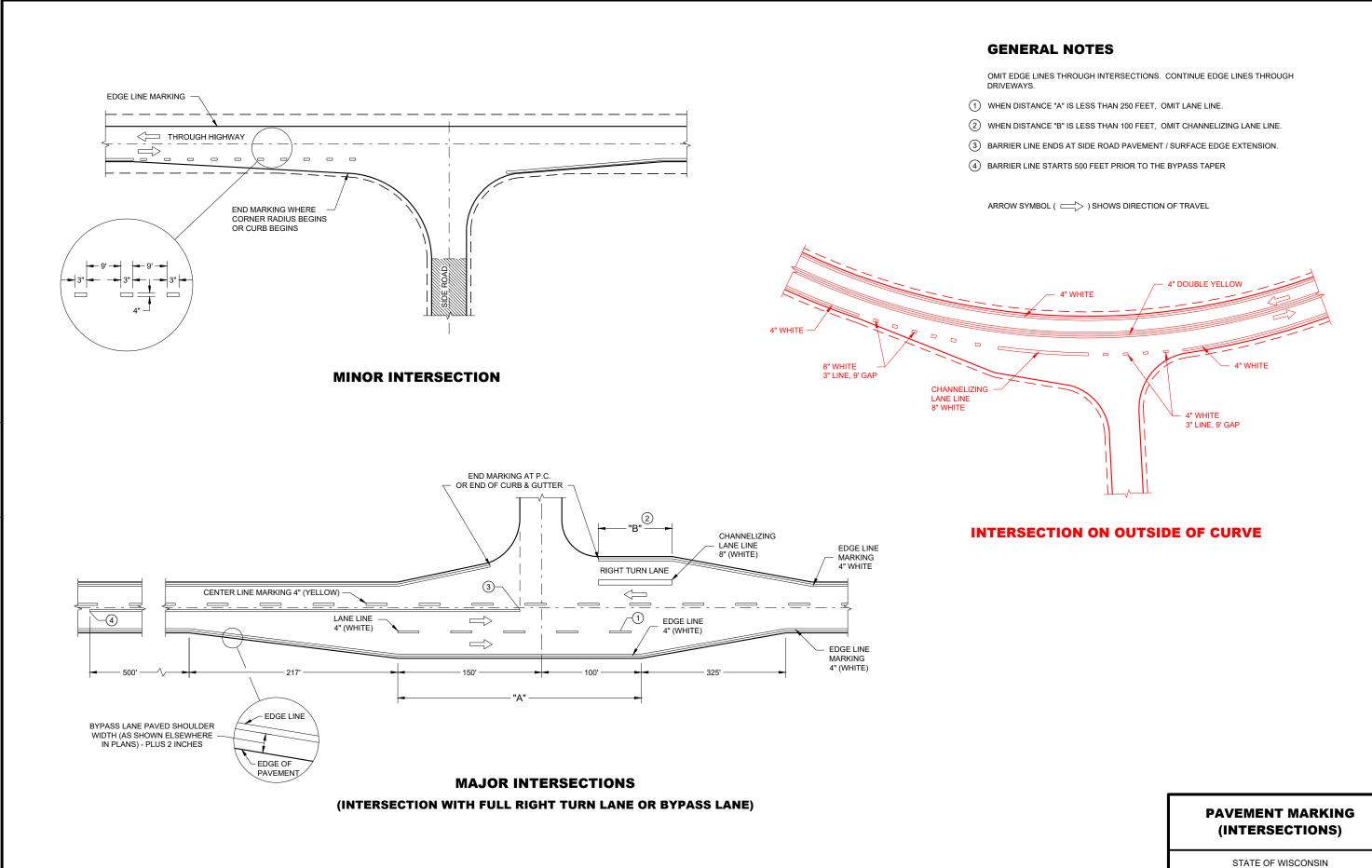
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SDD 15C35

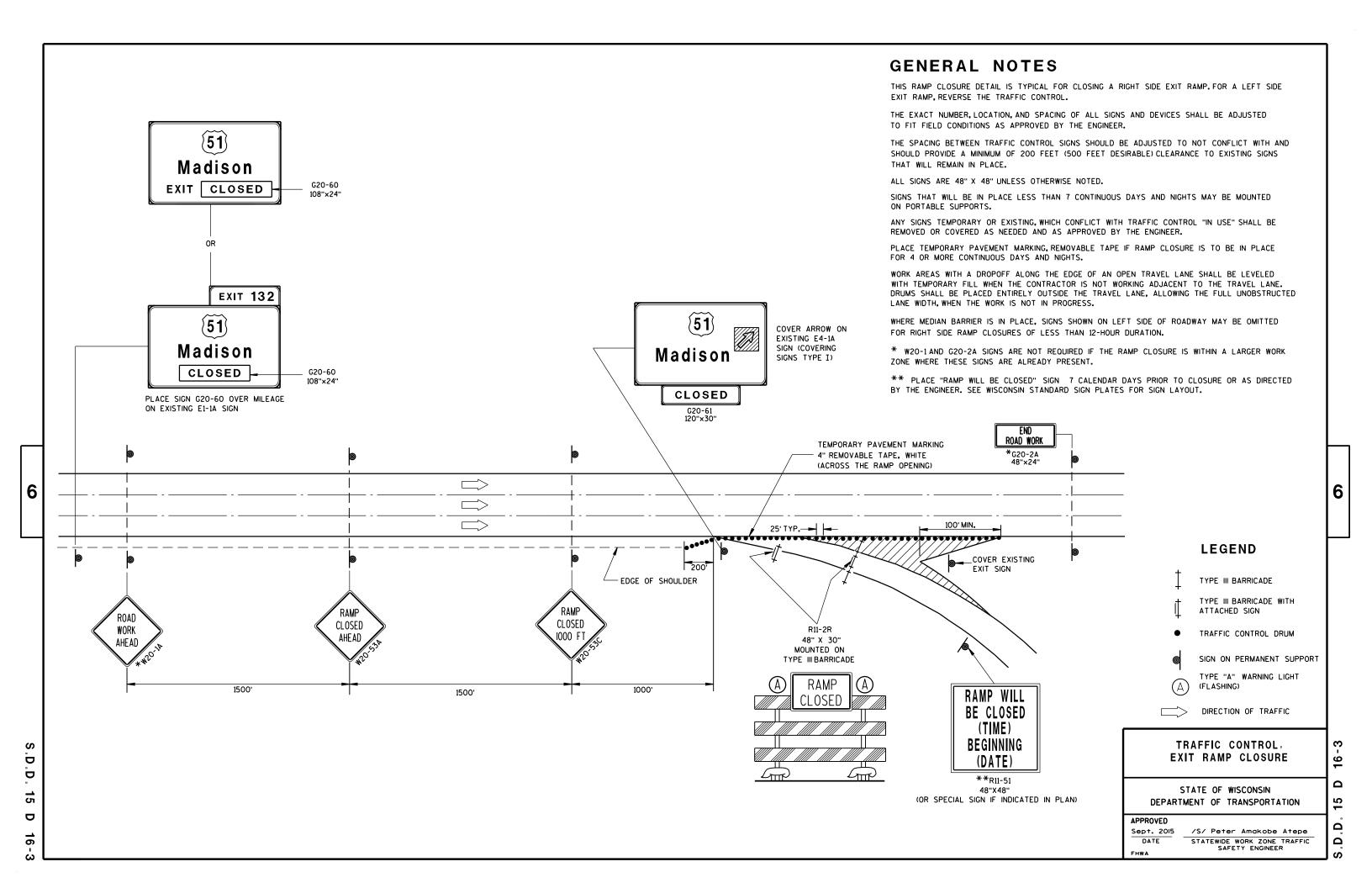
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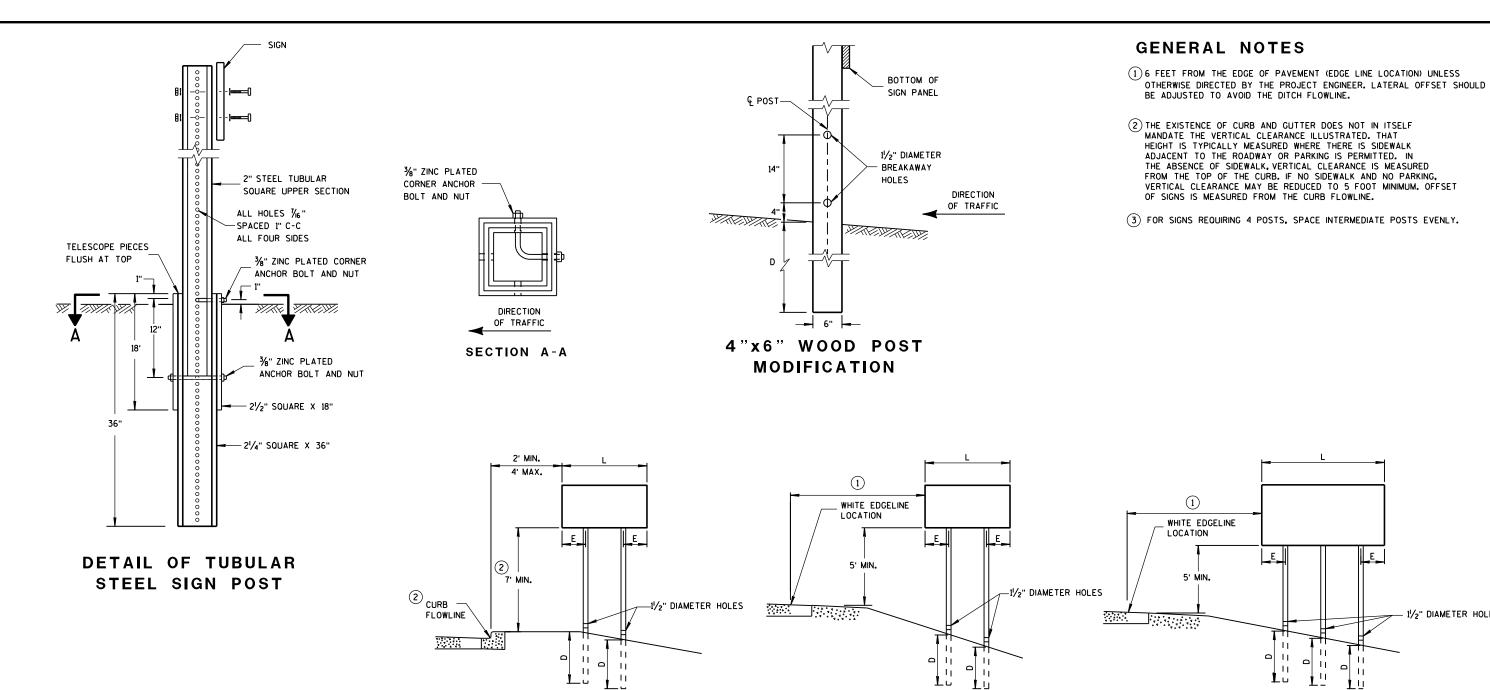
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DEPARTMENT OF TRANSPORTATION

SDD





TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

POST SPACING REQUIREM	NUMBER OF		
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

-11

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 1/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA

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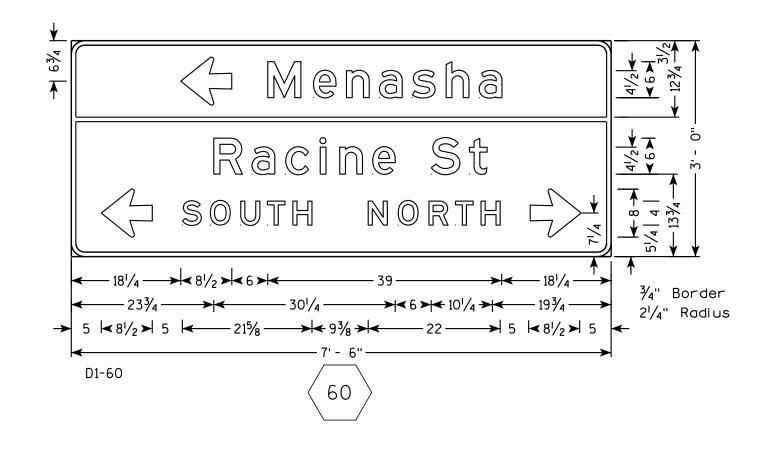
38-2b

NOTES

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

Background - GREEN
Message - WHITE

3. Message Series - E



PROJECT NO: 1517-75-77

HWY: USH 10

COUNTY: WINNEBAGO

PERMANENT SIGNING

PLOT BY : dotets

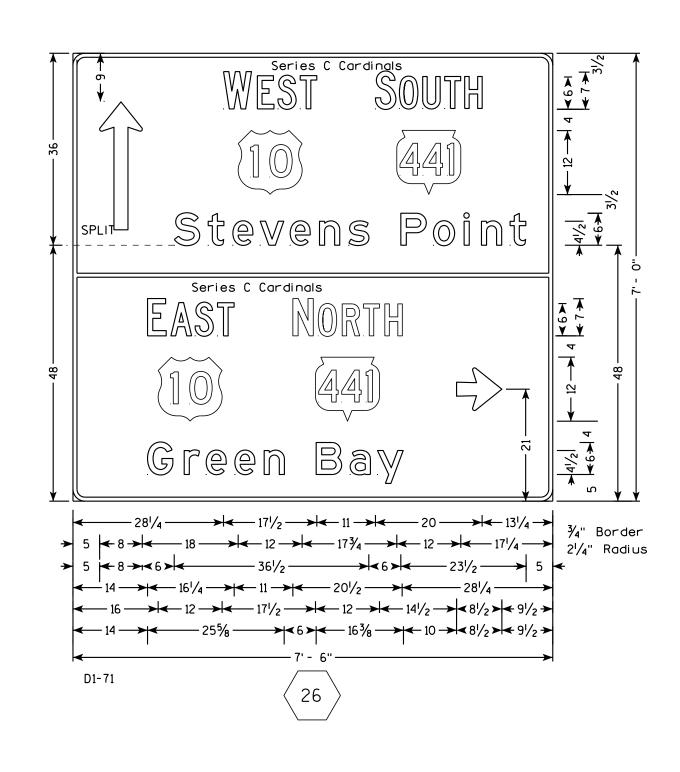
PLOT NAME :

SHEET NO:

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

Background - GREEN Message - WHITE

3. Message Series - E except as Shown



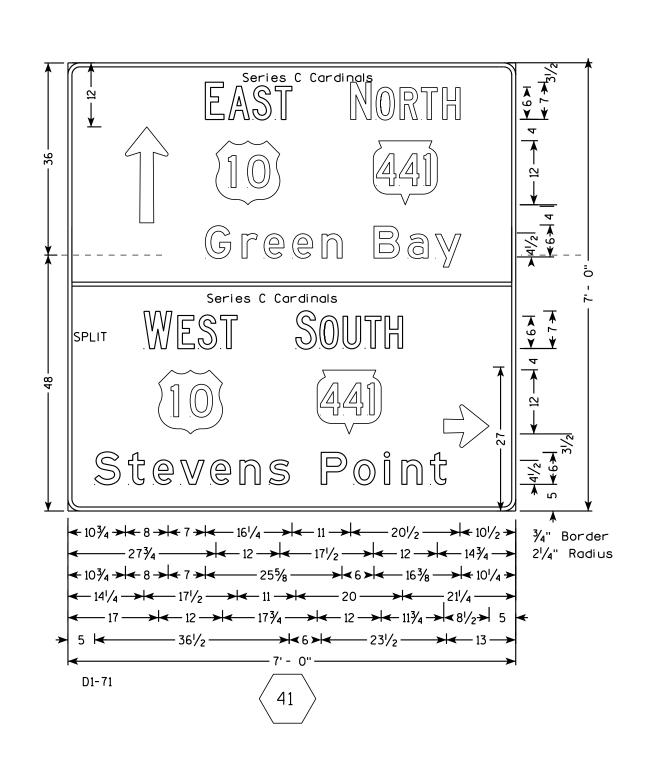
PROJECT NO:1517-75-77 HWY:USH 10 COUNTY:WINNEBAGO PERMANENT SIGNING SHEET NO:

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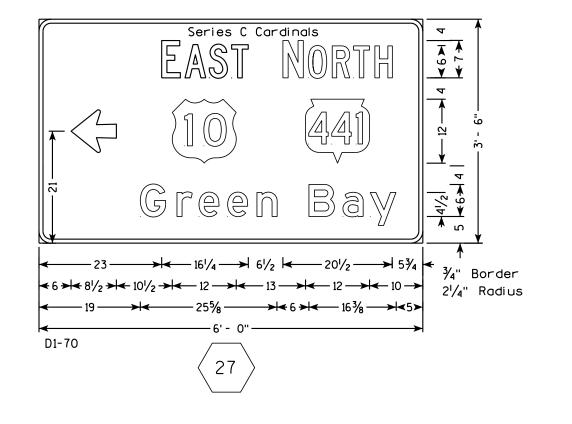
- 1. All SignTeype II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - E except as Shown



HWY: USH 10

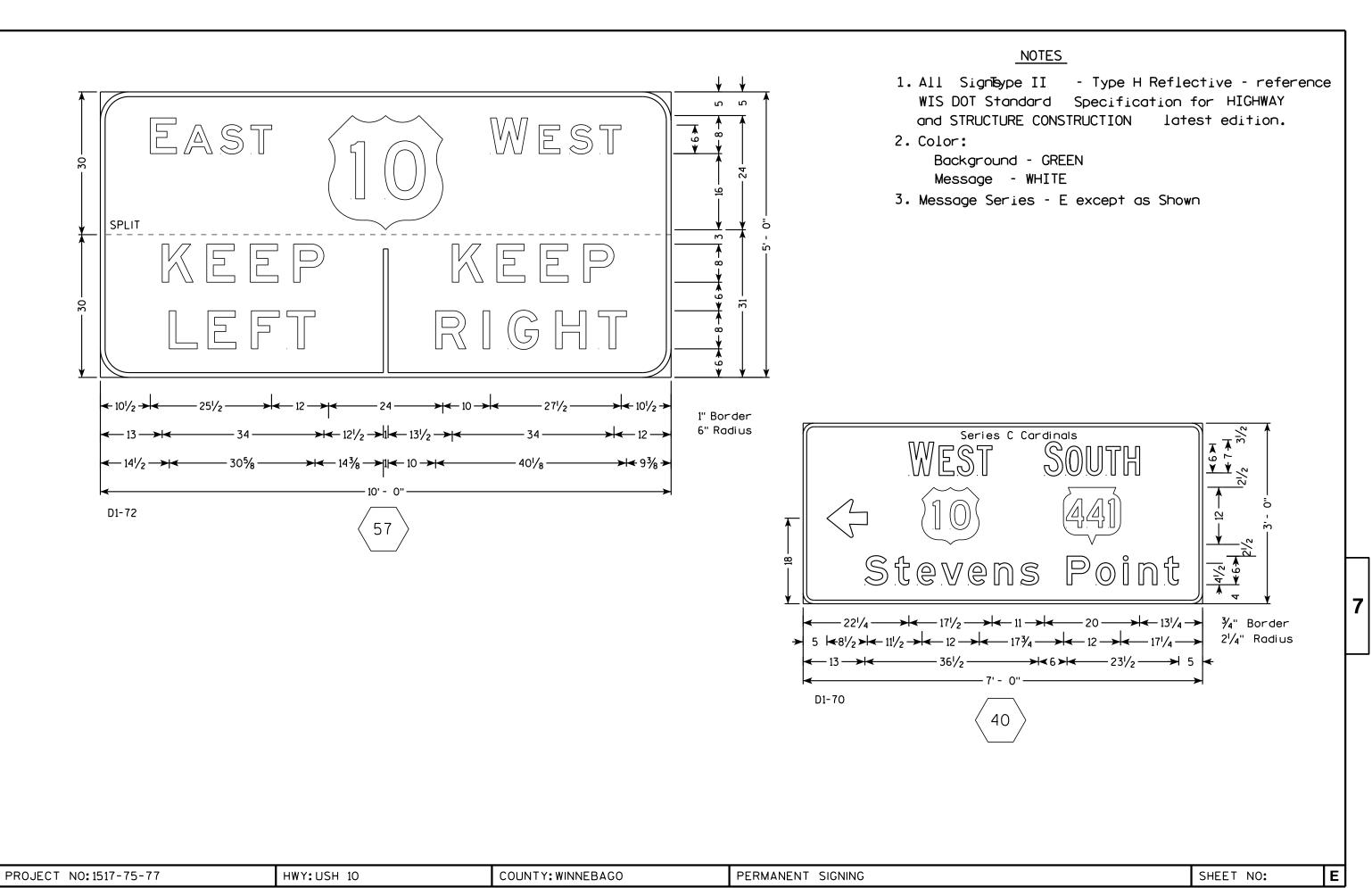


PROJECT NO: 1517-75-77

COUNTY: WINNEBAGO

PERMANENT SIGNING

SHEET NO:

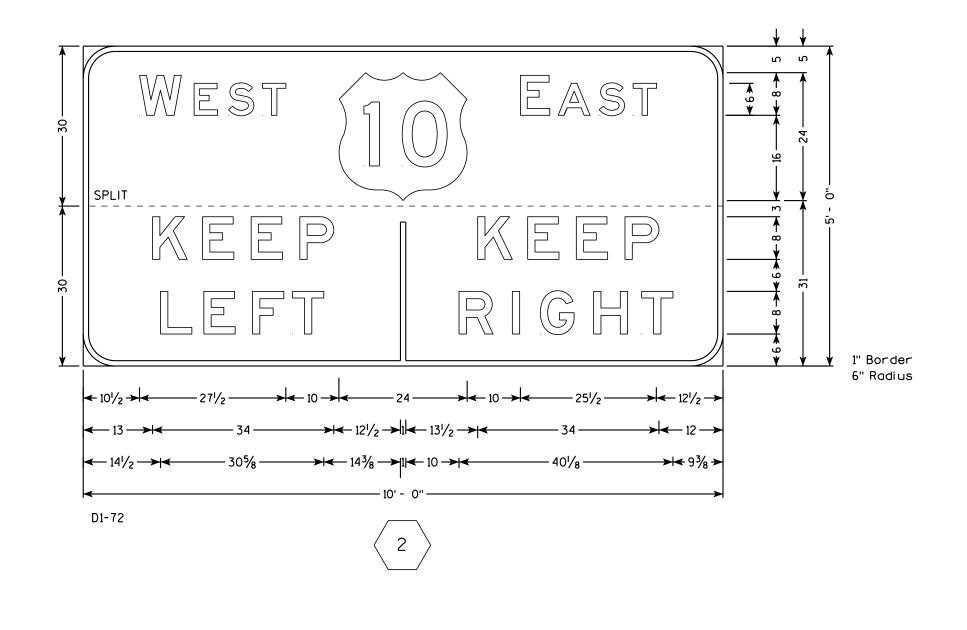


NOTES

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

Background - GREEN Message - WHITE

3. Message Series - E



7

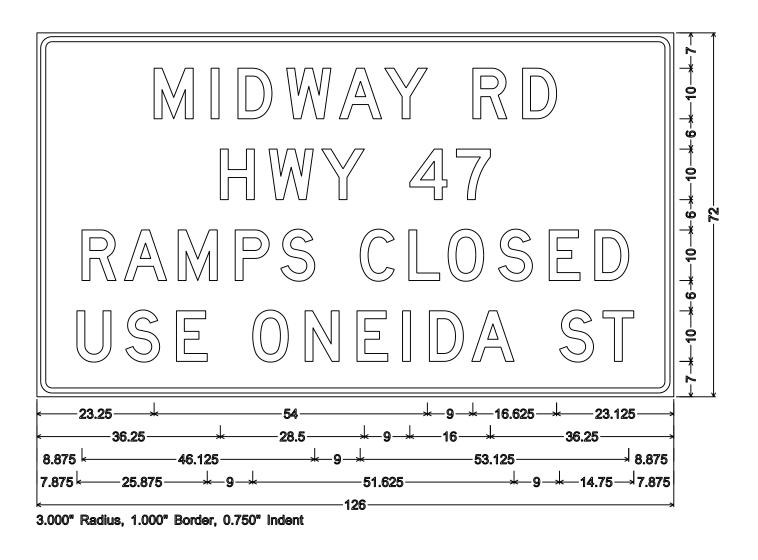
PROJECT NO: 1517-75-77 HWY: USH 10 COUNTY: WINNEBAGO PERMANENT SIGNING SHEET NO:

17

- 1. All Signs Type II Type F Reflective
- 2. Color:

Background – Orange Message – Black

3. Message Series - D



7

PROJECT NO:1517-75-77 HWY: USH 10/STH 441 COUNTY: WINNEBAGO TEMPORARY SIGNING SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_d3\MidwayRdFMS.DGN PLOT DATE : 15-MAY-2018 14:40 PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

WISDOT/CADDS SHEET 42

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:

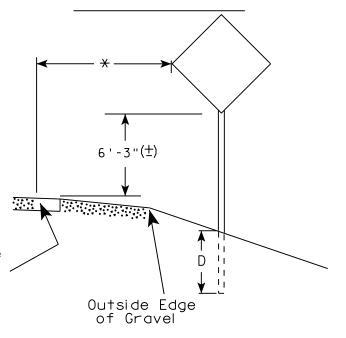
urban area

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

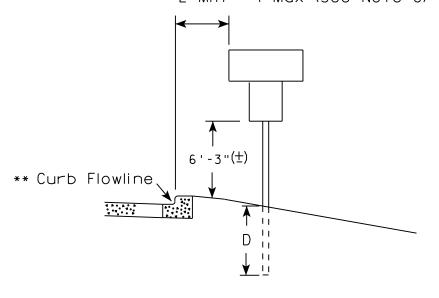
** Curb Flowline

D | White Edgeline Location

RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

PLOT DATE: 21-AUG-2017 16:04

** 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.

POST EMBEDMENT DEPTH

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

* 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.

GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or 6'-3" (\pm) depending upon existence of a sub-sign.
- 4. J-Assemblies are considered to be one sign for mounting height.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5'-3''(\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (\pm) 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" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

SHEET NO:

PROJECT NO:

HWY:

COUNTY:

NTY:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE : 100.601251:1.000000



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. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)						
	L	E					
***	Greater than 48" Less than 60"	12"					
	60" to 108"	L/5					

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

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

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

| | |



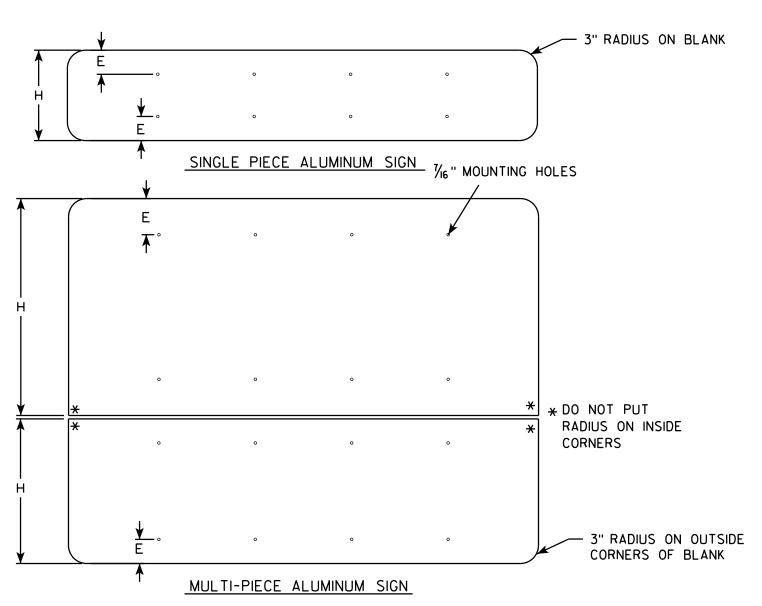
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

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

For State Traffic Engineer

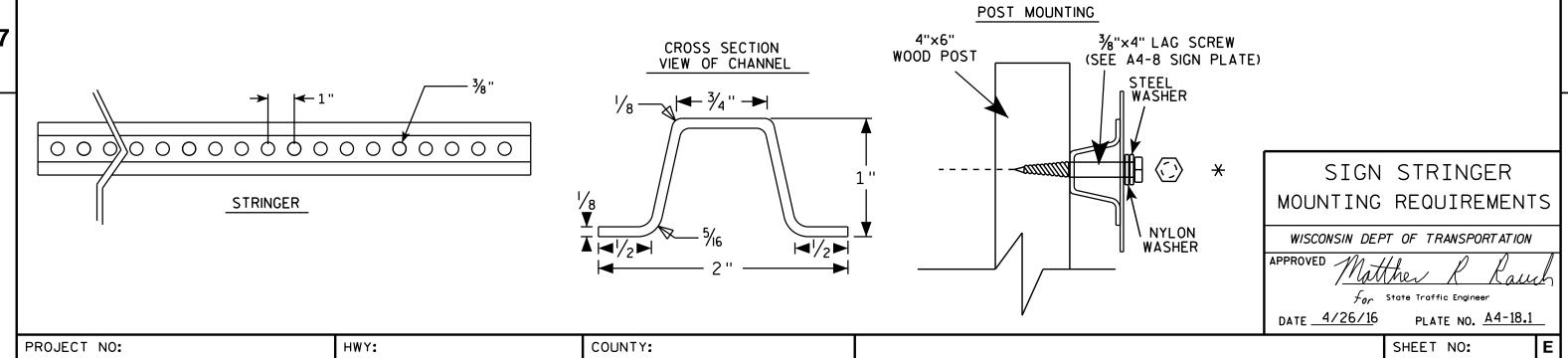




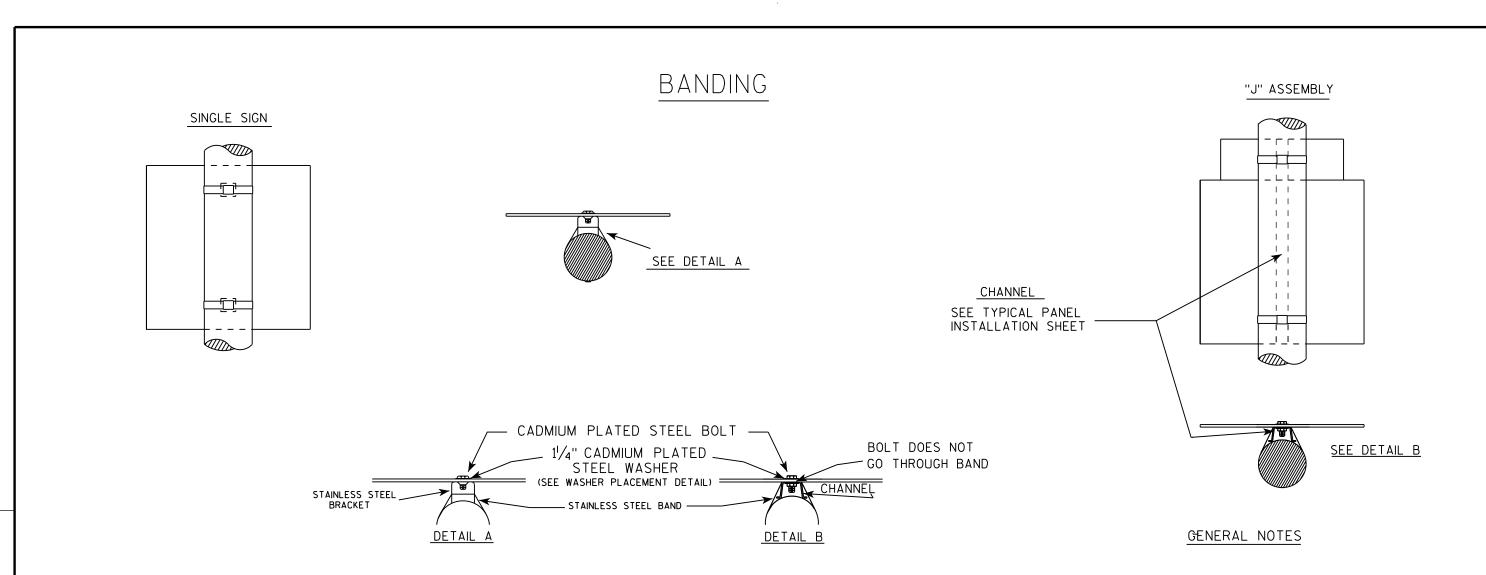
GENERAL NOTES

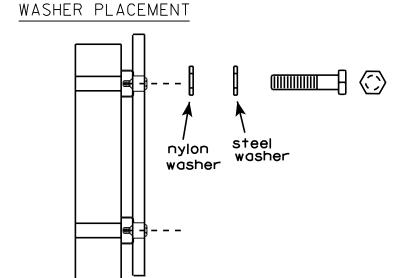
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
78"	72"	2	16''	15''	31''	47''	63"			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 7 1/21			
90"	72"	2	18''	18''	36''	54''	72''			
96"	90"	2	19''	191/2"	381/2''	571/2"	761/21			
102"	90"	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 ^l / ₂ ''	641/2"	851/21	1		
114''	108''	3	15''	12''	2 7 ''	42"	5 7 "	7 2"	87"	102"
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63"	80"	97"	114''
132"	126''	3	18''	12''	30"	48"	66"	84"	102"	120''
138''	126''	3	19''	12''	31''	50"	69"	88"	107''	126"
144''	126''	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h





HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

SHEET NO:

State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

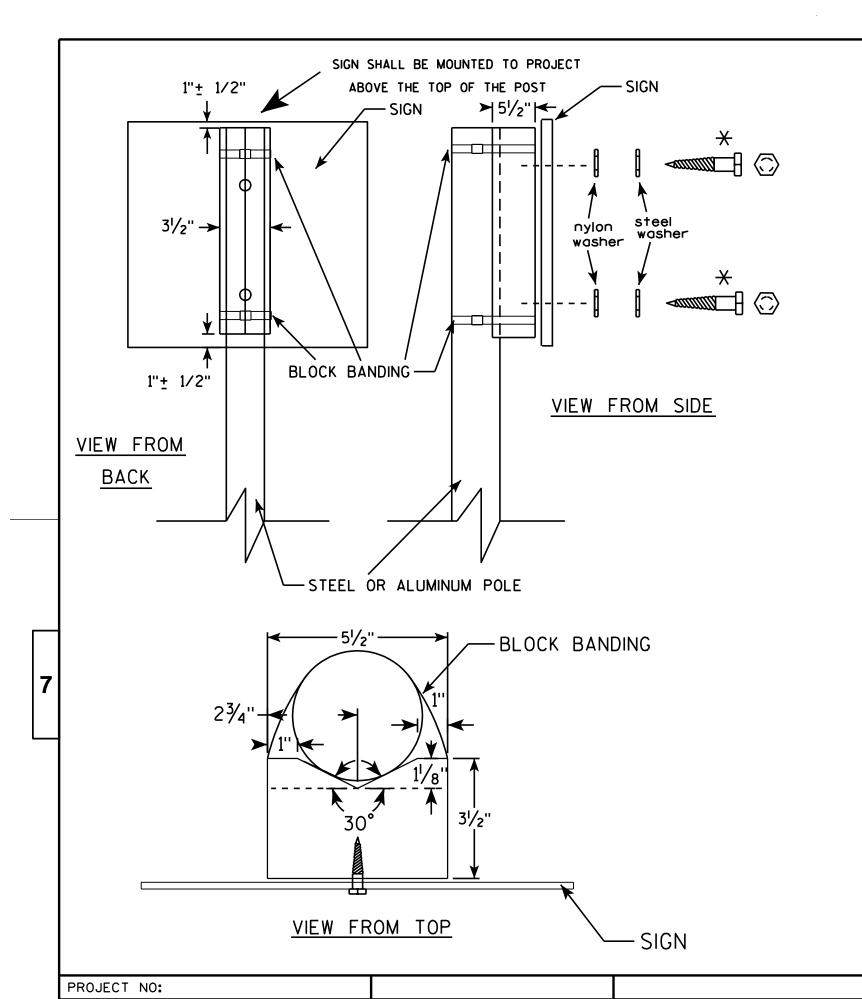
PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3



GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

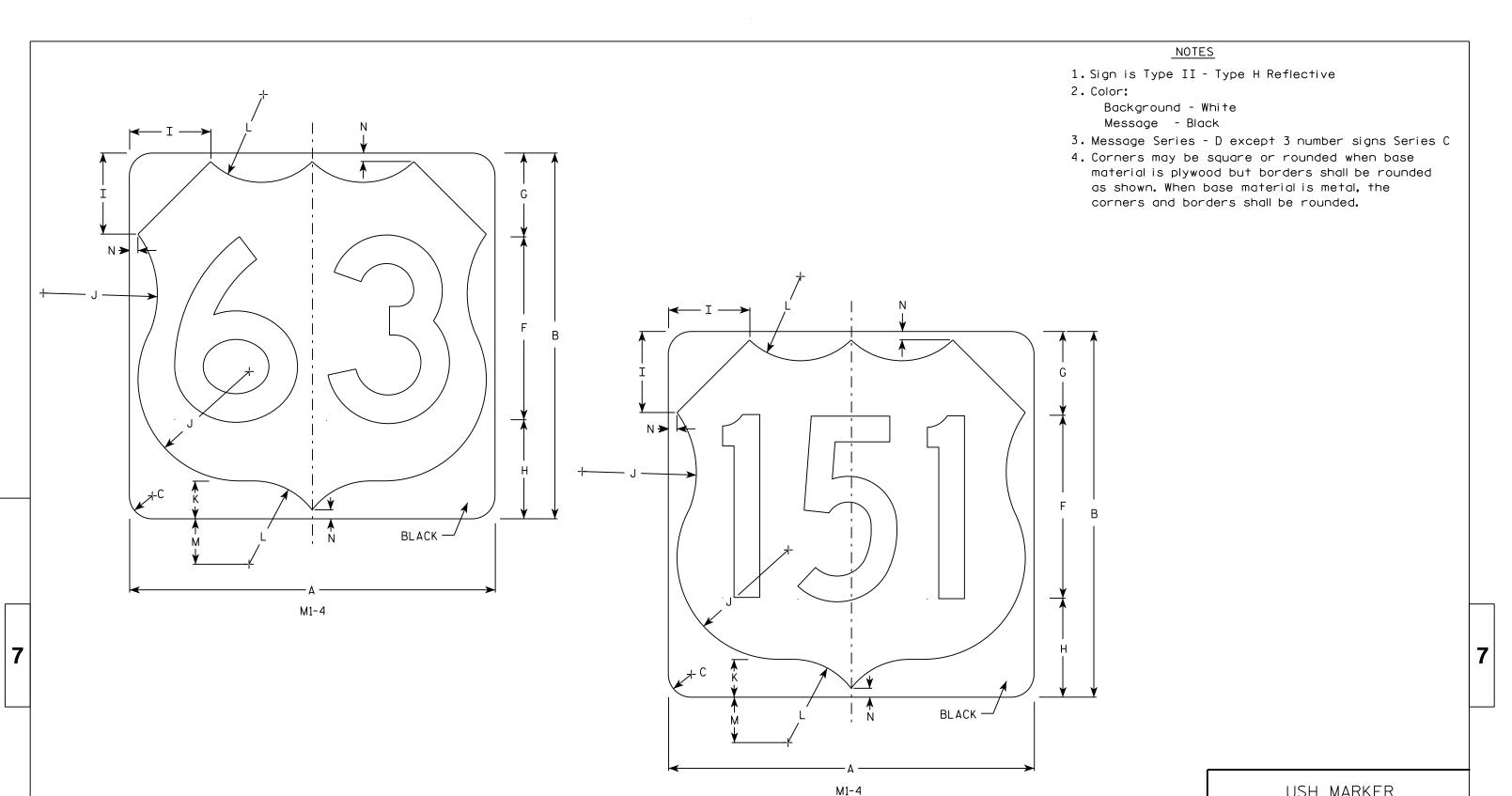
APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:



D Ε G Ν Z 2 24 24 | 1 1/2 7 1/2 2 1/2 5 1/2 5 1/2 6 1/2 1/2 4.0 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 36 8 1/4 9 1/4 3/4 9.0 18 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 9 1/4 9.0 18 8 1/4 8 1/4 9 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 36 | 2 1/4 18 9.0

COUNTY:

USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

For State Traffic Engineer

DATE 3/16/18

PLATE NO. M1-4.10

SHEET NO:

HWY:

PROJECT NO:

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

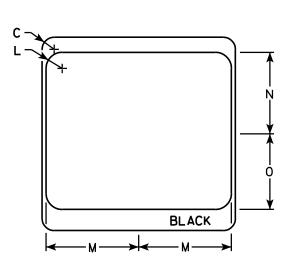
Background - White & Black - See Note 7 Message - Black

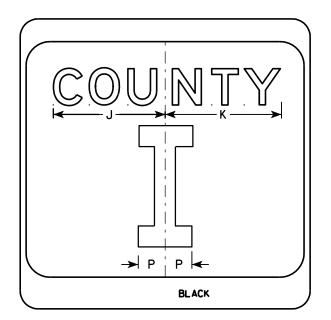
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

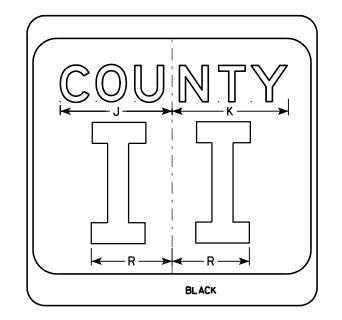
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







SIZE	Α	В	С	D	E	F	G	Н	I	J	K	٦	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	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 %		10									9.0
4	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 %		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
PRO	IFCT	NO:	·		·	·	Luv	VY:		·	·		COUN	TV•		·				·	·		·				

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther K Rauch

Forstate Traffic Engineer

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

SHEET NO:

BLACK

M1-5A

PLOT NAME :

PLOT SCALE: 5.959043:1.000000

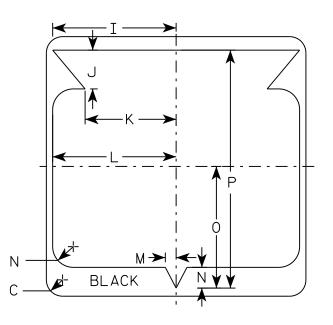
WISDOT/CADDS SHEET 42

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

Background - White Message - Black

- 3. Message Series D except 3 number signs 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.

	G F A H H
A A	
M1-6	1



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 ¾	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/18

PLATE NO. <u>M1-6.10</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.DGN

HWY:

PROJECT NO:

PLOT DATE: 16-MAR-2018 14:11

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE : 6.655277:1.000000

WISDOT/CADDS SHEET 42

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

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

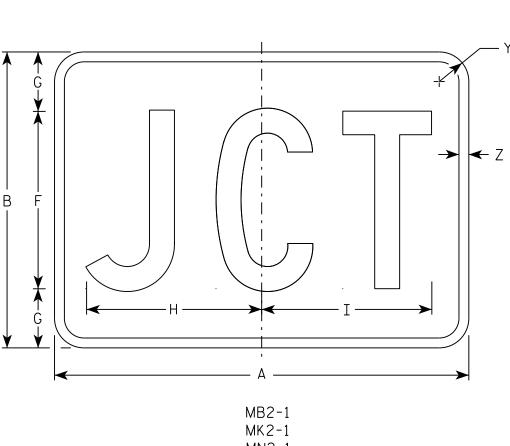
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

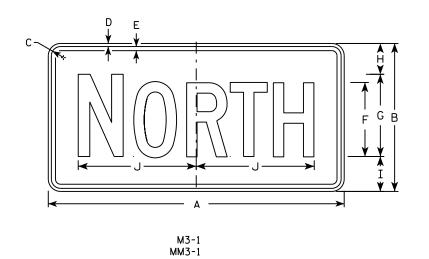
MM2-1

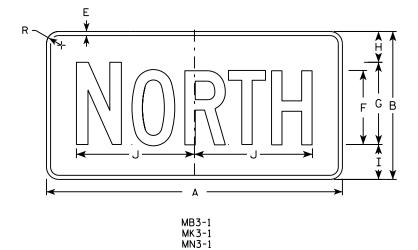
MP2-1

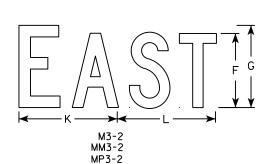
PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

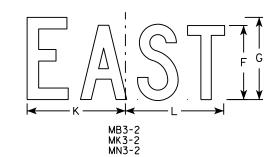
PLOT SCALE • 4 864603•1 000000

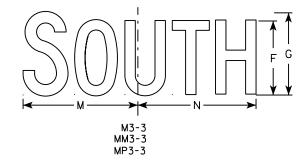


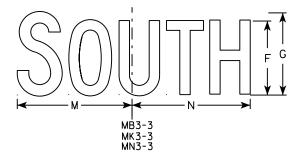


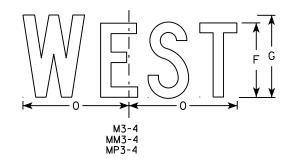


MP3-1

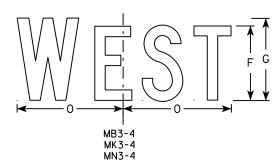








HWY:



NOTES

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

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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

SIZE	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 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

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

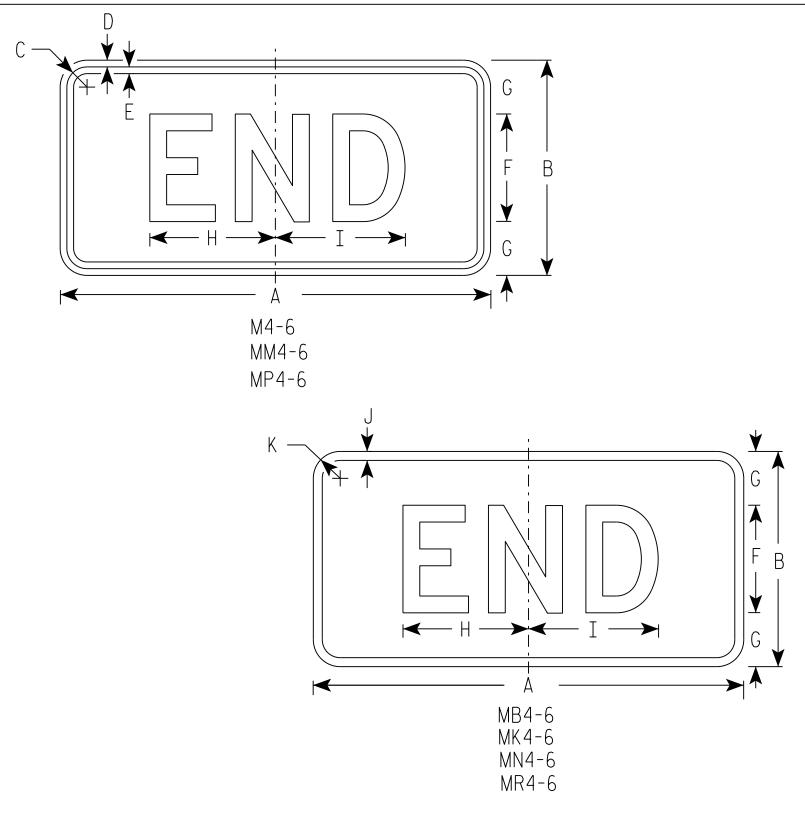
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000



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

Background - See note 5 Message - See note 5

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-6 Background White

Message - Black

MB4-6 Background - Blue

Message - White

MK4-6 Background - Green

Message - White

MM4-6 Background - White

Message - Green

MN4-6 Background - Brown

Message - White

MP4-6 Background - White

Message - Blue

MR4-6 Background - Brown

Message - Yellow

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	٥	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5

STANDARD SIGN M4 - 6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Kaus For State Traffic Engineer

DATE 10/15/15 PLATE NO. M4-7.9

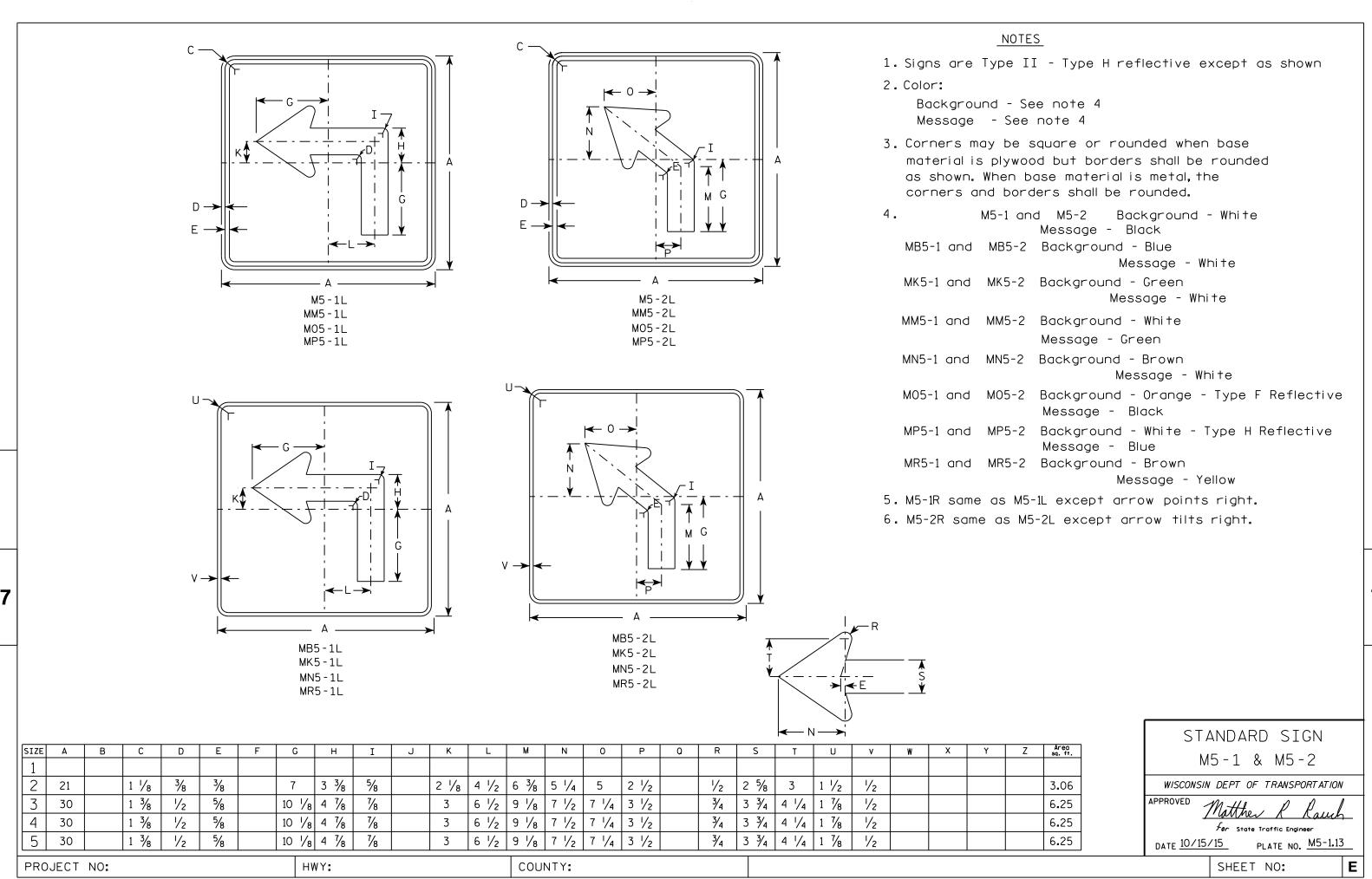
SHEET NO:

FILE NAME . C.\CAFfiles\Projects\tr stdblote\M46 DGN

PLOT DATE . 01-DEC-2015 17.55

PLOT BY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 5 351066.1 000000

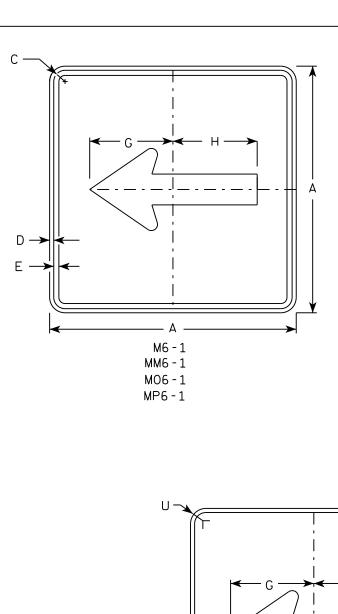


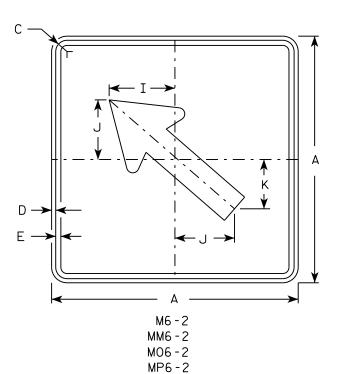
FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

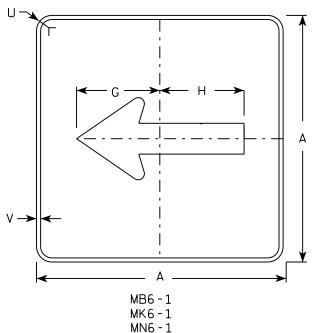
PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000

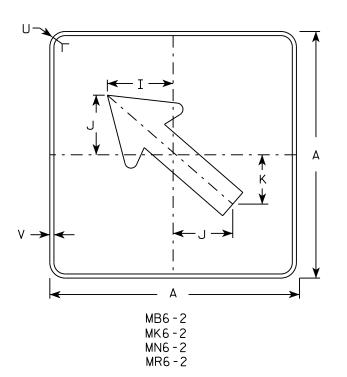






MR6-1

HWY:



NOTES

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

Background - See note 4 Message - See note 4

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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

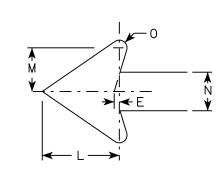
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 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 %	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

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

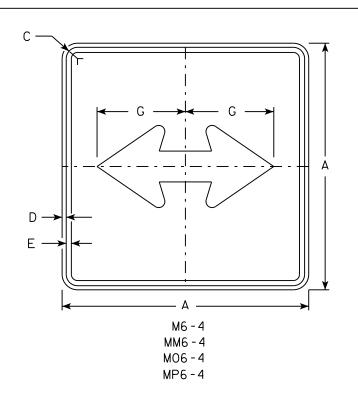
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

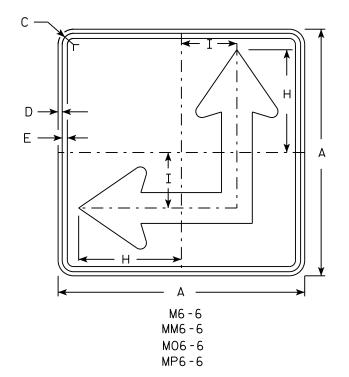
PROJECT NO:

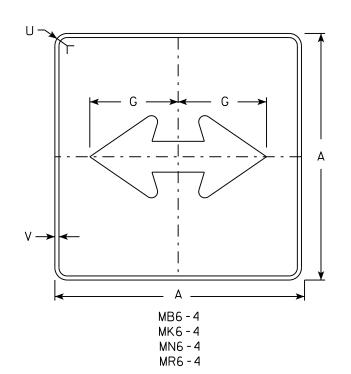
PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

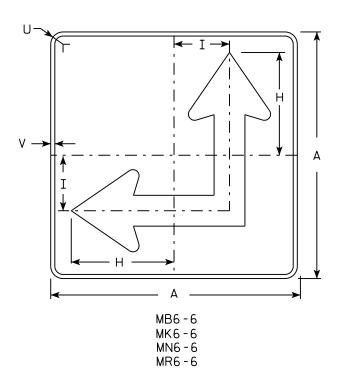
PLOT SCALE . 11 675051.1 000000







HWY:



NOTES

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

Background - See Note 4 Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-4 and M6-6 Background White Message - Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

and MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

M06-4 and M06-6 Background - Orange - Type F Reflective

Message - Black

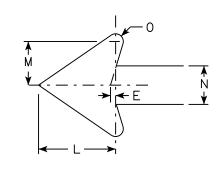
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	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	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 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	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

SHEET NO:

APPROVED

DATE 10/15/15

PLATE NO. M6-4.10 Ε

PLOT DATE . 01-DEC-2015 17.58

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000

PROJECT NO:



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

Background - Red Message - White

3. Message Series - C

*								— А — ;											A	
									H			- G -							F	A
		E						 	-1			_//								*
D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. _____R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42

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

Background - White Message - See note 5

3. Message Series - C

PLOT NAME :

- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The border strip and word message are reflectorized red.

A	
	G
	\\ \ F \\ \ \ \
E	 B
D D	
R1-2	

SIZE	Α	В	С	D	E	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	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7 ⁄8	4	3 %																	2.71
25	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 1/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 1/8	5/8	2 3/8	2 1/4																	0.97

COUNTY:

STANDARD SIGN R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch

 f_{or} State Traffic Engineer

3/14 PLATE NO. R1-2.12

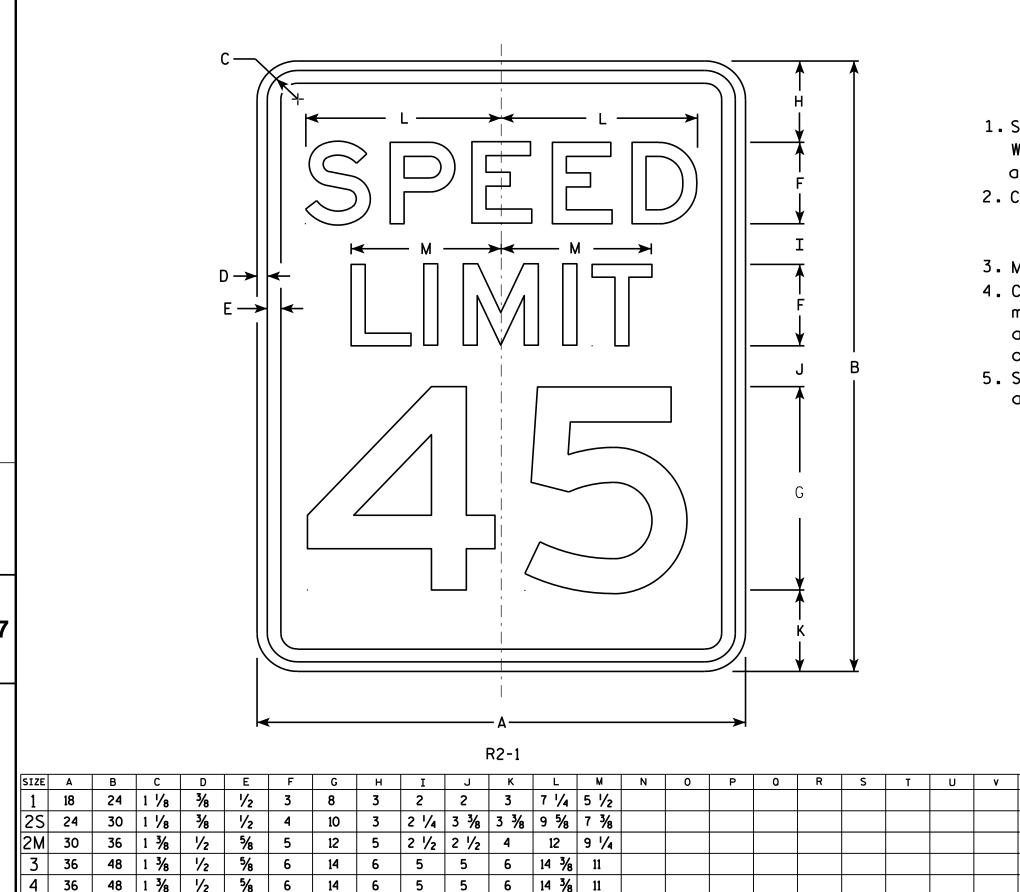
DATE 10/13/14 PLA

SHEET NO:

311221

PROJECT NO:

HWY:



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

- 3. Message Series E
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal. the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

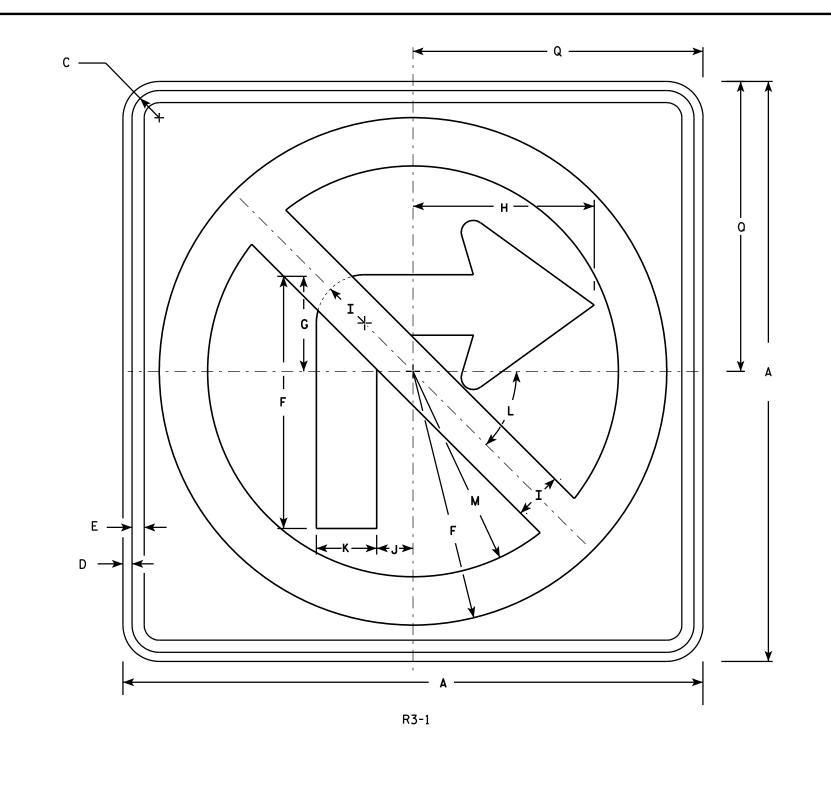
60

5

48

PROJECT NO:

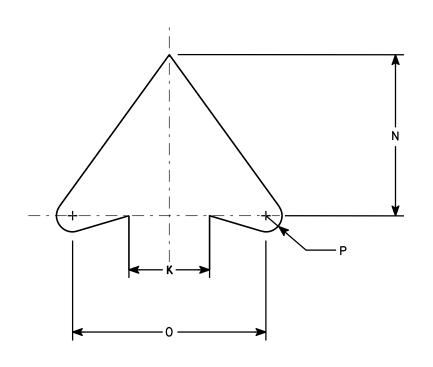
PLOT NAME :



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

Background - White Message - See note 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45 °	8 1/2	5	6	1/2	12										4.0
2M	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 %	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 %	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0
PRO	JECT	NO:			·		ŀ	HWY:	·			·	СО	UNTY:			·			·		·	·			·	

STANDARD SIGN R3-1

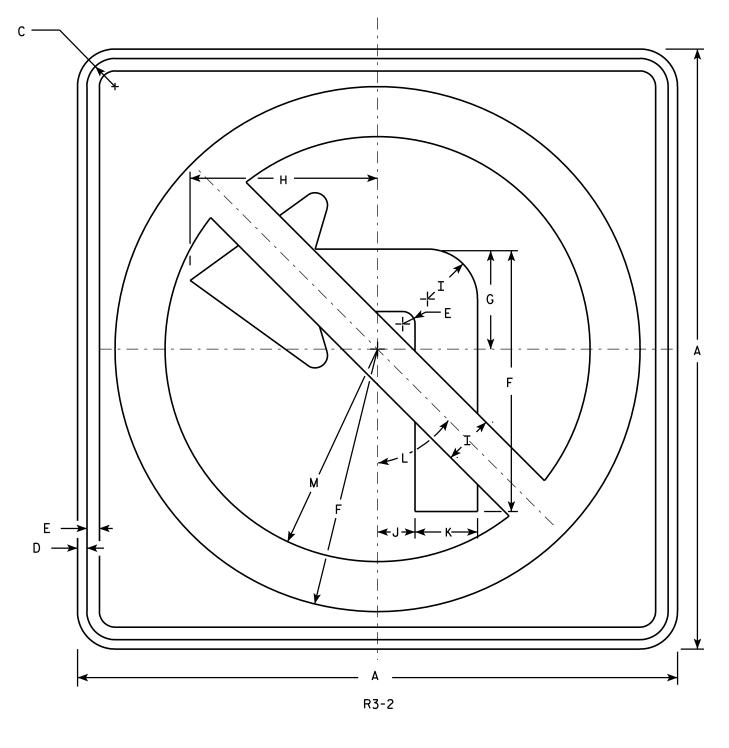
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

DATE12/08/10

PLATE NO. __R3-1.5

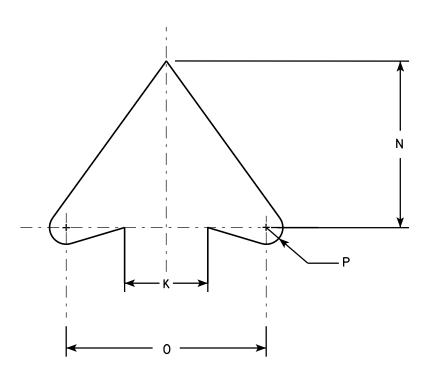
SHEET NO:



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

Background - White Message - See note 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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	₩	X	Y	Z	Area sq. ft.
1	24		1 1/8	3⁄8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	9	1/2											4.0
2M	36		1 1/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 1/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 1/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $f_{\it or}$ State Traffic Engineer

DATE 12/08/10

PLATE NO. R3-2.10

SHEET NO:

HWY:

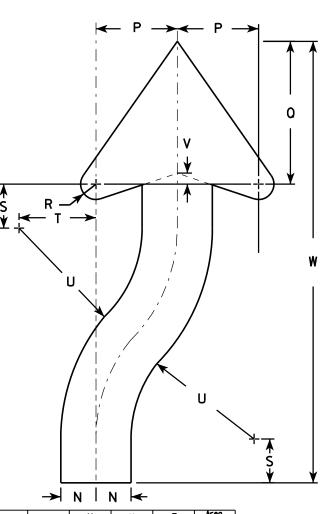
PROJECT NO:

PLOT NAME :

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:

Background - White Message - Black

- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

																							→	N I	N 		
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Arec sq. f
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5%	1 %	3 1/4	6 3/4	1/2	20 3/8				3.0
25	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 %	3	8	4	12 1/2	2	30	4 %	8 1/8	1 / ₈	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2N	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7 ⁄8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 ¾	18	1 1/4	50 1/4				20.

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer
3/25/2011 PLATE NO. R4-

DATE 3/25/2011 PLATE NO. R4-7.8

SHEET NO:

PROJECT NO:

D→

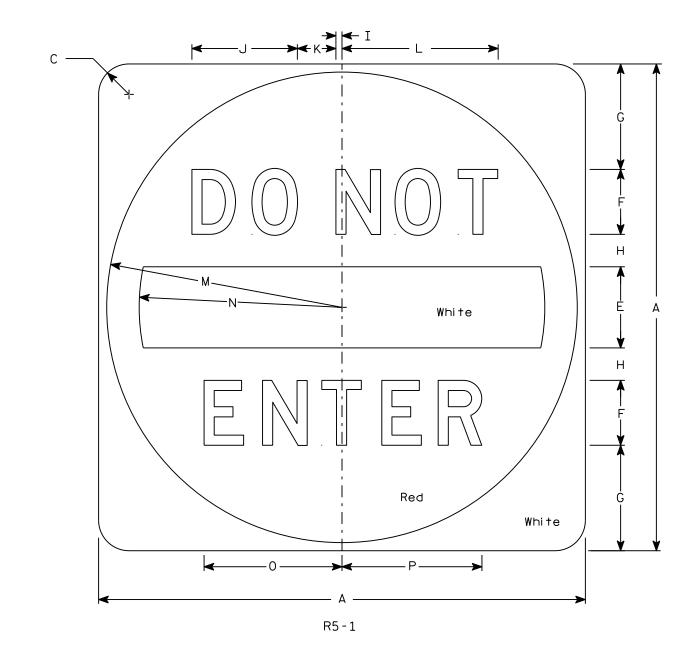
HWY:

PLOT BY: mscsja

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

Background - See detail Message - White

3. Message Series - D



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	Υ	Z	Area sq. ft.
1																											
25	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 %											6.25
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 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	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 ¾											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

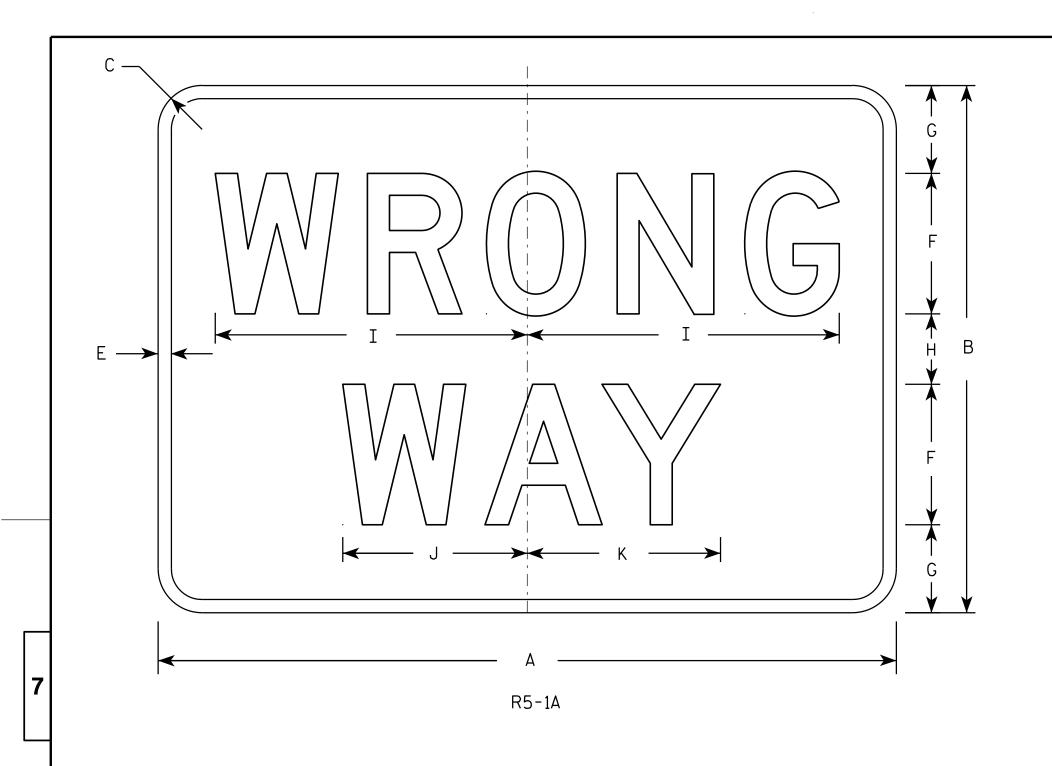
DATE <u>3/15/18</u>

8 PLATE NO. R5-1.16
SHEET NO:

PLOT SCALE : 5.914594:1.000000

HWY:

PROJECT NO:



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

Background - Red Message - White

- 3. Message Series 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	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 ½	6 %																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 ¾	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2	·	3/4	8	5	4	17 3/4	10 1/2	11	·		·													8.75

COUNTY:

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

Matther R Raud PLATE NO. R5-1A.2

DATE 12/17/10

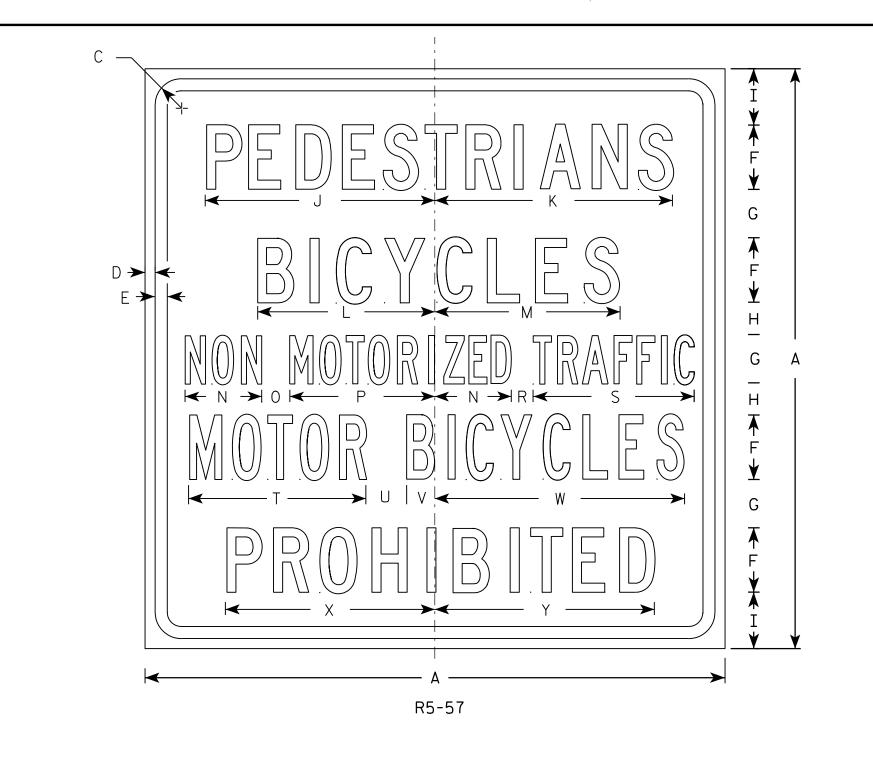
SHEET NO:

PROJECT NO:

HWY:

PLOT BY: dotsja

PLOT NAME :



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

Background - White Message - Black

- 3. Message Series Lines 1, 2, and 5 are Series C. Lines 3 and 4 are Series B.
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE 2M 3 4 5/8 3 1/2 14 1/4 14 7/8 11 11 1/2 4 3/4 1 3/4 1 3/8 2 1/2 1 3/4 15 1/2 13 36 1 5/8 3/4 3 1 1 13 % 9.0 4 11 1/2 4 3/4 1 3/4 5 3 $3 \frac{1}{2} 14 \frac{1}{4} 14 \frac{7}{8} 11$ $1\frac{3}{8}$ 2 1/2 1 3/4 | 15 1/2 36 2 13 9.0 11

COUNTY:

STANDARD SIGN R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

DATE 3/29/2011 PLATE NO. R5-57.10

SHEET NO:

PROJECT NO:

HWY:

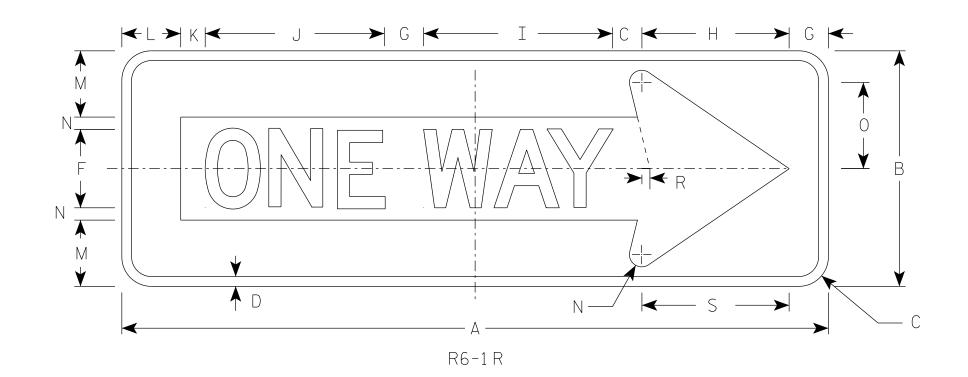
PLOT NAME :

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

Background - BLACK

Message - BLACK LEGEND & WHITE ARROW & BORDER

3. Message Series - D



	> (<u> </u>	
	<u> </u>		
R6-	1.1		

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 %	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 %	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 %	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \emph{for} State Traffic Engineer

SHEET NO:

DATE <u>07/11/18</u>

PLATE NO. <u>R6-1.3</u>

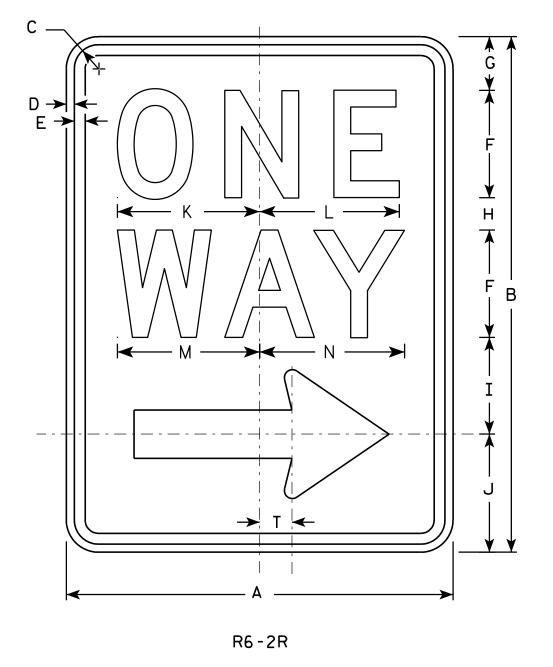
PLOT DATE: 11-JUL-2018

PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn

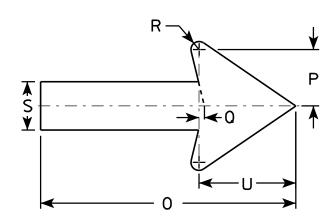
PROJECT NO:



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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 3/4	11 1/8	2 %	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 %	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
5																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R62.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-NOV-2010 15:25

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.469282:1.000000

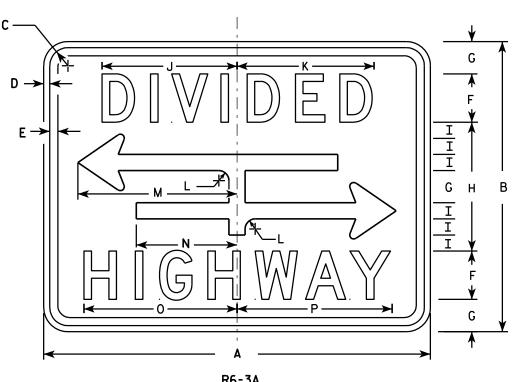
WISDOT/CADDS SHEET 42

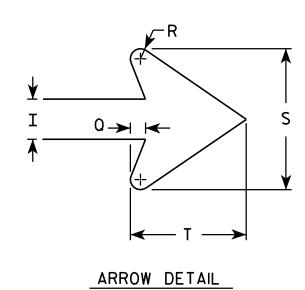
<u>NOTES</u>

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

Background - White Message - Black

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





		_	
D٤	_	₹	٨

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8 8	3 1/2	5/8	9 %	6 1/4	9 1/2	9 %	3∕8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 ¾	1 3/8	10 1/2 1	10 %	1 / ₈	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2 10	10 %	%	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
3																											
4																											
5								·																		·	

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE 3/31/2011 PLATE NO. R6-3.5

SHEET NO:

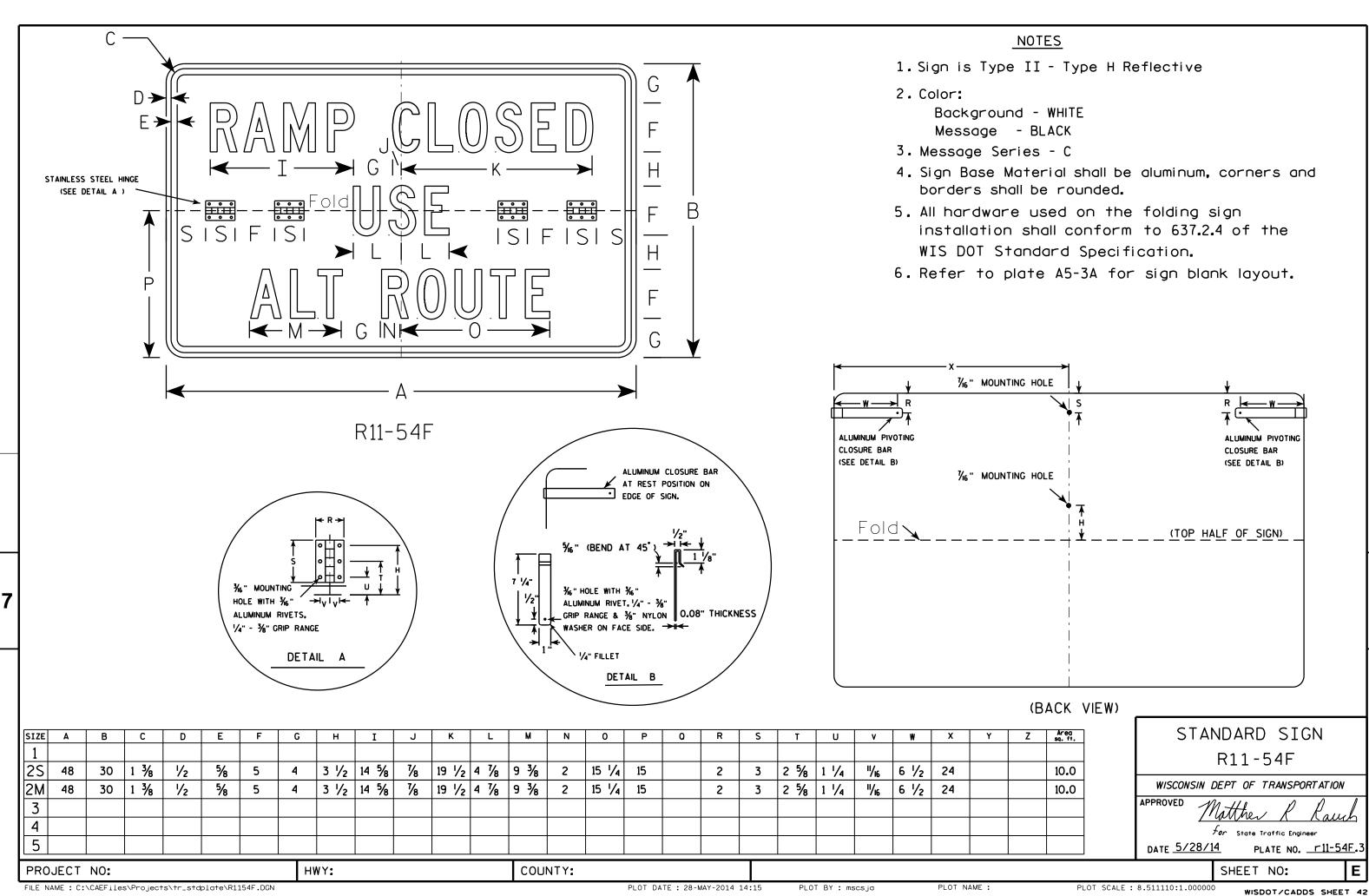
5.959043:1.000000

R6-3

PLOT DATE: 31-MAR-2011 09:08

PLOT BY: mscsja

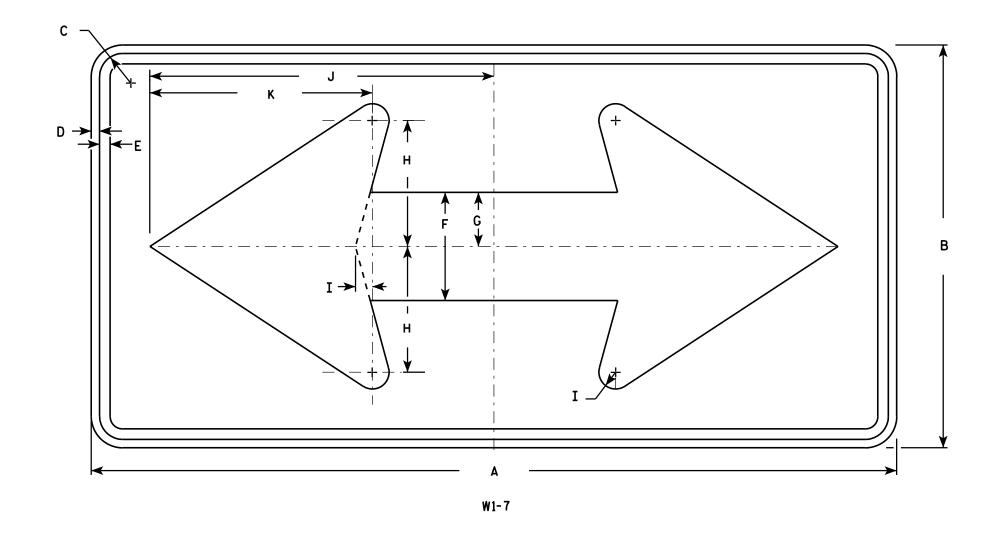
PROJECT NO:



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

Background - Yellow Message - Black

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Area sq. ft.
1	36	18	1 1/8	3∕8	1/2	5	2 1/2	5 ¾	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/3	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

COUNTY:

STANDARD SIGN W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W17.DGN

PROJECT NO:

HWY:

PLOT DATE: 07-JUN-2010 12:35

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.720679:1.000000

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 - Yellow Message - Black

3. Message Series - E

W10	D-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30			3⁄8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
2M	36			5/8	₹4	8	4	45°	14 3/8	8 %	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 %	5	2 1/2															12.57
5																											

COUNTY:

STANDARD SIGN W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/13/13 State Traffic Engineer PLATE NO. W10-1.8

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W101.DGN

PROJECT NO:

HWY:

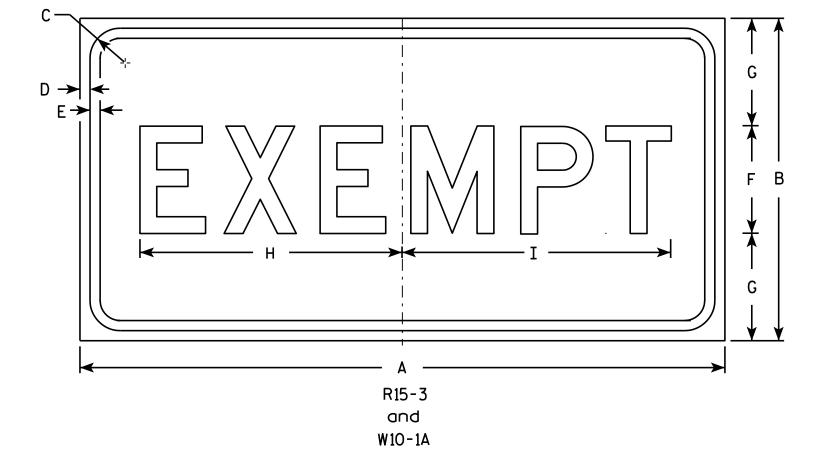
PLOT DATE: 13-MAR-2013 11:06

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 6.946657:1.000000

: 6.946657:1.000000 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 - See Note 5 Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Background R15-3 is White Type H Reflective W10-1A is Yellow.

I																											
SIZE	Α	В	С	D	E	F	G	H	I	J	K	L	M	N	0	P	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Kauch

For State Traffic Engineer
3/13/13 PLATE NO. R15-3.7

DATE 3/13/13

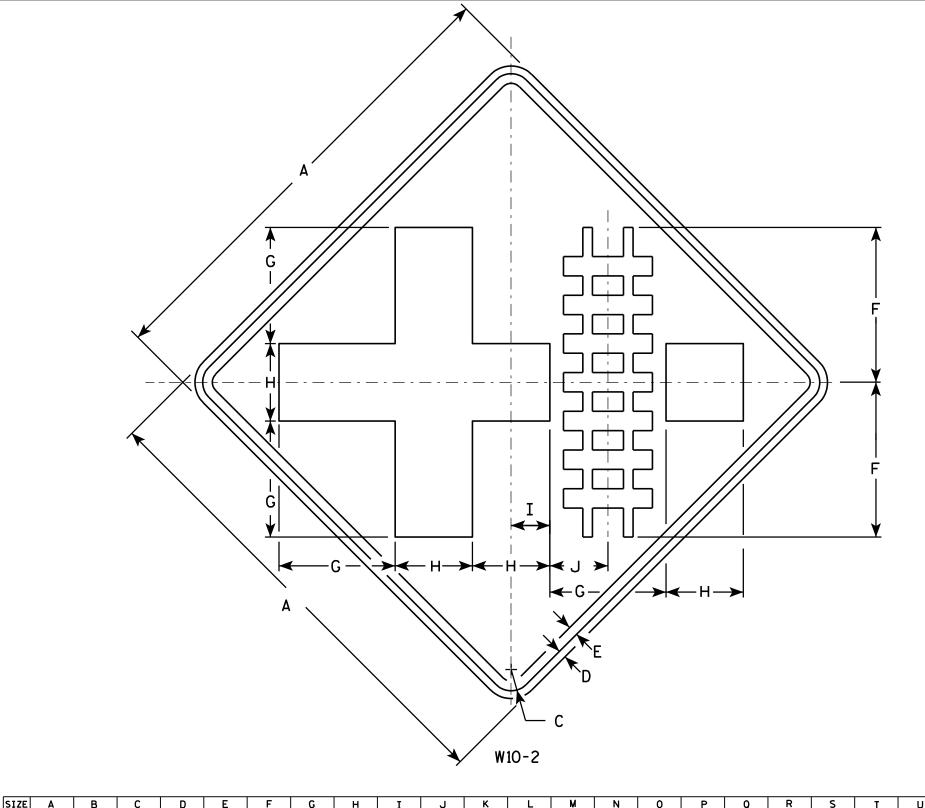
SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscj9h

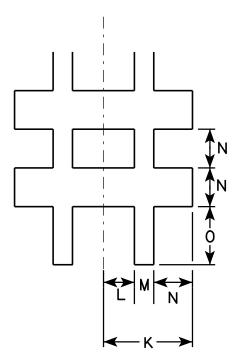
PLOT NAME :



- 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.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 1/8	1	5/8	1 1/4	1 %												6.25
25	36		1 1/8	5/8	3/4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		1 %	5/8	3/4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		1 %	5⁄8	₹4	12	9	6	3	4 1/2	3 %	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		2 1/4	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

COUNTY:

STANDARD SIGN W10-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED $f_{\it or}$ State Traffic Engineer PLATE NO. W10-2.8

DATE 3/13/13

SHEET NO:

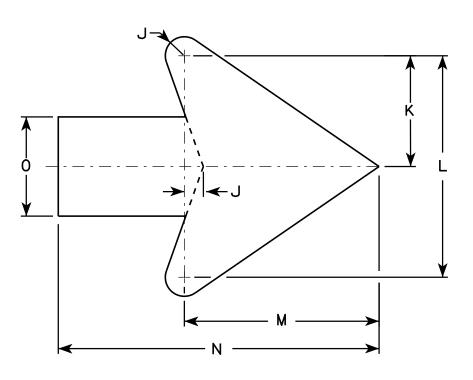
HWY:

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 - 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.



Arrow Detail

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	M	N	0	Ρ	0	R	S	T	U	V	W	X	Y	Z	Areo sq. fi.
1																											
25	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 1/8	3/4	4 1/2	9	7 1/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 ½	10 1/8	9 %	15 ¾	4 3/4												9.0
5	48		2 1/4	₹4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

COUNTY:

W12-1D

STANDARD SIGN W12-1D

WISCONSIN DEPT OF TRANSPORTATION

Fer State Traffic Engineer DATE 3/13/13 PLATE NO. W12-1D.15

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN

PROJECT NO:

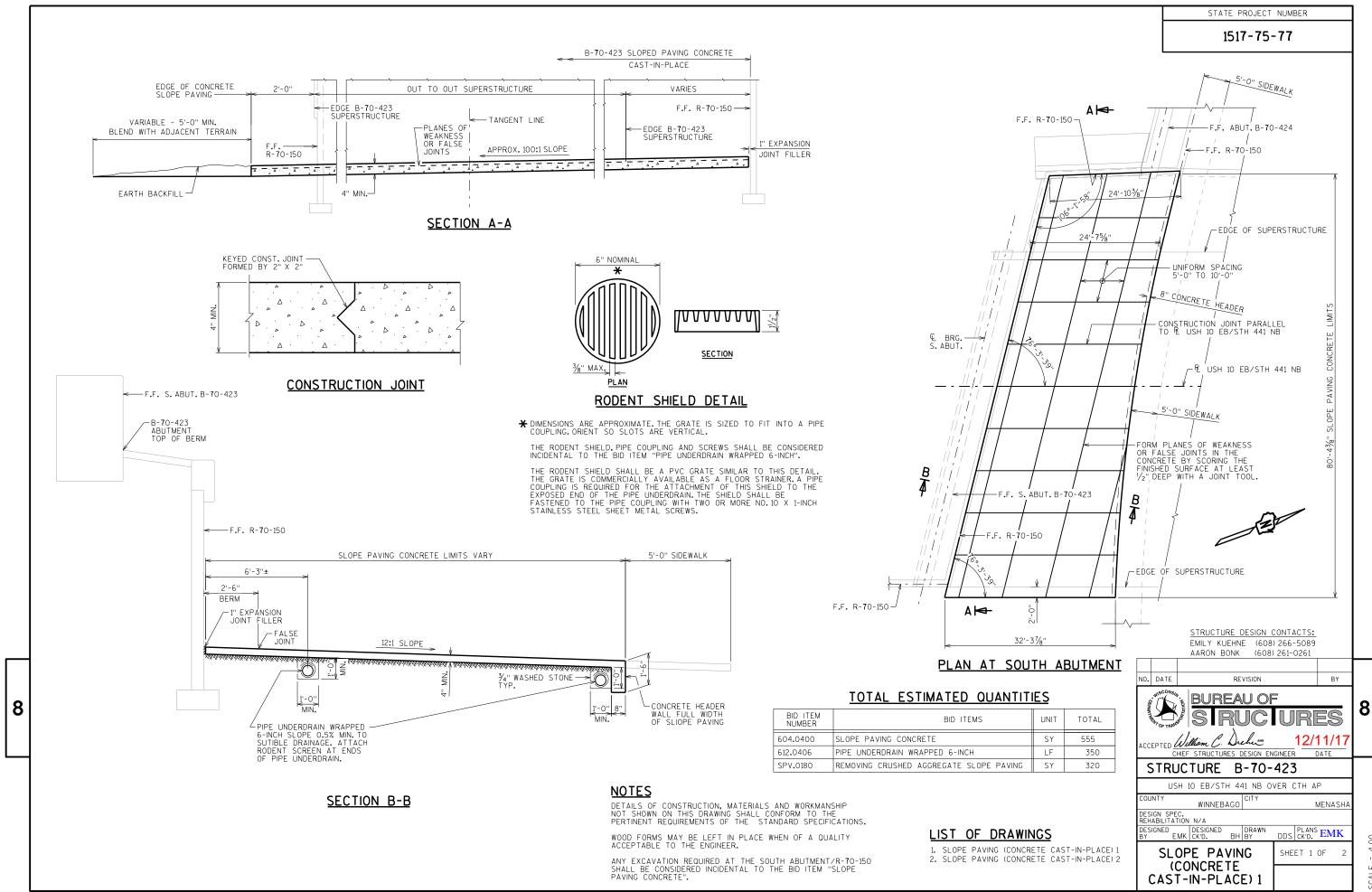
HWY:

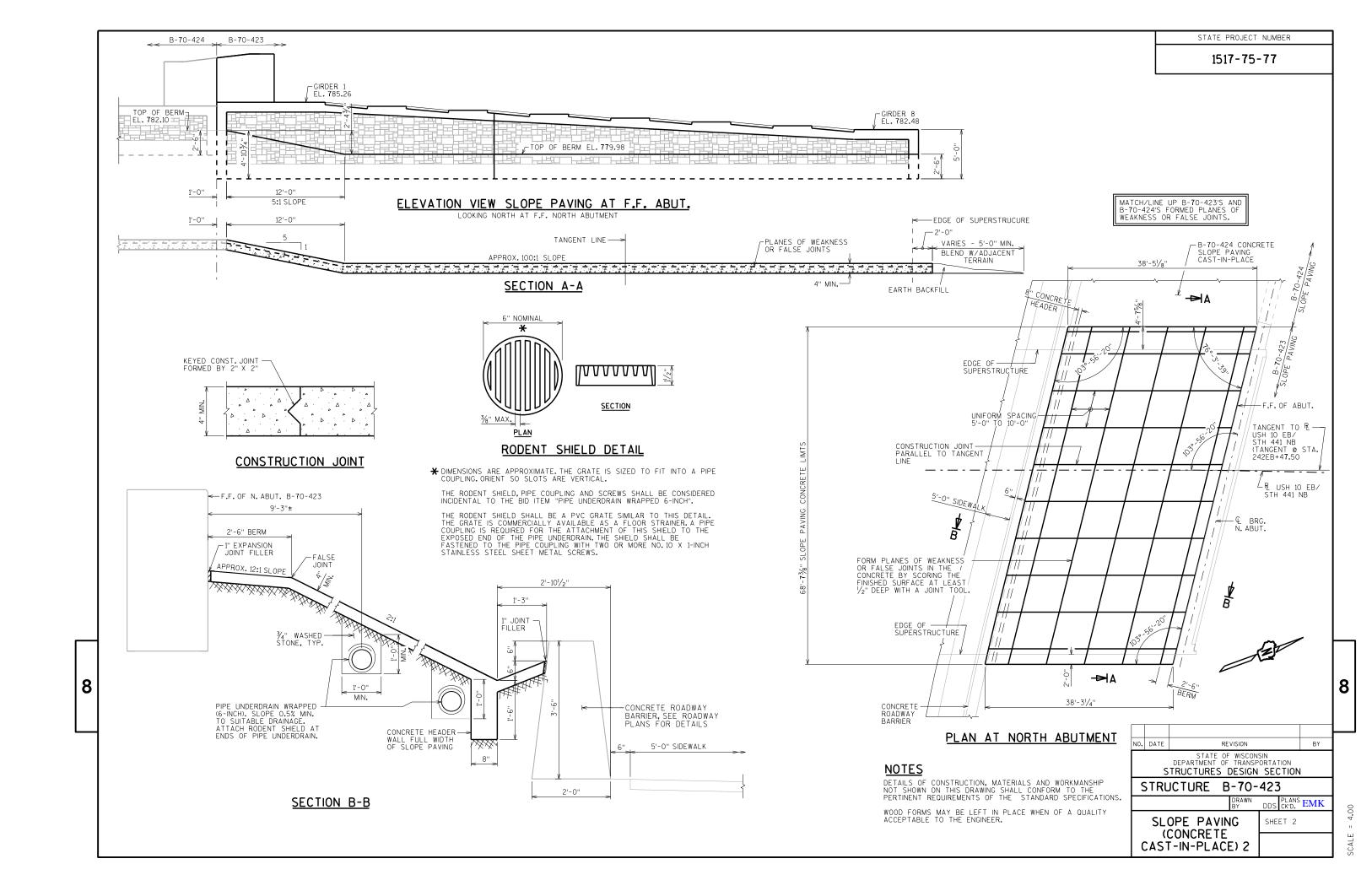
PLOT DATE: 13-MAR-2013 13:26

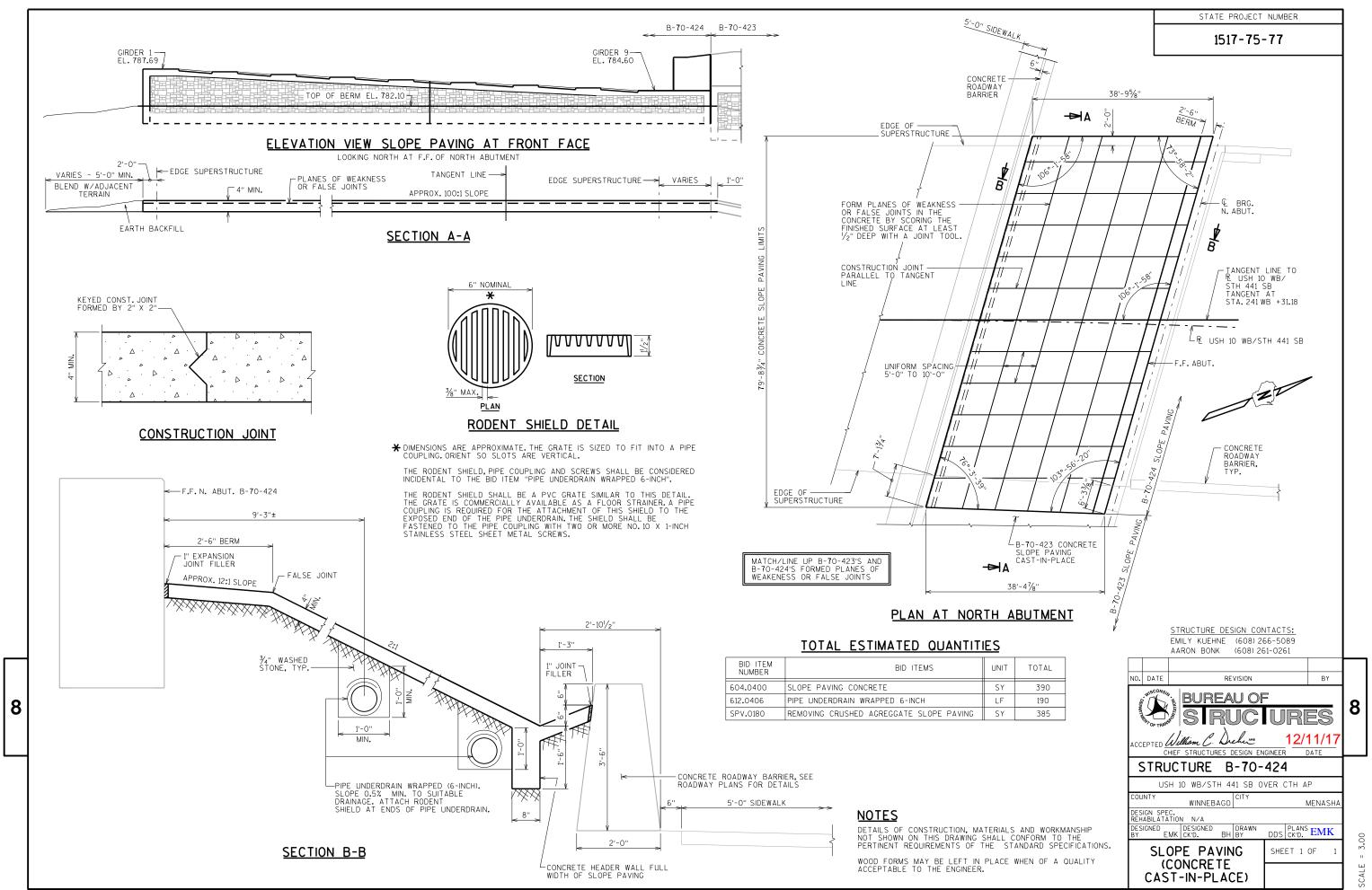
PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 4.713802:1.000000







			AREA (S	SF)		Incre	emental Vol (CY) (Unac	djusted)	С	umulative Vo	ol (CY)
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
10+78.23	1078.23	0.00	250.33	0.00	0.00	0	0	0	0	0	0
11+00	1100.00	21.77	229.21	0.00	0.00	193	0	0	193	0	193
11+25	1125.00	25.00	225.92	0.00	0.00	211	0	0	404	0	404
11+50	1150.00	25.00	217.10	0.00	0.00	205	0	0	609	0	609
11+75	1175.00	25.00	214.46	0.00	0.00	200	0	0	809	0	809
12+00	1200.00	25.00	214.94	0.00	0.00	199	0	0	1,008	0	1,008
12+25	1225.00	25.00	227.60	0.00	0.01	205	0	0	1,213	0	1,213
12+50	1250.00	25.00	248.65	0.00	0.00	220	0	0	1,433	0	1,433
12+75	1275.00	25.00	285.49	0.00	0.00	247	0	0	1,680	0	1,680
13+00	1300.00	25.00	317.00	0.00	0.00	279	0	0	1,959	0	1,959
13+25	1325.00	25.00	341.26	0.00	0.00	305	0	0	2,264	0	2,264
13+50	1350.00	25.00	341.61	0.00	0.33	316	0	0	2,580	0	2,580
13+75	1375.00	25.00	354.46	0.00	0.00	322	0	0	2,902	0	2,902
14+00	1400.00	25.00	369.43	0.00	0.00	335	0	0	3,238	0	3,237
14+25	1425.00	25.00	393.07	0.00	0.00	353	0	0	3,591	0	3,590
14+50	1450.00	25.00	428.71	0.00	0.00	380	0	0	3,971	0	3,971
14+75	1475.00	25.00	464.18	0.00	0.00	413	0	0	4,384	0	4,384
15+00	1500.00	25.00	492.54	0.00	0.00	443	0	0	4,827	0	4,827
15+25	1525.00	25.00	529.59	0.00	0.00	473	0	0	5,301	0	5,300
15+50	1550.00	25.00	558.28	0.00	0.00	504	0	0	5,804	0	5,804
15+75	1575.00	25.00	584.21	0.00	0.00	529	0	0	6,333	0	6,333
16+00	1600.00	25.00	609.30	0.00	0.01	553	0	0	6,886	0	6,885
16+25	1625.00	25.00	622.05	0.00	0.13	570	0	0	7,456	0	7,455
16+50	1650.00	25.00	618.08	0.00	0.00	574	0	0	8,030	0	8,029
16+75	1675.00	25.00	581.67	0.00	0.00	555	0	0	8,585	0	8,585
17+00	1700.00	25.00	540.81	0.00	0.00	520	0	0	9,105	0	9,105
17+25	1725.00	25.00	695.83	0.00	0.00	573	0	0	9,678	0	9,677
17+50	1750.00	25.00	645.36	0.00	0.00	621	0	0	10,298	0	10,298
17+75	1775.00	25.00	636.40	0.00	0.00	593	0	0	10,892	0	10,891
18+00	1800.00	25.00	716.70	0.00	0.00	626	0	0	11,518	0	11,518
18+25	1825.00	25.00	498.40	0.00	0.00	563	0	0	12,081	0	12,080
18+50	1850.00	25.00	526.13	0.00	0.00	474	0	0	12,555	0	12,555
18+75	1875.00	25.00	488.43	0.00	0.00	470	0	0	13,025	0	13,024
19+00	1900.00	25.00	348.46	0.00	0.00	387	0	0	13,412	0	13,412
19+25	1925.00	25.00	348.62	0.00	1.67	323	0	1	13,735	1	13,734
19+50	1950.00	25.00	293.57	0.00	12.46	297	0	7	14,032	8	14,025
19+75	1975.00	25.00	449.83	0.00	16.36	344	0	13	14,377	21	14,355
20+00	2000.00	25.00	387.91	0.00	2.40	388	0	9	14,764	30	14,735
20+25	2025.00	25.00	340.04	0.00	3.78	337	0	3	15,101	33	15,069
20+50	2050.00	25.00	785.55	0.00	0.00	521	0	2	15,622	34	15,588

| 9

PROJECT NO:1517-75-77

E

9

HWY:STH 441/USH 10

COUNTY: WINNEBAGO

EARTHWORK QUANTITIES

SHEET

Division 1 - Midway Road (MEB) Continued

				AREA (SF)		Incre	emental Vol (CY) (Unac	djusted)	С	umulative Vo	ol (CY)
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
20+75	2075.00	25.00	652.81	0.00	0.01	666	0	0	16,288	34	16,254
21+00	2100.00	25.00	437.82	0.00	0.63	505	0	0	16,793	35	16,759
21+25	2125.00	25.00	412.23	0.00	0.28	394	0	0	17,187	35	17,152
21+50	2150.00	25.00	294.38	0.00	2.12	327	0	1	17,514	36	17,478
21+75	2175.00	25.00	288.67	0.00	2.01	270	0	2	17,784	38	17,746
22+00	2200.00	25.00	648.06	0.00	1.78	434	0	2	18,218	40	18,178
22+25	2225.00	25.00	489.80	0.00	25.17	527	0	12	18,744	52	18,692
22+50	2250.00	25.00	357.56	0.00	7.99	392	0	15	19,137	68	19,069
22+75	2275.00	25.00	329.76	0.00	2.53	318	0	5	19,455	73	19,382
23+00	2300.00	25.00	323.79	0.00	0.00	303	0	1	19,757	74	19,684
23+25	2325.00	25.00	313.88	0.00	0.62	295	0	0	20,053	74	19,979
23+48.91	2348.91	23.91	303.27	0.00	0.00	273	0	0	20,326	74	20,252
23+75	2375.00	26.09	268.67	0.00	0.00	276	0	0	20,602	74	20,528
24+00	2400.00	25.00	250.66	0.00	4.37	240	0	2	20,843	76	20,766
24+25	2425.00	25.00	271.46	0.00	29.71	242	0	16	21,084	92	20,992
24+50	2450.00	25.00	204.64	0.00	50.24	220	0	37	21,305	129	21,176
24+75	2475.00	25.00	172.50	0.00	24.84	175	0	35	21,479	164	21,315
25+00	2500.00	25.00	230.18	0.00	30.63	186	0	26	21,666	190	21,476
25+25	2525.00	25.00	251.35	0.00	11.45	223	0	19	21,889	209	21,680
25+50	2550.00	25.00	248.79	0.00	6.30	232	0	8	22,120	217	21,903
25+75	2575.00	25.00	218.96	0.00	11.72	217	0	8	22,337	226	22,111
26+00	2600.00	25.00	226.95	0.00	5.36	206	0	8	22,543	234	22,310
26+25	2625.00	25.00	226.27	0.00	0.50	210	0	3	22,753	236	22,517
26+50	2650.00	25.00	223.61	0.00	0.02	208	0	0	22,961	237	22,725
26+75	2675.00	25.00	246.43	0.00	6.58	218	0	3	23,179	240	22,939
27+00	2700.00	25.00	316.91	0.00	1.09	261	0	4	23,440	243	23,197
27+25	2725.00	25.00	231.52	0.00	0.00	254	0	1	23,694	244	23,450
27+50	2750.00	25.00	220.47	0.00	0.14	209	0	0	23,903	244	23,659
27+75	2775.00	25.00	223.27	0.00	0.03	205	0	0	24,108	244	23,865
28+00	2800.00	25.00	216.35	0.00	0.24	204	0	0	24,312	244	24,068
28+25	2825.00	25.00	207.28	0.00	0.20	196	0	0	24,508	244	24,264
28+50	2850.00	25.00	184.85	0.00	0.53	182	0	0	24,690	244	24,445
28+75	2875.00	25.00	180.09	0.00	0.84	169	0	1	24,859	245	24,613
29+00	2900.00	25.00	189.45	0.00	0.00	171	0	0	25,030	245	24,784
29+25	2925.00	25.00	180.51	0.00	0.00	171	0	0	25,201	245	24,955
29+50	2950.00	25.00	174.82	0.00	0.09	165	0	0	25,365	246	25,120
29+75	2975.00	25.00	154.12	0.00	0.00	152	0	0	25,518	246	25,272
29+76	2976.00	1.00	146.47	0.00	0.00	6	0	0	25,523	246	25,278
	•			COLUMN	TOTALS	25,523	0	246		•	•

9

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

SHEET PROJECT NO:1517-75-77 HWY:STH 441/USH 10 Ε COUNTY: WINNEBAGO EARTHWORK QUANTITIES

9

Division 2 - Racine Road (R)

				AREA (SF)		Increme	ntal Vol (CY) (Unadju	sted)		Cumulative	Vol (CY)
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
37+35.61	3735.61	0.00	0.00	0.00	0.00	0	0	0	0	0	0
37+50	3750.00	14.39	0.00	0.00	0.00	0	0	0	0	0	0
37+75	3775.00	25.00	94.72	15.00	8.30	44	7	4	44	4	33
38+00	3800.00	25.00	83.27	15.00	9.57	82	14	8	126	12	93
38+25	3825.00	25.00	75.22	15.00	17.39	73	14	12	200	25	140
38+50	3850.00	25.00	73.49	15.00	18.32	69	14	17	268	41	179
38+75	3875.00	25.00	72.71	15.00	20.42	68	14	18	336	59	215
39+00	3900.00	25.00	73.91	15.00	21.36	68	14	19	404	78	249
39+25	3925.00	25.00	78.33	15.00	19.18	70	14	19	475	97	287
39+50	3950.00	25.00	86.25	15.00	20.60	76	14	18	551	116	331
39+75	3975.00	25.00	93.98	15.00	33.26	83	14	25	634	141	376
40+00	4000.00	25.00	100.83	15.00	71.84	90	14	49	724	189	403
40+25	4025.00	25.00	111.66	15.00	66.27	98	14	64	823	253	424
40+50	4050.00	25.00	134.67	15.00	45.48	114	14	52	937	305	472
40+75	4075.00	25.00	172.00	15.00	1.28	142	14	22	1,079	327	579
41+00	4100.00	25.00	177.72	15.00	11.58	162	14	6	1,241	332	721
41+25	4125.00	25.00	204.69	15.00	9.31	177	14	10	1,418	342	874
41+50	4150.00	25.00	219.86	15.00	0.00	197	14	4	1,614	346	1,053
41+75	4175.00	25.00	223.00	15.00	0.00	205	14	0	1,819	346	1,244
42+00	4200.00	25.00	222.79	15.00	0.00	206	14	0	2,026	346	1,436
42+25	4225.00	25.00	235.34	15.00	0.15	212	14	0	2,238	347	1,634
42+50	4250.00	25.00	270.87	15.00	1.40	234	14	1	2,472	347	1,854
42+75	4275.00	25.00	338.79	15.00	0.08	282	14	1	2,754	348	2,122
43+00	4300.00	25.00	354.79	15.00	0.04	321	14	0	3,075	348	2,429
43+25	4325.00	25.00	374.90	15.00	0.00	338	14	0	3,413	348	2,753
43+50	4350.00	25.00	295.27	15.00	0.00	310	14	0	3,724	348	3,049
43+75	4375.00	25.00	195.60	15.00	0.76	227	14	0	3,951	348	3,262
44+00	4400.00	25.00	168.16	15.00	5.42	168	14	3	4,119	351	3,414
44+25	4425.00	25.00	153.47	15.00	9.29	149	14	7	4,268	358	3,542
44+50	4450.00	25.00	143.28	15.00	13.09	137	14	10	4,405	368	3,655
44+75	4475.00	25.00	134.55	15.00	15.53	129	14	13	4,534	382	3,757
45+00	4500.00	25.00	132.15	15.00	0.48	123	14	7	4,658	389	3,859
45+25	4525.00	25.00	125.93	15.00	14.65	119	14	7	4,777	396	3,957

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PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO EARTHWORK QUANTITIES SHEET E

9

Division 2 - Racine Road (R) Continued

				AREA (SF)		Increme	ntal Vol (CY) (Unadjus	sted)	(Cumulative	Vol (CY)
		-		Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
45+50	4550.00	25.00	120.76	15.00	12.18	114	14	12	4,891	408	4,045
45+75	4575.00	25.00	115.52	15.00	10.79	109	14	11	5,001	419	4,130
46+00	4600.00	25.00	114.00	15.00	13.40	106	14	11	5,107	430	4,211
46+25	4625.00	25.00	117.70	15.00	18.89	107	14	15	5,214	445	4,290
46+50	4650.00	25.00	117.75	15.00	0.49	109	14	9	5,323	454	4,376
46+75	4675.00	25.00	112.35	15.00	25.64	107	14	12	5,430	466	4,457
47+00	4700.00	25.00	107.74	15.00	34.13	102	14	28	5,532	494	4,517
47+25	4725.00	25.00	105.80	15.00	32.11	99	14	31	5,630	525	4,571
47+50	4750.00	25.00	113.32	15.00	12.98	101	14	21	5,732	545	4,638
47+75	4775.00	25.00	110.28	15.00	13.81	104	14	12	5,835	558	4,715
48+00	4800.00	25.00	109.66	15.00	15.10	102	14	13	5,937	571	4,790
48+25	4825.00	25.00	88.74	15.00	7.32	92	14	10	6,029	582	4,857
48+50	4850.00	25.00	84.10	15.00	8.39	80	14	7	6,109	589	4,916
48+75	4875.00	25.00	81.07	15.00	7.15	76	14	7	6,186	596	4,971
49+00	4900.00	25.00	78.90	15.00	8.23	74	14	7	6,260	603	5,024
49+25	4925.00	25.00	76.29	15.00	9.49	72	14	8	6,332	611	5,074
49+50	4950.00	25.00	74.87	15.00	7.40	70	14	8	6,402	619	5,123
49+75	4975.00	25.00	0.00	0.00	0.00	35	7	3	6,436	623	5,147
50+00	5000.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
50+25	5025.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
50+50	5050.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
50+75	5075.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
51+00	5100.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
51+25	5125.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
51+50	5150.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
51+75	5175.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
52+00	5200.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
52+25	5225.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
52+50	5250.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
52+75	5275.00	25.00	0.00	0.00	0.00	0	0	0	6,436	623	5,147
				COLUMN TO	TALS	6,436	667	623			

Notes:

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- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

PROJECT NO: 1517-75-77 COUNTY: WINNEBAGO SHEET HWY:STH 441/USH 10 EARTHWORK QUANTITIES Ε

Division 3 - Midway Road NE Ramp (MNE)

				AREA (SF)		Incren	nental Vol (CY) (Unadj	usted)		Cumulative	Vol (CY)
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
242+50	24250.00	0.00	202.52	0.00	0.00	0	0	0	0	0	0
242+75	24275.00	25.00	141.57	0.00	0.00	159	0	0	159	0	159
243+00	24300.00	25.00	96.15	0.00	0.38	110	0	0	269	0	269
243+25	24325.00	25.00	94.39	0.00	1.91	88	0	1	358	1	356
243+50	24350.00	25.00	78.71	0.00	7.66	80	0	4	438	6	432
243+75	24375.00	25.00	74.86	0.00	9.61	71	0	8	509	14	495
244+00	24400.00	25.00	70.73	0.00	12.93	67	0	10	576	24	552
244+25	24425.00	25.00	66.50	0.00	19.37	64	0	15	640	39	601
244+50	24450.00	25.00	64.50	0.00	30.54	61	0	23	700	62	638
	•			COLUMN TO	TALS	700	0	62			

Notes:

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

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PROJECT NO:1517-75-77 HWY: STH 441/USH 10 COUNTY: WINNEBAGO EARTHWORK QUANTITIES SHEET **E**

Division 4 - Midway Road NW Ramp (MNW)

				AREA (SF)		Increm	nental Vol (CY) (Unadj	usted)	C	umulative \	Vol (CY)
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
240+59.13	24059.13	0.00	132.60	0.00	124.74	0	0	0	0	0	0
240+75	24075.00	15.87	55.94	0.00	0.06	55	0	37	55	37	19
241+00	24100.00	25.00	49.83	0.00	71.42	49	0	33	104	70	35
241+25	24125.00	25.00	48.02	0.00	87.44	45	0	74	150	143	6
241+49.97	24149.97	24.97	32.92	0.00	86.24	37	0	80	187	224	-37
241+75	24175.00	25.03	39.06	0.00	47.58	33	0	62	220	286	-65
241+96.79	24196.79	21.79	119.62	0.00	9.87	64	0	23	284	309	-24
				COLUMN T	OTALS	284	0	309		•	

Notes:

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

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PROJECT NO:1517-75-77 HWY:STH 441/USH 10 COUNTY:WINNEBAGO EARTHWORK QUANTITIES SHEET E

Division 5 - Midway Road MSE Ramp (MSE)

				AREA (SF)		Increm	ental Vol (CY) (Unadju	Cumulative Vol (CY)		
		Ī		Salvaged/Unusable			Salvaged/Unusable			
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Mass Ordinate
STATION	Real Station	Distance							1.00	
						Note 1	Note 2	Note 3	Note 1	Note 8
239+25	23925.00	0.00	85.53	0.00	0.57	0	0	0	0	0
239+50	23950.00	25.00	88.63	0.00	0.91	81	0	1	81	80
239+75	23975.00	25.00	117.98	0.00	0.14	96	0	0	176	175
240+00	24000.00	25.00	80.86	0.00	0.00	92	0	0	268	267
240+25	24025.00	25.00	115.62	0.00	0.00	91	0	0	359	358
240+50	24050.00	25.00	159.74	0.00	0.00	127	0	0	487	486
240+75	24075.00	25.00	101.37	0.00	0.00	121	0	0	608	606
241+00	24100.00	25.00	95.93	0.00	0.00	91	0	0	699	698
	•			COLUN	IN TOTALS	699	0	1		•

Notes:

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

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Division 6 - Midway Road SW Ramp (MSW)

			AREA (SF)			Incre	emental Vol (CY) (Una	djusted)	Cumulative Vol (CY)			
				Salvaged/Unusable			Salvaged/Unusable			Expanded		
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate	
STATION	Real Station	Distance							1.00	1.00		
						Note 1	Note 2	Note 3	Note 1		Note 8	
240+11.83	24011.83	0.00	109.52	0.00	0.05	0	0	0	0	0	0	
240+25	24025.00	13.17	137.61	0.00	0.01	60	0	0	60	0	60	
240+50	24050.00	25.00	206.81	0.00	0.00	159	0	0	220	0	220	
240+75	24075.00	25.00	219.29	0.00	0.00	197	0	0	417	0	417	
241+00	24100.00	25.00	231.73	0.00	0.00	209	0	0	626	0	626	
241+12.07	24112.07	12.07	238.59	0.00	0.00	105	0	0	731	0	731	
				COLUMN	TOTALS	731	0	0		-		

Notes:

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

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Division 7 - Midway Road NW Bypass Ramp (MNWB)

				AREA (SF)	Increme	ntal Vol (CY) (Unadju	Cumulative Vol (CY)				
				Salvaged/Unusable			Salvaged/Unusable			Expanded	
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
00+49.43	49.43	0.00	374.58	0.00	0.00	0	0	0	0	0	0
00+75	75.00	25.57	478.45	0.00	0.00	404	0	0	404	0	404
01+00	100.00	25.00	313.72	0.00	0.00	367	0	0	771	0	771
01+48.34	148.34	48.34	133.87	0.00	0.00	401	0	0	1,171	0	1,171
	COLUMN TOTALS						0	0		•	

Notes:

- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

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Division 8 - Midway Road SE Bypass Ramp (MSEB)

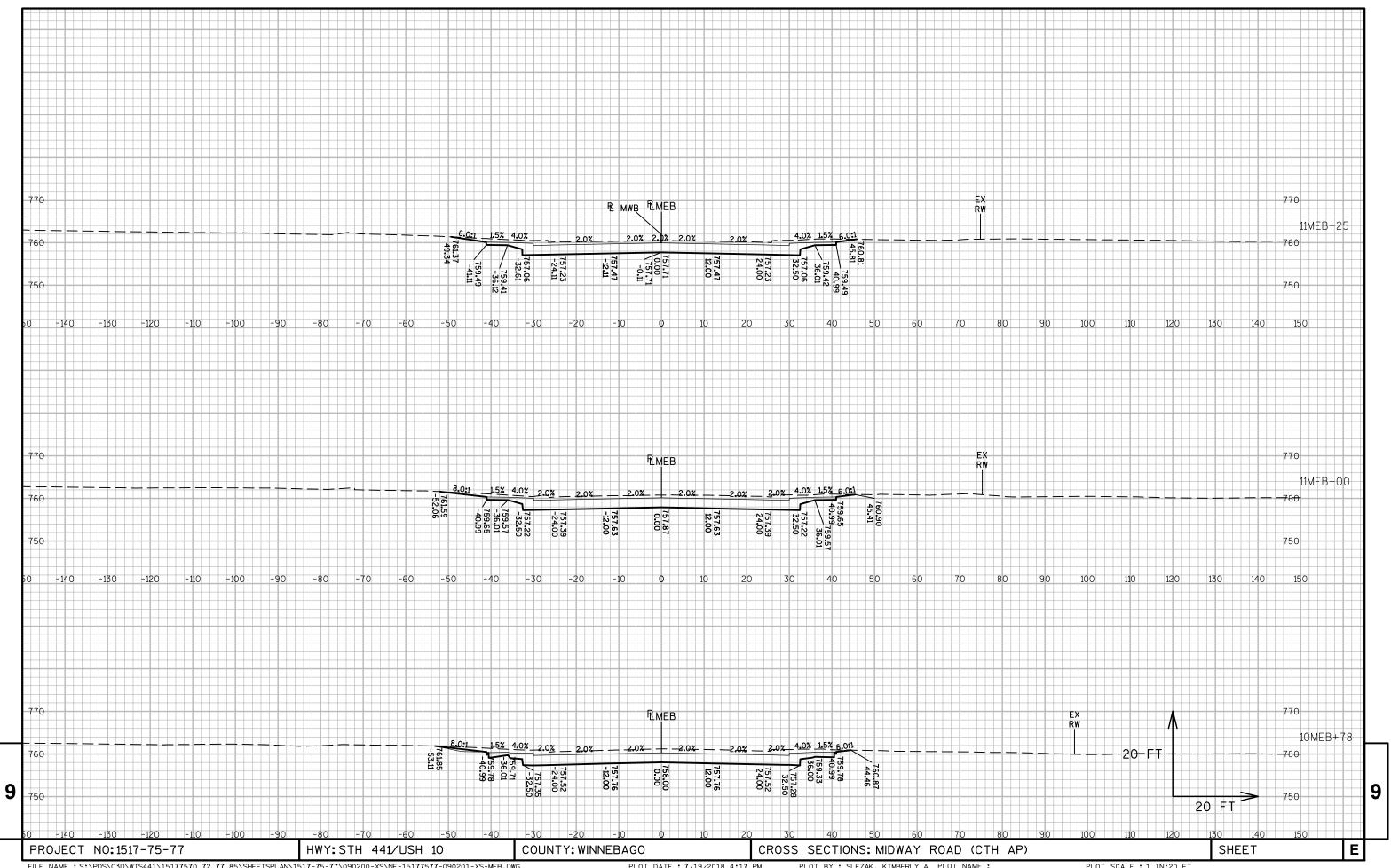
			AREA (SF)			Increm	iental Vol (CY) (Unadj	usted)	Cumulative Vol (CY)		
	Salvaged/Unusable				Salvaged/Unusable			Expanded			
			Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	Cut	Fill	Mass Ordinate
STATION	Real Station	Distance							1.00	1.00	
						Note 1	Note 2	Note 3	Note 1		Note 8
00+00	0.00	0.00	63.88	0.00	0.00	0	0	0	0	0	0
00+50	50.00	50.00	87.33	0.00	0.00	140	0	0	140	0	140
00+75	75.00	25.00	74.00	0.00	0.00	75	0	0	215	0	215
01+00	100.00	25.00	59.68	0.00	0.00	62	0	0	277	0	277
	COLUMN TOTALS						0	0			

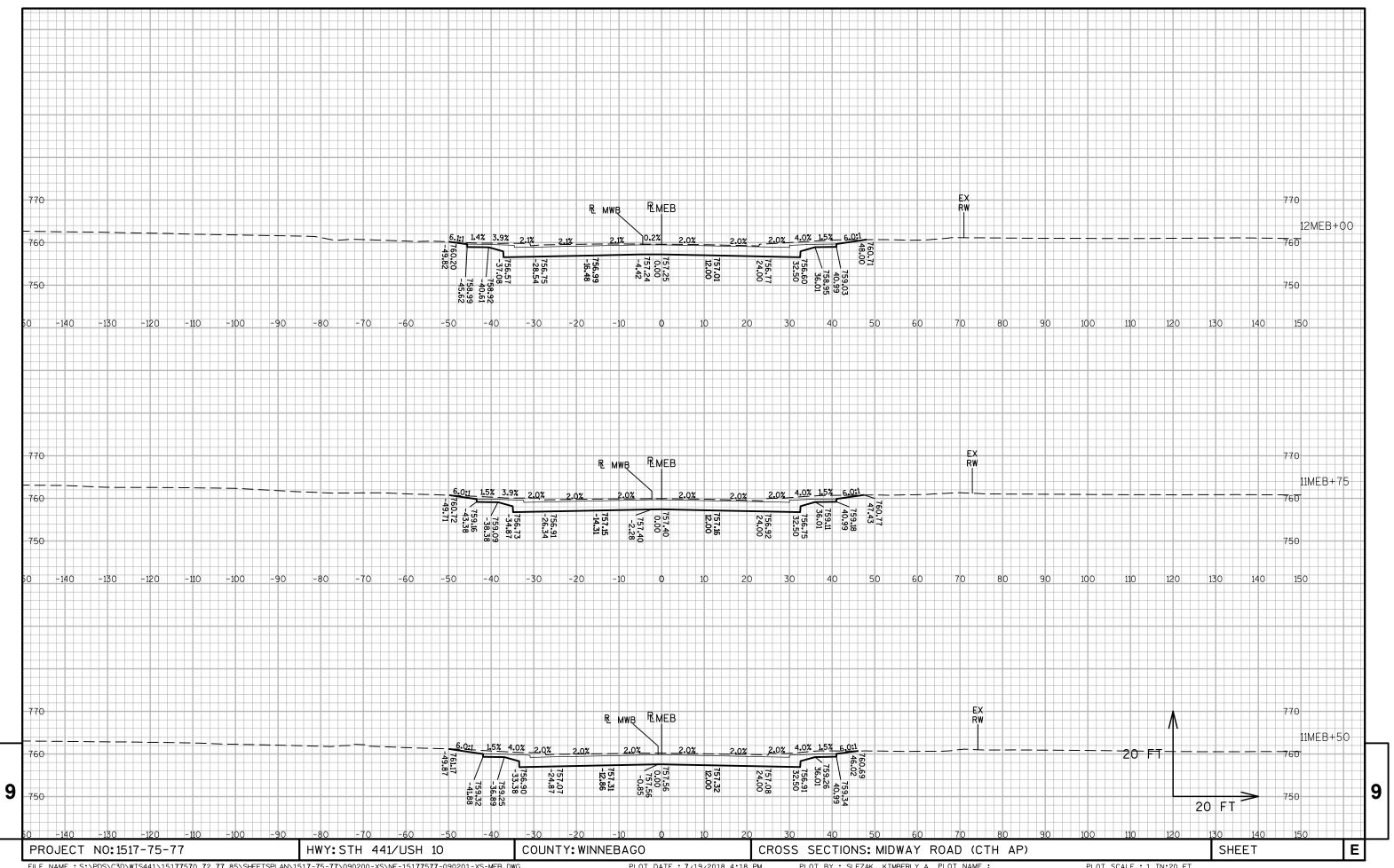
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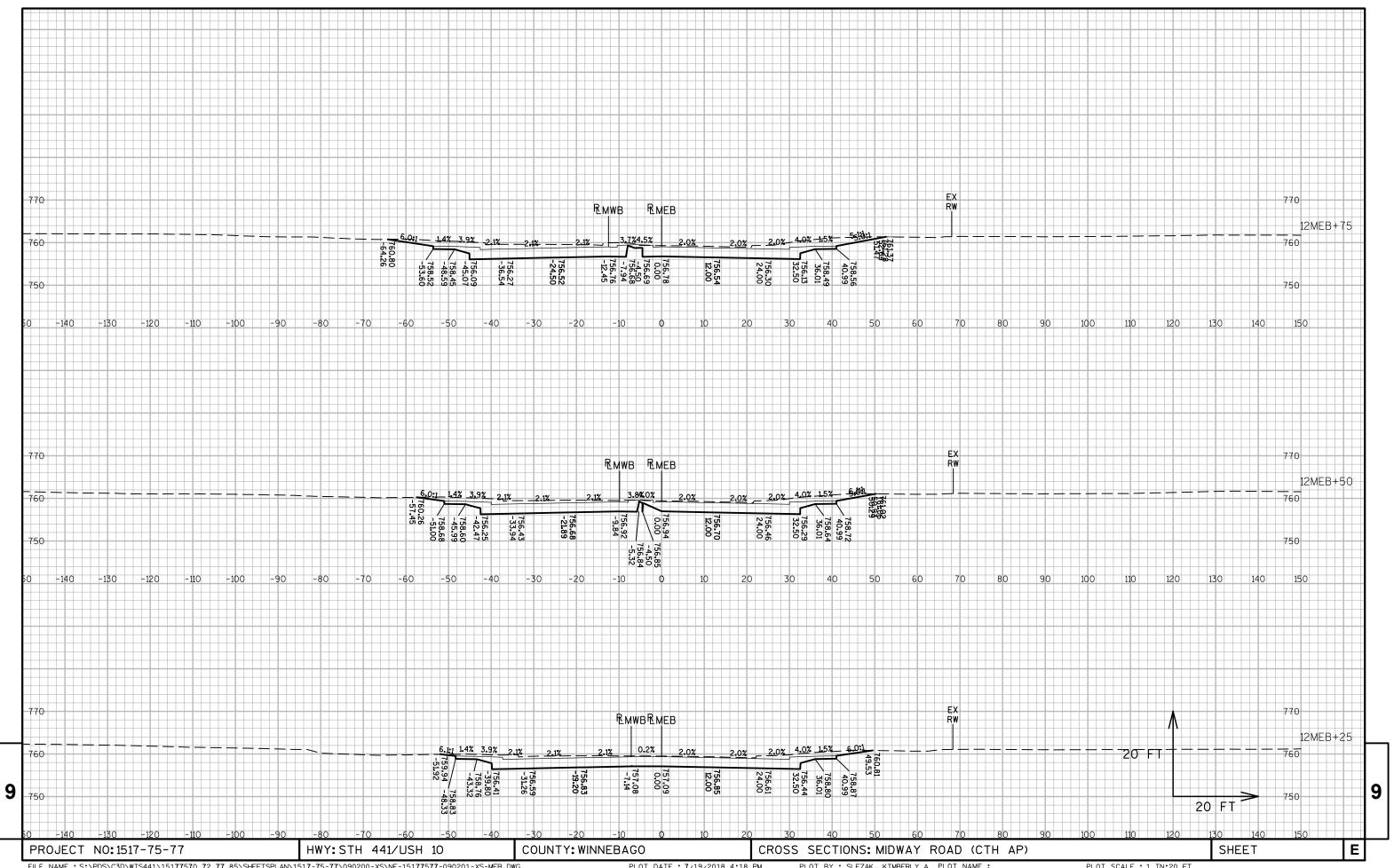
- 1- Cut includes Salvaged/Unusable Pavement material
- 2- Salvaged/Unusable Pavement Material is included in Cut
- 3- Fill Does not include Unusable Pavement Exc volume.

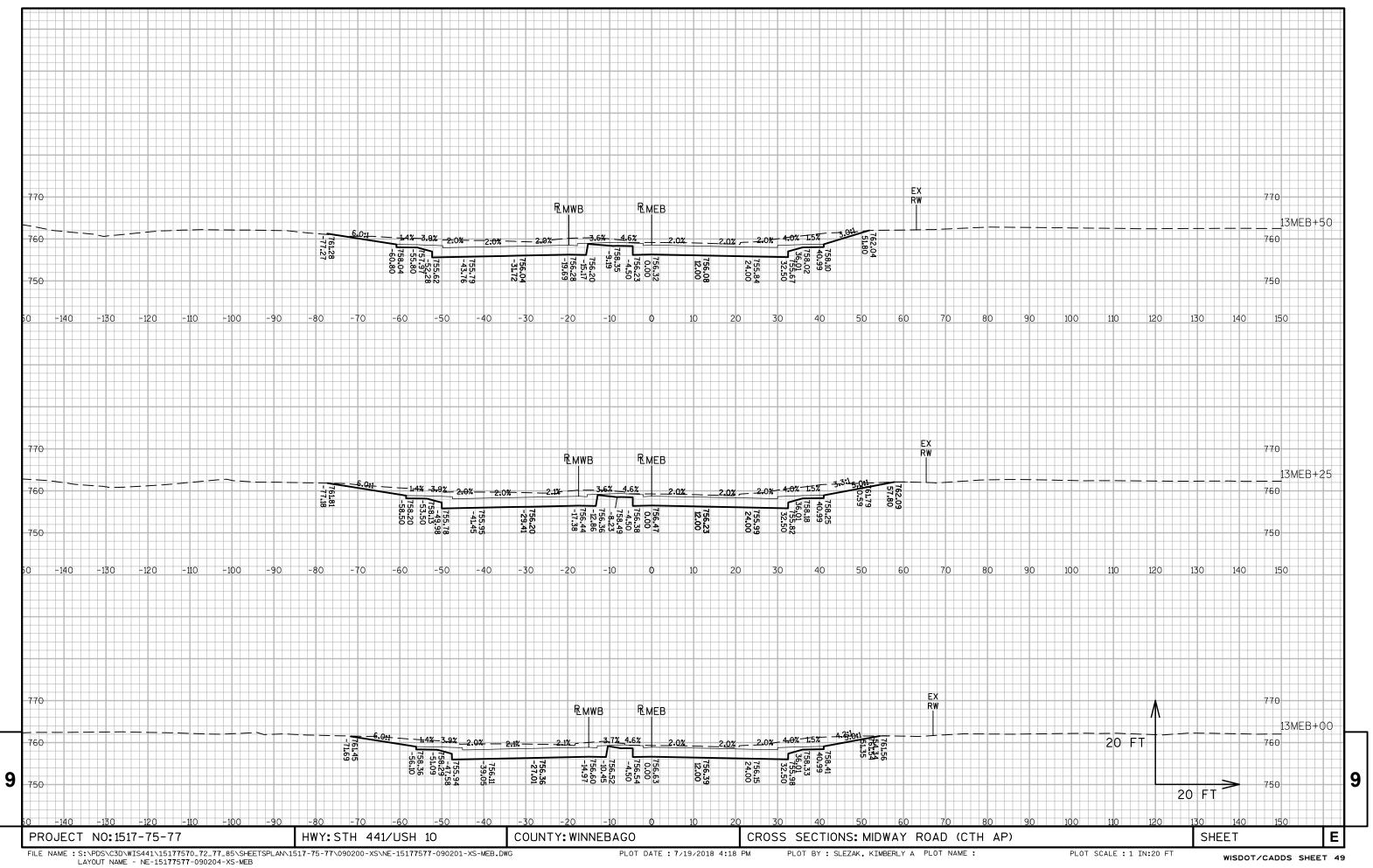
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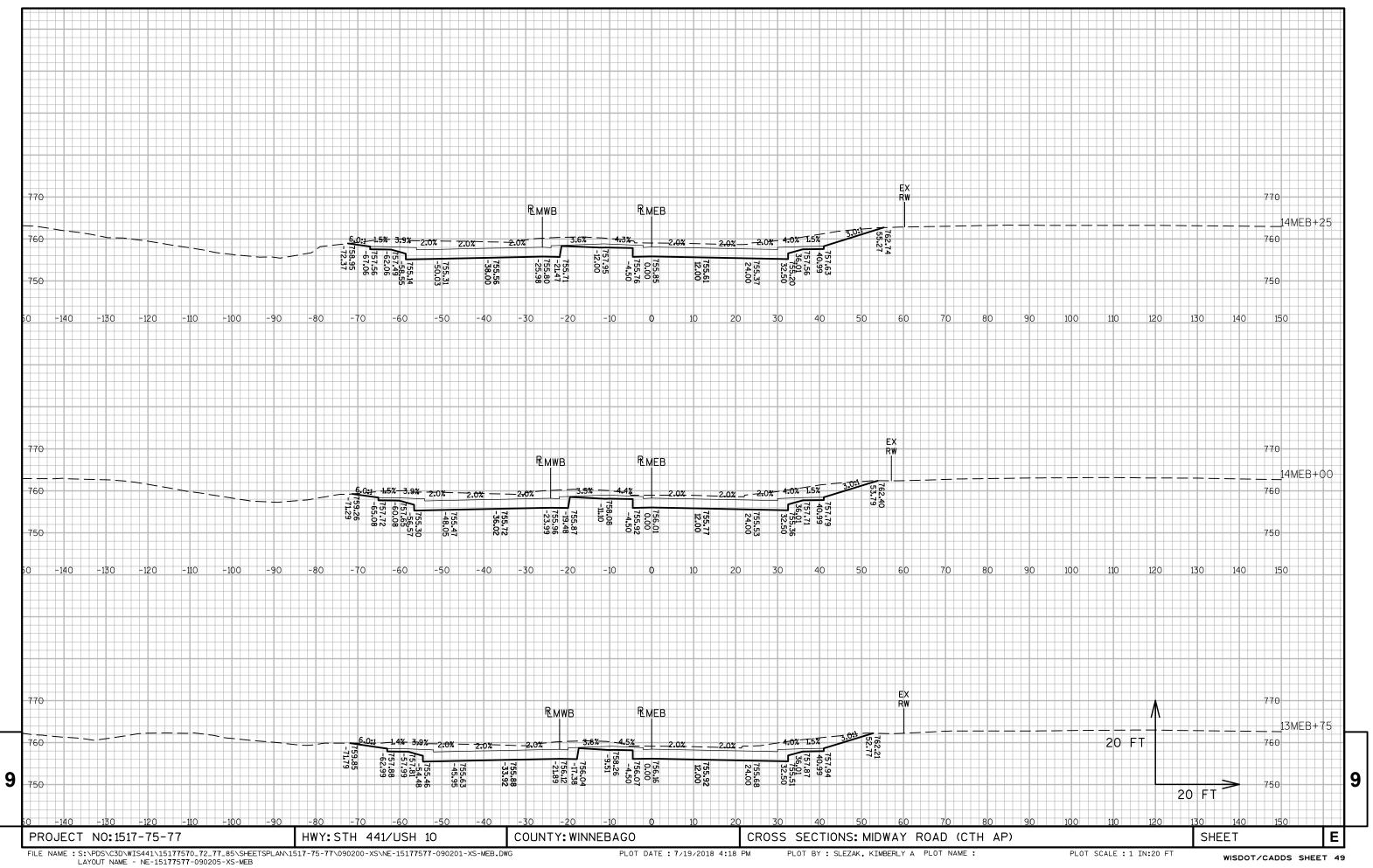
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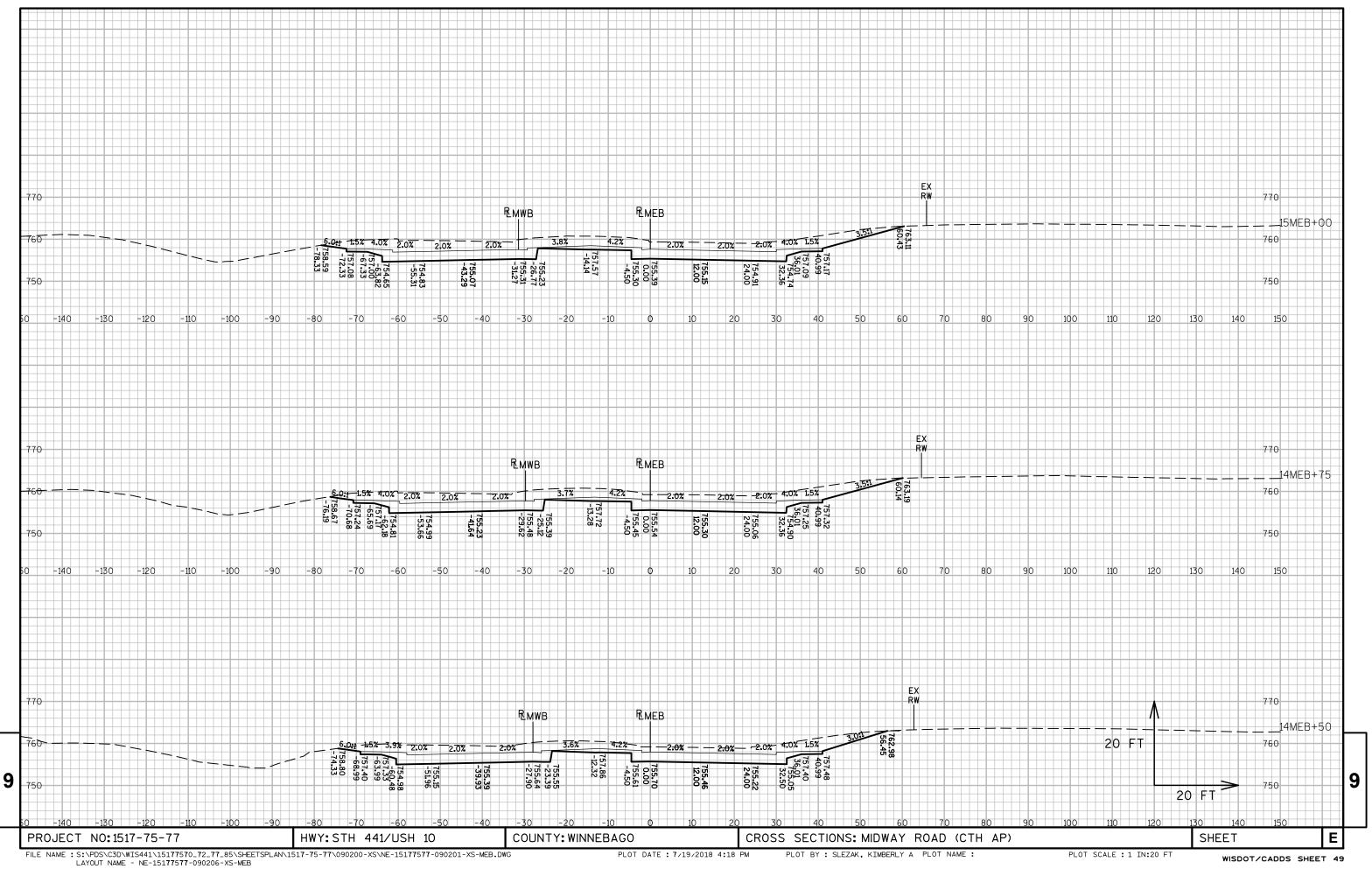


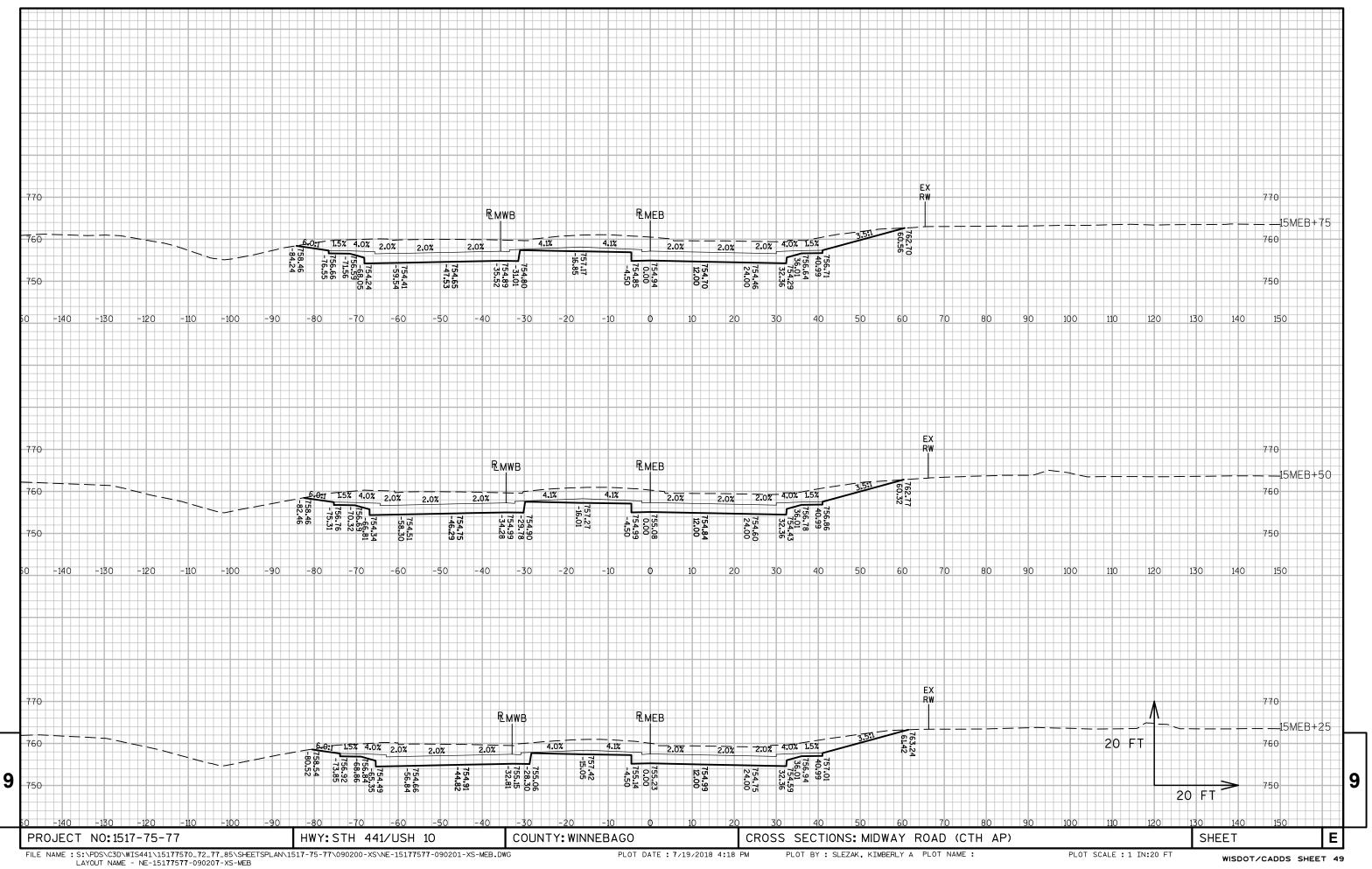


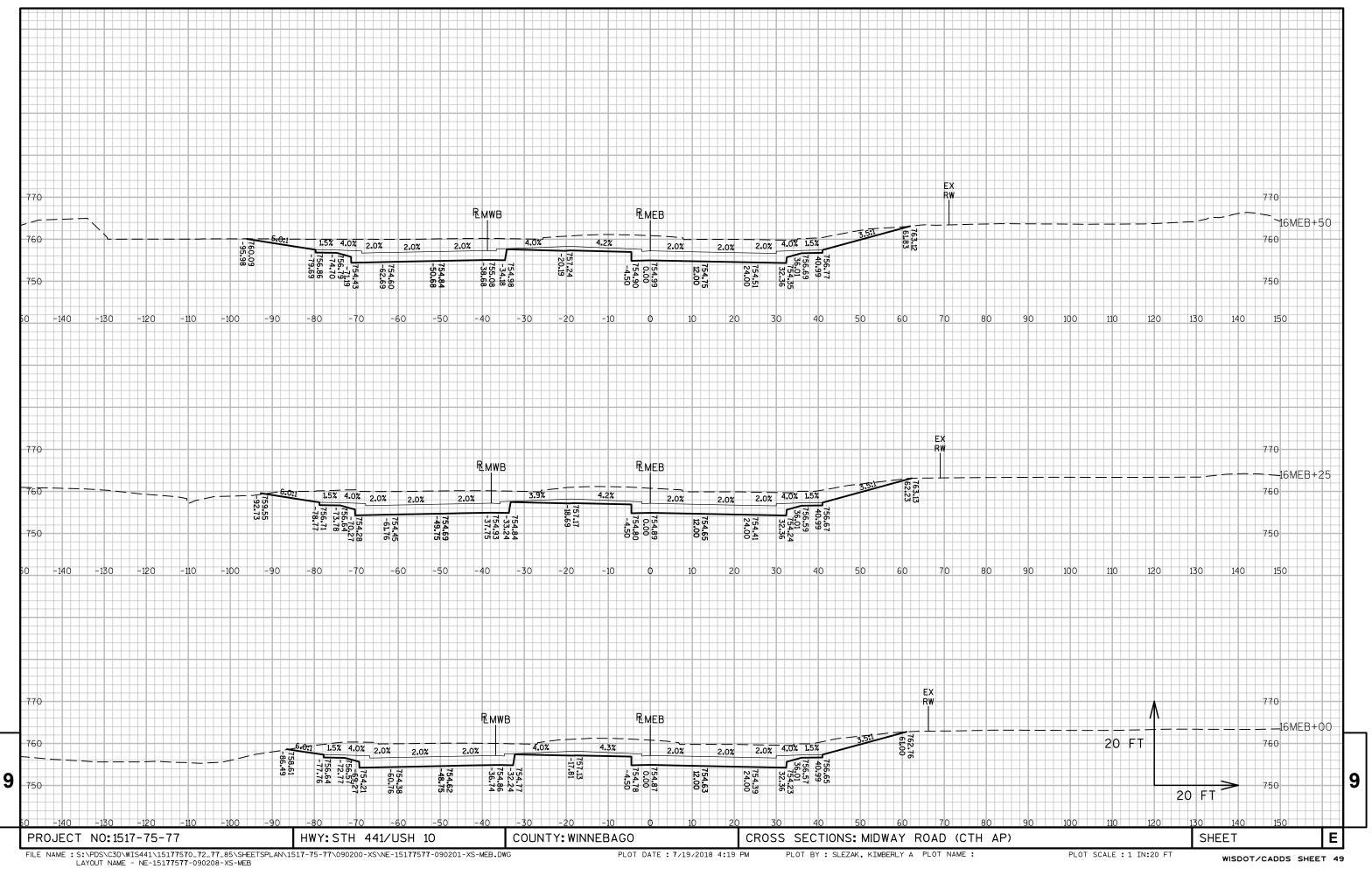


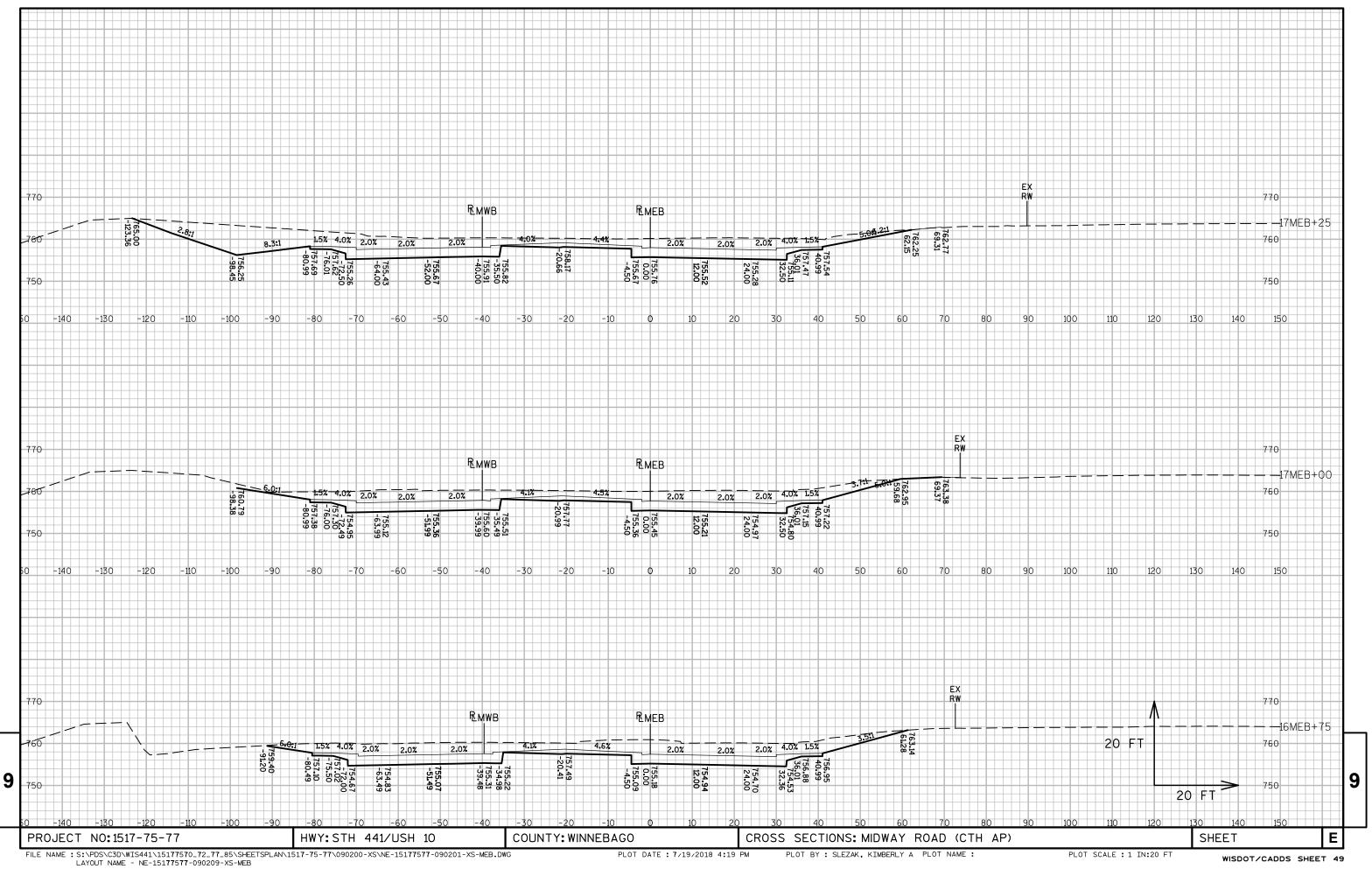


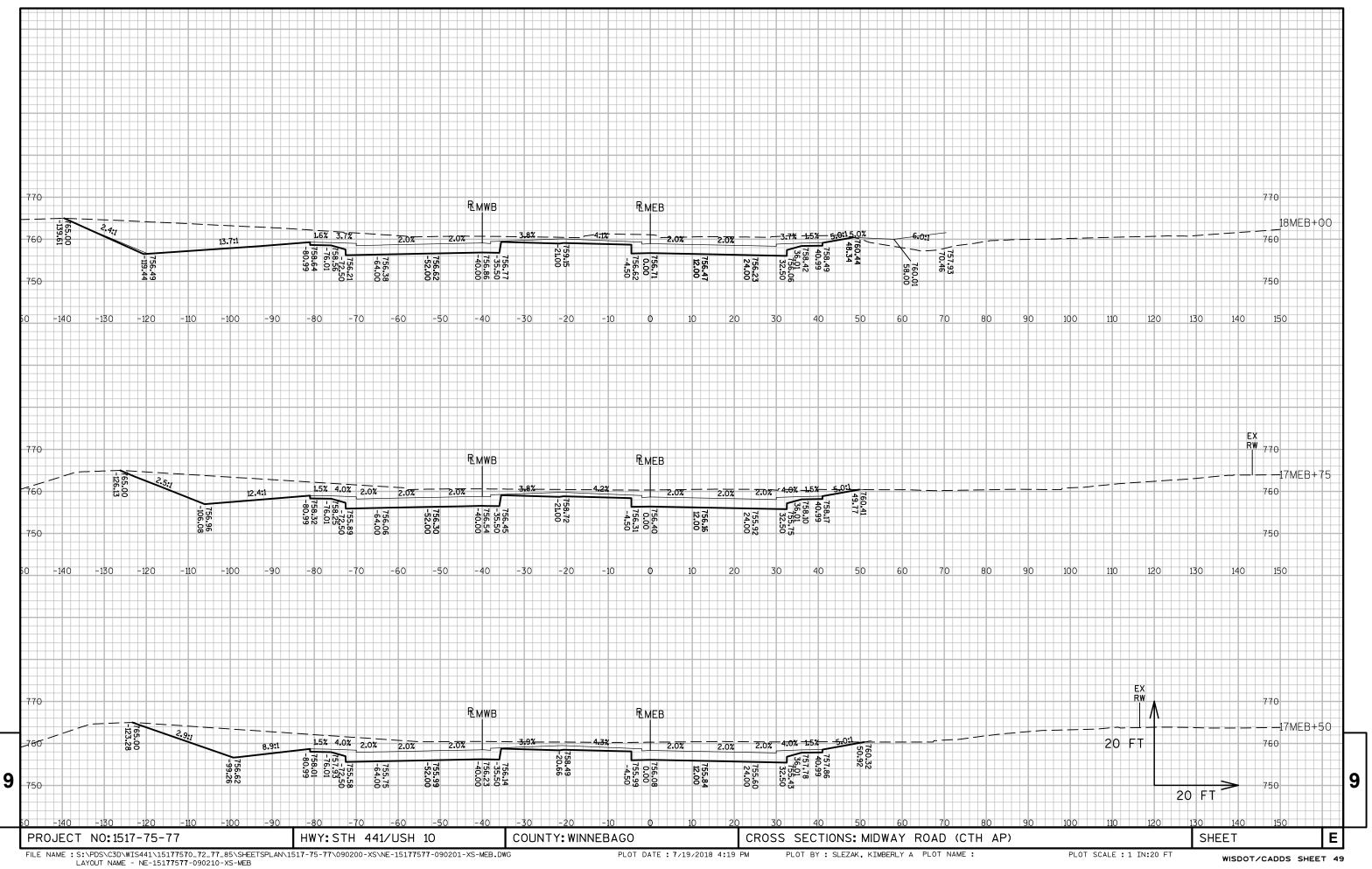


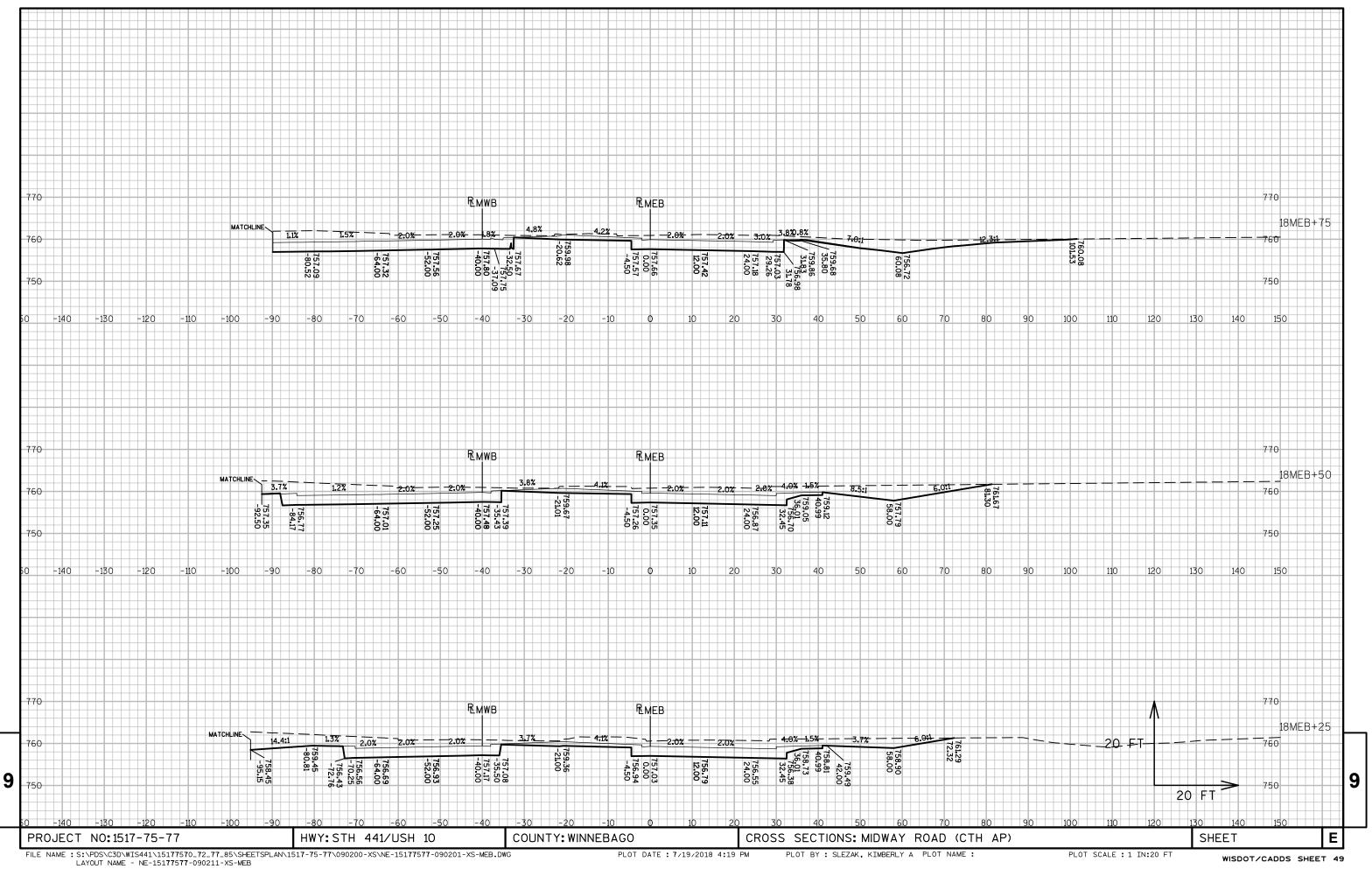


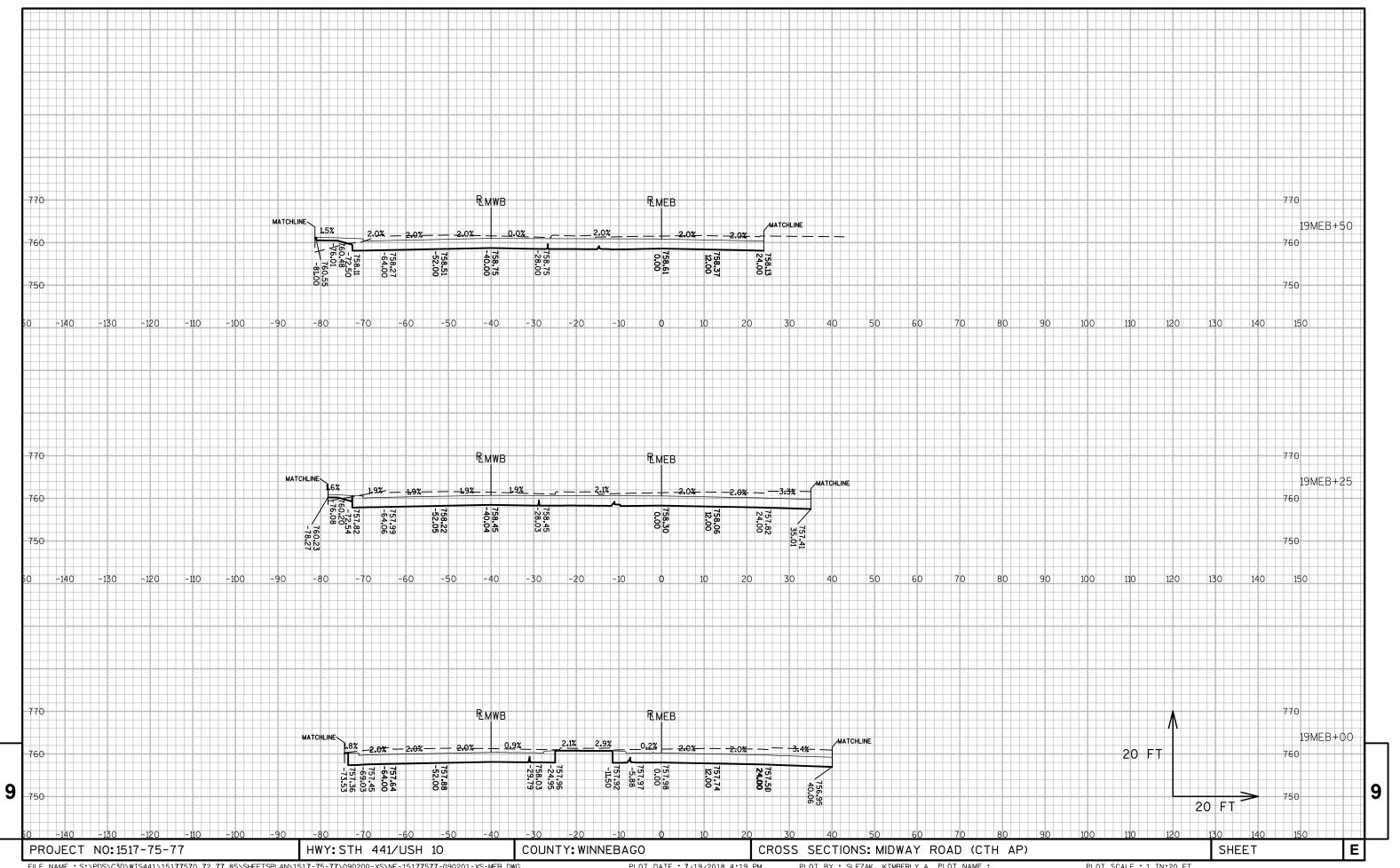


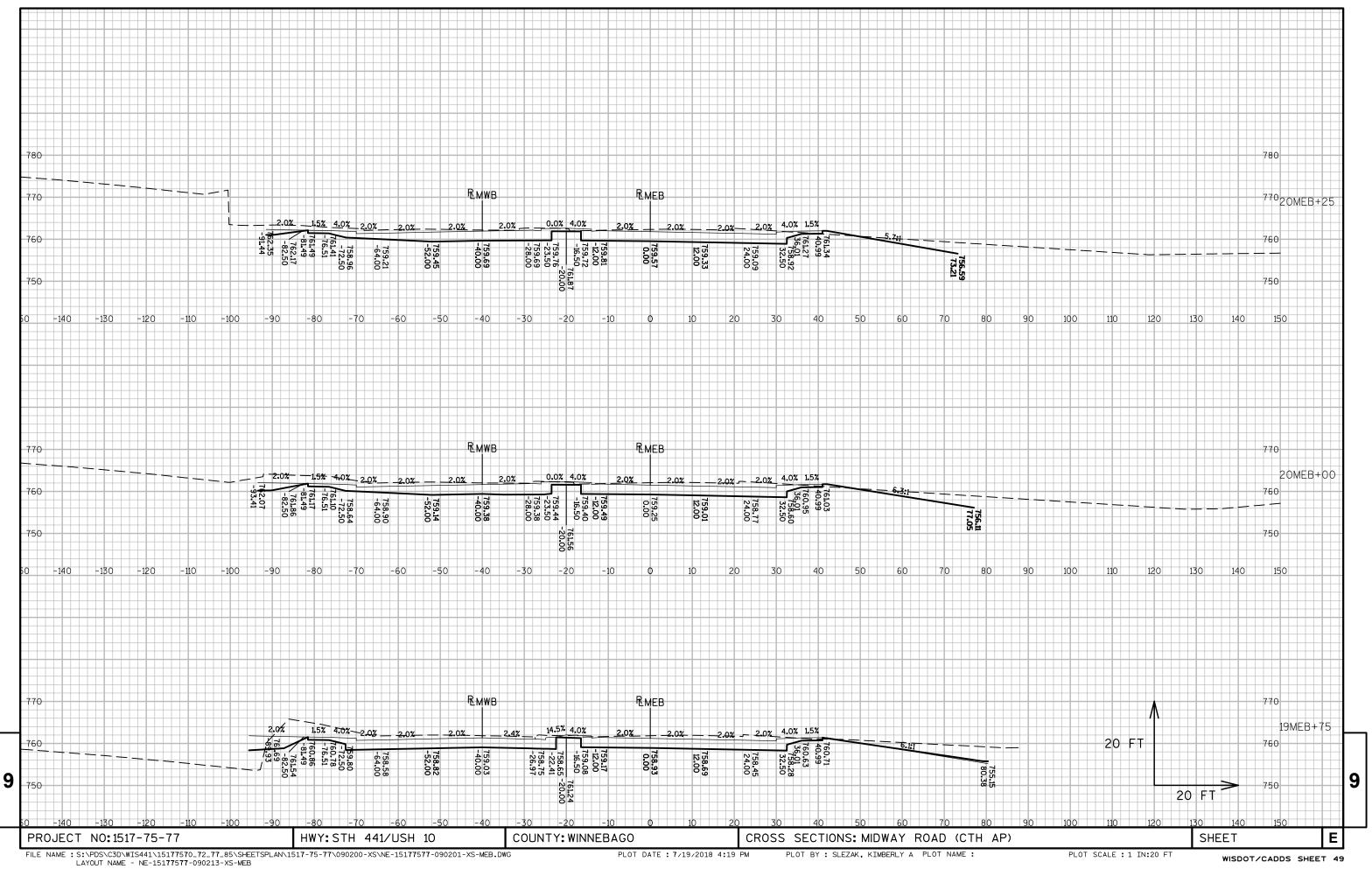


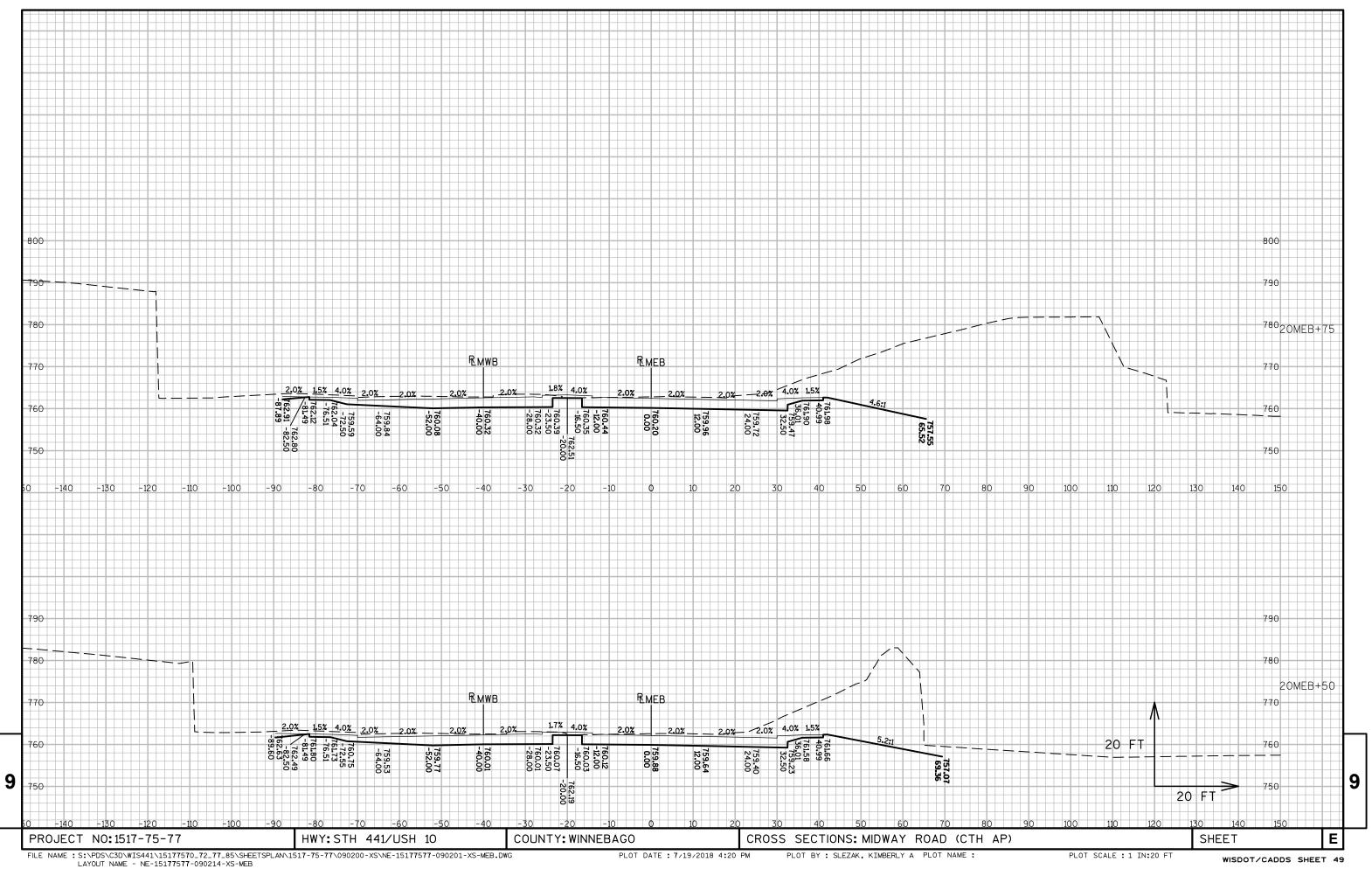


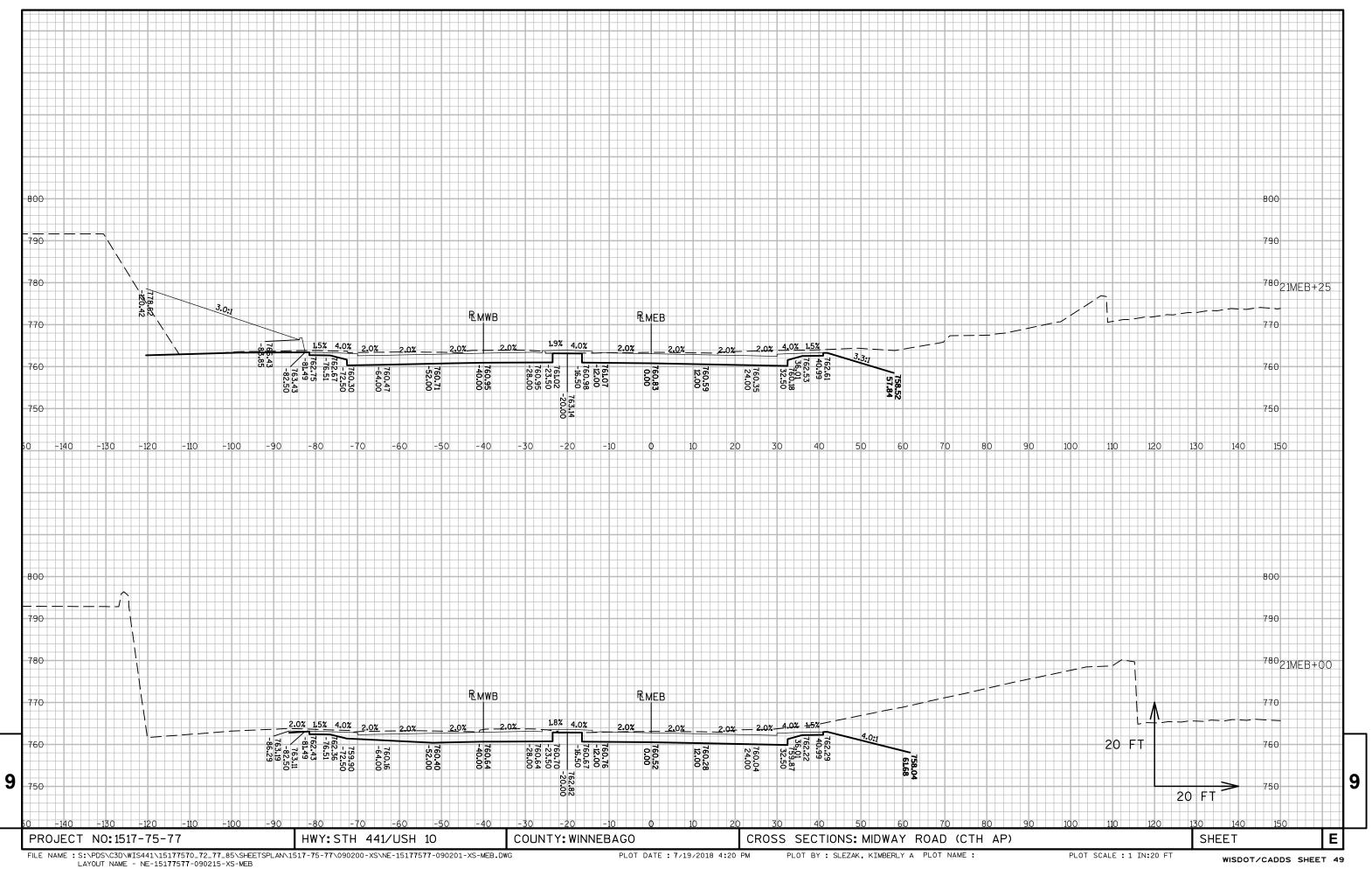


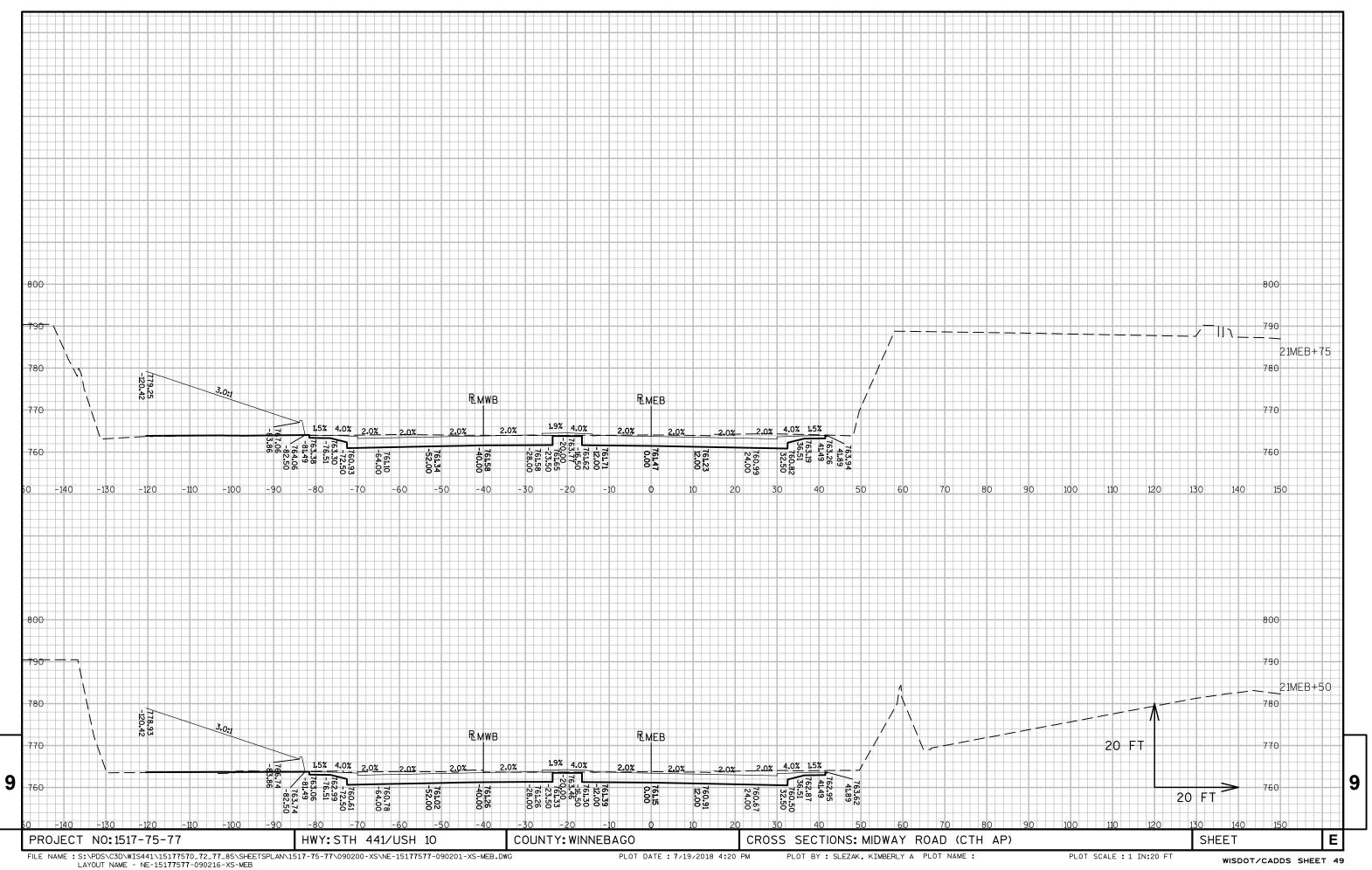


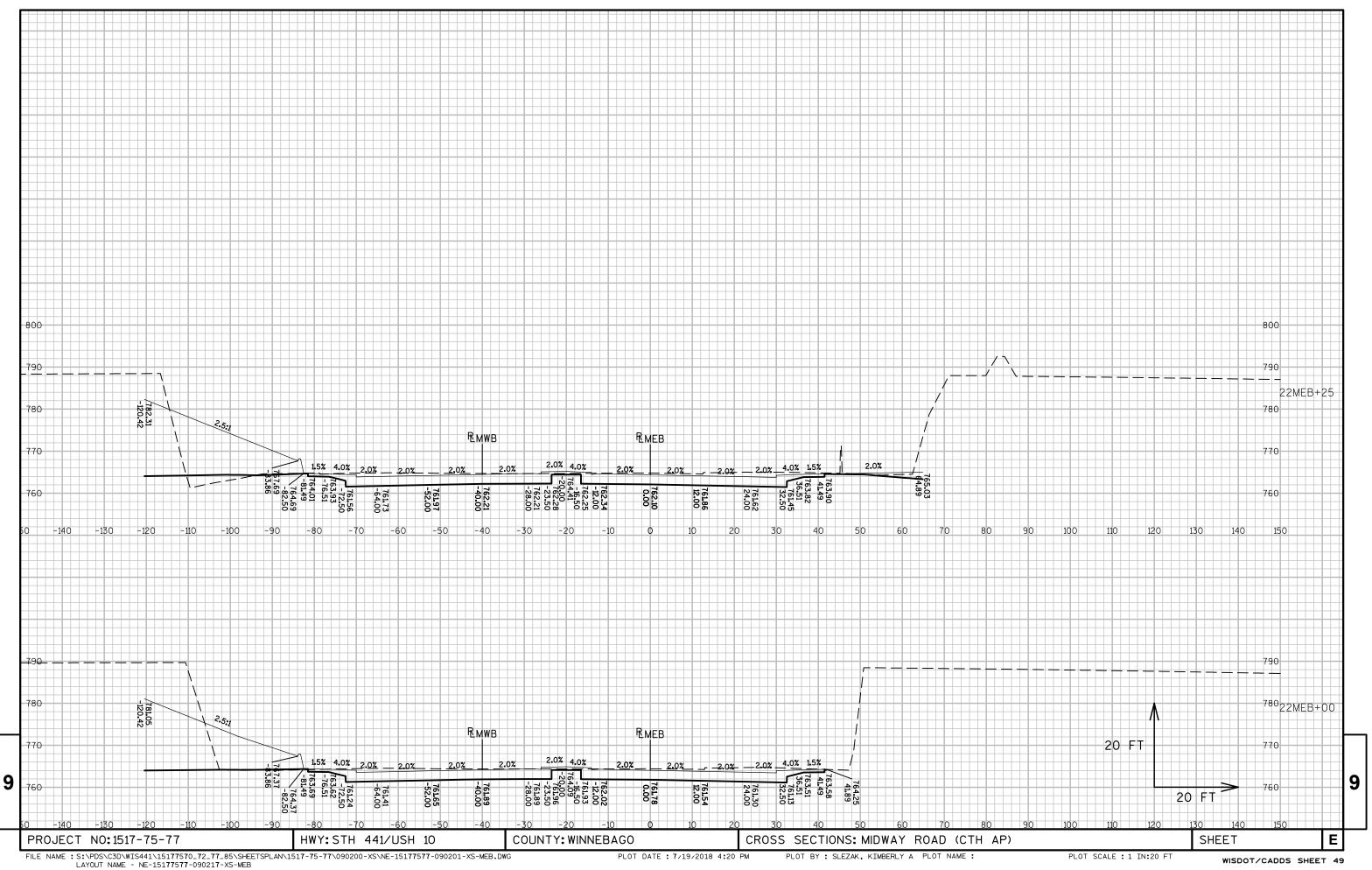


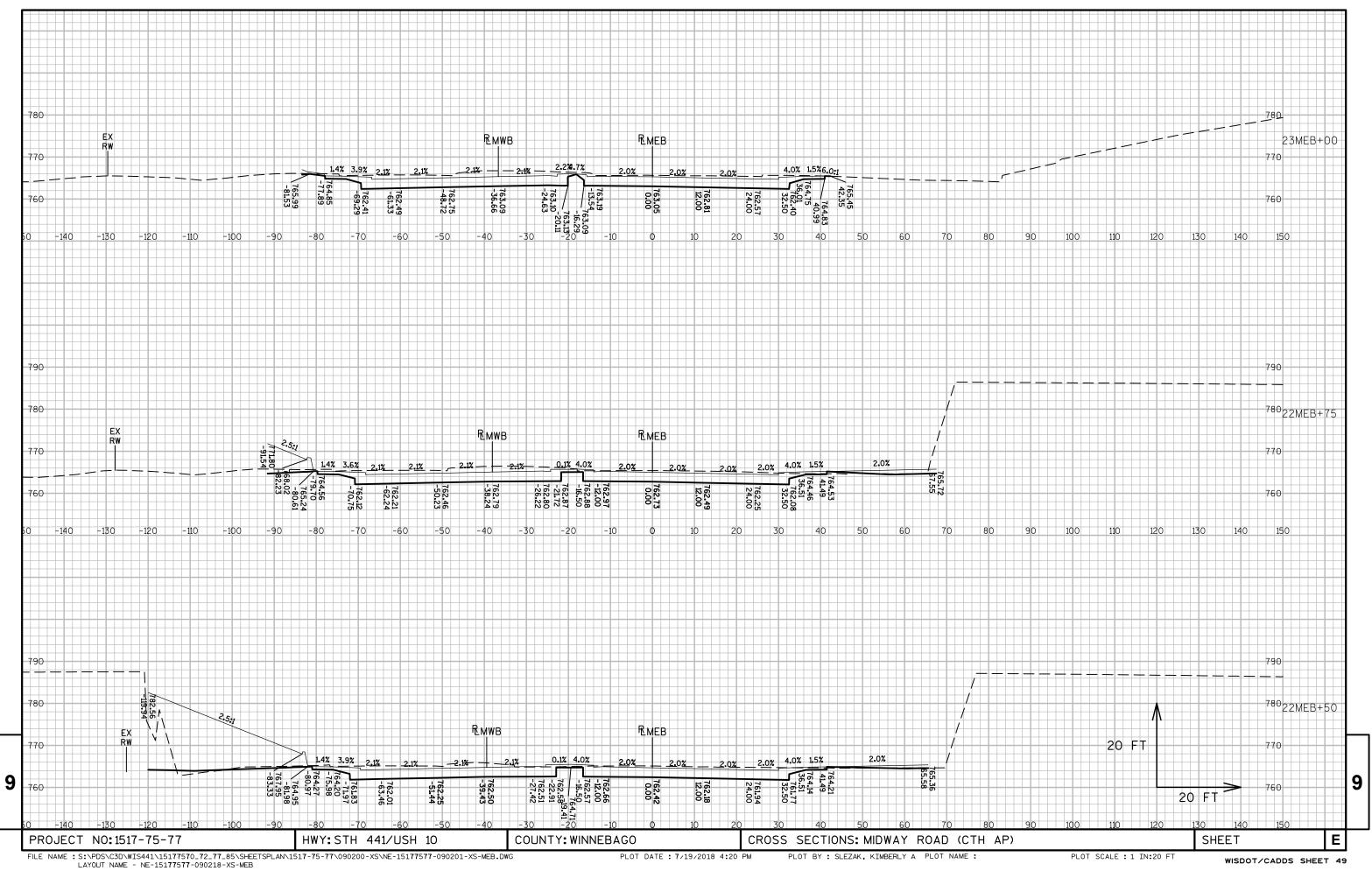


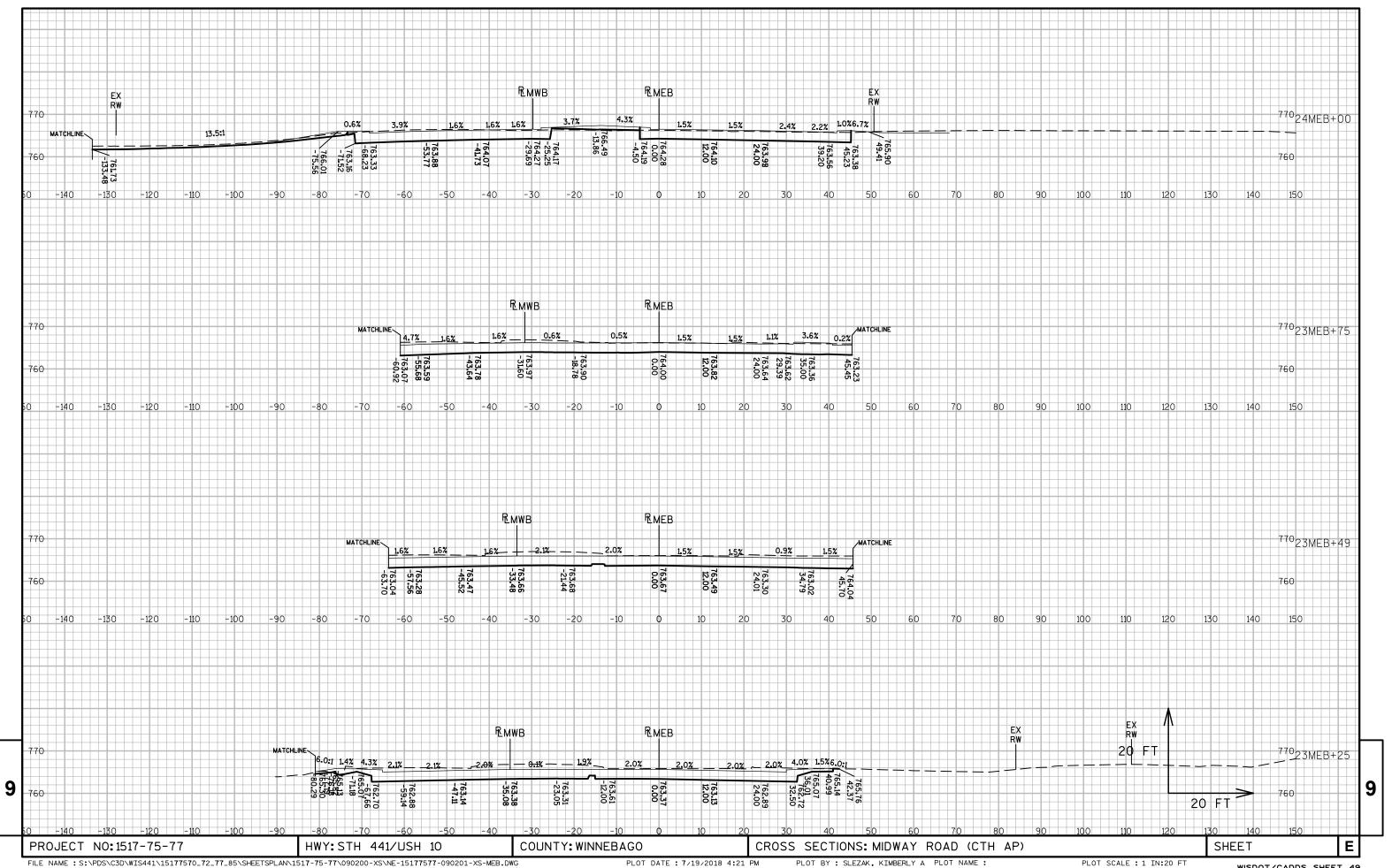


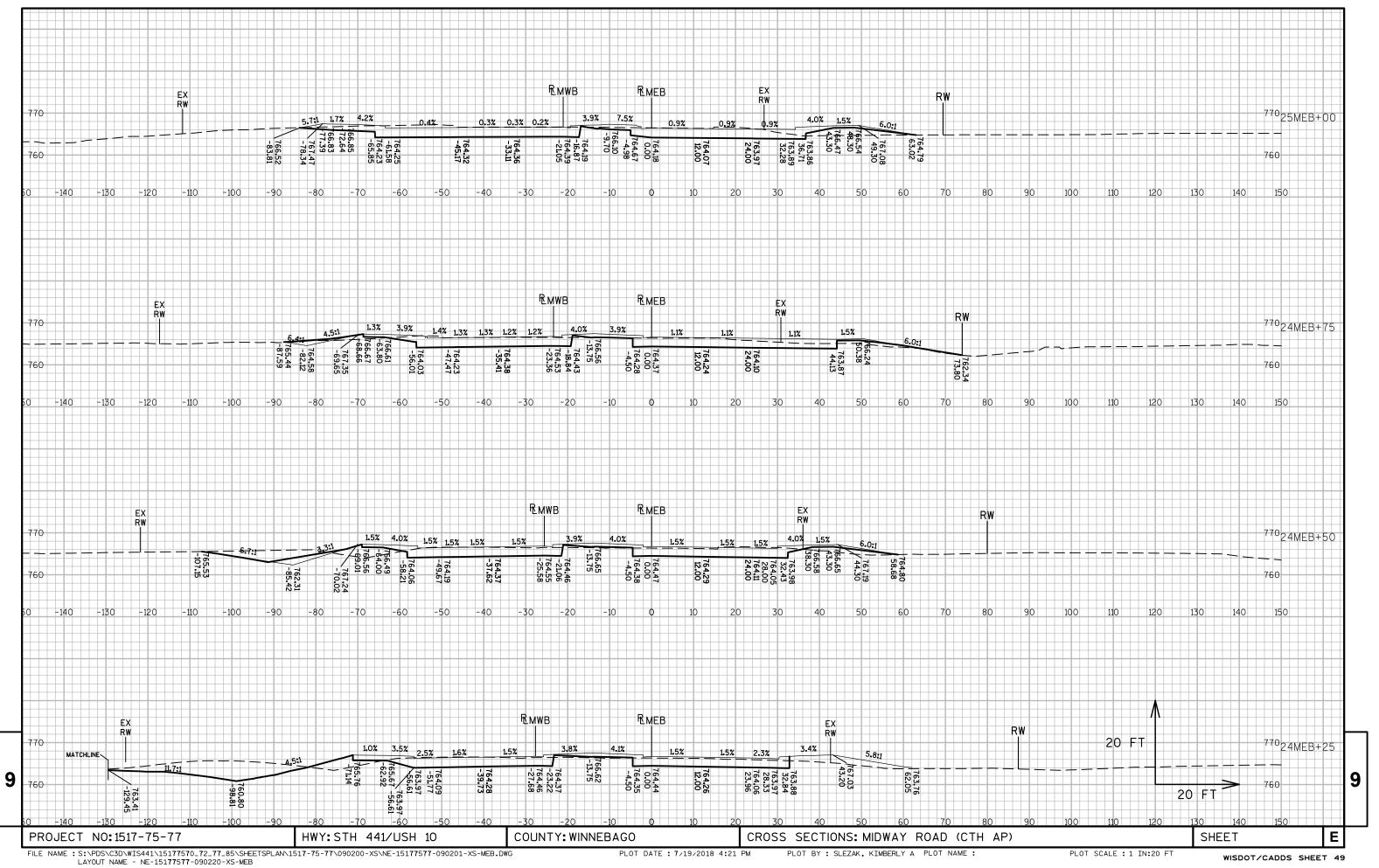


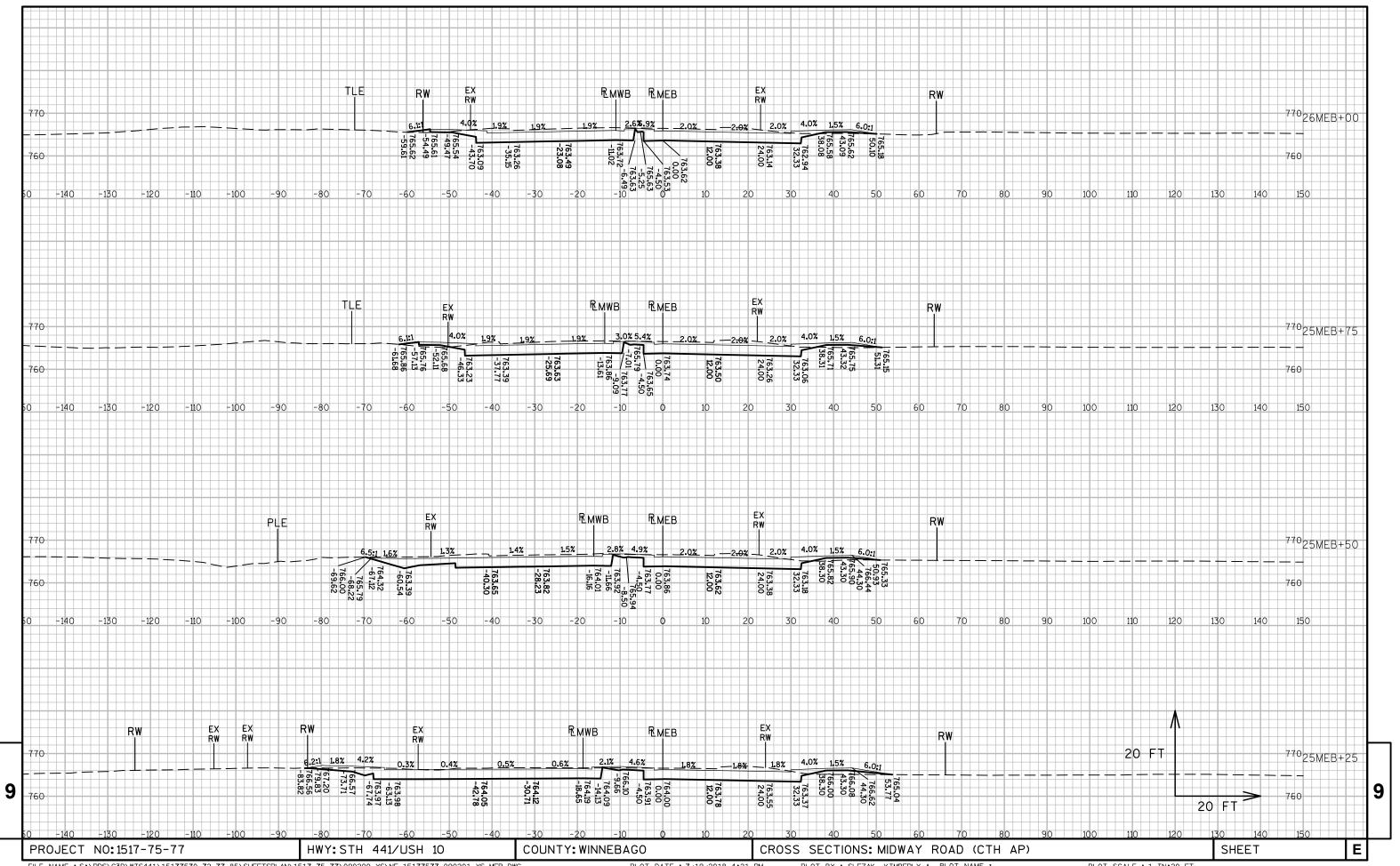


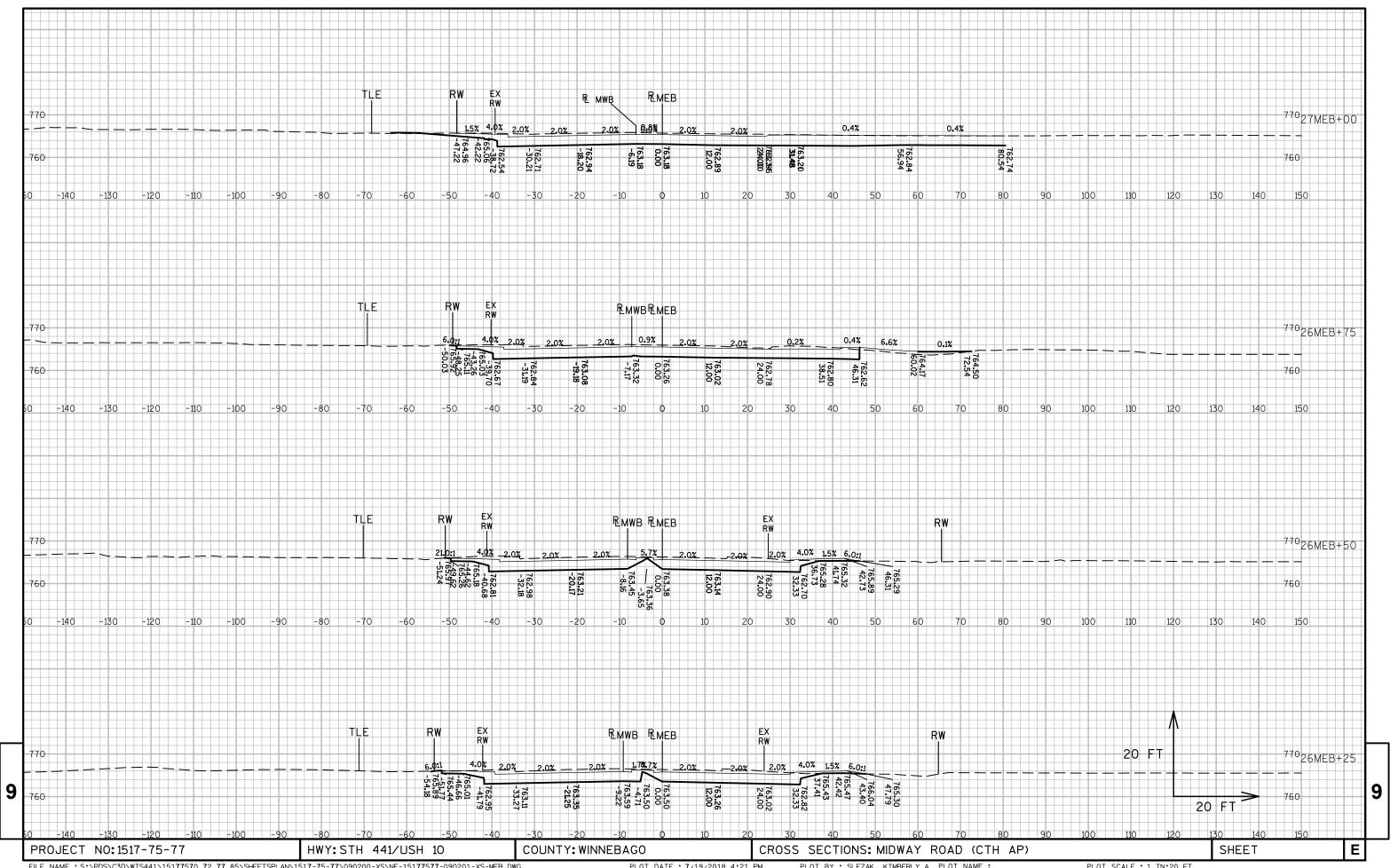


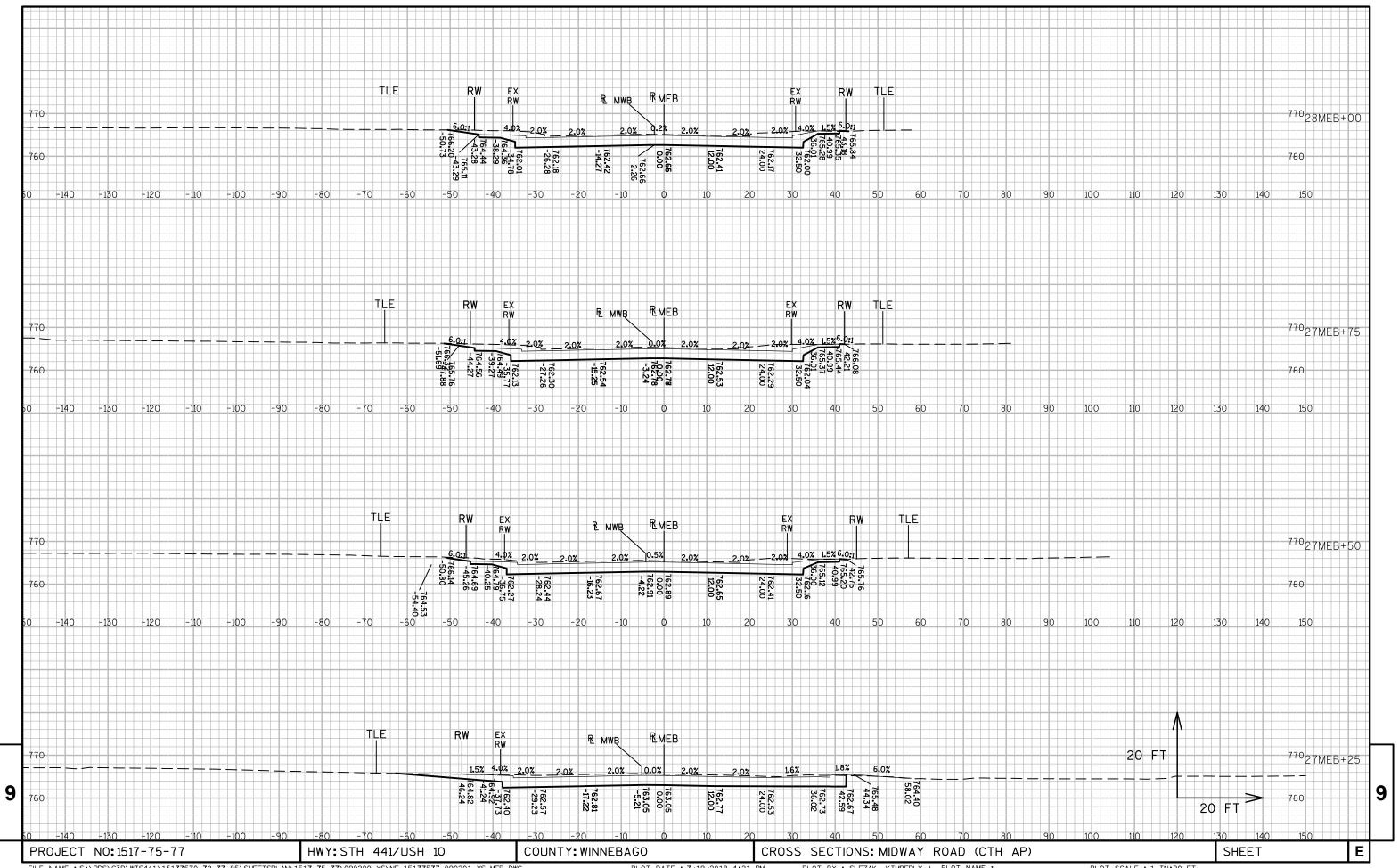


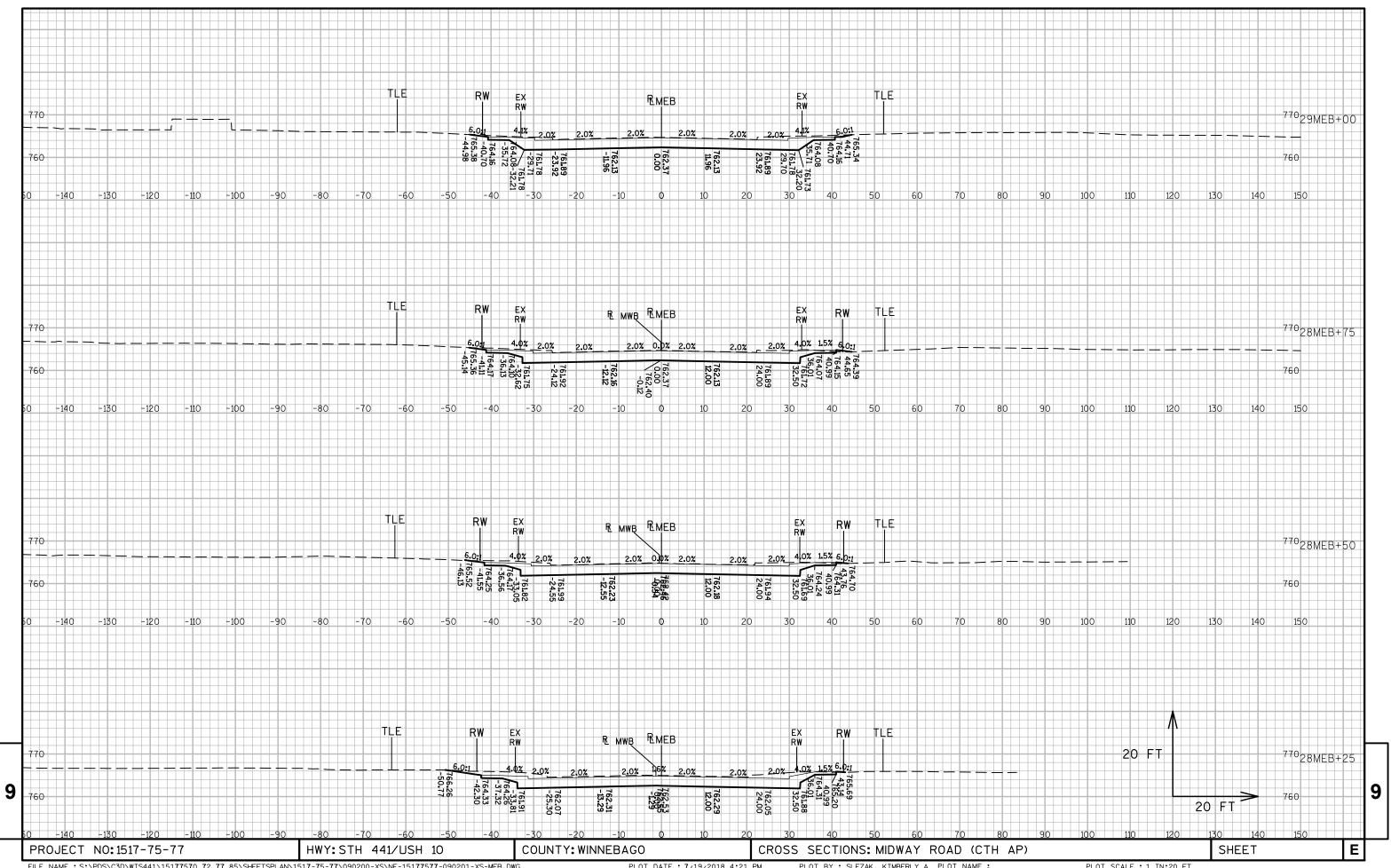


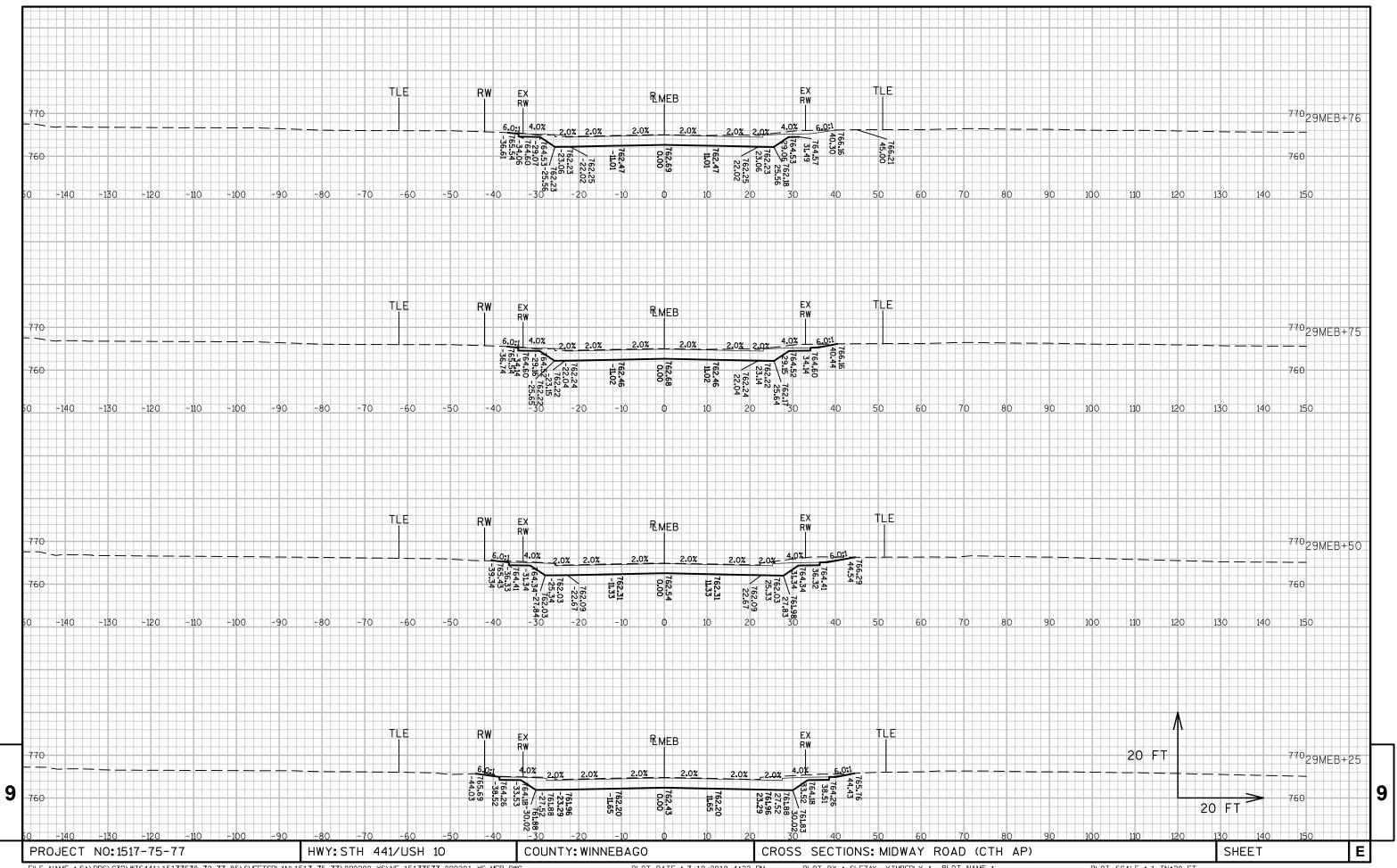


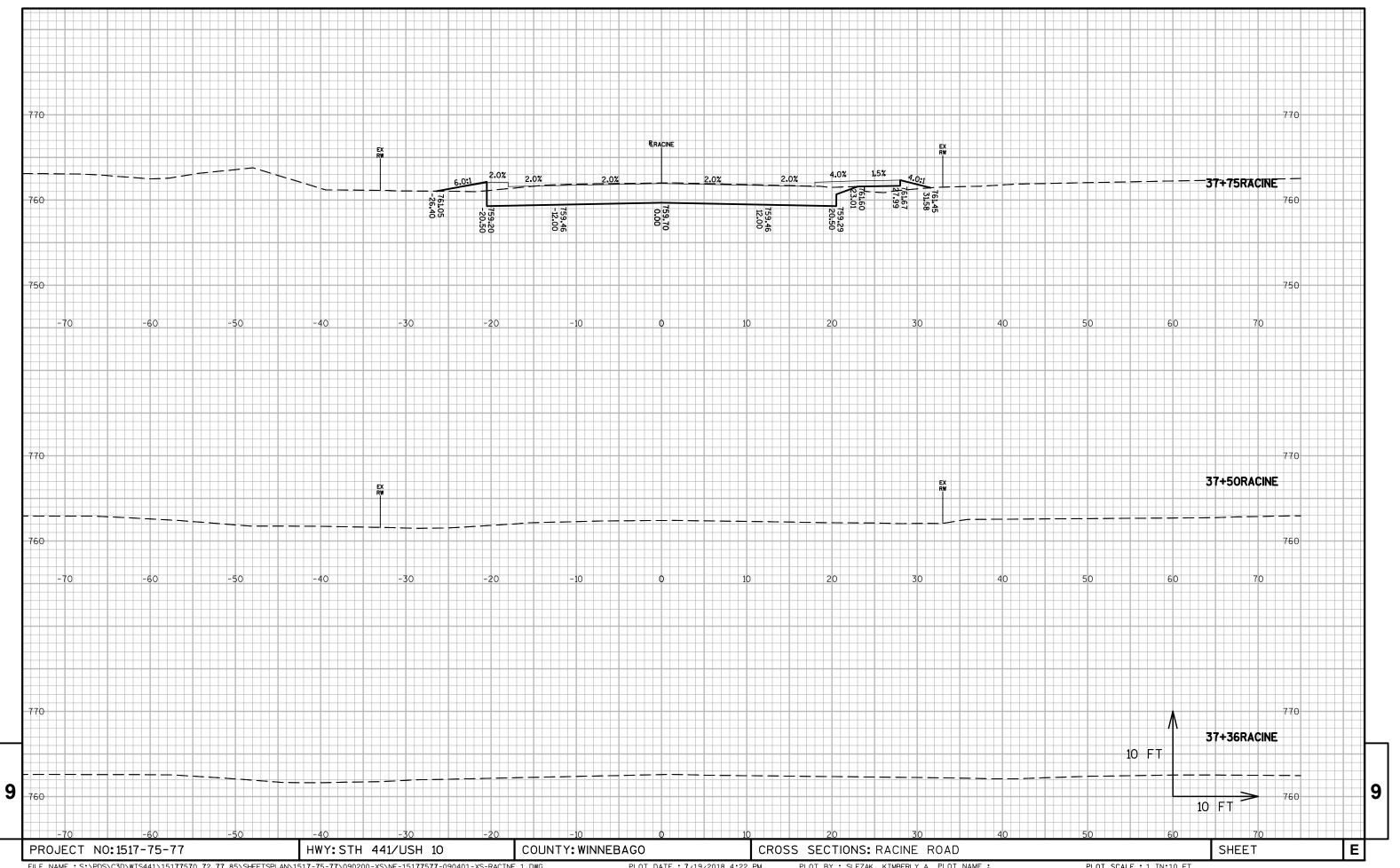


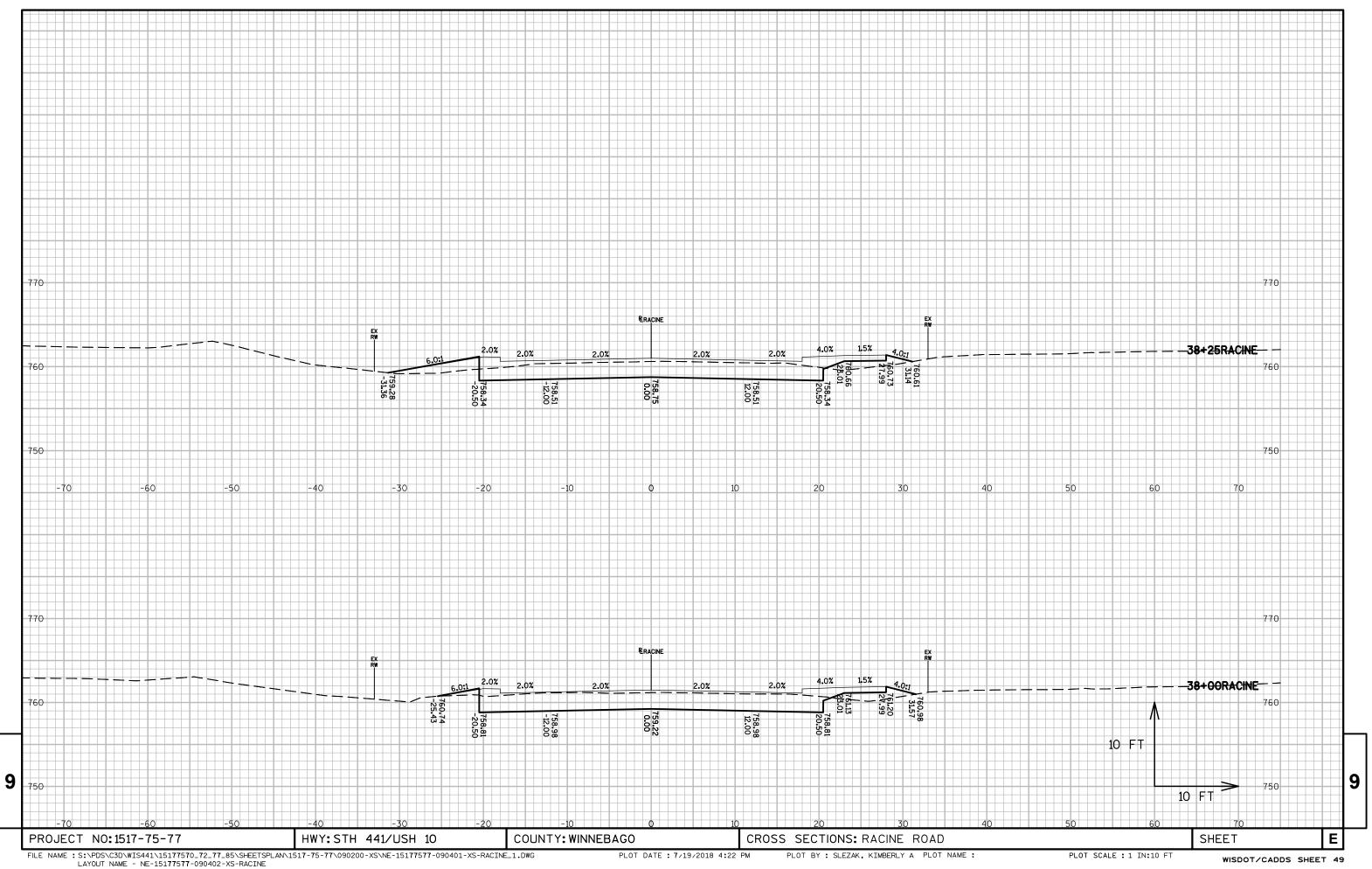


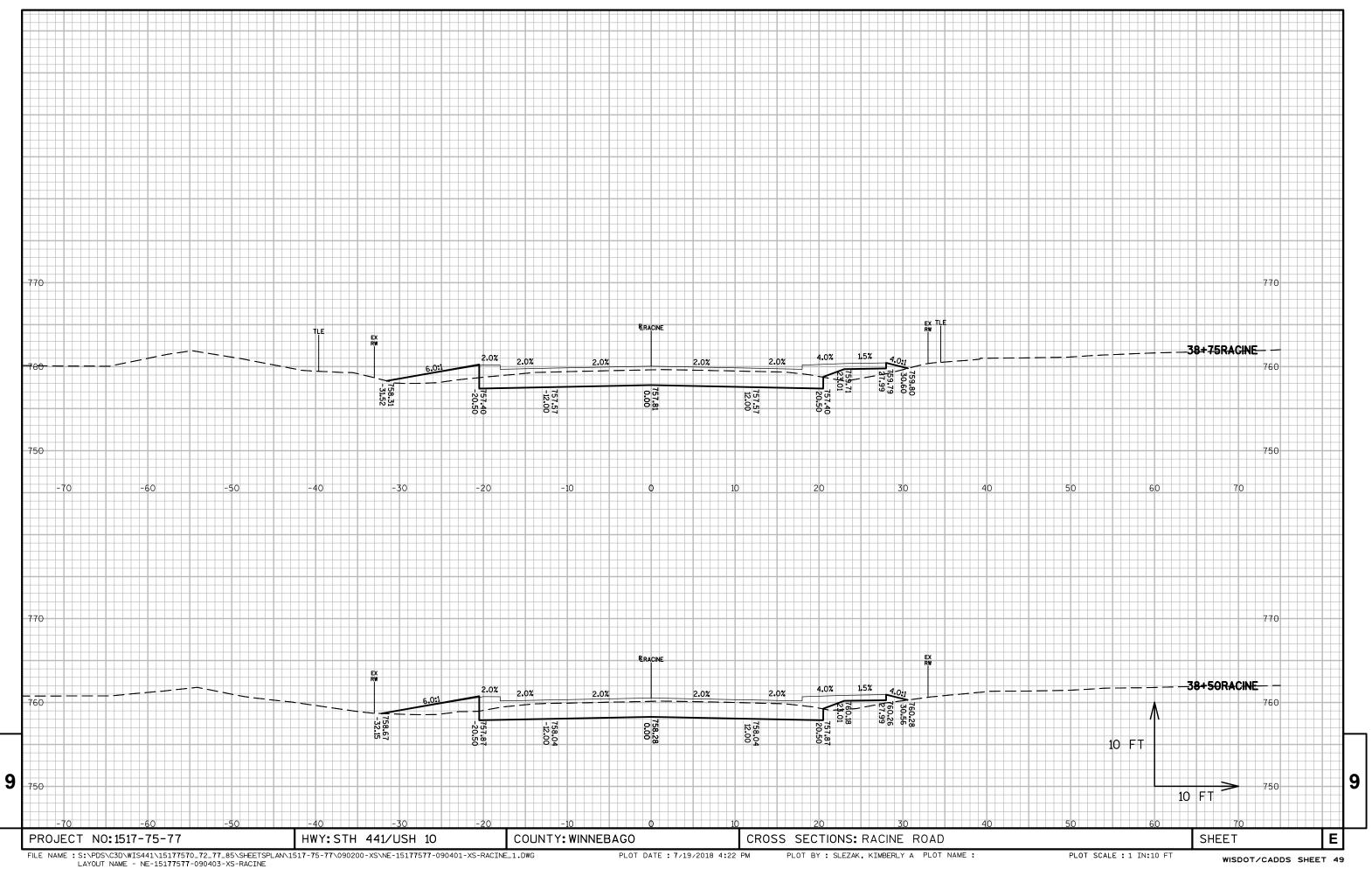


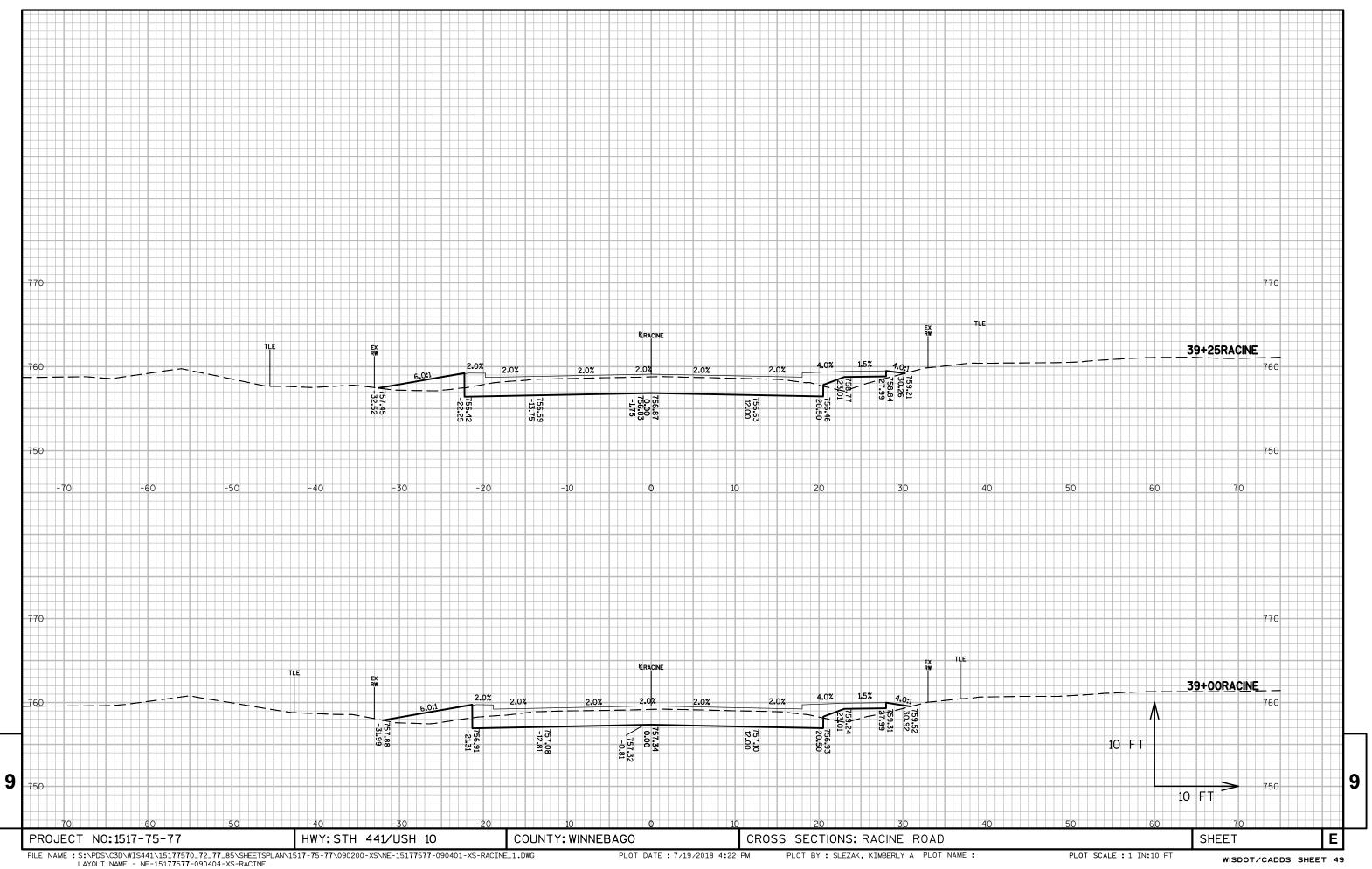


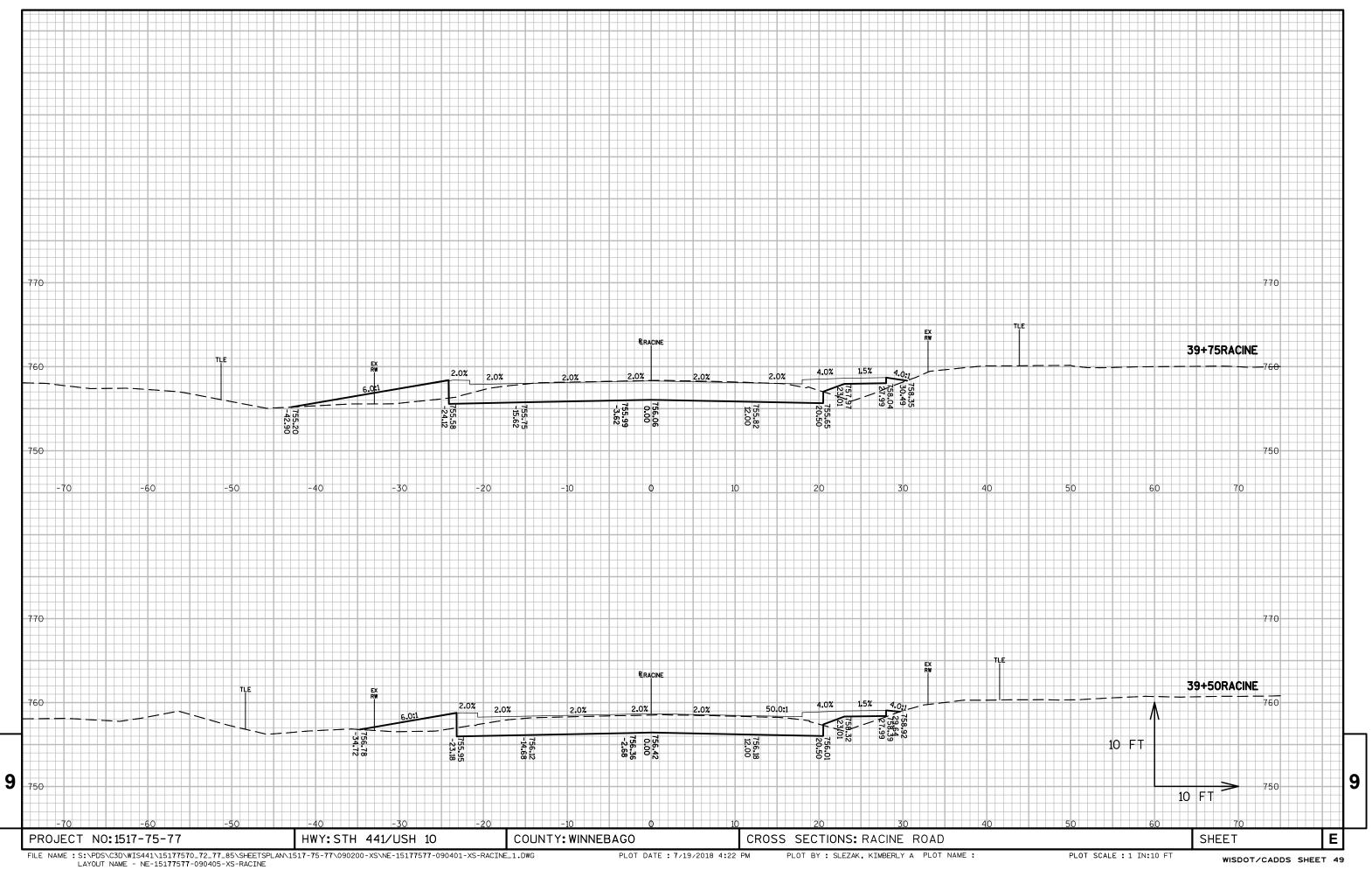


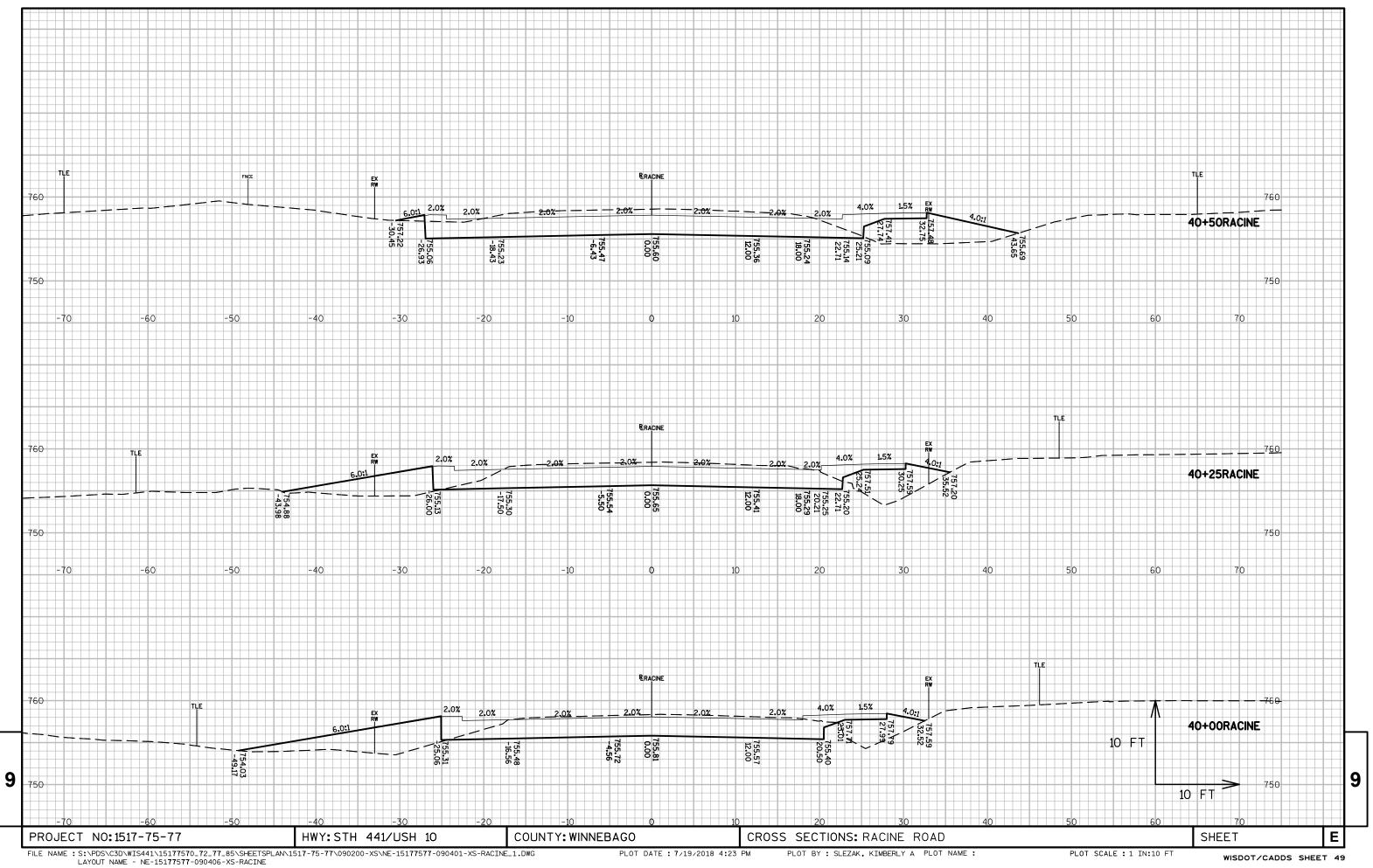


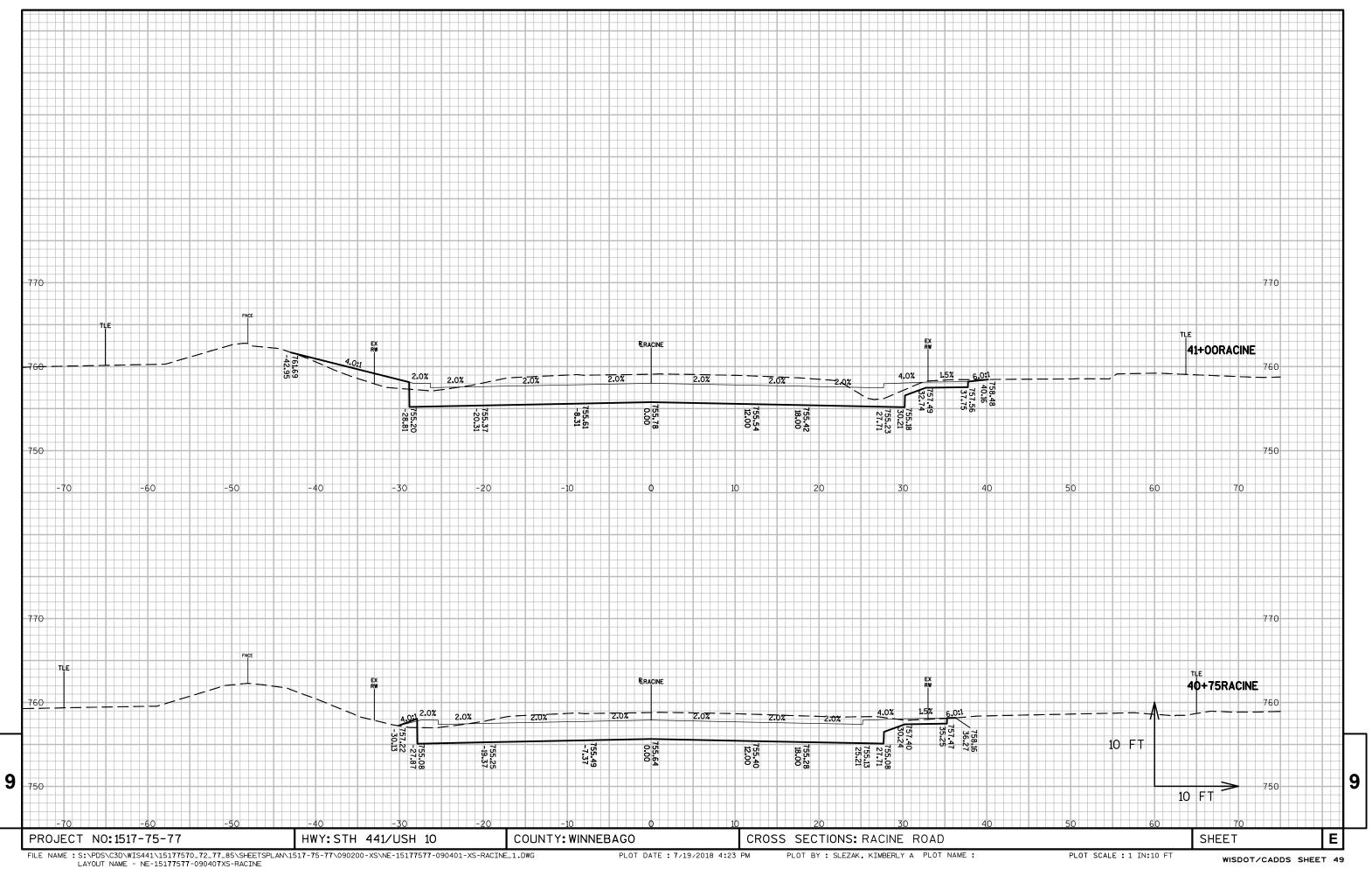


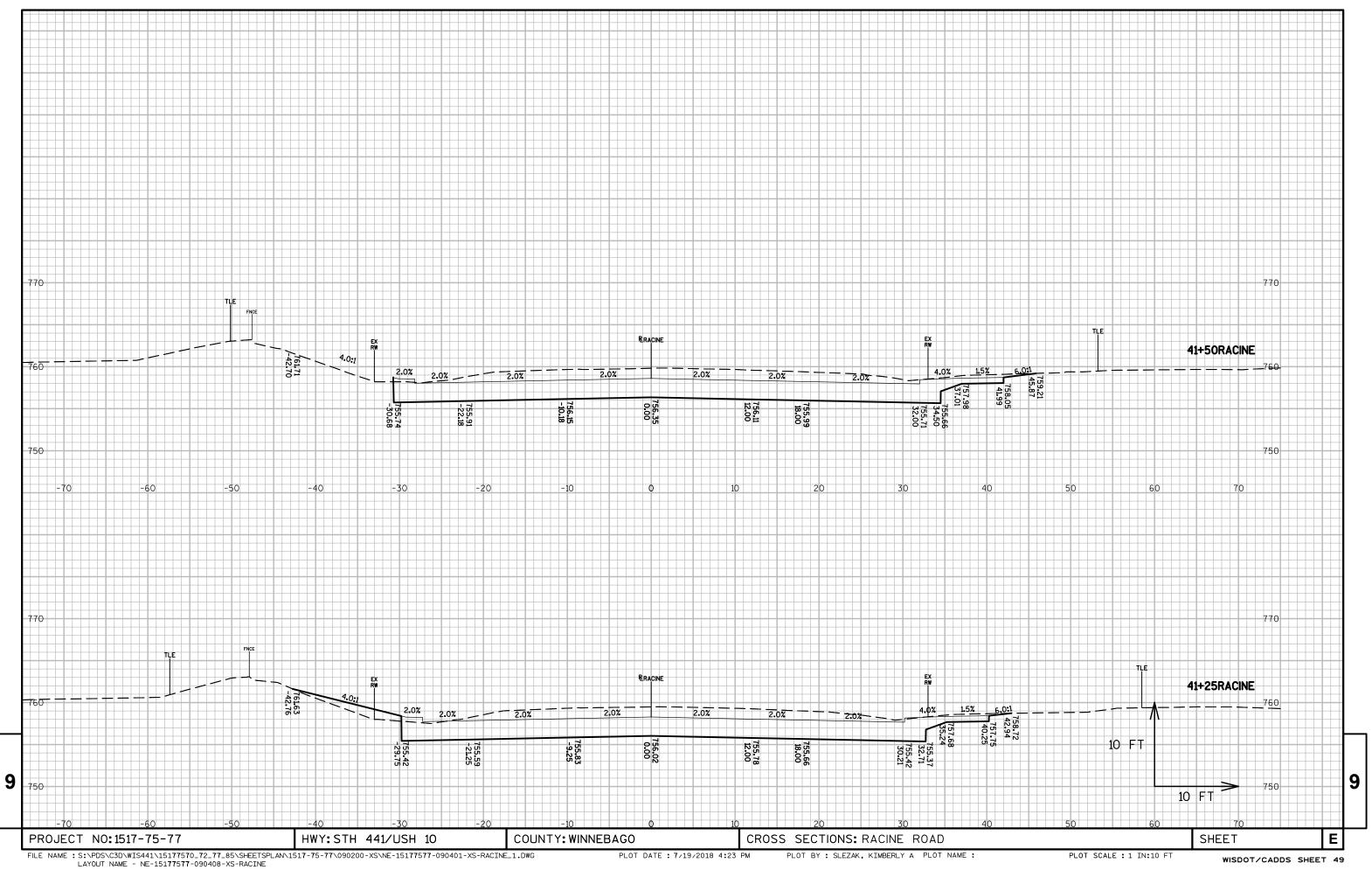


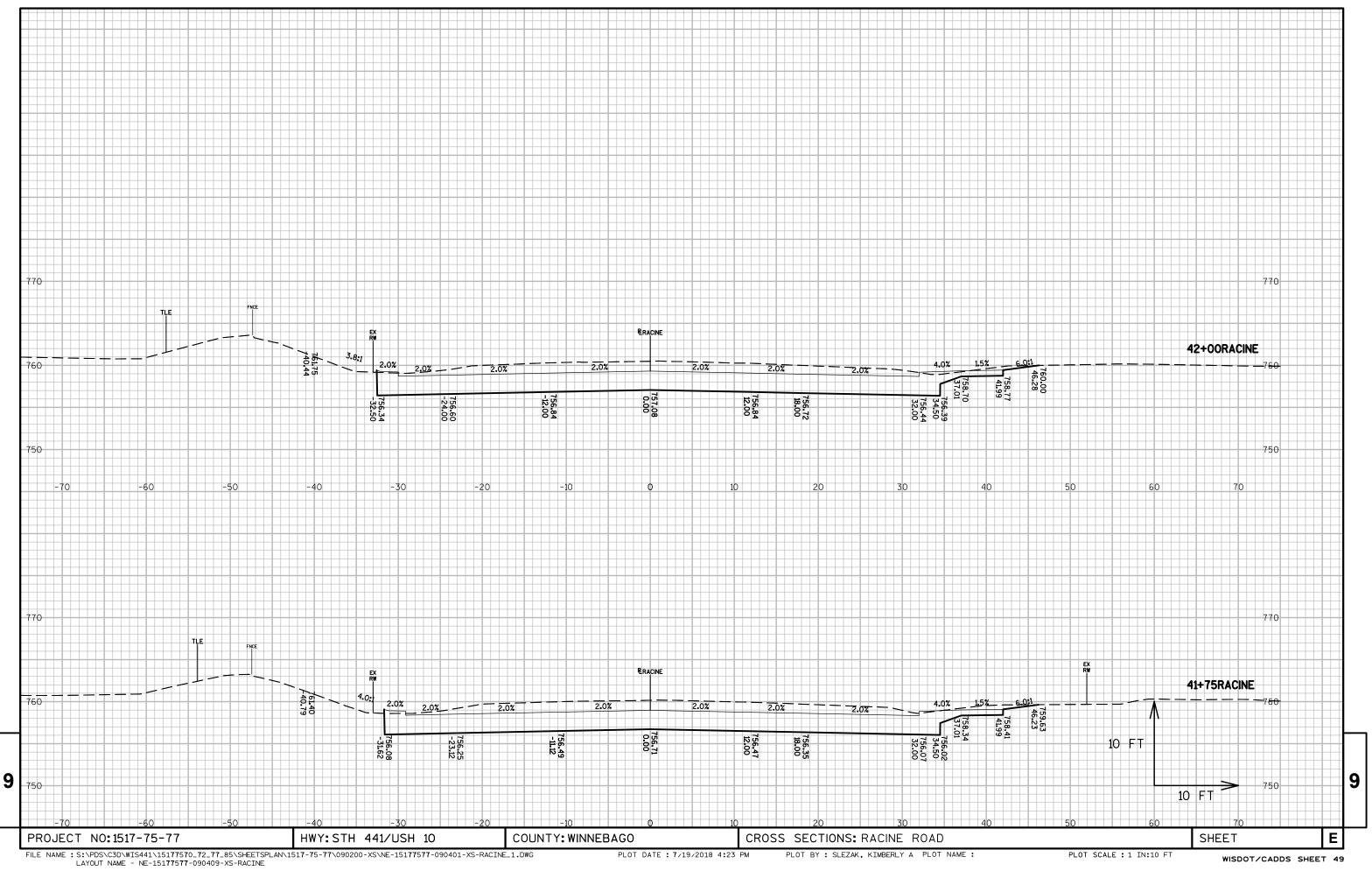


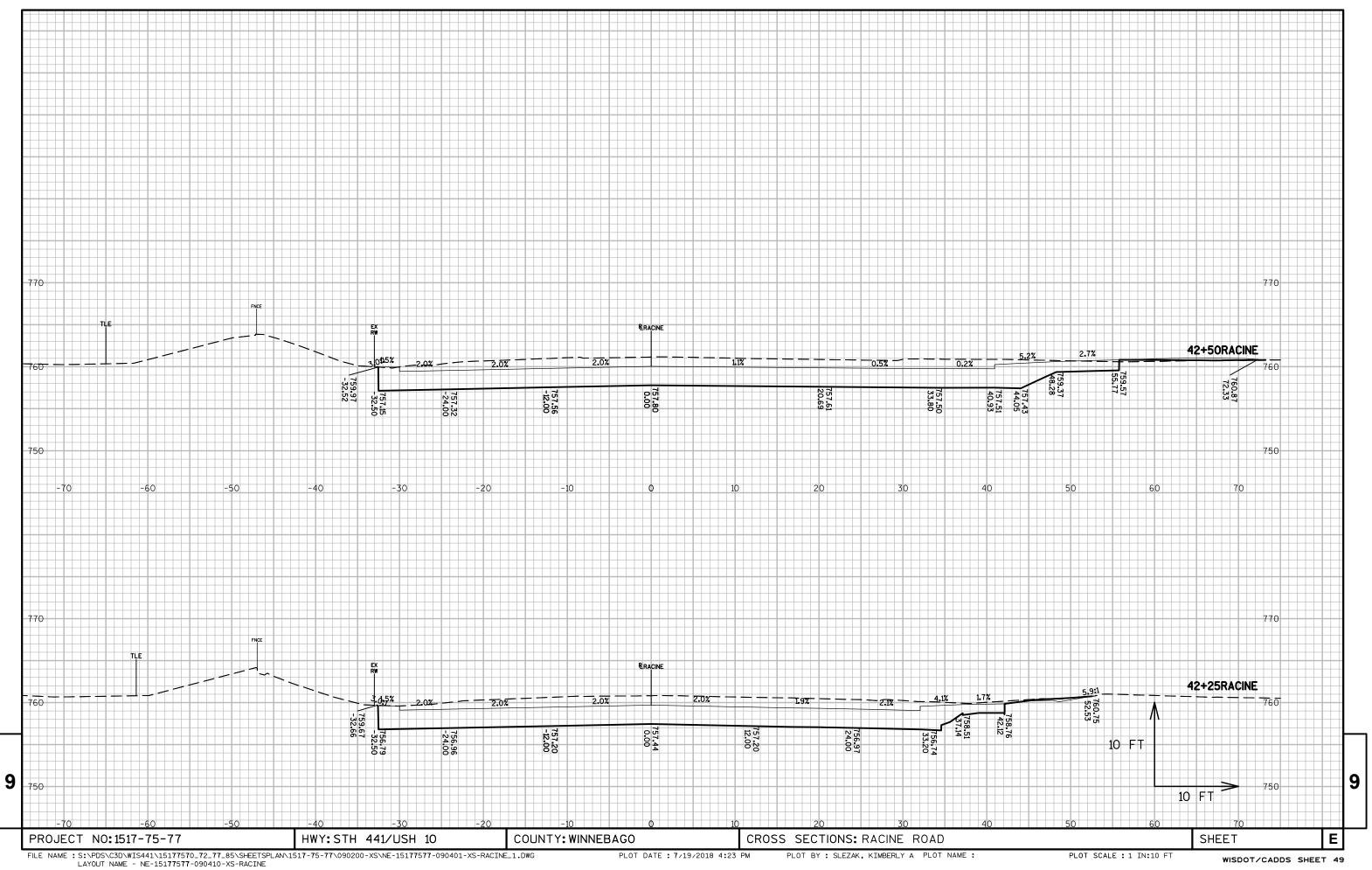


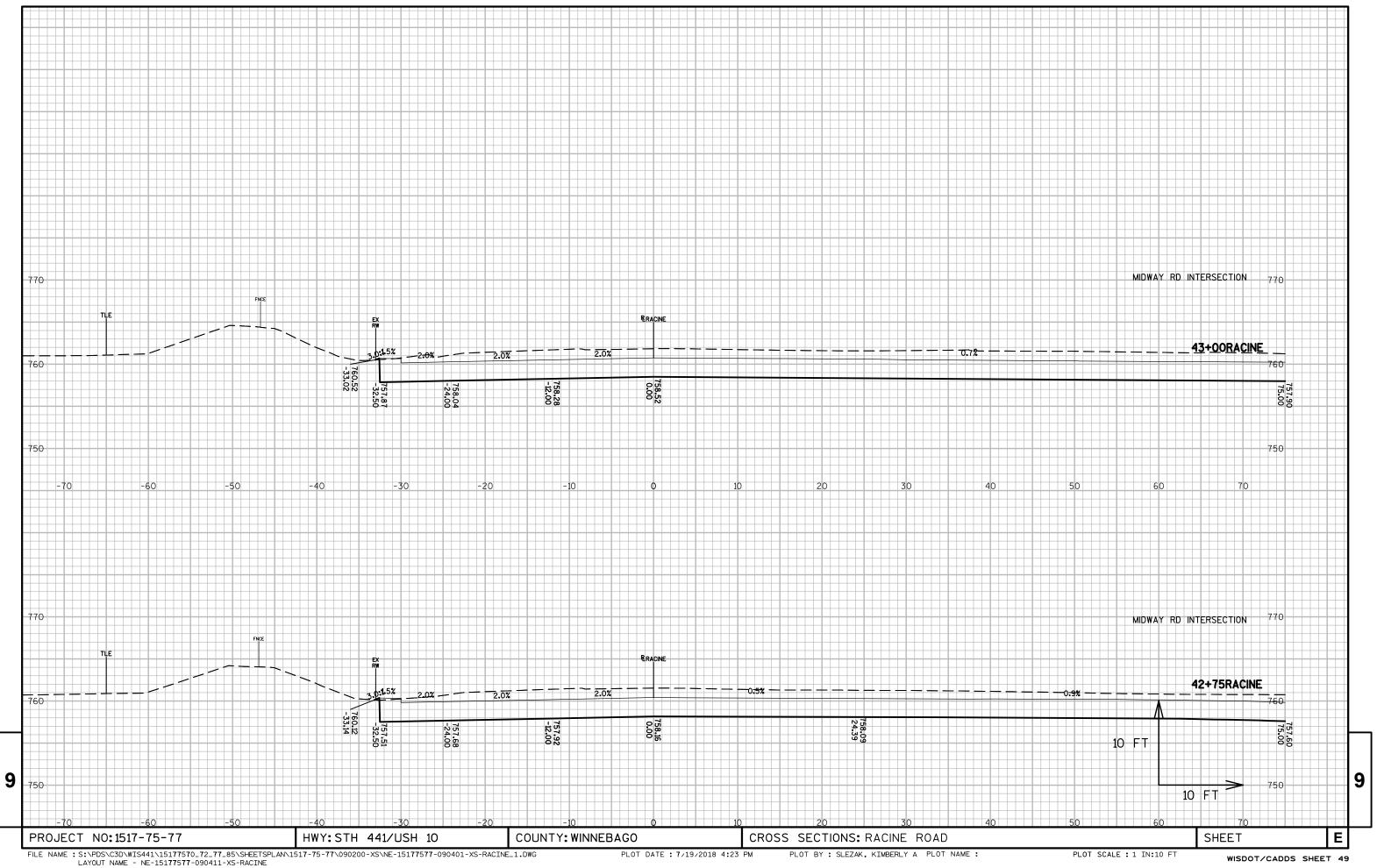


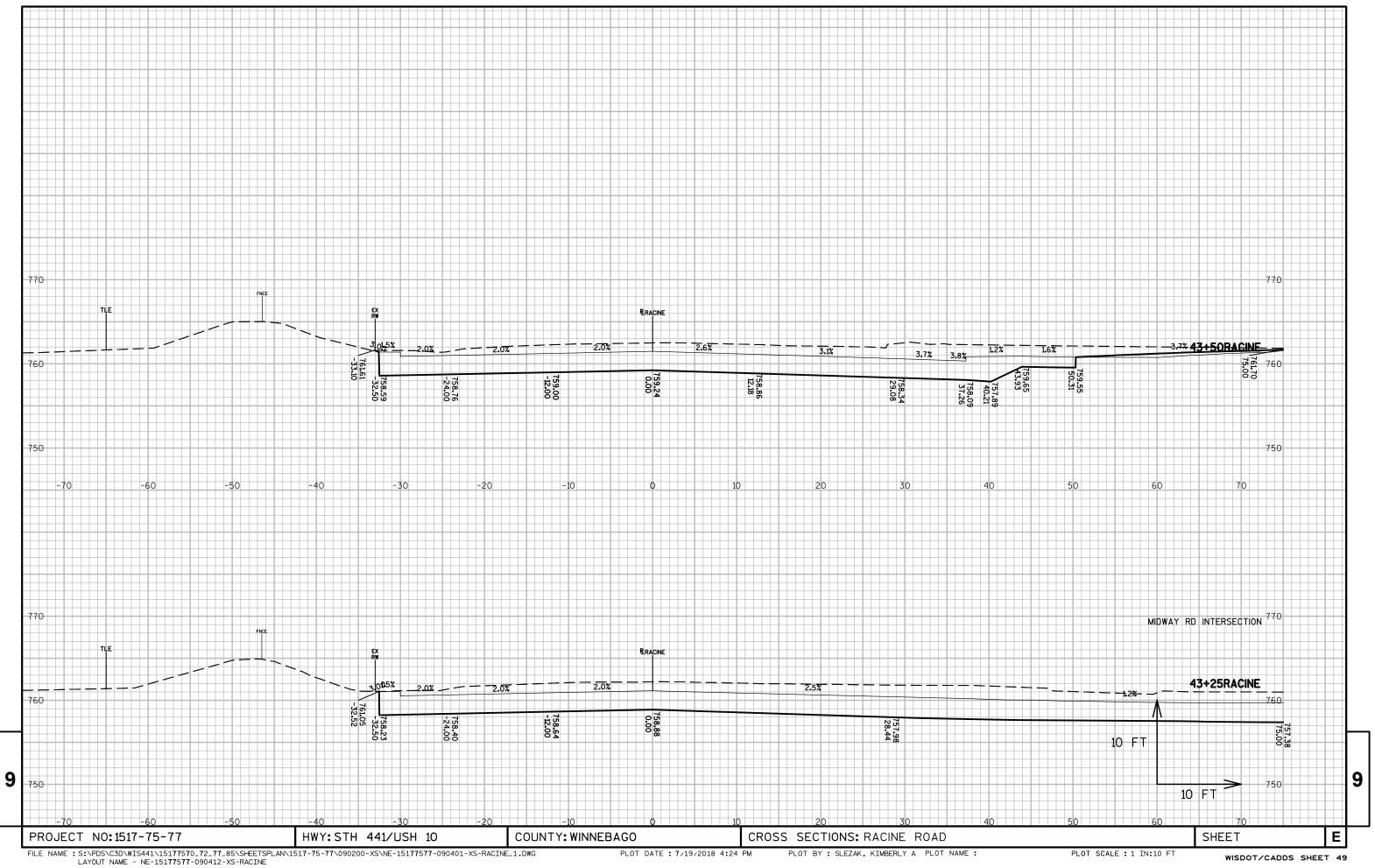


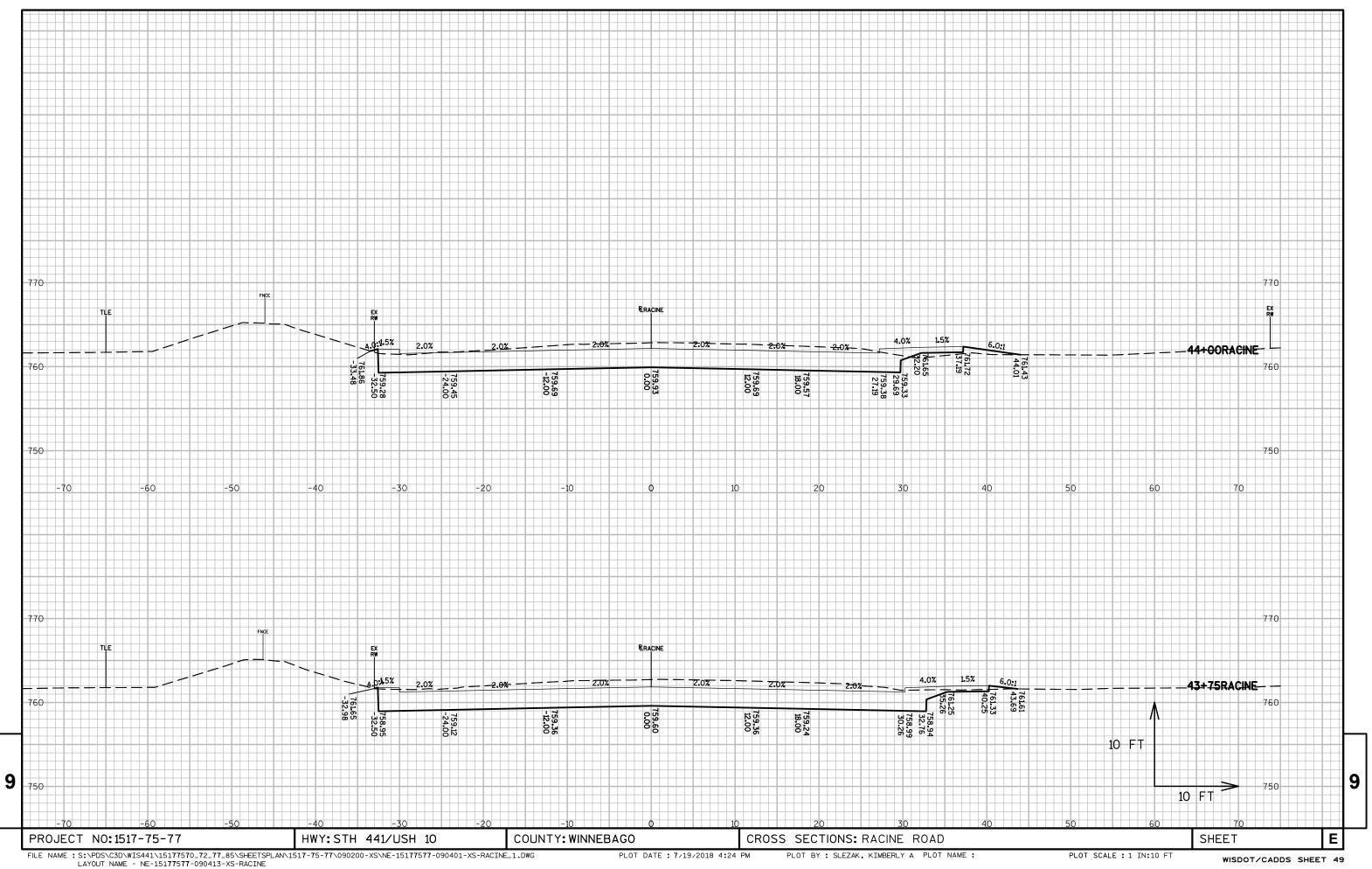


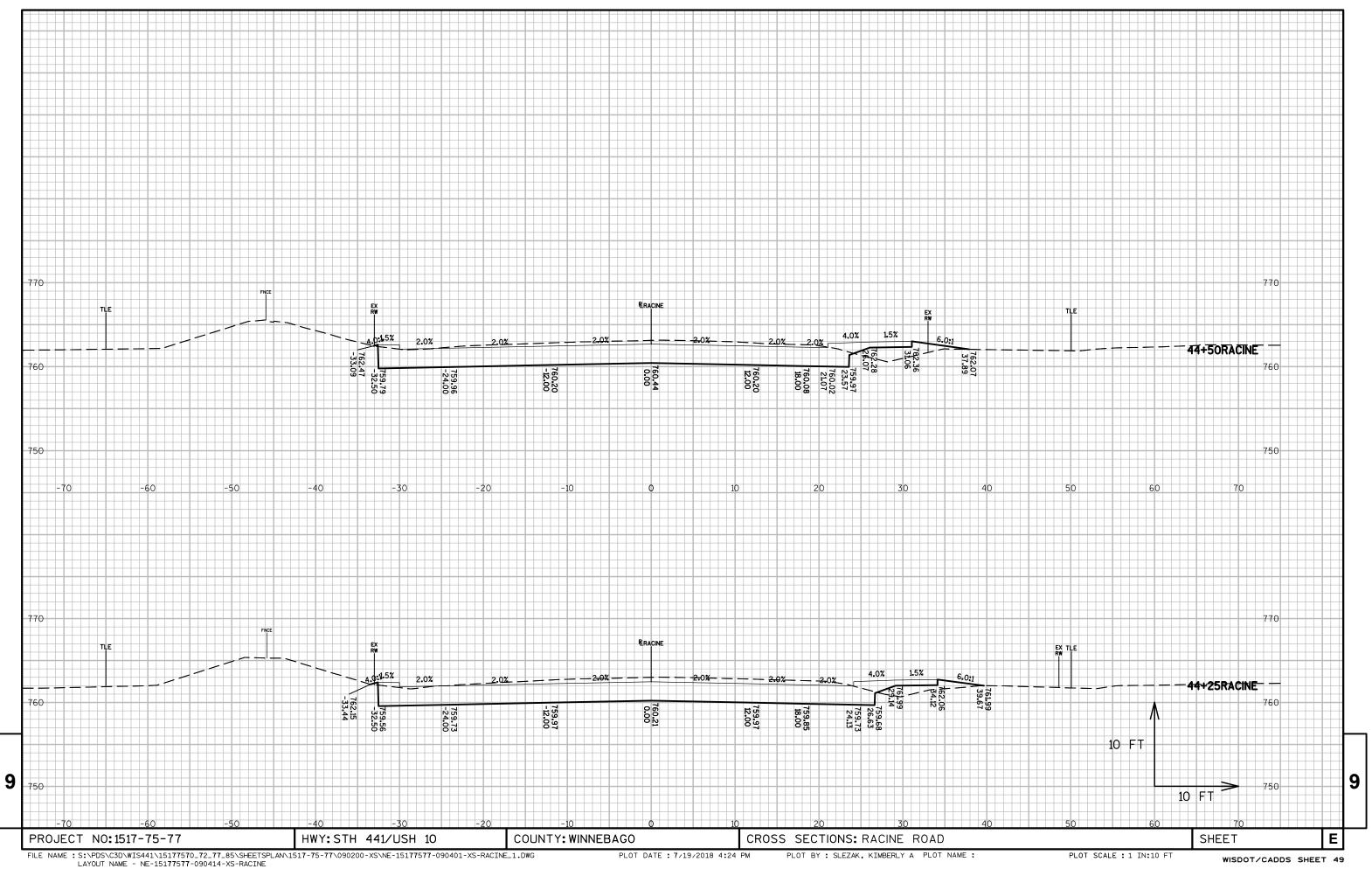


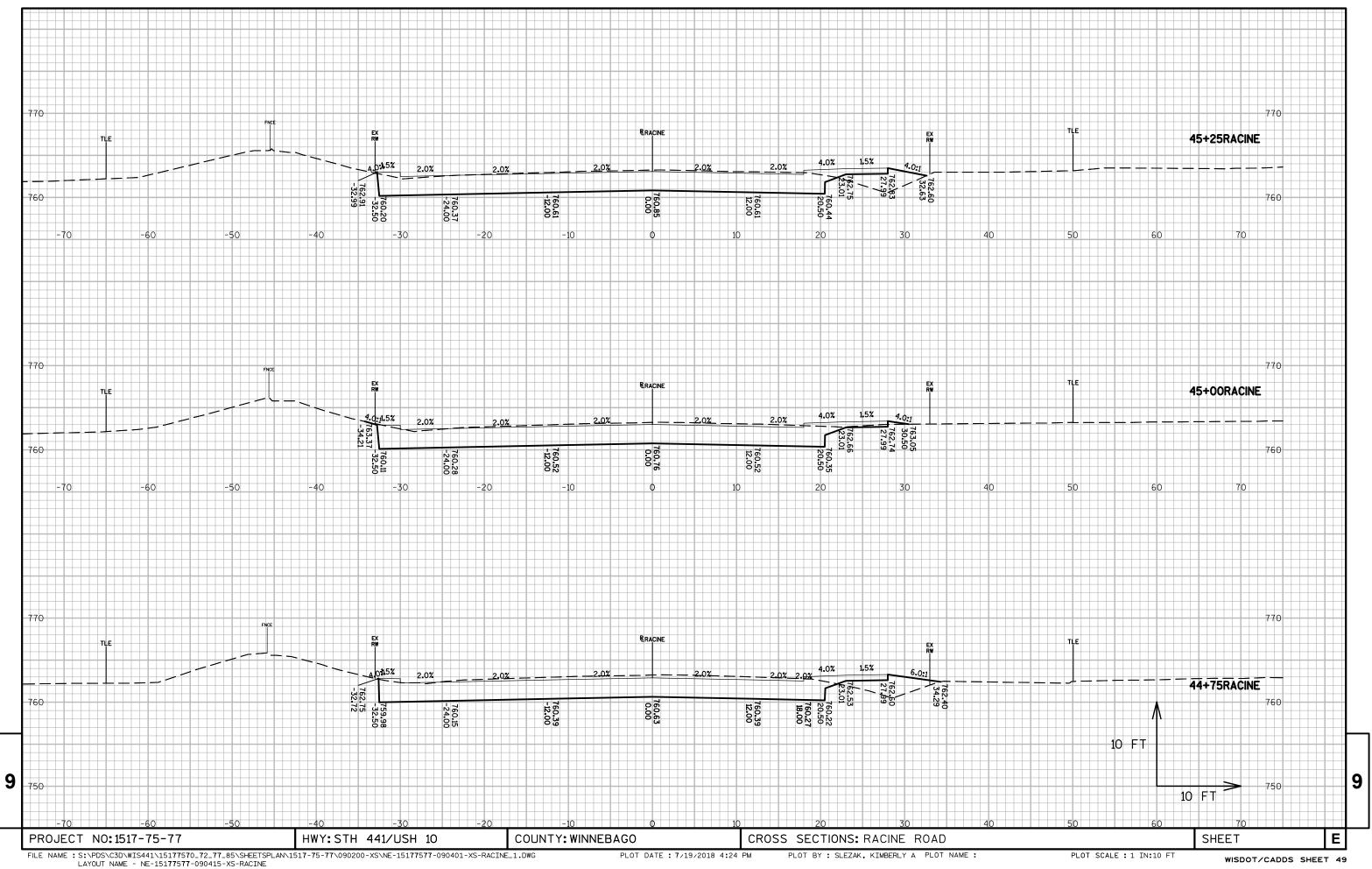


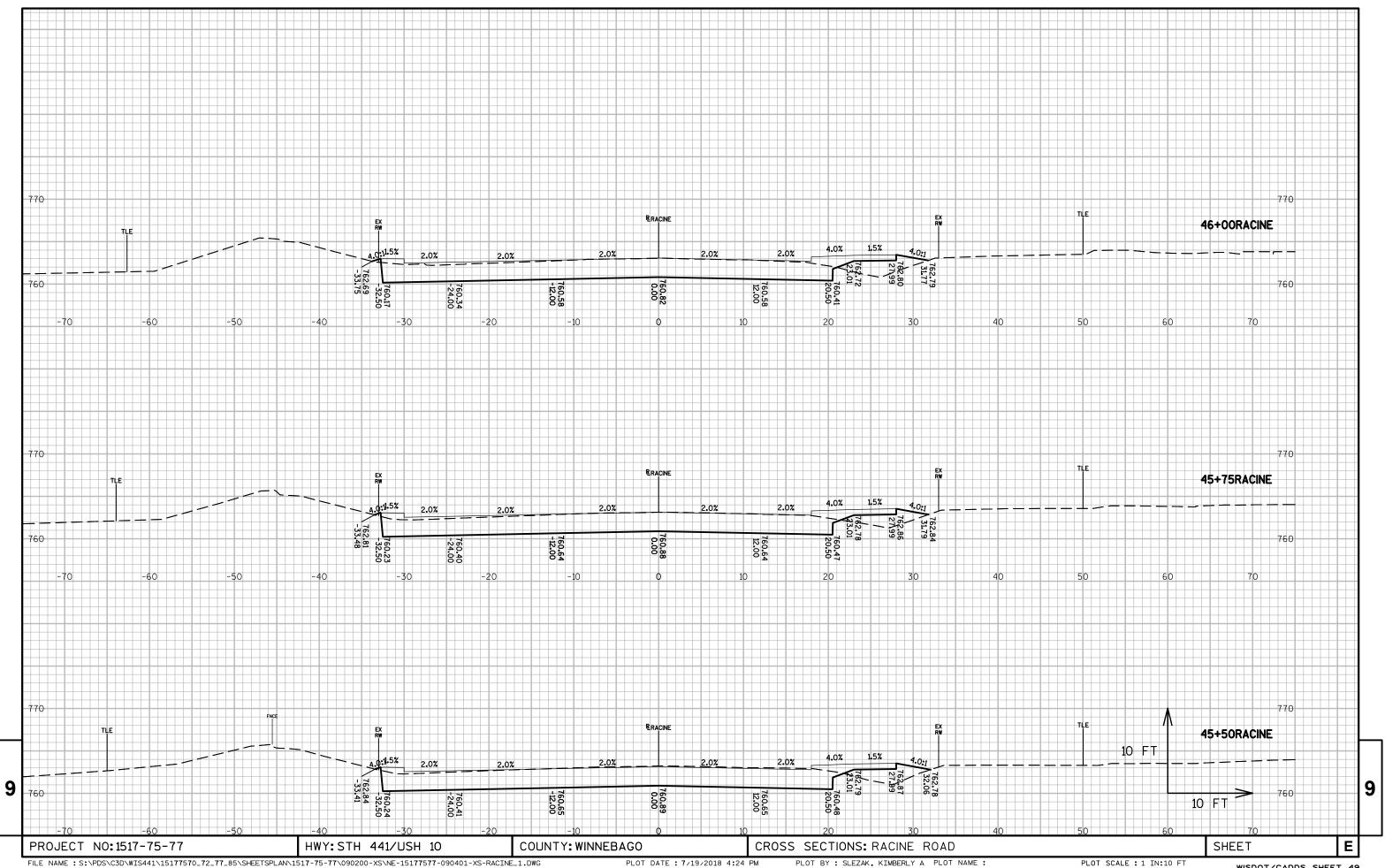


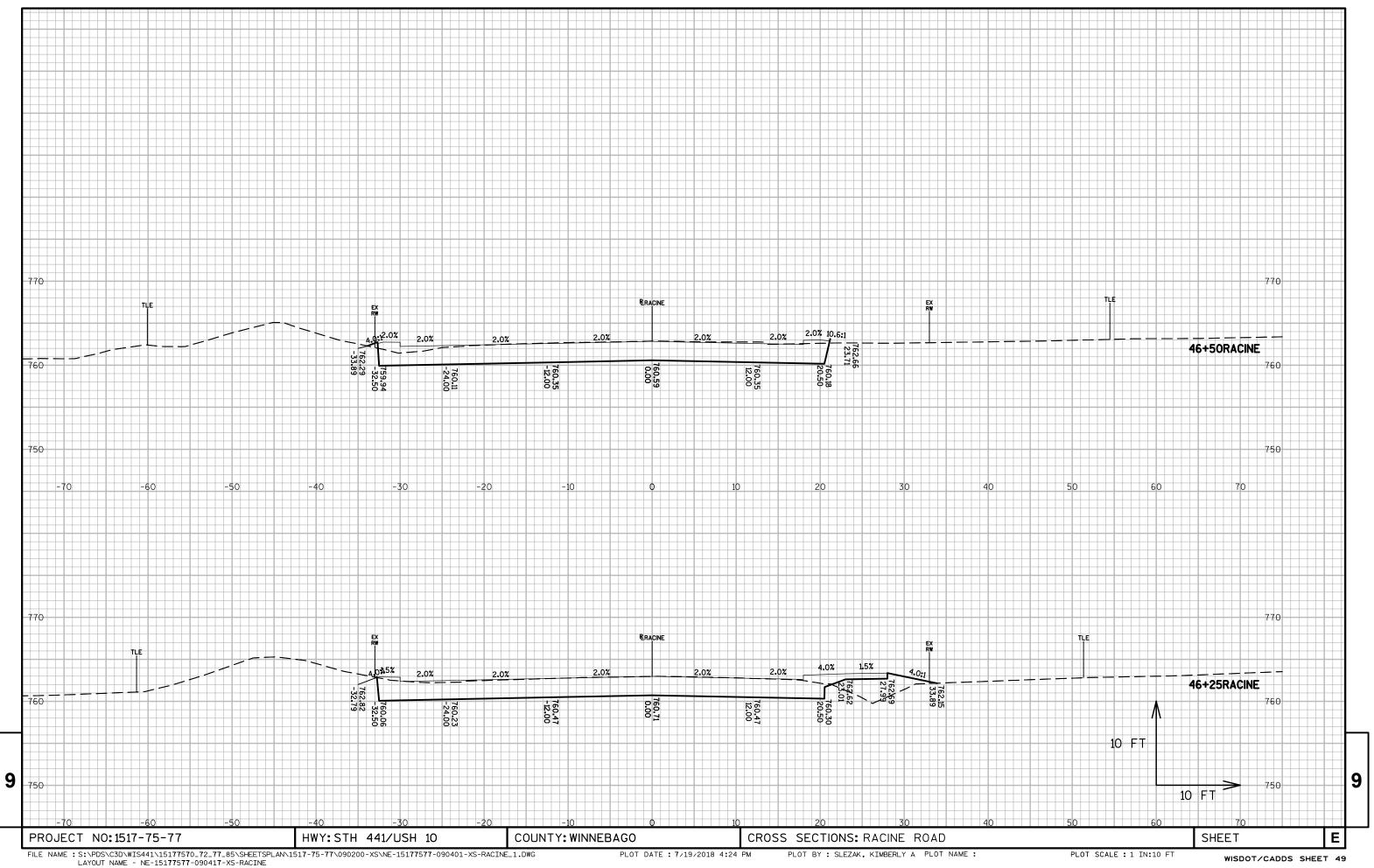


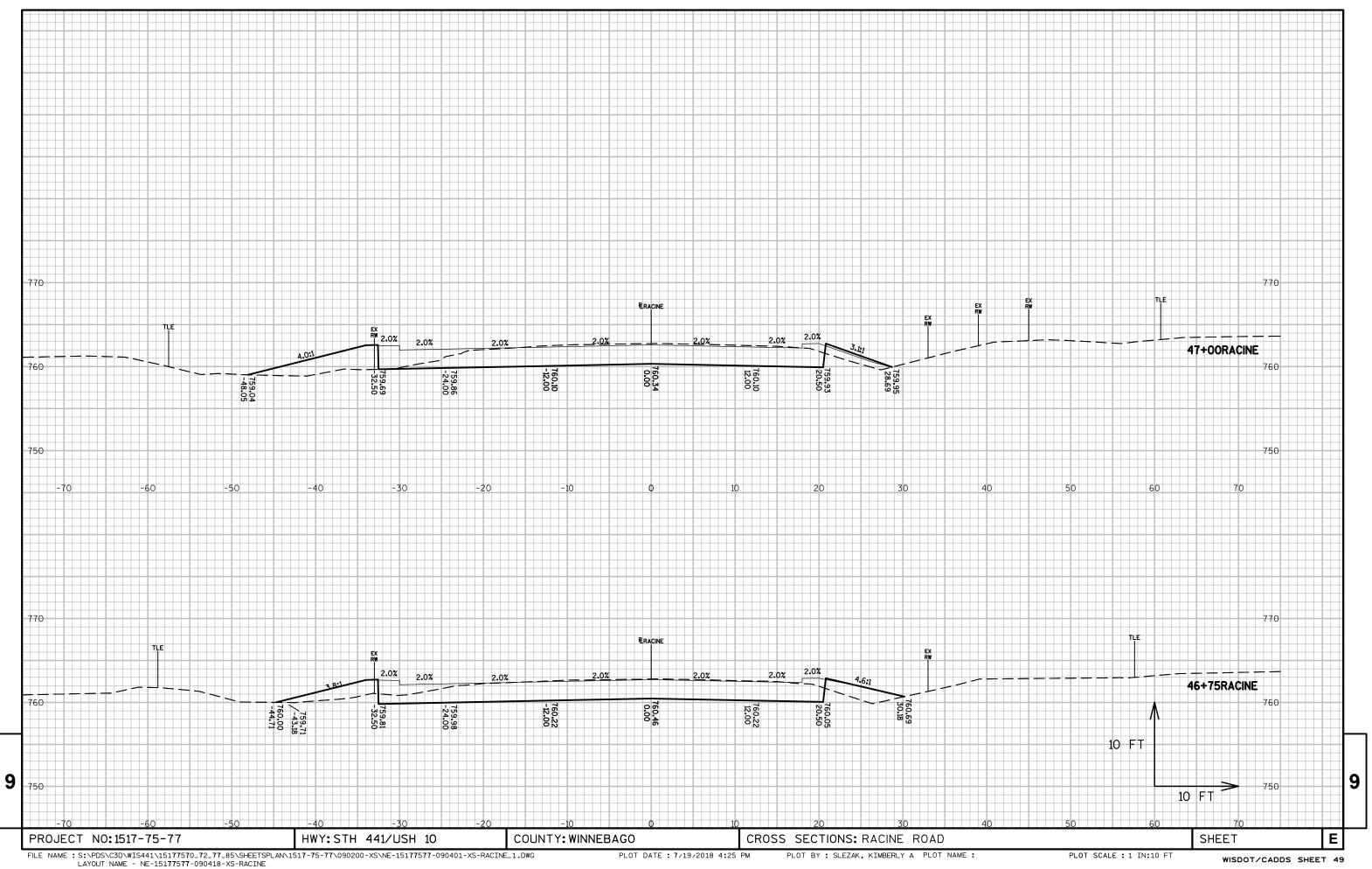


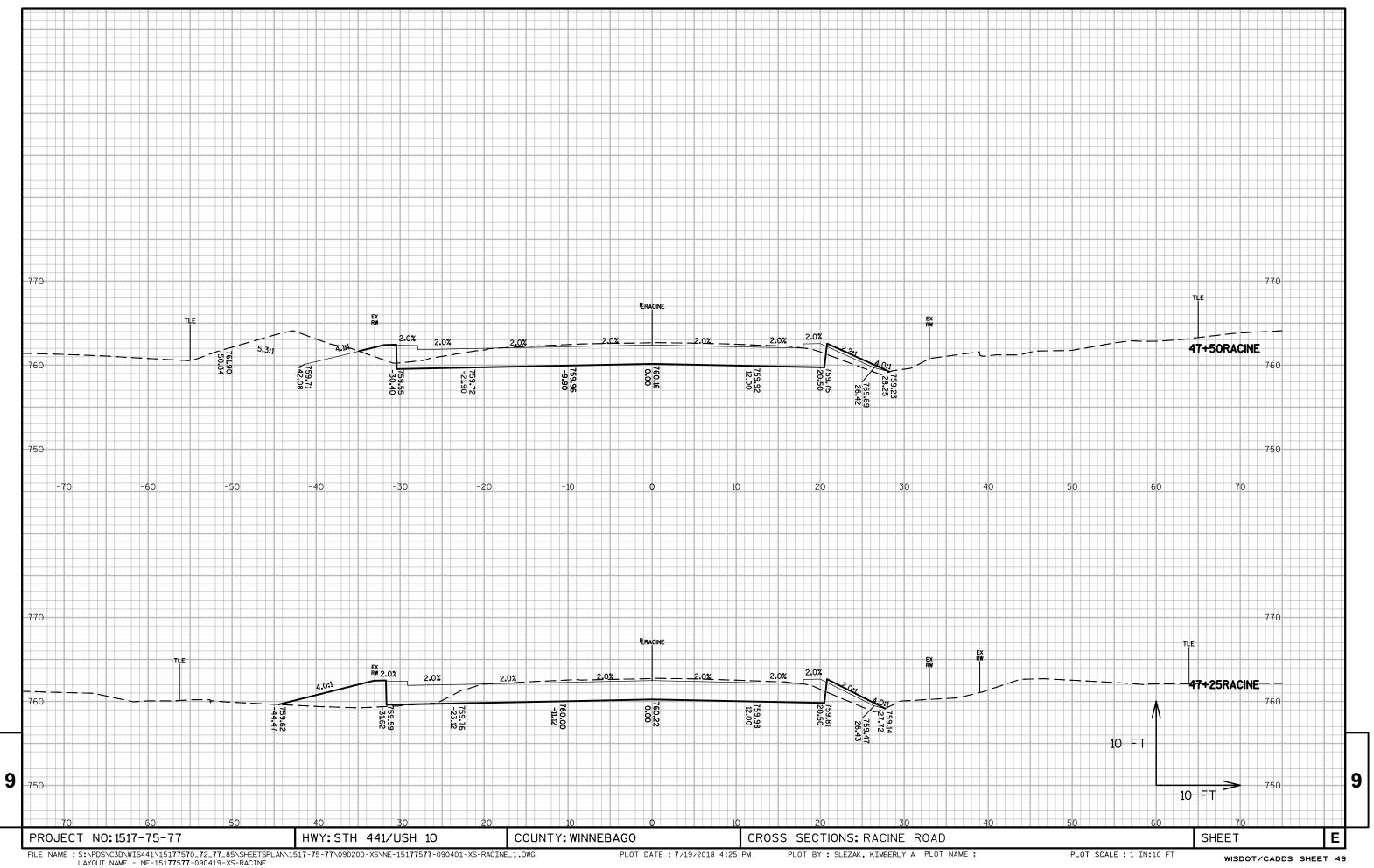


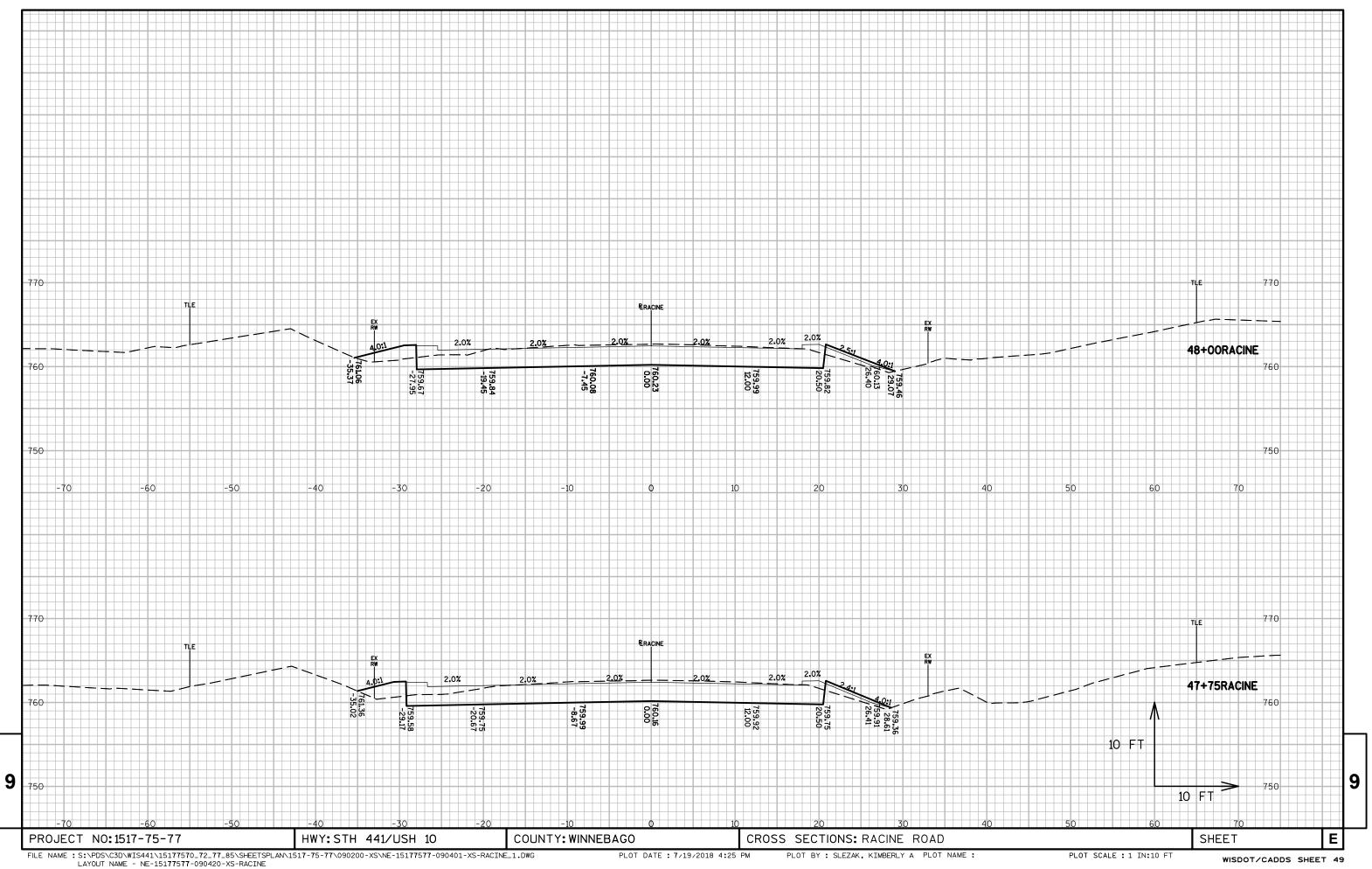


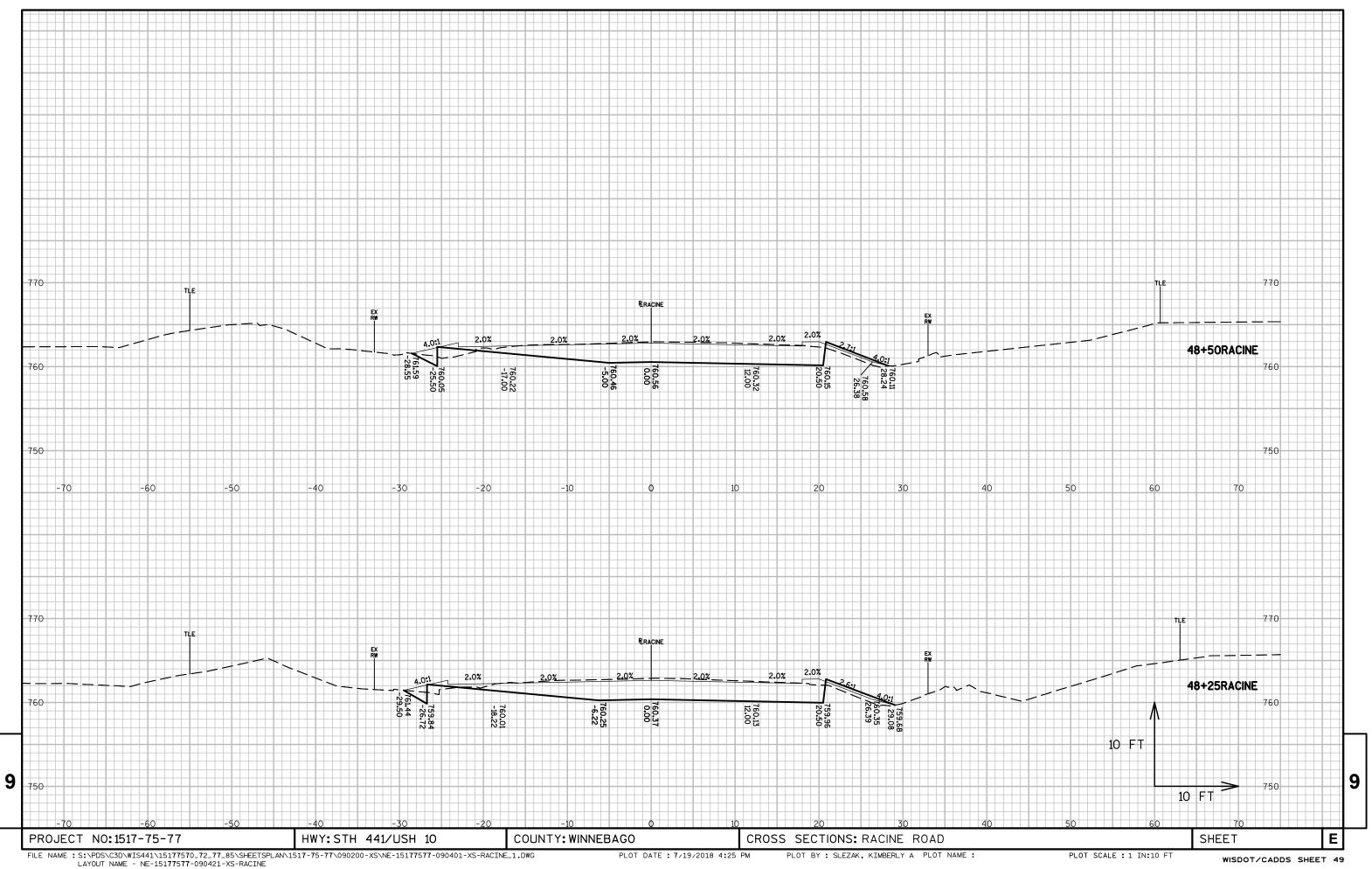


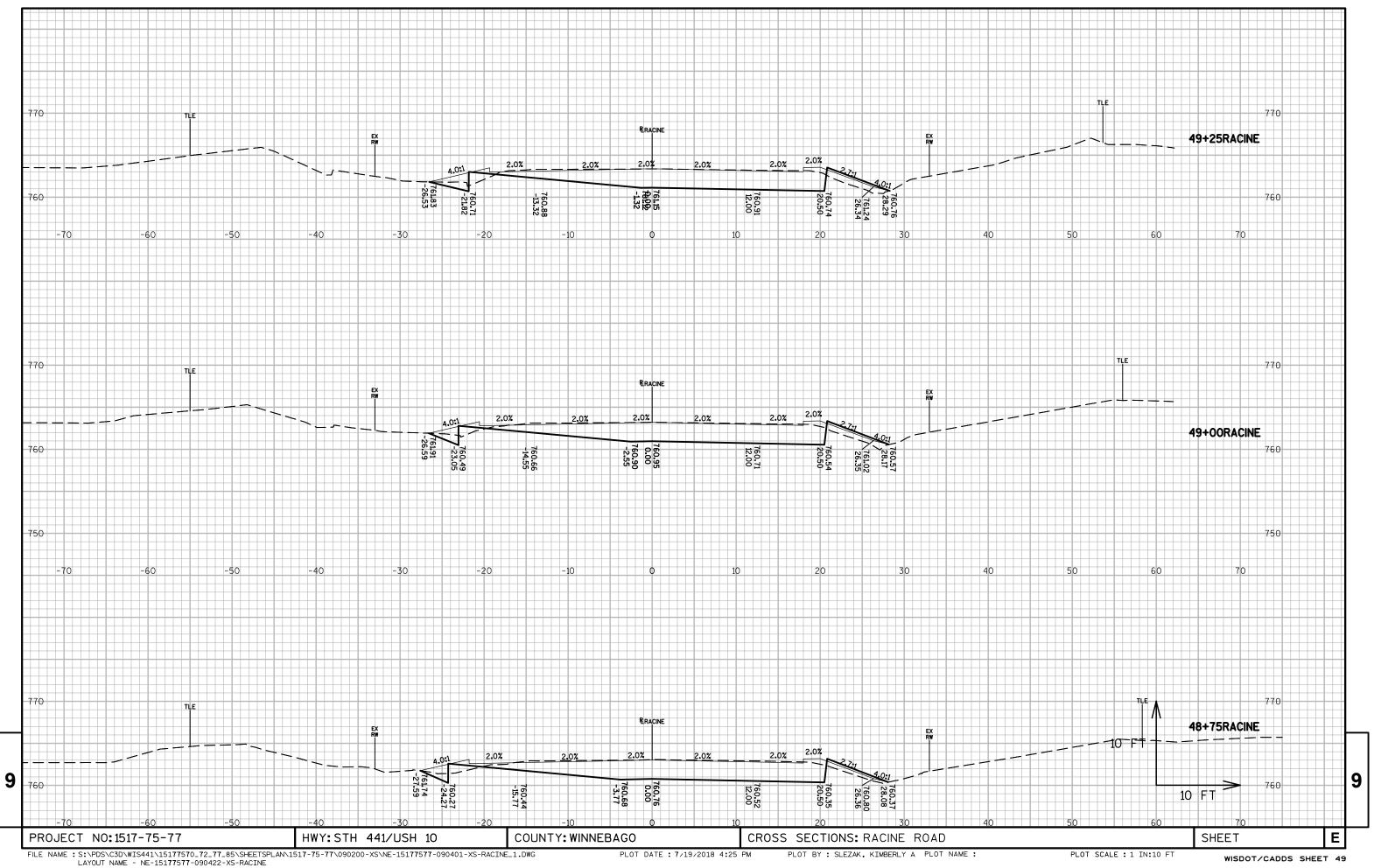


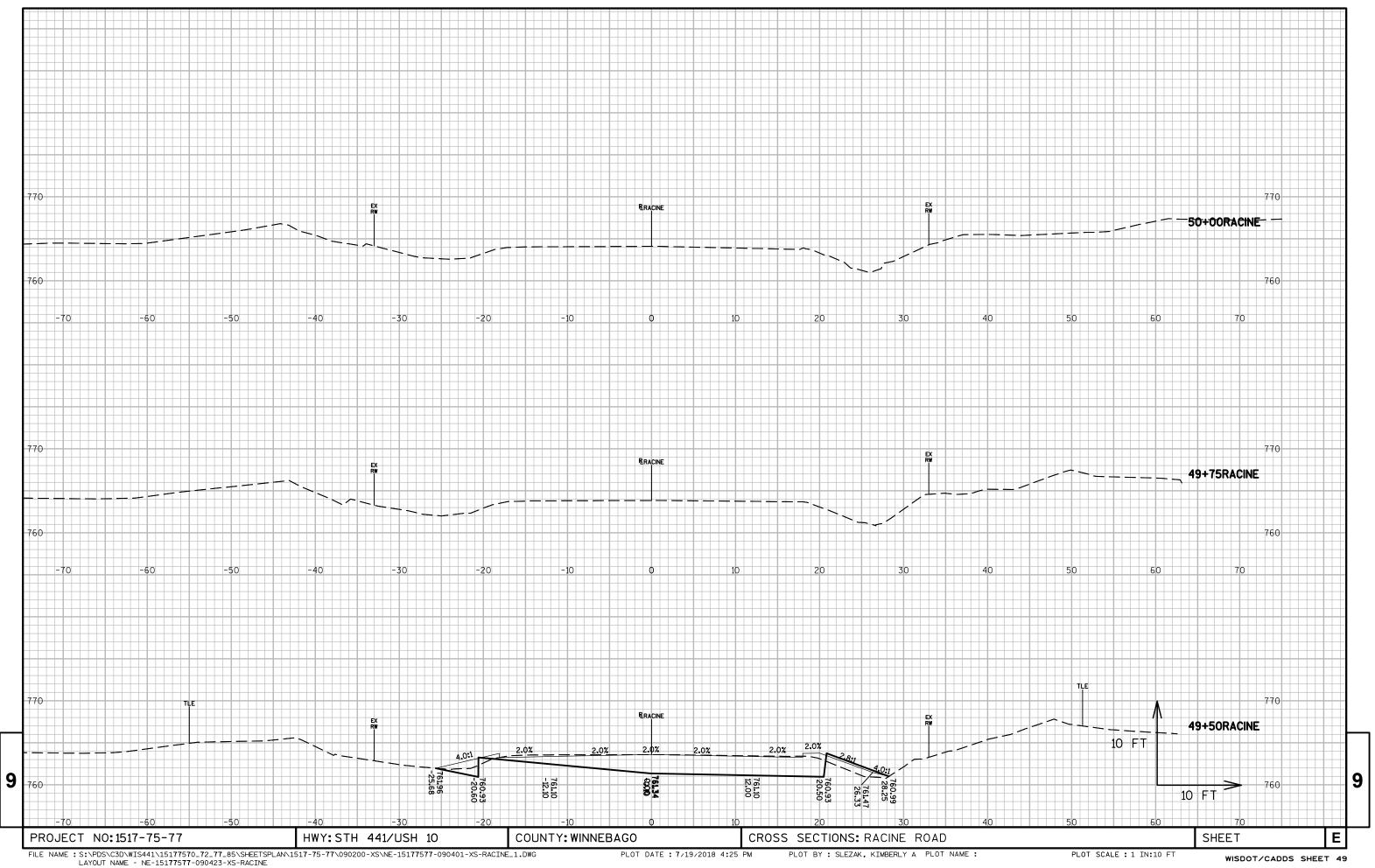


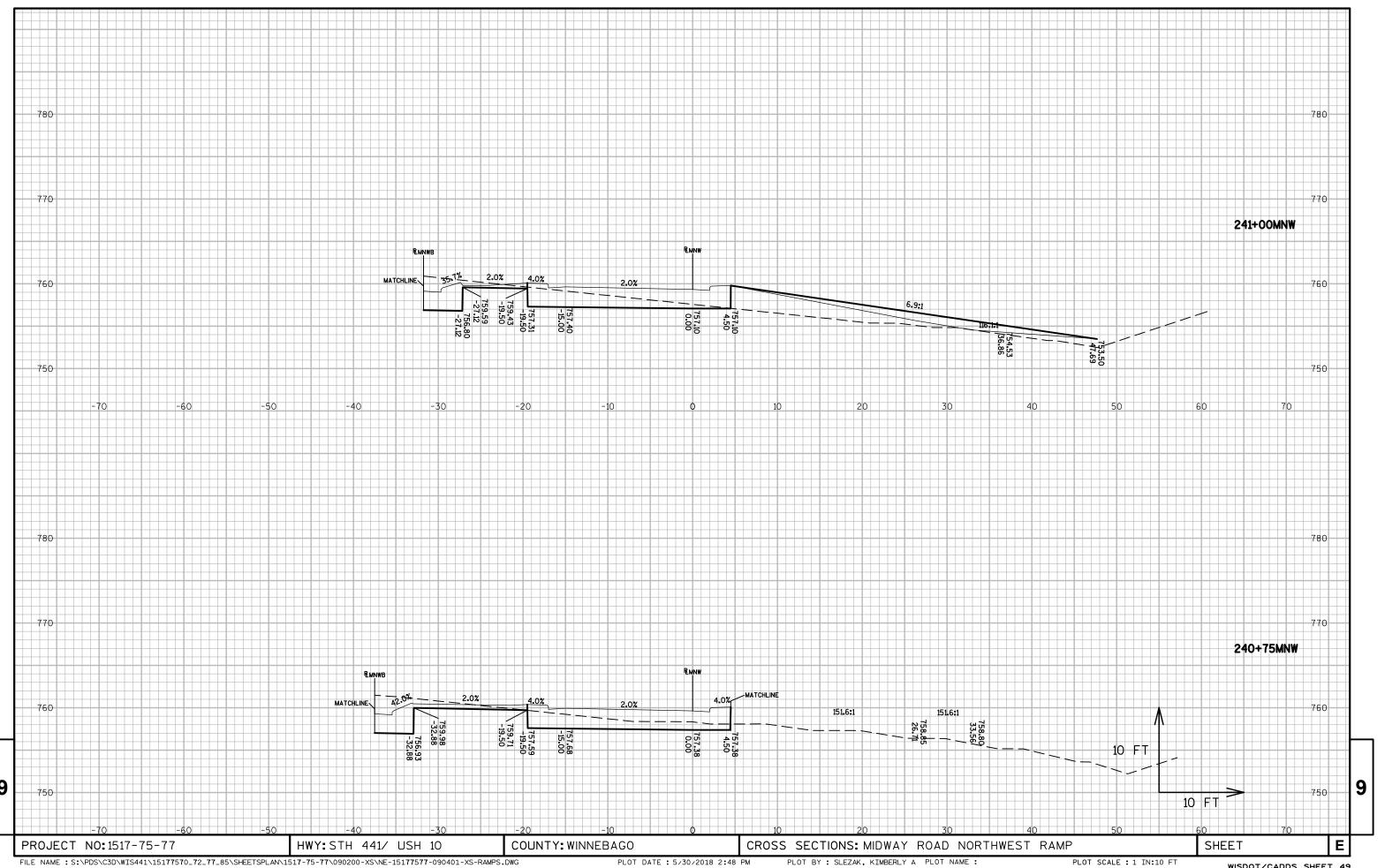


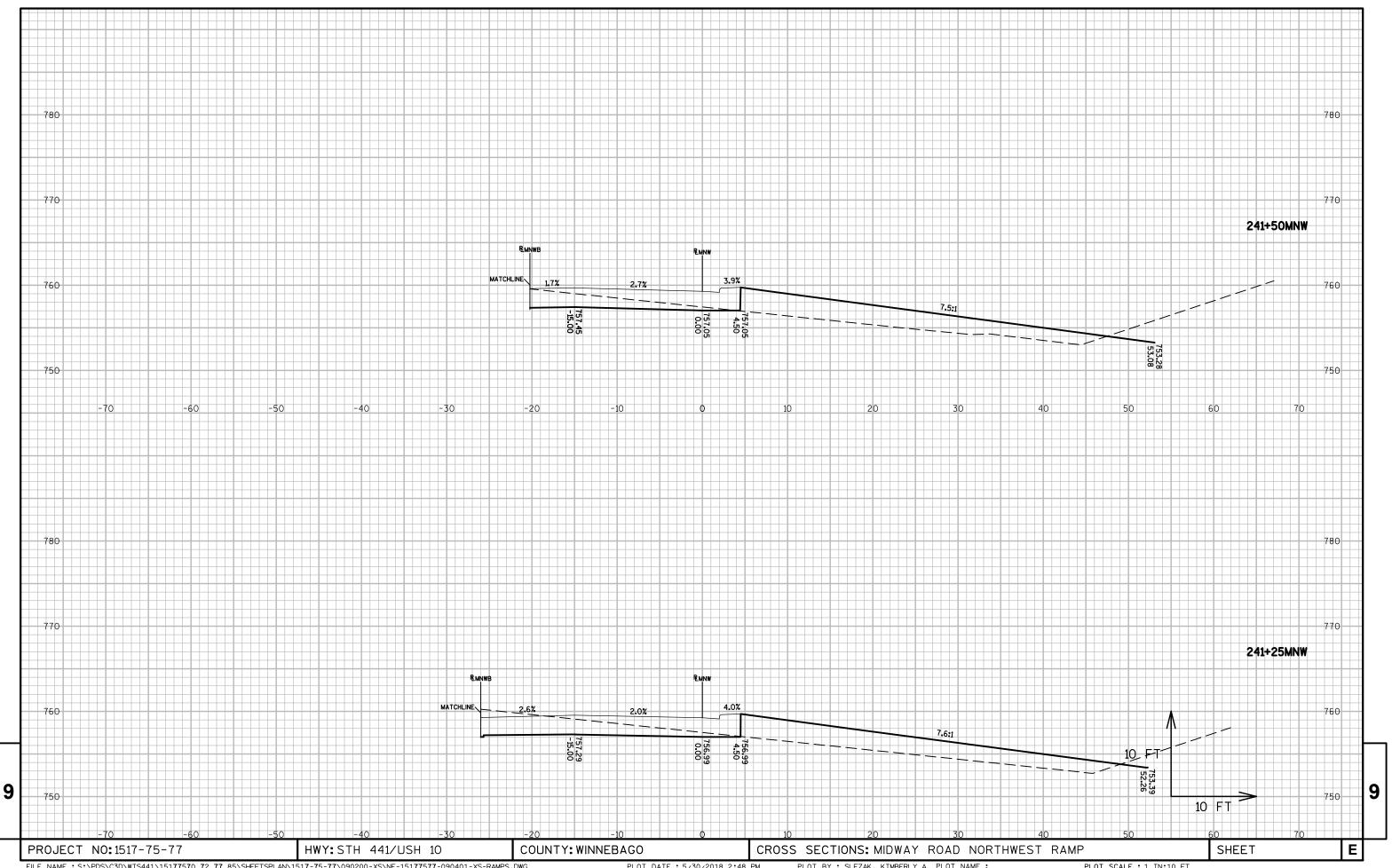


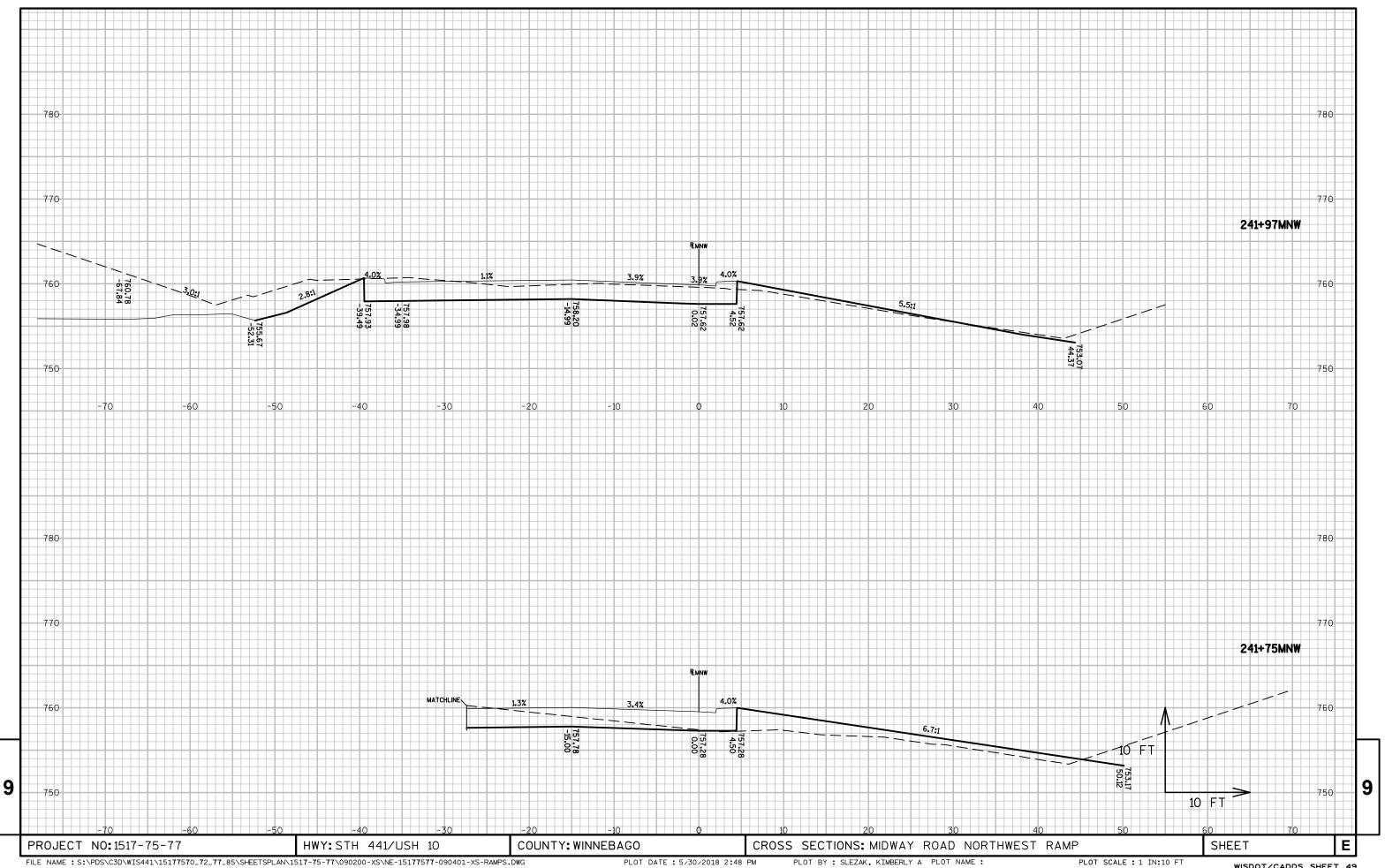


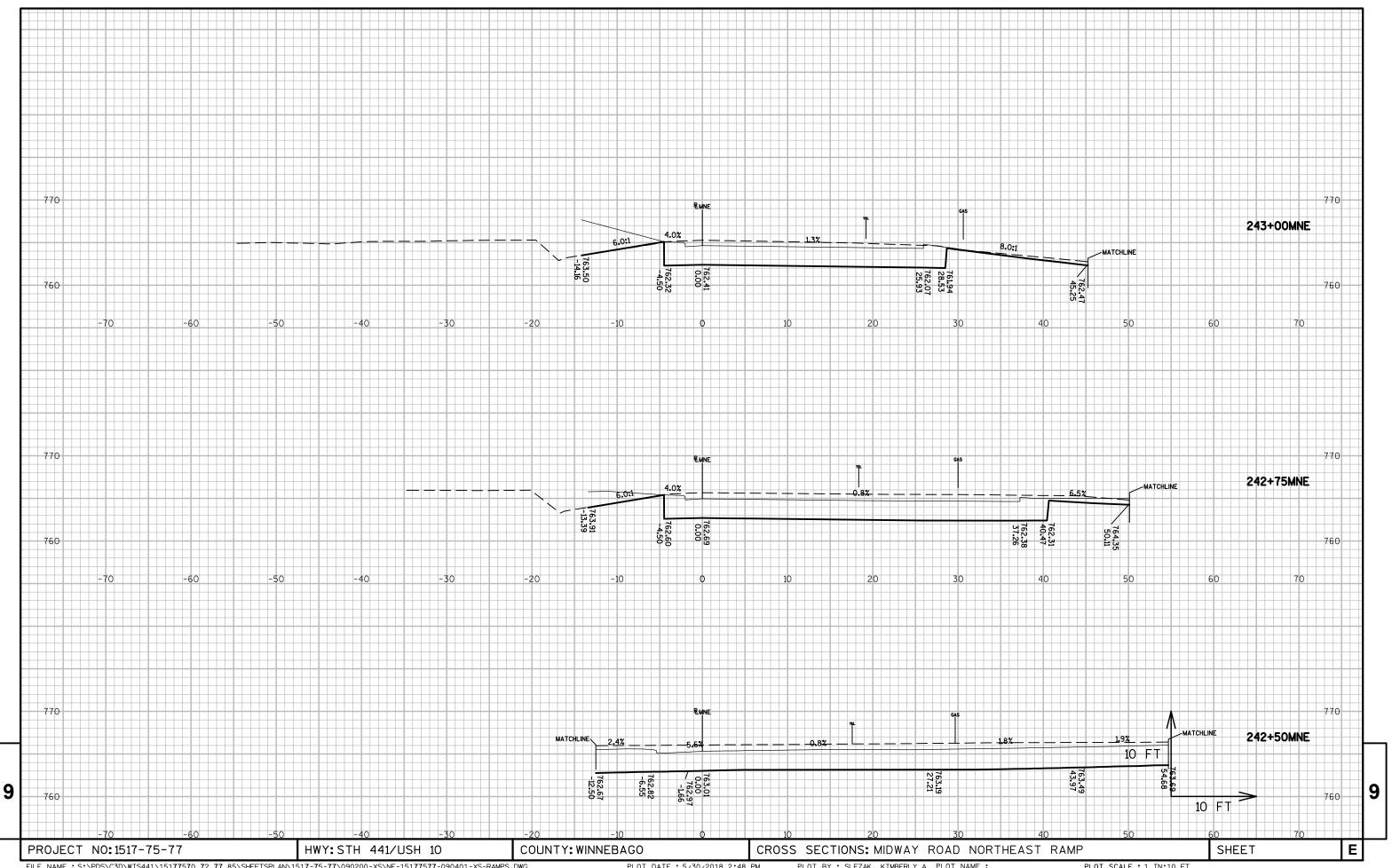


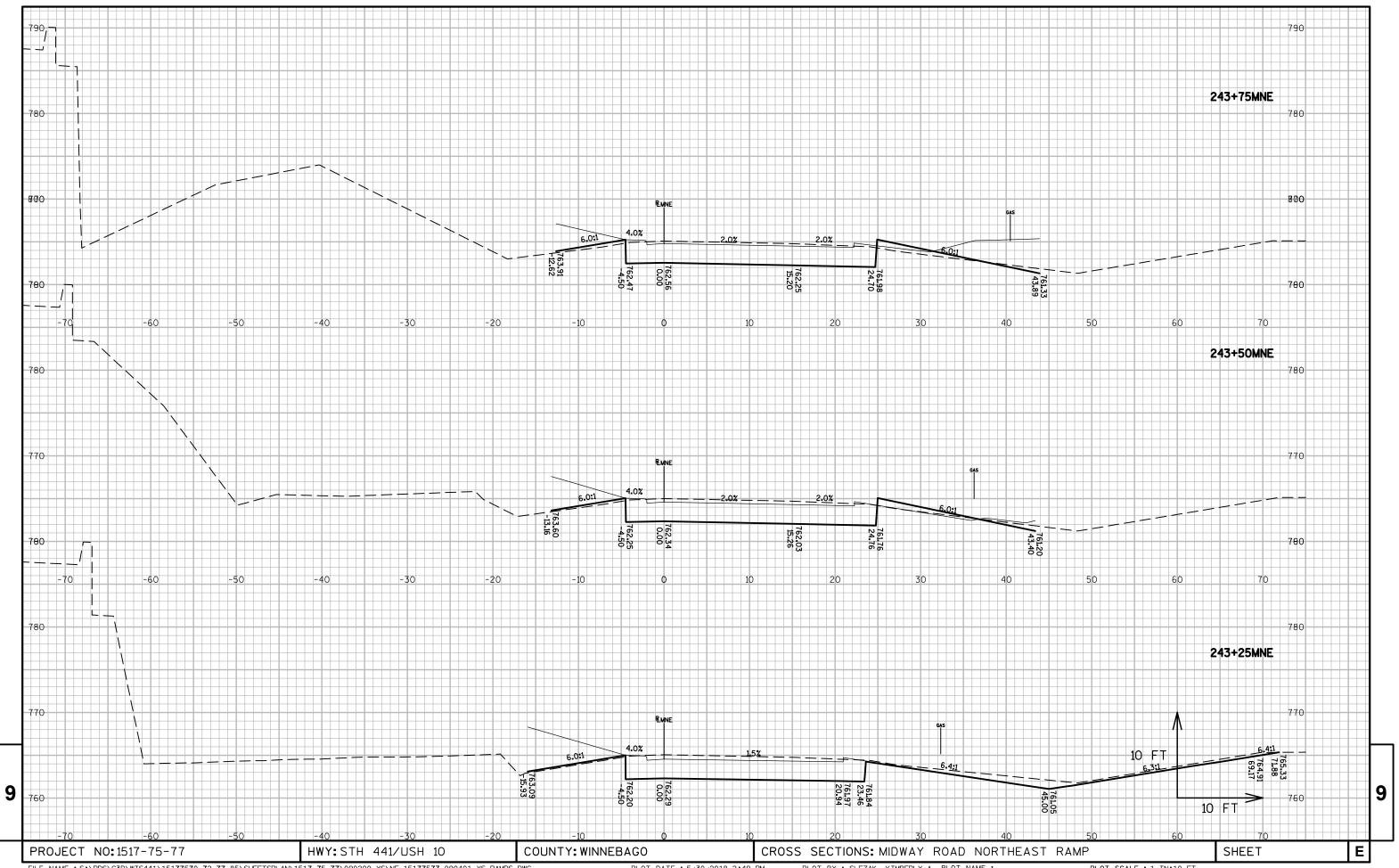


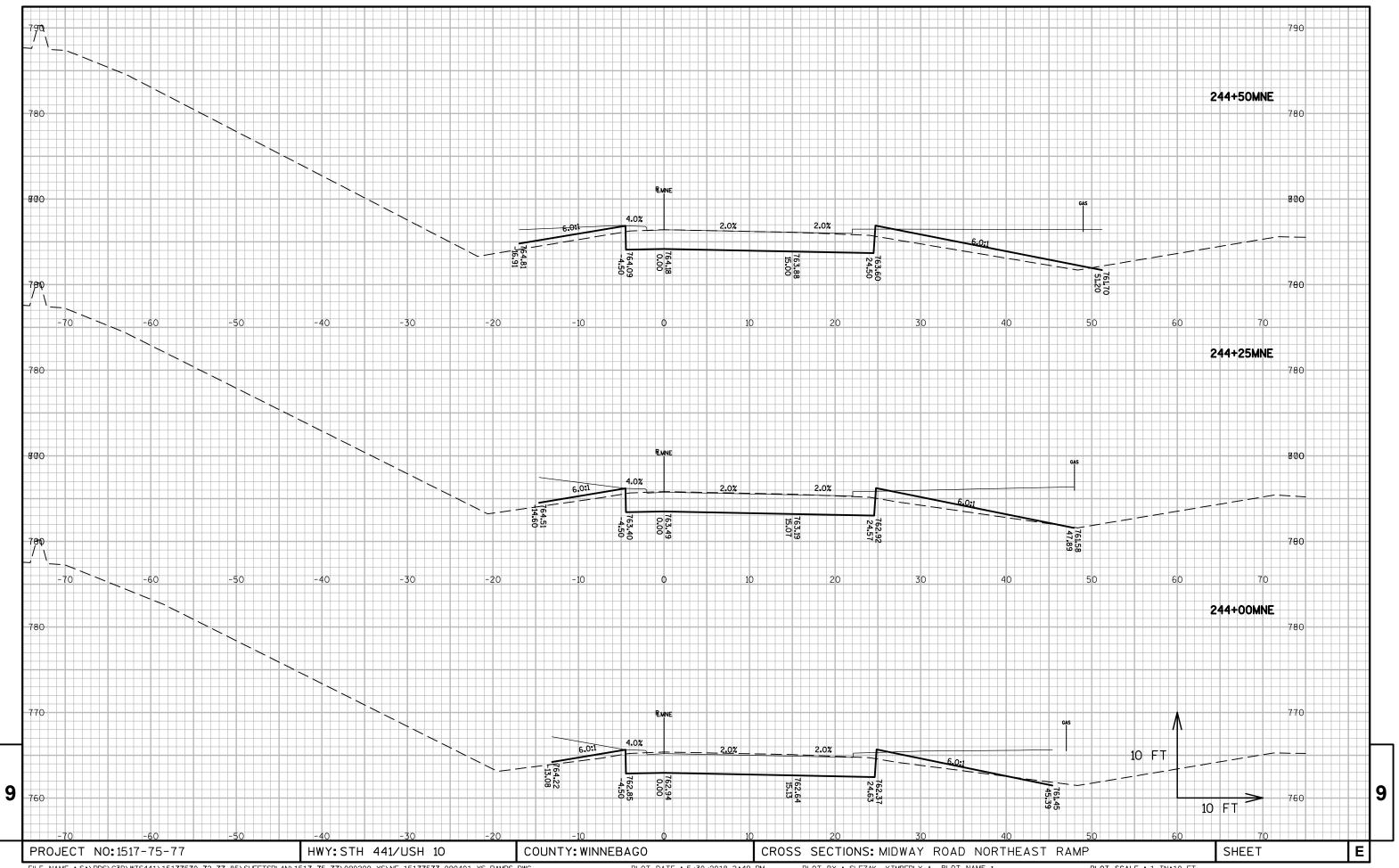


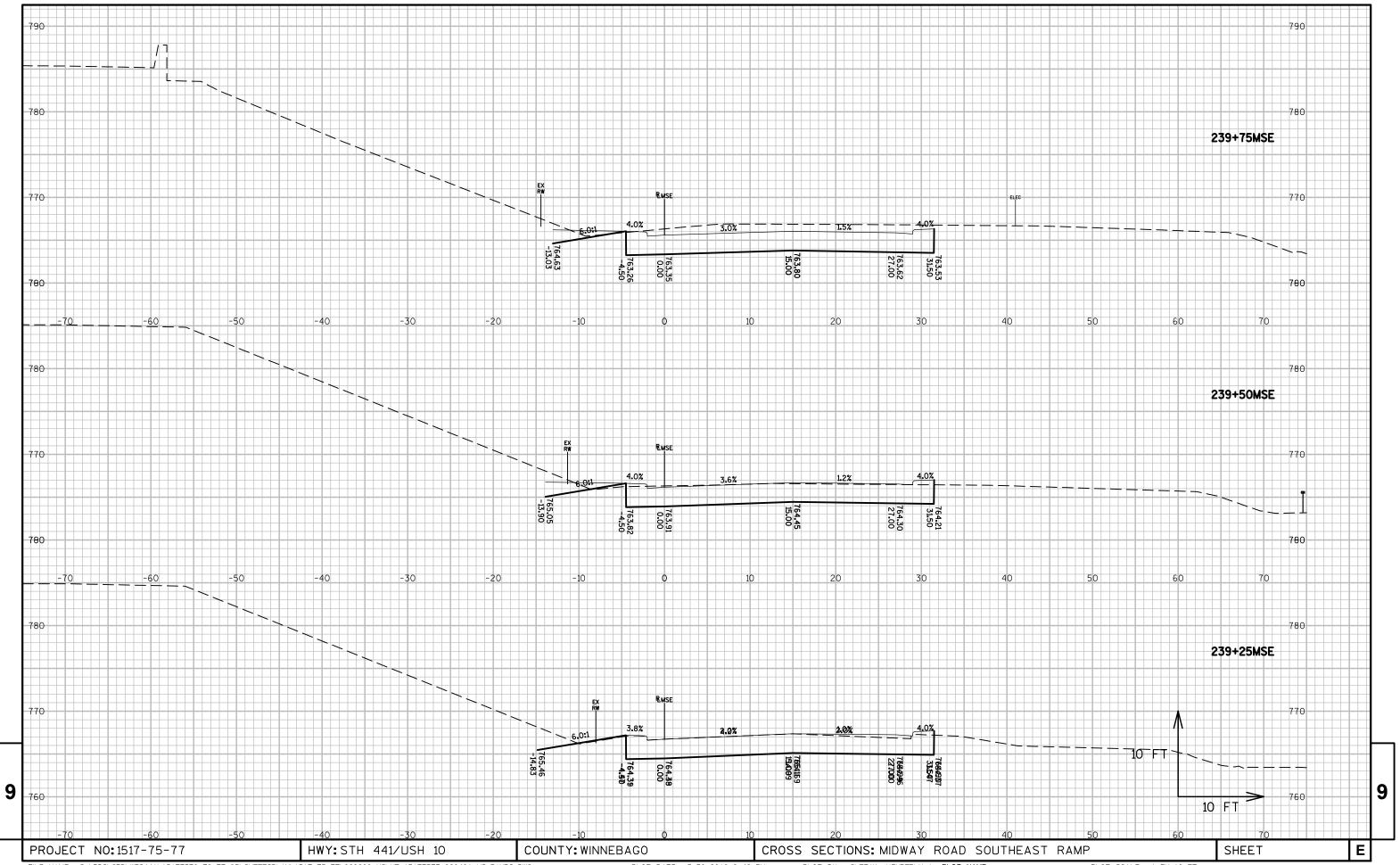


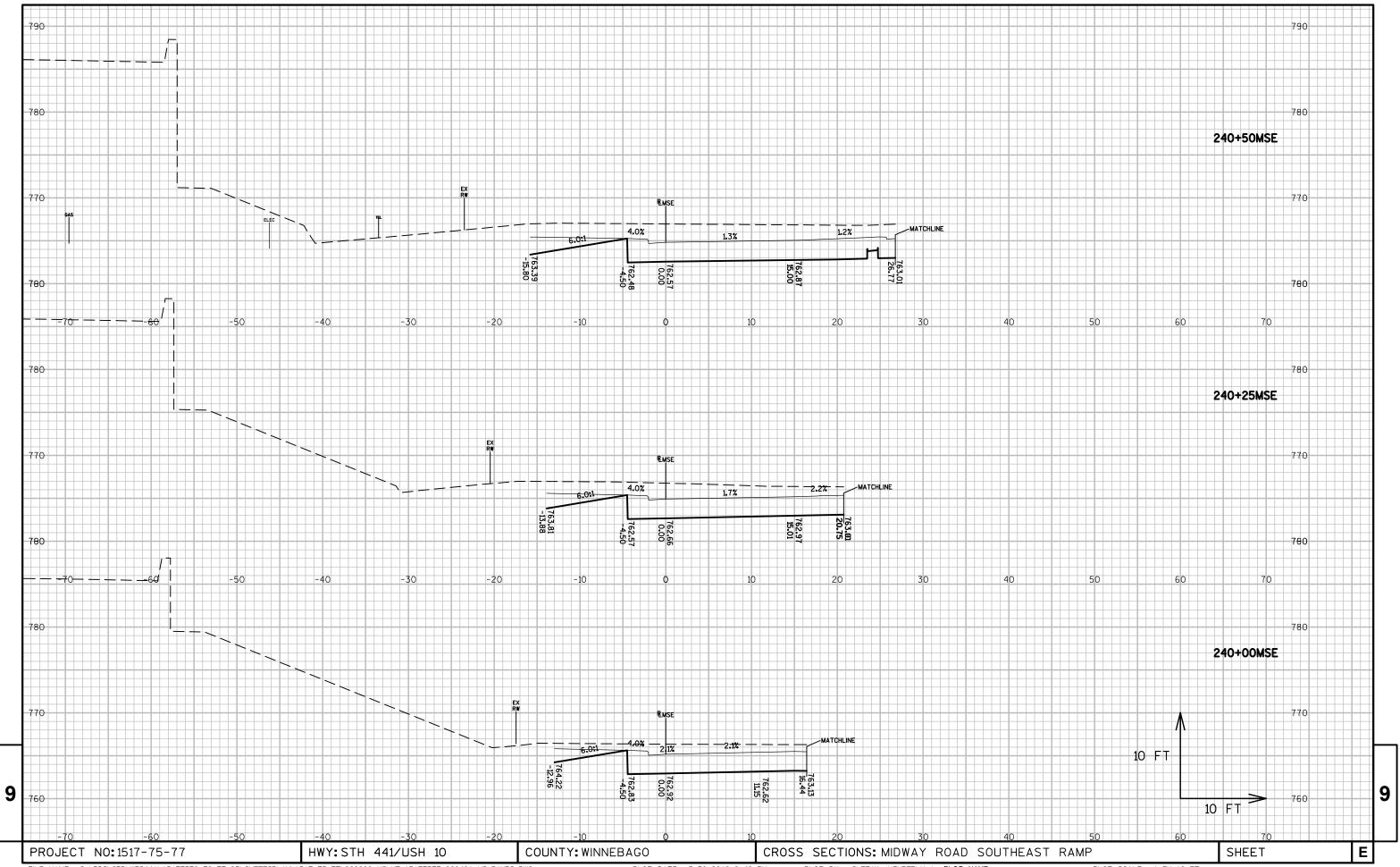


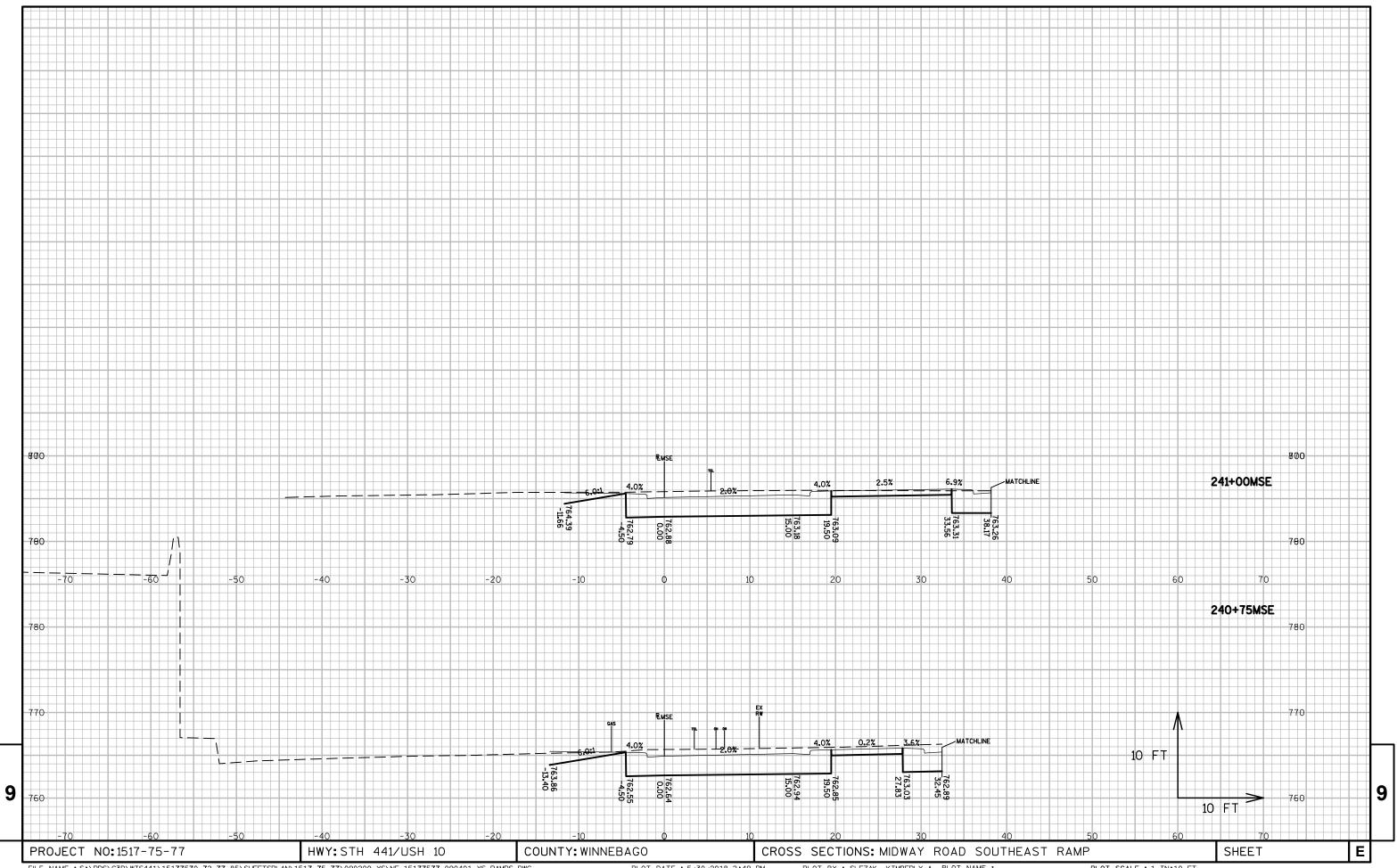


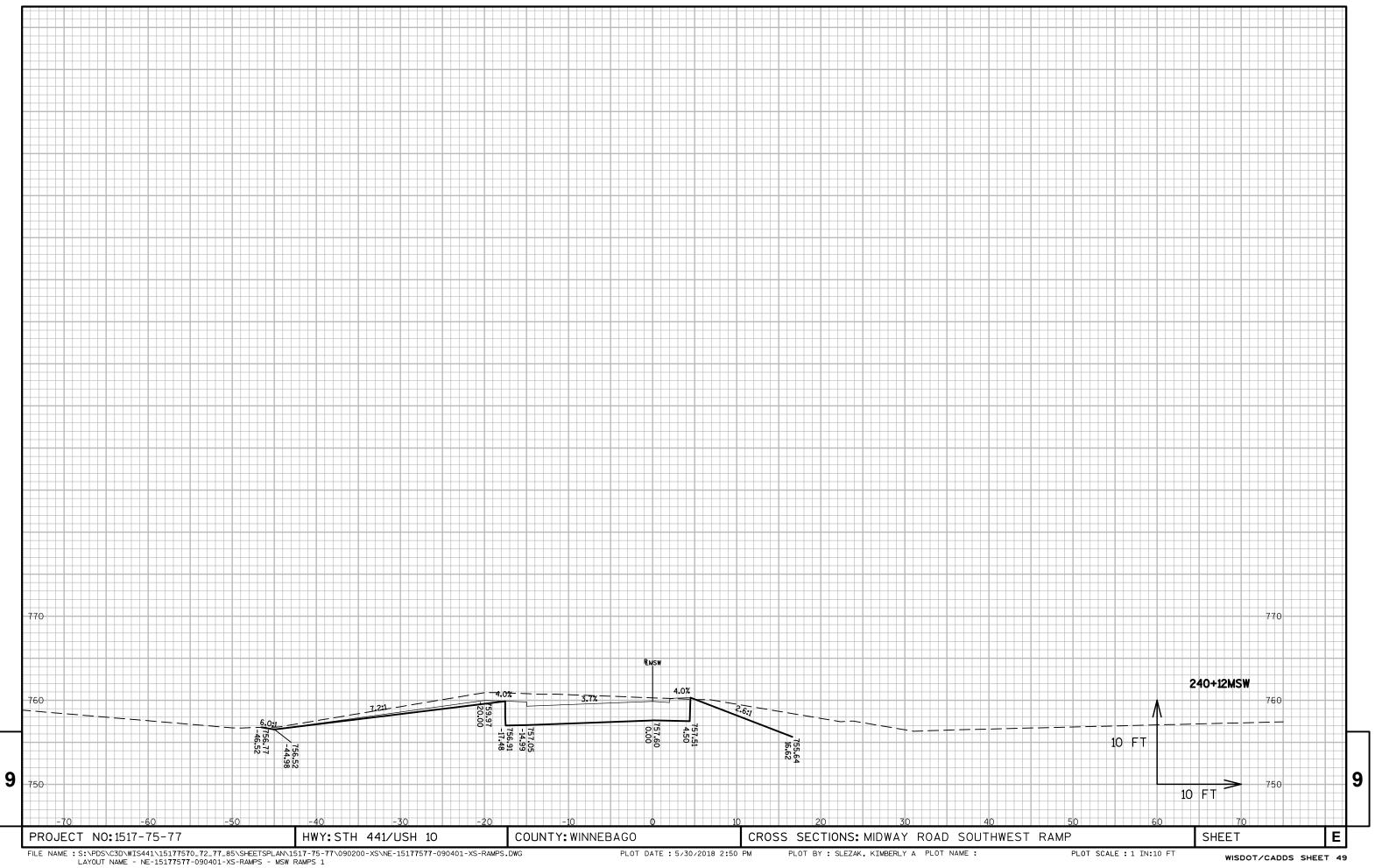


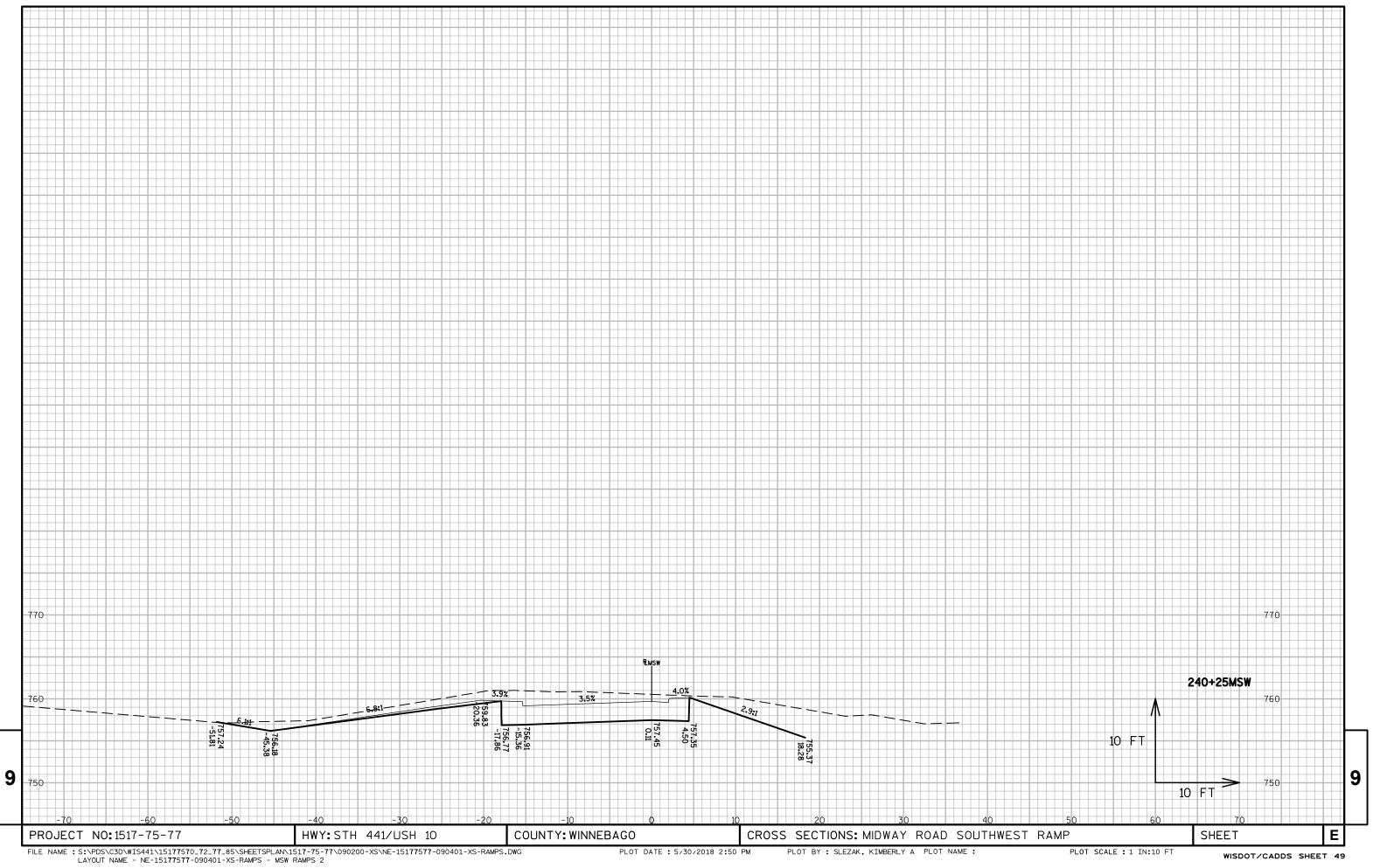


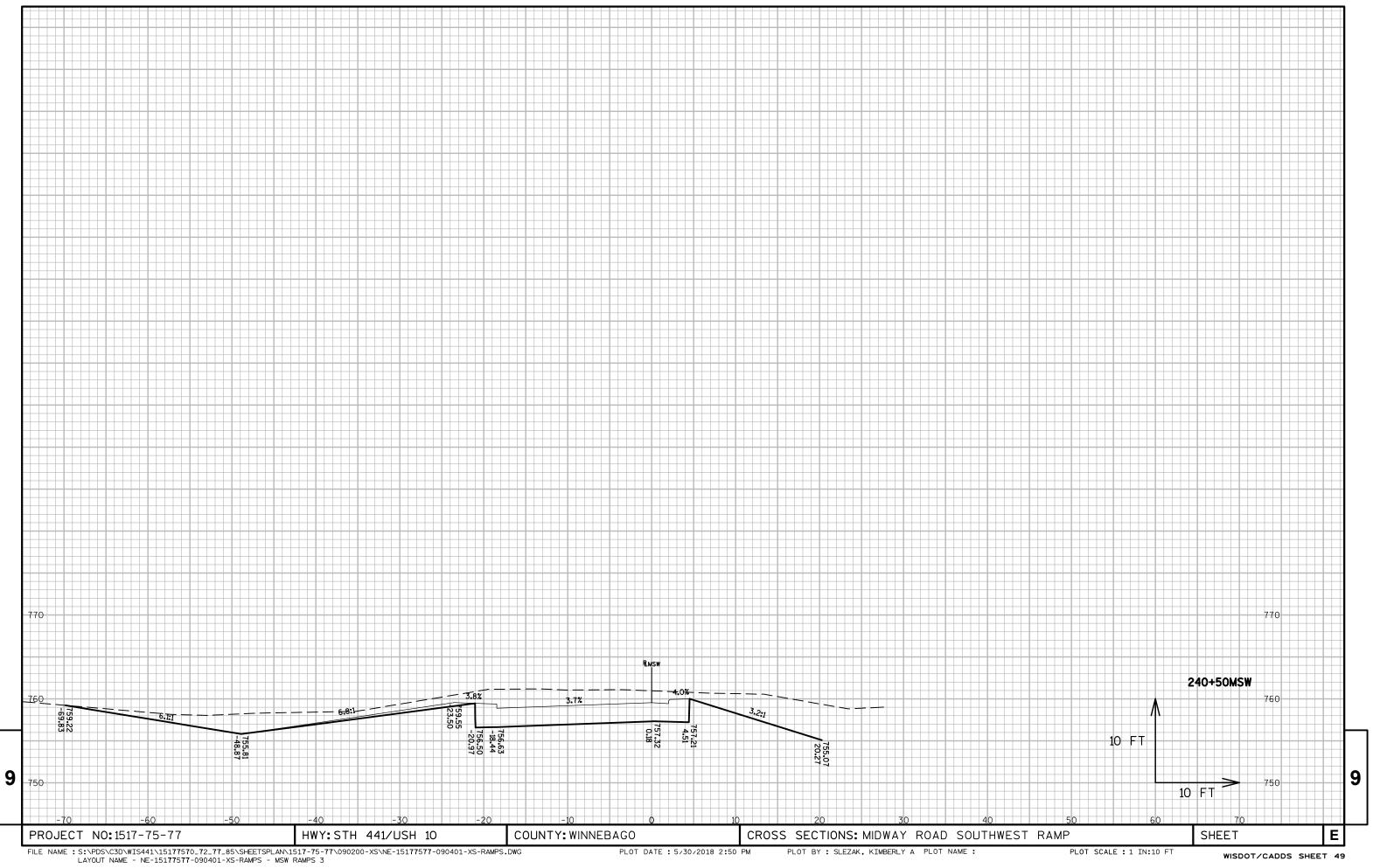


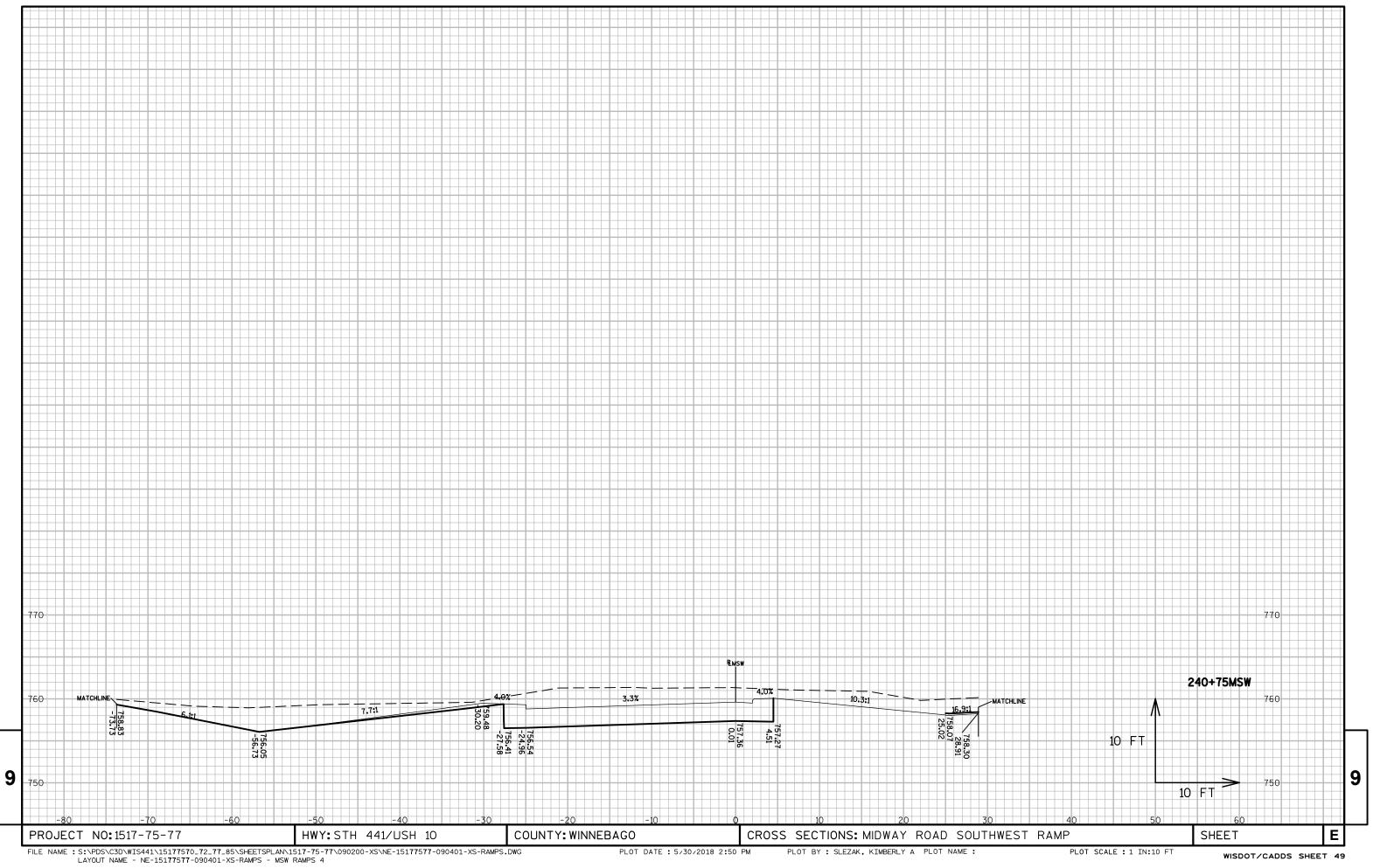


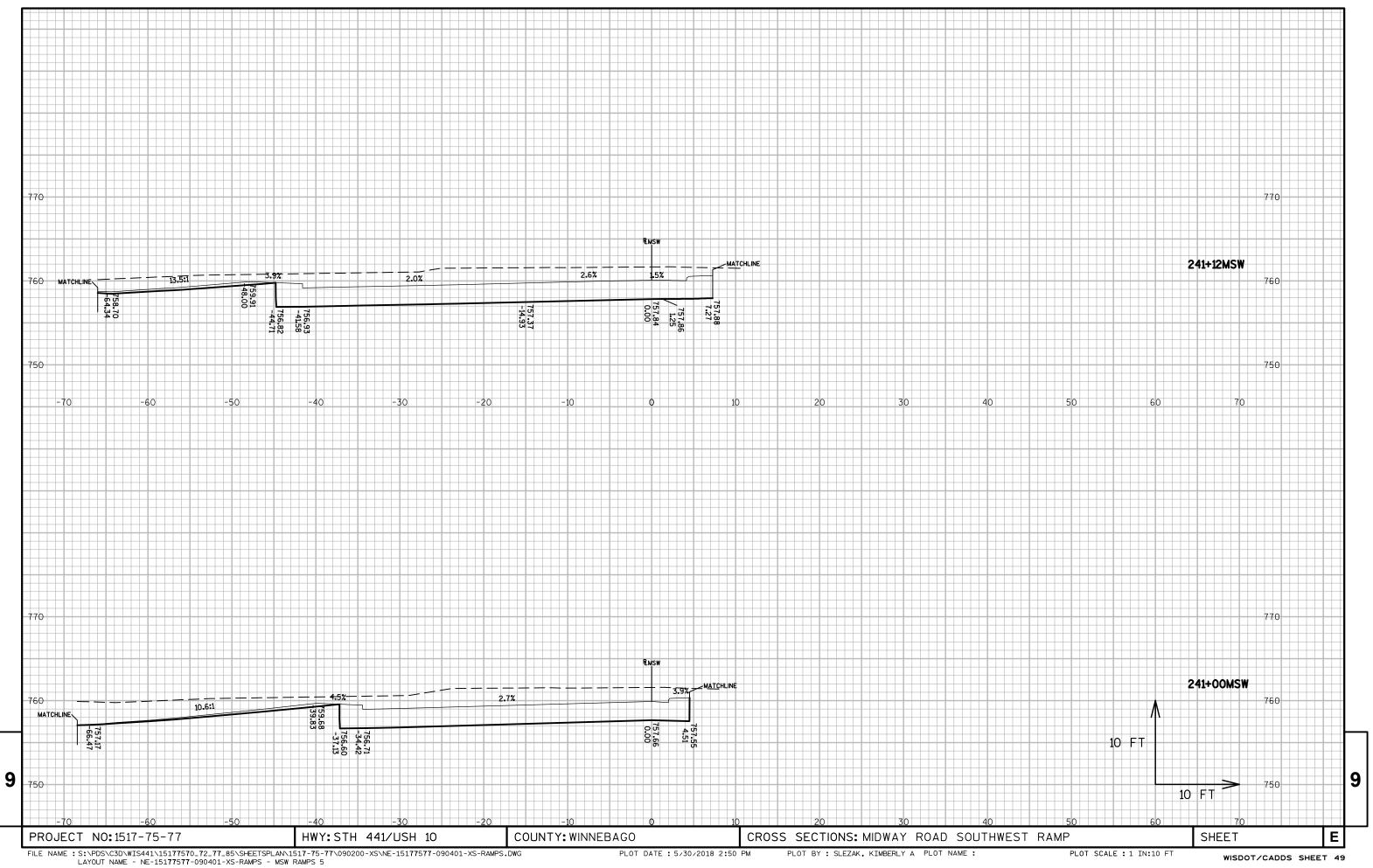


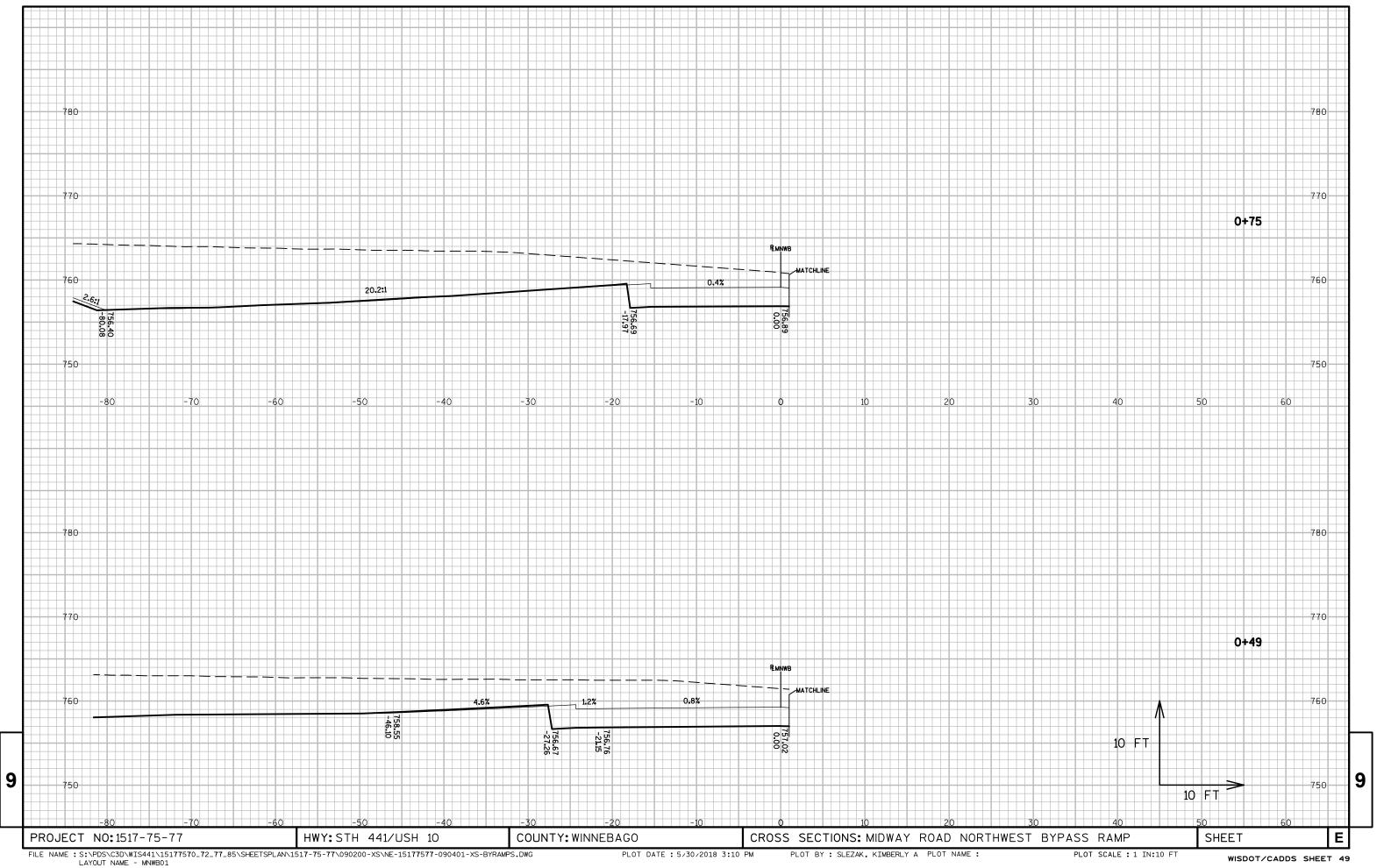


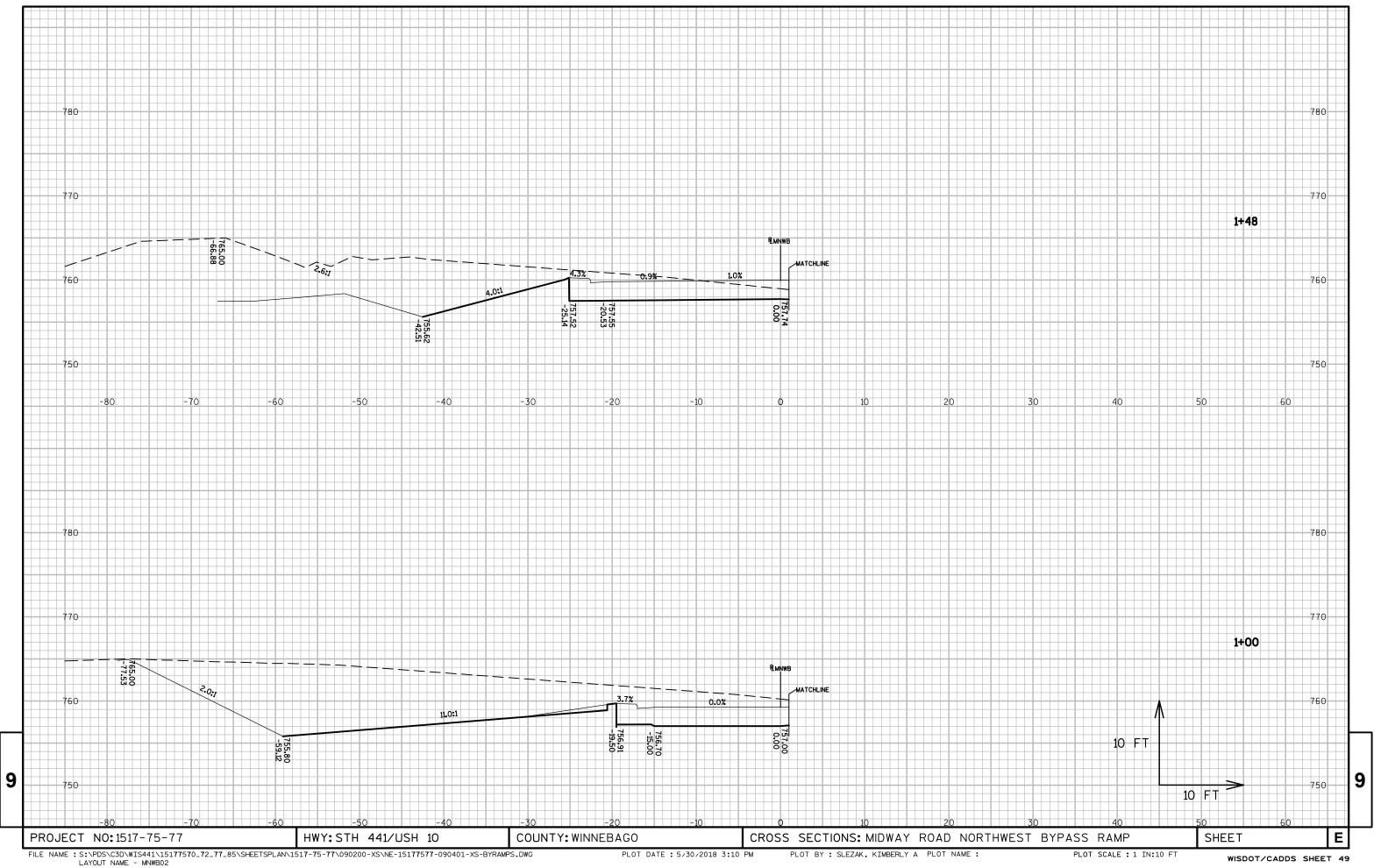


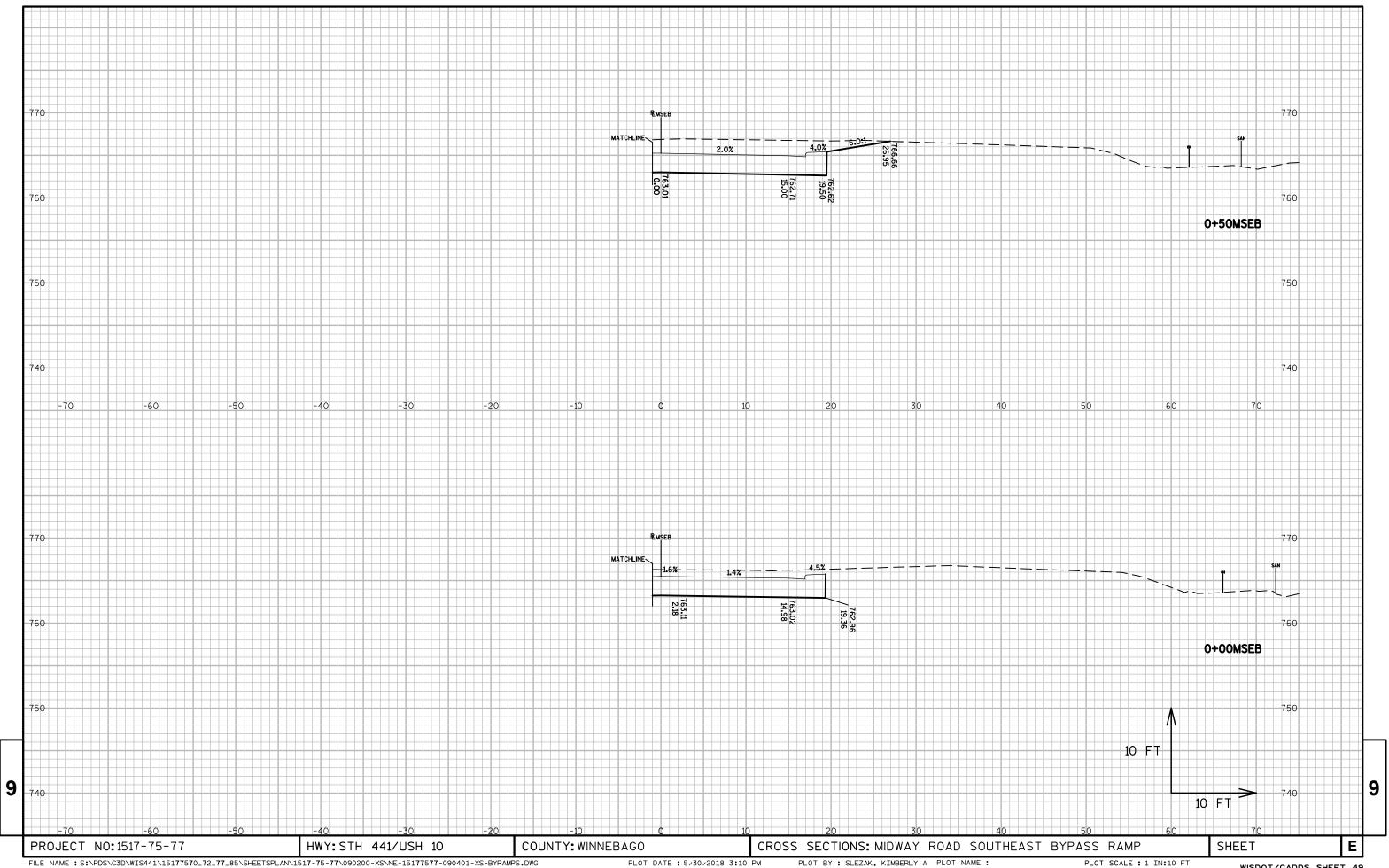


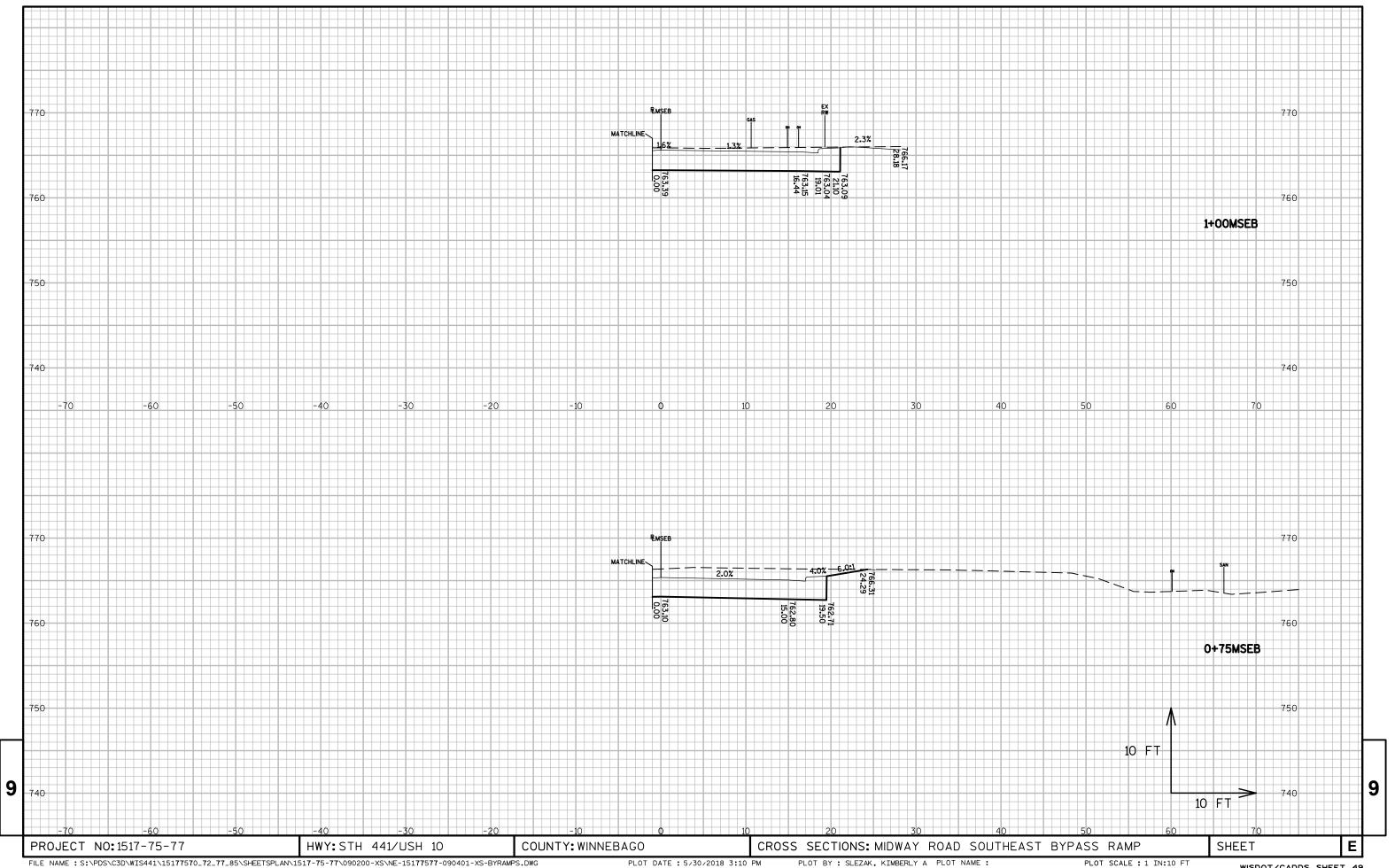












Notes



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