SEPTEMBER 2024

Section No. 2 Section No. 3

Section No. 3

Section No. 5

Section No. 7

Section No. 9

TOTAL SHEETS = 242

(Includes Erosion Control Plans)

Estimate of Quantities

Plan and Profile

Sign Plates

Cross Sections

Miscellaneous Quantities

Standard Detail Drawings

Computer Farthwork Data

STATE OF WISCONSIN ORDER OF SHEETS Section No. 1 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Section No. 2

PLAN OF PROPOSED IMPROVEMENT

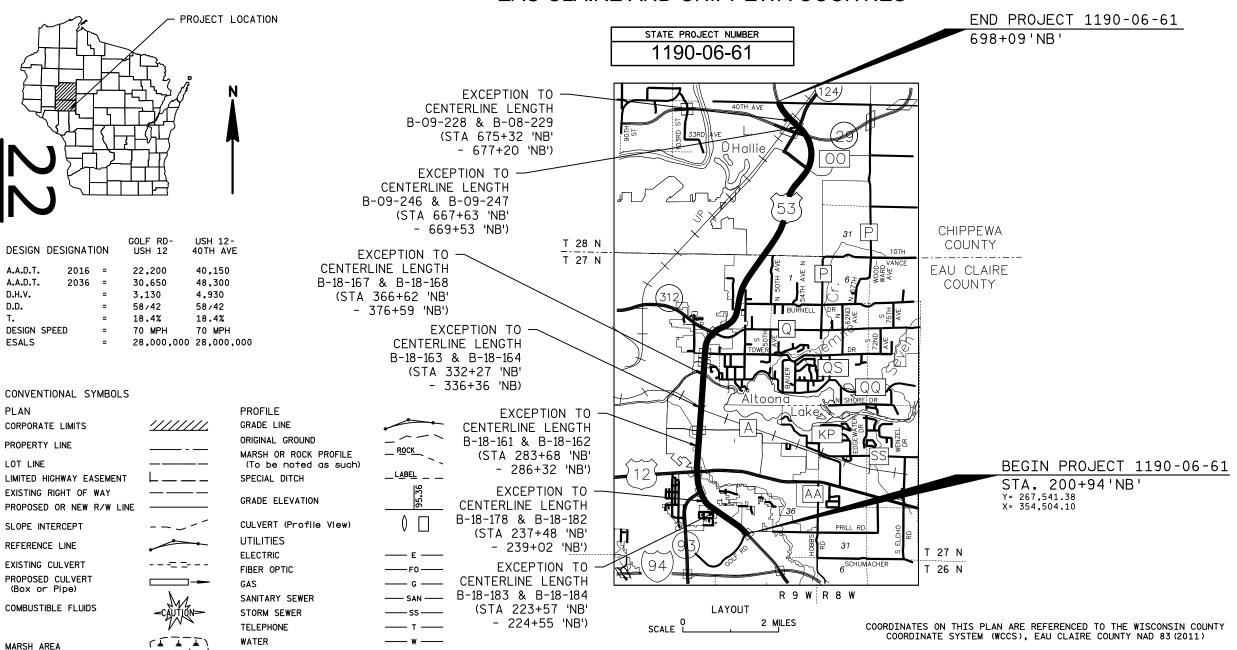
FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT WISC 2024441 1190-06-61 1

EAU CLAIRE - CHIPPEWA FALLS

GOLF ROAD TO 40TH AVENUE

USH 53

EAU CLAIRE AND CHIPPEWA COUNTIES





MATTHEW VANNATTA

APPROVED FOR THE DEPARTMENT DATE: Matthew Van Natta Reason: I am approving this docu

TOTAL NET LENGTH OF CENTERLINE = 8.975 MILES

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 2012)

PLOT NAME :

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

Д

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Ε

WOODED OR SHRUB AREA

CONTACTS

WISDOT CONTACT MATTHEW VANNATTA WISDOT NW REGION W7102 GREEN VALLEY ROAD

SPOONER, WI 54801 EAU CLAIRE, WI 54701 (715) 392-7966 MATTHEW.VANNATTA@DOT.WI.GOV

DNR CONTACT LEAH NICOL DEPARTMENT OF NATURAL RESOURCES 1300 W. CLAIREMONT STREET

101 NORTH WACKER DRIVE - SUITE 1920

(715) 934-9014 LEAH.NICOL@WISCONSIN.GOV

DESIGN CONTACT JOSHUA MELBY KL ENGINEERING, INC. 393 RED CEDAR STREET SUITE 2 MENOMONIE, WI 54751

(715) 231-1600 JMELBY@KLENGINEERING.COM

WisDOT - COMMUNICATION LINE JEFF MADSON 433 W. ST. PAUL AVE., STE. 300 MILWAUKEE, WI 53203 (414) 225-3723 JEFFREY.MADSON@DOT.WI.GOV

RAILROAD CONTACT JOHN VENICE UNION PACIFIC RAILROAD

CHICAGO, IL 60606 (312) 777-2043 JNVENICE@UP.COM

ORDER OF TYPICAL SECTION AND **DETAIL SHEETS**

GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PERMANENT SIGNING PLAN PAVEMENT MARKING PLAN TRAFFIC CONTROL AND CONSTRUCTION STAGING PLAN ALTERNATE ROUTE PLAN DETOUR PLAN ALIGNMENT DIAGRAM

UTILITY CONTACTS

ALTOONA MUNICIPAL WATER & SEWER UTILITY - SEWER DAVID WALTER 1303 LYNN AVENUE, P.O. BOX 8 ALTOONA, WI 54720 O: (715) 839-6092 M: (715) 577-3459 DAVIDW@CI.ALTOONA.WI.US

ALTOONA MUNICIPAL WATER & SEWER UTILITY - WATER DAVID WAI TER 1303 LYNN AVENUE, P.O. BOX 8 ALTOONA, WI 54720 O: (715) 839-6092 M: (715) 577-3459

DAVIDW@CI.ALTOONA.WI.US ASTREA - COMMUNICATION LINE ANDREW HEIGL 105 KENT ST, P.O. BOX 190

IRON MOUNTAIN, MI 49801 (906) 221-7536

PROJECT NO: 1190-06-61

ASTREACONSTRUCTION@ASTREACONNECT.COM

AT&T WISCONSIN - COMMUNICATION LINE RICK PODOLAK 304 S. DEWEYST FAUCLAIRE WI 54703 O: (715) 839-5565 M: (715) 410-0656 RP4514@ATT.COM

CINC - COMMUNICATION LINE DAREN BAUER 105 GARFIELD AVE EAU CLAIRE, WI 54701 (715) 836-5286 BAUERDP@UWEC.EDU

MEGAN SCOTT 300 W 66TH ST RICHFIELD, MN 55423 O: (763) 326-2559 M: (413) 636-9621 MEGAN.SCOTT@LUMEN.COM; RELOCATIONS@LUMEN.COM

CENTURYLINK COMMUNICATIONS - COMMUNICATION LINE

CITY OF EAU CLAIRE - SEWER **BEN SPANEL** 1040 FOREST ST EAU CLAIRE, WI 54703 (715) 839-5045

CITY OF EAU CLAIRE - WATER **BEN SPANEL** 1040 FOREST ST EAU CLAIRE, WI 54703 (715) 839-5045

BEN.SPANEL@EAUCLAIREWI.GOV

BEN.SPANEL@EAUCLAIREWI.GOV

EAU CLAIRE ENERGY COOPERATIVE - ELECTRICITY ARIK ARNEVIK 8214 HWY 12, P.O. BOX 368 FALL CREEK, WI 54742 O: (715) 836-6485 M: (715) 579-0087

AARNEVIK@ECEC.COM VILLAGE OF LAKE HALLIE - SEWER SAMUEL BAUTCH 13136 30TH AVE CHIPPEWA FALLS, WI 54729

O: (715) 726-2660

PWDEPT@LAKEHALLIE.US

VILLAGE OF LAKE HALLIE - WATER SAMUEL BAUTCH 13136 30TH AVE CHIPPEWA FALLS, WI 54729 O: (715) 726-2660 PWDEPT@LAKEHALLIE.US

LEVEL 3 COMMUNICATIONS - COMMUNICATION LINE 1025 ELDORADO BLVD BROOMFIELD, CO 80021-8869 RELOCATIONS@LUMEN.COM

MAGELLAN PIPELINE - GAS ADRIAN REENTS 1 WILLIAMS CENTER OTC 8 TUI SA OK 74172 (918) 574-7860

ADRIAN.REENTS@MAGELLANLP.COM

SPECTRUM - COMMUNICATION LINE SHANE YODER 1201 MCCANN DR ATLOONA, WI 54720 (715) 214-1175

SHANE.YODER@CHARTER.COM

SPRINT COMMUNICATIONS COMPANY - COMMUNICATION LINE STEVEN HUGHES 1457 COUNTY ROAD 545 S SKANDIA MI 49885 (513) 462-7221 SHUGHES@COGENTCO.COM

VERIZON BUSINESS - COMMUNICATION LINE RJ CICATELLO 15725 W RYERSON RD NEW BERLIN, WI 53151 (262) 232-1323 RANDY.CICATELLO@VERIZON.COM

VIKING GAS TRANSMISSION COMPANY - GAS STEVE KEILEN 2077 70TH AVE OSCEOLA, WI 54020 (715) 294-2155 EXT. 8 STEVEN.KEILEN@ONEOK.COM

XCEL ENERGY - ELECTRICITY DAVID MELSNESS 1414 W HAMILTON AVE, PO BOX 8 EAU CLAIRE, WI 54702 (715) 737-1495

DAVID.J.MELSNESS@XCELENERGY.COM XCEL ENERGY - GAS/PETROLEUM BRADY GARDOW PO BOX 8

EAU CLAIRE, WI 54702 O: (715) 737-1450 M: (715) 577-0445 BRADY.P.GARDOW@XCELENERGY.COM

XCEL ENERGY - TRANSMISSON LINE MITCHELL DIENGER 414 NICOLLET MALL - 5TH FLOOR MINNEAPOLIS MN 55401 O: (612) 321-3109 M: (608) 386-2233 MITCHELL.A.DIENGER@EXCELENERGY.COM



HWY: USH 53

COUNTY: EAU CLAIRE, CHIPPEWA **GENERAL NOTES**

GENERAL NOTES

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

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS.

PLAN REMOVAL AREAS ARE APPROXIMATE, DETERMINE EXACT LIMITS IN THE FIELD.

DO NOT DRIVE EQUIPMENT OR STORE EQUIPMENT OR MATERIAL IN WETLANDS, WATERWAYS, OR ENVIRONMENTALLY SENSITIVE AREAS ADJACENT TO THE PROJECT.

THE EXACT LOCATIONS AND QUANTITIES OF CONCRETE PAVEMENT REPAIR AND REPLACEMENT SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER WILL DETERMINE THE EXACT LOCATION OF EROSION CONTROL ITEMS. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR WILL REMOVE EROSION CONTROL ITEMS AT THE DIRECTION OF THE ENGINEER.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

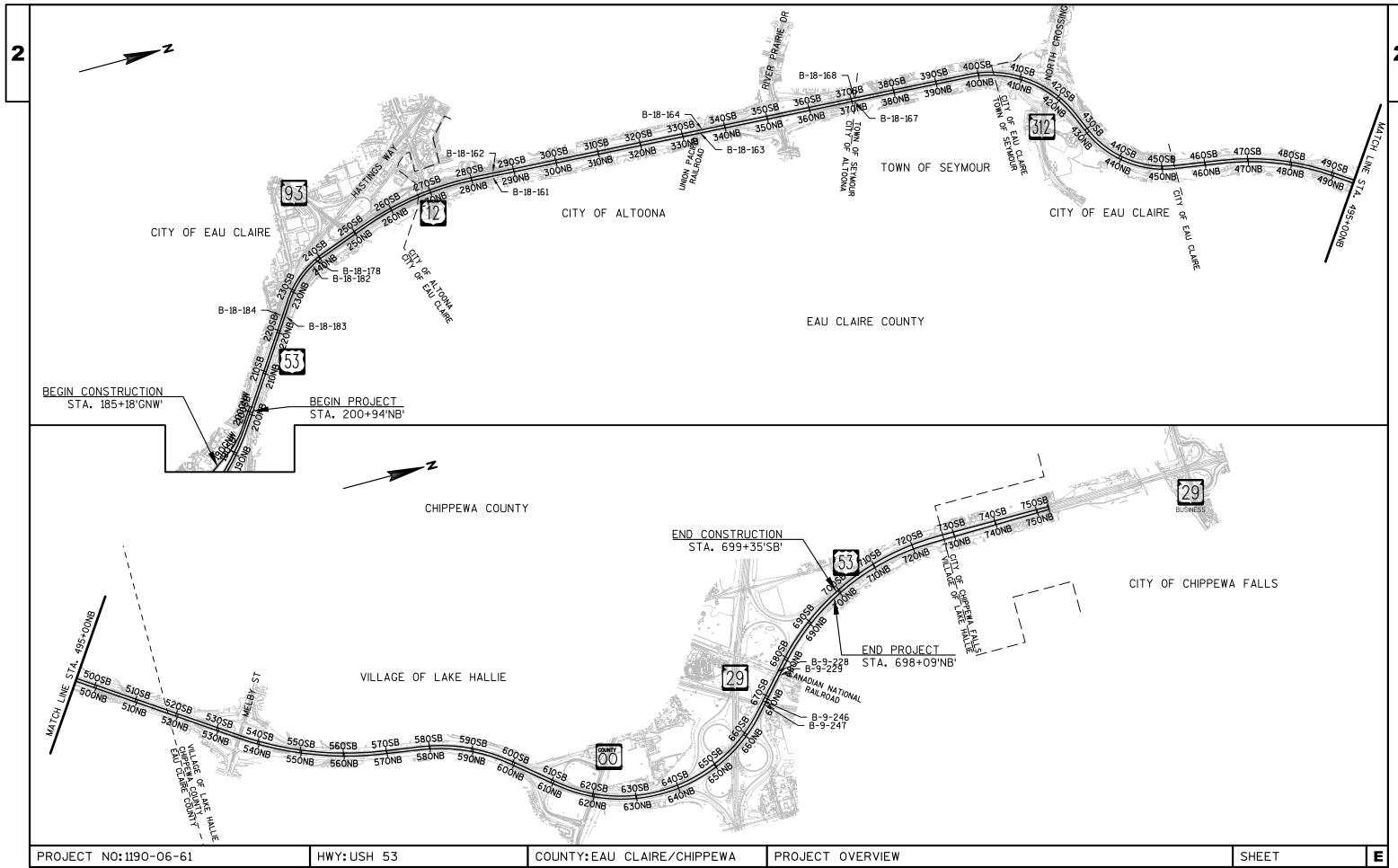
RUNOFF COEFFICIENT TABLE

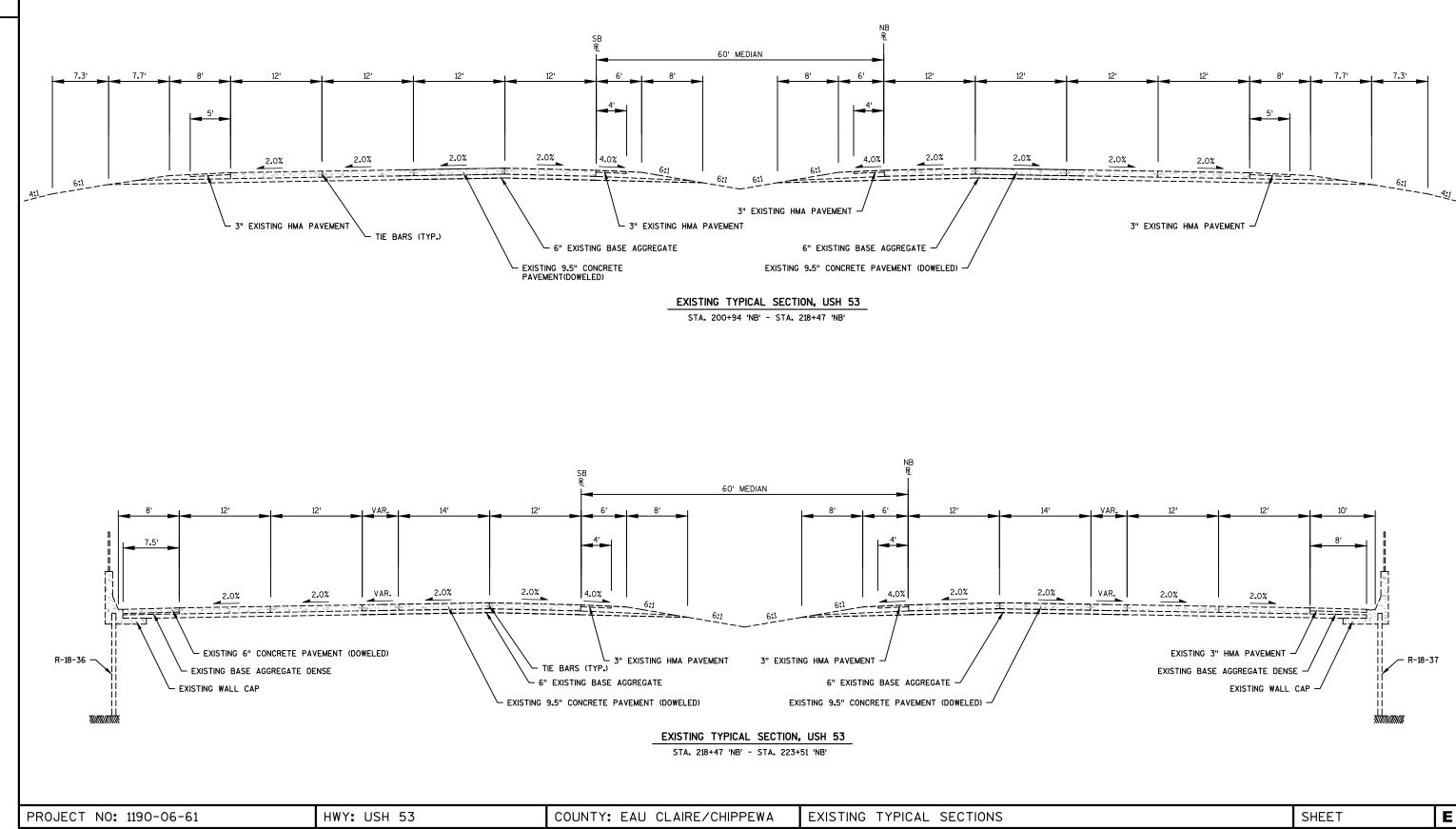
		HYDROLOGIC SOIL GROUP											
	A SLOPE RANGE (PERCENT)			B SLOPE RANGE (PERCENT)			C SLOPE RANGE (PERCENT)			D SLOPE RANGE (PERCENT)			
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	
ROW CROPS	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24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

TOTAL PROJECT AREA = 526.2 ACRES

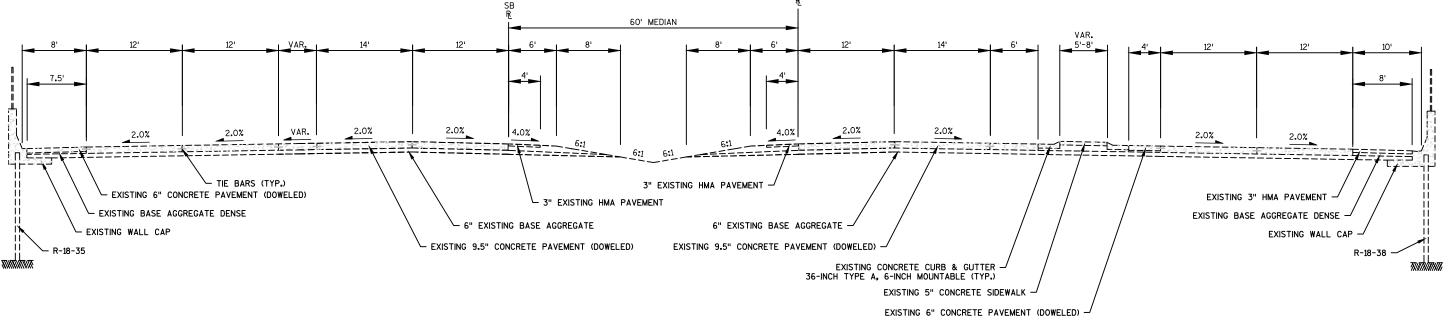
TOTAL AREA EXPECTED TO BE DISTRIBUTED BY CONSTRUCTION ACTIVITIES = 0.7 ACRES

PROJECT NO: 1190-06-61 HWY: USH 53 COUNTY: EAU CLAIRE, CHIPPEWA GENERAL NOTES SHEET E



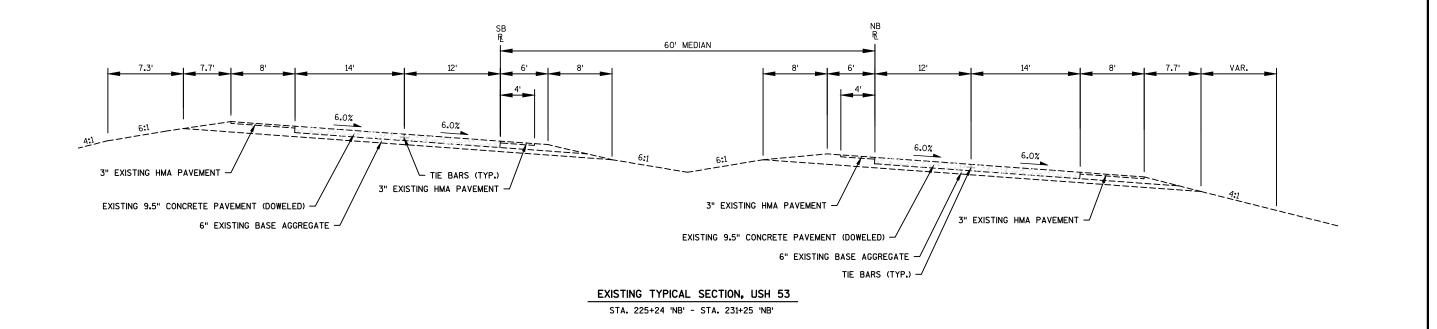






EXISTING TYPICAL SECTION, USH 53

STA. 223+51 'NB' - STA. 223+57 'NB' STA. 224+55 'NB' - STA. 225+24 'NB'



FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\020301-TS-EX.DWG

HWY: USH 53

PROJECT NO: 1190-06-61

PLOT DATE : 3/27/2024 2:07 PM

COUNTY: EAU CLAIRE/CHIPPEWA

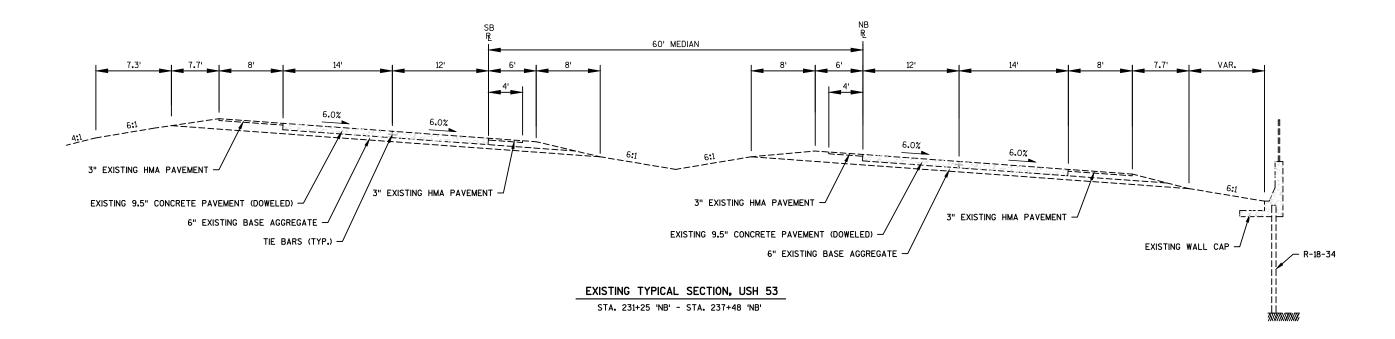
PLOT BY : KL ENGINEERING

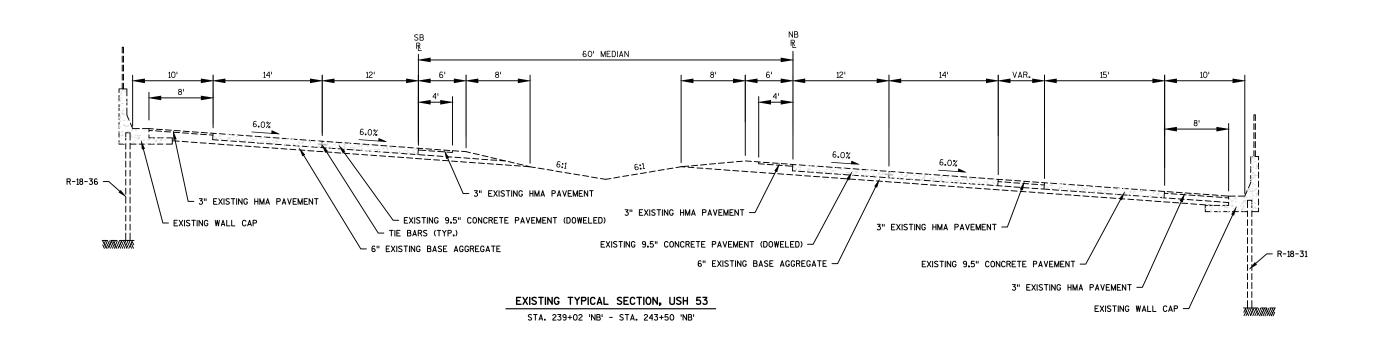
EXISTING TYPICAL SECTIONS

NAME : F

PLOT SCALE : 1 IN:12 FT

WISDOT/CADDS SHEET 42





FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\020301-TS-EX.DWG LAYOUT NAME - ####

HWY: USH 53

PROJECT NO: 1190-06-61

PLOT DATE : 3/27/2024 2:07 PM

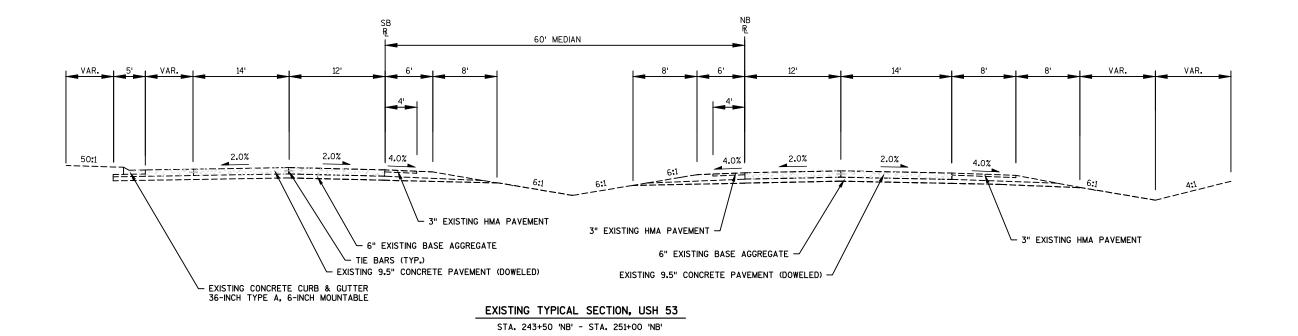
COUNTY: EAU CLAIRE/CHIPPEWA

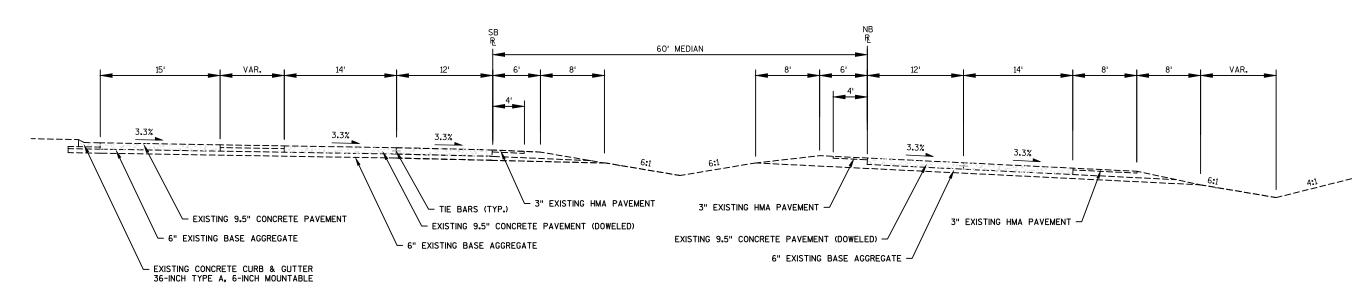
PLOT BY : KL ENGINEERING

EXISTING TYPICAL SECTIONS

NAME: PLOT SC

PLOT SCALE : 1 IN:12 FT WISDOT (C

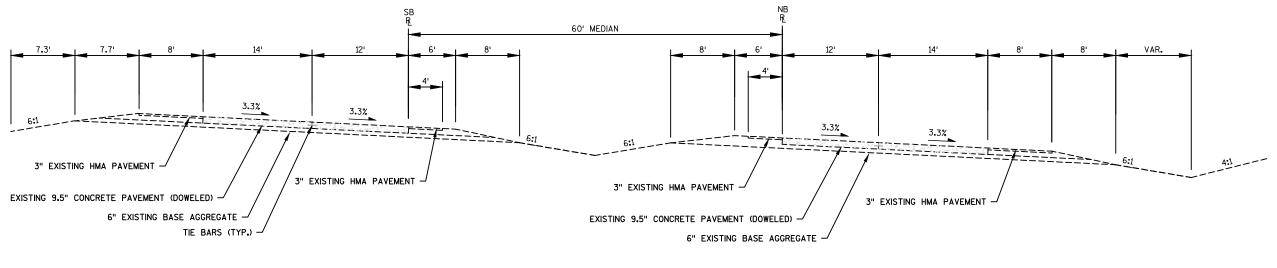




EXISTING TYPICAL SECTION, USH 53 STA. 251+00 'NB' - STA. 257+50 'NB'

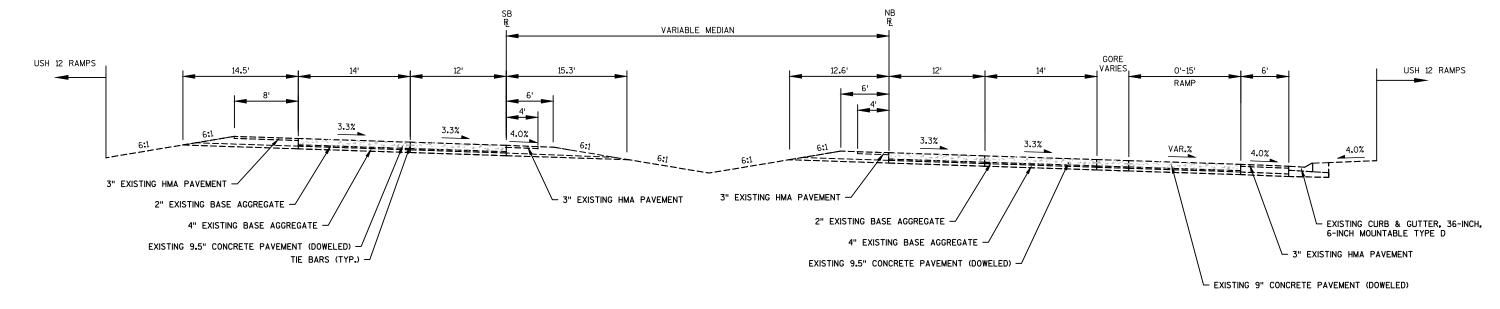
PROJECT NO: 1190-06-61 HWY: USH 53 COUNTY: EAU CLAIRE/CHIPPEWA EXISTING TYPICAL SECTIONS SHEET **E**





EXISTING TYPICAL SECTION, USH 53

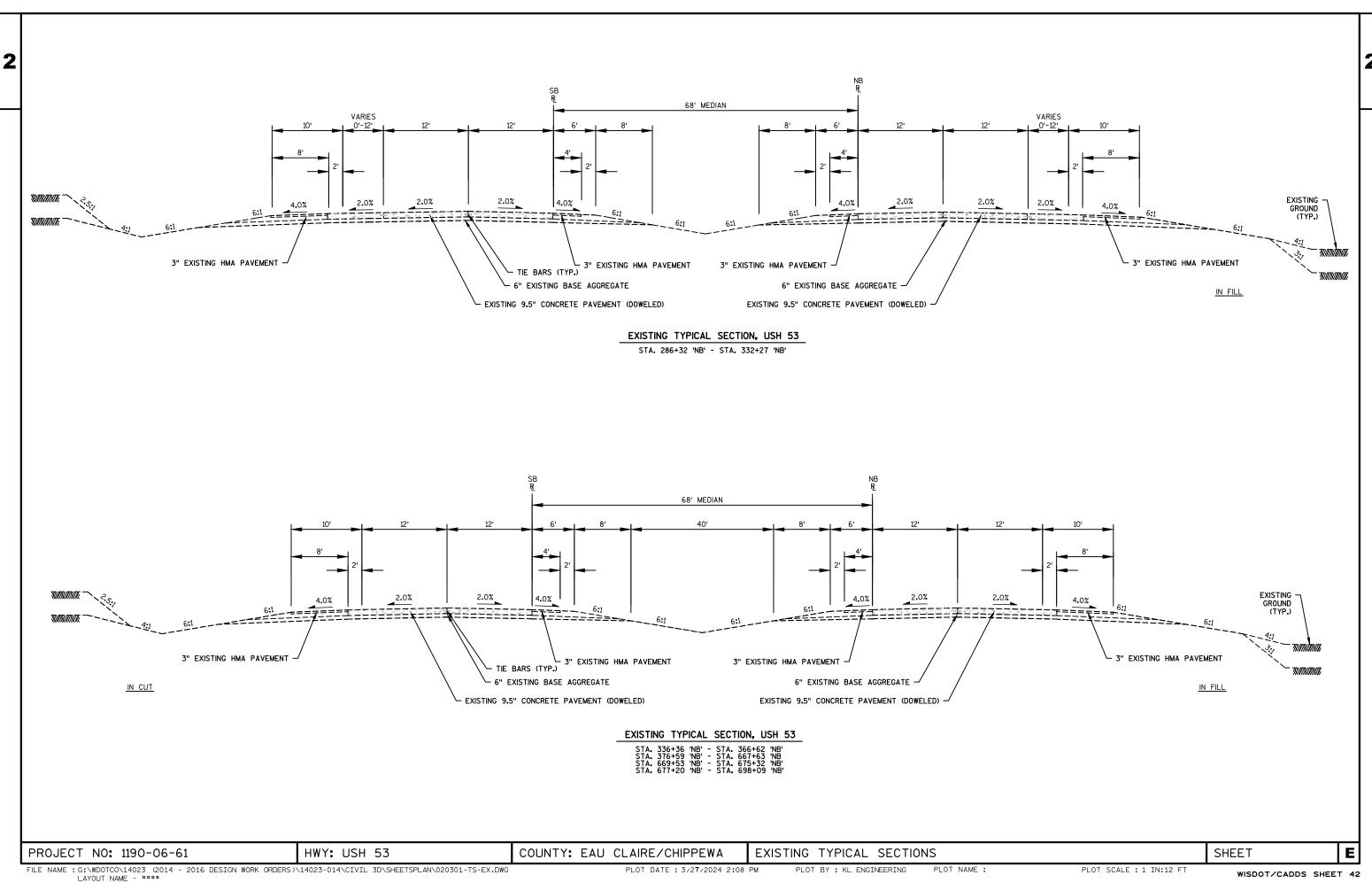
STA. 257+50 'NB' - STA. 262+00 'NB'

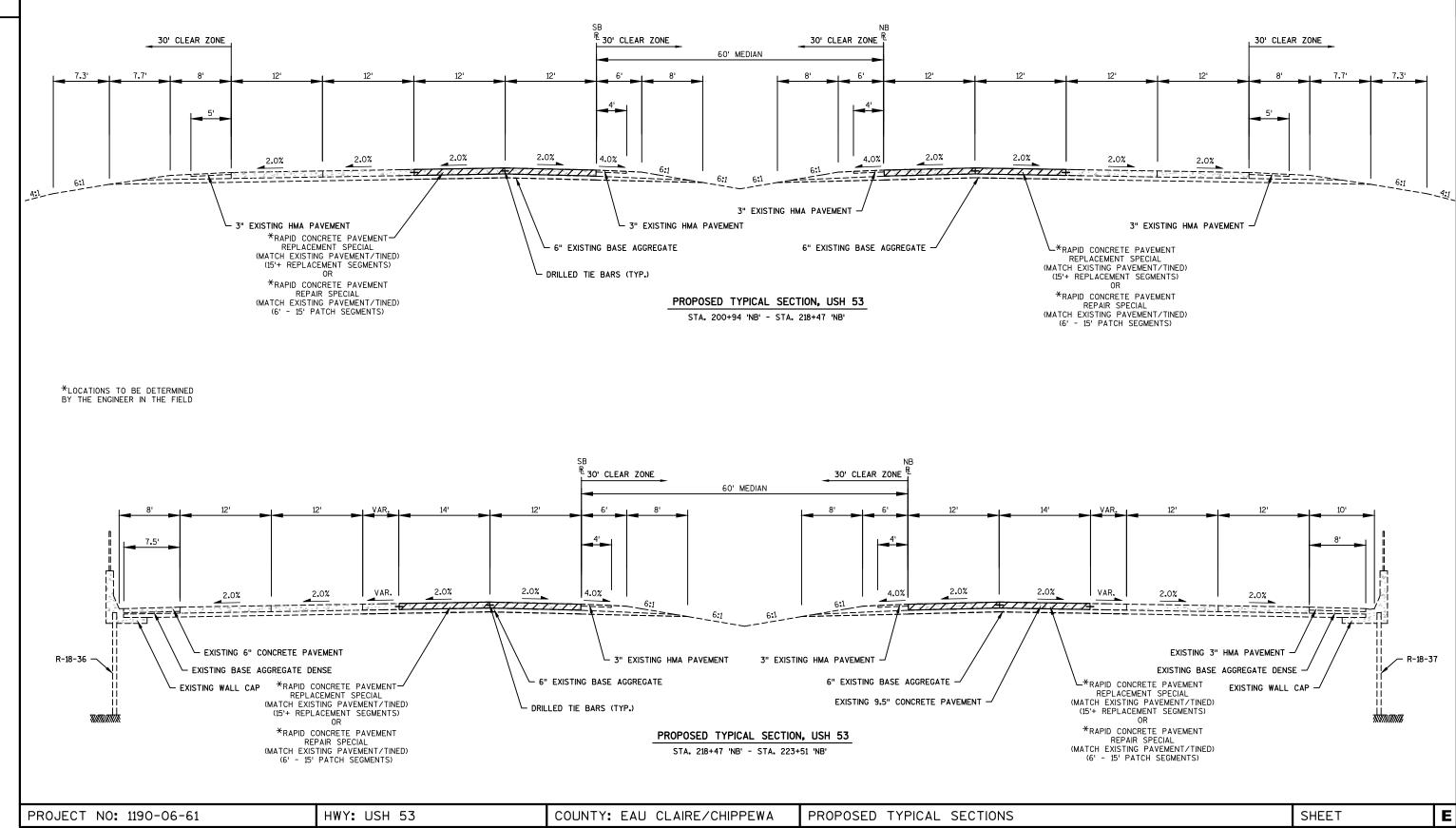


EXISTING TYPICAL SECTION, USH 53

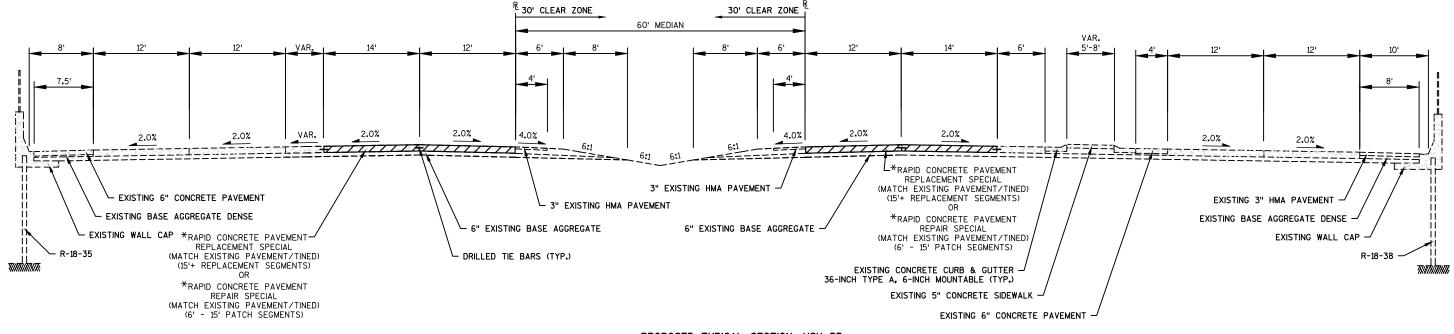
STA. 262+00 'NB' - STA. 283+68 'NB'

COUNTY: EAU CLAIRE/CHIPPEWA SHEET PROJECT NO: 1190-06-61 HWY: USH 53 EXISTING TYPICAL SECTIONS FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\020301-TS-EX.DWG PLOT BY : KL ENGINEERING







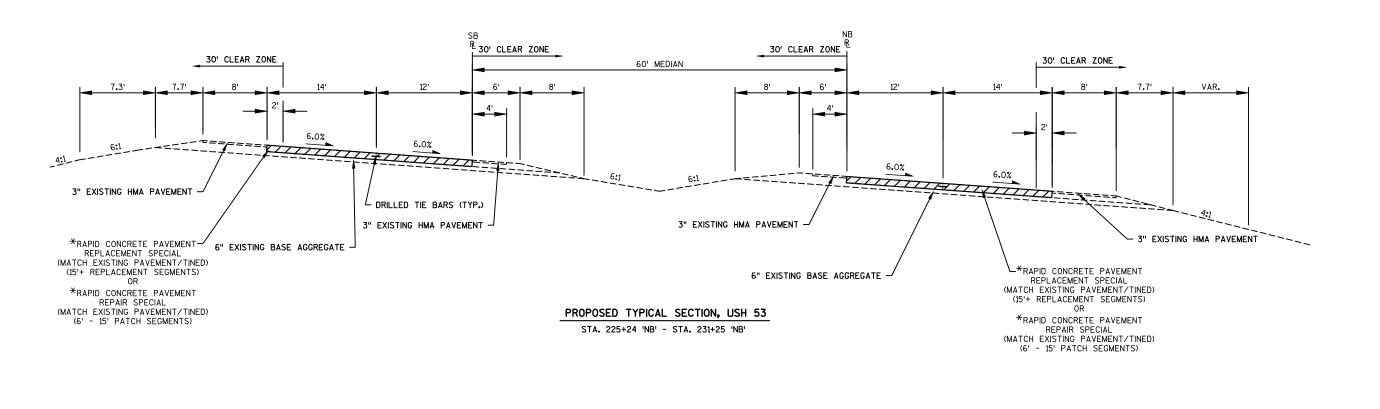


PROPOSED TYPICAL SECTION, USH 53

STA. 223+51 'NB' - STA. 223+57 'NB' STA. 224+55 'NB' - STA. 225+24 'NB'

*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD

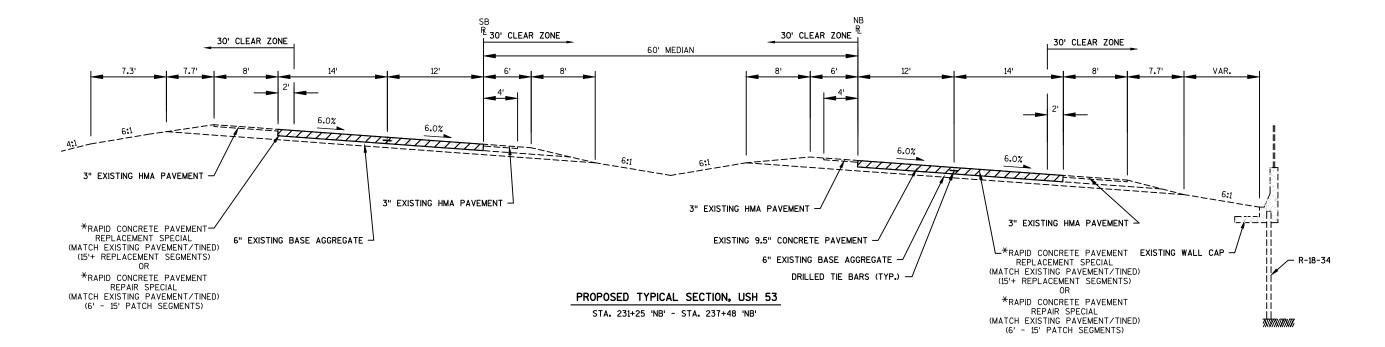
PROJECT NO: 1190-06-61



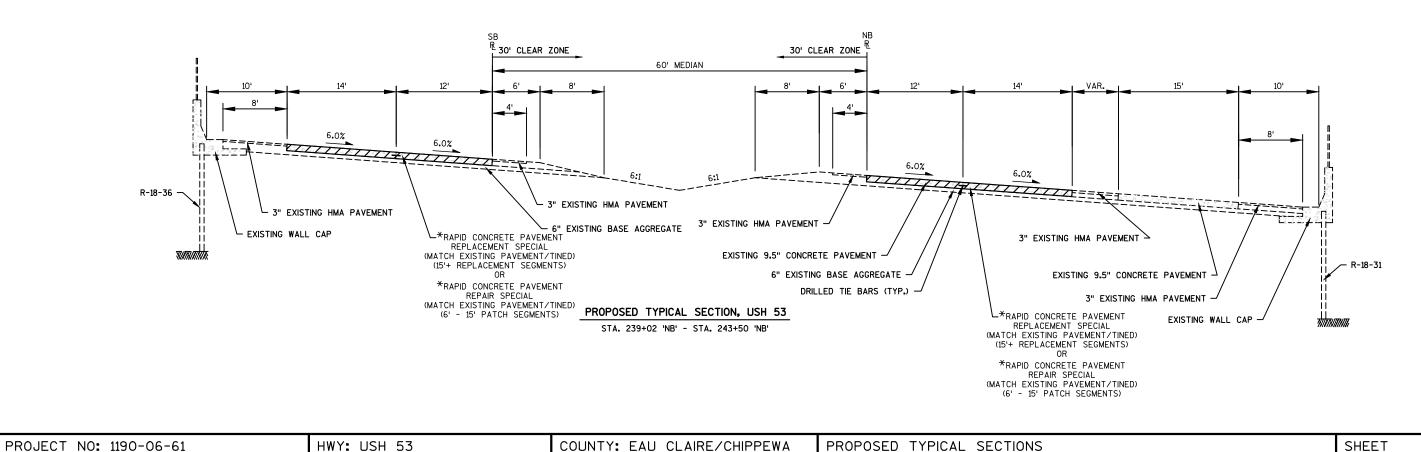
HWY: USH 53

COUNTY: EAU CLAIRE/CHIPPEWA

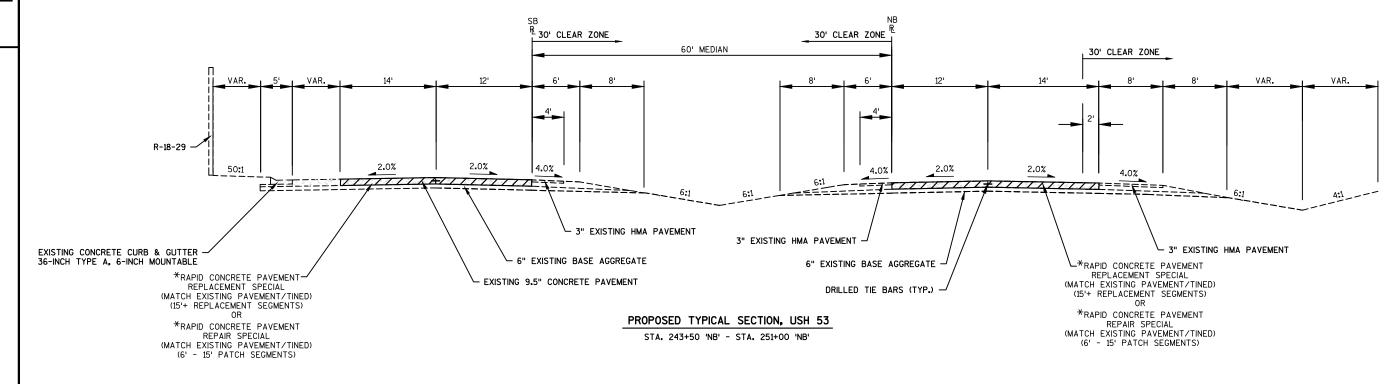
Ε



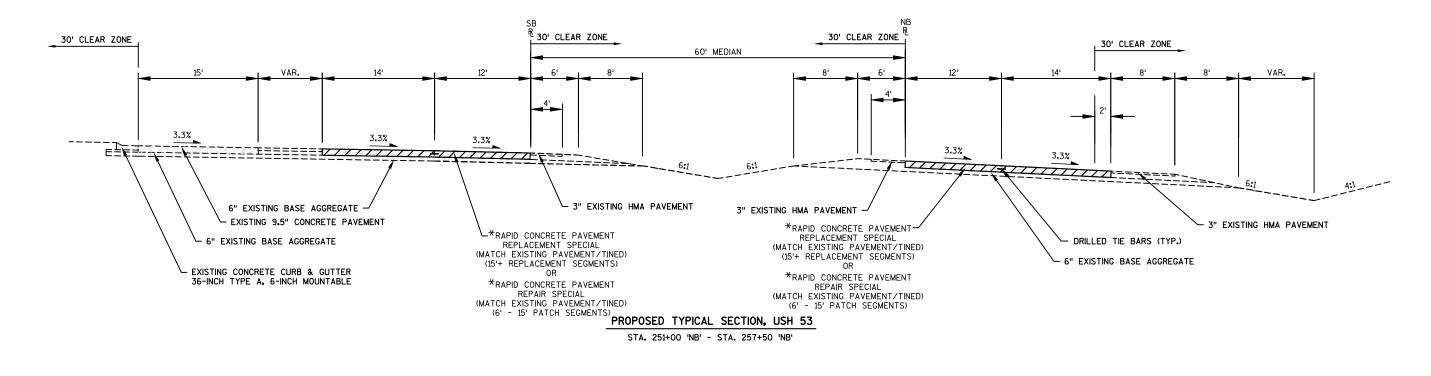
*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD



Ε

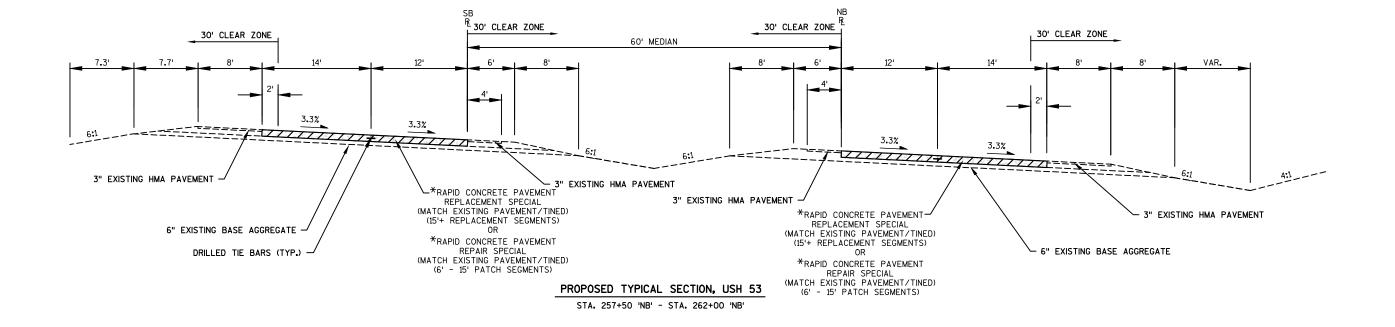


*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD



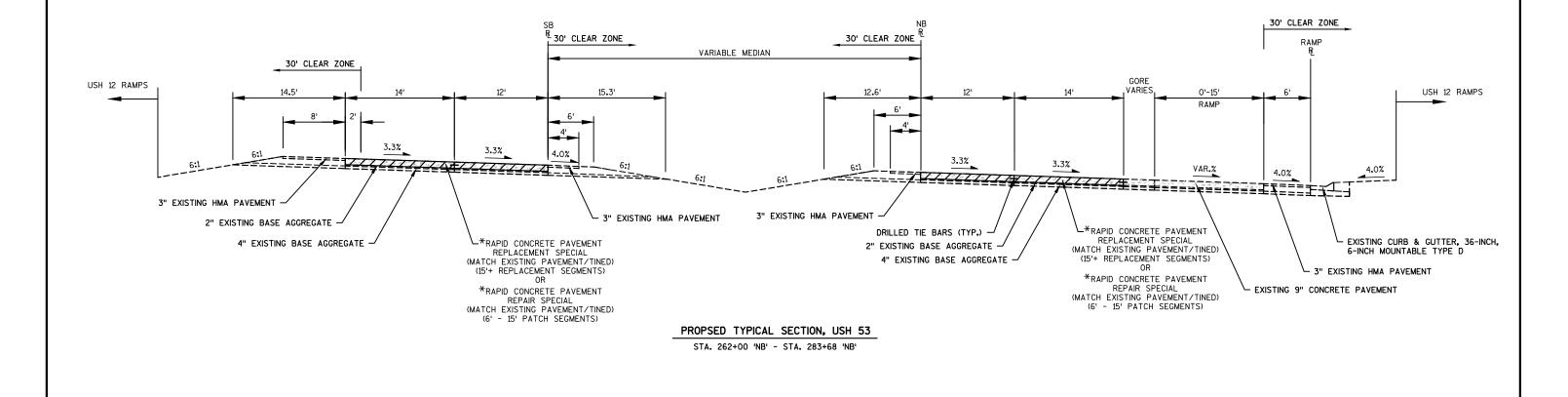
PROJECT NO: 1190-06-61 COUNTY: EAU CLAIRE/CHIPPEWA PROPOSED TYPICAL SECTIONS SHEET Ε HWY: USH 53 PLOT BY : KL ENGINEERING FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\020301-TS-PR.DWG





*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD

PROJECT NO: 1190-06-61



PLOT DATE: 3/28/2024 4:07 PM

COUNTY: EAU CLAIRE/CHIPPEWA

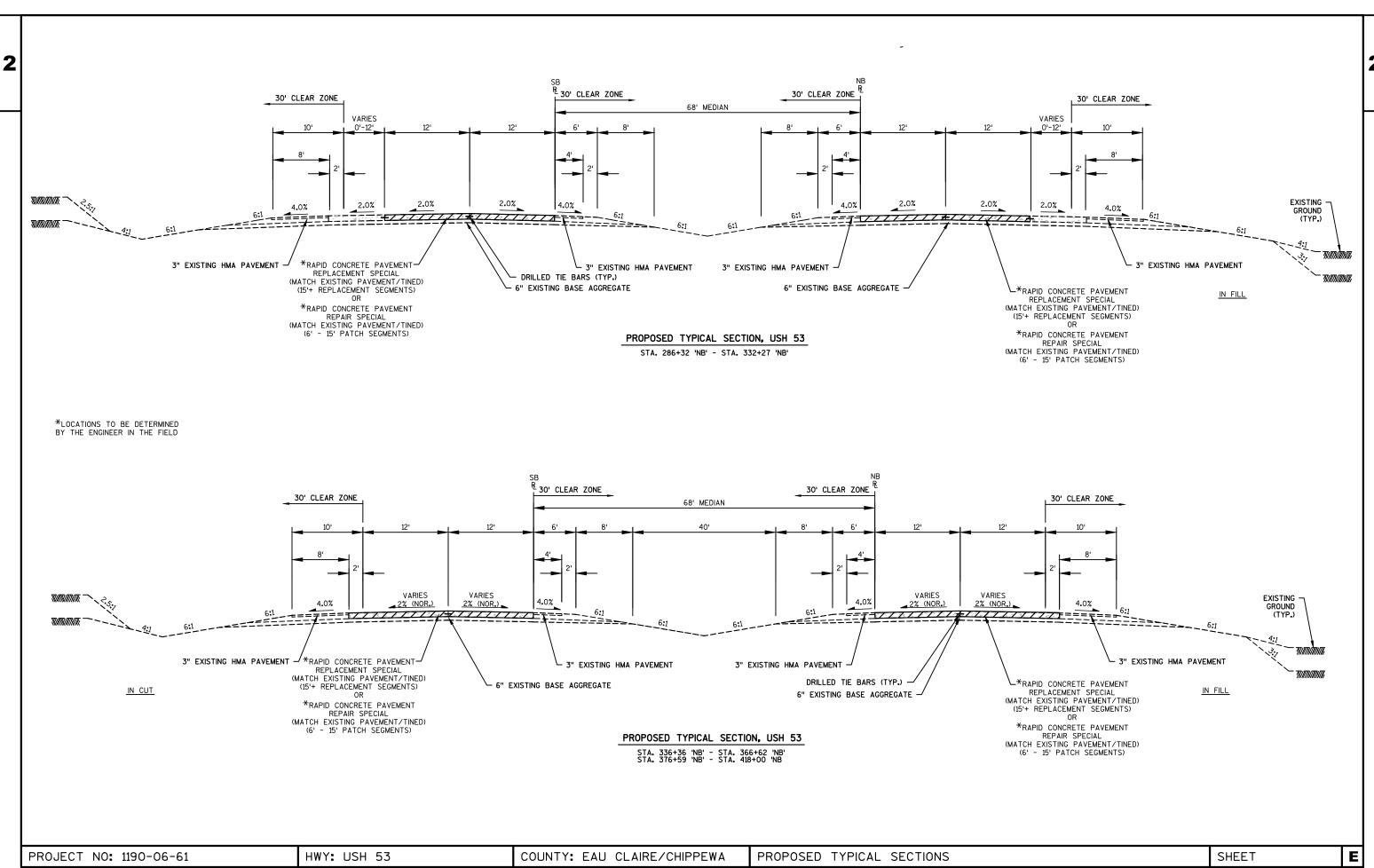
PLOT BY : KL ENGINEERING

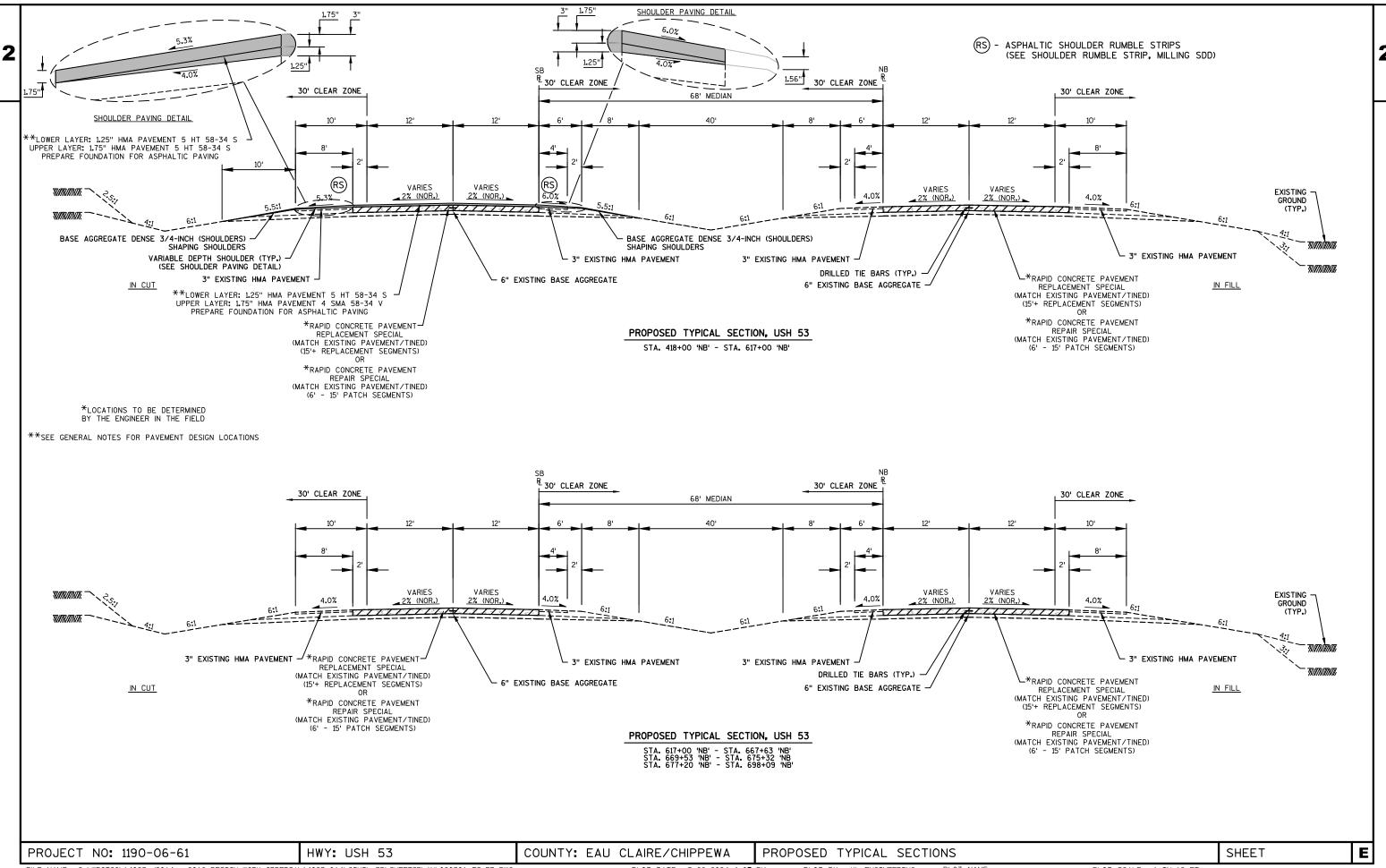
PROPOSED TYPICAL SECTIONS

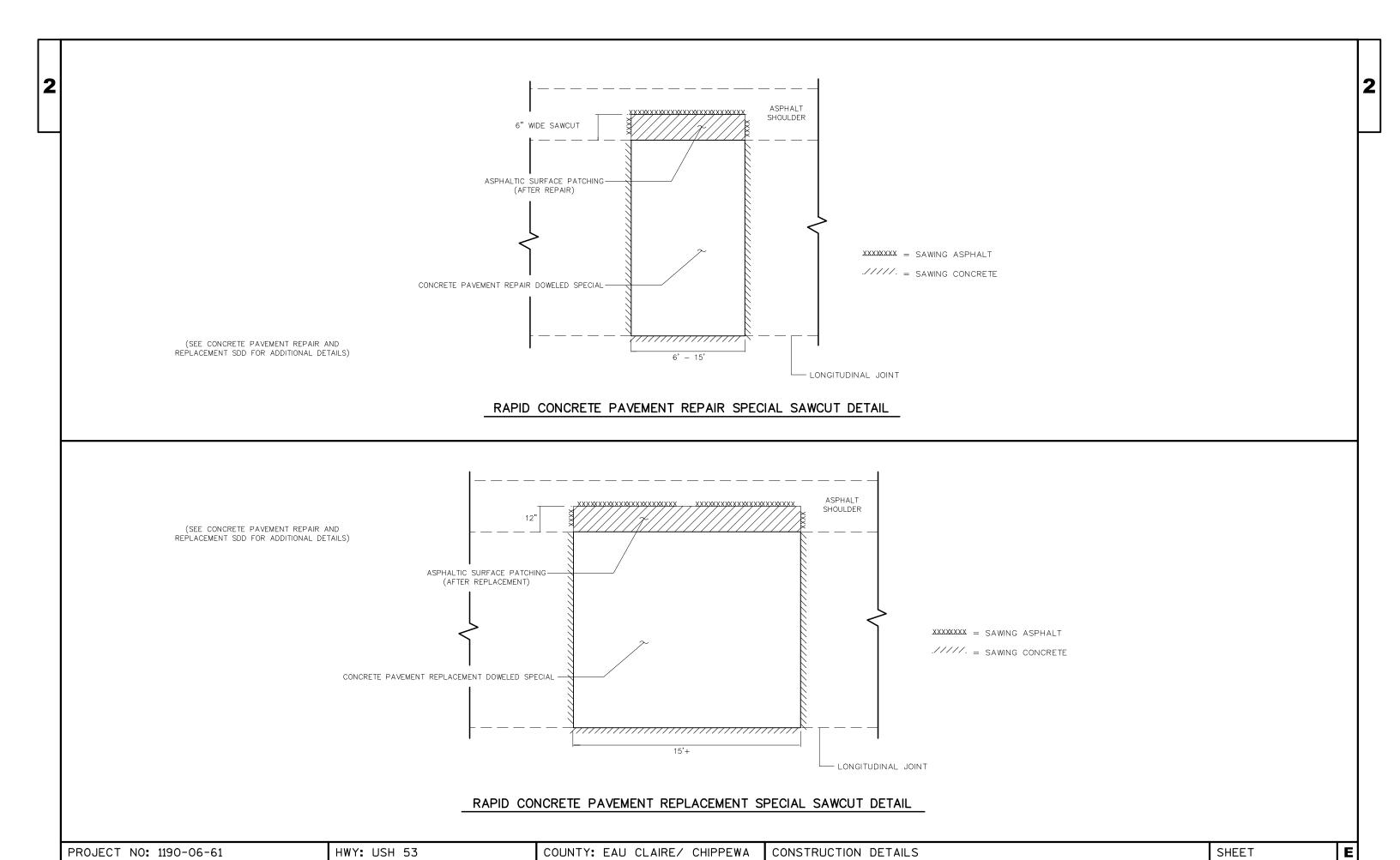
PLOT SCALE : 1 IN:12 FT

SHEET

HWY: USH 53







PLOT NAME :

LANE CLOSED PRIOR TO RAMP, SEE
SDD "TRAFFIC CONTROL, LANE CLOSURE,
SPEED REDUCTION FOR MORE INFORMATION"

100'

EXIT

172"60"

100'

100'

LANE

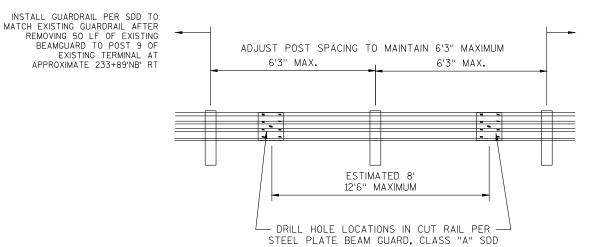
CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

TRAFFIC CONTROL,
TAPERED STYLE EXIT RAMP IN LANE CLOSURE

NOTE:
USE WHEN THERE IS NOT ENOUGH ROOM TO HAVE
A PARALLEL EXIT RAMP DUE TO PATCHING.

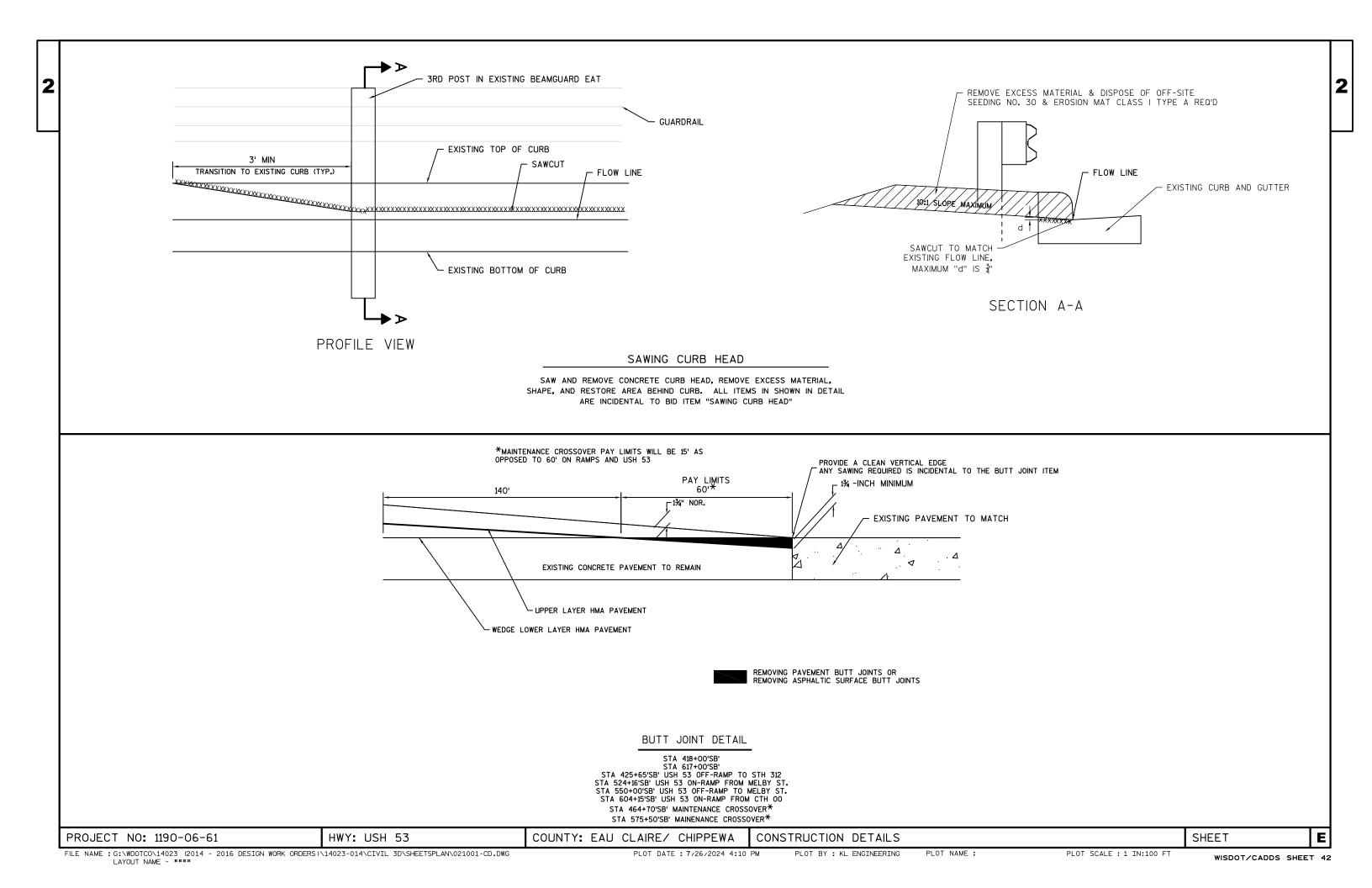


INSTALL GUARDRAIL PER SDD TO MATCH EXISTING GUARDRAIL AFTER REMOVING EXISTING TYPE 2 TERMINAL AT APPROXIMATE 231+14'NB' RT

STEEL PLATE BEAM GUARD CLASS A INSTALLATION DETAIL - CUT & DRILL RAIL FOR STA 231+14'NB' - 233+89'NB' RT

PROJECT NO: 1190-06-61 HWY: USH 53 COUNTY: EAU CLAIRE/ CHIPPEWA CONSTRUCTION DETAILS SHEET **E**

PLOT NAME :



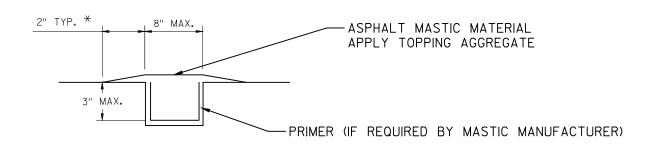
CLEAN JOINTS WITHOUT ROUTING. REMOVE ONLY LOOSE, DE-BONDED, AND FAILED GROUT

NOTES:

AND OTHER DELETERIOUS MATERIAL. EXISTING GROUT THAT IS WELL BONDED SHOULD REMAIN.

CONTRACTOR SHOULD REMOVE MATERIAL WITH A HIGH PRESSURE AIR NOZZLE TO THE MAXIMUM EXTENT POSSIBLE. JACK HAMMERING IS TO BE USED WITH THE APPROVAL OF THE ENGINEER.

REPAIR LIMITS WILL BE DETERMINED BY THE ENGINEER.



SECTION A-A

*OR AS RECOMMENDED BY THE MANUFACTURER

ASPHALT MASTIC JOINT SEALING DETAIL

PROJECT NO: 1190-06-61 COUNTY: EAU CLAIRE/ CHIPPEWA HWY: USH 53 CONSTRUCTION DETAILS

PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

Ε

SHEET

MASTIC REPAIR

- JOINT

CL

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

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

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

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

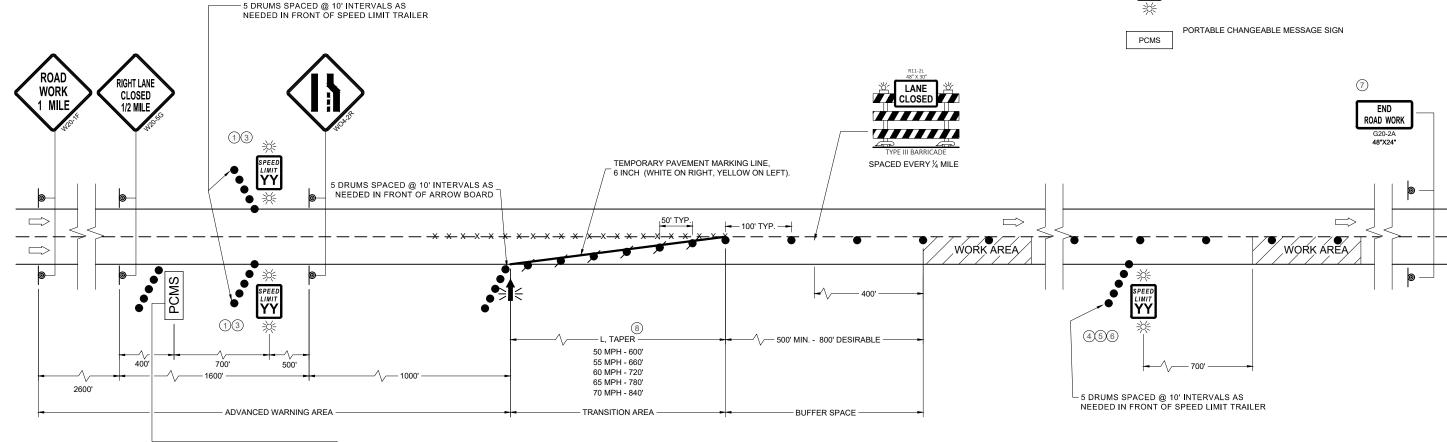
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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

- (1) EXISTING POST MOUNTED SPEED LIMIT SIGNS SHOULD BE COVERED OR REMOVED.
- (2) PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE.
- AT EXISTING POST MOUNTED SPEED LIMIT SIGN AFTER THE END OF THE ACCELERATION LANE OF EACH ENTRANCE (3) RAMP. IF THERE IS NOT AN EXISTING SIGN, PLACE 1,500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH
- $\stackrel{\textstyle (4)}{_{\sim}}$ IF WORK AREA STARTS LESS THAN 1,000 FEET FROM END OF LANE CLOSURE TAPER, OMIT DIGITAL SPEED LIMIT TRAILER AT THAT LOCATION.
- PLACE A DIGITAL SPEED LIMIT TRAILER A MINIMUM OF EVERY ONE MILE. MODIFY PLACEMENT AS DIRECTED BY (5) ENGINEER WHEN DIGITAL SPEED LIMIT TRAILER IS LOCATED IN CLOSE PROXIMITY TO AN ACCELERATION LANE OF AN ENTRANCE RAMP
- (6) OMIT DRUM DELINEATION FOR DIGITAL SPEED LIMIT TRAILER WITHIN A CLOSURE.
- \bigcirc INCLUDE NON-DIGITAL R2-1 RESUME SPEED LIMIT SIGNS 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END ROAD WORK" SIGN.
- $\ \textcircled{8}$ IF THE SPEED LIMIT WILL CHANGE BASED ON THE PRESENCE OF WORKERS, USE THE TAPER LENGTH THAT MATCHES THE HIGHER OF THE TWO SPEEDS FOR A CONTINUOUS LANE CLOSURE.

SIGN ON PERMANENT SUPPORT TRAFFIC CONTROL DRUM TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT TYPE III BARRICADE WITH ATTACHED SIGN TYPE "A" WARNING LIGHT (FLASHING) REMOVING PAVEMENT MARKINGS DIRECTION OF TRAFFIC WORK AREA FLASHING ARROW BOARD DIGITAL SPEED LIMIT TRAILER YY PORTABLE CHANGEABLE MESSAGE SIGN PCMS

LEGEND



PCMS MESSAGING POSTED SPEED REDUCTION NO SPEED REDUCTION FRAME 1 FRAME 2 REDUCED SPEED XX MPH AHFAD (FLASHING CAUTION MODE)

DIGITAL SPEED REDUCTION SYSTEM

PROJECT NO: 1190-06-61 HWY: USH 53

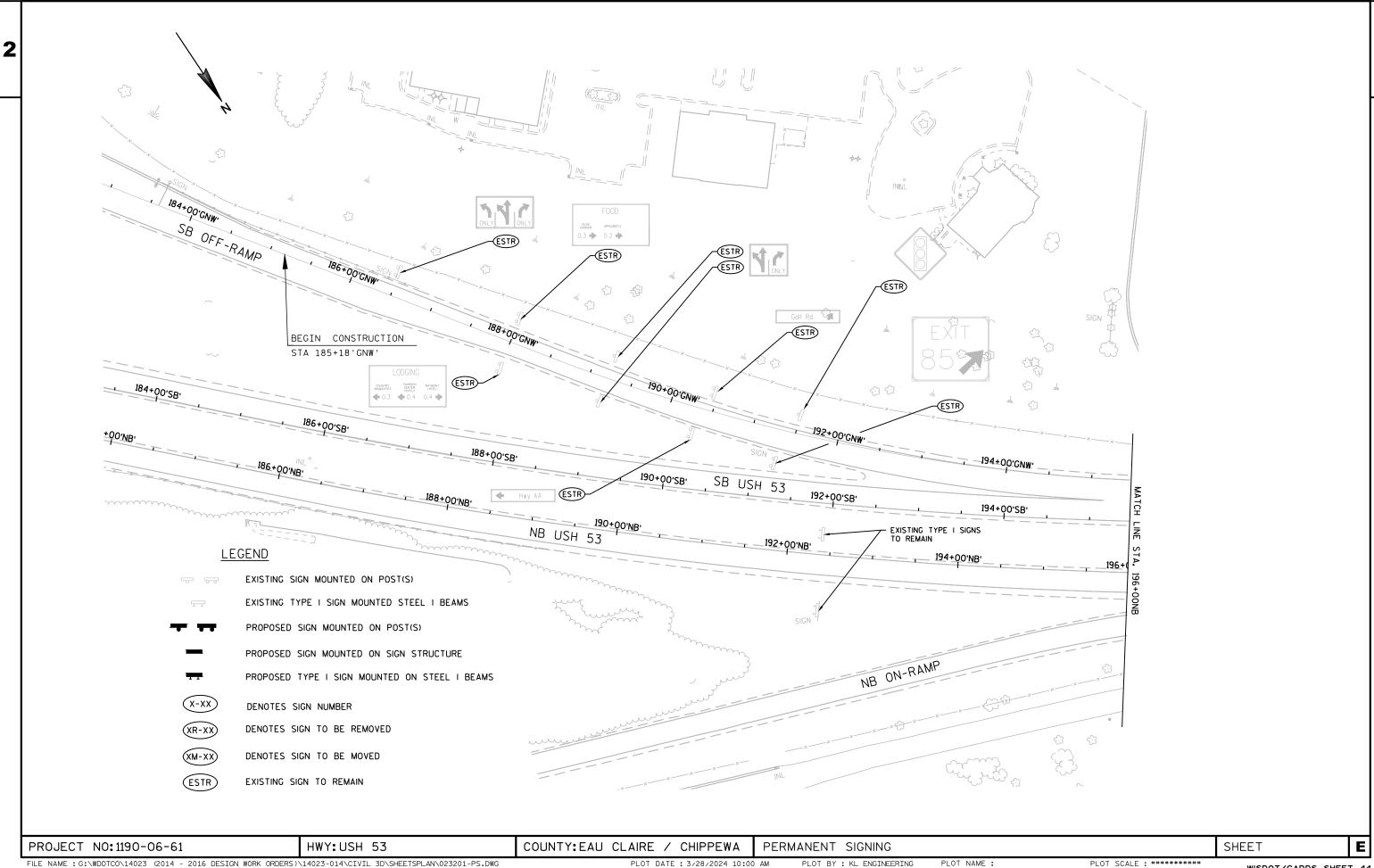
COUNTY: EAU CLAIRE/ CHIPPEWA

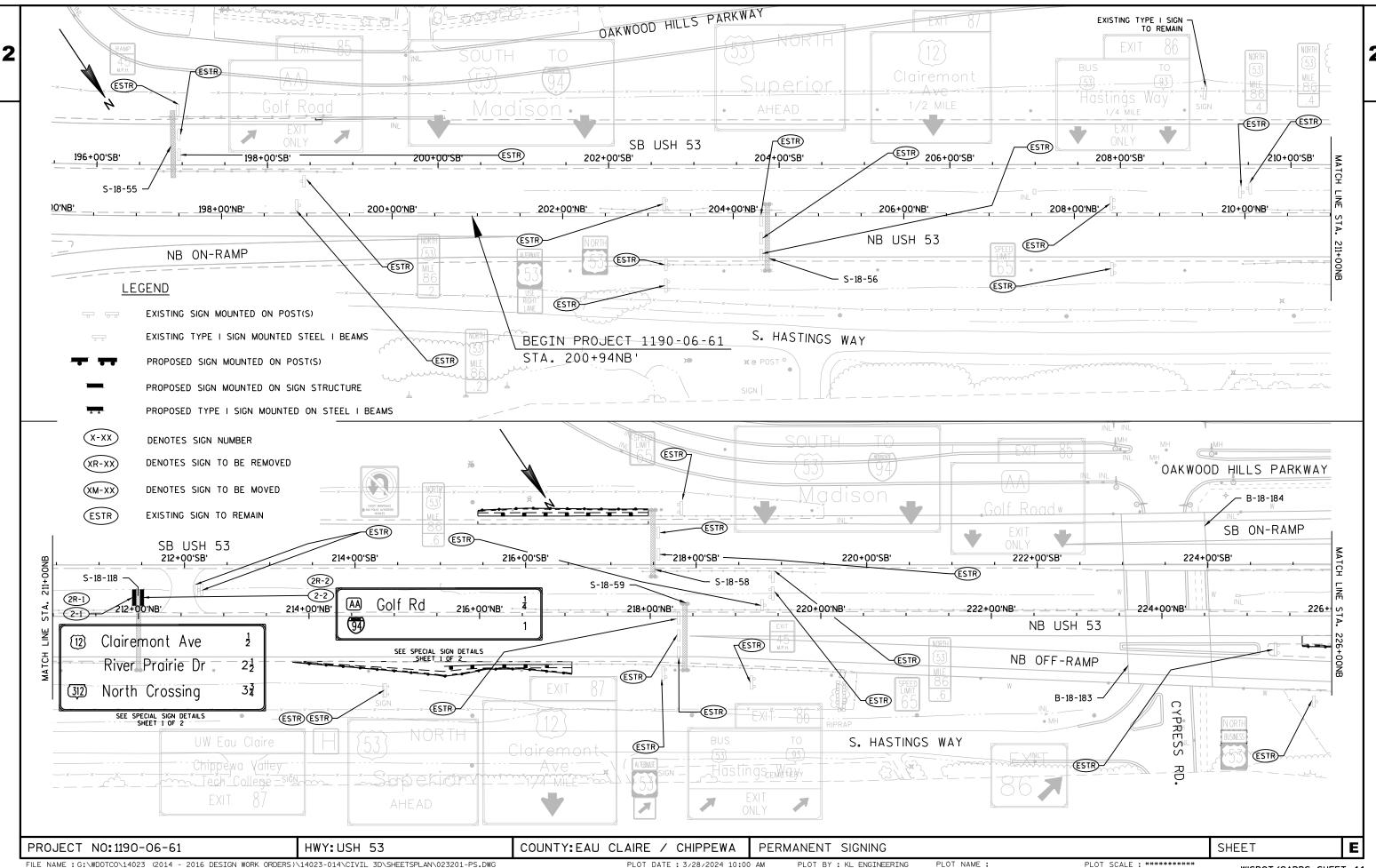
CONSTRUCTION DETAILS PLOT BY : KL ENGINEERING

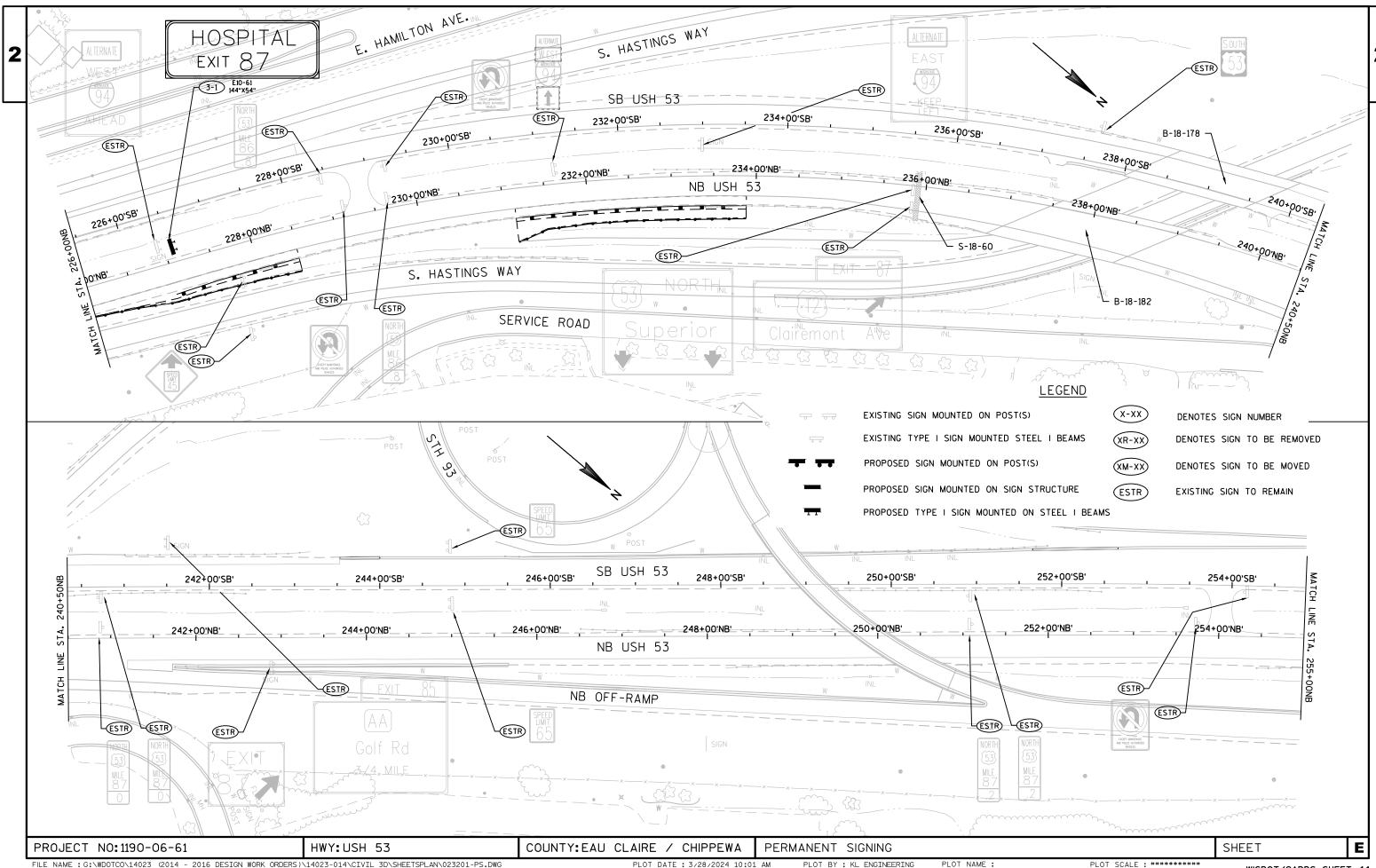
PLOT NAME :

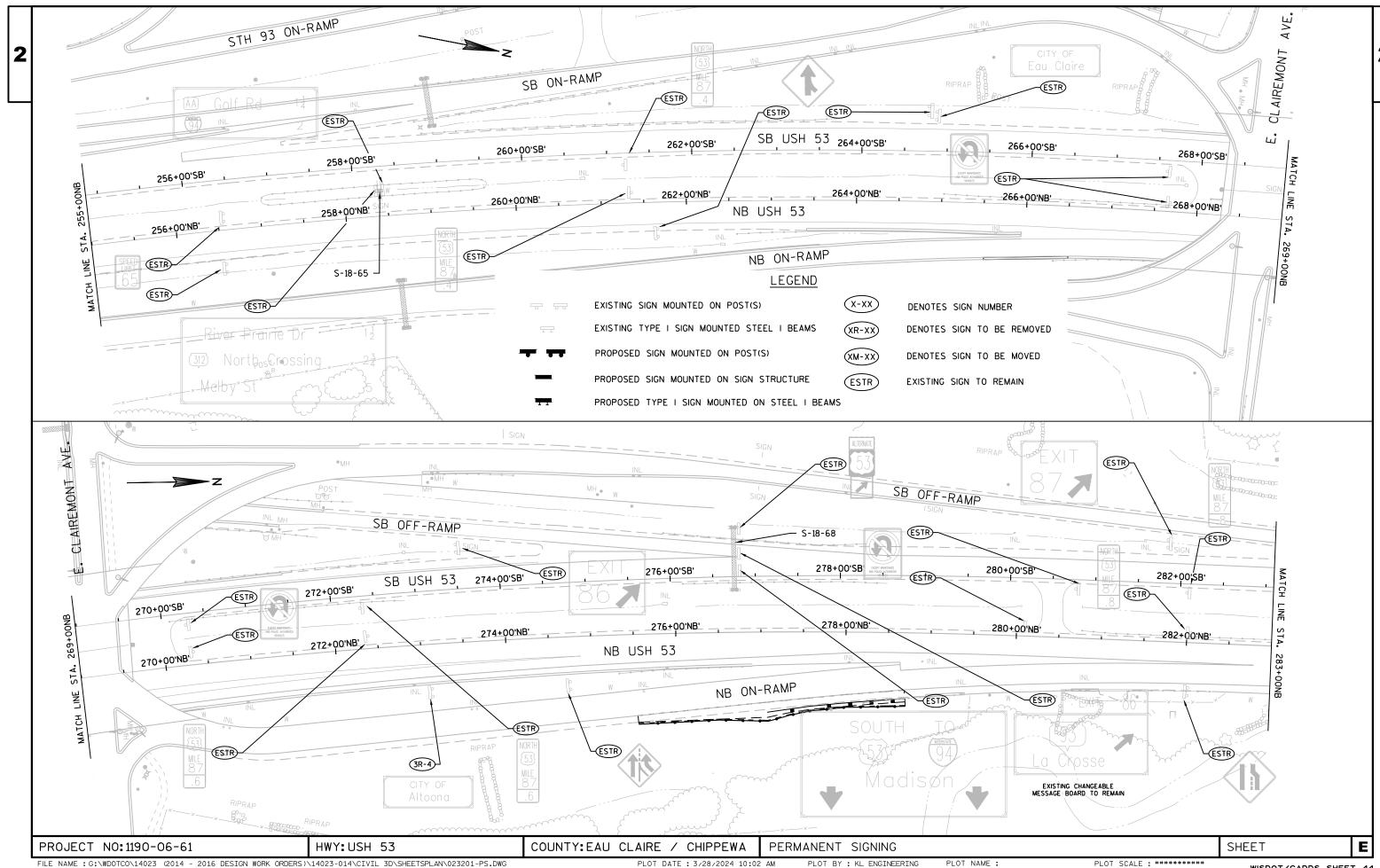
SHEET

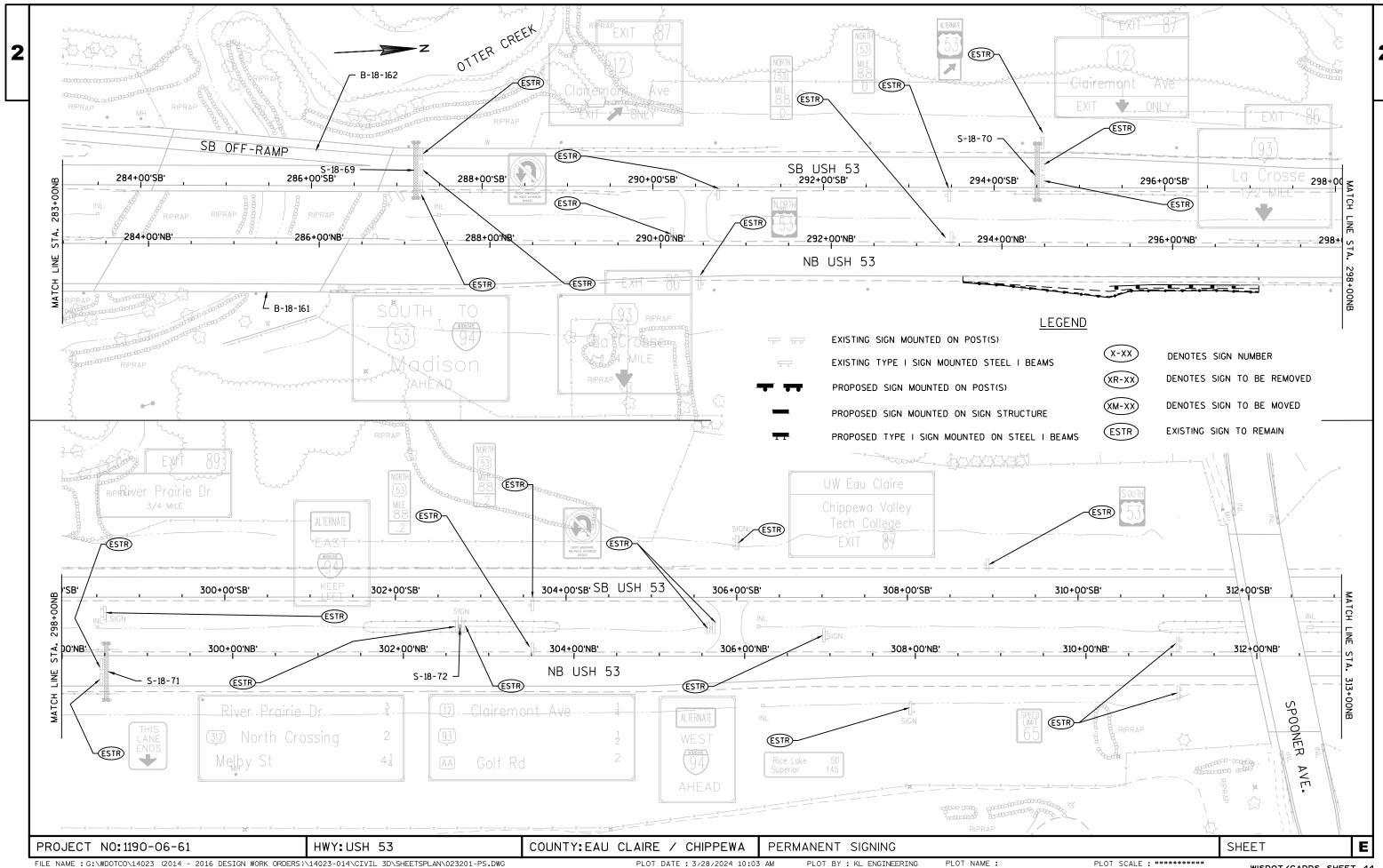
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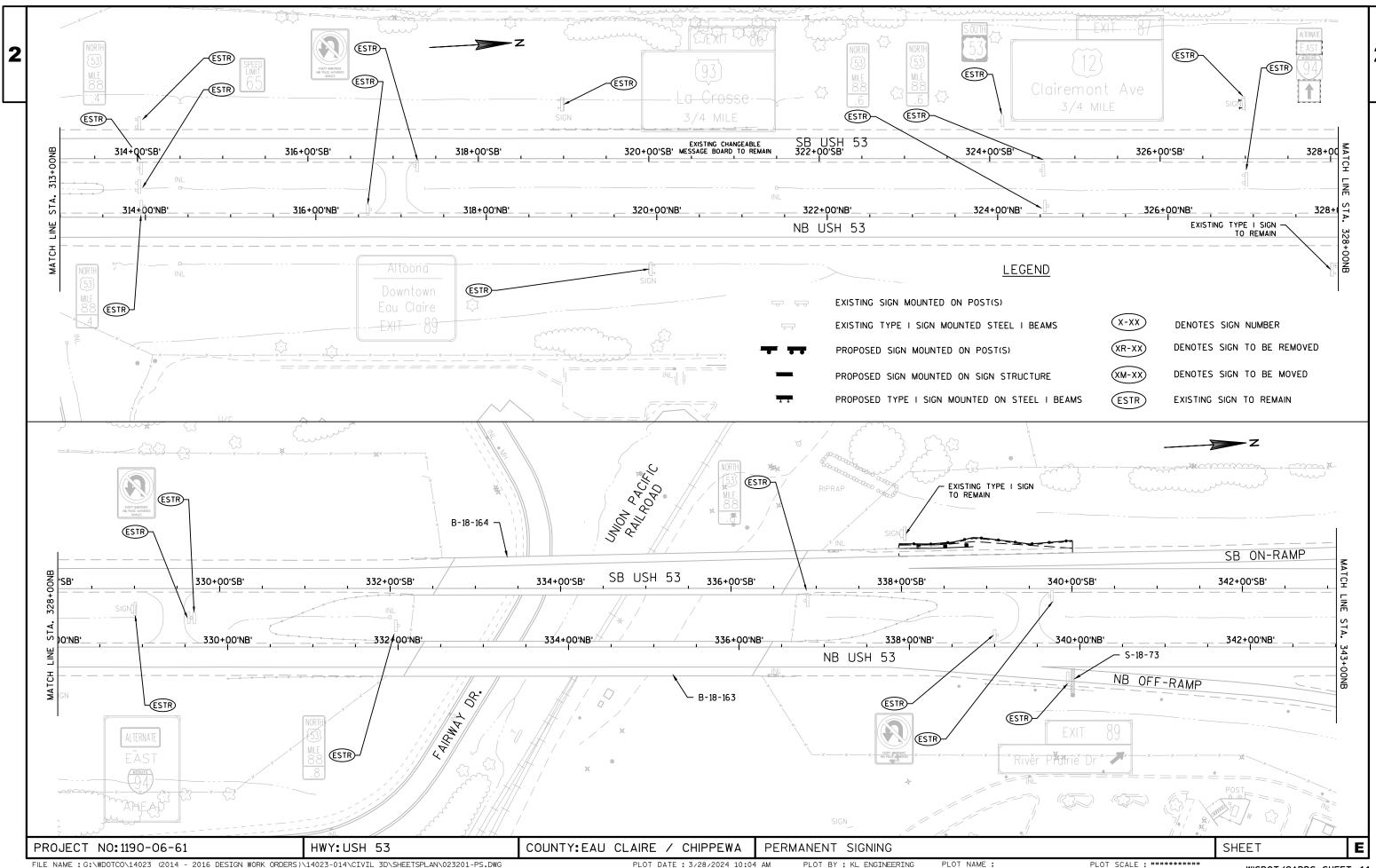


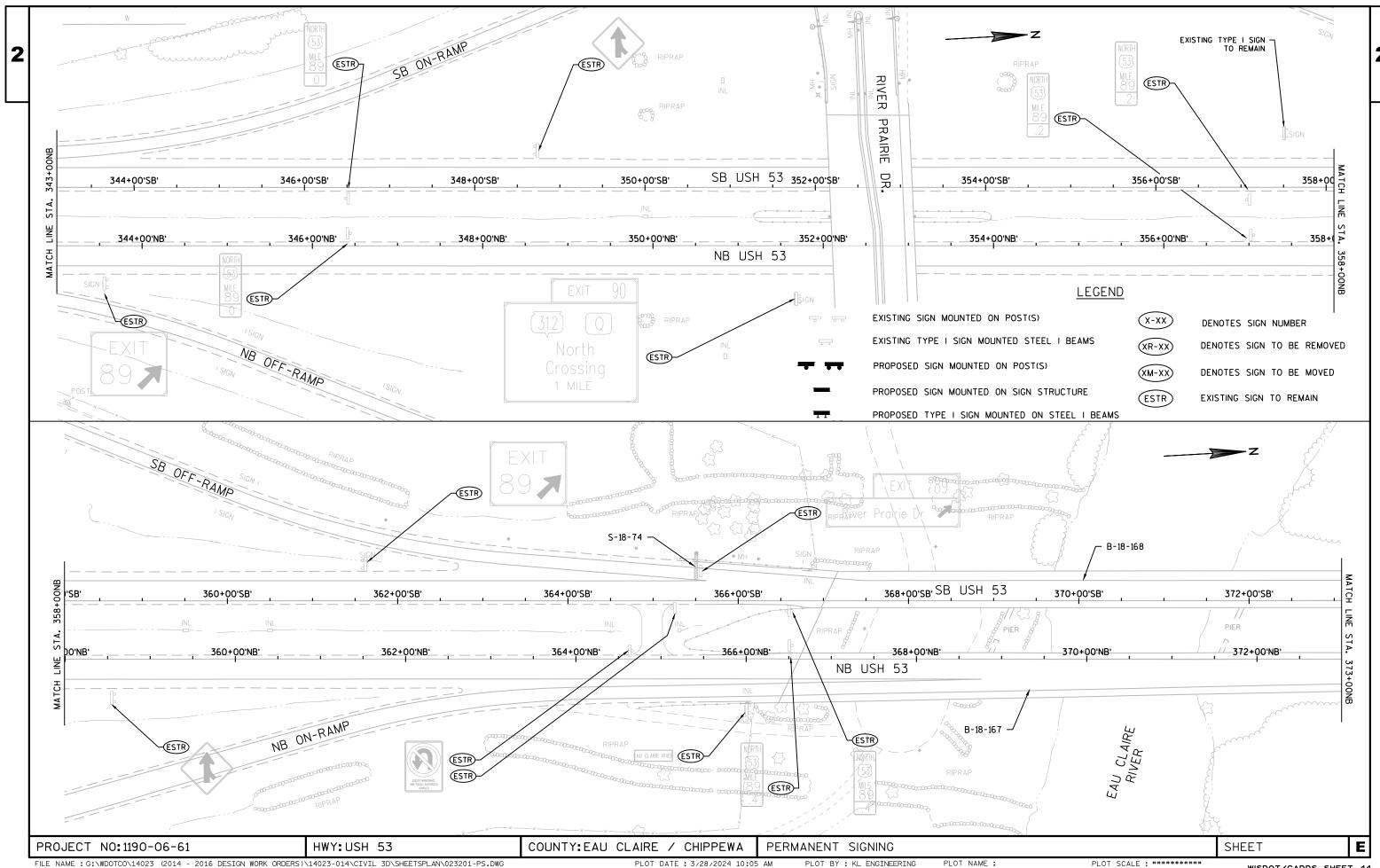


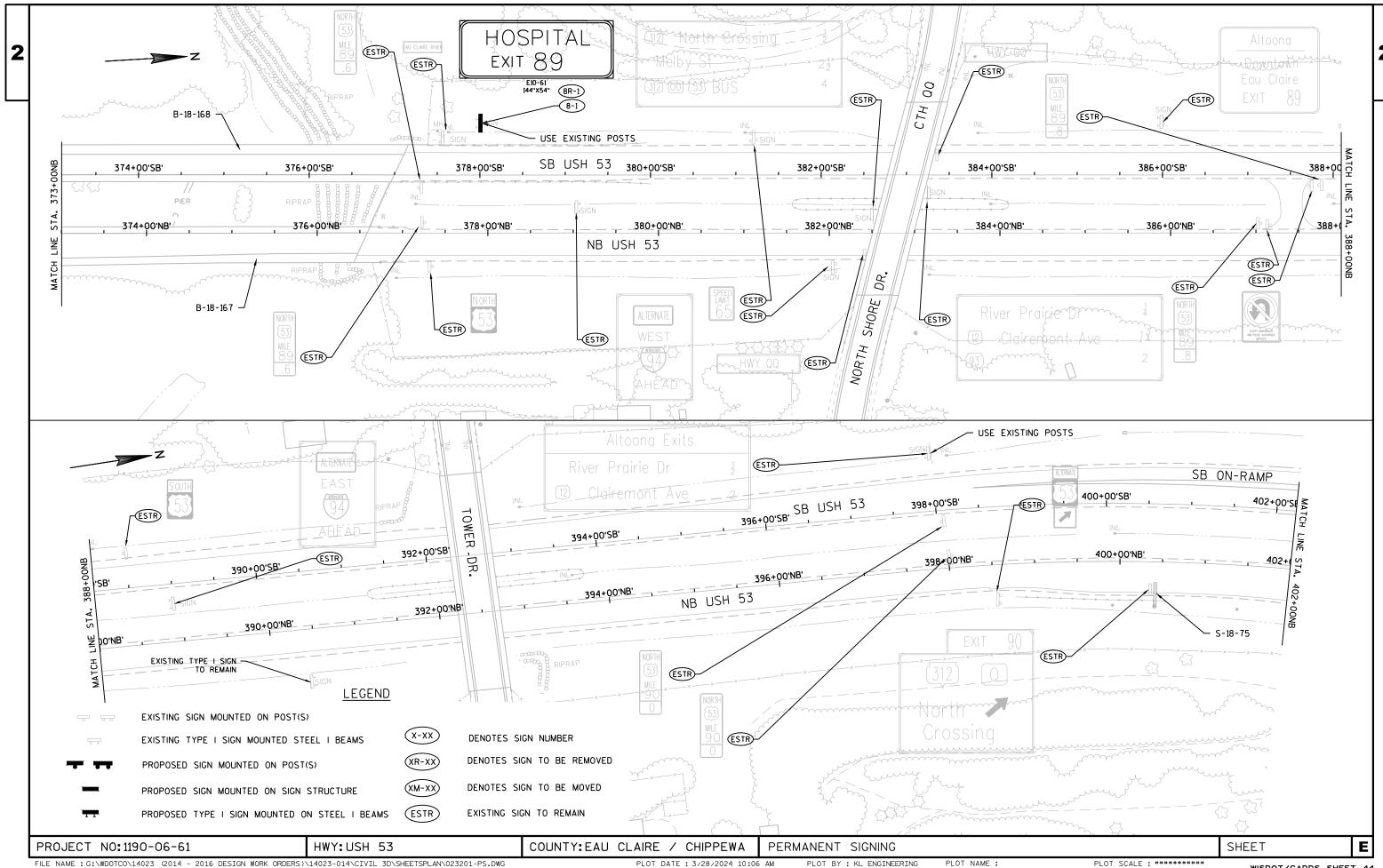


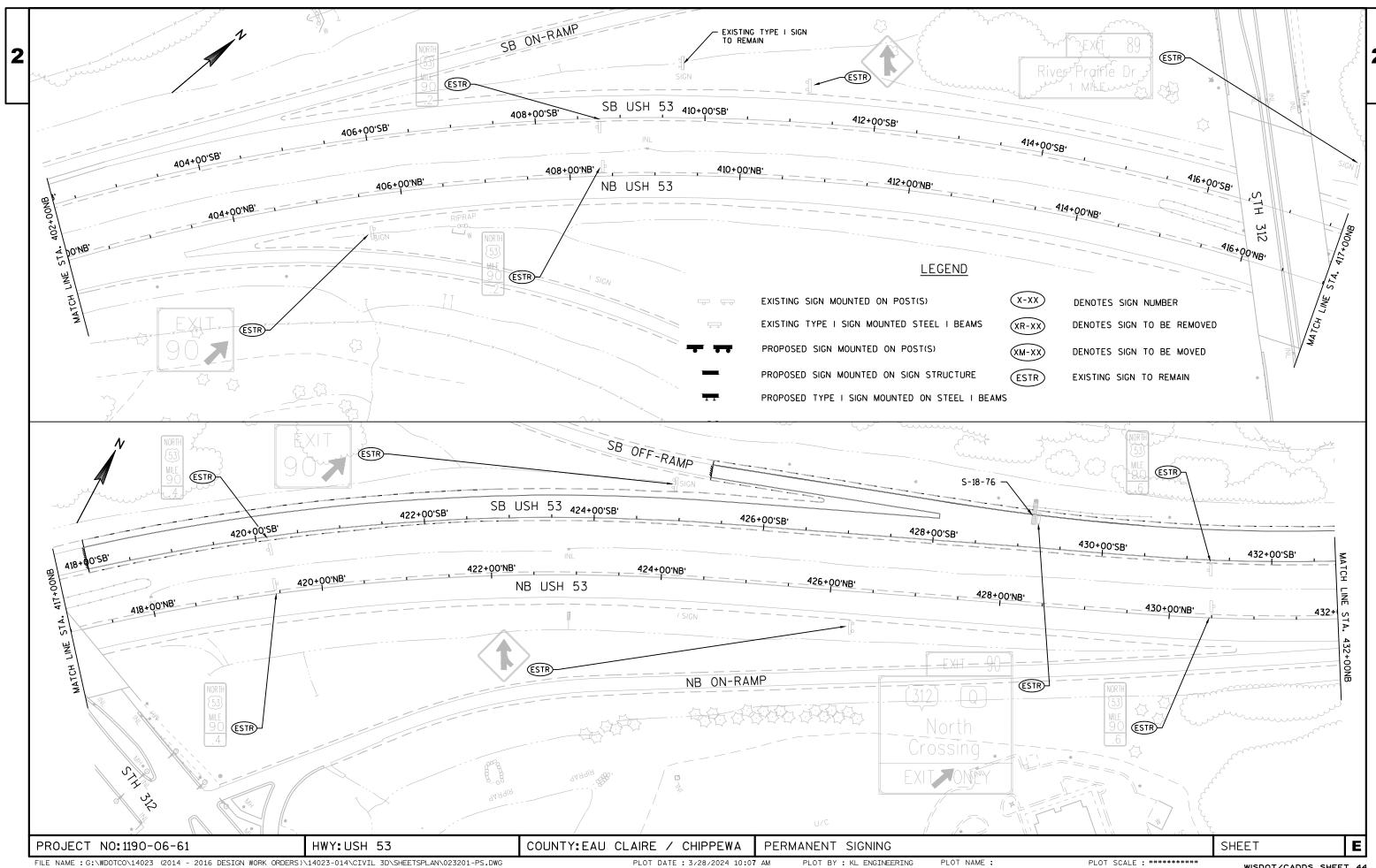


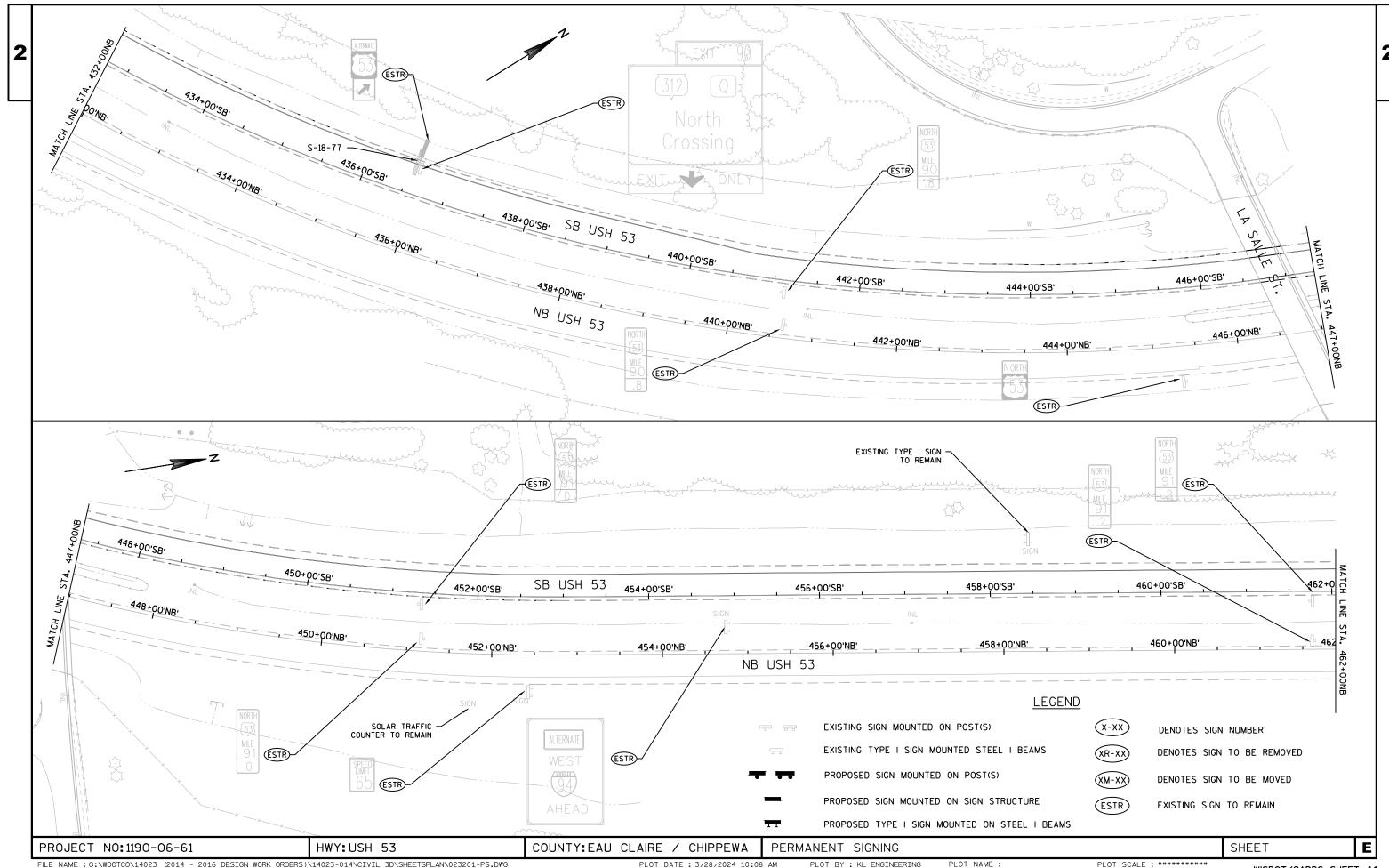


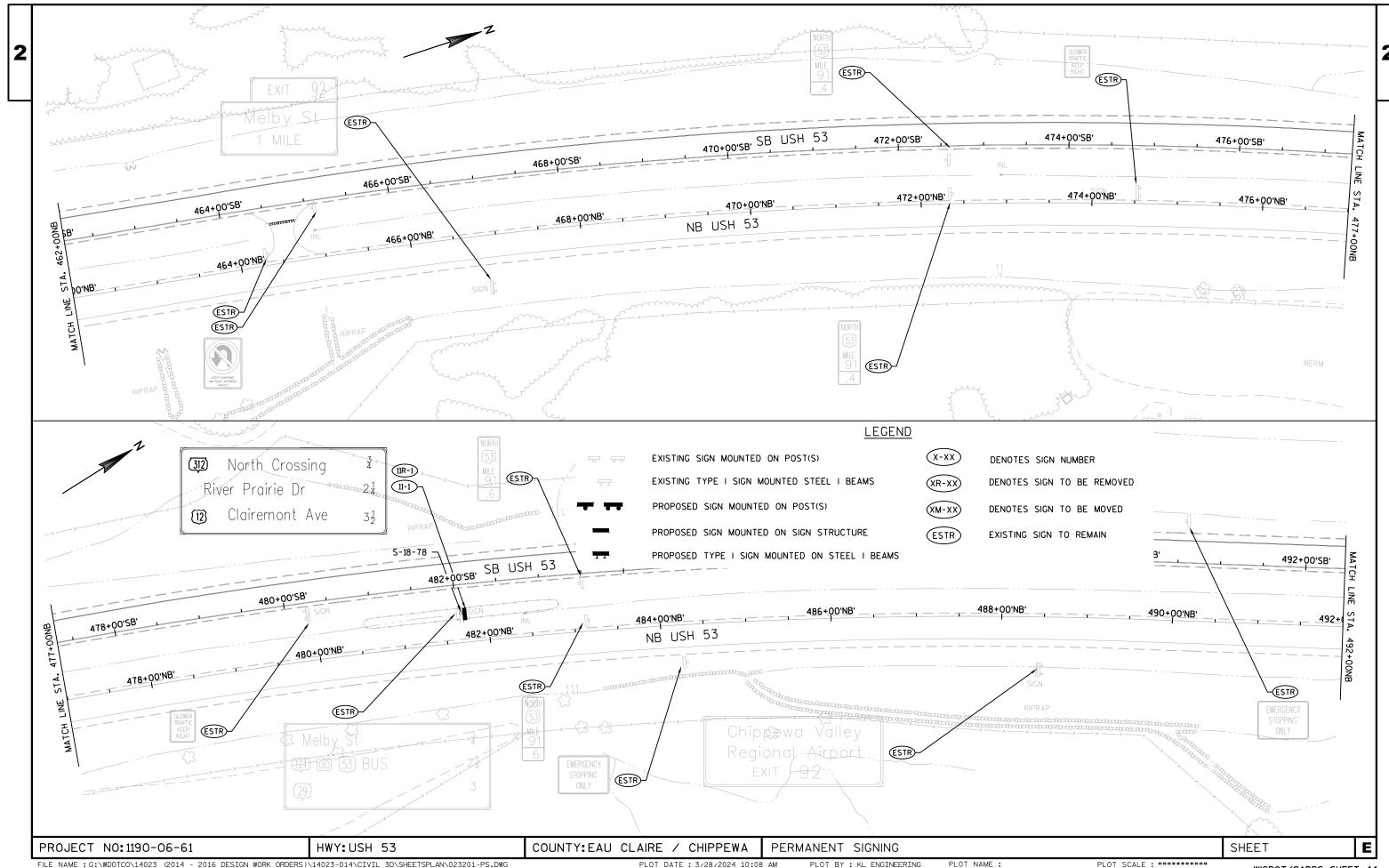


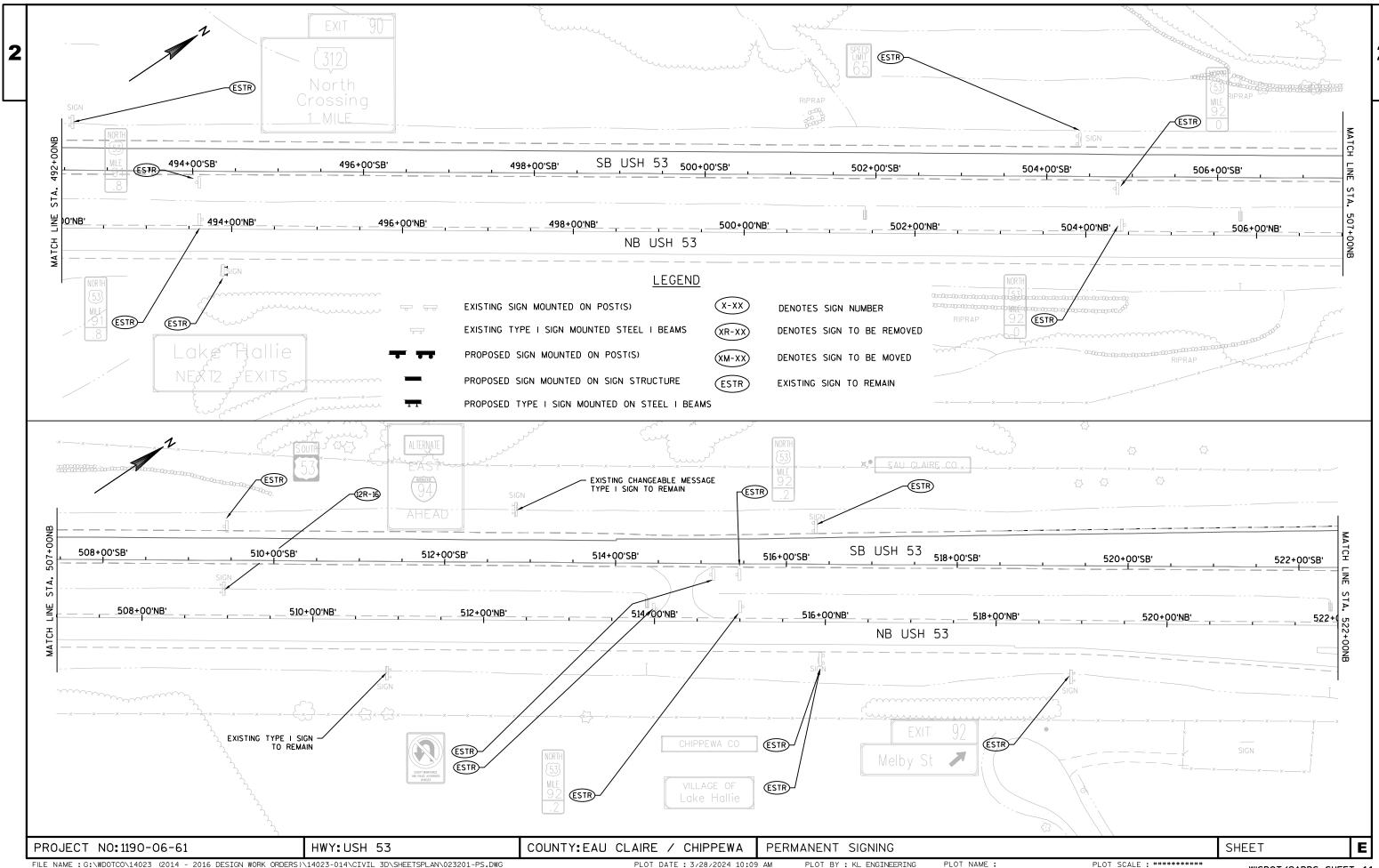


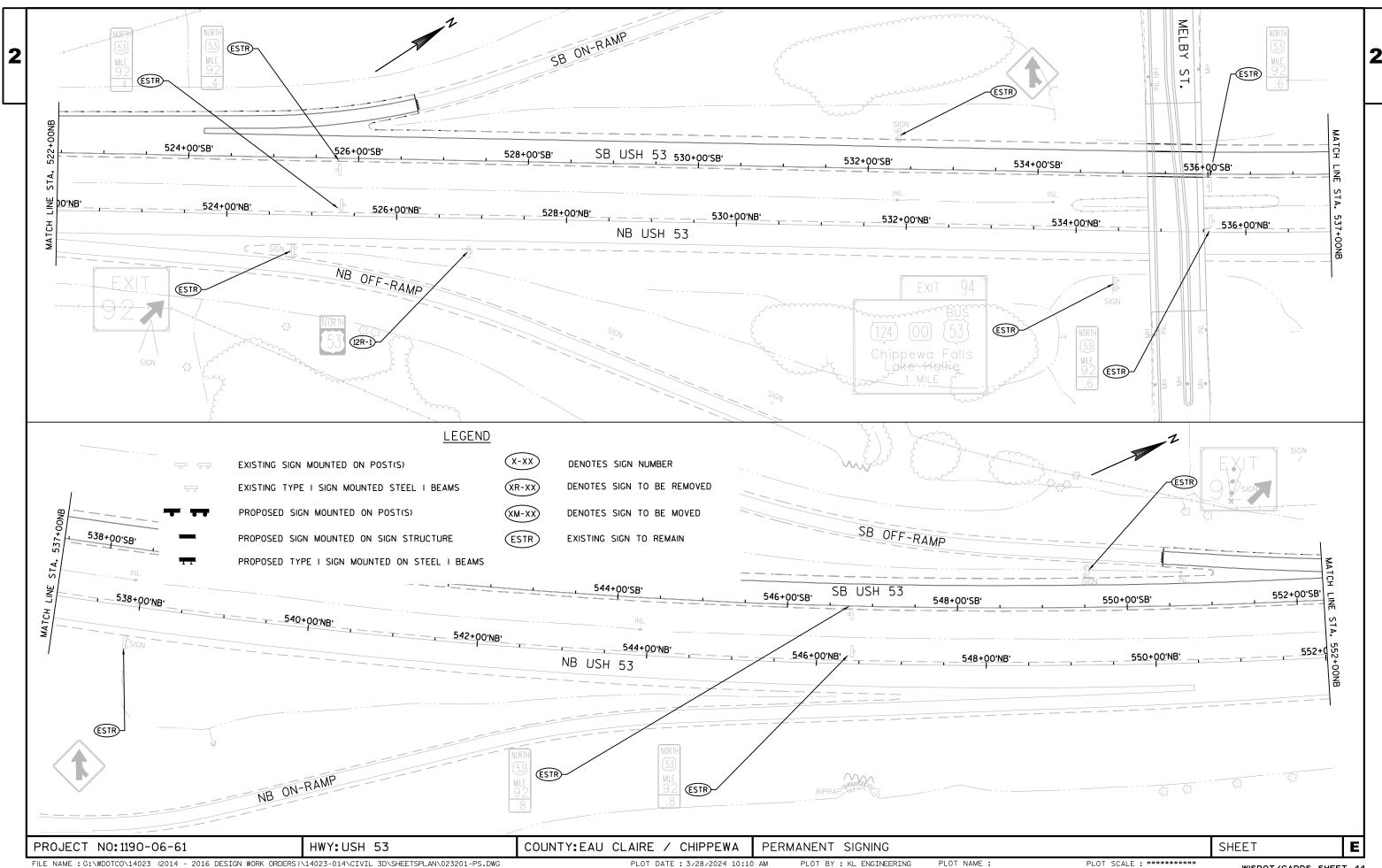


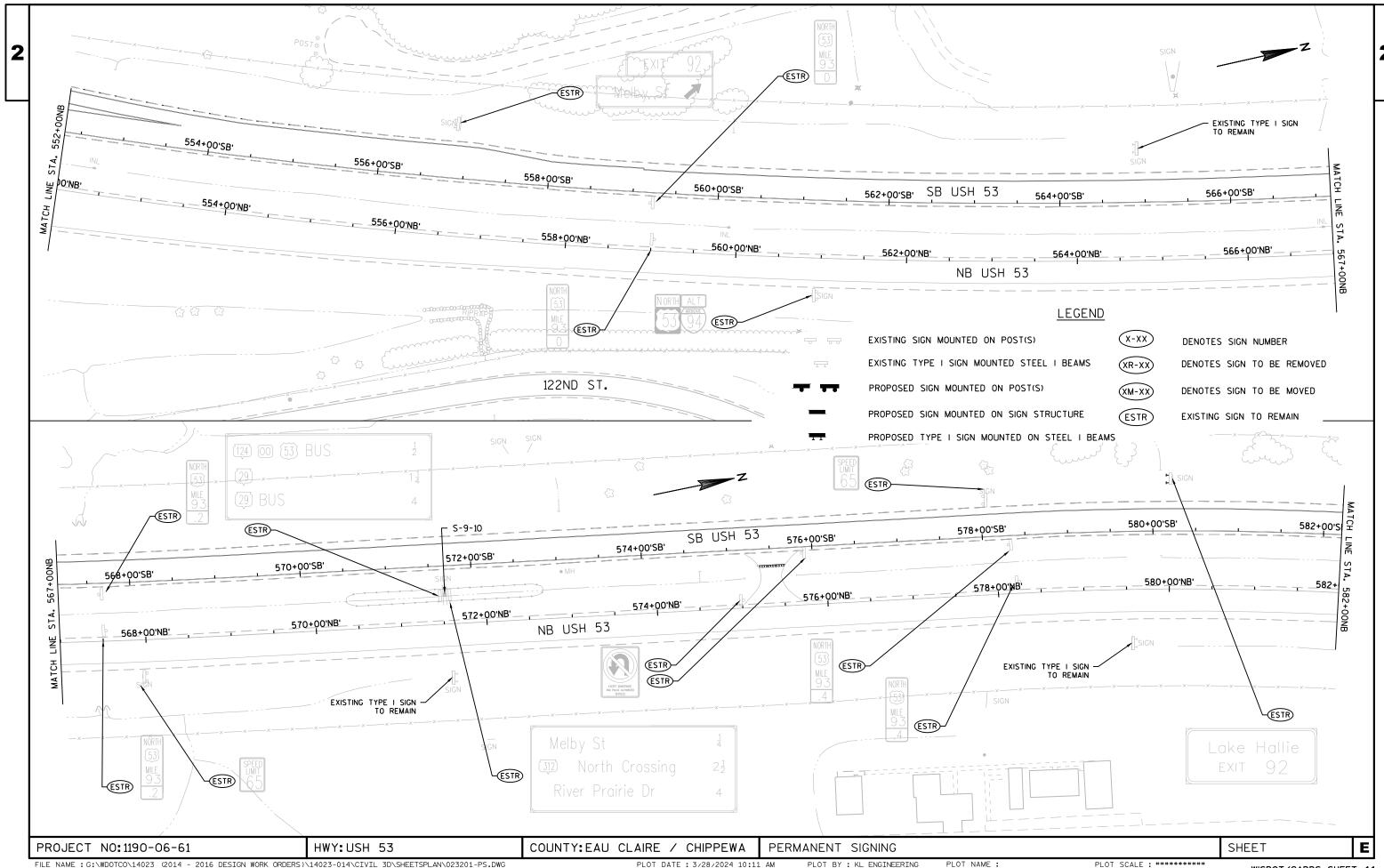


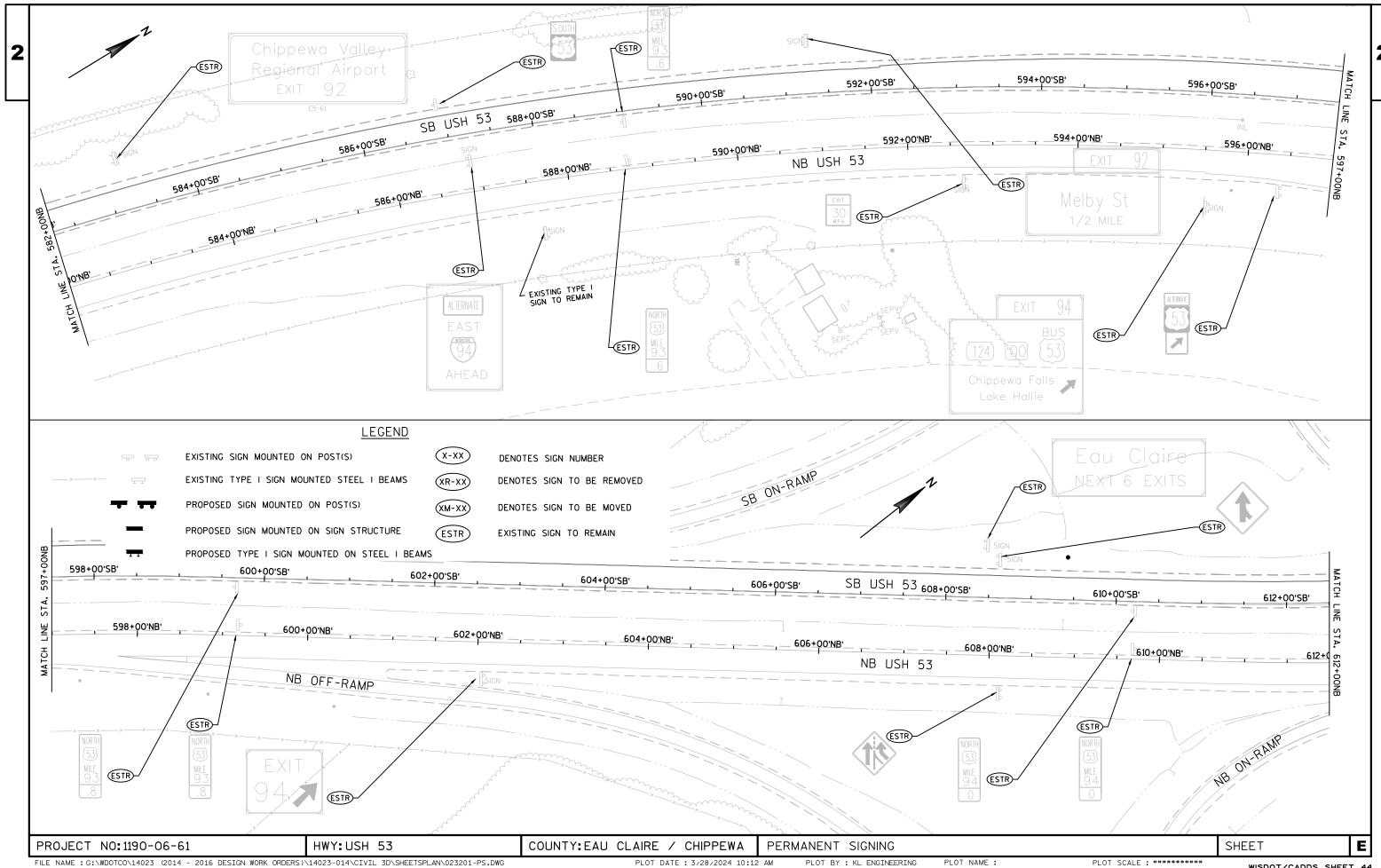


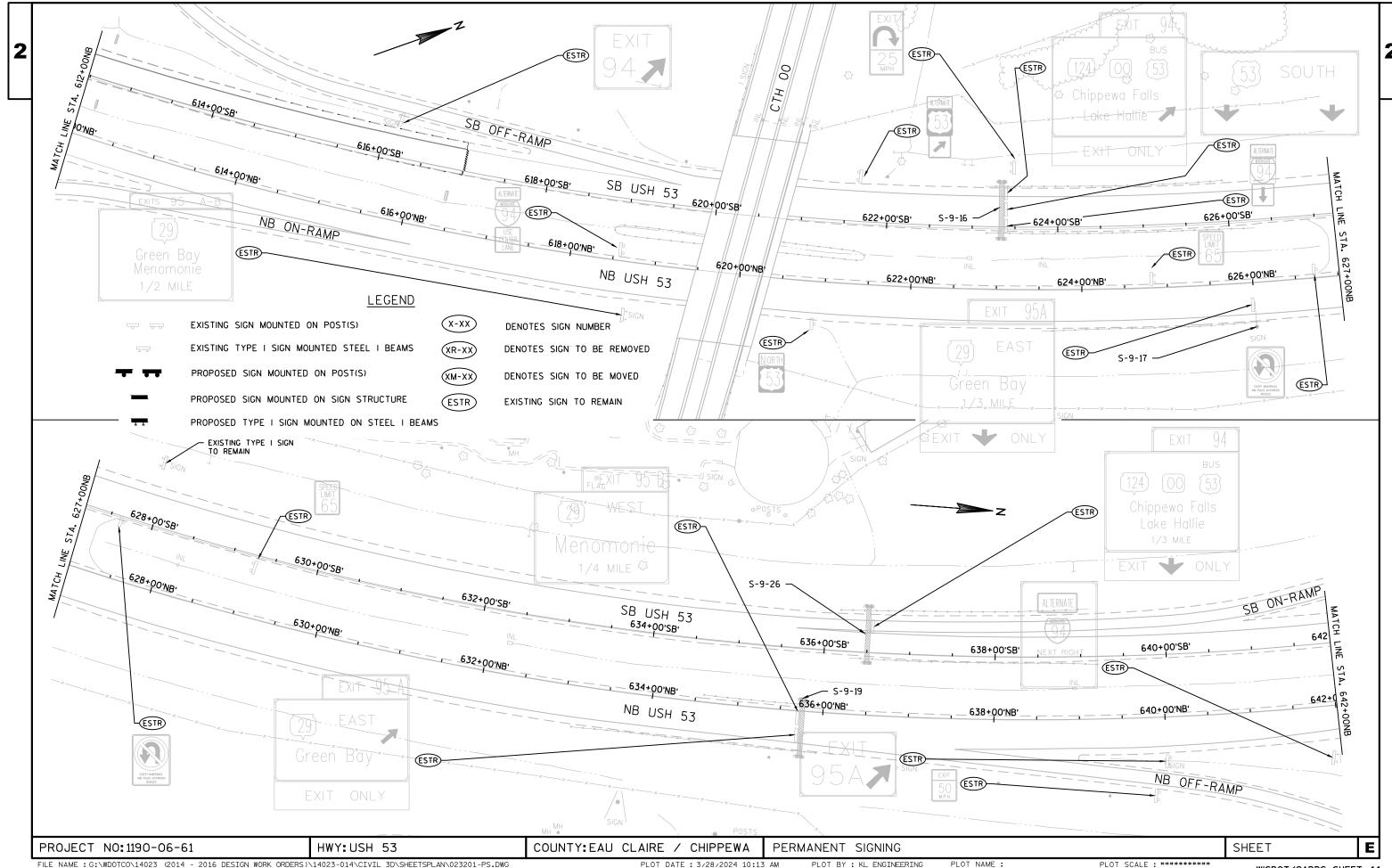


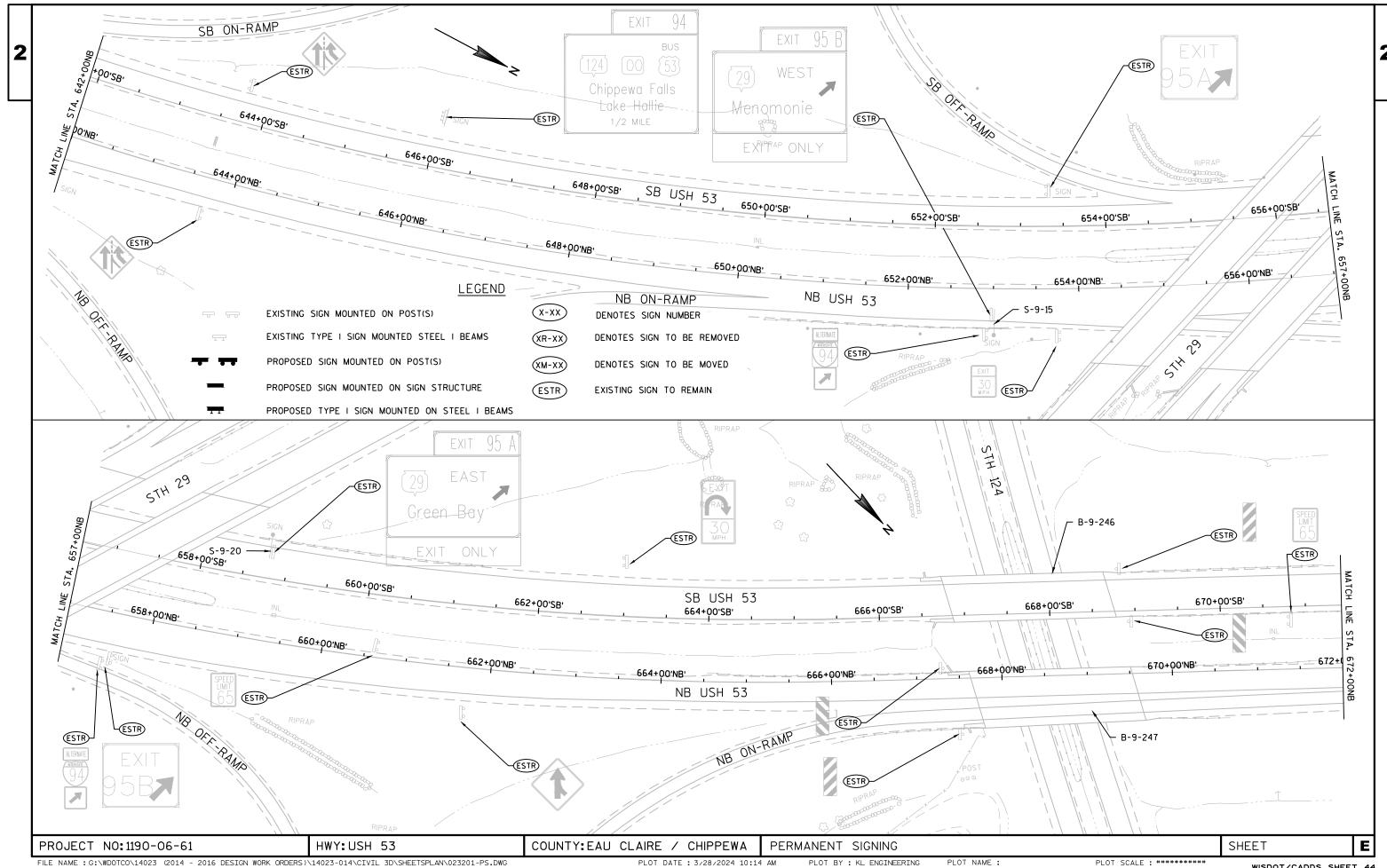


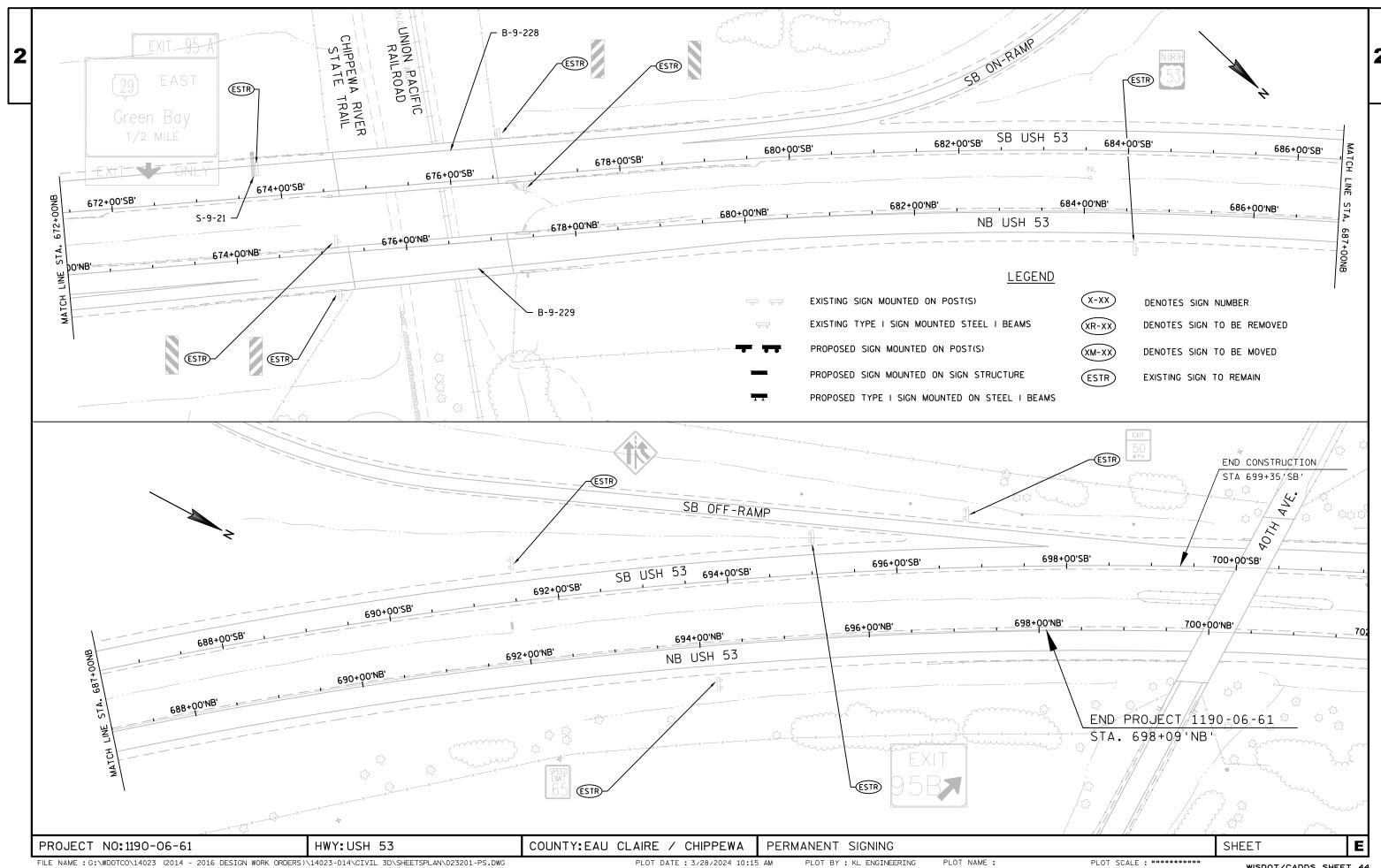


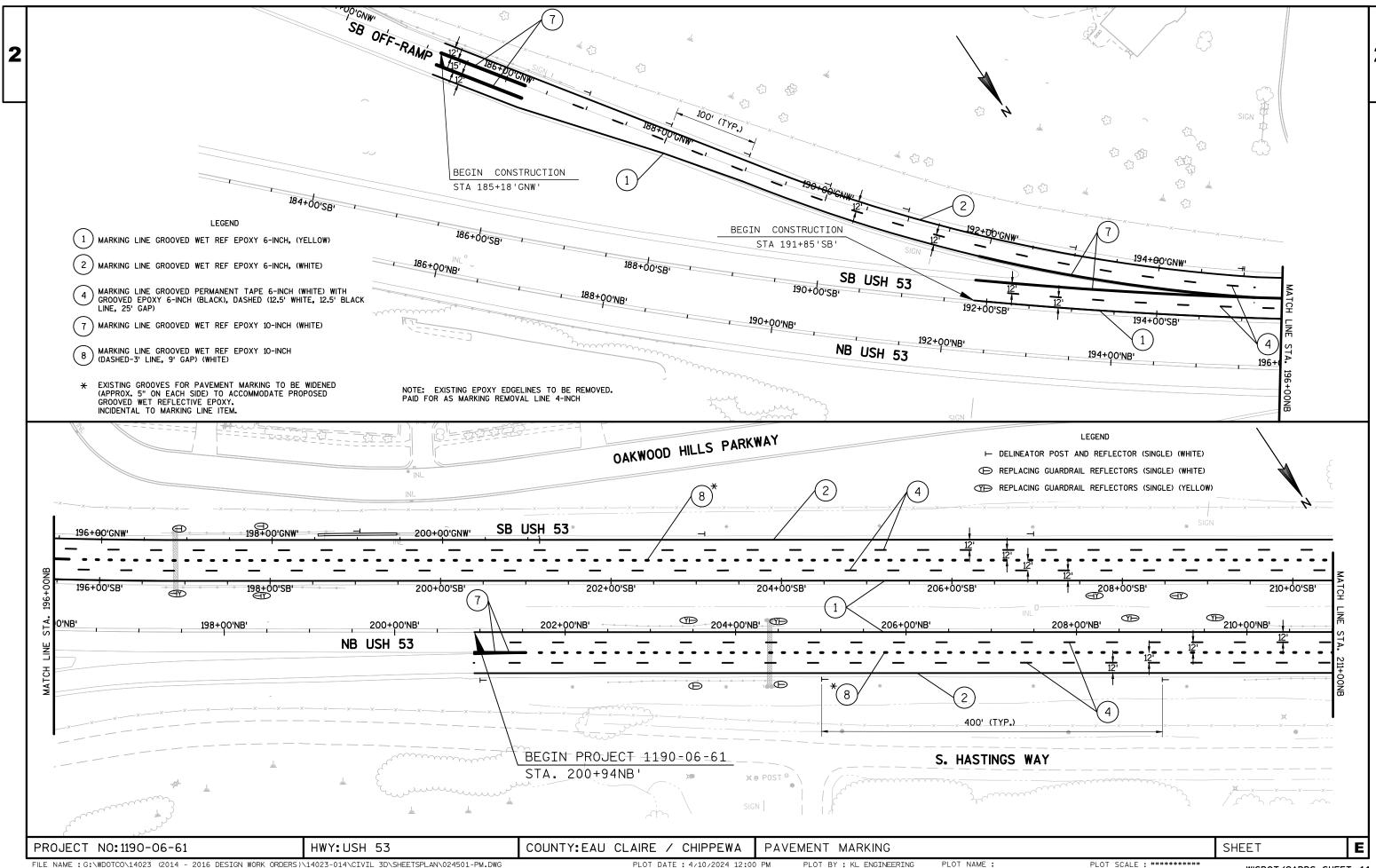


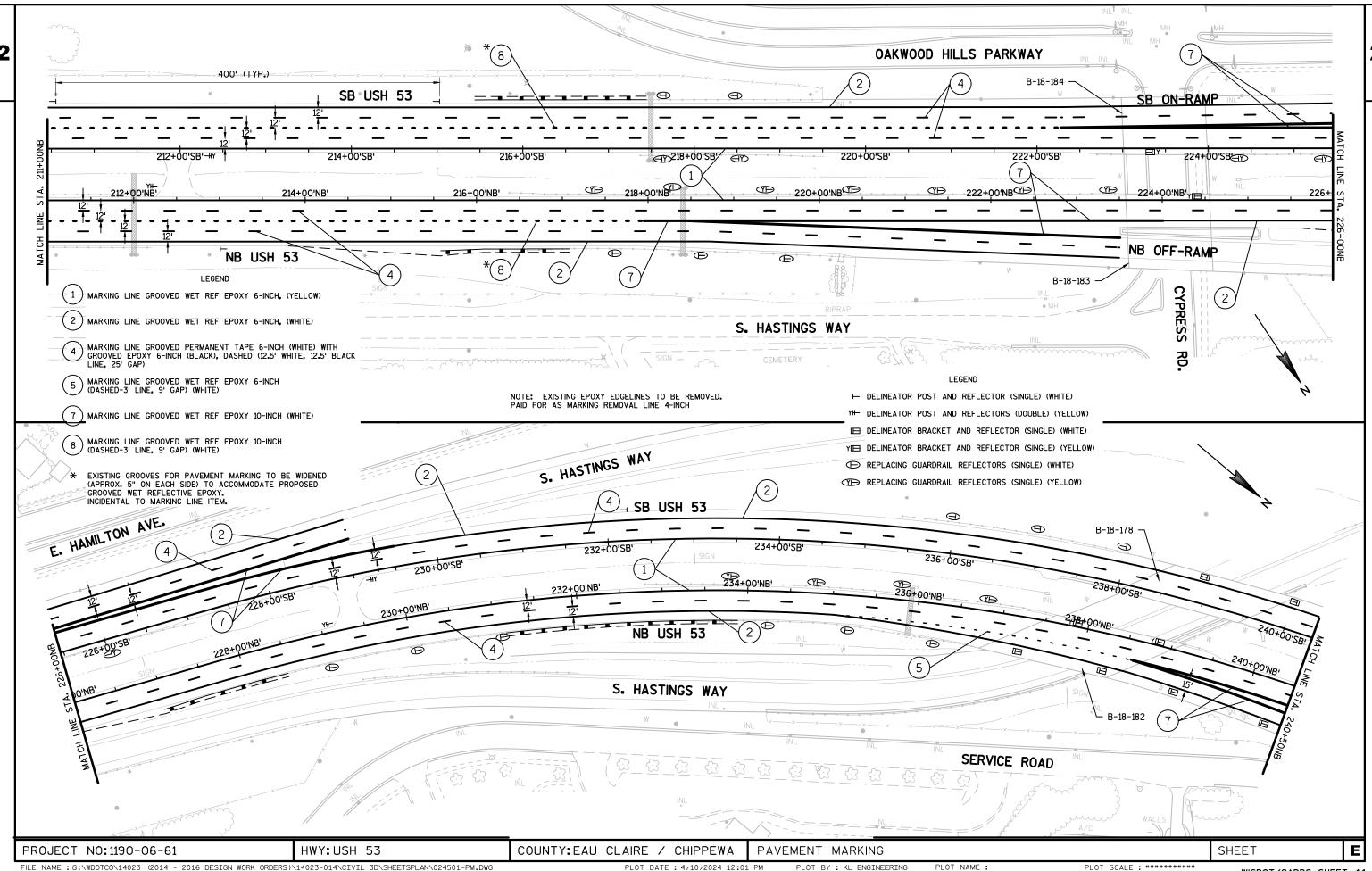


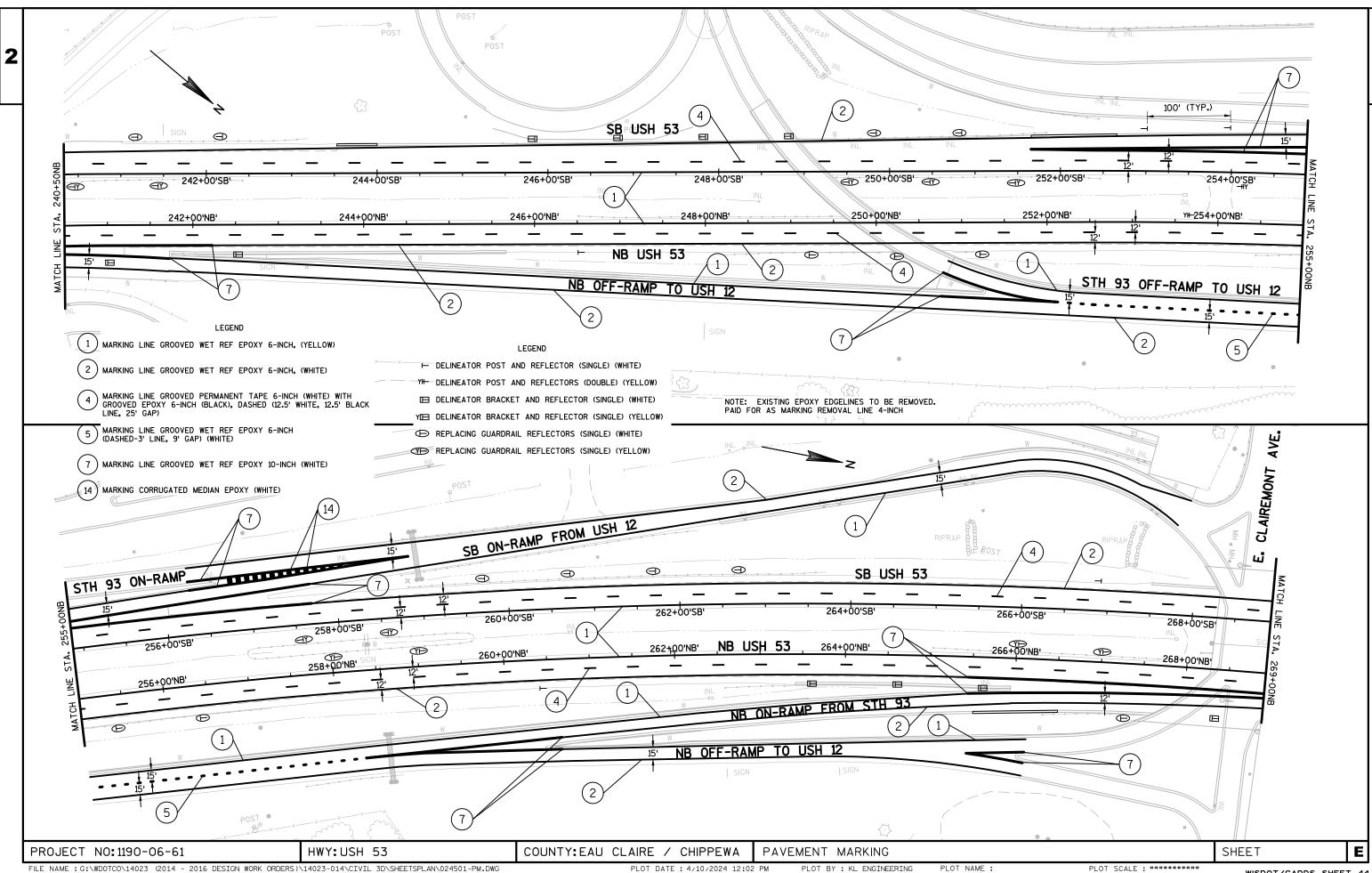




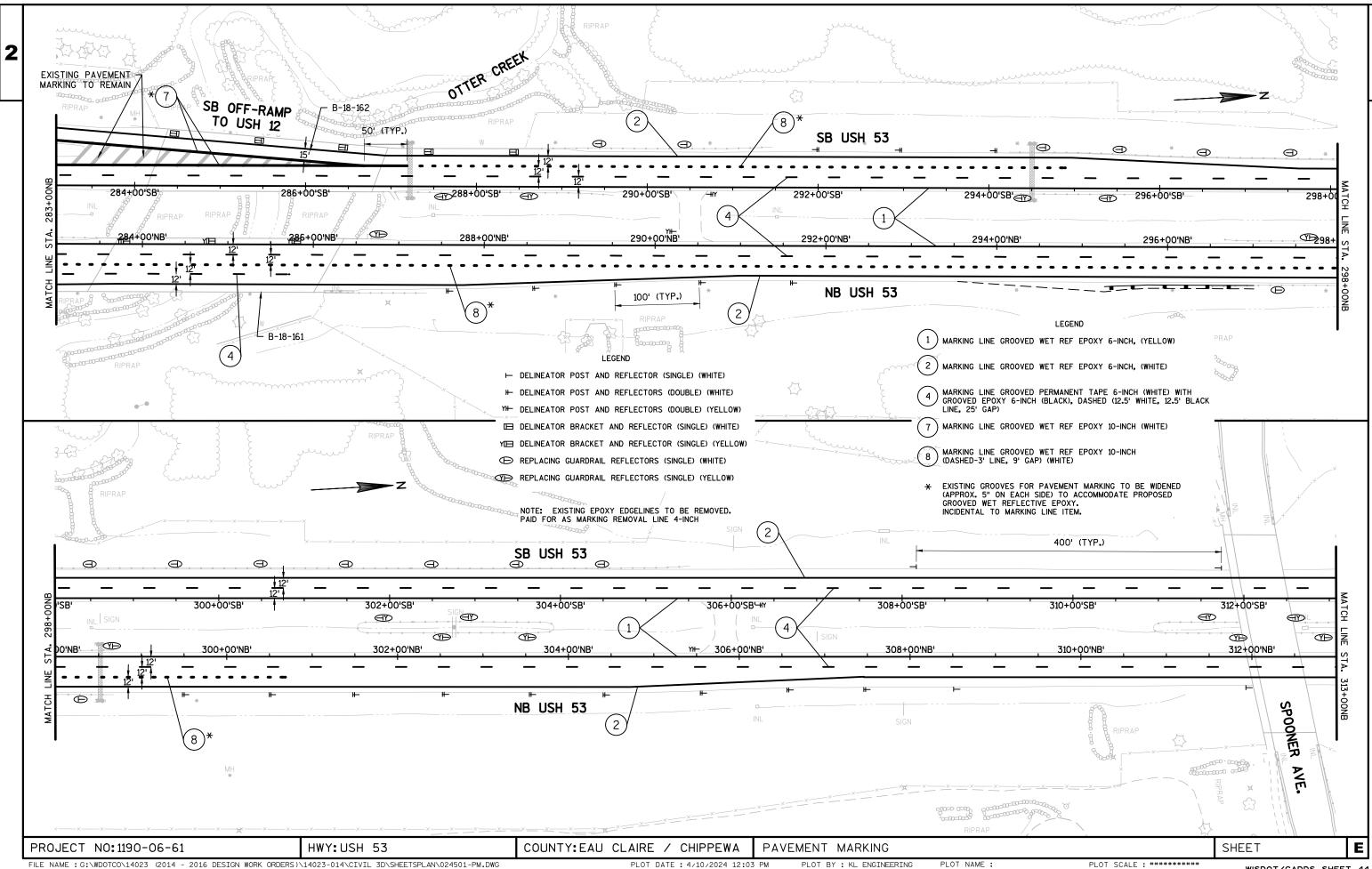


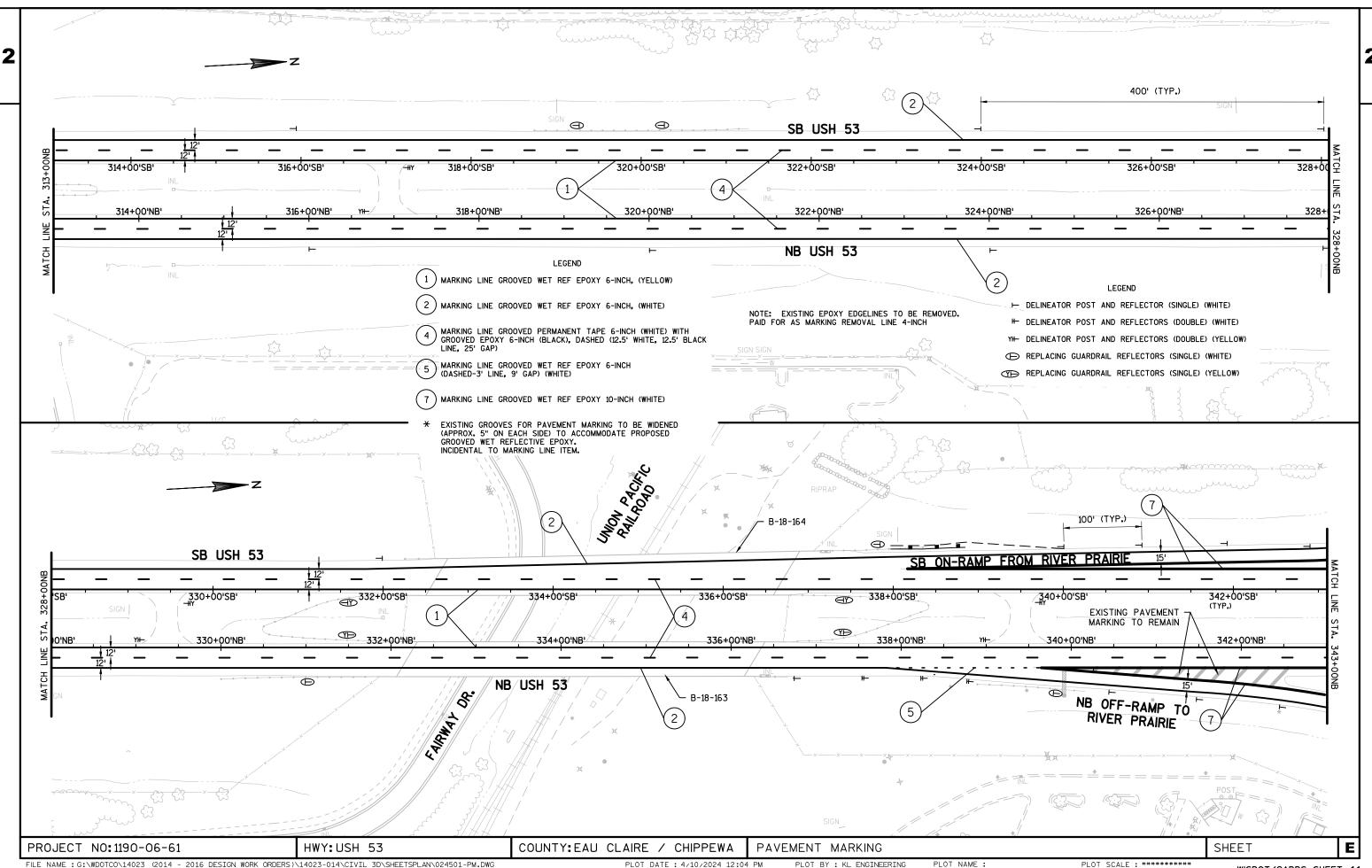


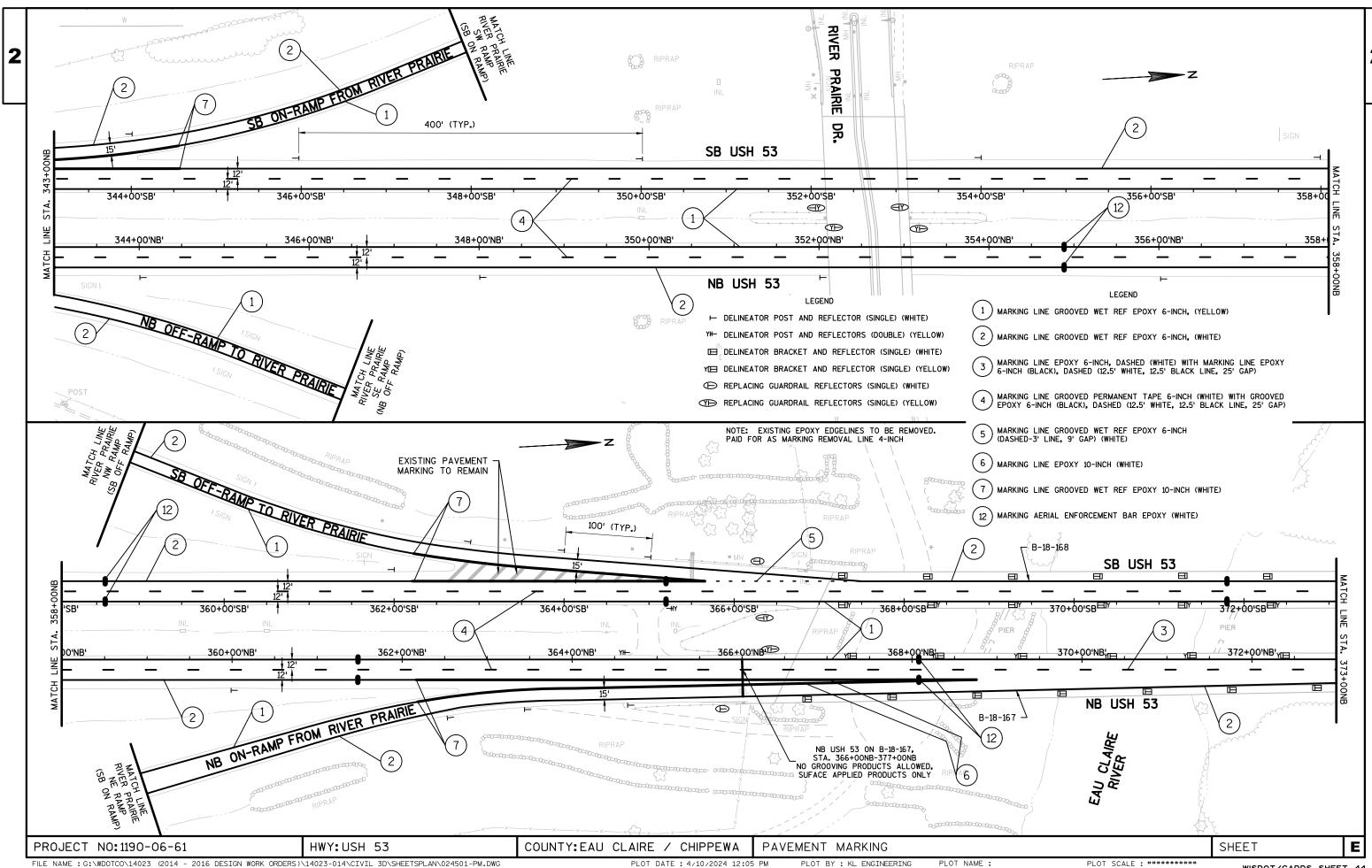


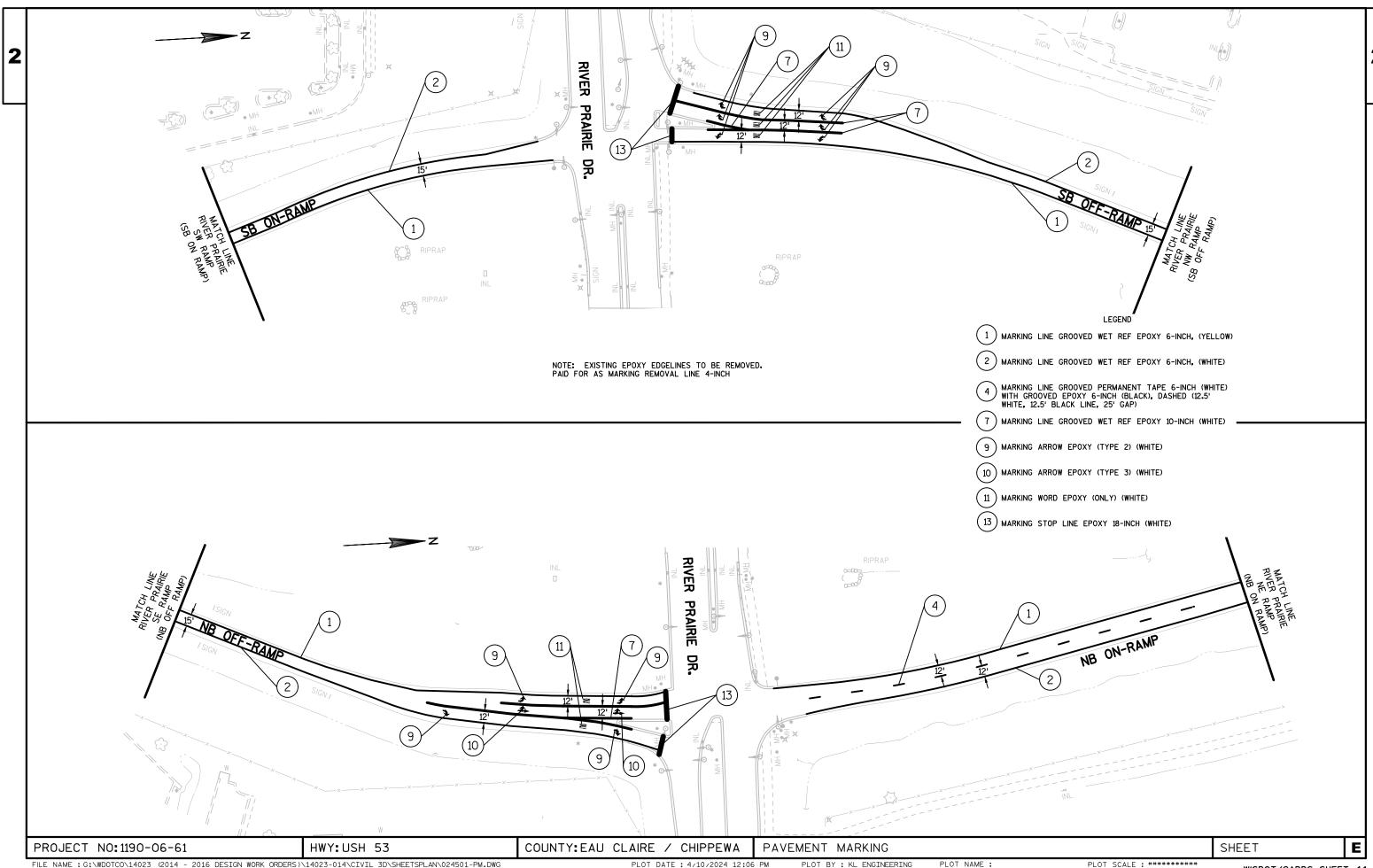


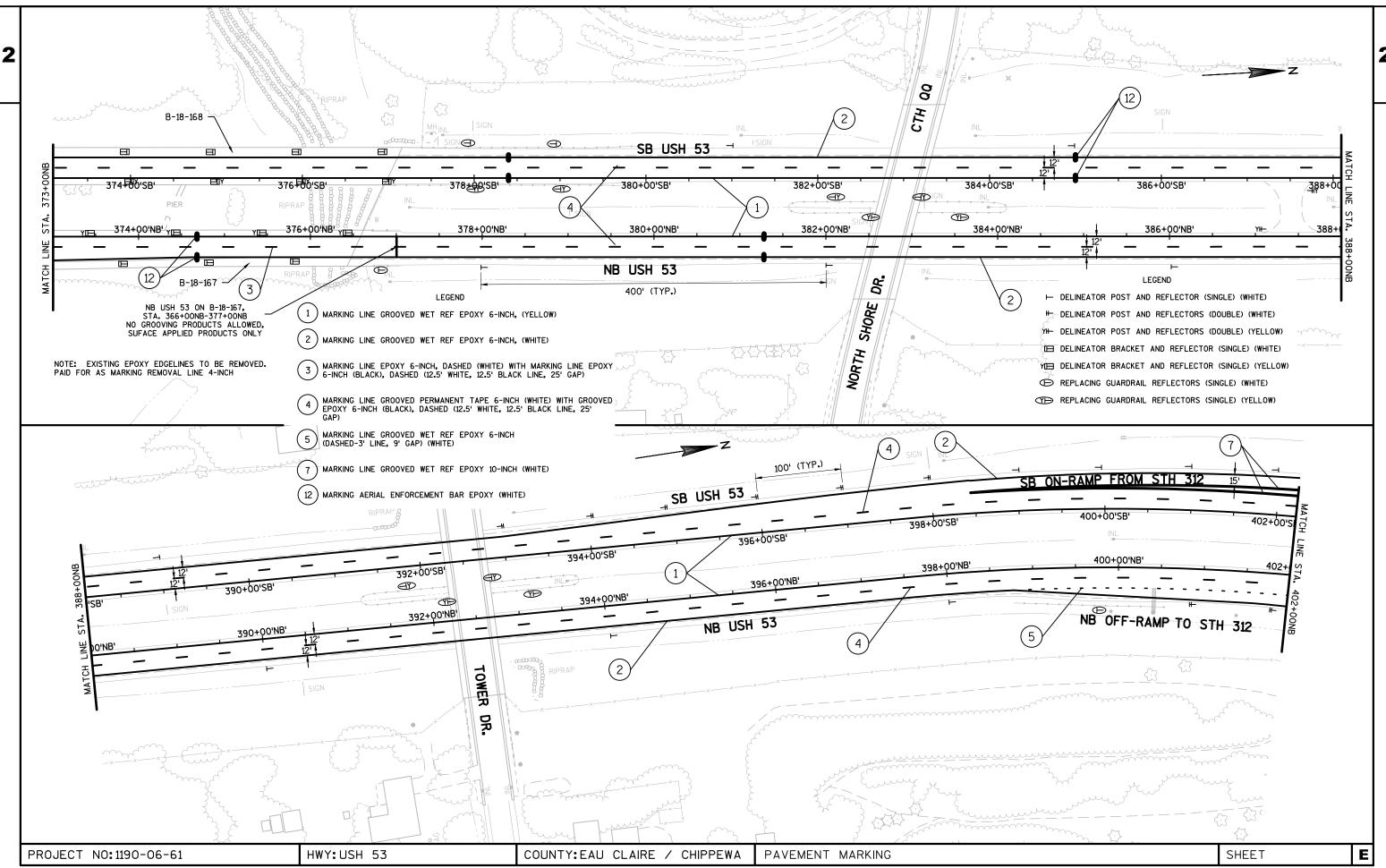
LEGEND $\left(egin{array}{c}1\end{array}
ight)$ marking line grooved wet ref epoxy 6-inch, (yellow) (2) MARKING LINE GROOVED WET REF EPOXY 6-INCH, (WHITE) LEGEND → DELINEATOR POST AND REFLECTOR (SINGLE) (WHITE) MARKING LINE GROOVED PERMANENT TAPE 6-INCH (WHITE) WITH GROOVED EPOXY 6-INCH (BLACK), DASHED (12.5' WHITE, 12.5' BLACK YH- DELINEATOR POST AND REFLECTORS (DOUBLE) (YELLOW) ☐ DELINEATOR BRACKET AND REFLECTOR (SINGLE) (WHITE) MARKING LINE GROOVED WET REF EPOXY 6-INCH (5) MARKING LINE GROUVED MEI NET (DASHED-3' LINE, 9' GAP) (WHITE) REPLACING GUARDRAIL REFLECTORS (SINGLE) (WHITE) REPLACING GUARDRAIL REFLECTORS (SINGLE) (YELLOW) 7) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) NOTE: EXISTING EPOXY EDGELINES TO BE REMOVED. MARKING LINE GROOVED WET REF EPOXY 10-INCH (DASHED-3' LINE, 9' GAP) (WHITE) PAID FOR AS MARKING REMOVAL LINE 4-INCH EXISTING GROOVES FOR PAVEMENT MARKING TO BE WIDENED (APPROX. 5" ON EACH SIDE) TO ACCOMMODATE PROPOSED GROOVED WET REFLECTIVE EPOXY. INCIDENTAL TO MARKING LINE ITEM. EXISTING PAVEMENT MARKING TO REMAIN SB OFF-RAMP TO STH 93 270+00'SB' /270+00'NB' 274+00'SB 272+00'NB' SB USH 53 274+00'NB' NB USH 53 NB ON-RAMP FROM USH 12 CLAIREMONT ы PROJECT NO: 1190-06-61 HWY: USH 53 COUNTY: EAU CLAIRE / CHIPPEWA PAVEMENT MARKING SHEET

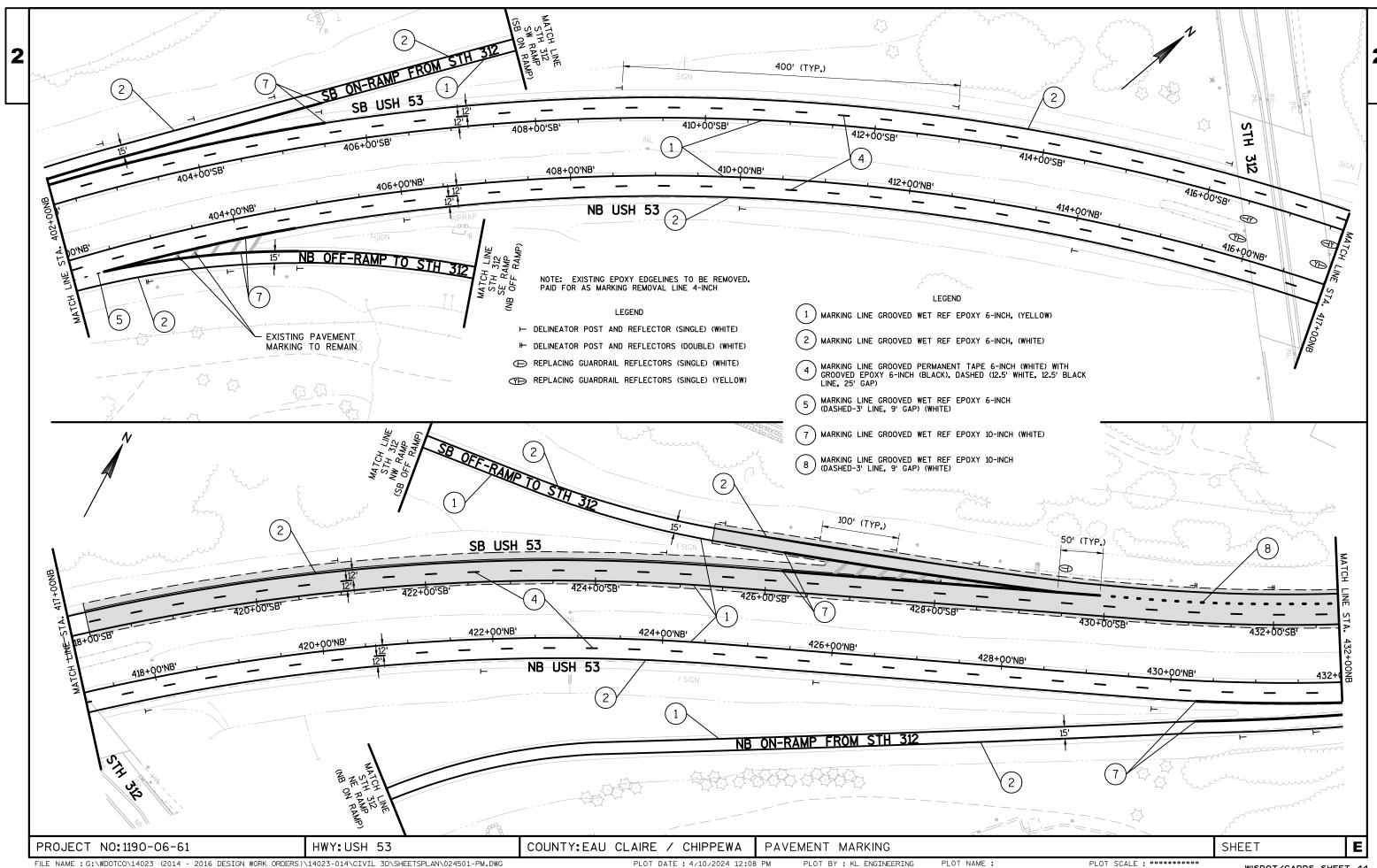


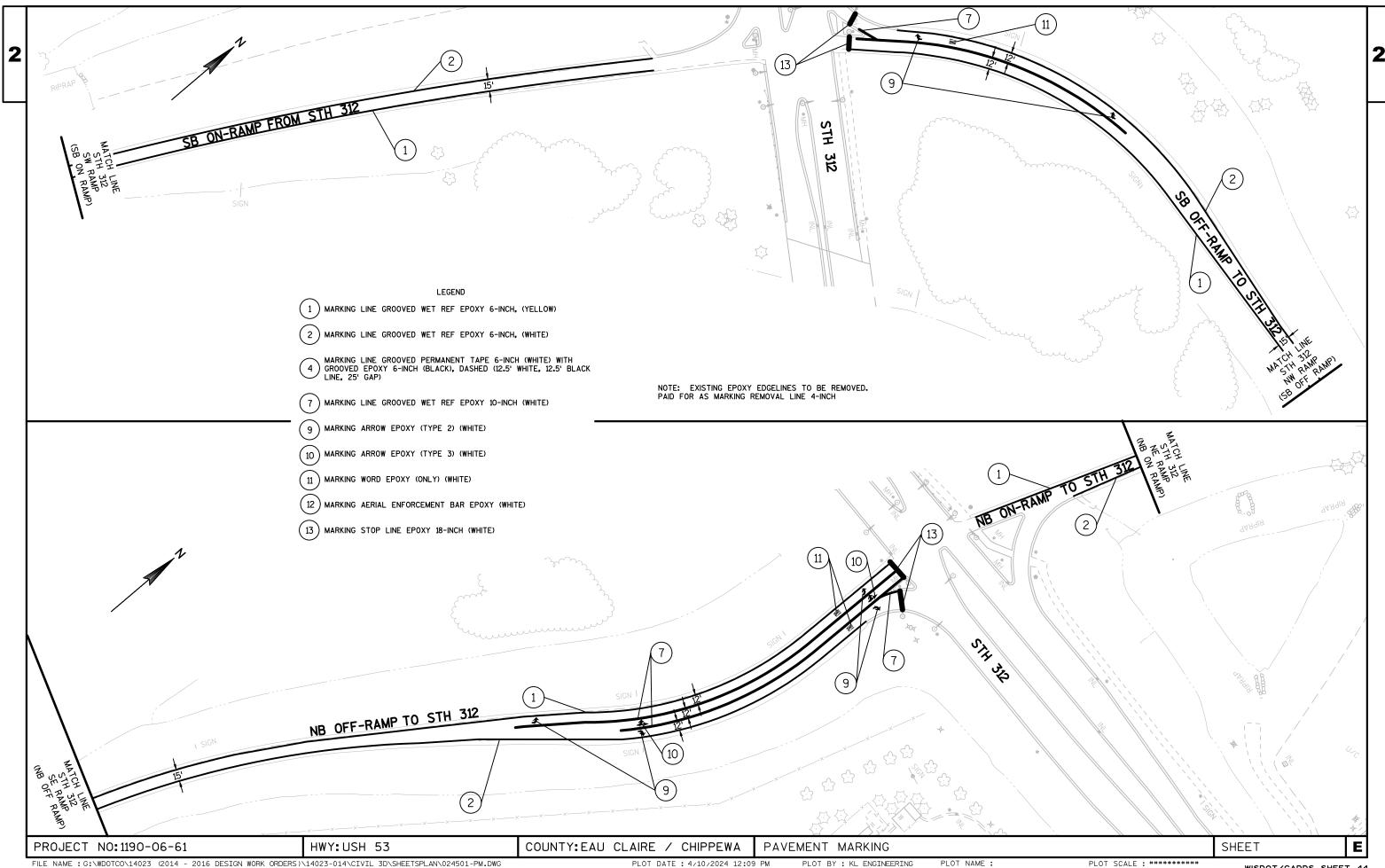


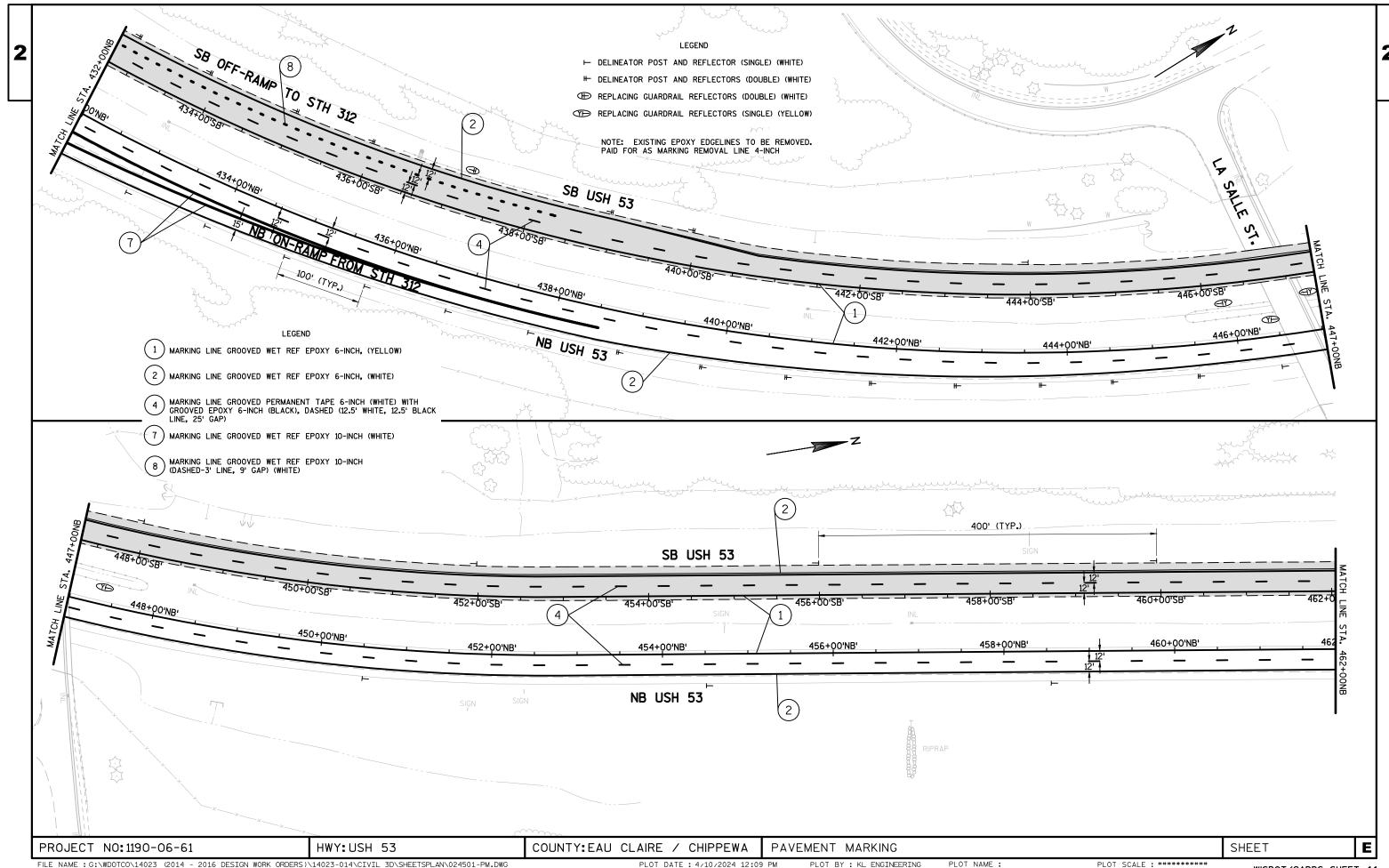


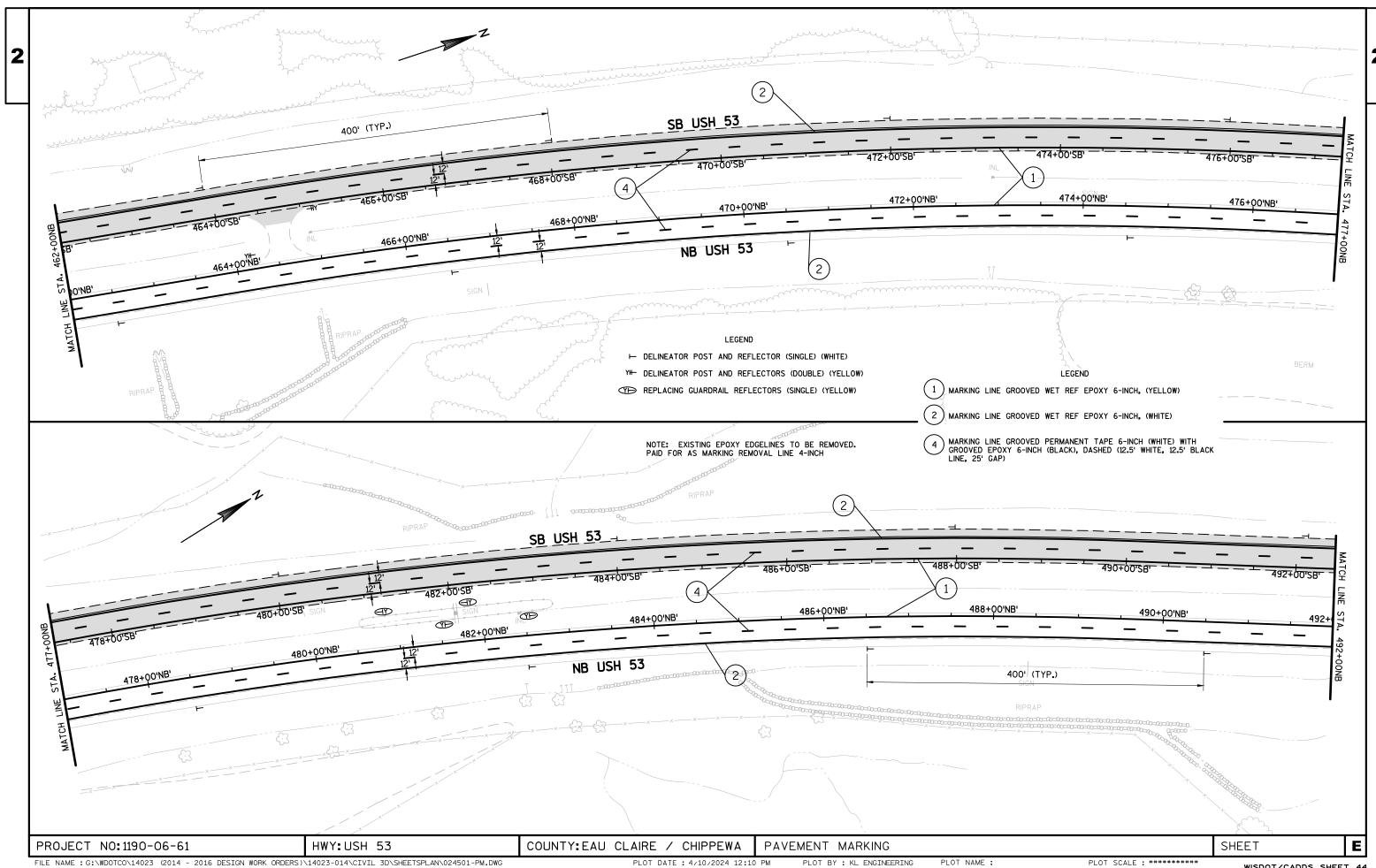


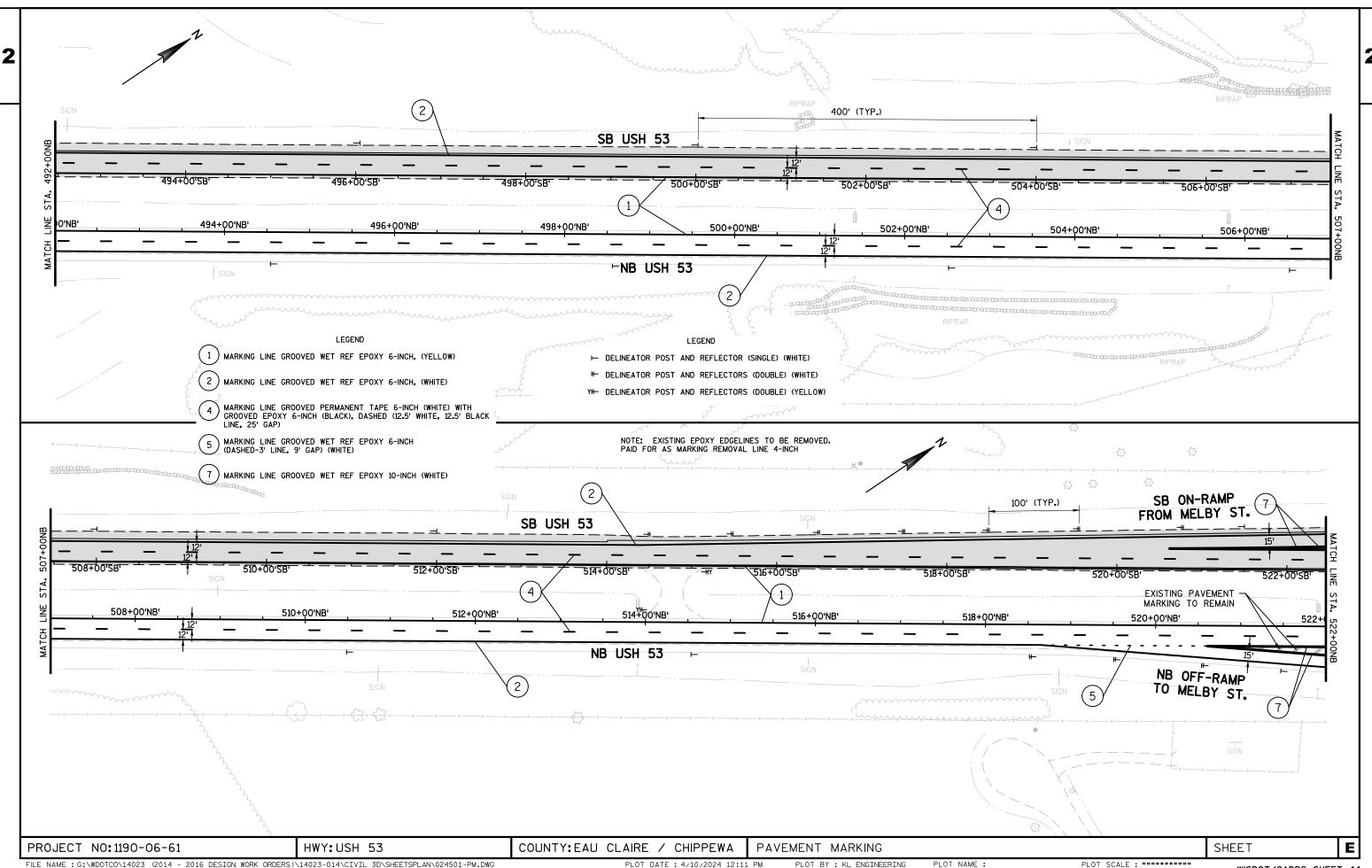


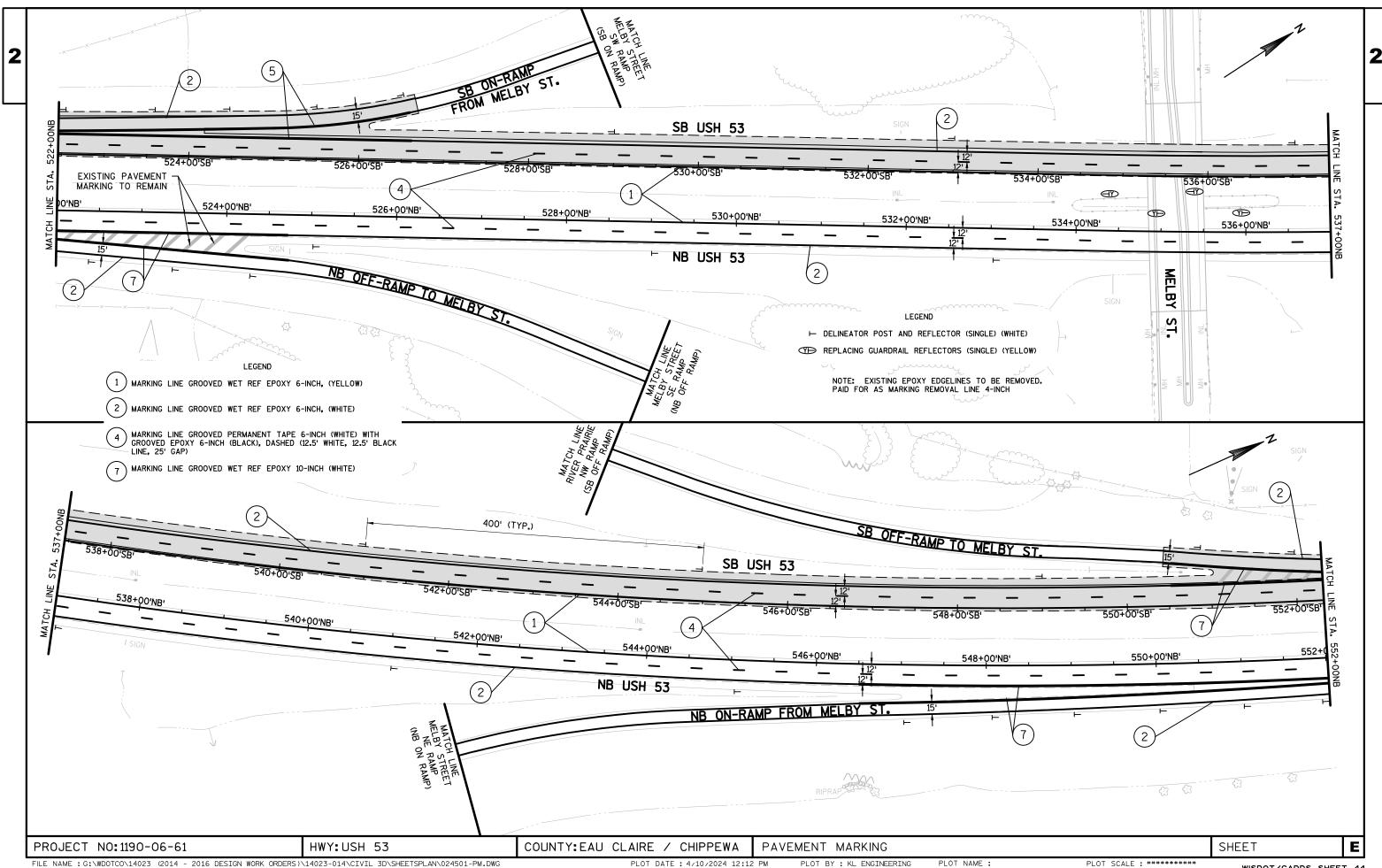


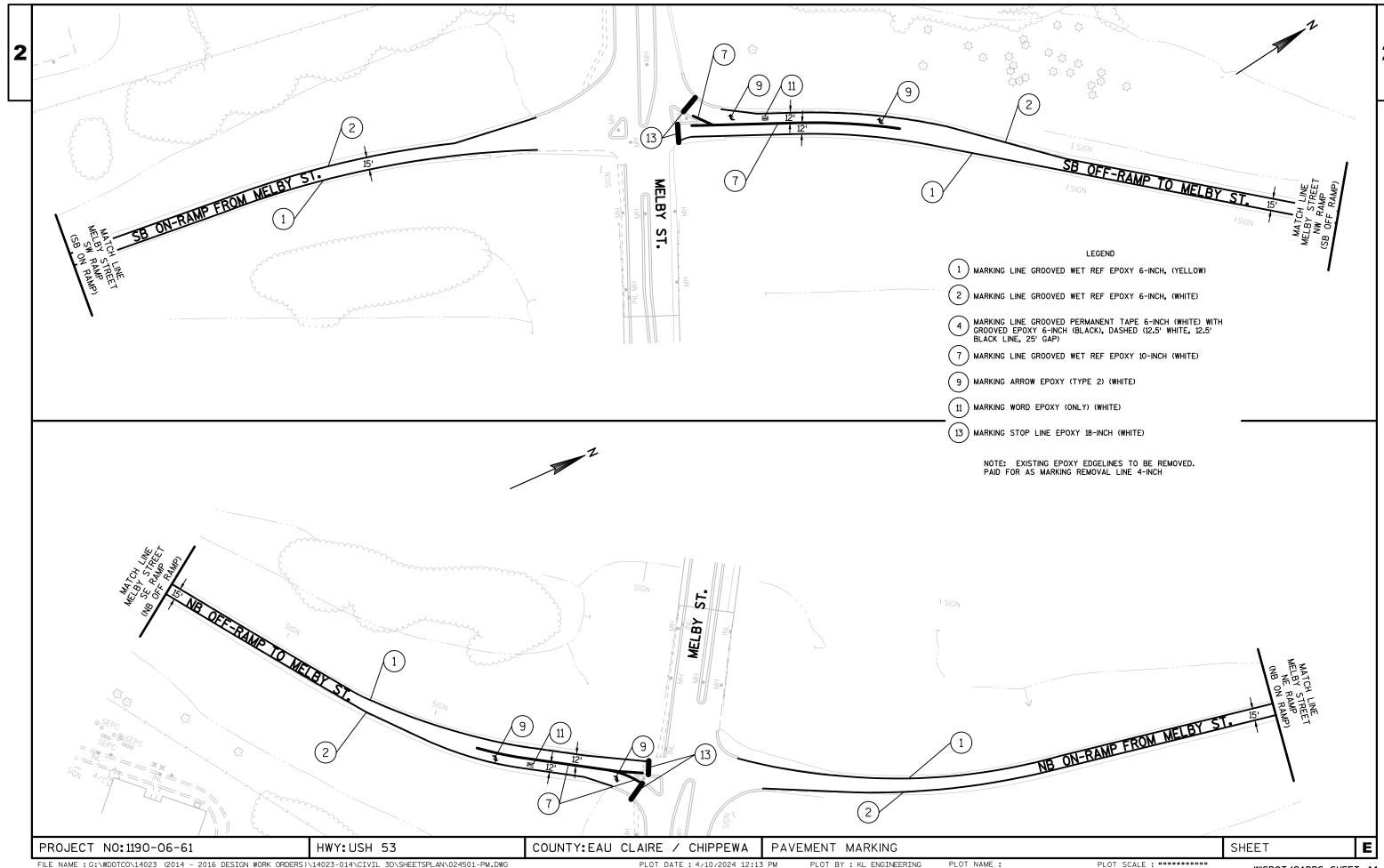


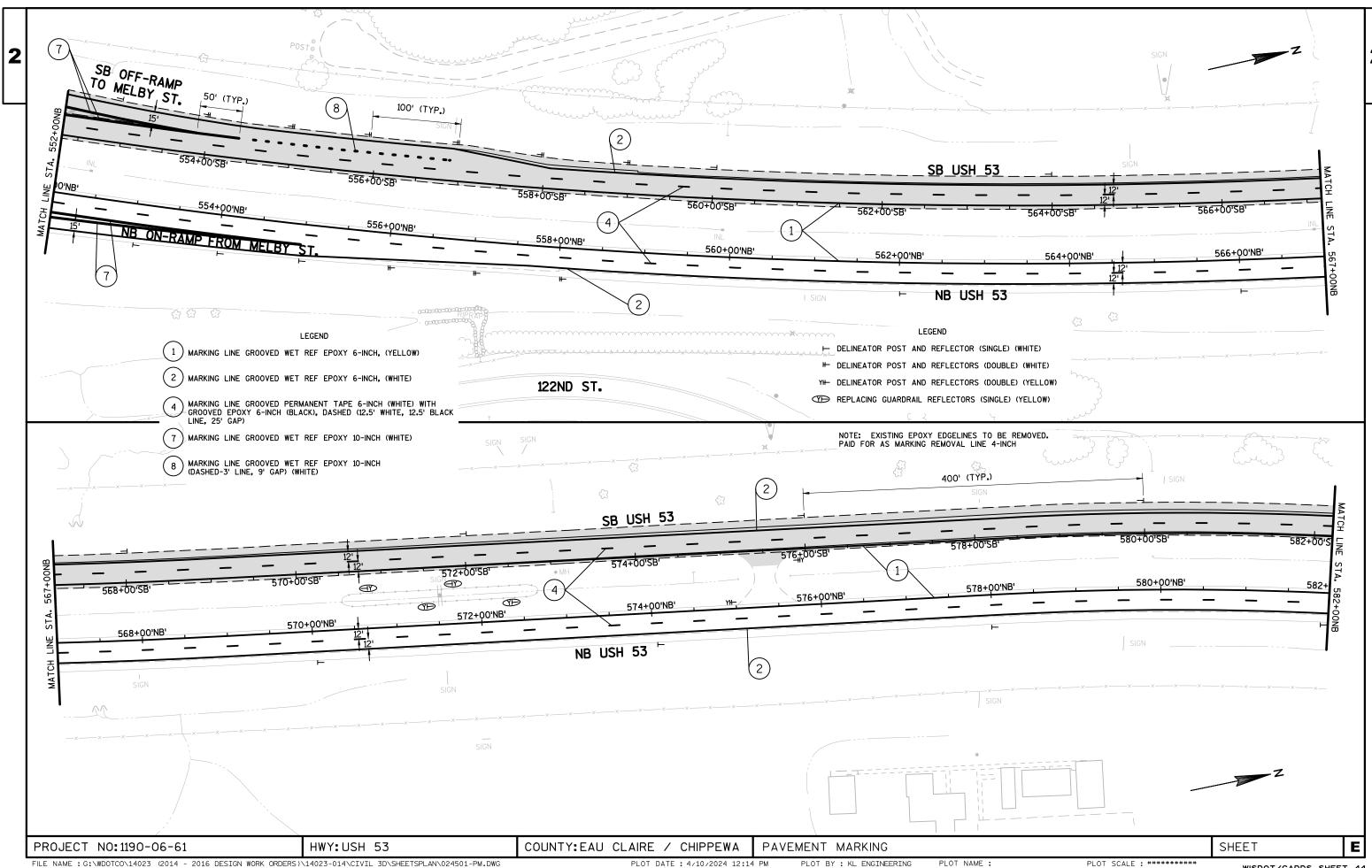


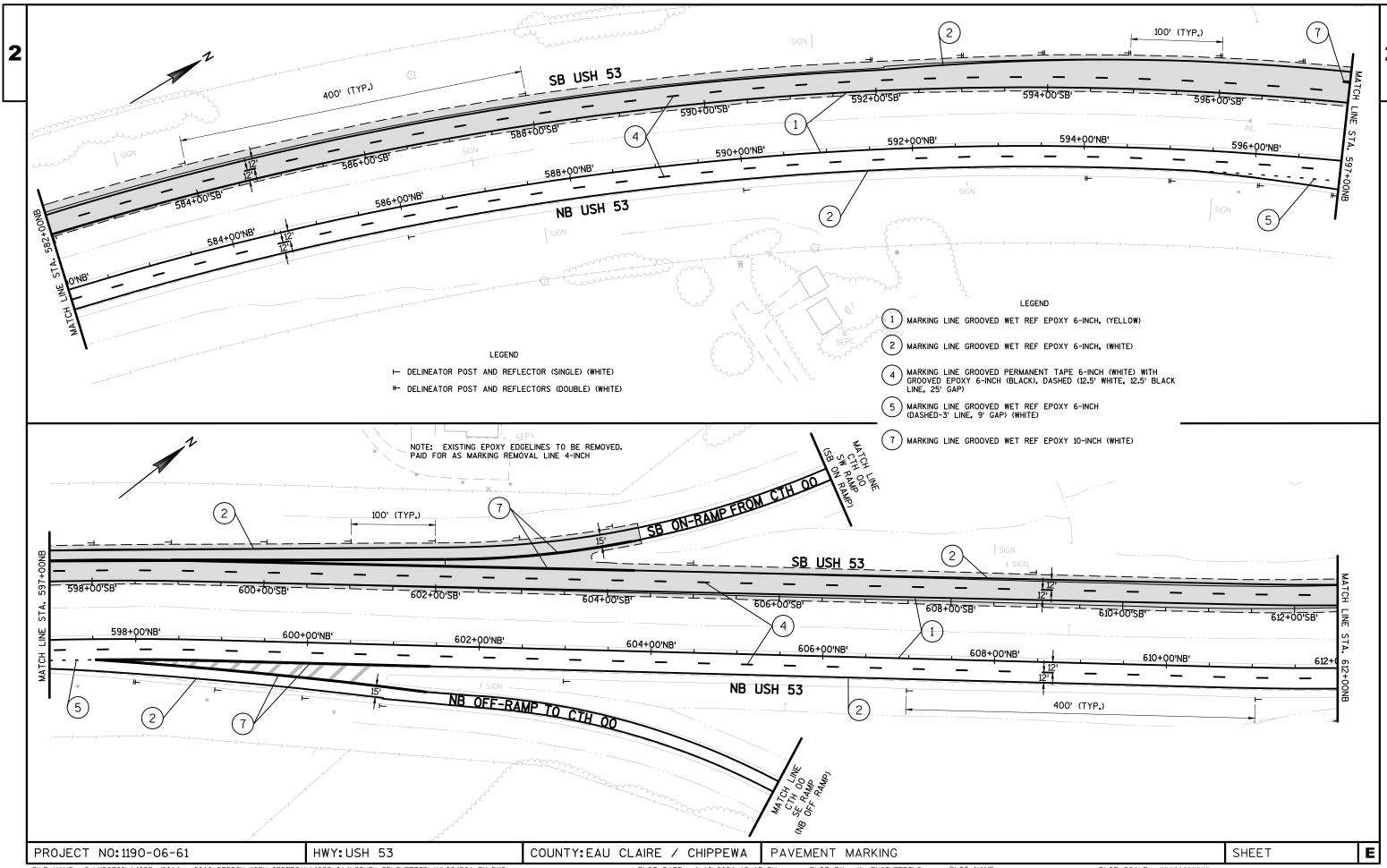


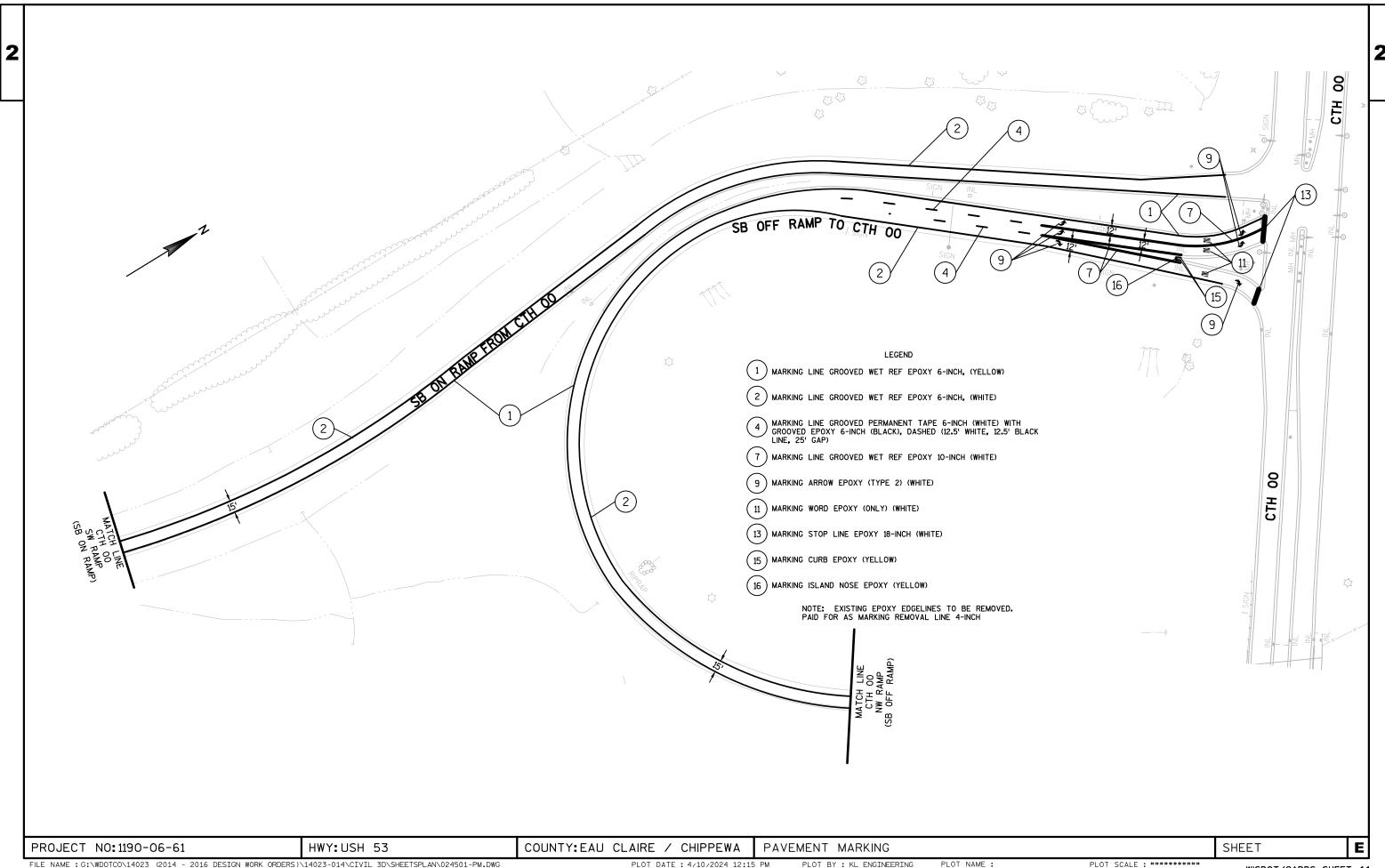


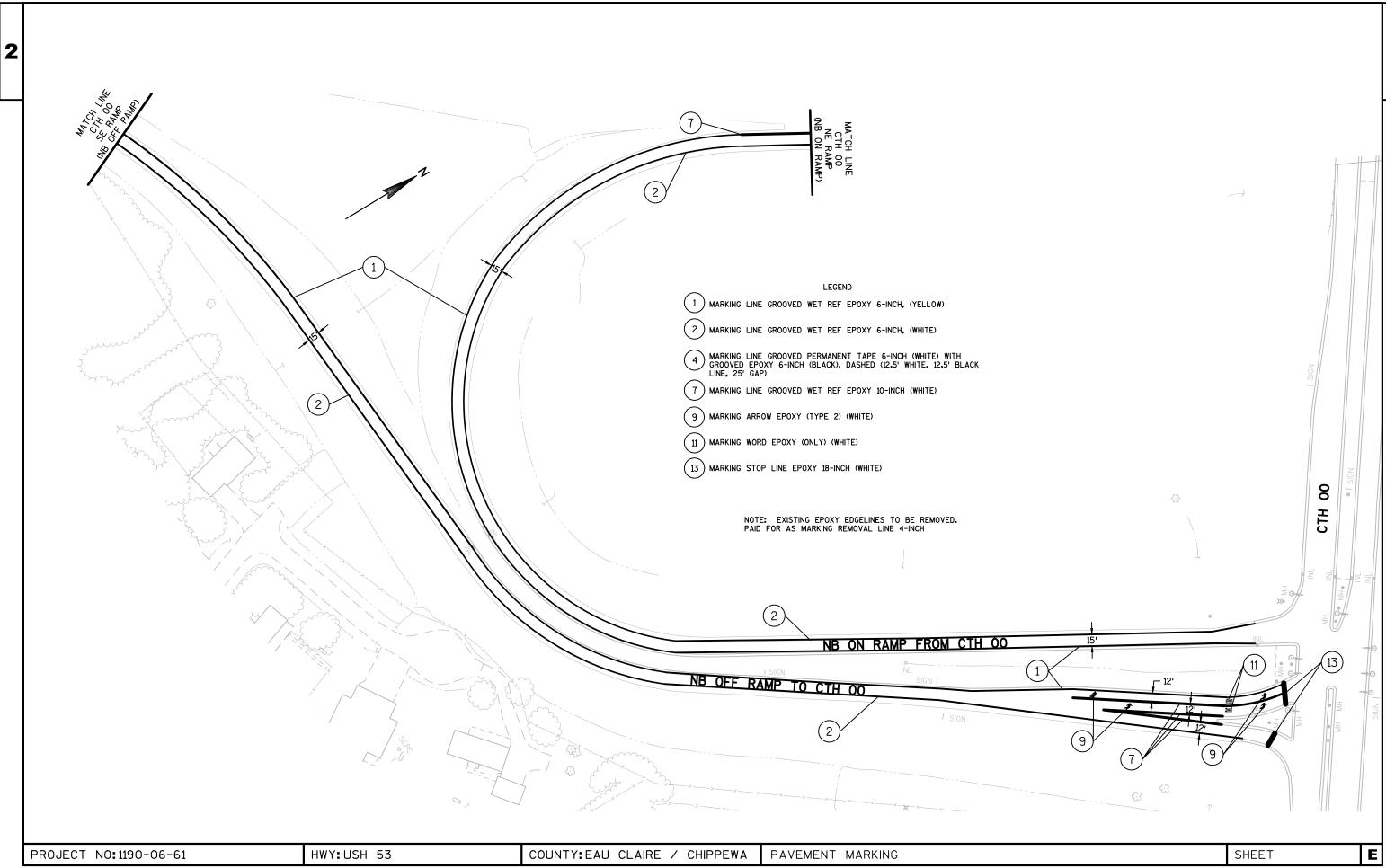


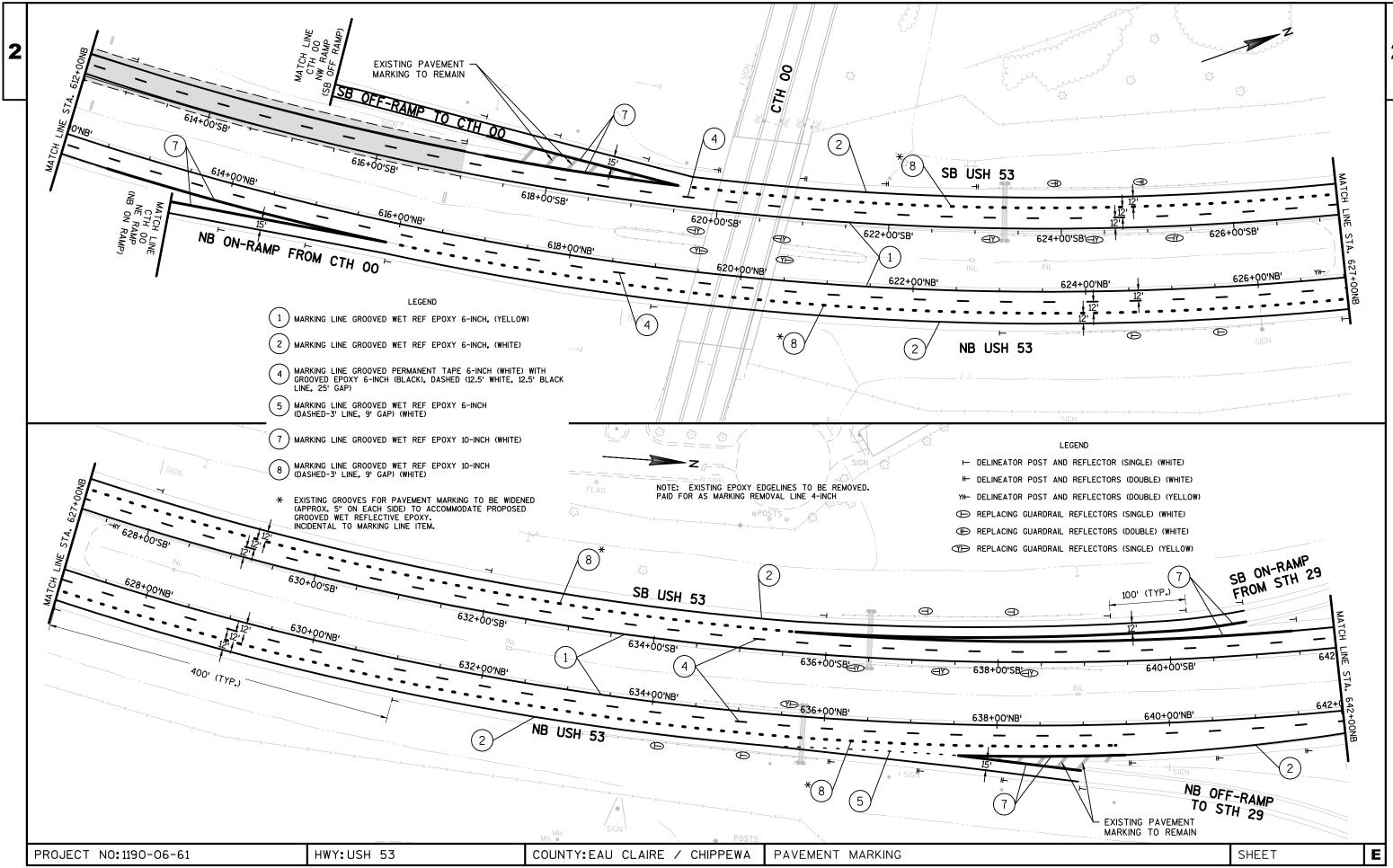


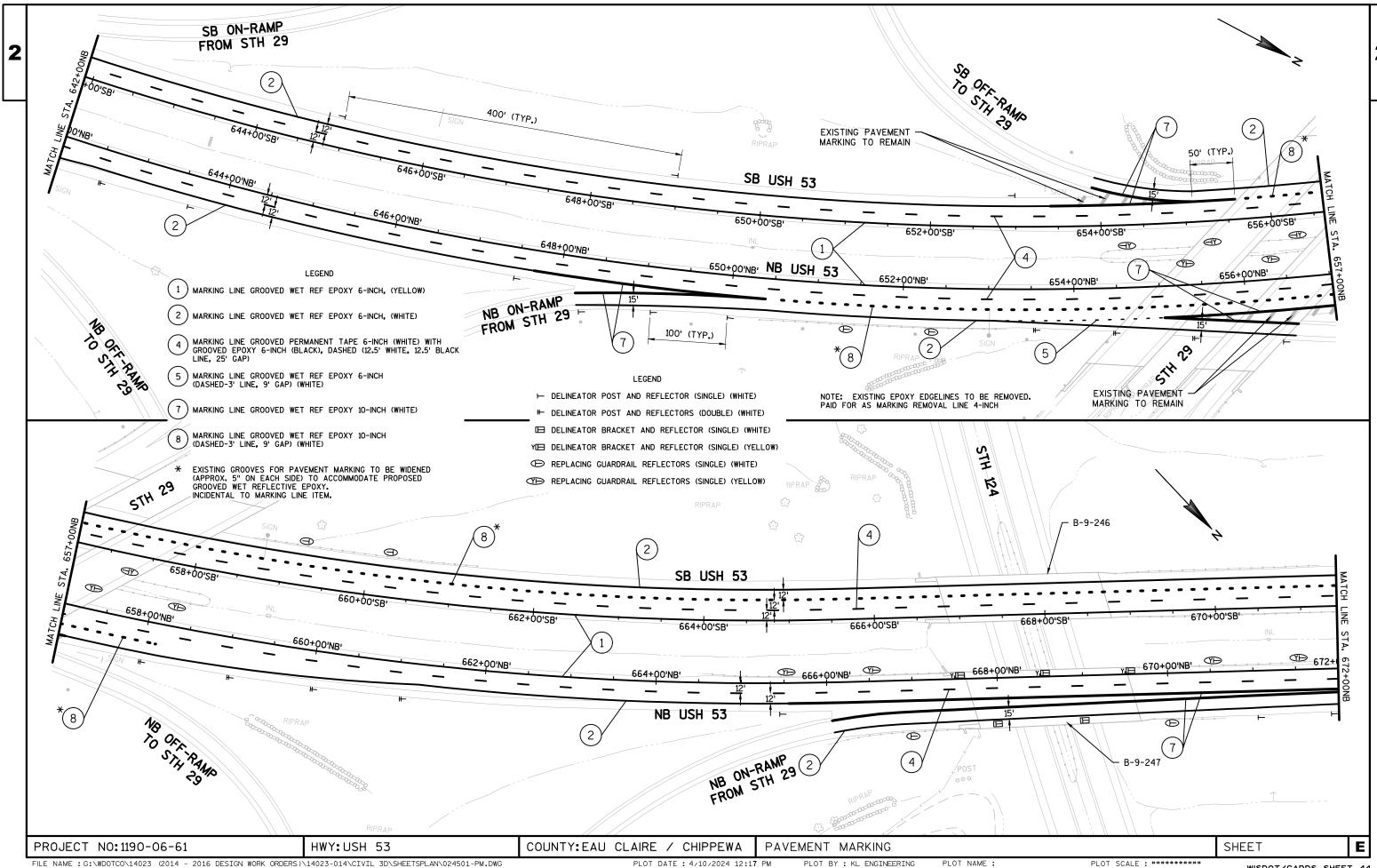


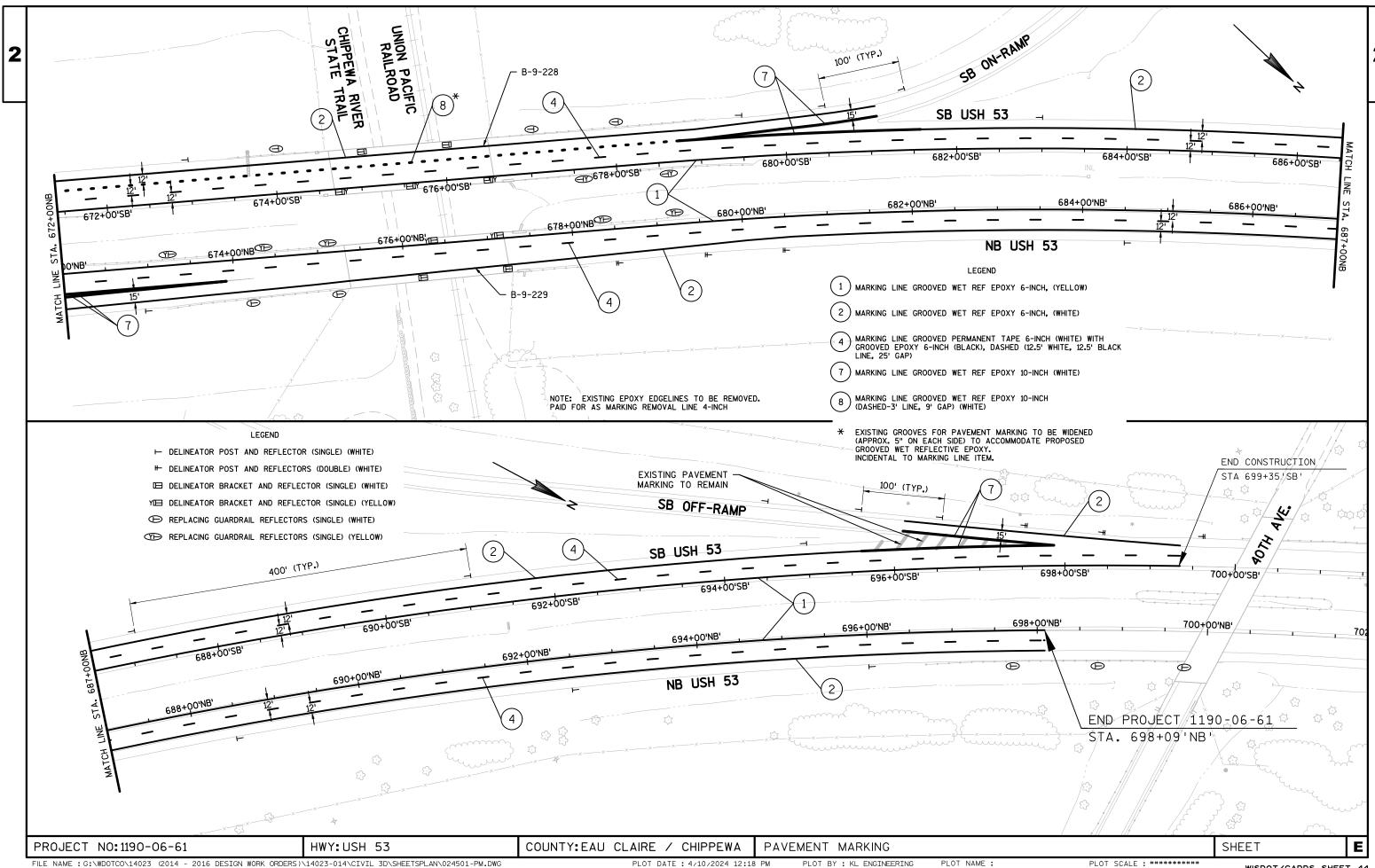


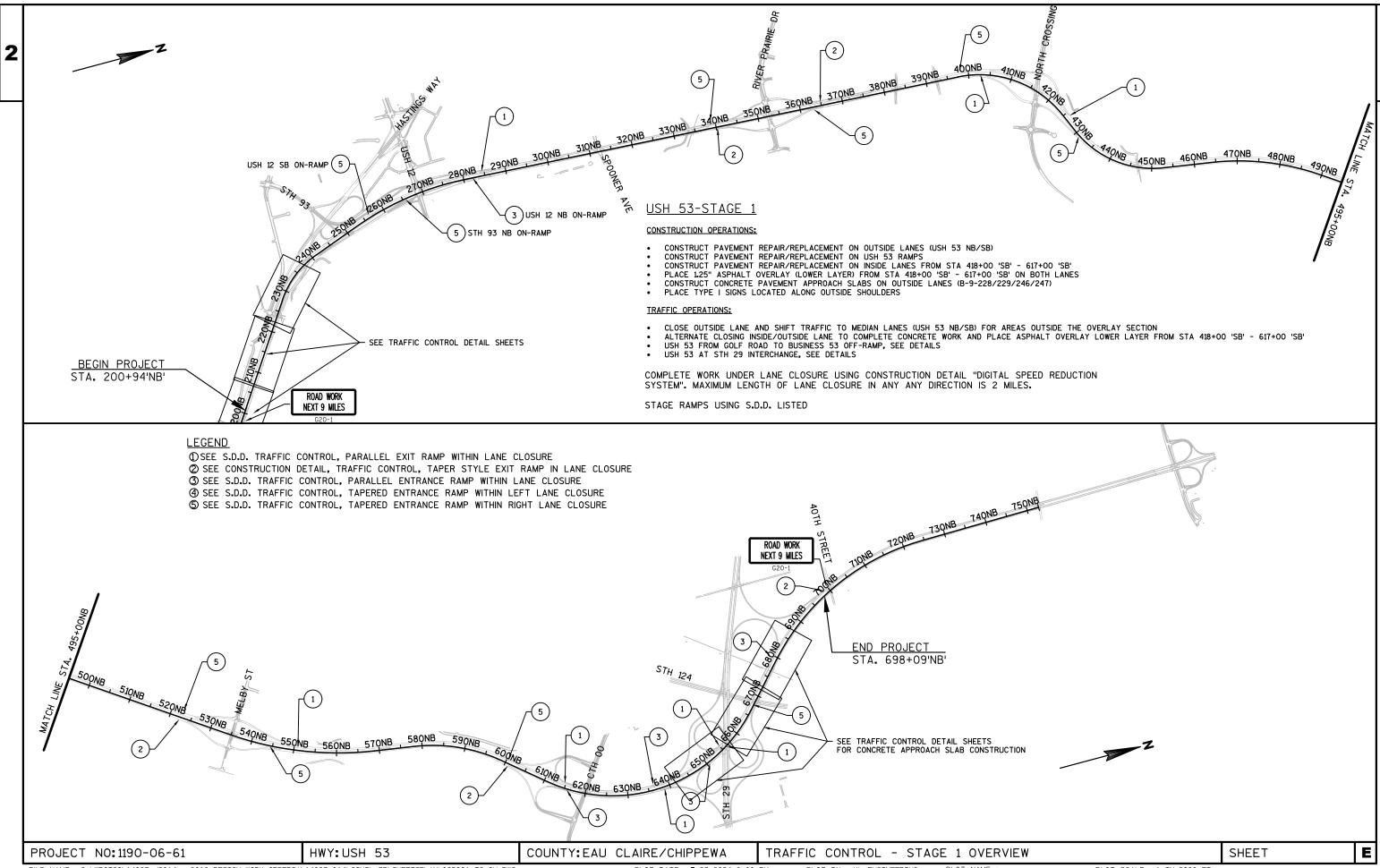










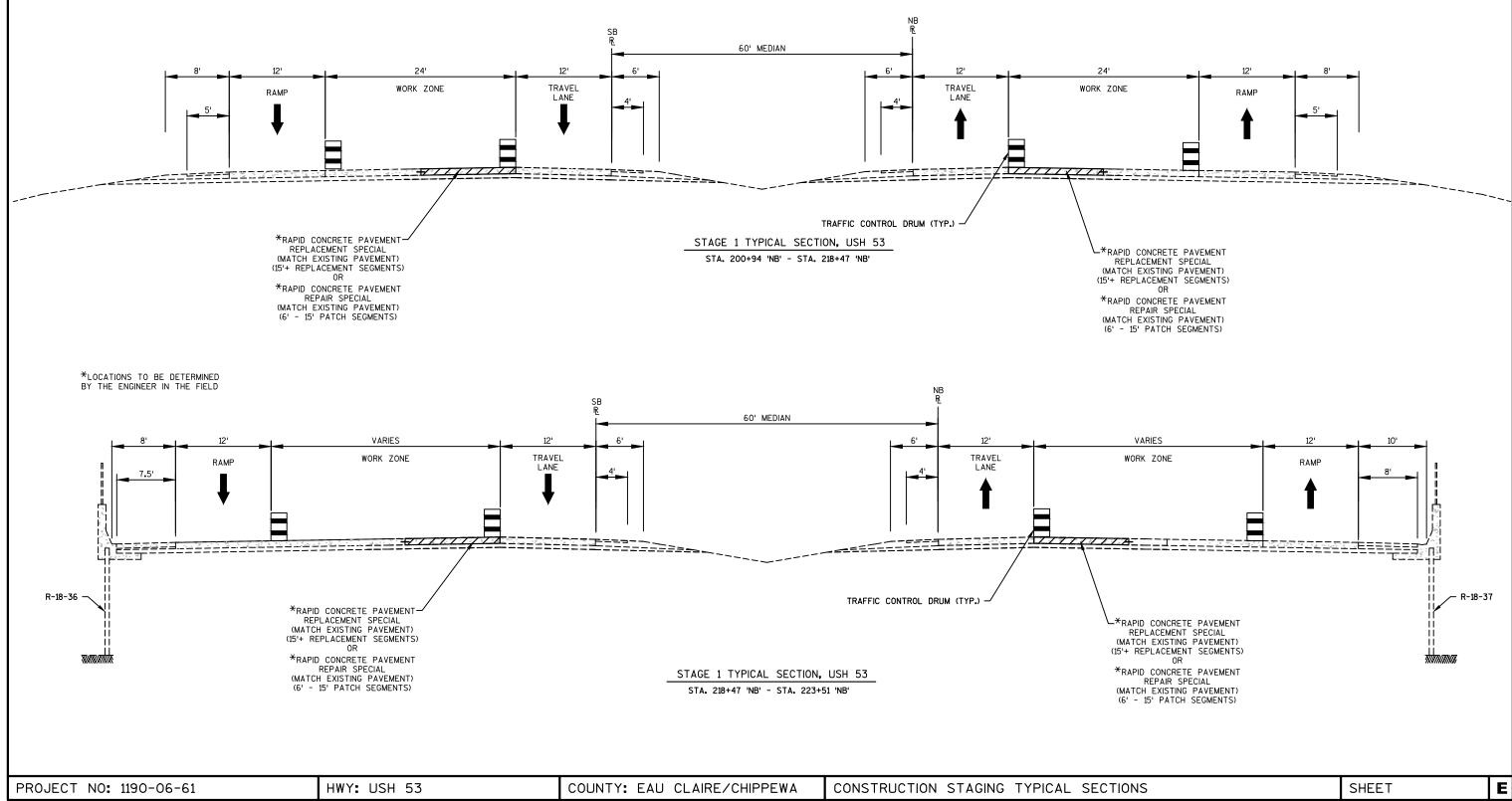


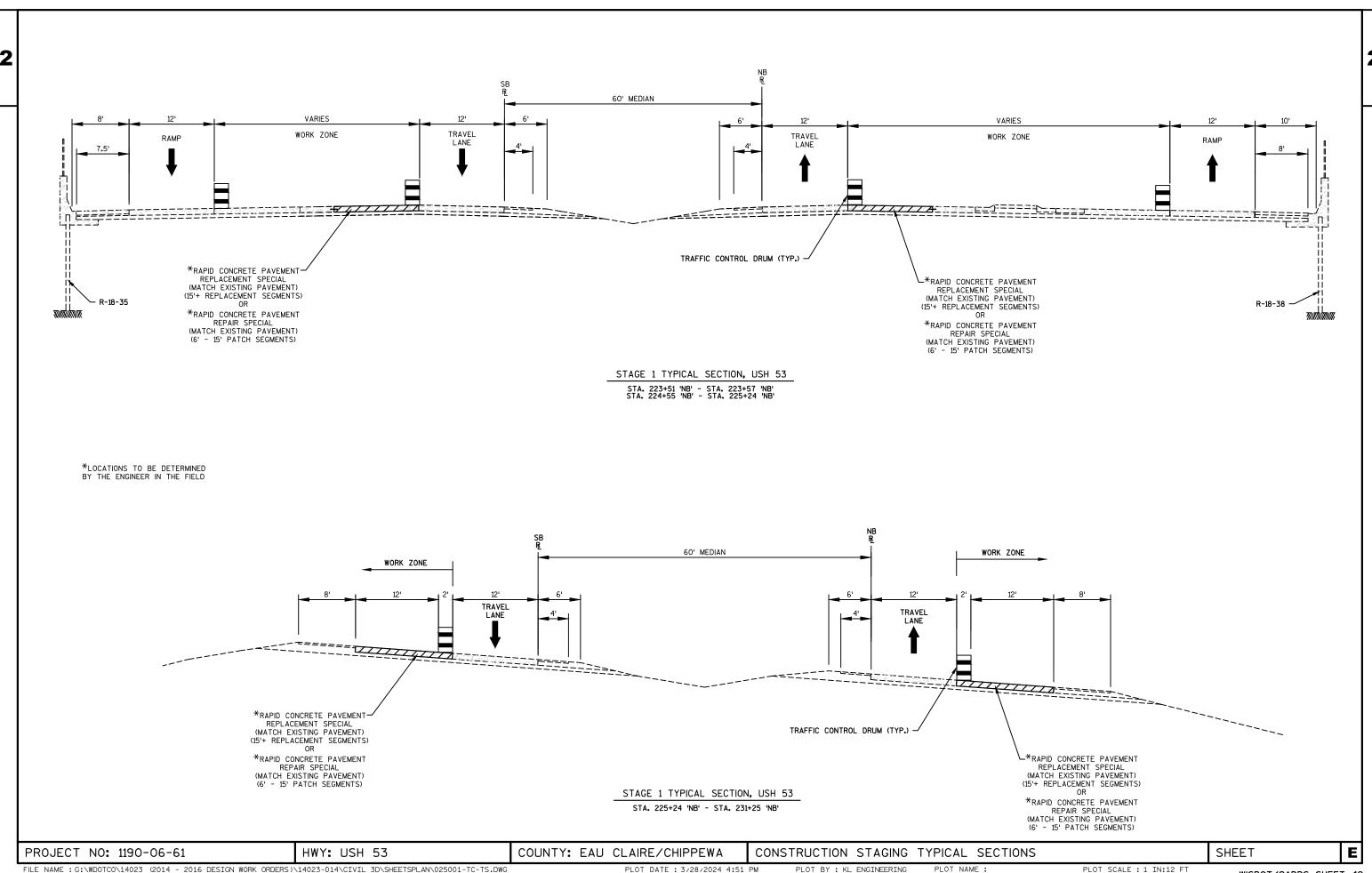
- 1. COVER OR REMOVE CONFLICTING TRAFFIC SIGNS AS DIRECTED BY THE ENGINEER.
- 2. DURING NIGHTTIME OPERATIONS ALL DRUMS IN TAPERS WILL HAVE A TYPE C WARNING LIGHT.
- 3. EQUIP TYPE III BARRICADES WITH TYPE A WARNING LIGHTS PER STANDARD DETAIL DRAWINGS.
- 4. TRAFFIC CONTROL PLANS FOR USH 53 PROVIDE SUGGESTED STAGING WITH TRAFFIC CONTROL DEVICE LOCATIONS. STAGING MAY BE ALTERED WITH APPROVAL OF THE ENGINEER.

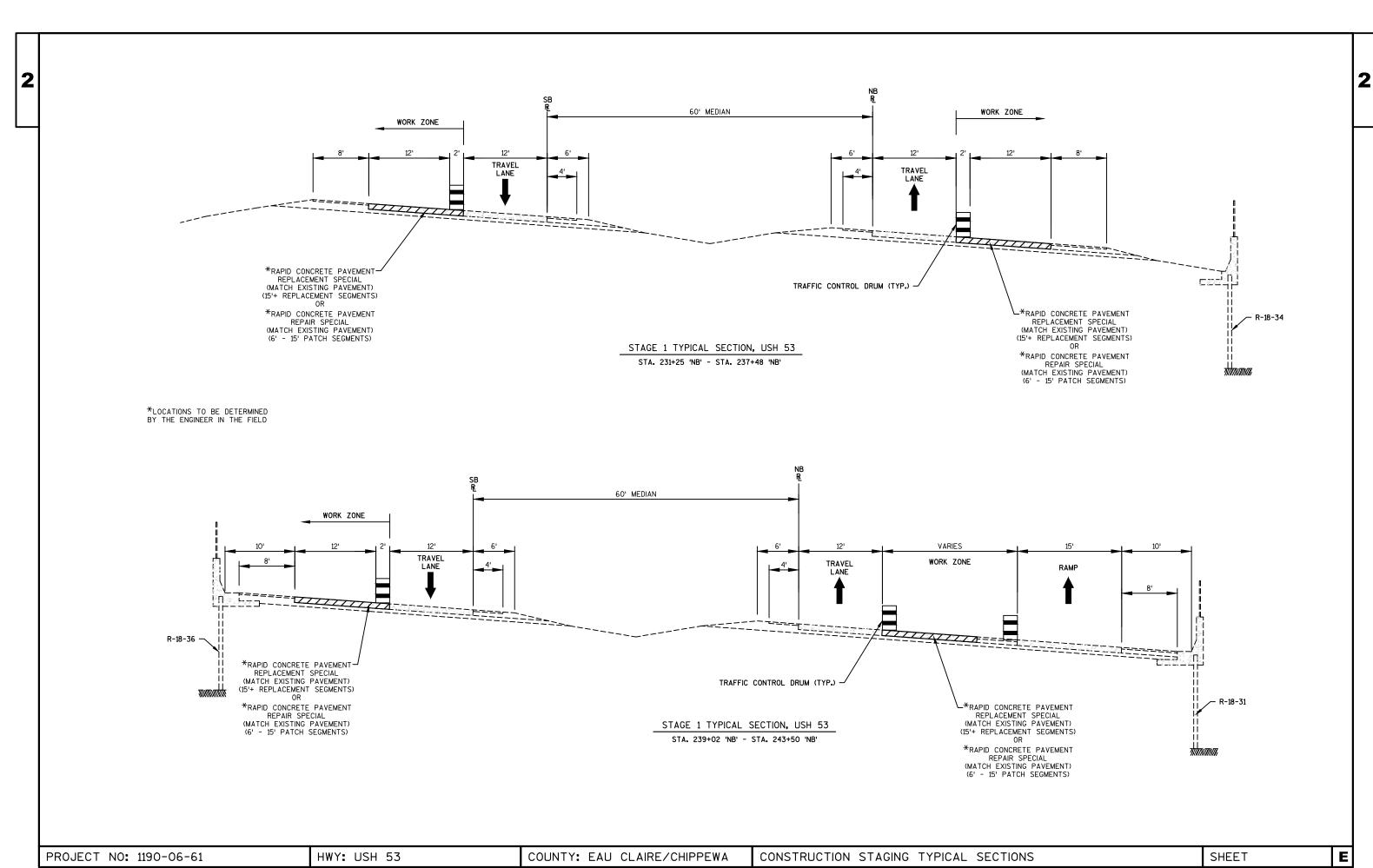
5. FOR LANE CLOSURES AND ADVANCE WARNING SEE SDD 'TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION' 6. REFER TO DETAIL SHEET FOR AREA BETWEEN GOLF ROAD - USH 12

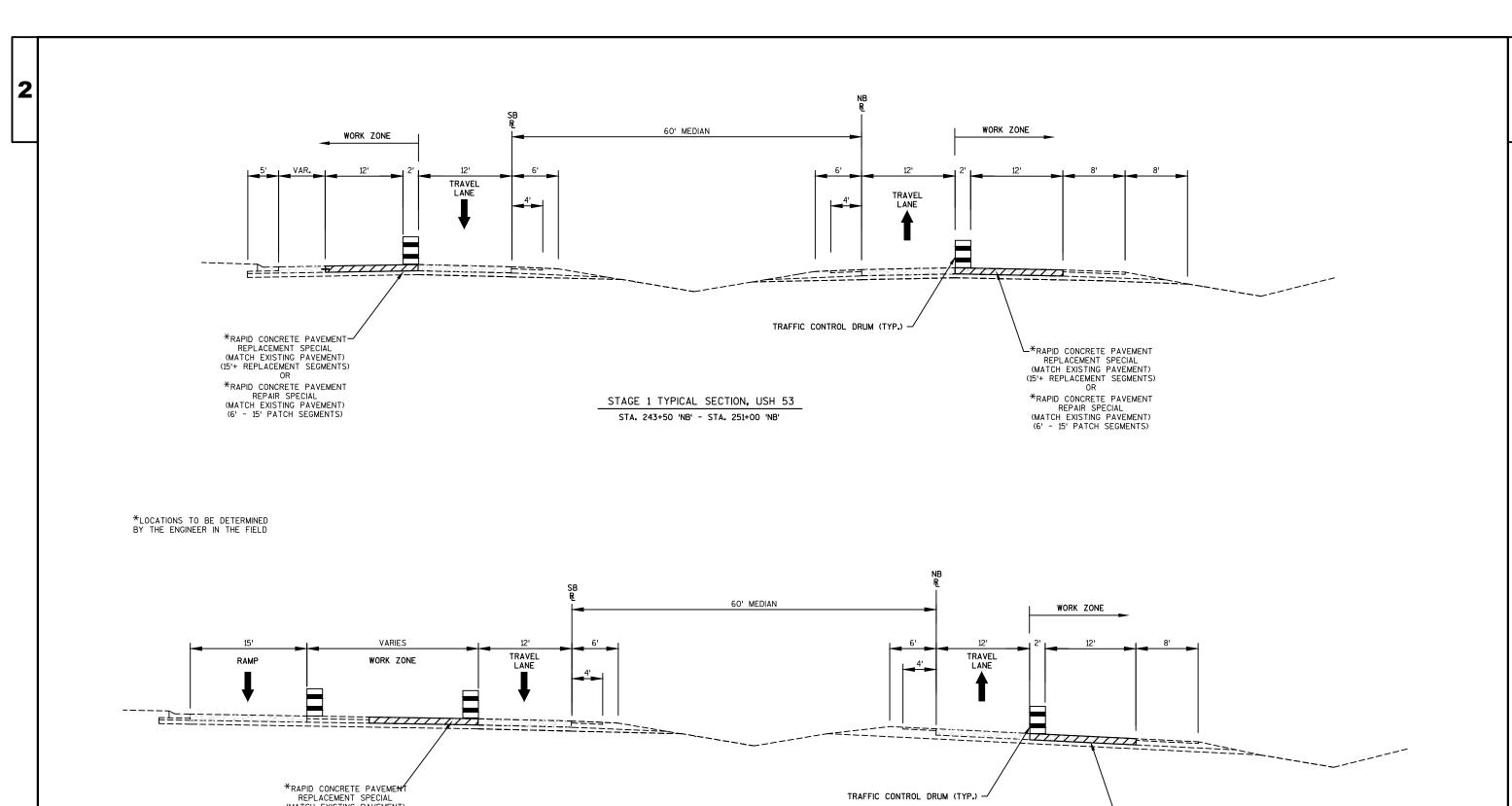
REDUCE THE SPEED LIMIT ON USH 53 TO 55 MPH WHEN WORK IS BEING PERFORMED ON USH 53. PLACE 55 MPH SPEED LIMIT SIGNS AND COVER EXISTING 65 MPH SIGNS.

SPEED REDUCTION









*RAPID CONCRETE PAVEMENT
REPLACEMENT SPECIAL
(MATCH EXISTING PAVEMENT)
(I5'+ REPLACEMENT SEGMENTS)
OR

*RAPID CONCRETE PAVEMENT
OR

*RAPID CONCRETE PAVEMENT
(MATCH EXISTING PAVEMENT)
(I5'- REPLACEMENT)
(I5'- I5' PATCH SEGMENTS)

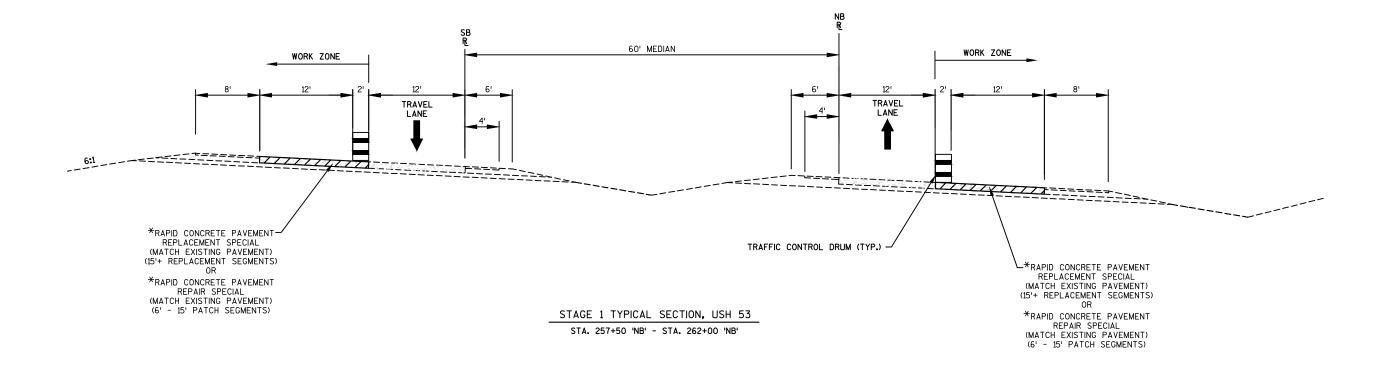
COUNTY: EAU CLAIRE/CHIPPEWA

HWY: USH 53

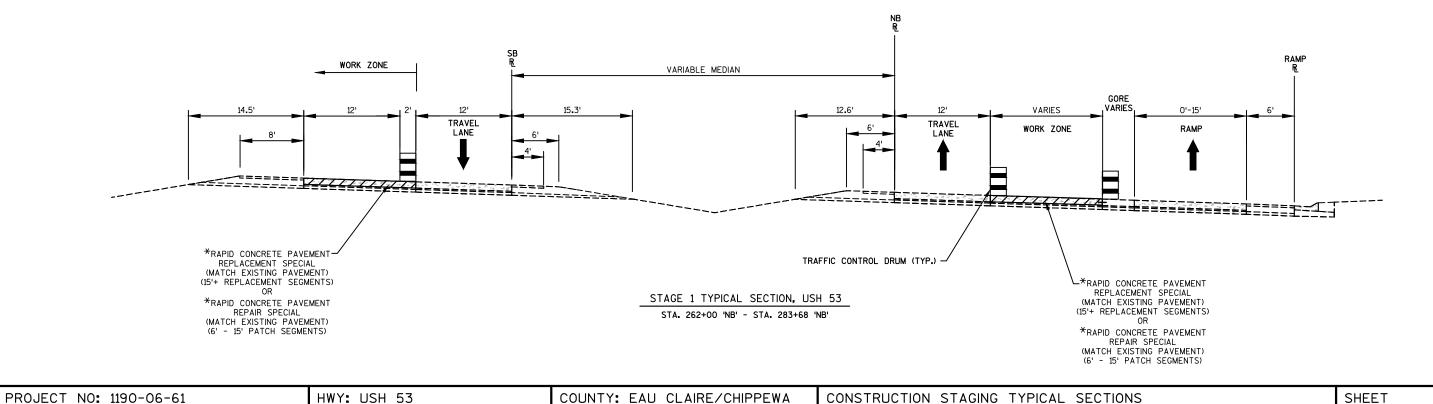
PROJECT NO: 1190-06-61

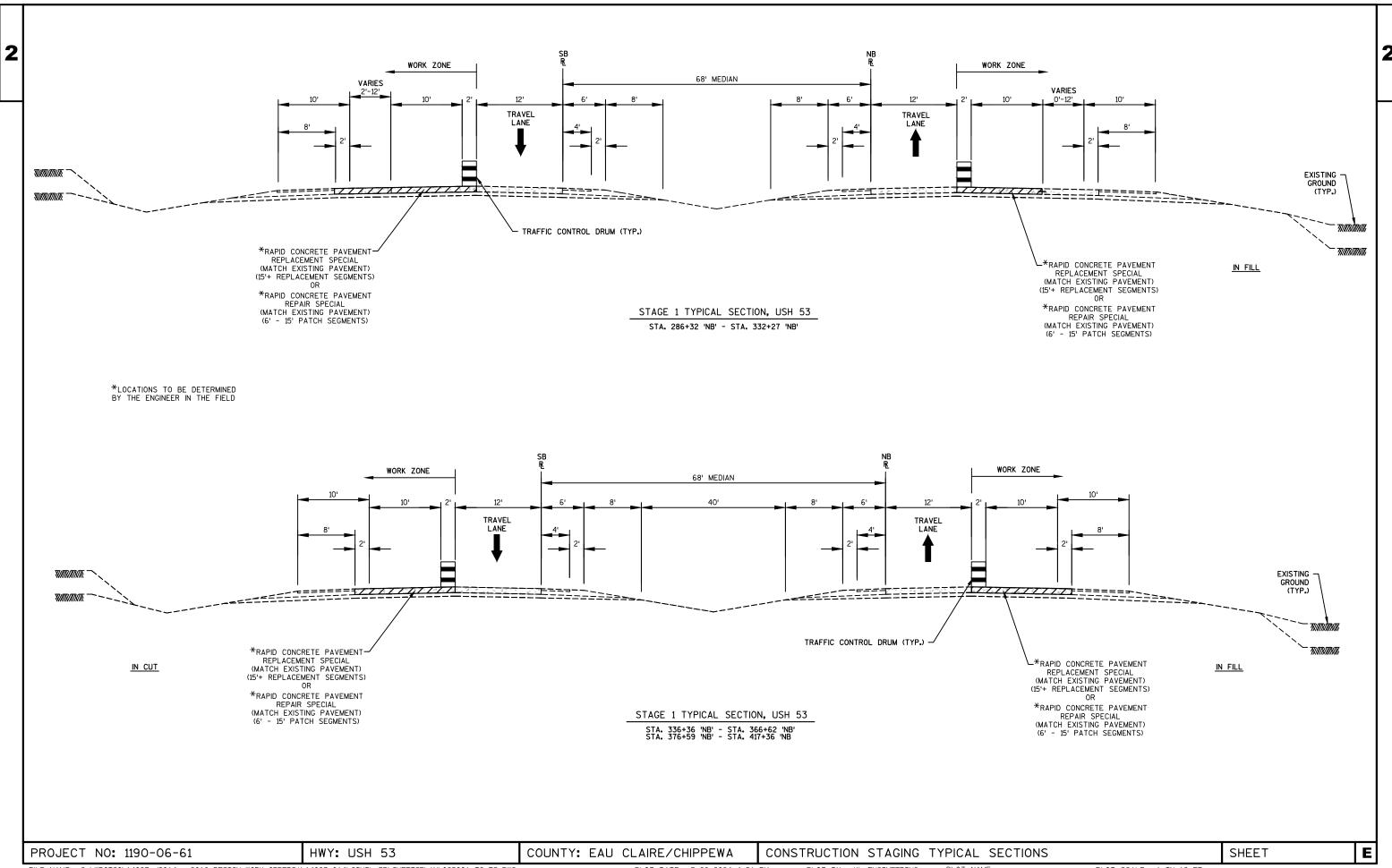
CONSTRUCTION STAGING TYPICAL SECTIONS

SHEET



*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD





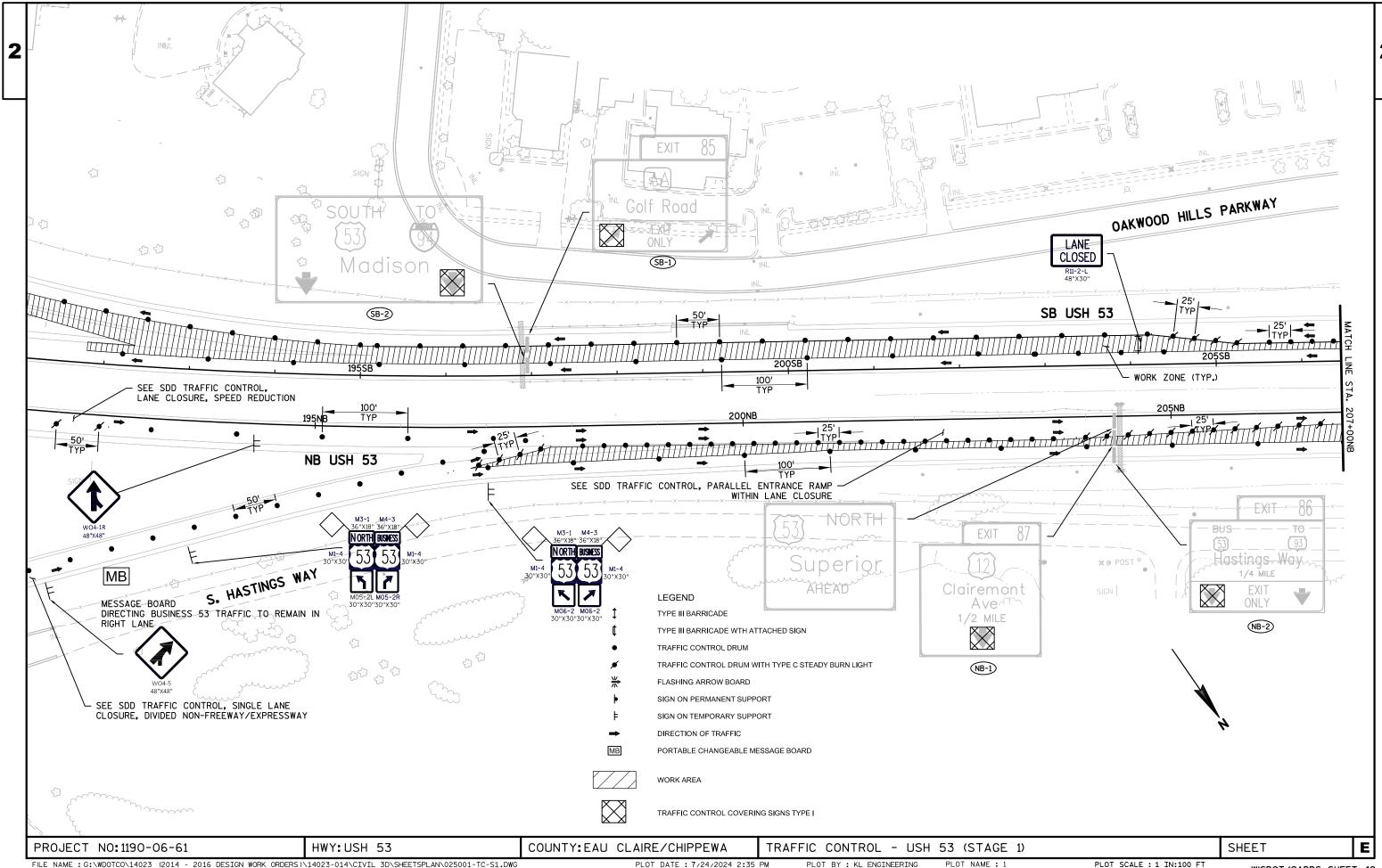
HWY: USH 53

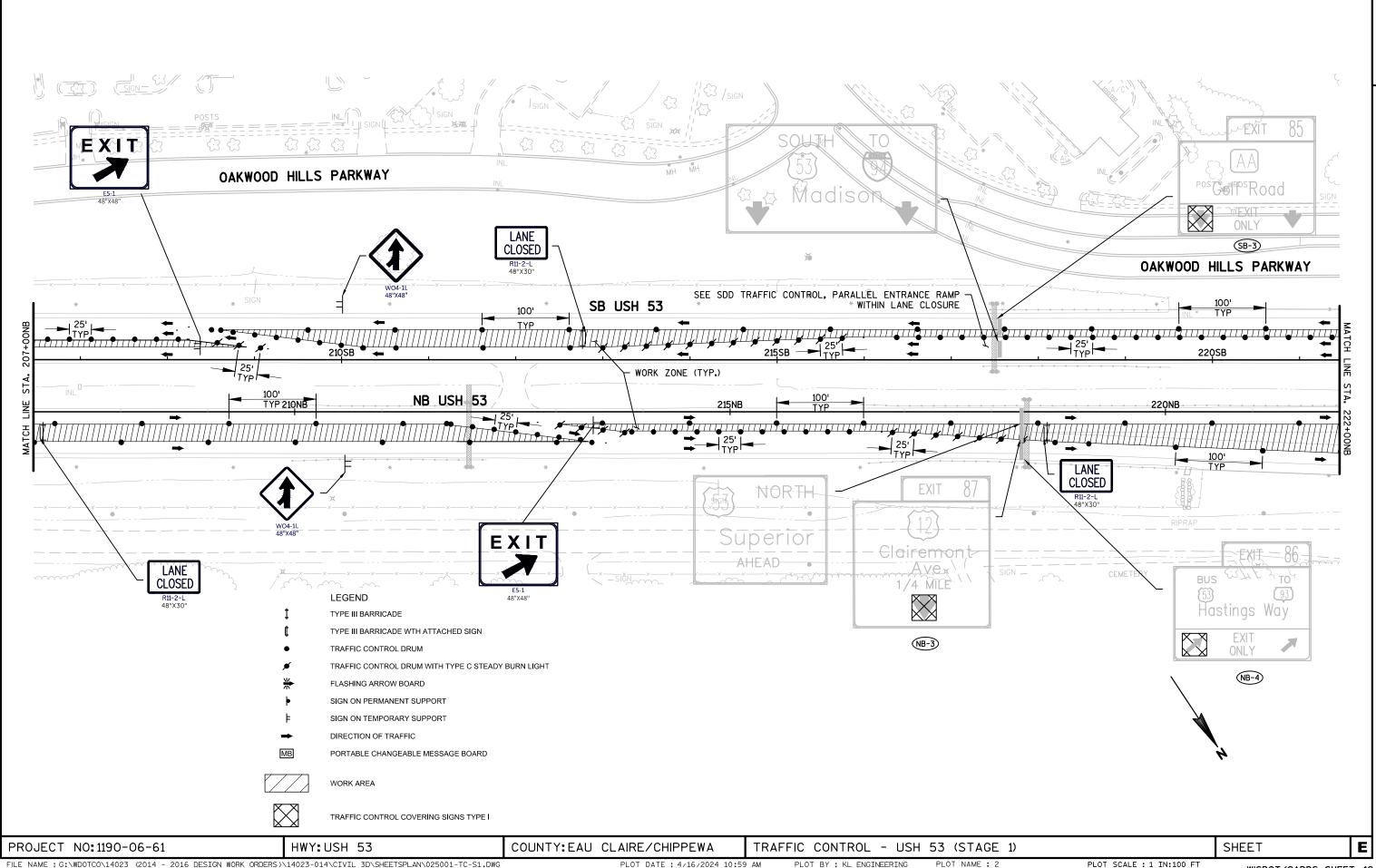
PROJECT NO: 1190-06-61

COUNTY: EAU CLAIRE/CHIPPEWA

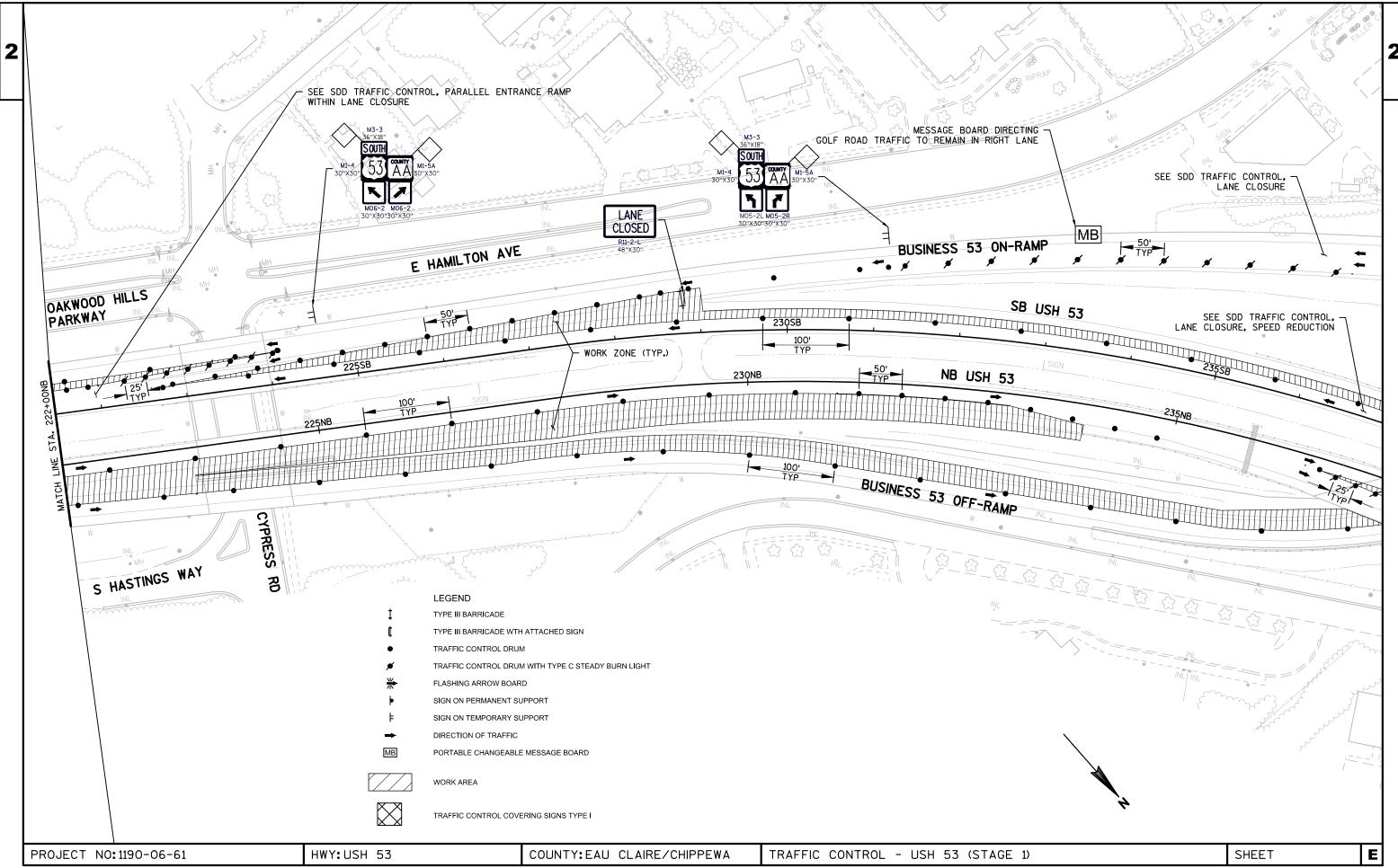
CONSTRUCTION STAGING TYPICAL SECTIONS

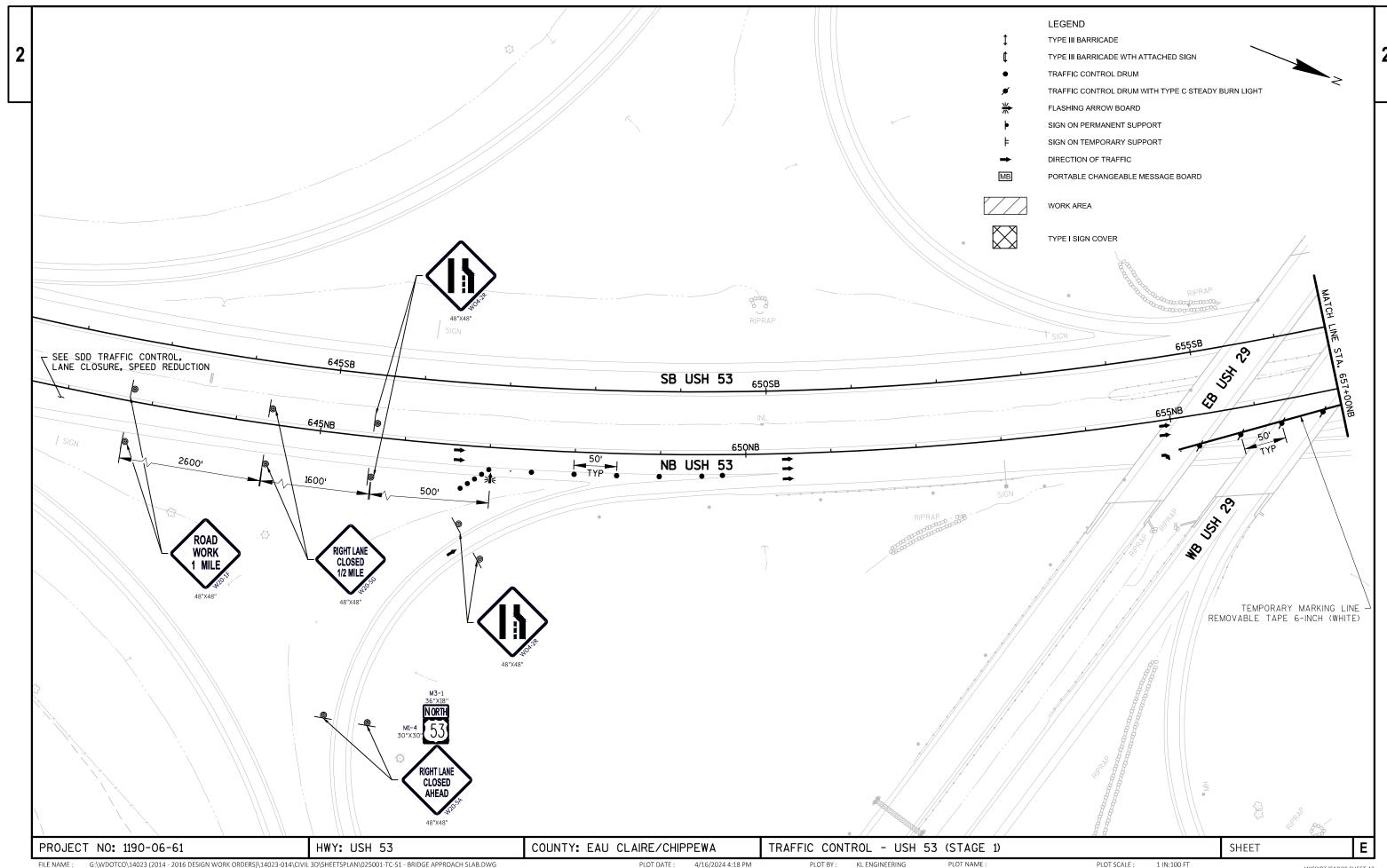
SHEET

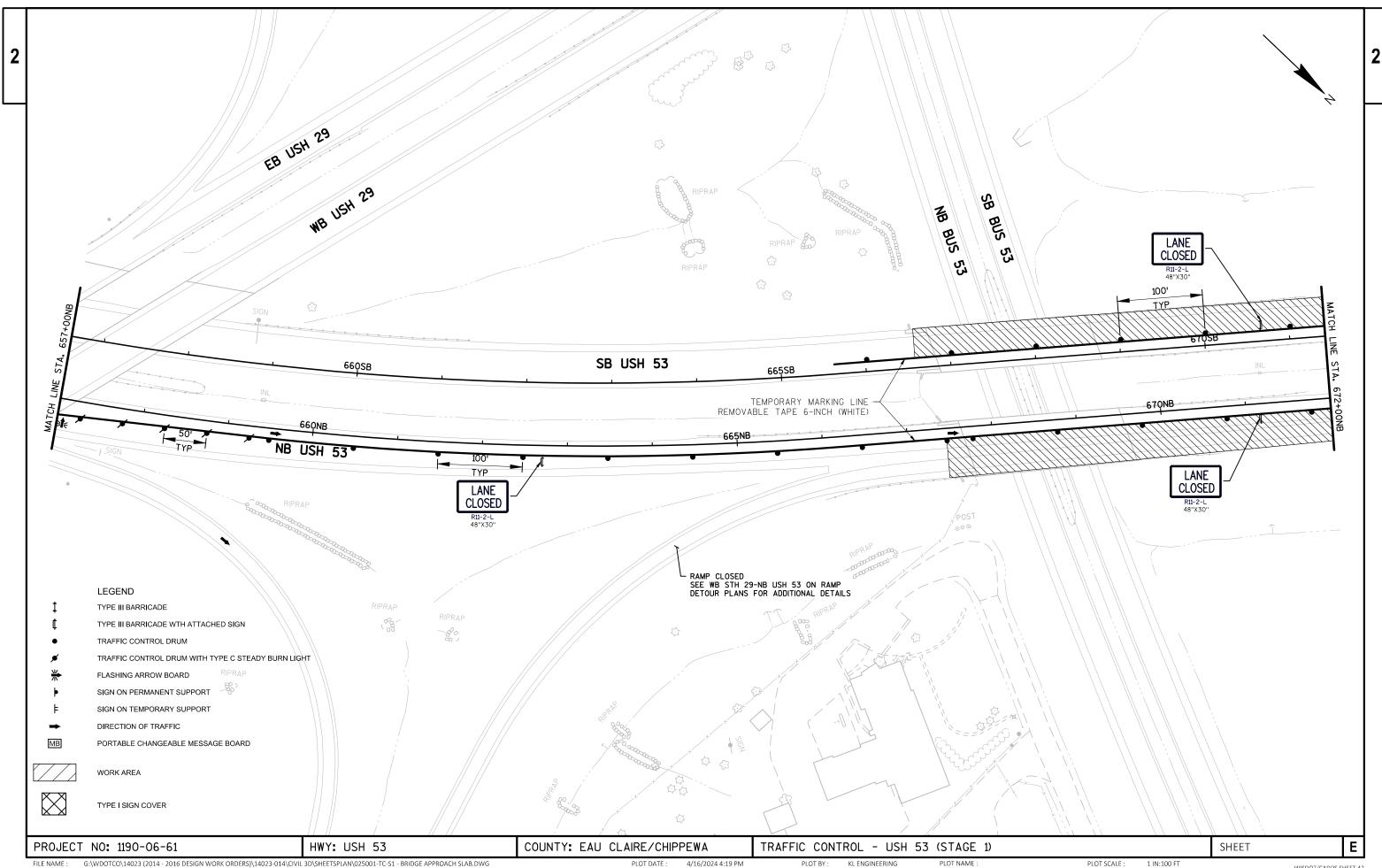


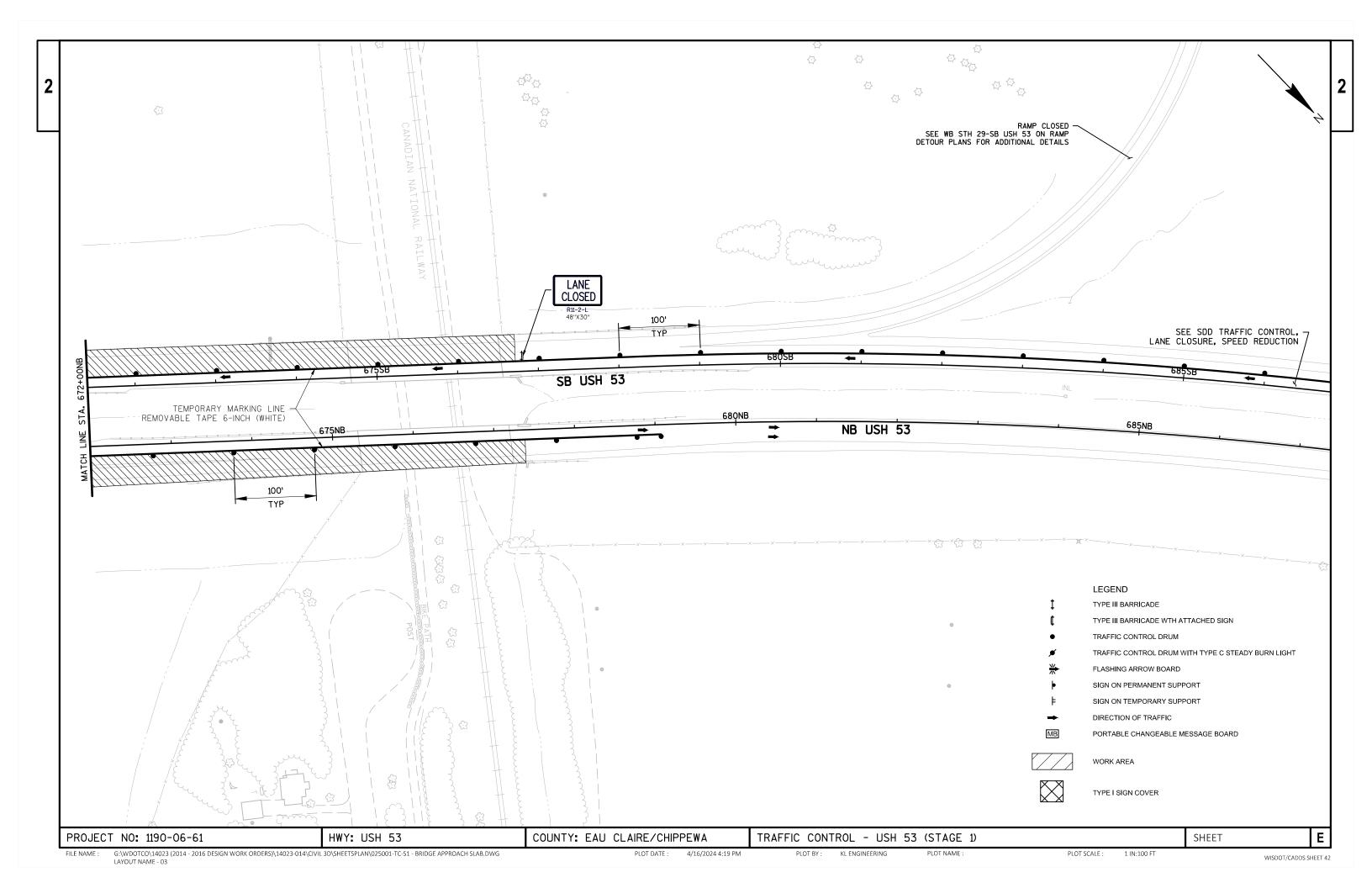


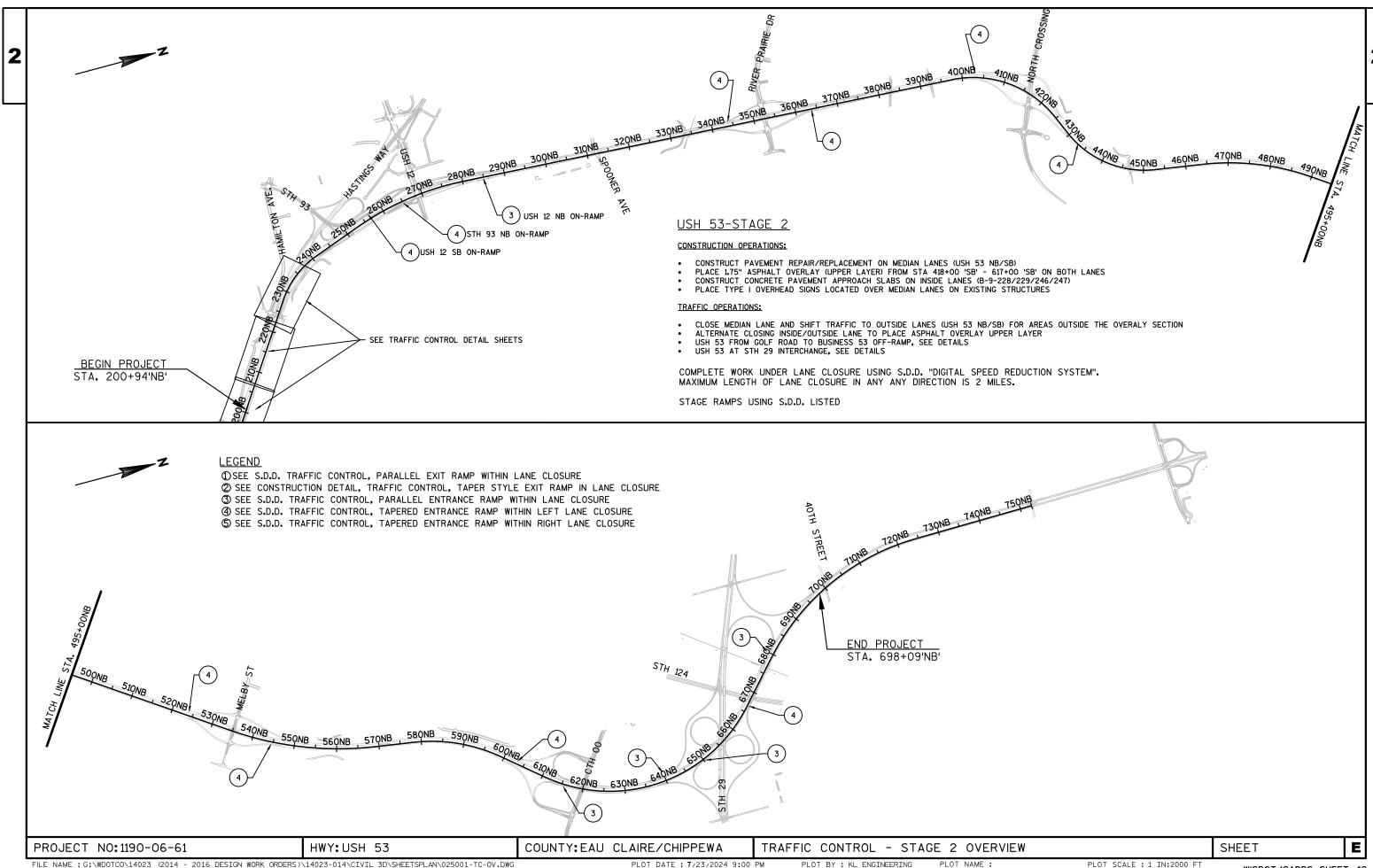
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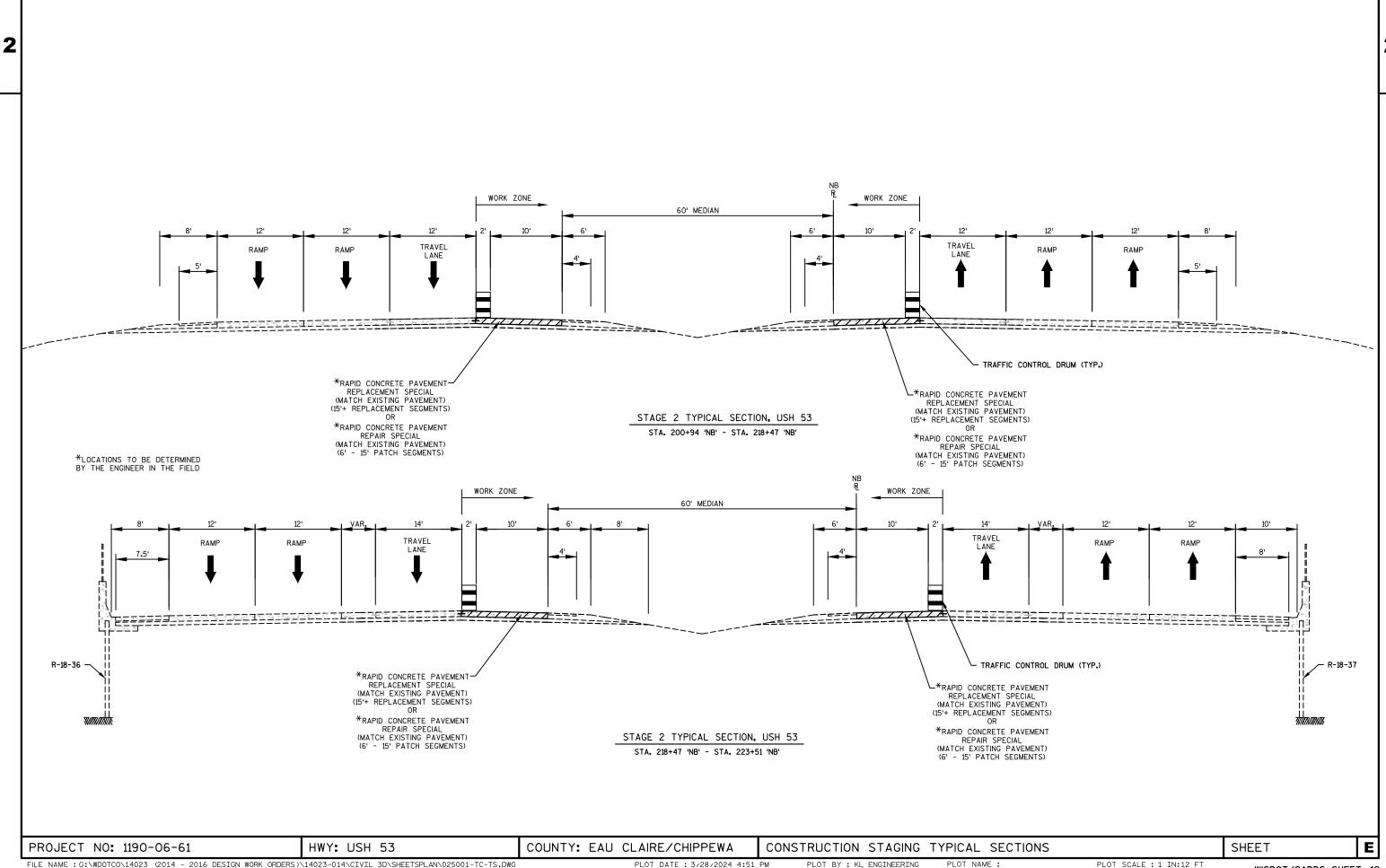


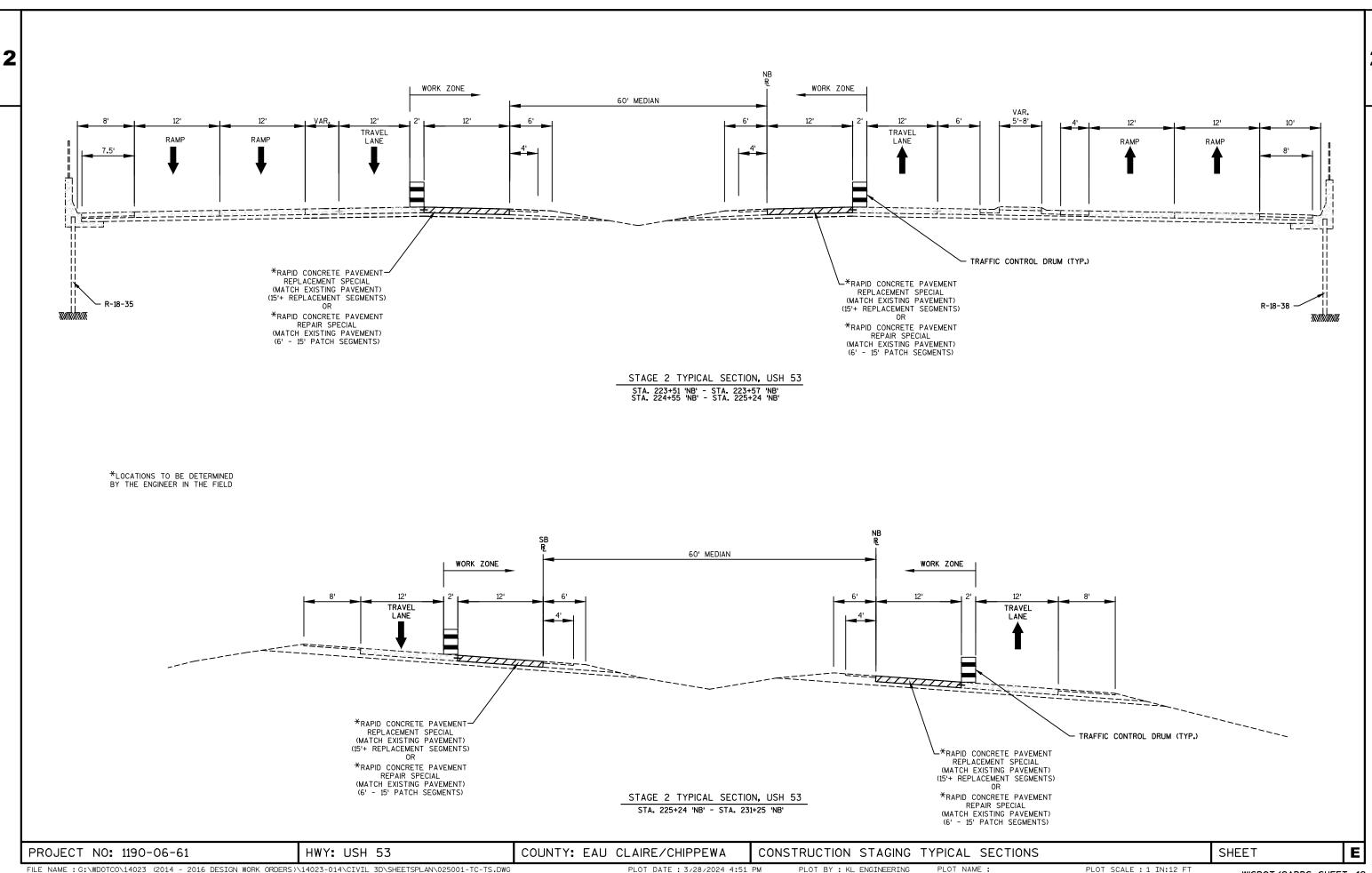


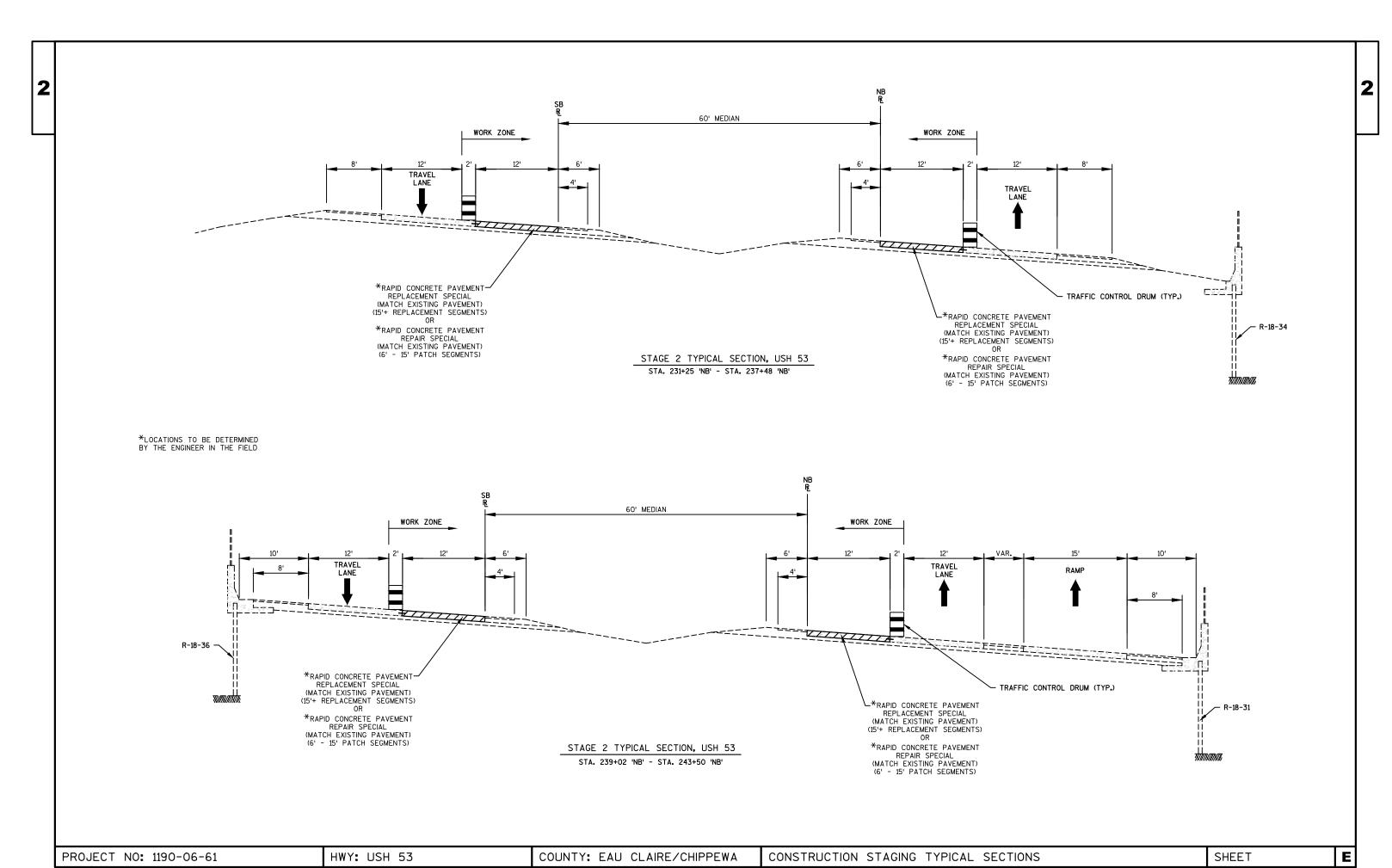




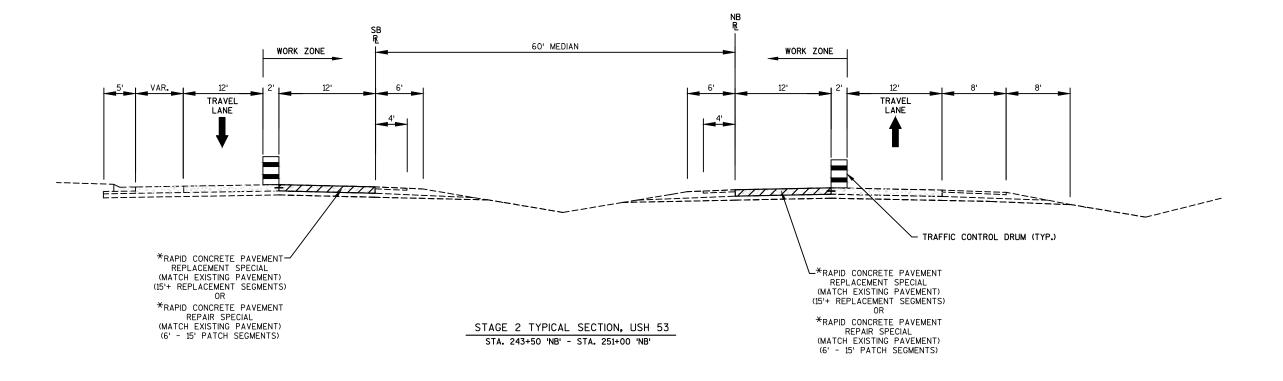




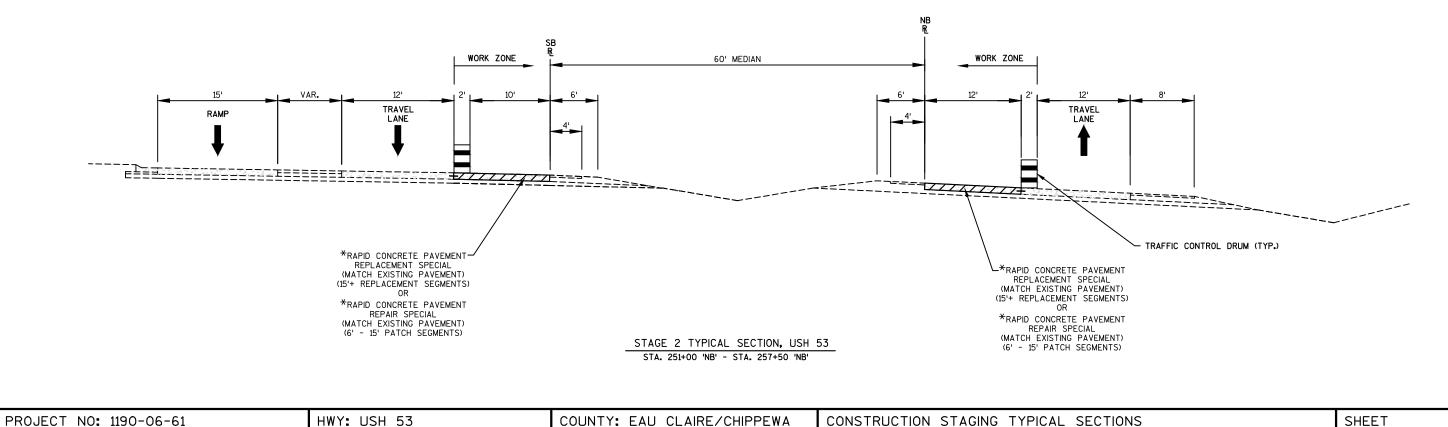








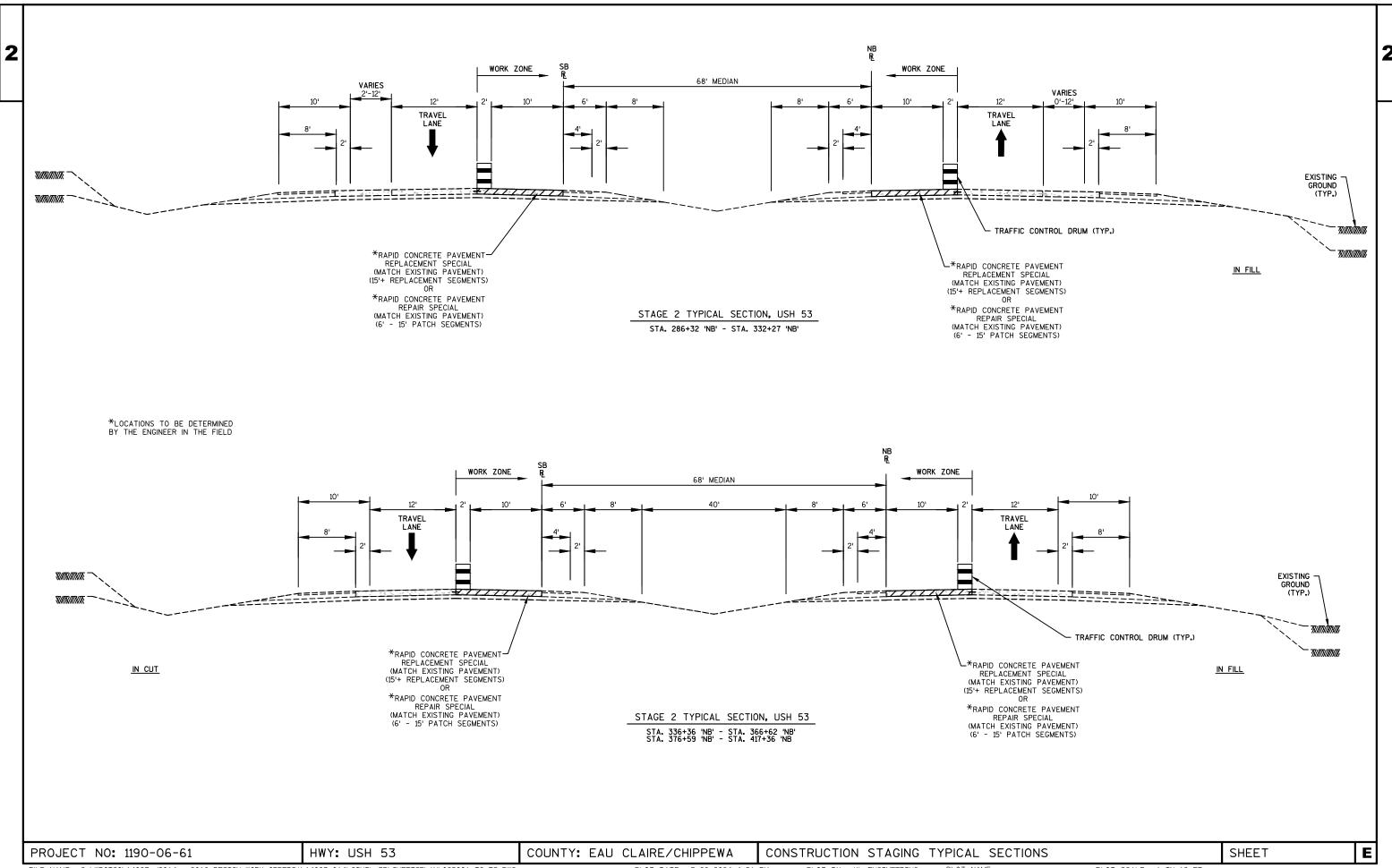
*LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD

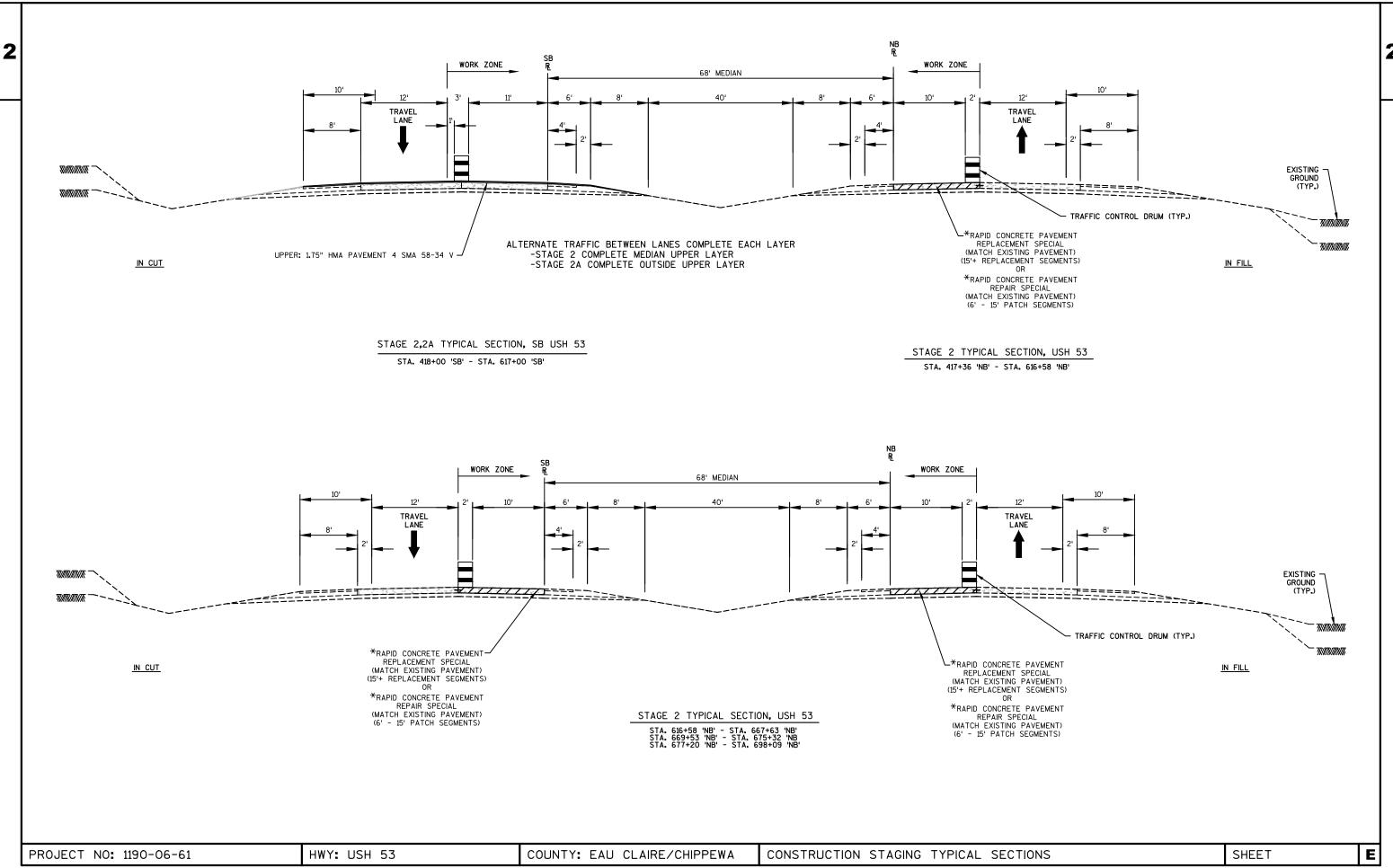


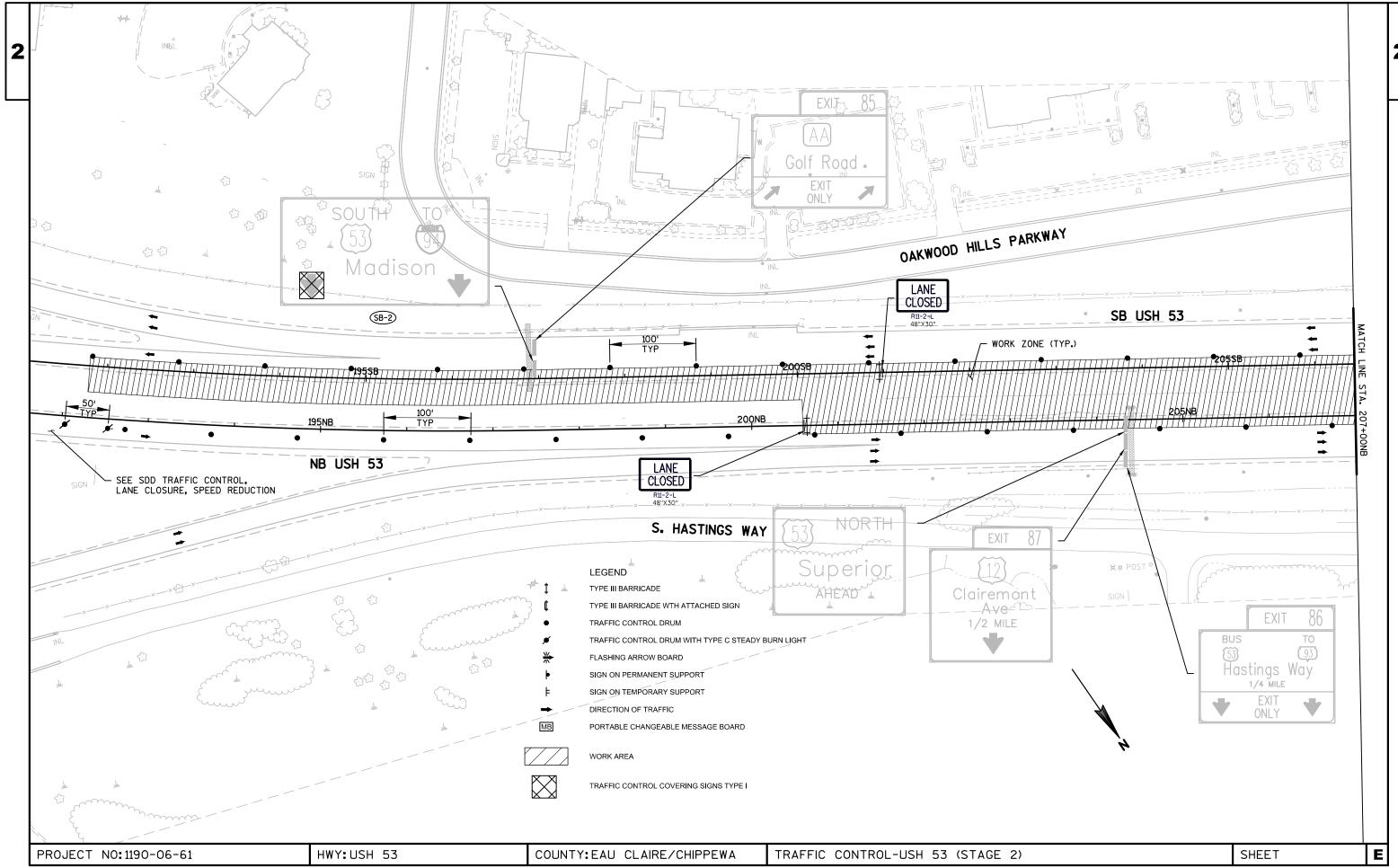
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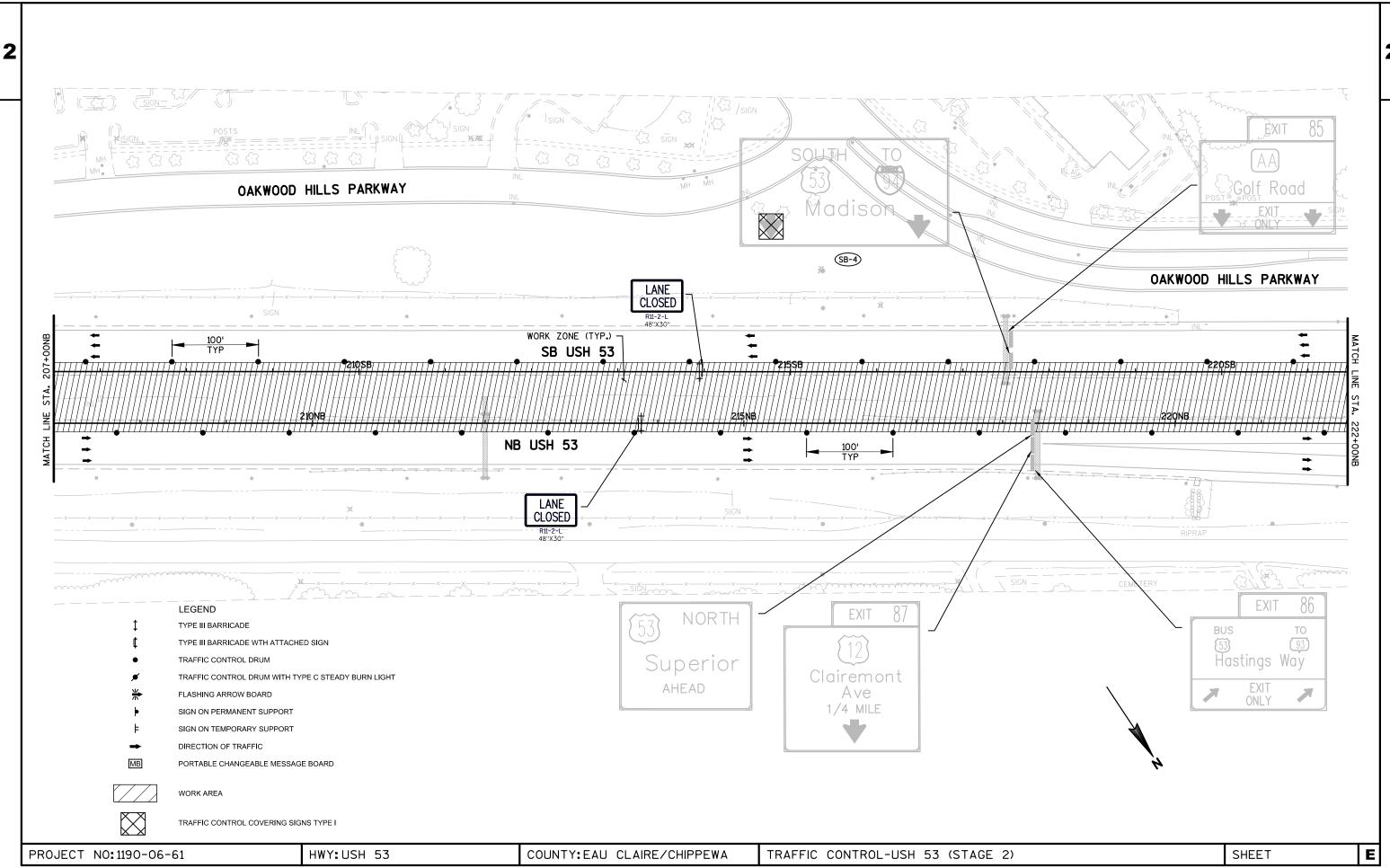
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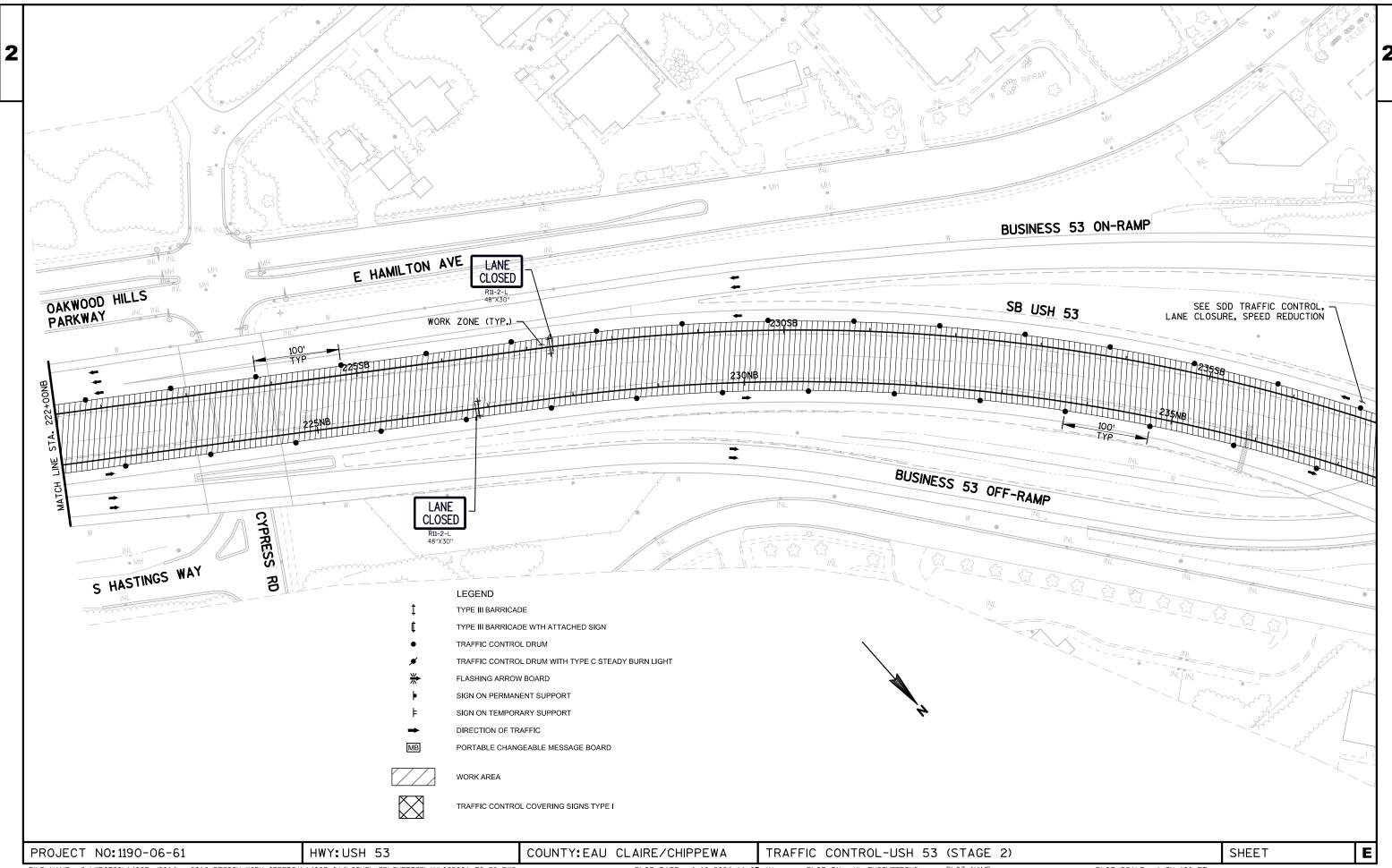
STAGE 2 TYPICAL SECTION, USH 53 STA. 262+00 'NB' - STA. 283+68 'NB'

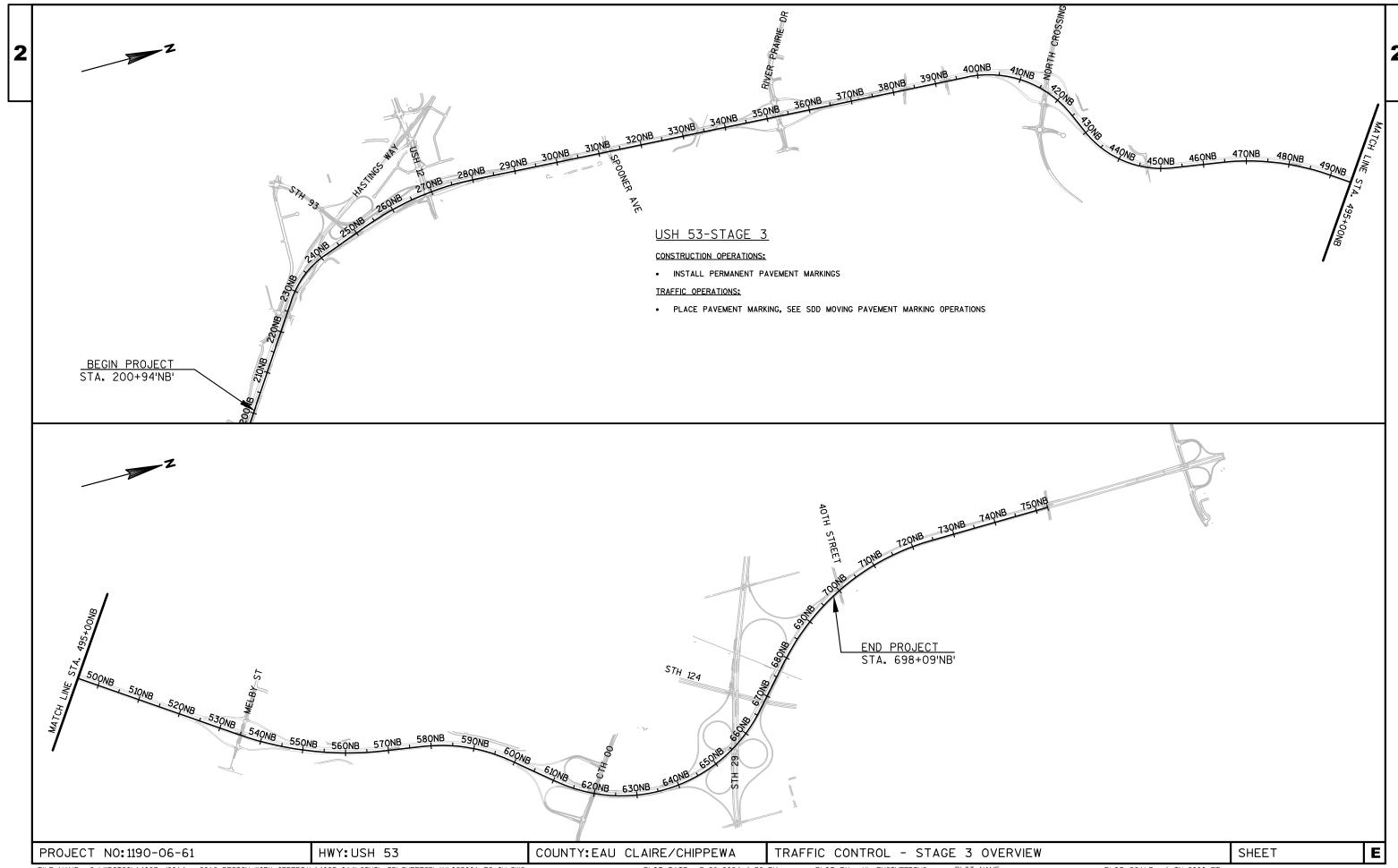


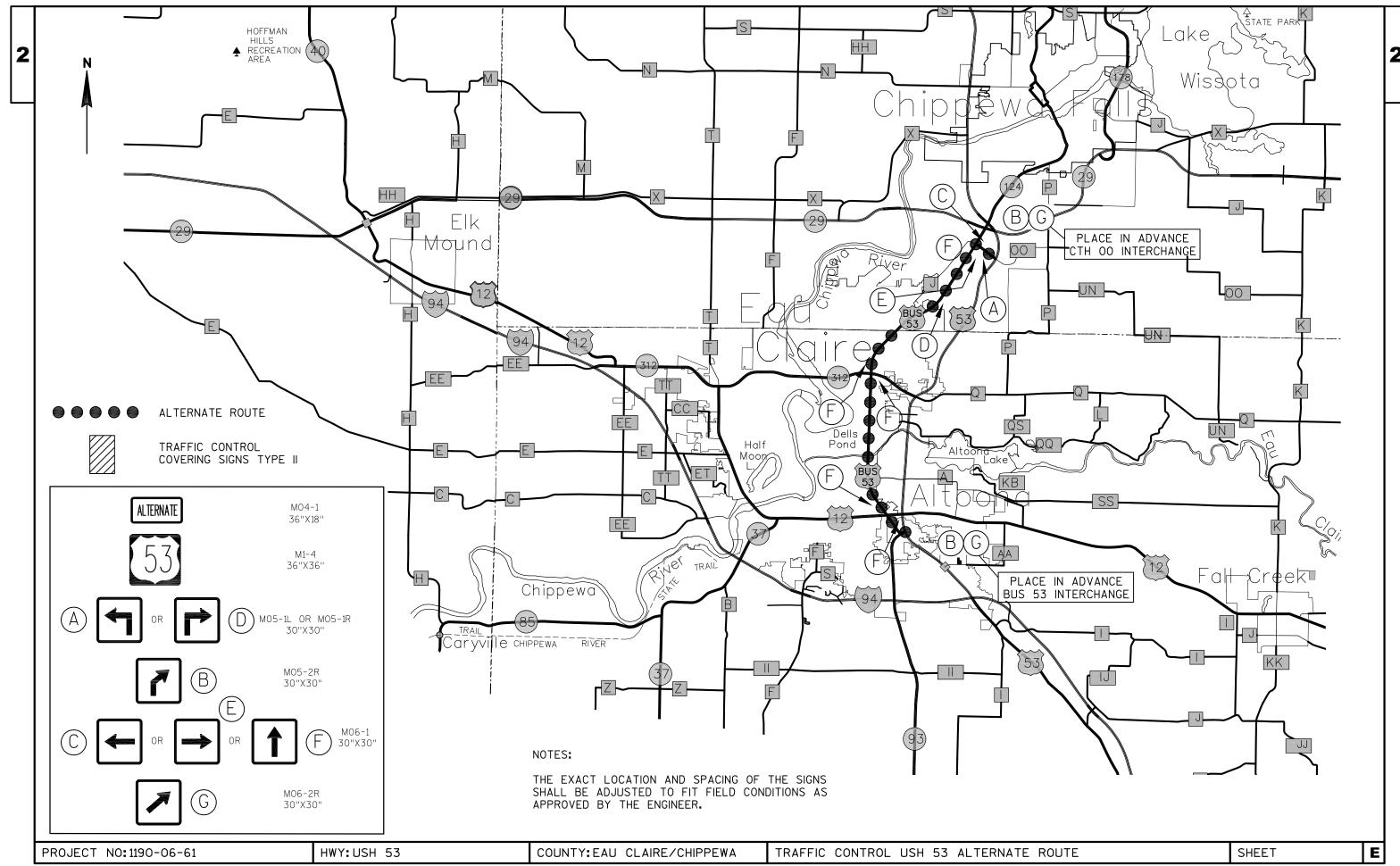












WORK ZONE

●/▼ TRAFFIC CONTROL DRUM/WITH TYPE C LIGHT

SIGN ON PORTABLE SUPPORT

TRAFFIC CONTROL SIGNS PCMS

- —▶ — DETOUR ROUTE

EXISTING SIGN MOUNTED ON POST(S)

NORTH SOUTH M3-1/M3-3

TO M04-5

36"X18"

36"X18"

30"X24" 30"X30"

← M06-1

30"X30"

30"X30"

36"X36"

48'X48"

36"X36"

RAMP CLOSED W20-53A AHEAD

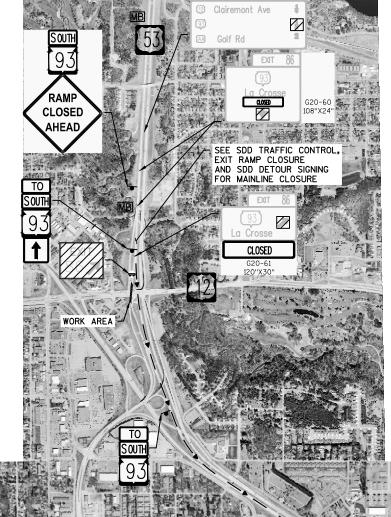
TRAFFIC CONTROL COVERING SIGNS

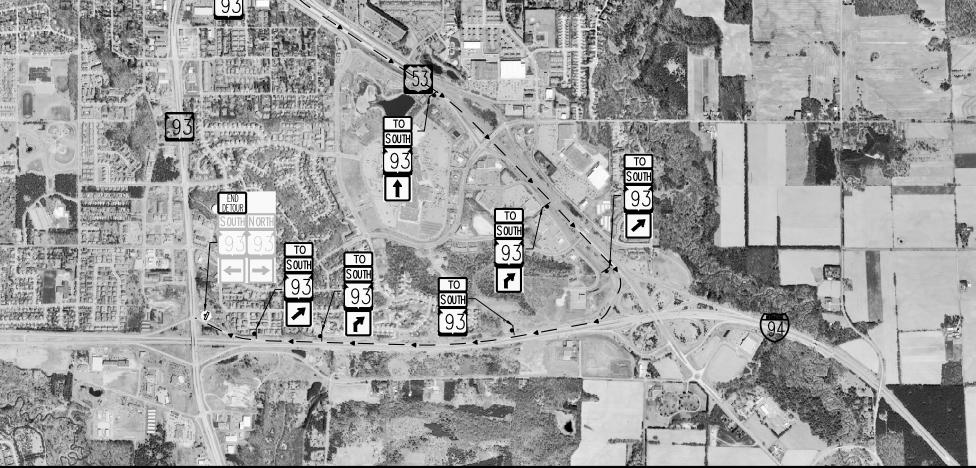
FRAME 1	FRAME 2
EXIT 86	XXXDAY
RAMP TO	xx xx xx
CLOSE	^^ ^^ ^^

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE FOR 7 DAYS PRIOR TO, THE STH 93 DETOUR.

FRAME 1	FRAME 2	
EXIT 86	USE	
RAMP	ALT	
CLOSED	ROUTE	

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE DURING, THE STH 93 DETOUR.





PROJECT NO:1190-06-31 HWY: USH 53

PLOT DATE : 4/22/2024 3:11 PM

COUNTY: EAU CLAIRE, CHIPPEWA

PLOT BY : KL ENGINEERING

DETOUR PLAN: STH 93-SB USH 53 OFF RAMP

PLOT SCALE : 1 IN:2000 FT

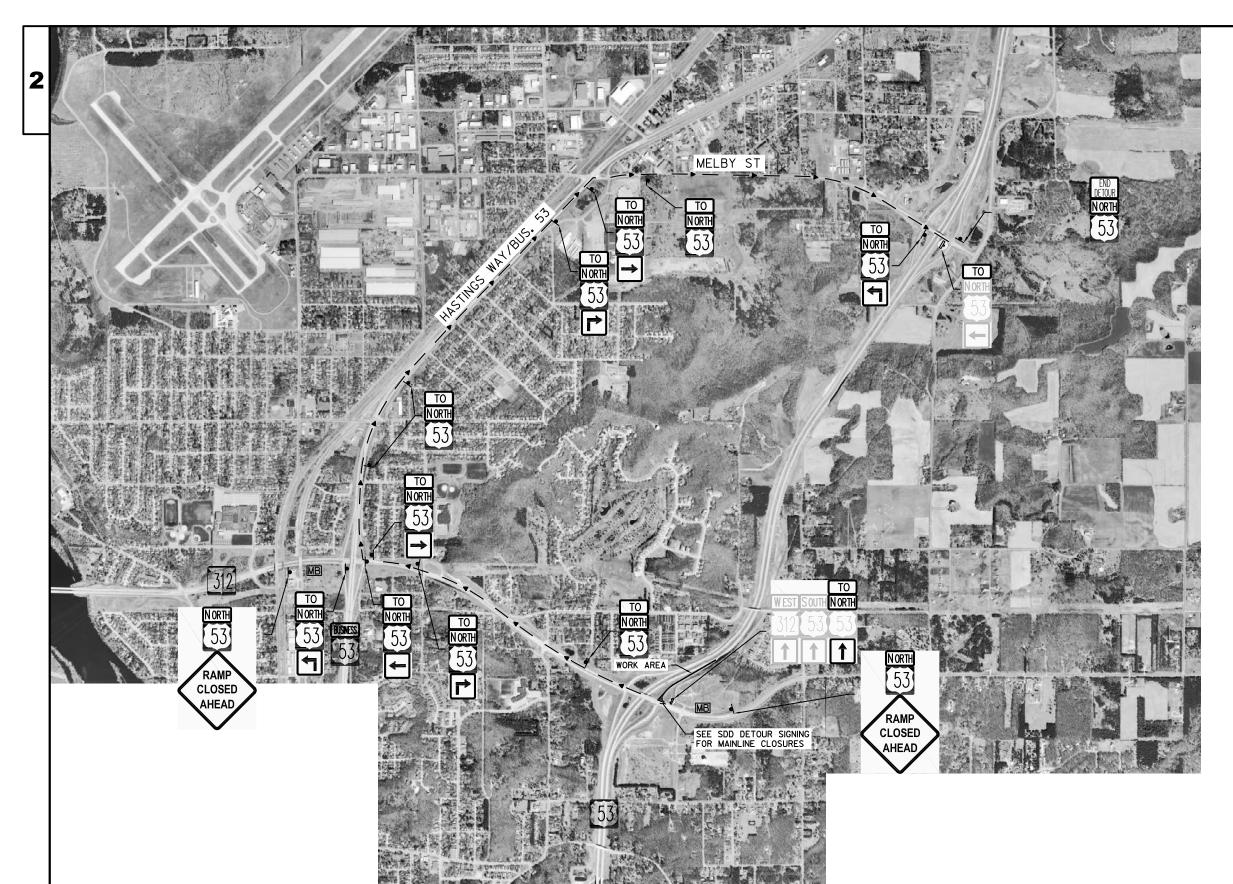
WISDOT/CADDS SHEET 42

SHEET

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\027002-DT.DWG LAYOUT NAME - ****







WORK ZONE

•/# TRAFFIC CONTROL DRUM/WITH TYPE C LIGHT

SIGN ON PERMANENT SUPPORT

MB TRAFFIC CONTROL SIGNS PCMS

· — • — DETOUR ROUTE

EXISTING SIGN MOUNTED ON POST(S) 36"X18"

NORTH SOUTH M3-1/M3-3

TO M04-5

M4-8-A M05-1

30"X30"

← M06-1

30"X30"

30"X30"

36"X18"

30"X24"

M06-2

36"X36"



48'X48"

FRAME 2 FRAME 1 NB HWY XXXDAY 53 RAMP XX XX XX TO CLOSE

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE FOR 7 DAYS PRIOR TO, THE USH 53 DETOUR.

FRAME 1	FRAME 2
NB HWY	USE
53 RAMP	ALT
CLOSED	ROUTE

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE DURING, THE USH 53 DETOUR.

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\027003-DT.DWG LAYOUT NAME - ****

HWY: USH 53

PROJECT NO:1190-06-31

PLOT DATE: 4/22/2024 3:37 PM

COUNTY: EAU CLAIRE, CHIPPEWA

PLOT BY : KL ENGINEERING

DETOUR PLAN: STH 312-NB USH 53 ON RAMP

PLOT NAME :

PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 42

SHEET





WORK ZONE

•/ TRAFFIC CONTROL DRUM/WITH TYPE C LIGHT

SIGN ON PERMANENT SUPPORT

MB TRAFFIC CONTROL SIGNS PCMS

· — DETOUR ROUTE

M06-1

EXISTING SIGN MOUNTED ON POST(S)

WEST TO M3-4/M4-5 36"X18" TO M04-5 36"X18"

> M4-8-A 30"X24" 30"X30" M05-1

M05-2 30"X30"

30"X30"

48'X48"

|←| M06-2 30"X30"

36"X36"

CLOSED W20-53A

TRAFFIC CONTROL COVERING SIGNS

FRAME 1 FRAME 2 EXIT 90 XXXDAY RAMP XX XX XX TO CLOSE

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE FOR 7 DAYS PRIOR TO, THE STH 312 DETOUR.

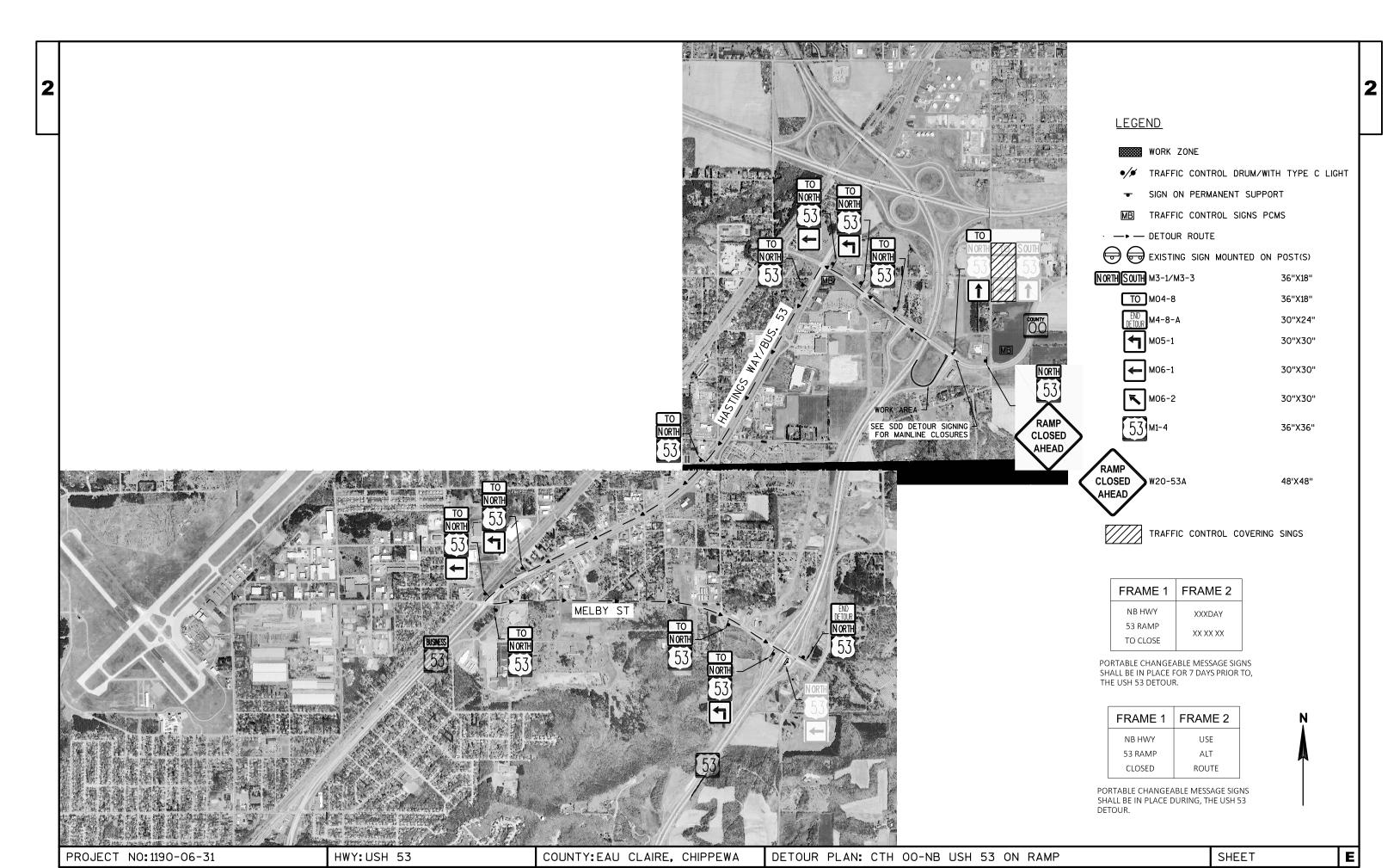
FRAME 1	FRAME 2
EXIT 90	USE
RAMP	EXIT
CLOSED	92

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE DURING, THE STH 312

DETOUR PLAN: STH 312-SB USH 53 OFF RAMP COUNTY: EAU CLAIRE, CHIPPEWA

HWY: USH 53

PROJECT NO:1190-06-31



FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\14023-014\CIVIL 3D\SHEETSPLAN\027005-DT.DWG LAYOUT NAME - ****

PLOT DATE: 4/22/2024 4:30 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:2000 FT







WORK ZONE

●/ TRAFFIC CONTROL DRUM/WITH TYPE C LIGHT

■ SIGN ON PERMANENT SUPPORT

MB TRAFFIC CONTROL SIGNS PCMS

· — • — DETOUR ROUTE

EXISTING SIGN MOUNTED ON POST(S) NORTH SOUTH M3-1/M3-3 36"X18"

TO M04-8

END DETOLIR M4-8-A

M05-2 30"X30"

← M06-1

CLOSED W20-53A

48'X48"

36"X18"

30"X24"

30"X30"

30"X30"

36"X36"

FRAME 1 FRAME 2 EXIT 75B XXXDAY RAMP XX XX XX TO CLOSE

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE FOR 7 DAYS PRIOR TO, THE STH 53 DETOUR.

FRAME 1	FRAME 2
EXIT 75B	USE
RAMP	ALT
CLOSED	ROUTE

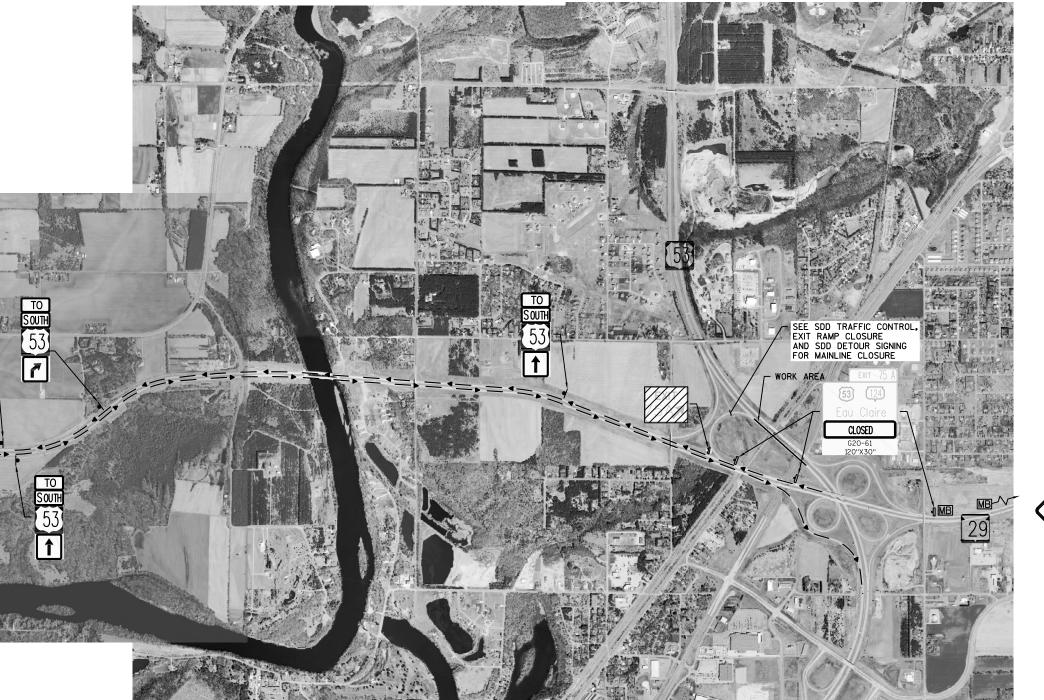
PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE DURING, THE STH 53 DETOUR.

		53 TO NORTH 53	NORTH 53 NORTH NORTH S53	EXIT 758 Superior CLOSED G20-61 120"X30"	MB - 1
PROJECT NO: 1190-06-31	HWY: USH 53	COUNTY: EAU CLAI	IRE, CHIPPEWA DE	ETOUR PLAN: WB STH 29	-NB USH 53 ON RAME
FRUJECT NU:1190-06-31 FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDE			OT DATE : 4/22/2024 4:39 PM		PLOT NAME :

2

SHEET





WORK ZONE

● TRAFFIC CONTROL DRUM/WITH TYPE C LIGHT

36"X18"

30"X24"

30"X30"

48'X48"

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL SIGNS PCMS

—► — DETOUR ROUTE

EXISTING SIGN MOUNTED ON POST(S)

NORTH SOUTH M3-1/M3-3 36"X18"

> TO M04-8 M4-8-A

M05-1 30"X30"

← M06-1

M06-2 30"X30"

36"X36"

RAMP CLOSED W20-53A AHEAD

TRAFFIC CONTROL COVERING SINGS

FRAME 2 FRAME 1 SB HWY XXXDAY 53 RAMP XX XX XX TO CLOSE

PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE IN PLACE FOR 7 DAYS PRIOR TO, THE USH 53 DETOUR.

SB HWY USE	
53 RAMP ALT	
CLOSED ROUTE	

PORTABLE CHANGEABLE MESSAGE SIGNS

SHALL BE IN PLACE DURING, THE USH 53 DETOUR.

PROJECT NO:1190-06-31

HWY: USH 53

COUNTY: EAU CLAIRE, CHIPPEWA

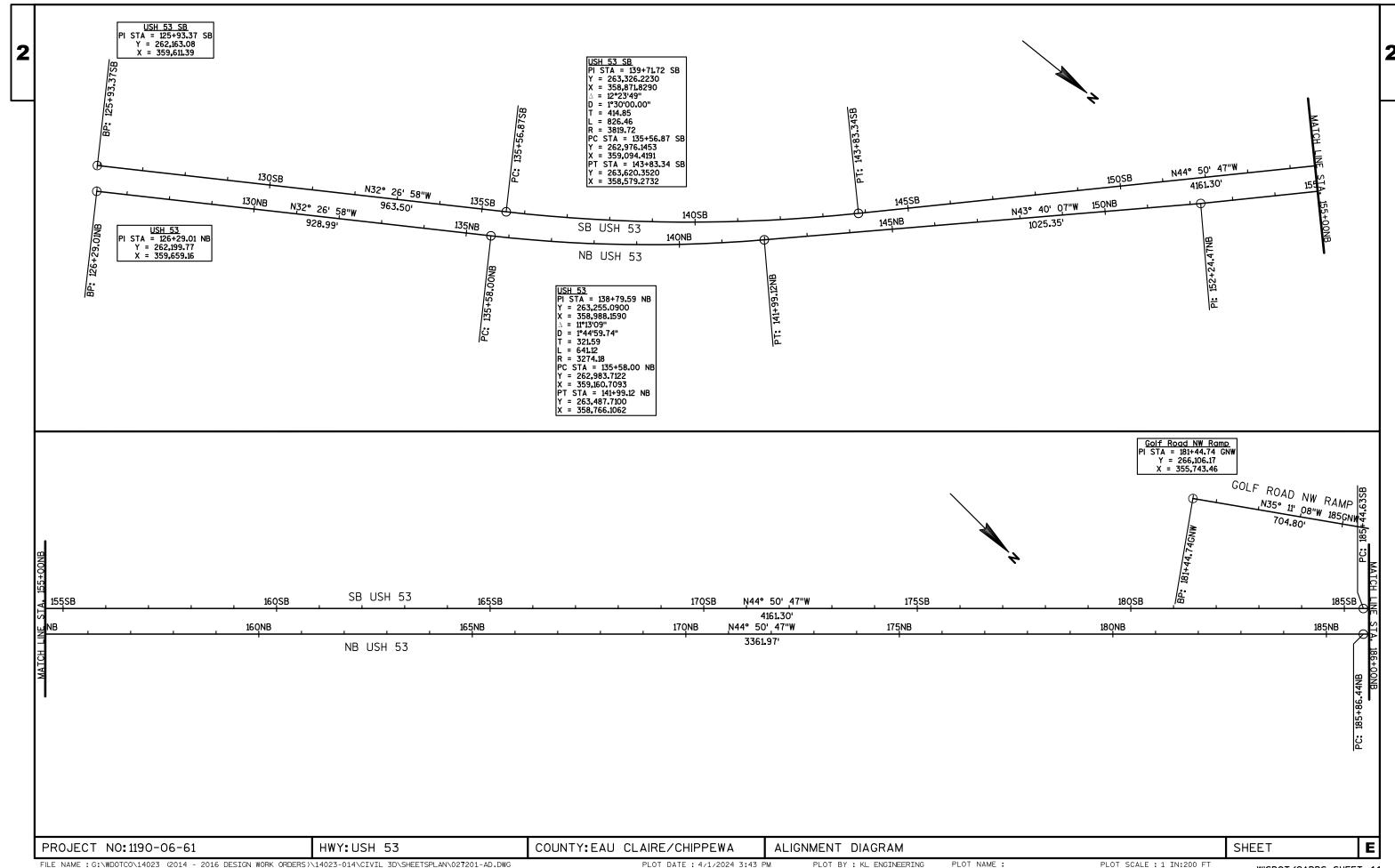
DETOUR PLAN: WB STH 29-SB USH 53 ON RAMP

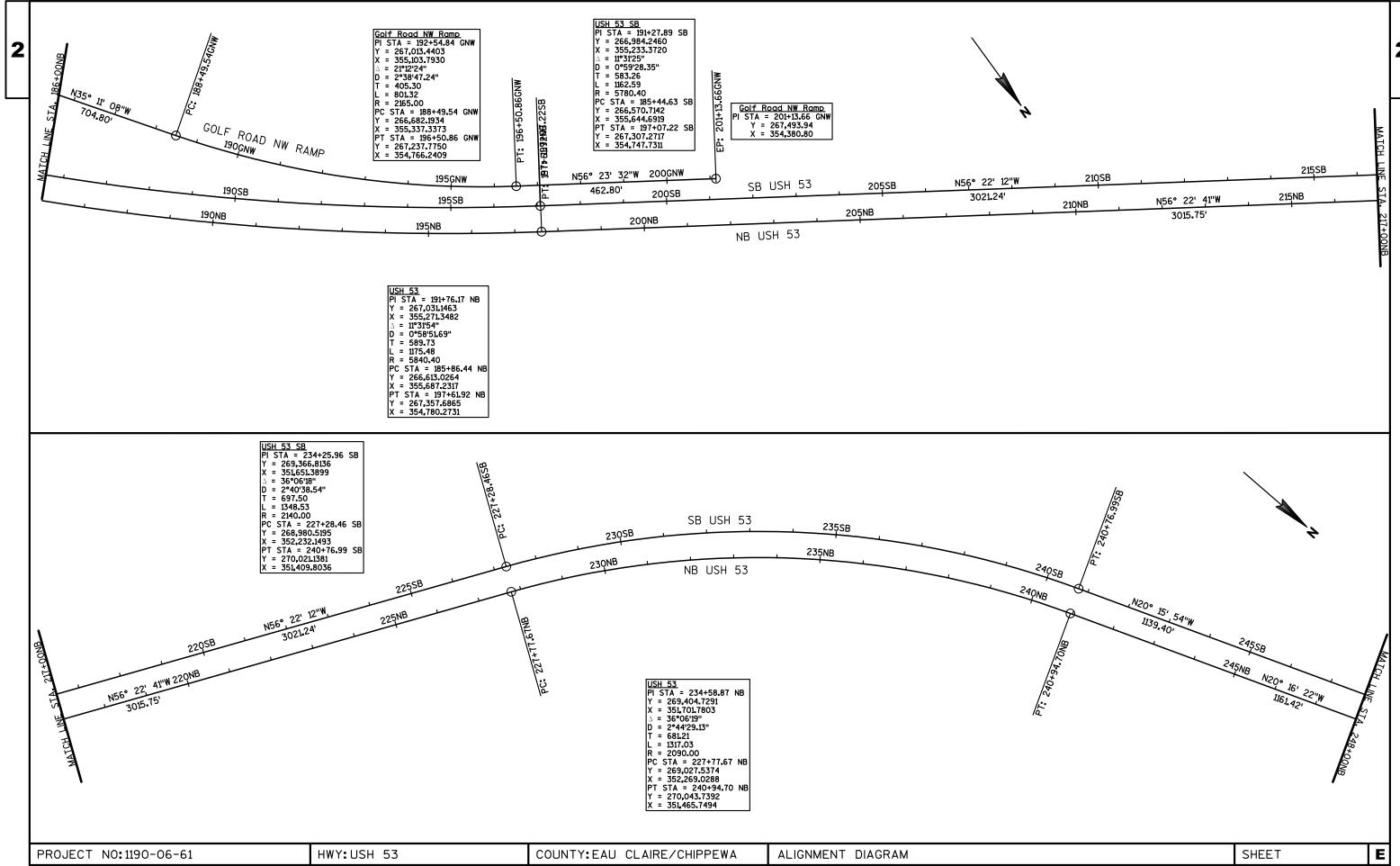
PLOT NAME :

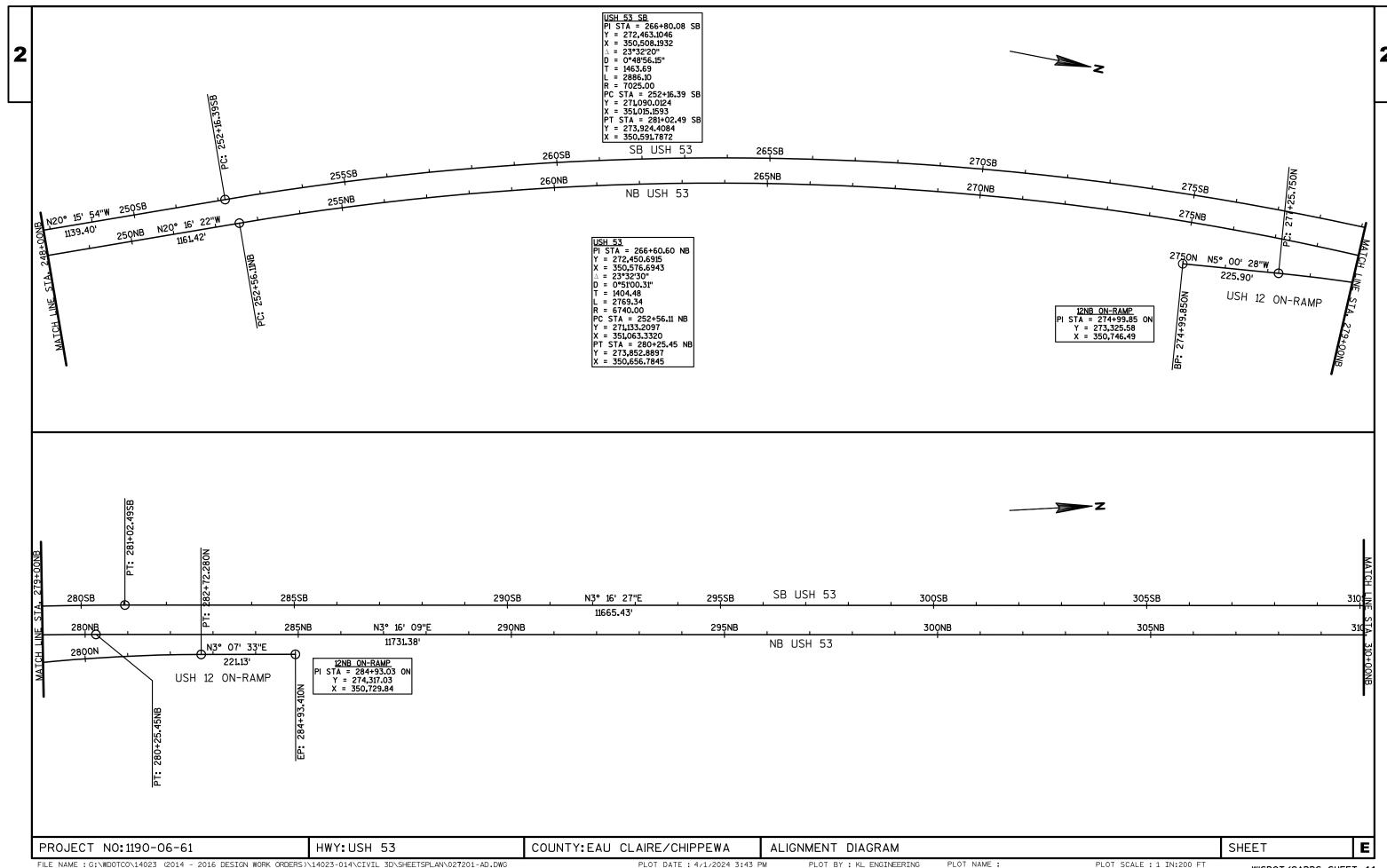
PLOT SCALE : 1 IN:2000 FT

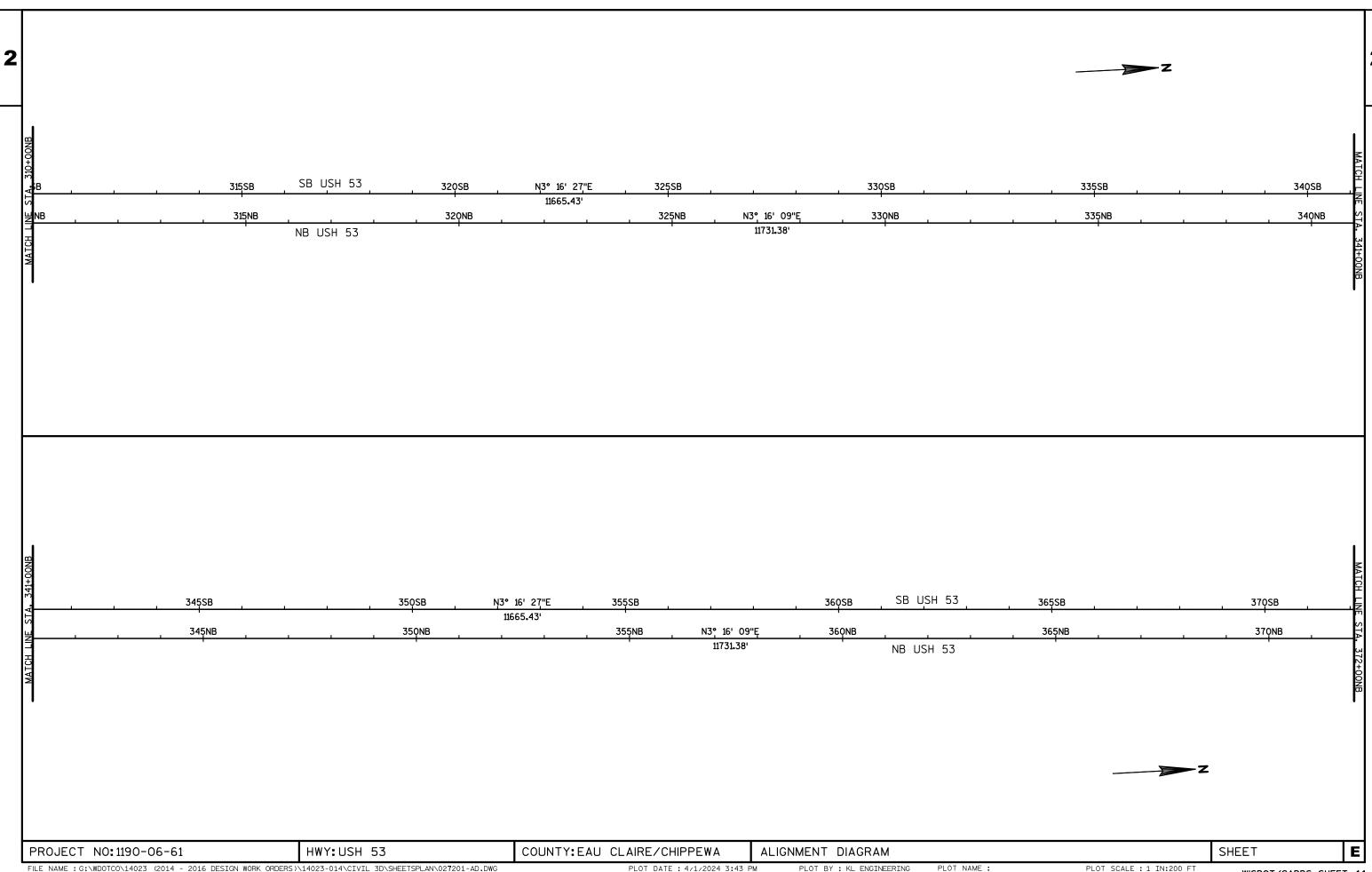
WISDOT/CADDS SHEET 42

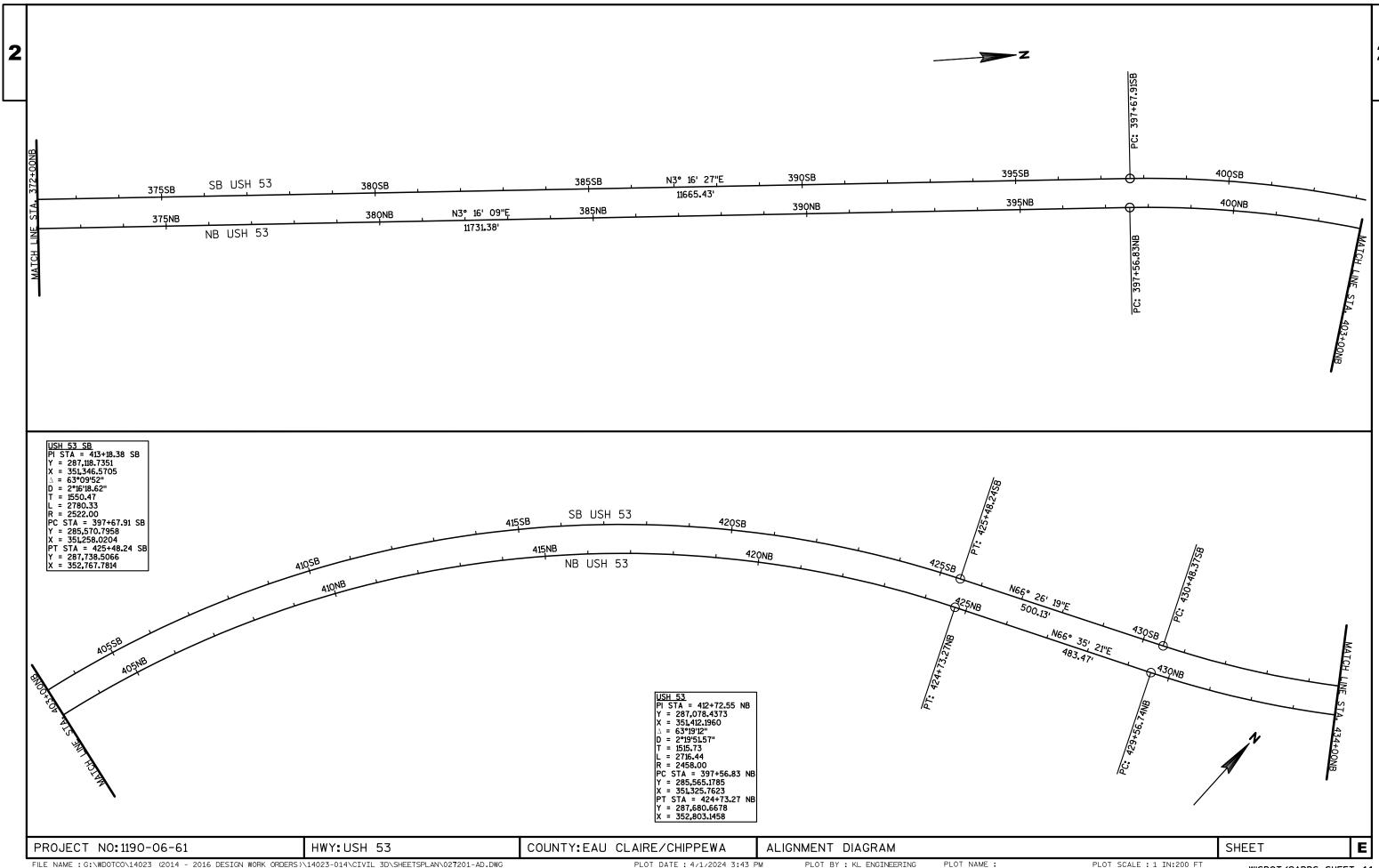
SHEET

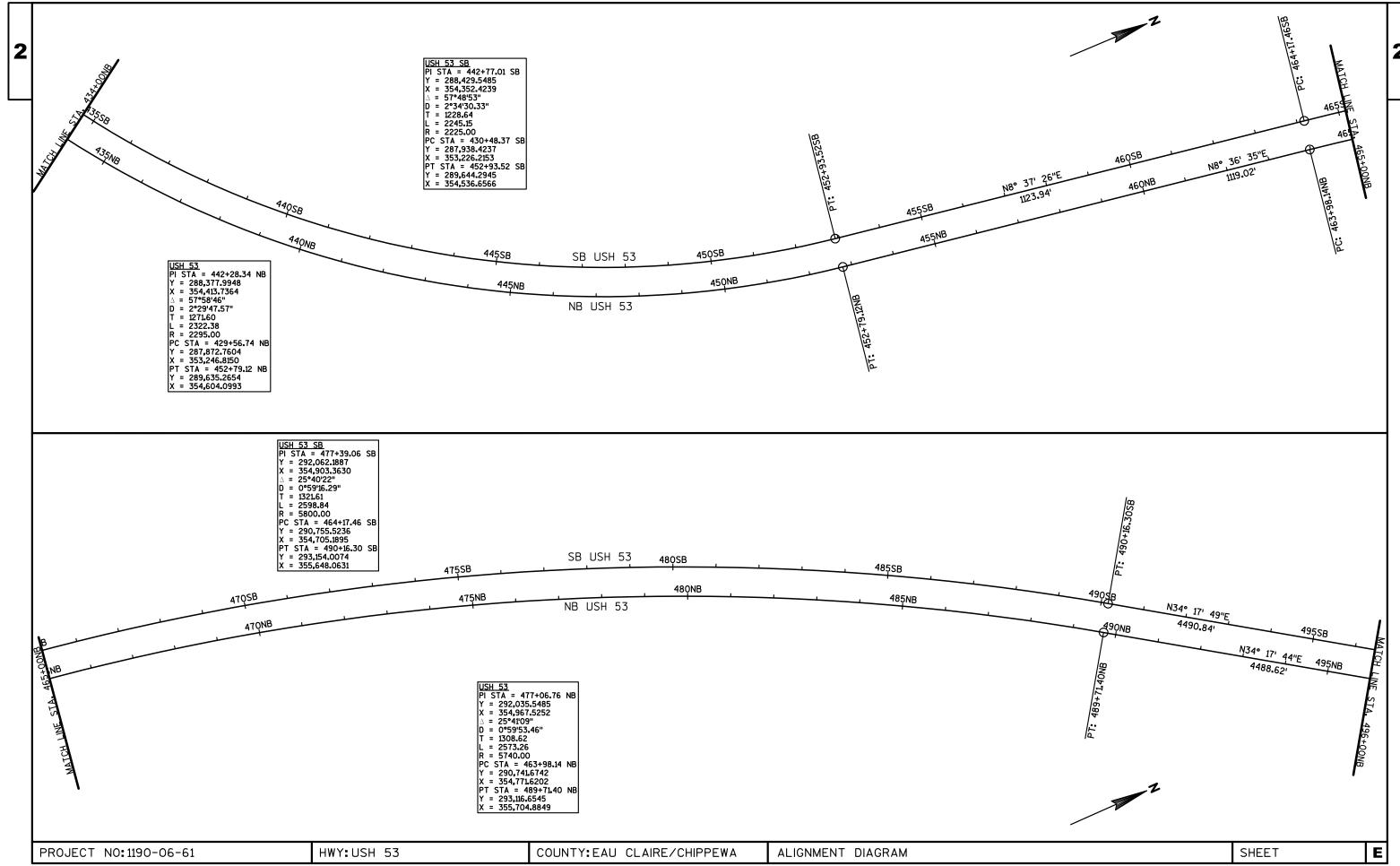


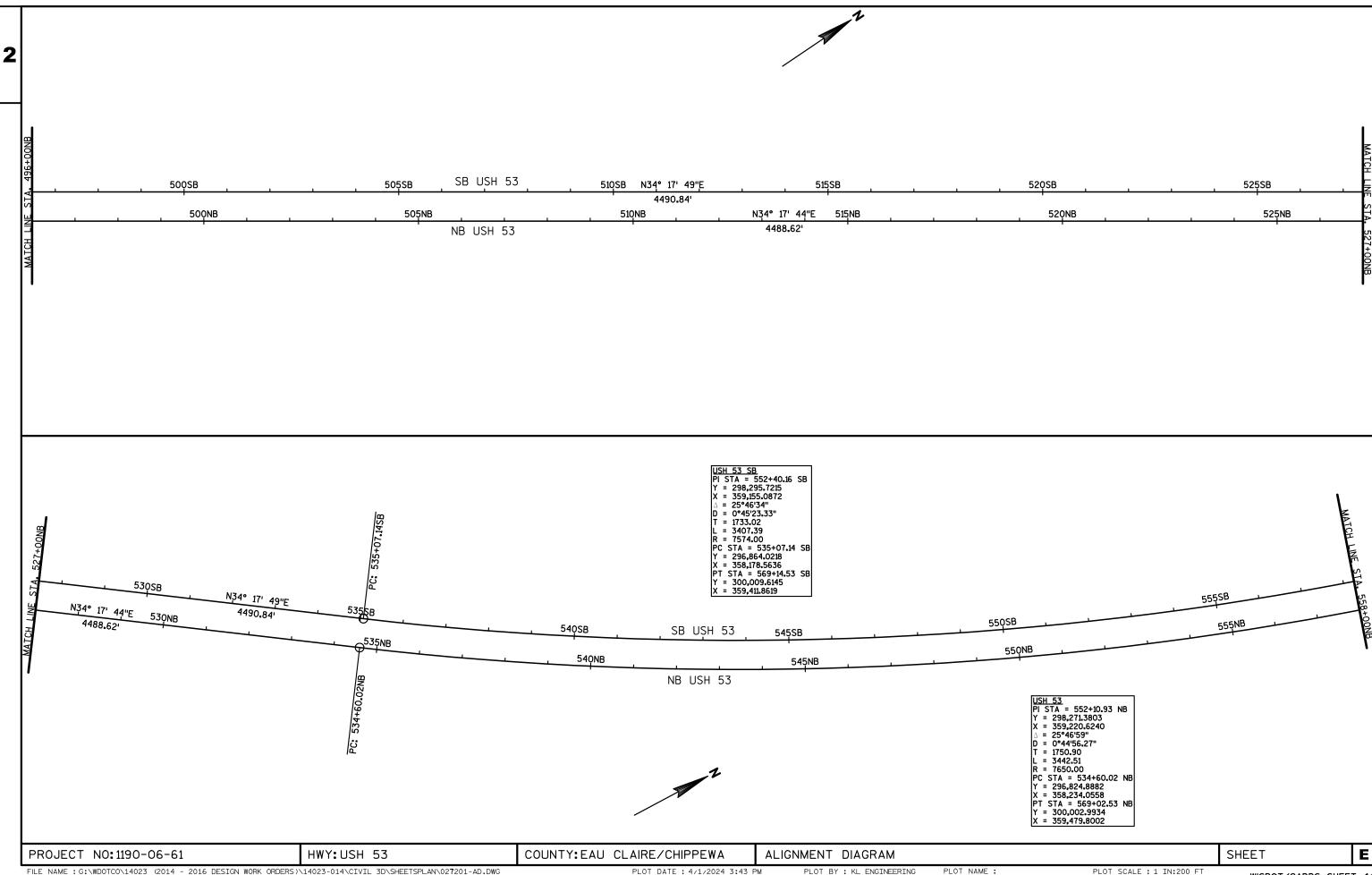


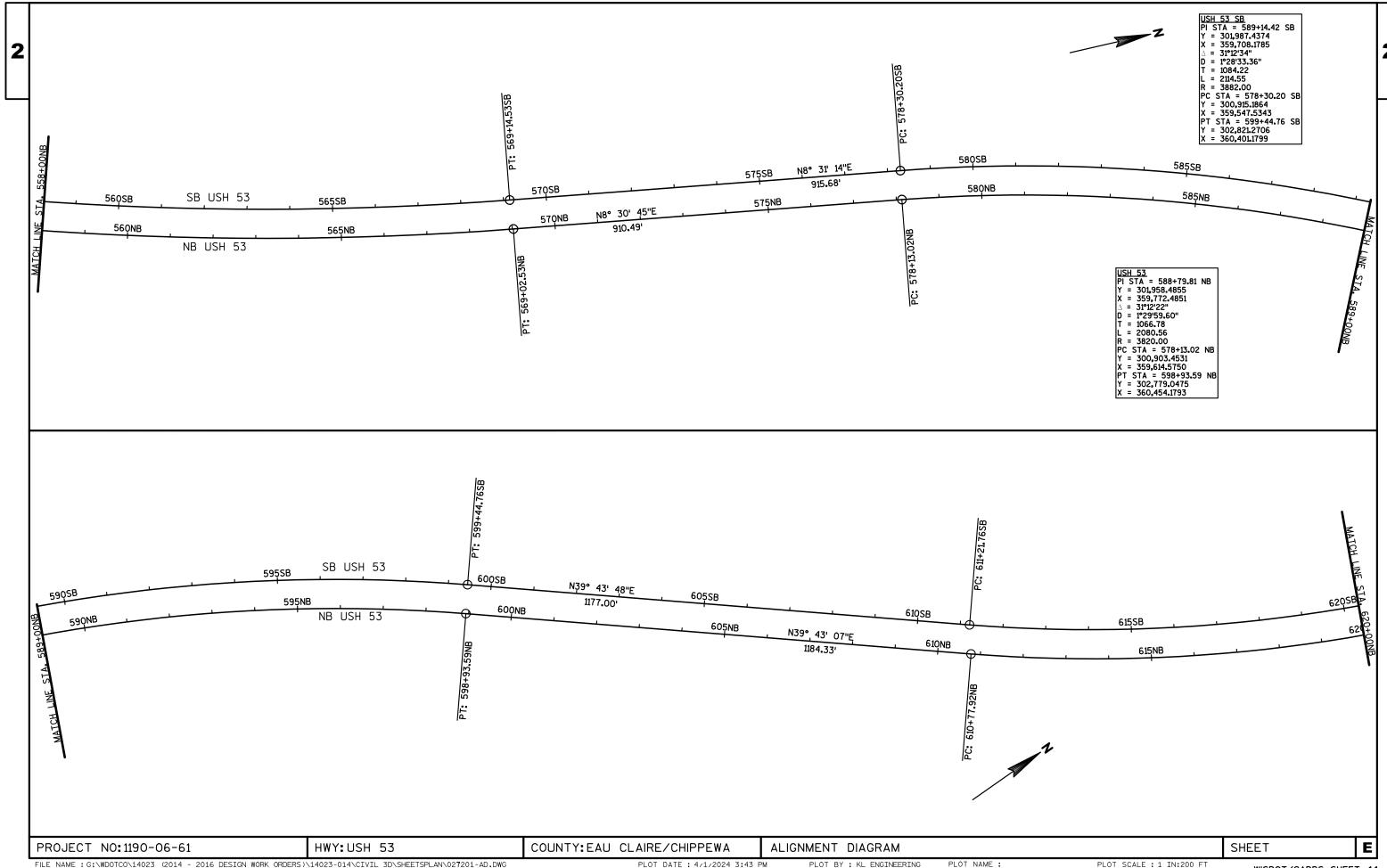


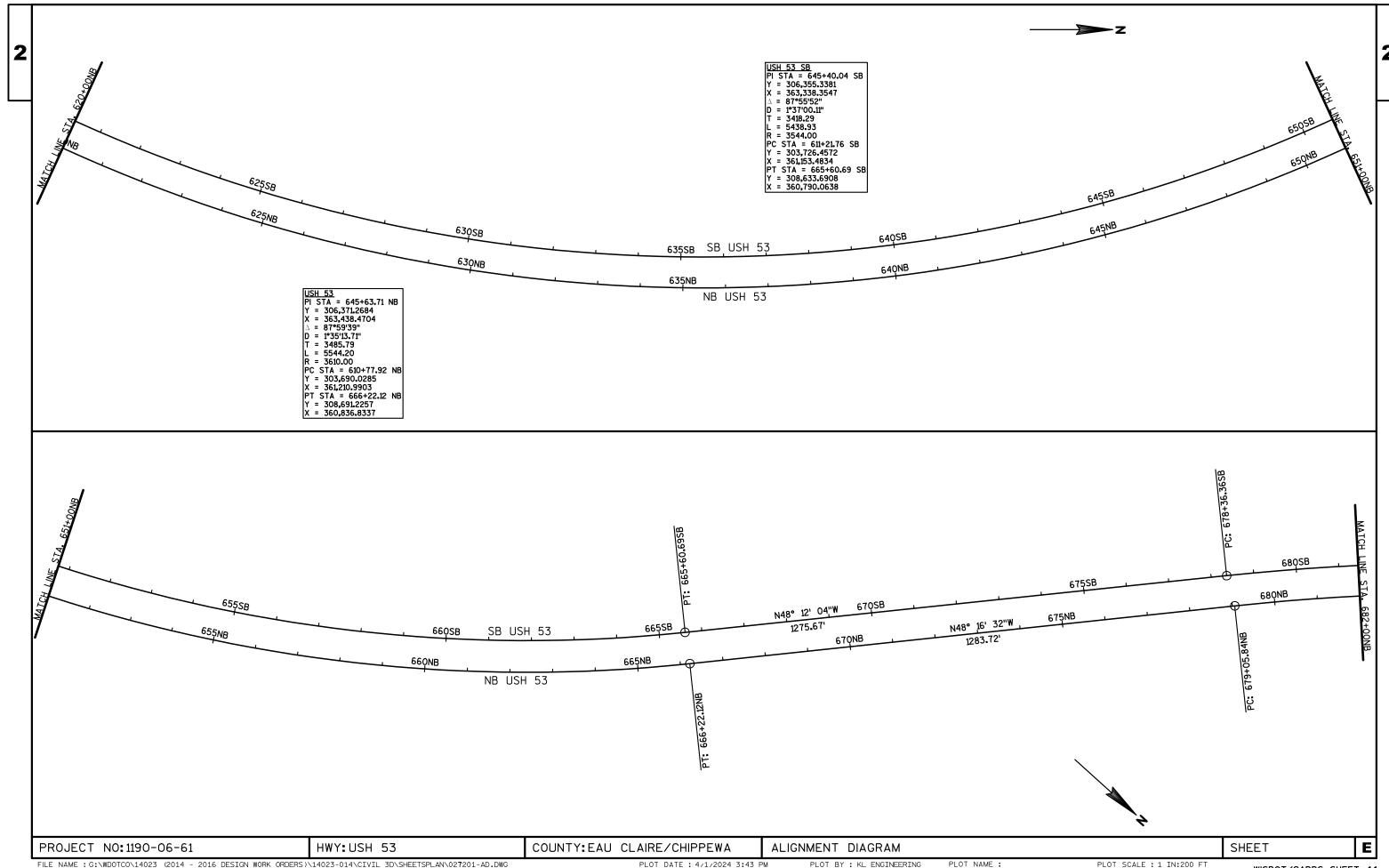


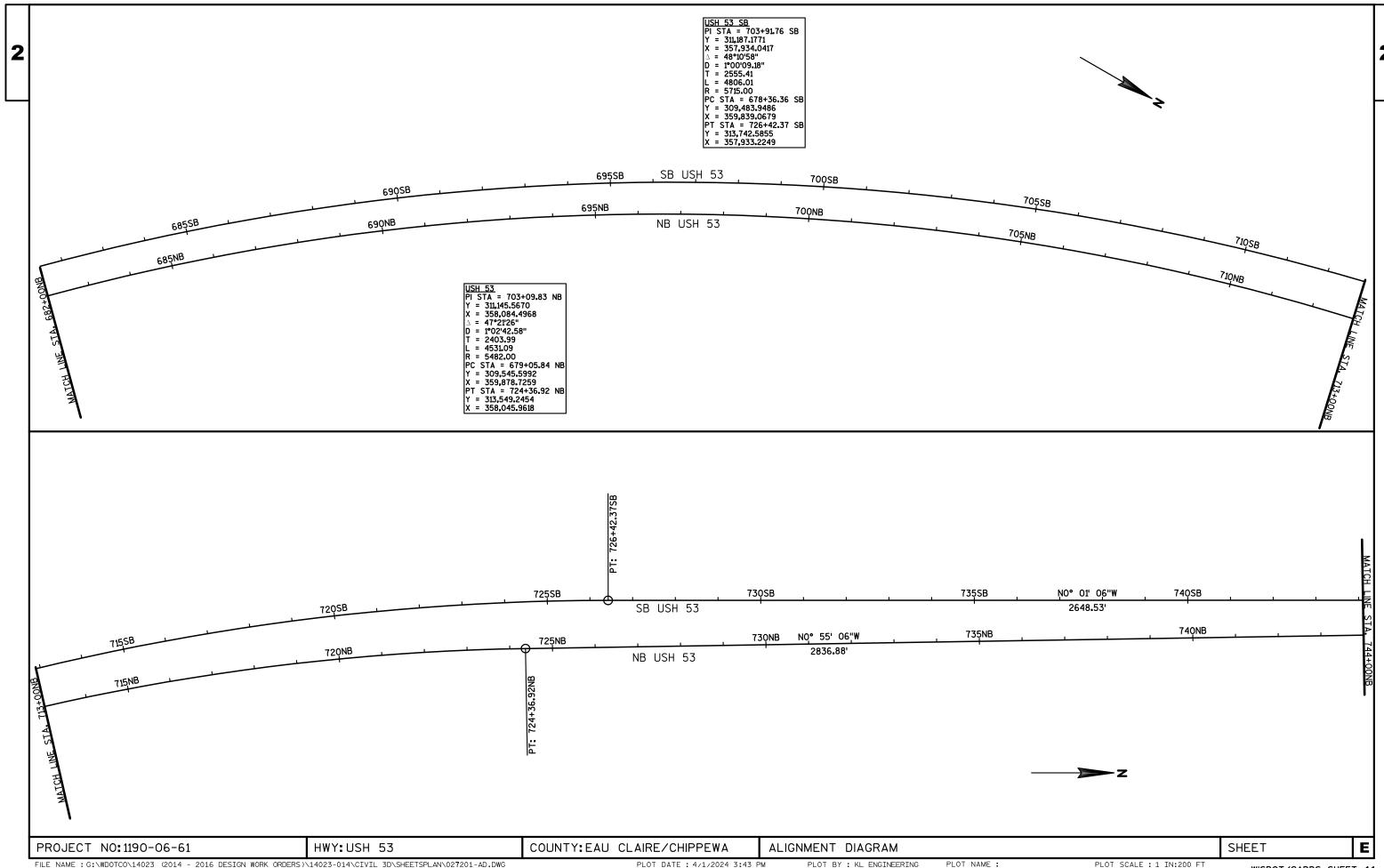


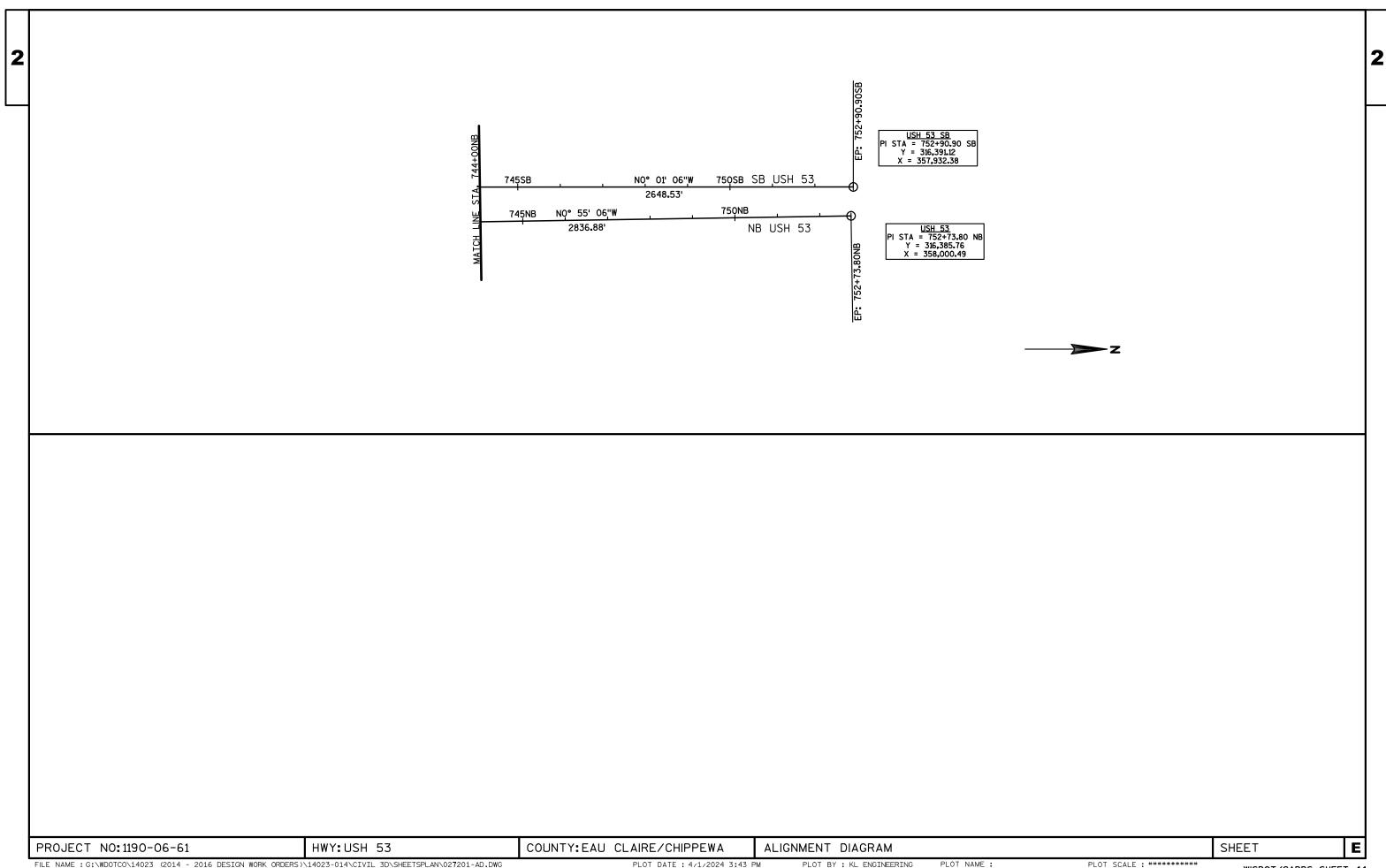












11	90	-06	-61

					1190-06-61	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0100	Removing Concrete Pavement	SY	651.000	651.000	
0004	204.0105	Removing Concrete Pavement Butt Joints	SY	740.000	740.000	
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	560.000	560.000	
8000	204.0165	Removing Guardrail	LF	314.000	314.000	
0010	204.0180	Removing Delineators and Markers	EACH	495.000	495.000	
0012	211.0101	Prepare Foundation for Asphaltic Paving (project) 001. 1190-06-61	EACH	1.000	1.000	
0014	213.0100	Finishing Roadway (project) 001. 1190-06-61	EACH	1.000	1.000	
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,650.000	1,650.000	
0018	305.0500	Shaping Shoulders	STA	420.000	420.000	
0020	415.0410	Concrete Pavement Approach Slab	SY	651.000	651.000	
0022	416.0610	Drilled Tie Bars	EACH	3,100.000	3,100.000	
0024	416.0620	Drilled Dowel Bars	EACH	8,950.000	8,950.000	
0026	450.4000	HMA Cold Weather Paving	TON	1,800.000	1,800.000	
0028	455.0605	Tack Coat	GAL	12,600.000	12,600.000	
0030		HMA Pavement Test Strip Volumetrics	EACH	1.000	1.000	
0032		HMA Pavement Test Strip Density	EACH	1.000	1.000	
0034	460.2000	Incentive Density HMA Pavement	DOL	9,320.000	9,320.000	
0036	460.7245	HMA Pavement 5 HT 58-34 S	TON	7,300.000	7,300.000	
0038	460.8644	HMA Pavement 4 SMA 58-34 V	TON	7,250.000	7,250.000	
0040		Material Transfer Vehicle	EACH	1.000	1.000	
0042	465.0110	Asphaltic Surface Patching	TON	490.000	490.000	
0044	465.0520	Asphaltic Rumble Strips, Shoulder	LF	19,900.000	19,900.000	
0046	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	1.600	1.600	
0048	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	142.000	142.000	
0050	531.2024	Drilling Shaft 24-Inch	LF	13.000	13.000	
0052	614.0010	Barrier System Grading Shaping Finishing	EACH	7.000	7.000	
0054	614.0115	Anchorages for Steel Plate Beam Guard Type 2	EACH	1.000	1.000	
0056	614.0305	Steel Plate Beam Guard Class A	LF	945.500	945.500	
0058	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	5.000	5.000	
0060	614.0952	Replacing Guardrail Reflectors	EACH	220.000	220.000	
0062	618.0100	Maintenance and Repair of Haul Roads (project) 001. 1190-06-61	EACH	1.000	1.000	
0064	619.1000	Mobilization	EACH	1.000	1.000	
0066	624.0100	Water	MGAL	25.000	25.000	
0068	628.1504	Silt Fence	LF	1,955.000	1,955.000	
0070	628.1520	Silt Fence Maintenance	LF	1,955.000	1,955.000	
0072	633.0100	Delineator Posts Steel	EACH	385.000	385.000	
0074		Delineator Reflectors	EACH	600.000	600.000	
0076	633.1000	Delineators Barrier Wall	EACH	90.000	90.000	
0078	635.0200	Sign Supports Structural Steel HS	LB	390.000	390.000	
0800	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	1.000	1.000	
0082	637.1220	Signs Type I Reflective SH	SF	550.500	550.500	
0084	638.2601	Removing Signs Type I	EACH	4.000	4.000	
0086	642.5001	Field Office Type B	EACH	1.000	1.000	
8800	643.0300	Traffic Control Drums	DAY	18,800.000	18,800.000	
0090	643.0420	Traffic Control Barricades Type III	DAY	1,400.000	1,400.000	
0092	643.0705	Traffic Control Warning Lights Type A	DAY	2,350.000	2,350.000	
0094	643.0715	Traffic Control Warning Lights Type C	DAY	4,850.000	4,850.000	
0096	643.0800	Traffic Control Arrow Boards	DAY	290.000	290.000	
0098	643.0900	Traffic Control Signs	DAY	3,650.000	3,650.000	

0164

0166

0168 0170

0172

0174

SPV.0090

SPV.0045 Special 001. Digital Speed Reduction System

SPV.0090 Special 001. Sawing Curb Head

SPV.0060 Special 001. Removing Raised Pavement Markers and Filling Voids

Special 002. Asphaltic Mastic Joint Sealing

SPV.0180 Special 002. Rapid Concrete Pavement Repair Special

SPV.0180 Special 001. Rapid Concrete Pavement Replacement Special

| 3 |

					1190-06-61	
Line	Item	Item Description	Unit	Total	Qty	
0100	643.0910	Traffic Control Covering Signs Type I	EACH	35.000	35.000	
0102	643.0920	Traffic Control Covering Signs Type II	EACH	500.000	500.000	
0104	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	450.000	450.000	
0106	643.1205.S	Basic Traffic Queue Warning System	DAY	232.000	232.000	
0108	643.3105	Temporary Marking Line Paint 4-Inch	LF	4,975.000	4,975.000	
0110	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	5,000.000	5,000.000	
0112	643.4100	Traffic Control Interim Lane Closure	EACH	232.000	232.000	
0114	643.5000	Traffic Control	EACH	1.000	1.000	
0116	646.2020	Marking Line Epoxy 6-Inch	LF	550.000	550.000	
0118	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	27,150.000	27,150.000	
0120	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	252,600.000	252,600.000	
0122	646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	27,150.000	27,150.000	
0124	646.4020	Marking Line Epoxy 10-Inch	LF	560.000	560.000	
0126	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	38,950.000	38,950.000	
0128	646.4720	Marking Line Same Day Epoxy 6-Inch	LF	45,000.000	45,000.000	
0130	646.4820	Marking Line Same Day Epoxy 10-Inch	LF	4,300.000	4,300.000	
0132	646.5020	Marking Arrow Epoxy	EACH	34.000	34.000	
0134	646.5120	Marking Word Epoxy	EACH	15.000	15.000	
0136	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	20.000	20.000	
0138	646.6120	Marking Stop Line Epoxy 18-Inch	LF	350.000	350.000	
0140	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	125,950.000	125,950.000	
0142	646.8020	Marking Corrugated Median Epoxy	SF	400.000	400.000	
0111	646 9430	Marking Curb Enove	1.5	10.000	10.000	

Line	Item	Item Description	Unit	Total	Qty
0100	643.0910	Traffic Control Covering Signs Type I	EACH	35.000	35.000
0102	643.0920	Traffic Control Covering Signs Type II	EACH	500.000	500.000
0104	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	450.000	450.000
0106	643.1205.S	Basic Traffic Queue Warning System	DAY	232.000	232.000
0108	643.3105	Temporary Marking Line Paint 4-Inch	LF	4,975.000	4,975.000
0110	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	5,000.000	5,000.000
0112	643.4100	Traffic Control Interim Lane Closure	EACH	232.000	232.000
0114	643.5000	Traffic Control	EACH	1.000	1.000
0116	646.2020	Marking Line Epoxy 6-Inch	LF	550.000	550.000
0118	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	27,150.000	27,150.000
0120	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	252,600.000	252,600.000
0122	646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	27,150.000	27,150.000
0124	646.4020	Marking Line Epoxy 10-Inch	LF	560.000	560.000
0126	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	38,950.000	38,950.000
0128	646.4720	Marking Line Same Day Epoxy 6-Inch	LF	45,000.000	45,000.000
0130	646.4820	Marking Line Same Day Epoxy 10-Inch	LF	4,300.000	4,300.000
0132	646.5020	Marking Arrow Epoxy	EACH	34.000	34.000
0134	646.5120	Marking Word Epoxy	EACH	15.000	15.000
0136	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	20.000	20.000
0138	646.6120	Marking Stop Line Epoxy 18-Inch	LF	350.000	350.000
0140	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	125,950.000	125,950.000
0142	646.8020	Marking Corrugated Median Epoxy	SF	400.000	400.000
0144	646.8120	Marking Curb Epoxy	LF	10.000	10.000
0146	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0148	646.9000	Marking Removal Line 4-Inch	LF	251,900.000	251,900.000
0150	650.8000	Construction Staking Resurfacing Reference	LF	23,685.000	23,685.000
0152	690.0150	Sawing Asphalt	LF	11,700.000	11,700.000
0154	690.0250	Sawing Concrete	LF	47,550.000	47,550.000
0156	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0158	740.0440	Incentive IRI Ride	DOL	16,793.000	16,793.000
0160	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,440.000	1,440.000
0162			HRS	2,500.000	2,500.000
J. U_				_,555.566	_,000.000

222.000

1,300.000

340.000

3,120.000

18,000.000

3,100.000

222.000

1,300.000

340.000

3,120.000

18,000.000

3,100.000

DAY

LF

LF

SY

SY

EACH

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2
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	REMOVING PAVEMENT BUTT JOINTS														
204.0105 204.0115															
CATEGORY	STA	- STA	LOCATION	REMOVING PAVEMENT BUTT JOINTS (SY)	REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)										
0010				, ,	, ,										
	418+00	- 418+60	BEGIN OVERLAY MATCH	176	86										
	425+35	- 425+95	STH 312 SB OFF-RAMP	99	58										
	464+36	- 465+08	464+70 SB MAINTENANCE CROSSOVER		85										
	526+10	- 526+70	MELBY SB ON-RAMP	98	54										
	550+43	- 551+03	MELBYSB OFF-RAMP	99	55										
	575+20	- 575+84	575+50 SB MAINTENANCE CROSSOVER	-	76										
	603+79	- 604+39	CTH OO SB ON-RAMP	100	61										
	616+40	- 617+00	END OVERLAY MATCH	169	85										
			PROJECT 1190-06-61 TOTALS	740	560										

HMA PAVEMENT OVERLAY QUANTITIES

	592+00 - 604+39	CTH OO SB ON-RAMP UNDISTRIBUTED	21 64	7 11	19 7	179 199	125 33	85 31	 1	1,125 		
	550+43 - 558+40	MELBYSB OFF-RAMP	13	4	12	111	76	54		700	-	-
	535+00 - 617+00	SB USH 53	621	158	713	4,859	2,790	2,860		7,075	9	2,050
	513+56 - 526+70	MELBYSB ON-RAMP	11	4	9	88	60	43		1,314		
	425+35 - 430+50	STH 312 SB OFF-RAMP	15	5	15	123	78	66		515		
0010	418+00 - 535+00	SB USH 53	906	231	1,026	7,041	4,139	4,110		9,171	14	2,925
ATEGORY	STA - STA	LOCATION	(TON)	(STA)	(TON)	(GAL)	(TON)	(TON)	(EACH)	(LF)	(MGAL)	(LF)
			3/4-INCH	SHOULDERS	PAVING	COAT	5 HT 58-34 S	4 SMA 58-34 V	VEHICLE	SHOULDER	WATER	4-INCH
			DENSE	SHAPING	WEATHER	TACK	PAVEMENT	PAVEMENT	TRANSFER	STRIPS		LINE PAIN
			AGGREGATE		HMA COLD		HMA	HMA	MATERIAL	RUMBLE		MARKING
			BASE							ASPHALTIC		TEMPORAR
			305.0110	305.0500	450.4000	455.0605	460.7245	460.8644	460.9000.S	465.0520	624.0100	643.3105

PREPARING AND STAKING

	211.0101	650.8000
	PREPARE FOUNDATION FOR ASPHALTIC PAVING	CONSTRUCTION STAKING RESURFACE REFERENCE
CATEGORY STA - STA LOCATION	(LS)	(LF)
0010		
418+00 - 535+00 SB USH 53		11,700
425+35 - 430+50 STH 312 OFF-RAMP		515
514+00 - 526+70 MELBY ON-RAMP	1	1,270
550+43 - 558+03 MELBYOFF-RAMP	•	760
535+00 - 617+00 SB USH 53		8,200
591+99 - 604+39 CTH OO ON-RAMP		1,240
PROJECT 1190-06-61 TOTALS	1	23,685

TRAFFIC CONTROL COVERING SIGNS

			NII IN ADED	643.0910	643.0920	
		NUMBER				
		OF	OF	TYPE I	TYPE II	
CATEGORY	LOCATION	CYCLES	SIGNS	(EACH)	(EACH)	REMARKS
0010		23				
	USH 53, NB	11		253	SPEED LIMIT 65 MPH	
	USH 53, SB	23	10		230	SPEED LIMIT 65 MPH
	SIGN NB-1	2	-	NB STAGE 1		
	SIGN NB-2	2	_	NB STAGE 1		
	SIGN NB-3	2	_	NB STAGE 1		
	SIGN NB-4	2	-	NB STAGE 1		
	SIGN SB-1	2	_	SB STAGE 1		
	SIGN SB-2	2	_	SB STAGE 1		
	SIGN SB-3	2	-	SB STAGE 1		
	SIGN SB-2	2	_	SB STAGE 2		
	SIGN SB-4	2	1	2	-	SB STAGE 2
	STH 93-SB USH 53 OFF RAMP	1	4	1	EXIT 86 SIGNS	
	STH 312-SB USH 53 OFF RAMP	1	4	3	1	EXIT 90 SIGNS
	CTH OO-NB USH 53 ON RAMP	1	1		1	TO STH 29
	WB STH 29-NB USH 53 ON RAMP	1	2	1	1	EXIT 75B SIGNS
	WB STH 29-SB USH 53 ON RAMP	1	1	-	1	EXIT 75A SIGNS
	UNDISTRIBUTED			9	12	

SAWING CURB HEAD

SPV.0090.001	
31 0.0030.001	

CATEGORY	STA	-	STA	LOCATION	O/S	(LF)						
0010												
	243+53	-	244+00	USH 53 SB	LT	47						
	198+56	-	199+49	USH 53 SB	LT	93						
	265+51	-	266+51	USH 53 NB	RT	100						
	251+66	-	252+66	USH 53 SB	LT	100						
PROJECT 1190-06-61 TOTALS 340												

RAPID CONCRETE PAVEMENT REPAIR & REPLACEMENT SPECIAL

						SPV.0180.001	ĺ			SPV.0180.002	416.0610	416.0620	465.0110	690.0150*	690.0250*	SPV.0090.002
						RAPID				RAPID						
			ESTIMATED			CONCRETE	ESTIMATED			CONCRETE						ASPHALTIC
			# OF			PAVEMENT	# OF			PAVEMENT	DRILLED	DRILLED	ASPHALTIC			MASTIC
			REPLACE	LT	RT	REPLACEMENT	REPAIR	LT	RT	REPAIR	TIE	DOWEL	SURFACE	SAWING	SAWING	JOINT
			AREAS	LANE	LANE	SPECIAL	AREAS	LANE	LANE	SPECIAL	BARS	BARS	PATCHING	ASPHALT	CONCRETE	SEALING
CATEGORY	STA - STA	LOCATION	EACH	SY	SY	(SY)	EACH	SY	SY	(SY)	(EACH)	(EACH)	(TON)	(LF)	(LF)	(LF)
0010	192+00 - 220+00	USH 53 NB - GOLF TO PINE LOG	2	-	205	205	-	-			44	38	3	136	452	60
		GOLF ROAD ON-RAMP TO USH 53 NB		-		_	5	16	29	45	10	88	1	41	163	
		BUS 53 NB OFF-RAMP FROM USH 53 NB	2	127	134	260	1	18		18	37	80	6	117	566	
		STH 93 NB OFF-RAMP FROM USH 53 NB	2	133	47	180	1	-	18	18	45	54	3	142	447	
	220+00 - 270+00		10	347	1,485	1,831	11	32	138	170	323	490	48	1,007	4,072	60
		STH 93 NB ON-RAMP TO USH 53 NB	2	-	152	152	2	-	30	30	36	80	3	117	425	30
		USH 53 NB OFF-RAMP TO USH 12	3	-	245	245	1	-	20	20	53	80	4	167	593	
		USH 53 NB ON-RAMP FROM USH 12	2	120	120	240	2	8	10	18	34	100	5	110	559	-
	270+00 - 355+00		9	476	594	1,070	23	85	226	311	197	760	29	653	3,126	-
		RIVER PRAIRIE ON-RAMP TO USH 53 NB		-	-	_		-								
		RIVER PRAIRIE OFF-RAMP FROM USH 53 NB		-	-	-	2	-	30	30		40	0	22	78	
	355+00 - 415+00	USH 53 NB - RIVER PRAIRIE TO STH 312	6	135	500	635	20	97	157	254	174	500	26	575	2,107	-
		STH 312 OFF-RAMP FROM USH 53 NB	1	-	170	170	6	-	60	60		140	3	152	566	
		STH 312 ON-RAMP TO USH 53 NB	3		285	285	-	-				60	4	177	628	15
	415+00 - 535+00	USH 53 NB - STH 312 TO MELBY	16	108	1,656	1,764	35	226	154	380	429	938	66	1,389	4,983	75
		MELBY OFF-RAMP FROM USH 53 NB	3	-	475	475	-	-				60	7	291	986	
		MELBY ON-RAMP TO USH 53 NB		_	_	-	-	-	-							
	535+00 - 618+00	USH 53 NB - MELBY TO CTH OO	14	140	939	1,079	15	120	135	255	245	690	39	792	3,176	350
		CTH OO OFF-RAMP FROM USH 53 NB		-		_	-	-								
		CTH OO ON-RAMP TO USH 53 NB	9	-	470	470	12	-	120	120		420	9	396	1,588	105
		USH 53 NB - CTH OO TO STH 29	5	-	220	220	1		18	18	51	110	4	165	603	
	645+00 - 679+00	USH 53 NB-STH 29 TO 40TH AVENUE	2	80	113	193	11	84	20	103	52	250	8	182	781	15
		NB TOTALS				9,474				1,850	1,732	4,978	268	6,630	25,898	710
	192+00 - 220+00	USH 53 SB - GOLF TO PINE LOG	1	_	50	50	2	_	33	33	18	55	1	59	201	_
		GOLF ROAD OFF-RAMP FROM USH 53 SB			_		1		10	10	2	19	0	9	35	
		BUS 53 ON-RAMP TO USH 53 SB	2	102	103	205	6	8	47	55	36	175	5	123	639	
	220+00 - 270+00		11	154	870	1,025	5		65	65	192	338	29	608	2,413	45
		CLAIREMONT ON-RAMP TO USH 53 SB		_	_										-,	
		STH 93 SB OFF-RAMP FROM USH 53 SB		_	l -	_	1		10	10		20	0	8	36	
		CLAIREMONT OFF-RAMP FROM USH 53 SB		_	_	_	_	_		_				-		
	270+00 - 355+00	USH 53 SB - CLAIREMONT TO RIVER PRAIRIE	13	335	1,018	1,353	27	65	250	315	277	824	41	909	3,833	110
		RIVER PRAIRIE ON-RAMP TO USH 53 SB	2		135	135	1	-	10	10		60	2	93	351	30
		RIVER PRAIRIE OFF-RAMP FROM USH 53 SB	1	_	50	50				-		20	1 1	32	124	
	355+00 - 415+00	USH 53 SB - RIVER PRAIRIE TO STH 312	13	280	1,118	1,398	26	92	204	295	320	730	50	1,031	3,872	210
		STH 312 ON-RAMP TO USH 53 SB	1		50	50	-					20	1	32	124	
		STH 312 OFF-RAMP FROM USH 53 SB	4	_	325	325	1		25	25		100	5	220	778	
	415+00 - 535+00	USH 53 - STH 312 TO MELBY	7	260	509	769	3	14	45	59	113	278	17	352	1,745	2,000
		MELBY ON-RAMP	1	_	175	175	1	_	10	10		40	3	115	396	-
		MELBY OFF-RAMP	2	_	125	125			18	18		60	2	81	296	
	535+00 - 618+00	USH 53 - MELBY TO CTH OO	19	508	832	1,340	3	25	29	54	192	615	30	620	3,239	-
		CTH OO ON-RAMP	1	_	75	75	-	_				20	1	47	171	15
		CTH OO OFF-RAMP		_	-	_	2	_	63	63		80	1 1	46	98	
	618+00 - 645+00	USH 53 SB - CTH OO TO STH 29	1	34	41	75	4	25	48	73	20	140	3	69	367	
		USH 53 SB -STH 29 TO 40TH AVENUE	5	440	935	1,375	8	65	90	155	198	378	30	616	2,933	
		SB TOTALS				8,526				1,250	1,367	3,972	222	5,070	21,652	2,410
		PROJECT 1190-06-61 TOTALS				18,000				3,100	3,100	8,950	490	11,700	47,550	3,120
	PROJECT 1190-06-61 TOTALS 18,000									-,	,	, -,	,	,	, , , , , , ,	

*ADDITIONAL QUANTITIES IN THE REMOVING PAVEMENT BUTT JOINTS TABLE

3

FINISHING ROADWAY

213.0100

618.0100

(EACH)

 CATEGORY
 LOCATION
 (EACH)

 0010
 PROJECT
 1

PROJECT 1190-06-61 TOTALS 1

MAINTENANCE AND REPAIR OF HAUL ROADS

LOCATION

PROJECT 1 1 PROJECT 1190-06-61 TOTALS 1

CATEGORY

0010

CONCRETE PAVEMENT APPROACH SLAB

204.0100 415.0410

651

REMOVING CONCRETE PAVEMENT

CATEGORY STA - STA LOCATION (SY) (SY) 667+48 - 669+80 B-9-247 226 226 675+17 - 677+38 B-9-229 123 123 666+61 - 668+91 B-9-246 164 164 674+50 - 676+71 B-9-228 138 138

PROJECT 1190-06-61 TOTALS

REMOVING SIGNS TYPE I

638.2601

PROJECT 1190-06-61 TOTALS 4

CATEGORY SIGN# CODE (EACH) NOTES REMARKS

0010

2R-1 E8-1 1 USE EXISTING POSTS SEQUENCE SIGN USH 12/RIVER PRAIRIE/STH 312
2R-2 E8-1 1 USE EXISTING POSTS SEQUENCE SIGN CTH AA/I-94
8R-1 E10-61 1 USE EXISTING POSTS HOSPITAL EXIT [000]
11R-1 E8-1 1 USE EXISTING POSTS SEQUENCE SIGN STH 312/RIVER PRAIRIE/USH12

PERMANENT SIGNING TYPE I

	SIGN SIGN V		;	SIGN SIZE X H	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS	637.1220 SIGNS TYPE I	POST	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS	MASONRY ANCILLARY	511.1140 SIGN SUPPORTS HS ANCILLARY STRUCTURES TYPE NS	531.2024 DRILLING SHAFT		
CATEGORY		CODE			(EACH)	(SF)	SHAFE	(LB)	(CY)	(LB)	(LF)	NOTES	REMARKS
0010					(- /	· /			(- /	(/	\ /		
	2-1	E8-1	288	X 90	-	180.00		-			-	REPLACE SIGN ON S-18-57	SEQUENCE SIGN USH 12/RIVER PRAIRIE/STH 312
	2-2	E8-1	180	X 66	-	82.50		-			-	REPLACE SIGN ON S-18-57	SEQUENCE SIGN CTH AA/L94
	3-1	E10-6	144	X 54		54.00	W6X15	390	1.6	142	13		HOSPITAL EXIT 89
	8-1	E10-6	144	X 54	1	54.00		-			-	USE EXISTING POSTS	HOSPITAL EXIT 89
	11-1	E8-1	288	X 90		180.00		_				REPLACE SIGN ON S-18-78	SEQUENCE SIGN STH 312/RIVER PRAIRIE/USH12
PF	OJEC.	Т 1190-0	6-61 T	OTALS	1	550.50		390	1.6	142	13		

NORTHBOUND TRAFFIC CONTROL SUMMARY (STAGE 1)

					643.0	643.0420		05	643.07		643.08		643.0900		643.1051	
						. \		WARNING LIGHTS				W			SIGNS PC	MS WITH
		APPROX.	DRU	MS	BARRICADI	ES TYPE III	TYPE	Α	TYPE	C	BOARDS		SIGNS		CELLULAR COMM	
		SERVICE	NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN	
CATEGORY	LOCATION	DAYS	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)
0010	USH 53 NB - GOLF TO PINE LOG	2	60	120	4	8	8	16	22	44	2	4	30	60	2	4
	GOLF ROAD ON-RAMP	2	56	112	4	8	2	4	36	72			16	32	1	2
	BUS 53 NB OFF-RAMP FROM USH 53 NB	2	46	92	2	4	2	4	12	24			5	10		
	STH 93 NB OFF-RAMP FROM USH 53 NB	2	82	164	6	12	12	24	26	52	2	4	19	38	2	4
	USH 53 NB - PINE LOG TO CLAIREMONT	8	46	368	2	16	2	16	12	96		-	5	40		
	STH 93 NB ON-RAMP TO USH 53 NB	2	25	50	2	4	2	4	10	20			3	6		
	USH 53 NB OFF-RAMP TO USH 12	3	46	138	2	6	2	6	12	36			5	15		
	USH 53 NB ON-RAMP FROM USH 12	2	31	62	1	2	2	4	16	32	2	4	14	28	2	4
	USH 53 NB - CLAIREMONT TO RIVER PRAIRIE	5	111	555	10	50	18	90	31	155	-		11	55	2	10
	RIVER PRAIRIE ON-RAMP TO USH 53 NB	2	46	92	2	4	2	4	12	24			5	10	-	
	USH 53 NB - RIVER PRAIRIE TO STH 312	5	92	460	7	35	14	70	28	140	2	10	20	100	2	10
	STH 312 OFF-RAMP FROM USH 53 NB	3	25	75	2	6	2	6	10	30			3	9		
	STH 312 ON-RAMP TO USH 53 NB	3	46	138	2	6	2	6	12	36			5	15		
	USH 53 NB - STH 312 TO MELBY 10 152 1,520 MELBY OFF-RAMP FROM USH 53 NB 4 25 100 USH 53 NB - MELBY TO CTH OO 6 115 690		152	1,520	11	110	22	220	36	360	2	20	24	240	2	20
			25	100	2	8	2	8	10	40			3	12		
			8	48	16	96	30	180	2	12	21	126	2	12		
	CTH OO ON-RAMP TO USH 53 NB 4 46 184		2	8	2	8	12	48			5	20				
	USH 53 NB - CTH OO TO STH 29	3 NB - CTH OO TO STH 29 3 59 177		1	3	2	6	16	48	2	6	14	42	2	6	
	USH 53 NB-STH 29 TO 40TH AVENUE 2 66 132			5	10	10	20	24	48	2	4	18	36	2	4	
	STAGE 1 I	NB TOTALS		5,229		348		612		1,485		64		894		76

SOUTHBOUND TRAFFIC CONTROL SUMMARY (STAGE 1 & 1A)

		643.030			643.0		643.07		643.07 WARNING I		643.08 ARRO		643.0	900	643.1 SIGNS PCI	
		APPROX.	DRUN	ИS	BARRICADES TYPE III				TYPE		BOAR		SIGN	NS	CELLULA	
		SERVICE	NUM. IN		NUM. IN	NUM. IN		NUM. IN		NUM. IN		NUM. IN			NUM. IN	
CATEGORY	LOCATION	DAYS	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)
0010	USH 53 SB - GOLF TO PINE LOG	2	60	120	4	8	8	16	22	44	2	4	27	54	2	4
	GOLF ROAD OFF-RAMP FROM USH 53 SB	2	25	50	2	4	2	4	10	20			3	6		
	BUS 53 ON-RAMP TO USH 53 SB	2	68	136	4	8	2	4	24	48	-		15	30		
	USH 53 SB - PINE LOG TO CLAIREMONT	6	82	492	6	36	12	72	26	156	2	12	19	114	2	12
	STH 93 SB OFF-RAMP FROM USH 53 SB	2	25	50	2	4	2	4	10	20			3	6		
	CLAIREMONT OFF-RAMP FROM USH 53 SB	1				-					-					
	USH 53 SB - CLAIREMONT TO RIVER PRAIRIE	7	117	819	9	63	18	126	32	224	2	14	22	154	2	14
	RIVER PRAIRIE ON-RAMP TO USH 53 SB	2	46	92	2	4	2	4	12	24			5	10		
	RIVER PRAIRIE OFF-RAMP FROM USH 53 SB	2	25	50	2	4	2	4	10	20	-		3	6		
	USH 53 SB - RIVER PRAIRIE TO STH 312	8	92	736	7	56	14	112	28	224	2	16	20	160		
	STH 312 ON-RAMP TO USH 53 SB	2	46	92	2	4	2	4	12	24			5	10		
	STH 312 OFF-RAMP FROM USH 53 SB	3	25	75	2	6	2	6	10	30	-		3	9		
	USH 53 - STH 312 TO MELBY	8	152	1,237	11	90	22	179	36	293	2	16	24	195	2	16
	MELBY ON-RAMP	2	46	92	2	4	2	4	12	24			5	10		
	MELBY OFF-RAMP	2	25	50	2	4	2	4	10	20			3	6		
	USH 53 - MELBY TO CTH OO	9	115	1,011	8	70	16	141	30	264	2	18	21	185	2	18
	CTH OO ON-RAMP	2	46	92	2	4	2	4	12	24			5	10		
	CTH OO OFF-RAMP	2	25	50	2	4	2	4	10	20			3	6		
	USH 53 SB - CTH OO TO STH 29	2	59	118	4	8	8	16	22	44	2	4	17	34	2	4
	USH 53 SB -STH 29 TO 40TH AVENUE 6				5	30	10	60	24	144	2	12	18	108	2	12
	STAGE 15	SB TOTALS		5,758		411		768		1,667		96		1,113		80

NORTHBOUND TRAFFIC CONTROL SUMMARY (STAGE 2)

		ADDDOV		643.0300 DRUMS		643.0420 BARRICADES TYPE III		705 LIGHTS	643.0715 WARNING LIGHTS TYPE C		643.0800 ARROW BOARDS		643.0900 SIGNS		643.1 SIGNS PC	MS WITH
		APPROX.		VIS				TYPE A						NS	CELLULA	RCOMM
		SERVICE	NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN		NUM. IN	
CATEGOR\		DAYS	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)
0010	USH 53 NB - GOLF TO PINE LOG													-		
	GOLF ROAD ON-RAMP	2	22	44	2	4			12	24			10	20	3	6
	BUS 53 NB OFF-RAMP FROM USH 53 NB	2	46	92	2	4	2	4	12	24	-		5	10	3	6
	STH 93 NB OFF-RAMP FROM USH 53 NB	2	46	92	5	10	8	16	21	42			6	12		
	USH 53 NB - PINE LOG TO CLAIREMONT	3	132	396	6	18	12	36	26	78	2	6	19	57	3	6
	STH 93 NB ON-RAMP TO USH 53 NB															_
	USH 53 NB OFF-RAMP TO USH 12								_							
	USH 53 NB ON-RAMP FROM USH 12	2														
•	USH 53 NB - CLAIREMONT TO RIVER PRAIRIE	4	202	808	9	36	18	72	32	128	2	8	22	88	3	12
	RIVER PRAIRIE OFF-RAMP															_
	RIVER PRAIRIE ON-RAMP						2		10				3			_
	USH 53 NB - RIVER PRAIRIE TO STH 312	3	152	456	7	21	14	42	28	84	2	6	20	60	3	6
	STH 312 OFF-RAMP FROM USH 53 NB								-		-					-
	STH 312 ON-RAMP TO USH 53 NB						2		10				3			
	USH 53 NB - STH 312 TO MELBY	2	272	544	11	22	22	44	36	72	2	4	24	48	3	6
	MELBY OFF-RAMP FROM USH 53 NB															
	MELBY ON-RAMP TO USH 53 NB						2		10				3			
	USH 53 NB - MELBY TO CTH OO	2	198	396	8	16	16	32	30	60	2	4	21	42	3	6
	CTH OO OFF-RAMP FROM USH 53 NB															_
	CTH OO ON-RAMP TO USH 53 NB						2		10				3			_
	USH 53 NB - CTH OO TO STH 29	-		-					_					-		-
	USH 53 NB-STH 29 TO 40TH AVENUE 2 66 132		5	10	10	20	24	48	2	4	18	36	3	6		
	STAGE 2		2,960		141		266		560		32		373		42	

SOUTHBOUND TRAFFIC CONTROL SUMMARY (STAGE 2 & 2A)

		APPROX.	643.0300 DRUMS		643.0		643.0 WARNING TYPE	LIGHTS	643.0 WARNING TYPI	LIGHTS	643.0 ARRO BOAF	OW	643.0° SIGN		643.1 SIGNS PC	MS WITH	
		-		IIVIO			–					เบอ	_	NO	CELLULAR COMM		
0.475.000	, LOCATION	SERVICE	NUM. IN	(5.4).0	NUM. IN	(D.A.).0	NUM. IN	(D.4.).0	NUM. IN	(D. 4.) ()	NUM. IN	(5.4).0	NUM. IN	(5.4)	NUM. IN	(5.4)	
CATEGOR		DAYS	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	SERVICE	(DAY)	
0010	USH 53 SB - GOLF TO PINE LOG	-		-					-					-	-	-	
	GOLF ROAD OFF-RAMP FROM USH 53 SB	-	-														
	BUS 53 ON-RAMP TO USH 53 SB	2	46	92	2	4	2	4	12	24	-	-	5	10	-	-	
	USH 53 SB - PINE LOG TO CLAIREMONT	2	48	96	3	6	6	12	20	40	2	4	16	32	2	4	
	CLAIREMONT ON-RAMP TO USH 53 SB																
	STH 93 SB OFF-RAMP FROM USH 53 SB													-			
	CLAIREMONT OFF-RAMP FROM USH 53 SB								-								
	USH 53 SB - CLAIREMONT TO RIVER PRAIRIE	4	48	192	3	12	6	24	20	80	2	8	16	64	2	8	
	RIVER PRAIRIE ON-RAMP TO USH 53 SB																
	RIVER PRAIRIE OFF-RAMP FROM USH 53 SB			_										_			
	USH 53 SB - RIVER PRAIRIE TO STH 312	4	48	192	3	12	6	24	20	80	2	8	16	64	2	8	
	STH 312 ON-RAMP TO USH 53 SB																
	STH 312 OFF-RAMP FROM USH 53 SB																
	USH 53 - STH 312 TO MELBY	7	152	1,081	11	78	22	156	36	256	2	14	24	171	2	14	
	MELBY ON-RAMP			-													
	MELBY OFF-RAMP			_					_								
	USH 53 - MELBY TO CTH OO	7	115	789	8	55	16	110	30	206	2	14	21	144	2	14	
	CTH OO ON-RAMP																
	CTH OO OFF-RAMP																
	USH 53 SB - CTH OO TO STH 29	2	59	118	4	8	8	16	22	44	2	4	17	34	2	4	
	USH 53 SB -STH 29 TO 40TH AVENUE	6	56	336	4	24	8	48	22	132	2	12	17	102	2	12	
		SB TOTALS		2,896		199		394		862		64		621		64	

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J

					KAI I IC CONT	1102 001111117411	Y (RAMP CLOSUF	RES)															
				643.0300	643.	.0420	643.0705	643.0715	643.080		643.0900	643.1051				STAGE		.0045.001 AL SPEED	TRA	** FFIC CONTR	OI DIGIT.	** AL SPEED	
	:		APPROX.	DRUMS	BARRICAD	DES TYPE III	WARNING LIGHTS TYPE A	WARNING LIGHT	TS ARRON BOARD		SIGNS	SIGNS PCMS WIT				DURATIO		TION SYSTE		GIGNS PCMS		TRAILER	_
	•		SERVICE	NUM. IN	NUM. IN	N	IUM. IN	NUM. IN	NUM. IN	N	NUM. IN	NUM. IN			Location S	tage (DAY)	NO.	DAY	N	O. DAY	NO.	DAY	-
	CATEGORY 0010	LOCATION STH 93 SB OFF-RAMP FROM USH 53	DAYS SR 1	SERVICE (DAY	·	(DAY) S	ERVICE (DAY)	SERVICE (DA	Y) SERVICE	(DAY) S	SERVICE (DAY) 42 42	SERVICE (DA)		0010	USH 53 NB	1 78	1	78		1 78	9	702	
-		RIVER PRAIRIE SB ON-RAMP	1	25 25		5	4 4	4 4	_		6 6	2 16			USH 53 SB	1 78	1	78		1 78	10	780	-
		STH 312 NB ON-RAMP STH 312 SB OFF-RAMP	1 2	25 25 25 50		5 10	4 4 4 8	4 4 8			56 56 49 98	2 16 2 18			STAGE 1 SUE	BTOTAL		156		156		1482	
٦١	_	MELBYNB OFF-RAMP	1	25 25		5	4 4	4 4			6 6	2 16			USH 53 NB	2 33	1	33		1 33	9	297	
3		CTH OO NB ON-RAMP WB STH 29 NB ON-RAMP	1 6	25 25 25 150		5 30	4 4 4 24	4 4 4 24			49 49 37 222	2 16 2 26			USH 53 SB	2 33	1	33		1 33	10	330	
	_	WB STH 29 SB ON-RAMP	11	25 275		55	4 24	4 24			41 451	2 36			STAGE 2 SUE	BTOTAL		66		66		627	
		RAMP C	LOSURE TOTALS	600		120	96	28	;	-	257	98		PROJEC	T 1190-06-61 T	ОТА		222					•
			UNDISTRIBUTED	1,35	7	181	214	249	9	34	392	90											
		PROJECT 119	0-06-61 TOTALS	18,80	10	1,400	2,350	4,85	50	290	3,650	450		<u>NOTE:</u> **NON-B	ID ITEM ITEMS	AND QUANTIT	ES LISTED FO	R BID INFO	RMATION O	NI Y			
		T NODEOT TH	70-00-01 TOTALO	10,00		1,400	2,550	4,00	,,,	230	5,555	400					D REDUCTION		1447, 111014 0				
⊢							I																
		BASIC TRAFFIC QUE	JE WARNING SY	STEM																			
		1		643.1205.S												BARRIER	SYSTEM GRAD	ING SHAPIN	NG FINISHIN	IG (614.0010)			
			ASHING PORTAI EACON TRAFF	BLE BASIC QUEUI FIC WARNING	E																	SEE	EDING
		S	SIGNS SENSO	RS SYSTEM				тр	AFFIC CONTROL I	INTEDIMIA	ME CLOSUDE						OUT		TODOO		NO TABLE		KTURE
		Category Location Stage (FBS) (PTS) (DAY)			1	IK	ALLIC CONTROL					STA -	STA LO	CATION	O/S (CY)			IL MULCHI (SY)			O. 30 CWT)
		USH 53 NB 1	3 3	78						643.	.4100									, ,	,		
		USH 53 SB 1	3 3 STAGE 1 SUBTO	78 TAL 156	_		<u>C</u>	CATEGORY	LOCATION	(EA	ACH) REMA	ARKS		215+58'NB' - 226+99'NB' -	217+08'NB' US 228+50'NB' US		RT 1 RT 4	16 38	75 140	75 140	0.0		1 2
			CIACL TOODIC	TAL 100				0010	USH 53, NB	1.	16 ONE CLOSUF	RE PER DAY		231+14'NB' -	233+89'NB' US	H 53 NB	RT 1	91	350	350	0.2		6
		USH 53 NB 2 USH 53 SB 2	3 3	33 33					USH 53, SB		16 ONE CLOSU			277+08'ON' - 295+26'NB' -	278+70'ON' US 297+01'NB' US		RT 9	6 25	50 95	50 95	0.0		1
			STAGE 2 SUBTO				_	PROJE	CT 1190-06-61 TO	TALS 2	32			215+44'SB' -	217+44'SB' US	H 53 SB	LT 2	18	75	75	0.0	5	1
		LIGHTS AID	2 2		<u>—</u>									337+97'SB' -	338+85'SB' US	H 53 SB	LT 2	6	45	45	0.0	3	1
		USH 53 NB 3 USH 53 SB 3	3 3 3	5 5										PROJE	CT 1190-06-61	TOTALS	20	201	830	830	0.5	3	14
		•	STAGE 3 SUBTO	TAL 10										*TABLE FOR IN	FORMATION OF	NLY, ITEMS PAI	D AS PART OF E	BARRIER SY	YSTEM GRA	DING SHAPIN	G FINISHING I	TEM	
		PROJECT 1190-06-61 TOTALS		232	_											,							
_ -																							
				DELINEATORS																			
			204.0180	DELINEATORS 633.0100	633.0500	633.1000	614.0952	2 SPV.0060.	001					TEMPORARY	MARKING LINI	REMOVABL	E TAPE 6-INCH						
			204.0180		633.0500	633.1000	614.0952							TEMPORARY			E TAPE 6-INCH	l					
					633.0500	633.1000		REMOVIN RAISED	NG)					TEMPORARY	643.	3180	E TAPE 6-INCH	ı					
			REMOVING	633.0100			REPLACIN	REMOVIN RAISED IG PAVEMEI	NG) NT			CATEGO	NPV		643.	3180 ITE							
			REMOVING DELINEATORS AND	633.0100 DELINEATOR [POSTS R	DELINEATOR EFLECTORS	DELINEATOR BARRIER	REPLACIN S GUARDRA REFLECTO	REMOVIN RAISED IG PAVEMEI NIL MARKER IRS AND FILLII	NG) NT RS NG			<u>CATEGO</u> 0010		LOCATION	643. WH (L	3180 IITE F)	REMA	RKS					
Ī	CATEGORY	STAGE STATION TO STATION	REMOVING DELINEATORS AND MARKERS	633.0100 DELINEATOR L POSTS R STEEL (WH	DELINEATOR EFLECTORS ITE) (YELLOW)	DELINEATOR BARRIER) WALL	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED IG PAVEMEI IIL MARKER AND FILLII VOIDS	NG) NT SS NG					LOCATION USH 53, NB	643. WH (L	3180 ITE F) WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010		REMOVING DELINEATORS AND	633.0100 DELINEATOR L POSTS R STEEL (WH	DELINEATOR EFLECTORS	DELINEATOR BARRIER	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED IG PAVEMEI NIL MARKER IRS AND FILLII	NG) NT SS NG					LOCATION	643. WH (L 2,4 2,3	3180 IITE F) 25 WB STH 50 WB STH	REMA	RKS ON RAMP (
	0010	STAGE 3	REMOVING DELINEATORS AND MARKERS	633.0100 DELINEATOR L POSTS R STEEL (WH	DELINEATOR EFLECTORS ITE) (YELLOW)	DELINEATOR BARRIER) WALL	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED IG PAVEMEI IIL MARKER AND FILLII VOIDS	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE	643. WH (L 2,4 2,3 D 22	3180 IITE F) 25 WB STH 50 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB	REMOVING DELINEATORS AND MARKERS (EA)	633.0100 DELINEATOR E POSTS R STEEL (WH (EA) (E	DELINEATOR LEFLECTORS LITE) (YELLOW, A) (EA)	DELINEATOR BARRIER WALL (EA)	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED PAVEMEI MARKER AND FILLIN (EA) 22 130	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB	643. WH (L 2,4 2,3 D 22	3180 IITE F) 25 WB STH 50 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010	STAGE 3 USH 53 NORTHBOUND	REMOVING DELINEATORS AND MARKERS (EA)	633.0100 DELINEATOR E POSTS R STEEL (WH (EA) (E	DELINEATOR IEFLECTORS IITE) (YELLOW) A) (EA)	DELINEATOR BARRIER) WALL (EA)	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED PAVEMEIN MARKER MARKER AND FILLII VOIDS (EA)	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE	643. WH (L 2,4 2,3 D 22	3180 IITE F) 25 WB STH 50 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55	633.0100 DELINEATOR E POSTS R STEEL (WH (EA) (E	DELINEATOR JEFLECTORS JEFLEC	DELINEATOR BARRIER WALL (EA) 12 10	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED PAVEMEI ILL MARKER AND FILLII VOIDS (EA) 22 130 12 106 6 55 6 153	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE	643. WH (L 2,4 2,3 D 22	3180 IITE F) 25 WB STH 50 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37	633.0100 DELINEATOR R POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 22	DELINEATOR LEFLECTORS LITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2	DELINEATOR BARRIER WALL (EA) 12 10	REPLACINS GUARDRA REFLECTO (WHITE) (YE	REMOVIN RAISED PAVEMENT RESELLOW) (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE	643. WH (L 2,4 2,5 D 22 TOTALS 5,0	3180 ITTE F) -25 WB STH 25 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46	633.0100 DELINEATOR POSTS REEL (WH (EA) (E (EA) (EA)	DELINEATOR LEFLECTORS LITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2	DELINEATOR BARRIER) WALL (EA) 12 10 21	REPLACINS GUARDRA REFLECTO (WHITE) (YE (EA)	REMOVIN RAISED PAVEMEI MARKER RS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61	643.: WH (L 2,4 2,3 D 22 TOTALS 5,0	3180 IITE F) -25 WB STH	REMA 129 NB USH 53 129 SB USH 53	RKS ON RAMP (ON RAMP (CLOSURE	000 455	200 150		
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17	633.0100 DELINEATOR R POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 22	DELINEATOR LEFLECTORS LITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2	DELINEATOR BARRIER WALL (EA) 12 10 21	REPLACINS GUARDRA REFLECTO (WHITE) (YE (EA)	REMOVIN RAISED PAVEMENT RESELLOW) (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE	643. WH (L 2,4 2,5 D 22 TOTALS 5,0	3180 ITTE F) -25 WB STH 25 WB STH	REMA 1 29 NB USH 53	RKS ON RAMP (ON RAMP (628.1504	628.1520)	
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10	633.0100 DELINEATOR POSTS REL (WH (EA) (E	DELINEATOR REFLECTORS IITE) (YELLOW, A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5	DELINEATOR BARRIER) WALL (EA) 12 10 21 9	REPLACINS GUARDRA REFLECTO (WHITE) (YE (EA)	REMOVIN RAISED PAVEMEI MARKERS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61	643.: WH (L 2,4 2,3 D 22 TOTALS 5,0 GUARDR.: 614.0010 BARRIER SYSTEM	3180 IITE F) 25 WB STH 25 WB STH 25 000 All ITEMS 614.0305	REMA 1 29 NB USH 53 1 29 SB USH 53 614.0370 STEEL PLA BEAM GUAF	RKS ON RAMP (ON RAMP (614 TE RD ANCHO	.0115 DRAGES	628.1504	628.1520		
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2	DELINEATOR EFLECTORS ITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5	DELINEATOR BARRIER) WALL (EA) 12 10 21 9	REPLACINS GUARDRA REFLECTO (WHITE) (YE (EA)	REMOVIN RAISED PAVEMEIN MARKER MRS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56	NG) NT SS NG					LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61	643.: WH (L 2,4 2,3 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING	3180 IITE F) 25 WB STH 25 WB STH 26 100 AIL ITEMS 614.0305	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY	RKS ON RAMP (ON RAMP (614 TE RD ANCHC FOR:	.0115 DRAGES STEEL	628.1504			
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 55 39 4 20 2 16 20 10 10 10 10 10 10 10 10 10 10 10 10 10	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14	DELINEATOR BARRIER WALL (EA) 12 10 21 9 9	REPLACINS S GUARDRA REFLECTO (WHITE) (YE (EA) 17 6 3 6 8	REMOVIN RAISED PAVEMEIN MARKER MRS (EA) VOIDS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56	NG O O O O O O O O O O O O O O O O O O O			0010	PRO	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 ITTE F) 25 WB STH 25 WB STH 25 OO AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY D ABSORBIN TERMINAL	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM D TYPE 2	SILTFENCE	SILT FENO MAINTENAN	CE ICE	
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2	DELINEATOR EFFLECTORS IITE) (YELLOW, A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14 2 4	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 7 5	REPLACINS GUARDRA REFLECTO (WHITE) (YE (EA)) 17 6 3 6 8	REMOVIN RAISED PAVEMENT NAISED	NG NT SS NG CATEG		sta - STA			LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR.: 614.0010 BARRIER SYSTEM GRADING SHAPING	3180 IITE F) 225 WB STH 250 WB STH 250 AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLAI BEAM GUAF E ENERGY D ABSORBIN	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM		SILTFENO	CE ICE	CRIPTION
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2 16 2 12 1 25 2 28 4 51 6 43 55 144 1	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 7 5 21	REPLACINS S GUARDRA REFLECTO (WHITE) (YE (EA) 17 6 3 6 8 15 20 3 2	REMOVIN RAISED PAVEMEI MES (EA) VOIDS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 15 102 9 83 6 150 4 137 9 50	NG O O O O O O O O O O O O O O O O O O O	10 215+	-58'NB' - 217+08'NB'	LOCATION USH 53 NB	PRO. O/S	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 ITTE F) 25 WB STH 25 WB STH 25 OO AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY D ABSORBIN TERMINAL	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330	SILT FENO MAINTENAN	CE ICE	CRIPTION
	0010	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49	633.0100 DELINEATOR R POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2 12 1 25 2 28 4 51 6 43 5	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 7 5 21	REPLACINS S GUARDRA REFLECTO (WHITE) (YE) (EA) 17 6 3 6 8	REMOVIN RAISED PAVEMENT NAISED	NG NT SS NG CATEG	10 215+5 226+9	-58'NB' - 217+08'NB' -99'NB' - 228+50'NB'	LOCATION USH 53 NB USH 53 NB	PRO. O/S RT RT	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL (LF) 50 50	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 IITE F) 25 WB STH 25 WB STH 26 OO AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100 100	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY D ABSORBIN TERMINAL	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330 285	SILT FENO MAINTENAN (LF) 330 285	CE ICE DESCI	
	0010	USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB 656+53 SB - 698+09 SB GOLF ROAD NW RAMP	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17 10	633.0100 DELINEATOR POSTS REL (WH (EA)) 7 1 37 5 20 3 52 5 39 4 20 2 216 22 28 4 43 14 11 14 1	DELINEATOR EFLECTORS IITE) (YELLOW, A) (EA) 4 8 5 15 11 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14 2 4 5 2 6 2 9 3	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 5 21 5	REPLACINS S GUARDRA REFLECTO (WHITE) (YE (EA) 17 6 3 6 8 15 20 3 2 4 7	REMOVIN RAISED PAVEMENT (IL MARKER AND FILLIN VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 16 52 15 102 9 83 6 150 4 137 9 50 5 58	NG NT SS NG CATEG	10 215+{ 226+{ 231+	-58'NB' - 217+08'NB'	LOCATION USH 53 NB USH 53 NB USH 53 NB	PRO.	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL (LF) 50	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 IITE F) 25 WB STH 50 WB STH 25 IOO AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY D ABSORBIN TERMINAL	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330	SILT FENO MAINTENAN (LF)	CE ICE DESCI	CRIPTION_
	0010	USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB 656+53 SB - 698+09 SB GOLF ROAD NW RAMP 185+17 GNW - 195+14 GNW	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2 16 2 12 1 25 2 28 4 51 6 43 55 144 1	DELINEATOR EFLECTORS IITE) (YELLOW, A) (EA) 4 8 5 15 11 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14 2 4 5 2 6 2 9 3	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 7 5 21	REPLACINS S GUARDRA REFLECTO (WHITE) (YE) (EA) 17 6 3 6 8	REMOVIN RAISED PAVEMEI MES (EA) VOIDS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 15 102 9 83 6 150 4 137 9 50	NG NT SS NG CATEG	10 215+5 226+5 231+ 277+6 295+2	-58'NB' - 217+08'NB' -99'NB' - 228+50'NB' -14'NB' - 233+89'NB' 08'ON' - 278+70'ON' -26'NB' - 297+01'NB'	LOCATION USH 53 NB USH 53 NB USH 53 NB USH 53 ON-RA	PRO. O/S RT RT RT RT RT RT RT RT RT R	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL (LF) 50 50 57 50 50	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 IITE F) 25 WB STH 25 WB STH 25 000 AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100 100 270.5 112.5 125	REMAI 129 NB USH 53 129 SB USH 53 110 SB USH 53	RKS ON RAMP (ON RAMP (614 TE RD ANCHO FOR: G PLATE GUARE	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330 285 270 315 350	SILT FENC MAINTENAN (LF) 330 285 270 315 350	CE ICE DESCI	
	0010	USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB 656+53 SB - 698+09 SB GOLF ROAD NW RAMP	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17 10	633.0100 DELINEATOR POSTS REL (WH (EA)) 7 1 37 5 20 3 52 5 39 4 20 2 216 22 28 4 43 14 11 14 1	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5 5	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 5 21 5	REPLACINS S GUARDRA REFLECTO (WHITE) (YE (EA) 17 6 3 6 8 15 20 3 2 4 7	REMOVIN RAISED PAVEMENT (IL MARKER AND FILLIN VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 16 52 15 102 9 83 6 150 4 137 9 50 5 58	CATEG	215+; 226+; 231+; 277+(295+; 215+;	-58'NB' - 217+08'NB' -99'NB' - 228+50'NB' -14'NB' - 233+89'NB' 08'ON' - 278+70'ON'	LOCATION ' USH 53 NB	PRO. O/S RT	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL (LF) 50 50 57 50 50 7	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 IITE F) 25 WB STH 150 WB STH 25 OOO AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100 100 270.5 112.5	REMAI 129 NB USH 53 129 SB USH 53 614.0370 STEEL PLA' BEAM GUAF E ENERGY D ABSORBIN TERMINAL	RKS ON RAMP (ON RAMP (TE RD ANCHO FOR: G PLATE L GUARL (EA	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330 285 270 315	SILT FENC MAINTENAN (LF) 330 285 270 315	CE ICE DESCI	
	0010	USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB 656+53 SB - 698+09 SB GOLF ROAD NW RAMP 185+17 GNW - 195+14 GNW	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17 10 6	633.0100 DELINEATOR POSTS R STEEL (WH (EA) (E 7 1 37 5 20 3 52 5 39 4 20 2 16 2 12 1 25 2 28 4 51 6 43 5 14 1 14 1	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14 2 4 5 2 6 2 9 3 3 06 94	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 5 21 5	REPLACINS S GUARDRA REFLECTO (WHITE) (YE (EA) 17 6 3 6 8 15 20 3 2 4 7	REMOVIN RAISED PAVEMEI MEN MARKER AND FILLII VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 16 52 15 102 9 83 6 150 4 137 9 50 5 58	CATEG	215+; 226+; 231+; 277+(295+; 215+;	-58'NB' - 217+08'NB' -99'NB' - 228+50'NB' -14'NB' - 233+89'NB' -08'ON' - 278+70'ON' -26'NB' - 297+01'NB' -44'SB' - 217+44'SB'	USH 53 NB USH 53 SB USH 53 SB	PRO. O/S RT LT	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE JECT 1190-06-61 204.0165 REMOVING GUARDRAIL (LF) 50 50 57 50 50 7	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING	3180 IITE F) 25 WB STH 25 WB STH 25 000 AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100 100 270.5 112.5 125 200	REMAI 129 NB USH 53 129 SB USH 53 110 SB USH 53	RKS ON RAMP (ON RAMP (TE RD ANCHC G PLATE GUARE (EA	.0115 DRAGES STEEL E BEAM D TYPE 2 ACH) 1	SILT FENCE (LF) 330 285 270 315 350 200	SILT FENC MAINTENAN (LF) 330 285 270 315 350 200	CE ICE DESCI	
	0010 <u>\$</u>	STAGE 3 USH 53 NORTHBOUND 200+94 NB - 268+94 NB 268+94 NB - 352+59 NB 352+59 NB - 416+61 NB 416+61 NB - 535+19 NB 535+19 NB - 619+92 NB 619+92 NB - 656+07 NB 656+07 NB - 699+35 NB USH 53 SOUTHBOUND 191+93 SB - 195+15 SB 195+15 SB - 268+93 SB 268+93 SB - 352+65 SB 352+65 SB - 416+90 SB 416+90 SB - 535+61 SB 535+61 SB - 620+39 SB 620+39 SB - 656+53 SB 656+53 SB - 698+09 SB GOLF ROAD NW RAMP 185+17 GNW - 195+14 GNW	REMOVING DELINEATORS AND MARKERS (EA) 25 47 37 55 46 17 10 25 48 43 60 49 17 10 6 495	633.0100 DELINEATOR POSTS TEEL (EA) 7 1 37 5 20 3 52 5 39 4 20 2 2 16 22 16 22 12 1 25 2 28 4 51 66 43 51 44 1 14 1 1 1 7 8 8 385 50	DELINEATOR REFLECTORS IITE) (YELLOW) A) (EA) 4 8 5 15 1 14 9 4 6 2 9 2 7 5 5 7 8 12 2 14 2 4 5 2 6 2 9 3 06 94 600	DELINEATOR BARRIER) WALL (EA) 12 10 21 9 5 21 5 5	REPLACIN S GUARDRA REFLECTO (WHITE) (YE (EA)) 17 6 3 6 8 15 20 3 2 4 7	REMOVIN RAISED PAVEMEIN MARKER MRS (EA) VOIDS (EA) VOIDS (EA) 22 130 12 106 6 55 6 153 4 116 3 52 12 56 15 102 9 83 6 150 4 137 9 50 5 58	CATEG	10 215+; 226+; 231+; 277+; 295+; 215+; 337+;	-58'NB' - 217+08'NB' -99'NB' - 228+50'NB' -14'NB' - 233+89'NB' 08'ON' - 278+70'ON' -26'NB' - 297+01'NB' -44'SB' - 217+44'SB' -97'SB' - 338+85'SB'	USH 53 NB USH 53 SB USH 53 SB	O/S RT RT RT RT LT LT	LOCATION USH 53, NB USH 53, SB UNDISTRIBUTE 204.0165 REMOVING GUARDRAIL (LF) 50 50 57 50 50 7 50	643.: WH (L 2,4 2,5 D 22 TOTALS 5,0 GUARDR. 614.0010 BARRIER SYSTEM GRADING FINISHING (EACH) 1 1 1 1 1 1 7	3180 IITE F) 25 WB STH 25 WB STH 25 1000 AIL ITEMS 614.0305 STEEL PLAT BEAM GUAR CLASS A (LF) 100 270.5 112.5 125 200 37.5 945.5	REMAI 129 NB USH 53 129 SB USH	RKS ON RAMP (ON RAMP (TE RD ANCHC G PLATE GUARE (EA	.0115 DRAGES STEEL E BEAM D TYPE 2	SILT FENCE (LF) 330 285 270 315 350 200 205	SILT FENC MAINTENAN (LF) 330 285 270 315 350 200 205	CE ICE DESCI	

TRAFFIC CONTROL SUMMARY (RAMP CLOSURES)

DIGITAL SPEED REDUCTION SYSTEM

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							WARKING													
	64	6.2020	646.2025	6	646.2040	646.2050	646.4020	646	5.4040	646.4720	646.4820	646.5020	646.5120	646.5420	646.6120	646.6466	646.8020	646.8120	646.8220	0 646.900
		POXY -INCH WHITE	GROOVED EPOXY 6-INCH BLACK	RE	OOVED WET EF EPOXY 6-INCH HITE WHITE	GROOVED PERMANENT TAPE 6-INCH WHITE	EPOXY 10-INCH WHITE	EPOXY	D WET REF / 10-INCH HITE	SAME EPG	E DAY OXY	MARKING ARROW EPOXY	MARKING WORD	MARKING AERIAL ENFORCEMEN BAR	MARKING STOP T LINE EPOXY	G COLD WEATHER MARKING EPOXY	MARKING CORRUGATEI MEDIAN	MARKING D CURB EPOXY	NOSE	MARKIN REMOV
		P 12.5' SEG, 25' GAP			OLID 3' SEG, 9' GAP	12.5' SEG, 25' GAP	SOLID	SOLID	3' SEG, 9' GAP		10-INCH	(TYPE 2) (TYPE		EPOXY	18-INCH	6-INCH	EPOXY) (YELLOW	
CATEGORY STAGE STATION TO STATION	(LF)	(LF)	(LF)		LF) (LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH) (EAC		(EACH)	(LF)	(LF)	(SF)	`(LF)	(EACH)	
0010																				
STAGE 3																				
<u>USH 53 NORTHBOUND</u> 200+94 NB - 268+94 NB			2,270	6,811 6,	633 90	2,270		2,600	411							6,722				13,444
268+94 NB - 352+59 NB			2,270		256 50	2,270		2,553	460							8,315				16,63
352+59 NB - 416+61 NB	275	275	1,325		562 90	1,325	560	1,176						10		6,487				12,973
416+61 NB - 535+19 NB			2,965		,784 50	2,965		2,386								11,826				23,65
535+19 NB - 619+92 NB			2,120	8,483 8,	335 60	2,120		2,989	102							8,409				16,81
619+92 NB - 656+07 NB			910		605 105	910		1,040	633							3,616				7,232
656+07 NB - 699+35 NB			1,050	4,203 4,	051	1,050		1,774	52							4,127				8,254
USH 53 SOUTHBOUND																				
191+93 SB - 195+15 SB			85			85		322								162	_			324
195+15 SB - 268+93 SB			2,700		209	2,700		2,638	666							7,297				14,59
268+93 SB - 352+65 SB			2,095		227 45	2,095		2,507	193							8,300				16,60
352+65 SB - 416+90 SB			1,610		349 50	1,610		2,025			0.407			10		6,387				12,77
416+90 SB - 535+61 SB			2,970 2,120		,054	2,970 2,120		1,899	208 84	26,654	2,127 2,174					11,967 8,460				23,933 16,92
535+61 SB - 620+39 SB 620+39 SB - 656+53 SB			900	3,614 3,	442 477	900		2,511 1,434	402	18,345	2,174					3,546				7,091
656+53 SB - 698+09 SB			1,075		181	1,075		921	555							4,232				8,464
GOLF ROAD NW RAMP 185+17 GNW - 195+14 GNW			225	676 9	96	225		321								836				1,672
			223	010 3		223		321								000				1,072
USH 12 RAMPS (STH 93)				0.004	040 400			044								0.000				
NB OFF RAMP					943 160			914 571								2,922	400			5,844
SB ON RAMP SB OFF RAMP					195 113			124								1,120 1,087	400 			2,239 2,174
NB ON RAMP			210		311	210		50								784				1,567
RIVER PRAIRIE RAMPS																				
NB OFF RAMP (SE RAMP)				953 1,	005			568				4 2	2		56	979				1,958
SB ON RAMP (SW RAMP)					'86			50				4 2				768				1,535
SB OFF RAMP (NW RAMP)					183			459				6	3		50	966				1,932
NB ON RAMP (NE RAMP)			130		20	130		50								912				1,823
STH 312 RAMPS																				
NB OFF RAMP (SE RAMP)				1,211 1,	209			970				4 2	2		46	1,210				2,420
SB ON RAMP (SW RAMP)					985			50								959				1,917
SB OFF RAMP (NW RAMP)					032			367				2	1		30	1,050				2,100
NB ON RAMP (NE RAMP)					091			50								1,127				2,253
MELBY STREET RAMPS																				
NB OFF RAMP (SE RAMP)				1,053 1,	069			275				2	1		40	1,061				2,122
SB ON RAMP (SW RAMP)					'86											786				1,572
SB OFF RAMP (NW RAMP)					401			270				2	1		42	1,431				2,861
NB ON RAMP (NE RAMP)					138			50								1,128				2,255
CTH OO RAMPS																				
NB OFF RAMP (SE RAMP)				2,053 2,	057			574				4	2		40	2,055				4,110
SB ON RAMP (SW RAMP)					652											1,657				3,314
SB OFF RAMP (NW RAMP)			120	1,679 1,		120		648				6	3		46	1,657		10	1	3,313
NB ON RAMP (NE RAMP)				1,603 1,				50								1,607				3,214
STAGE 3 TOTAL	275	275	27,150	126,320 125	5,580 700	27,150	560	35,186	3,764	45,000	4,300	30 4	15	20	350	125,950	400	10	1	251,90
		075	27.450	126,320 125	5,580 700	27,150	560	35,186	3,764	45.000	4 200	30 4	15	20	350	125,950	400	10	1	251,90
PROJECT 1190-06-61 TOTALS	275	275	27,150	120,320 123	,560 100	27,130	300	35,100	3,764	45,000	4,300	4	10	20	330	123,330	400	10		201,00

MARKING LINE

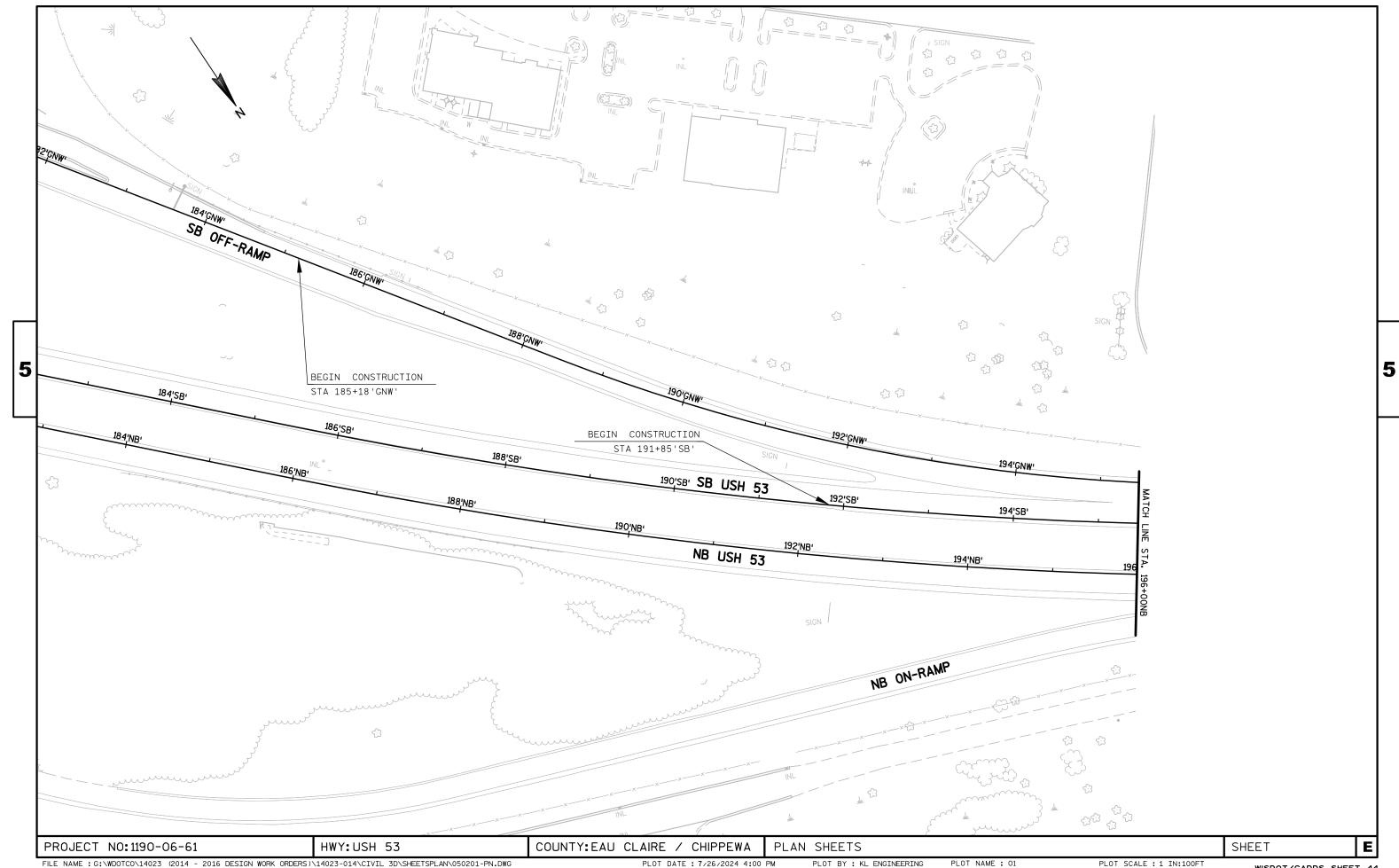
PROJECT NO: 1190-06-61

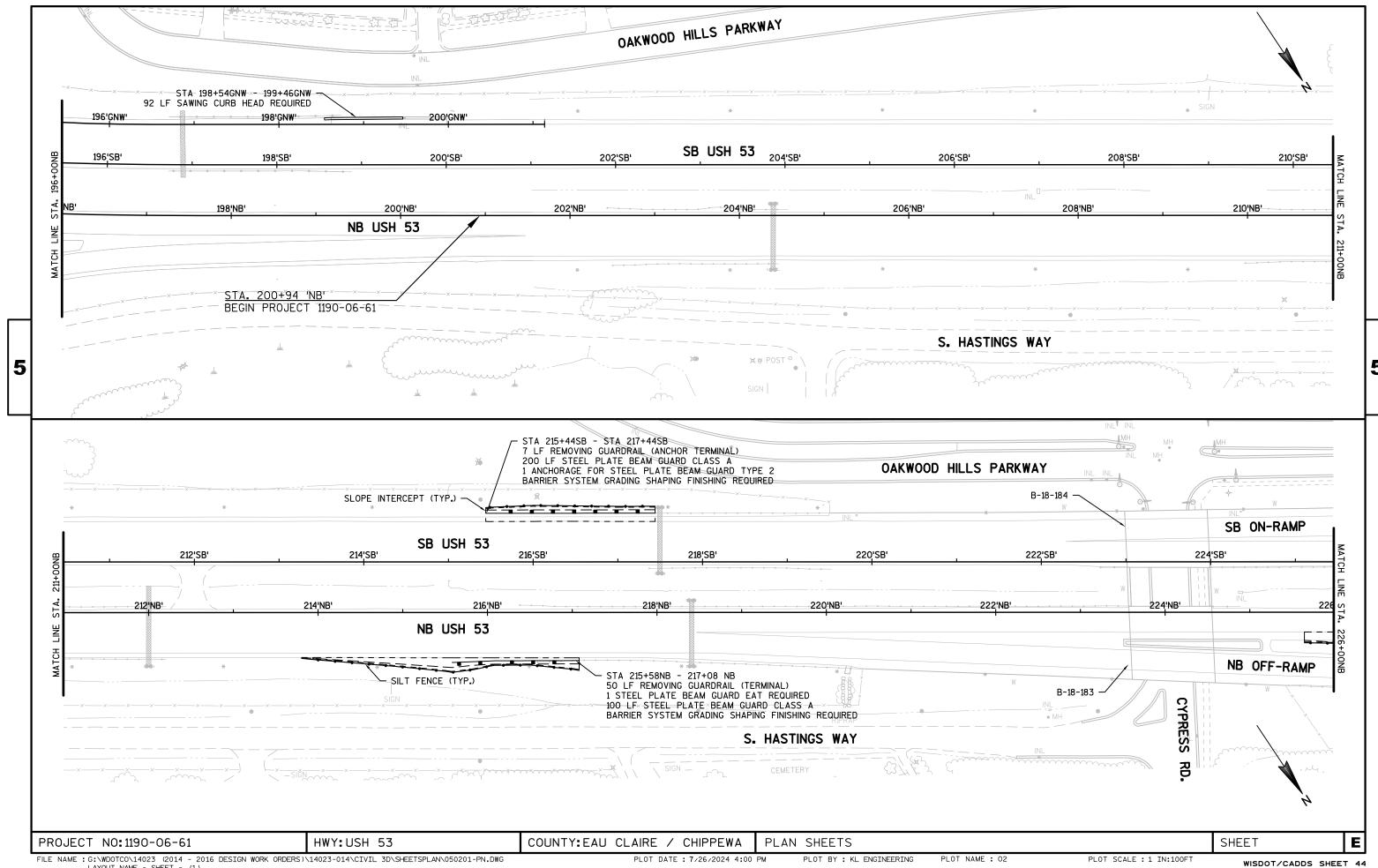
HWY: USH 53

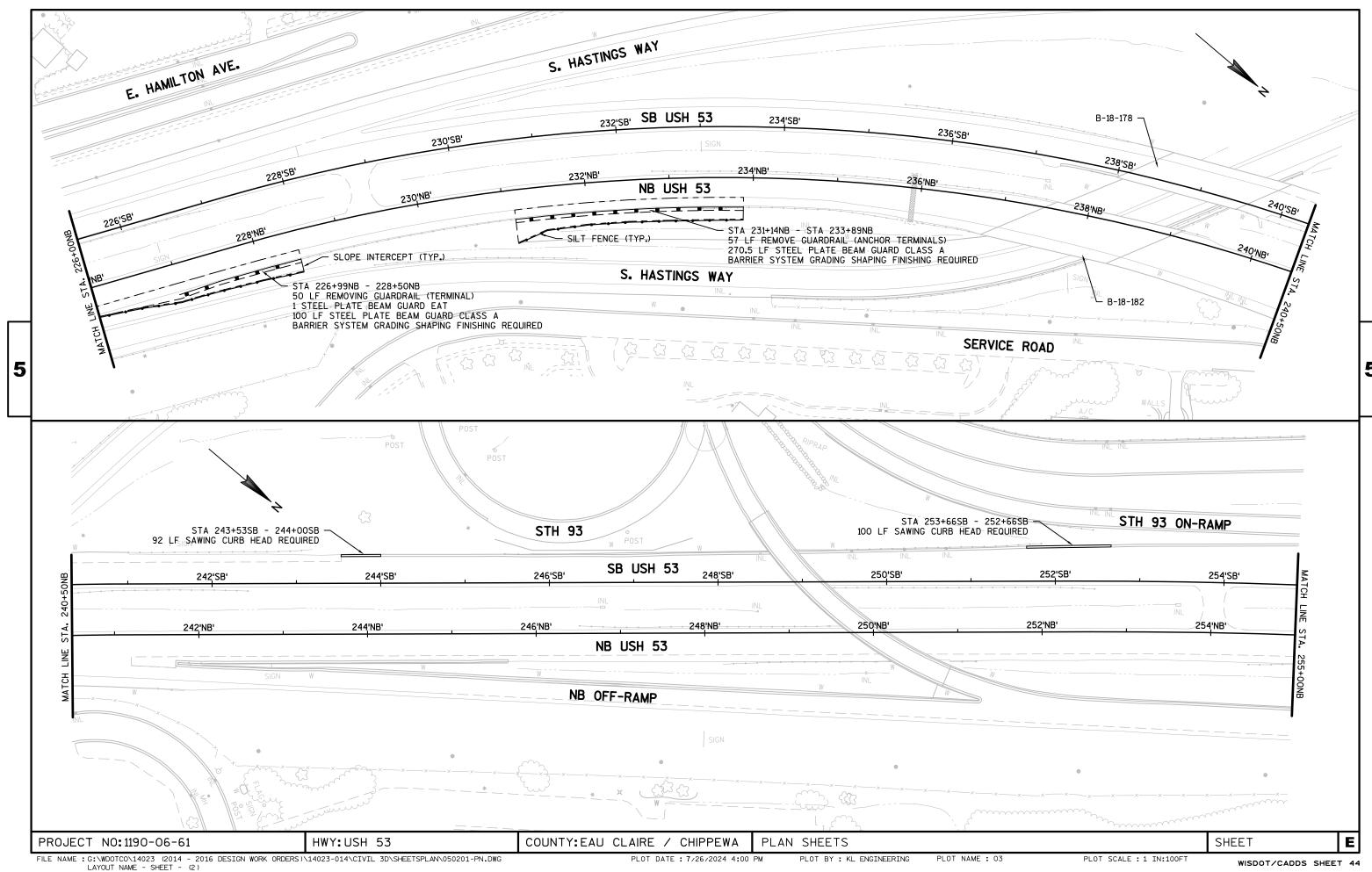
COUNTY: EAU CLAIRE/CHIPPEWA

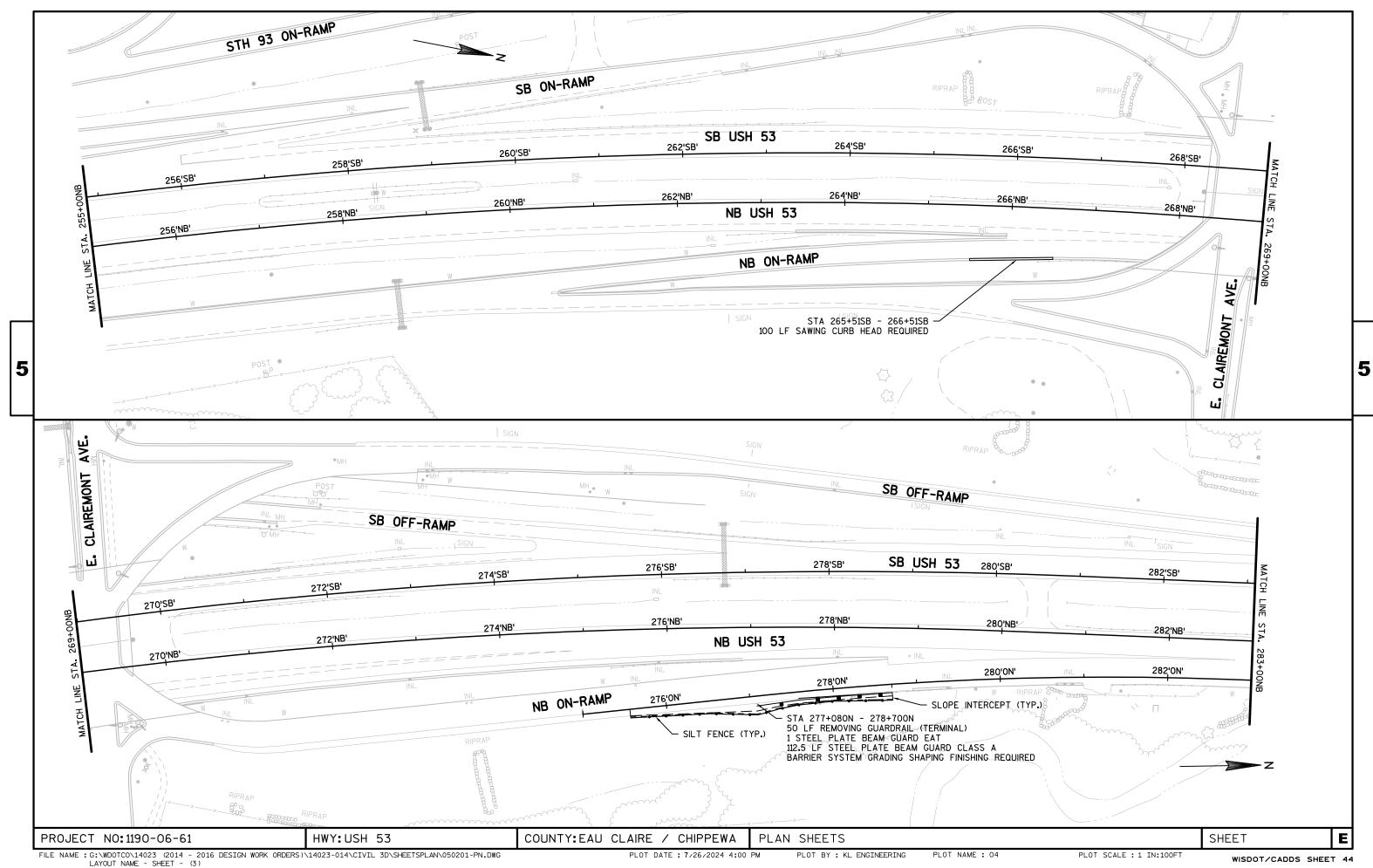
MISCELLANEOUS QUANTITIES

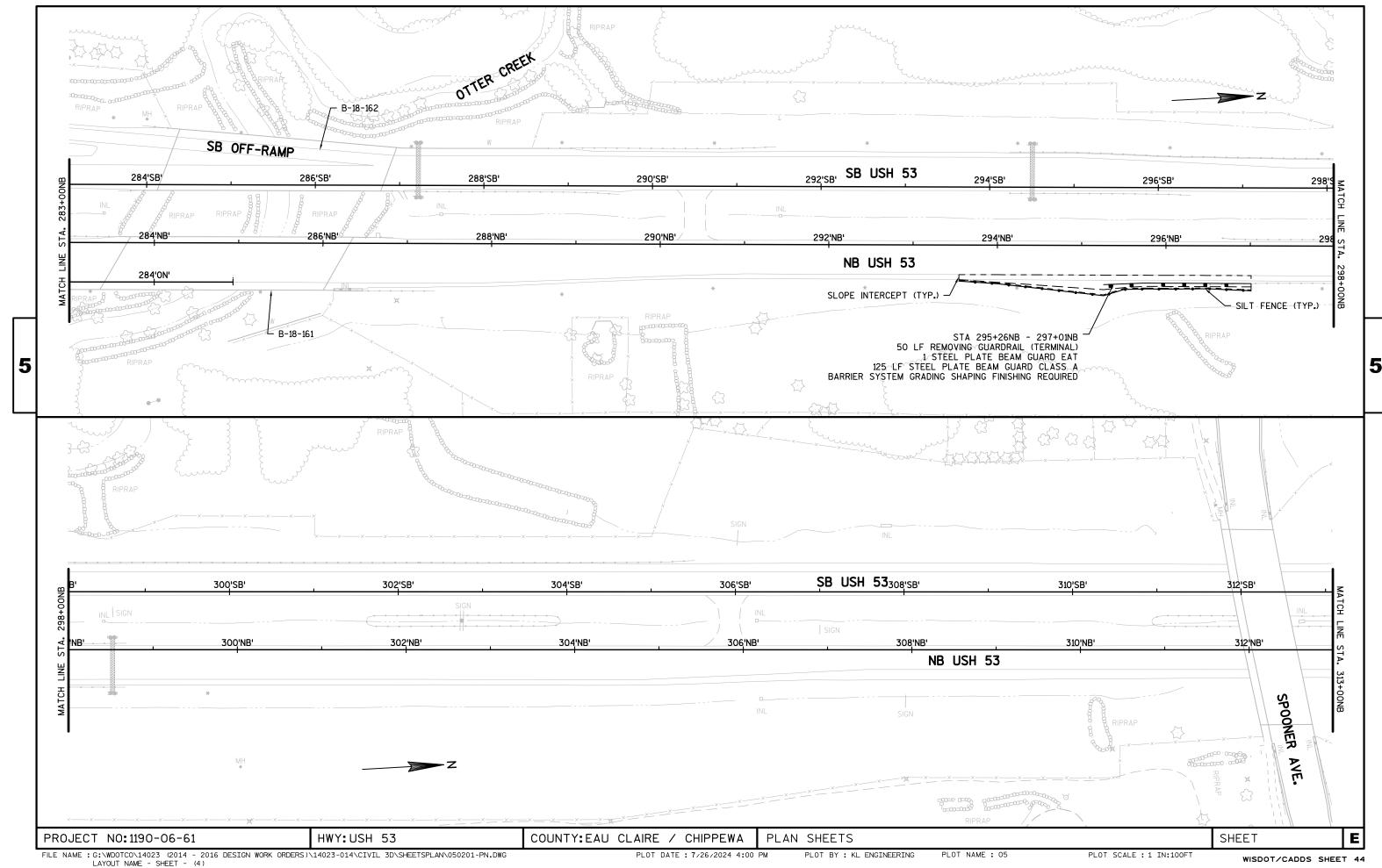
SHEET

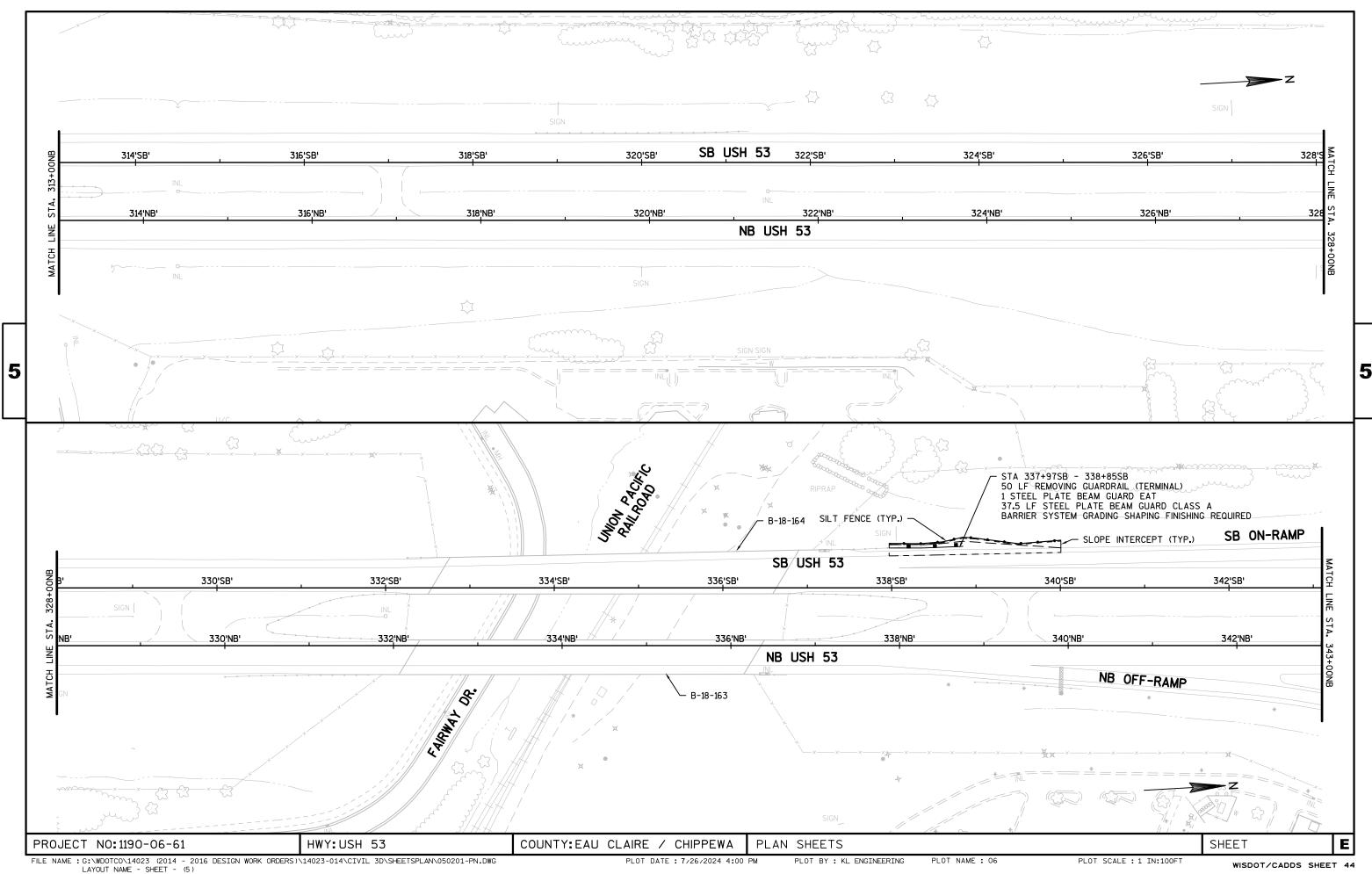


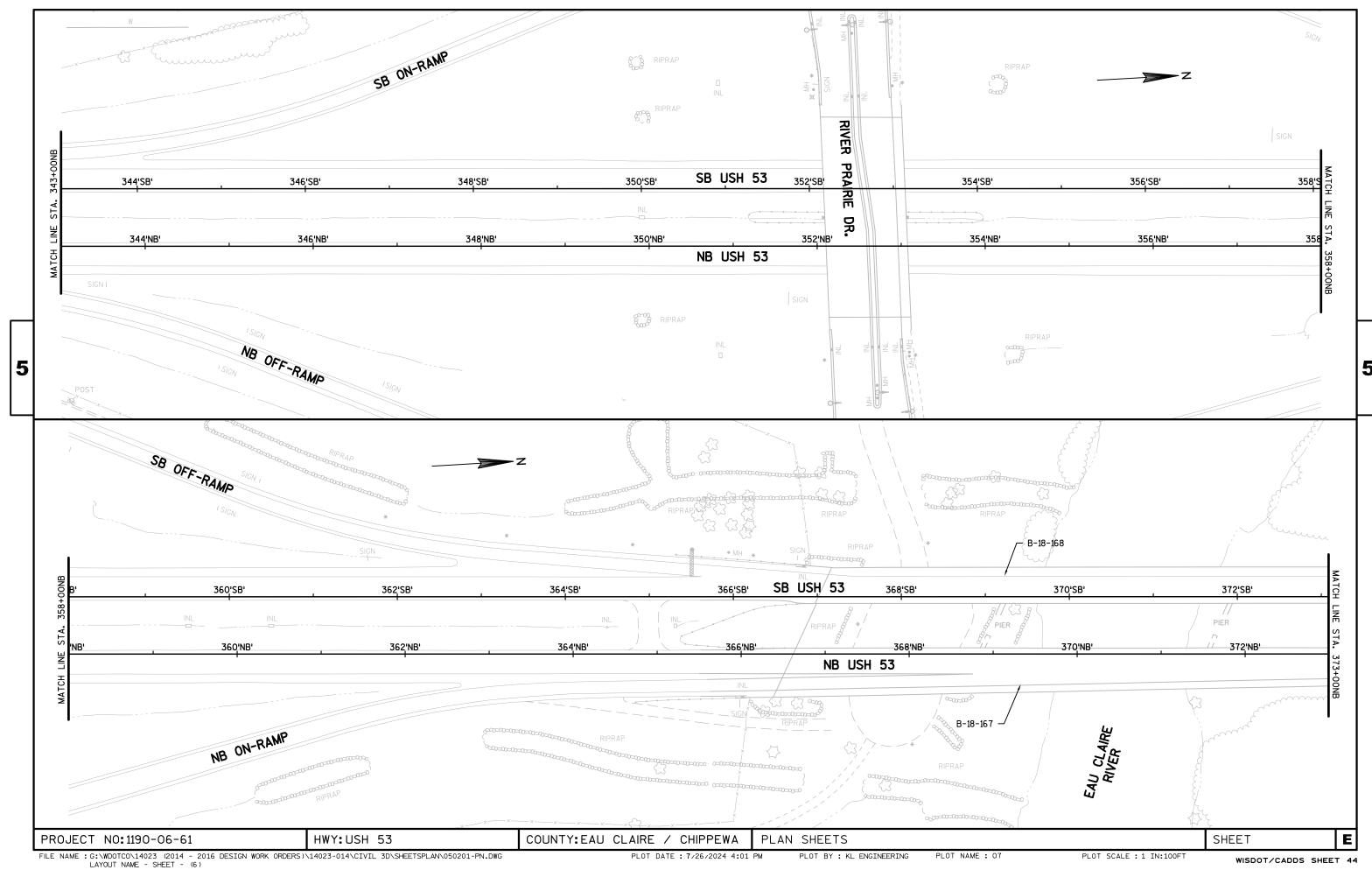


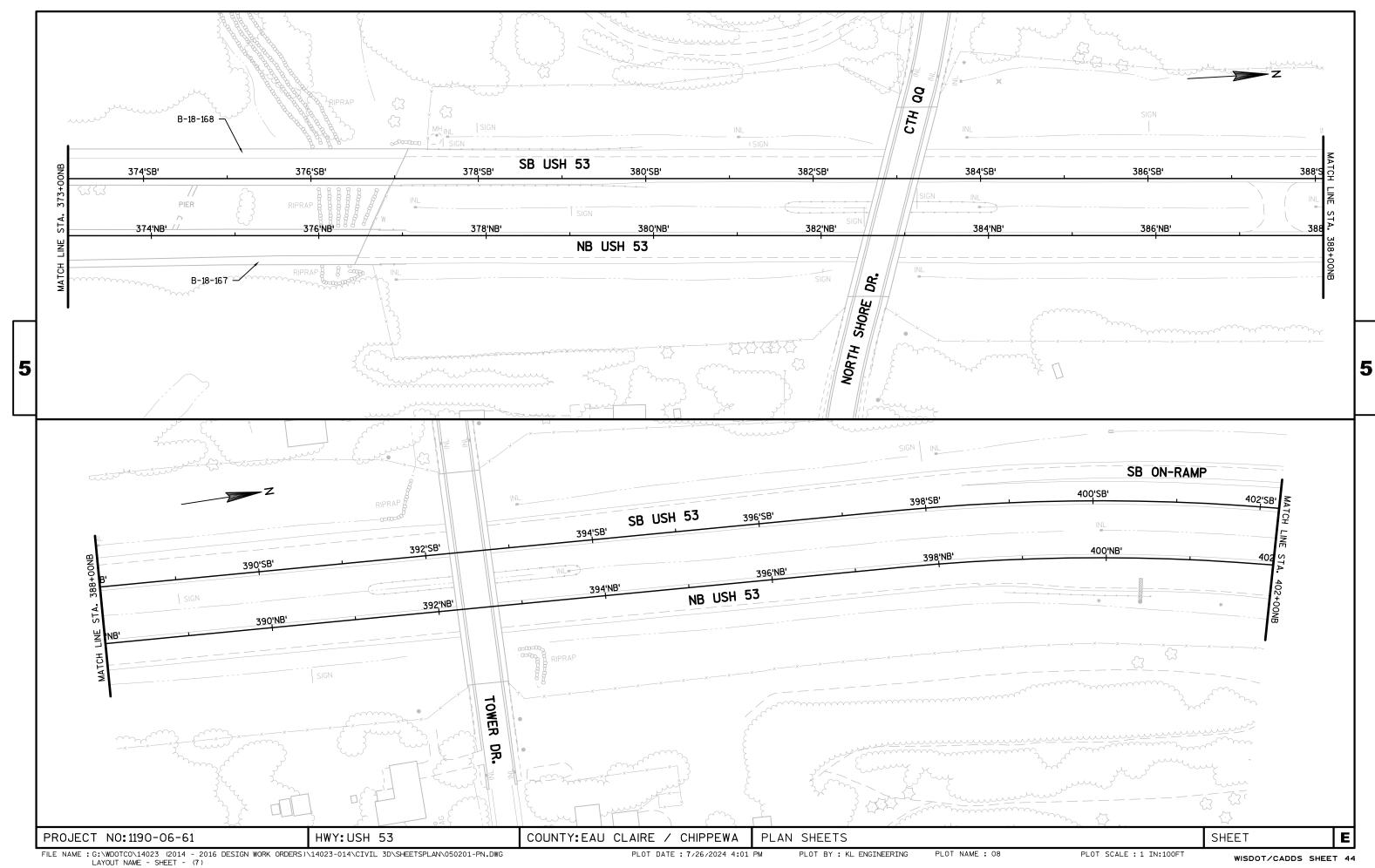


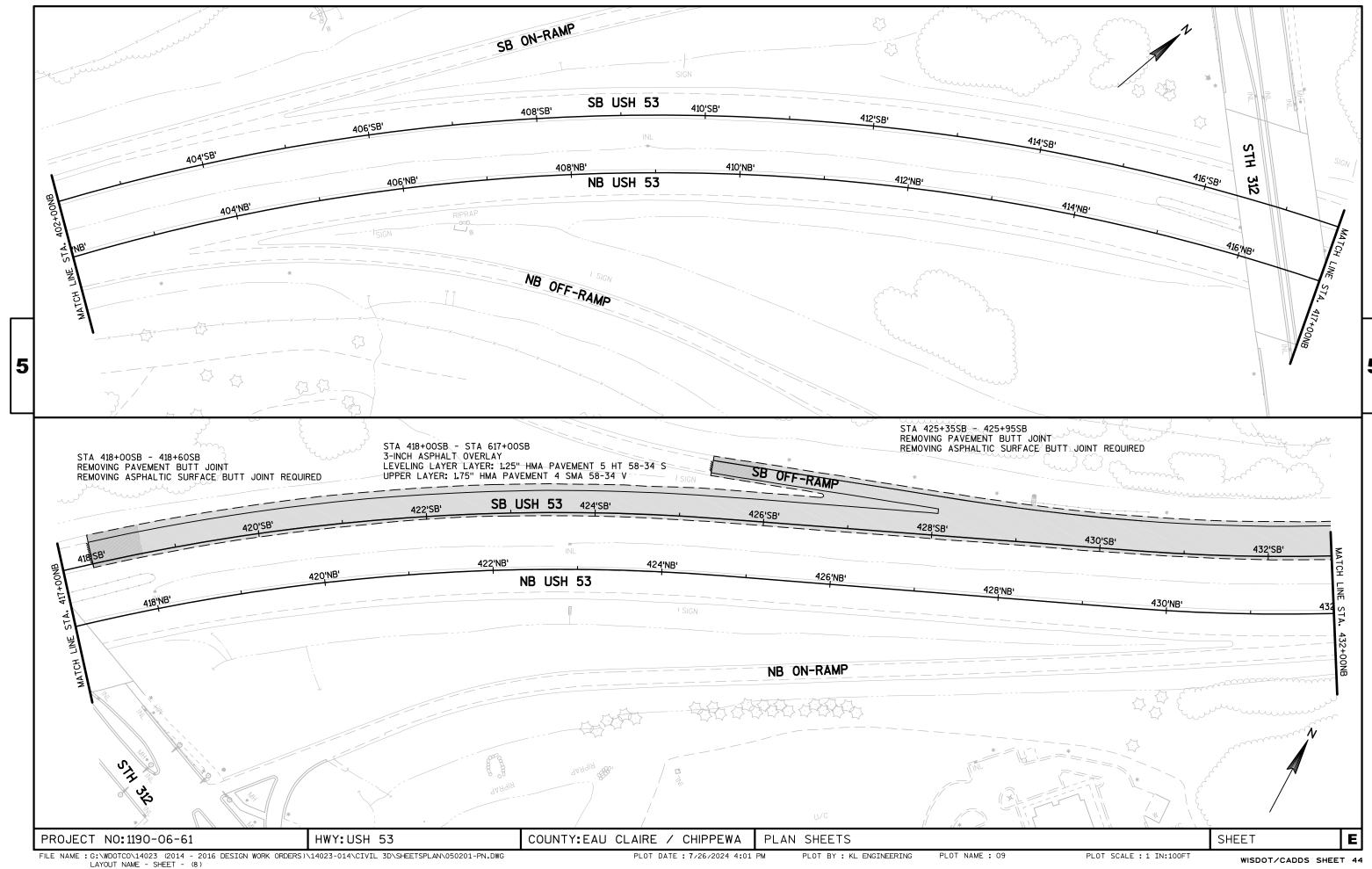


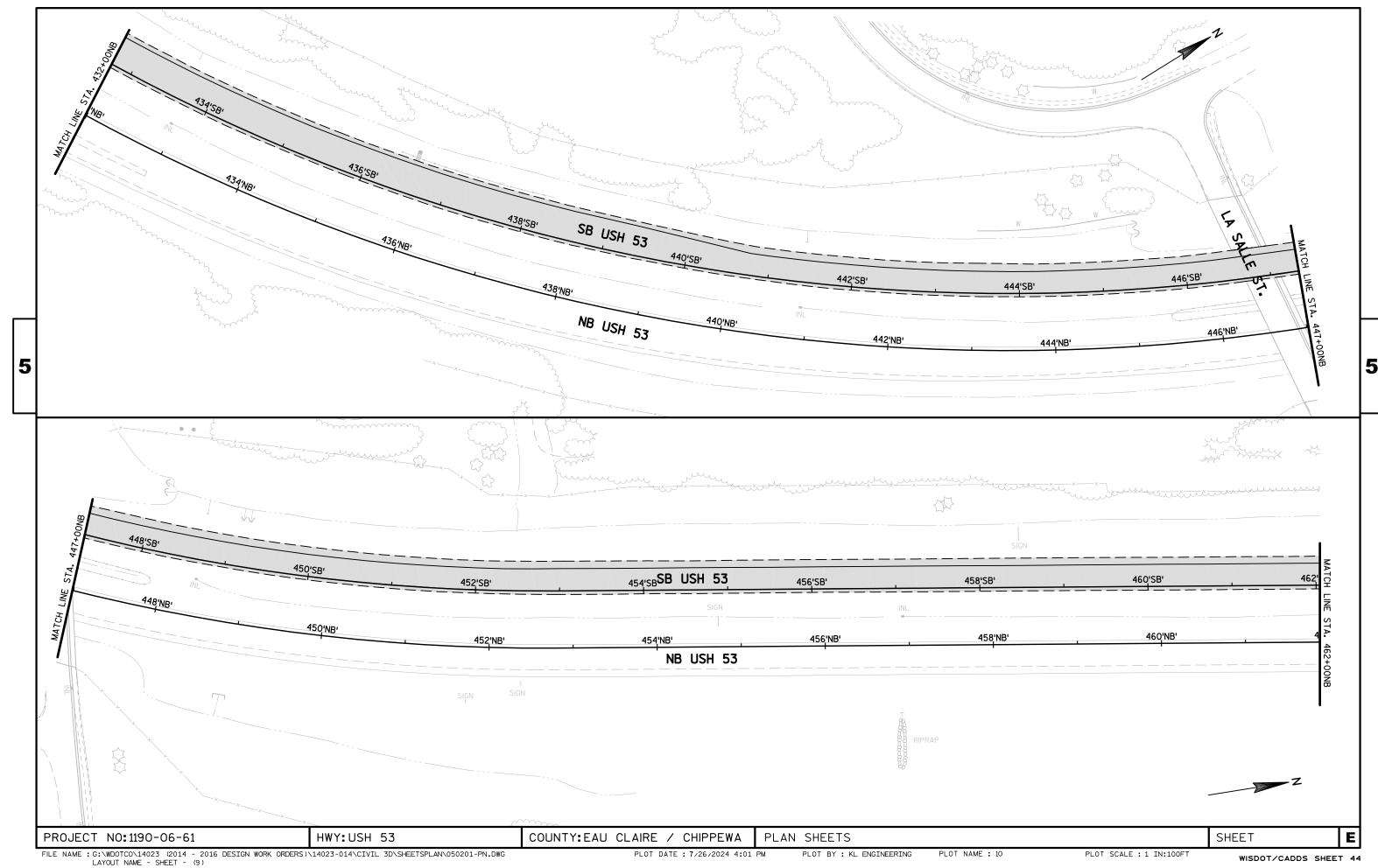


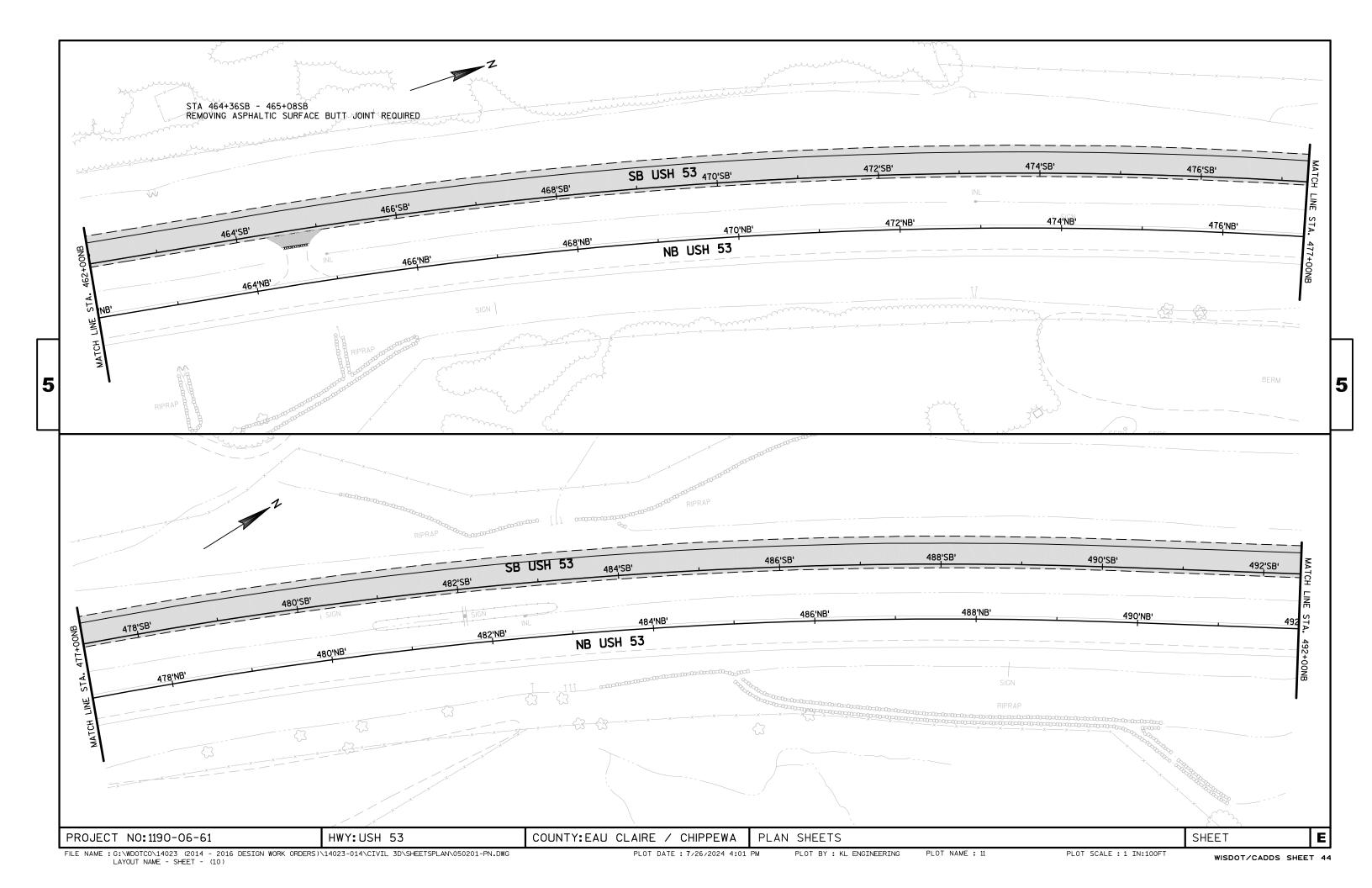


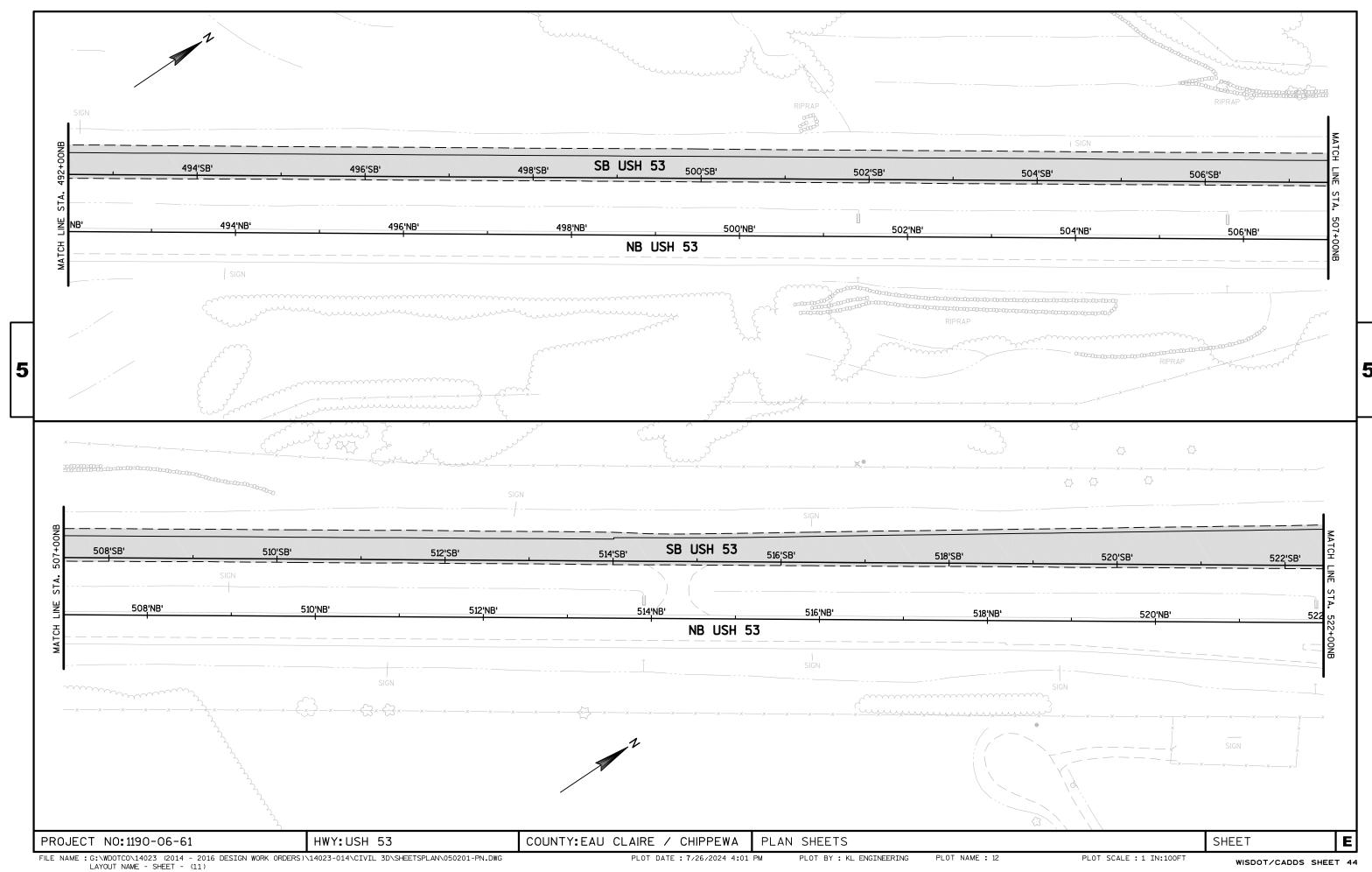


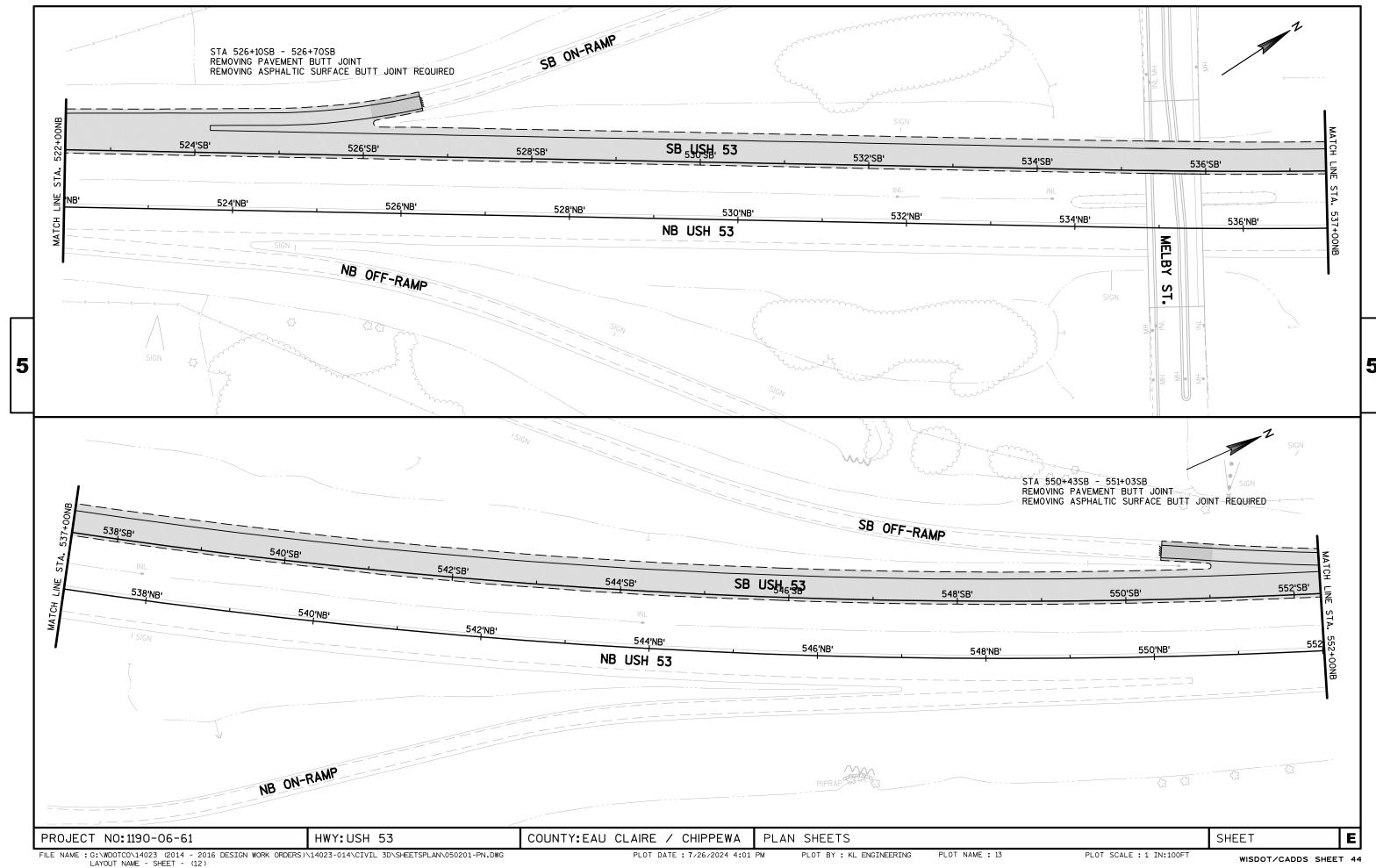


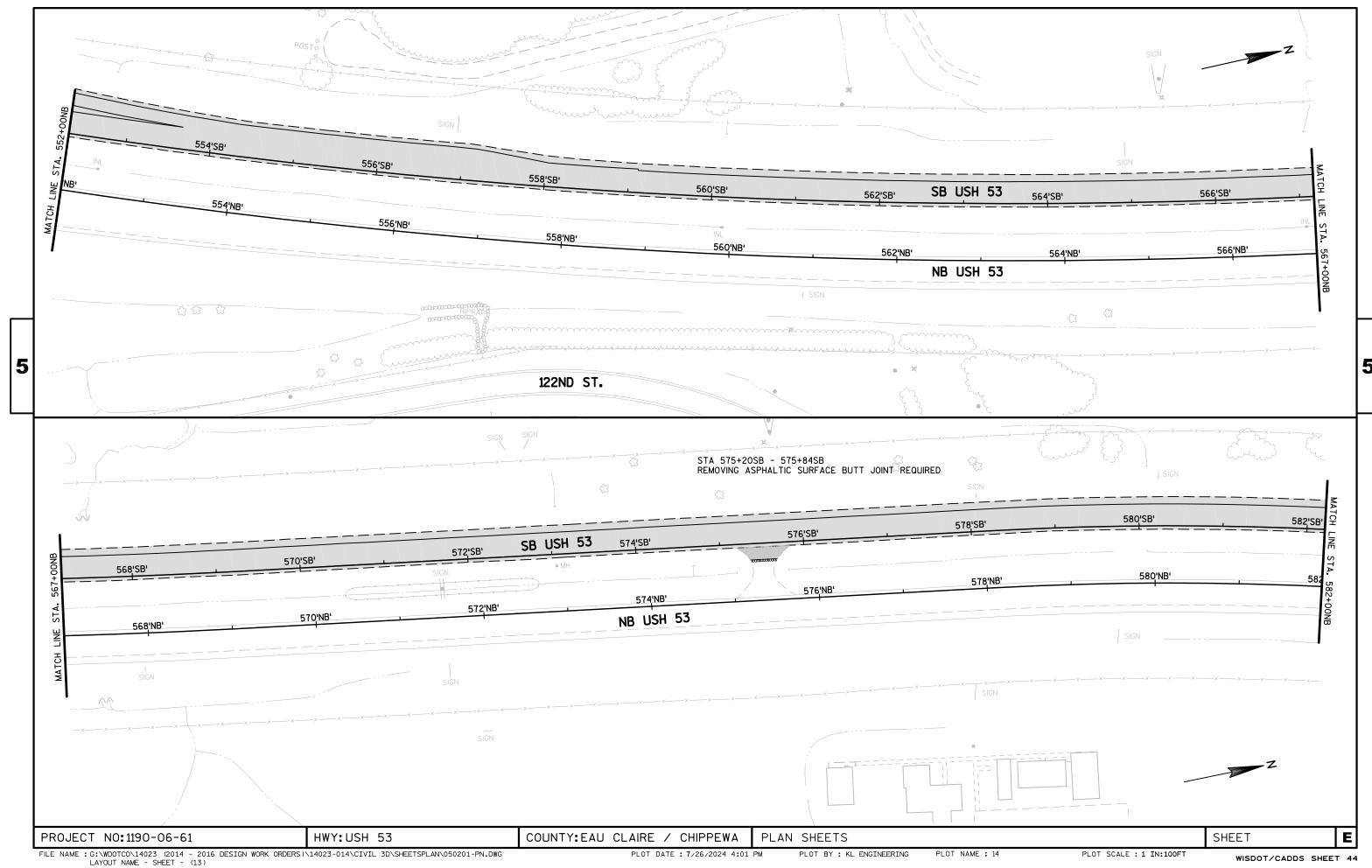


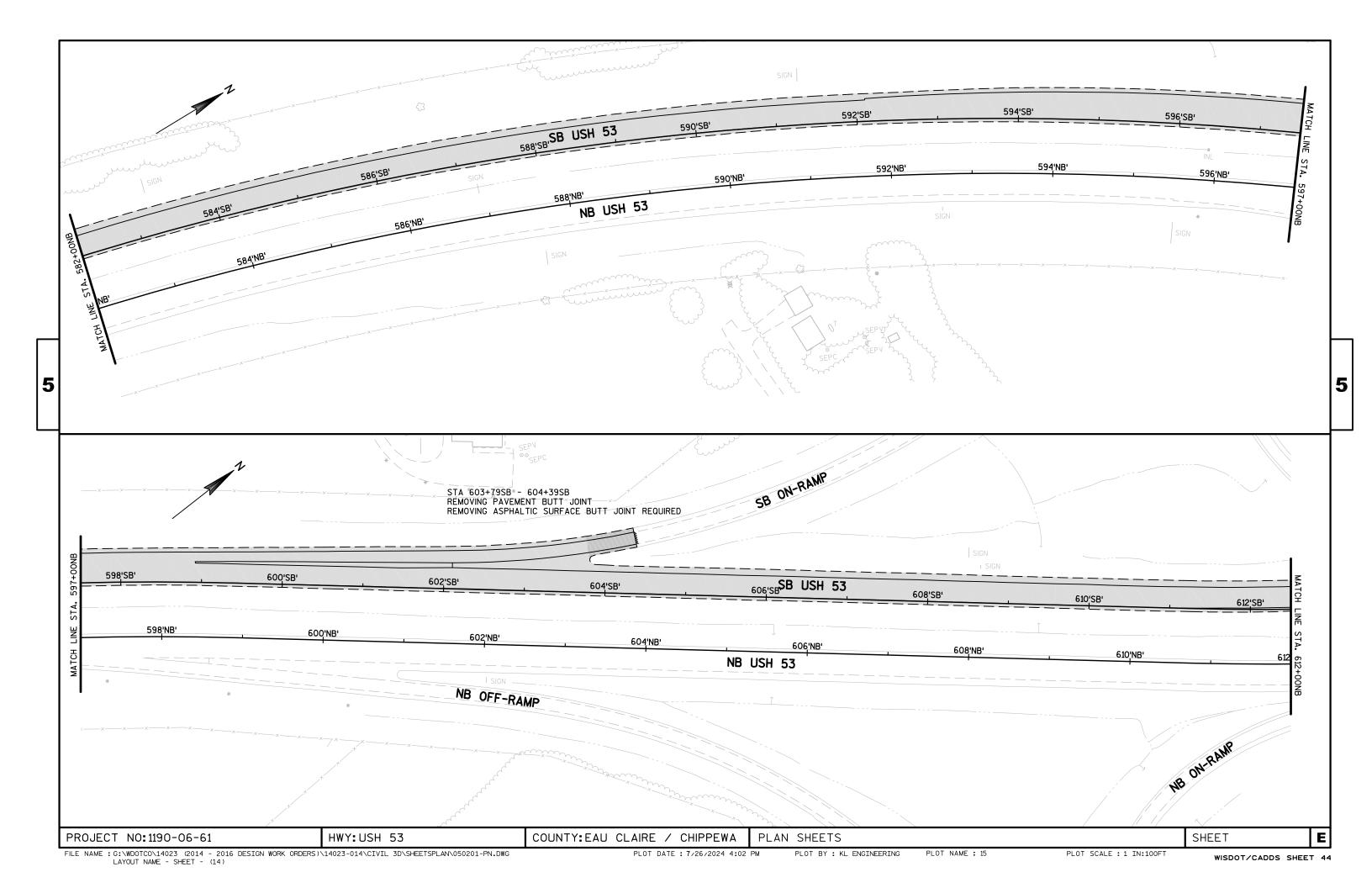


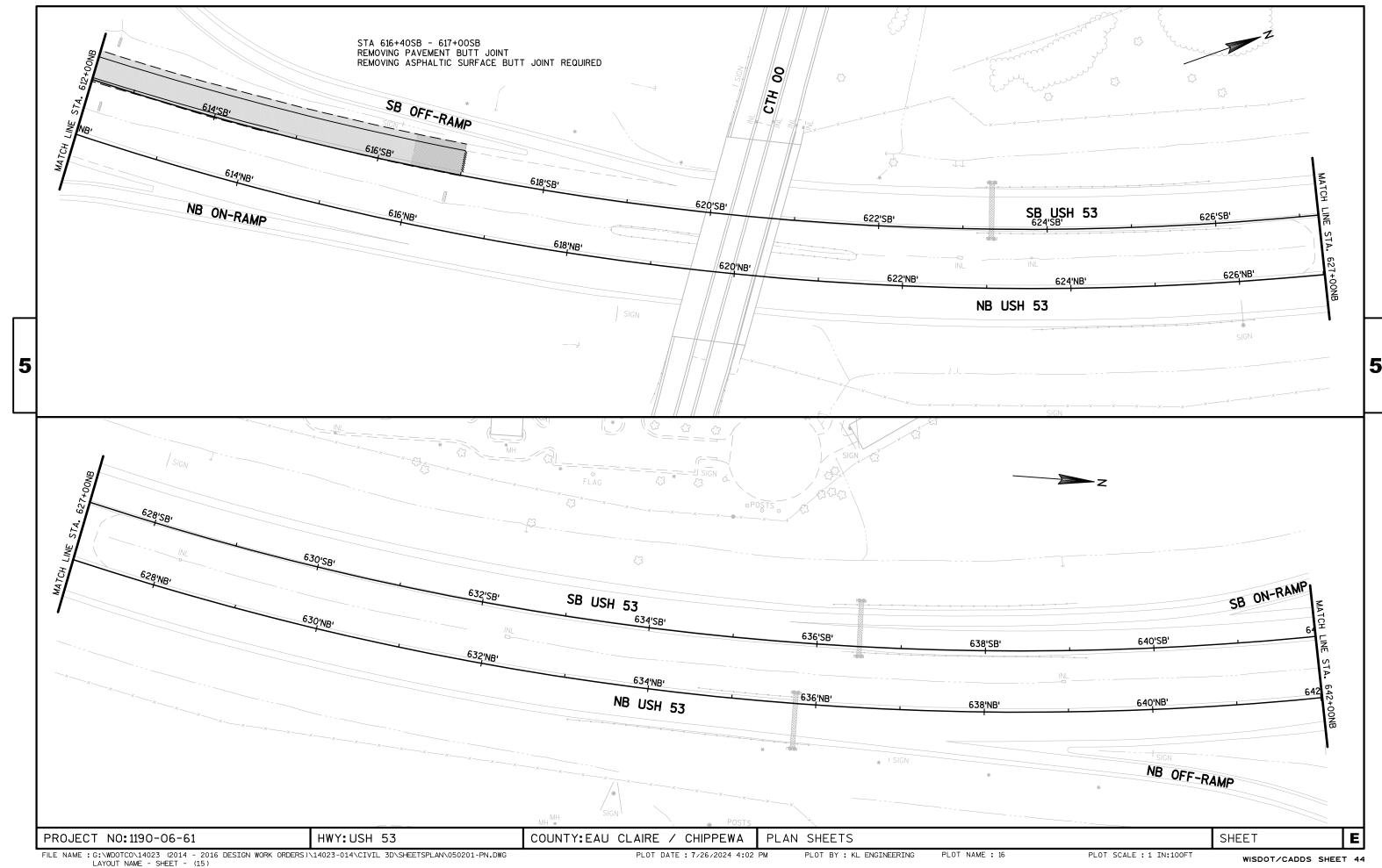


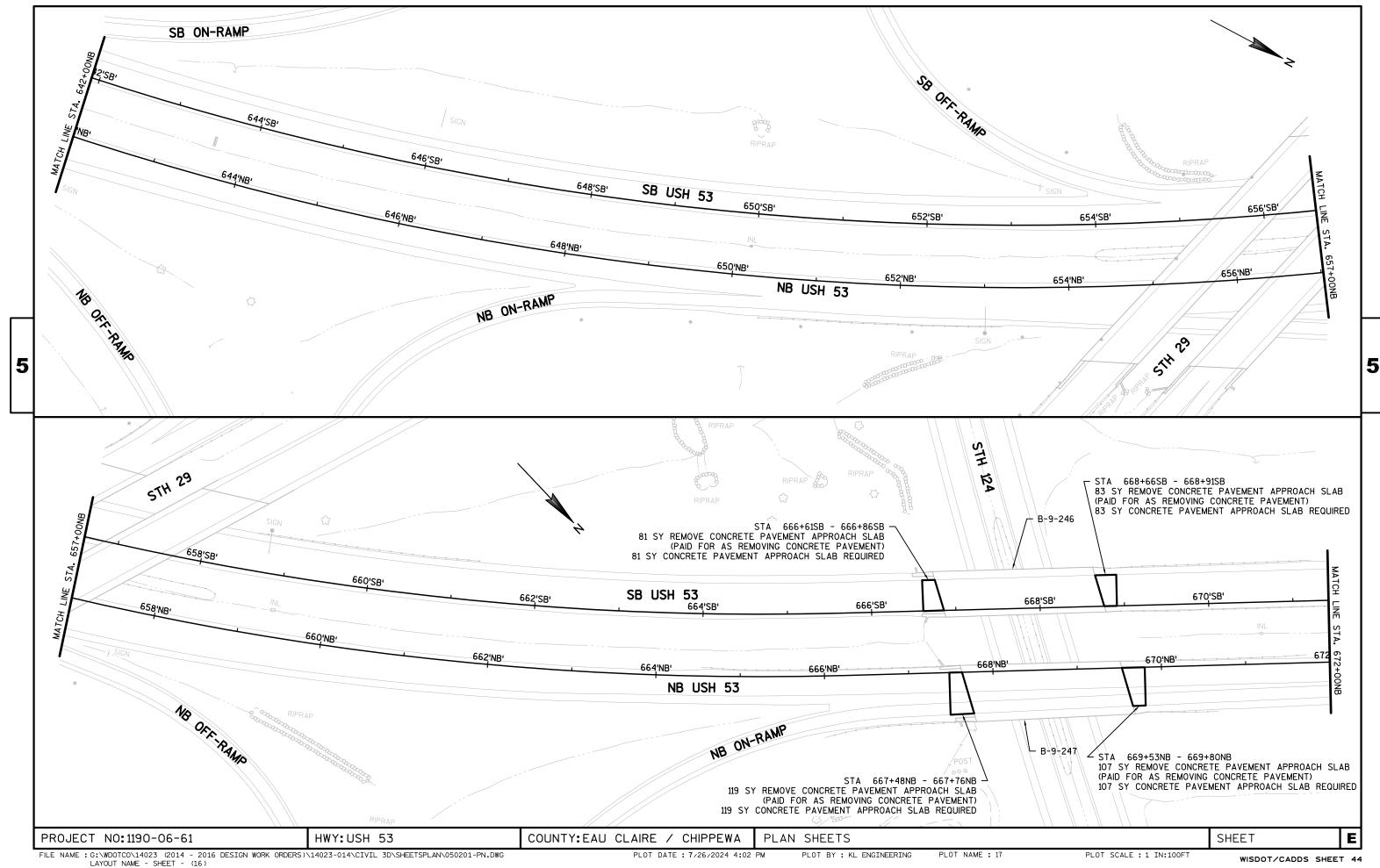


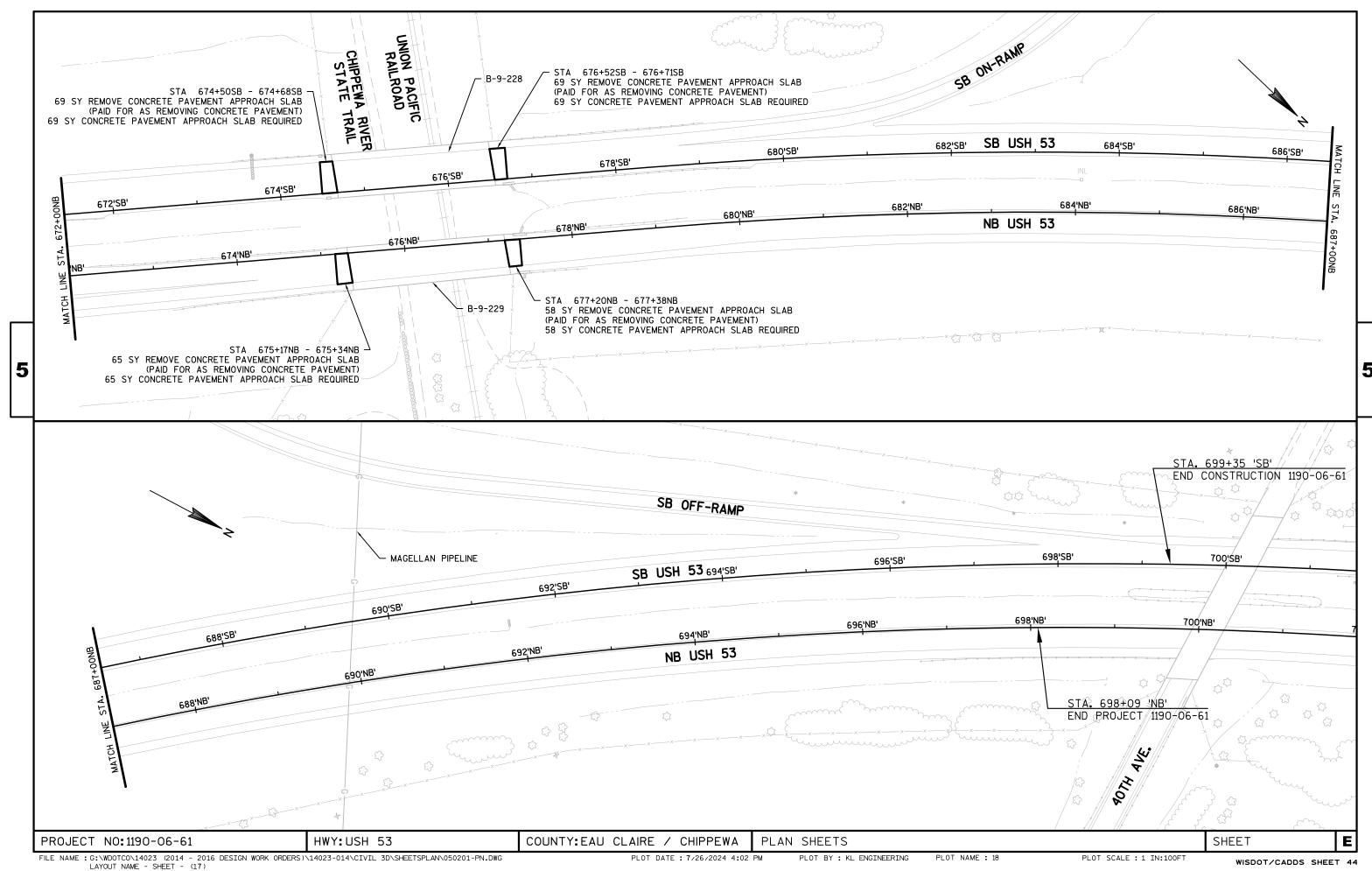










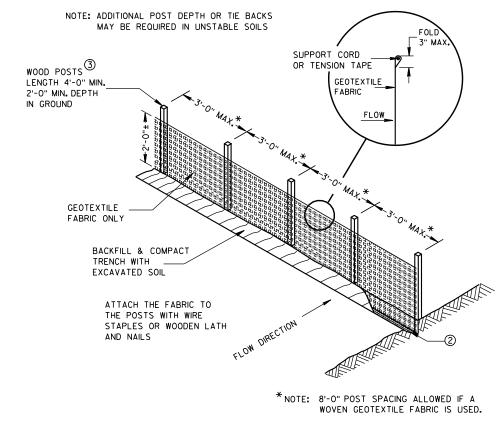


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Standard Detail Drawing List

00-00 06	
08E09-06	SILT FENCE
13A05-06A	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A05-06B	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13в02-09в	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13С09-17В	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B16-04A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14в16-04в	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14в24-09в	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15с02-09в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09D	ON RAMP LANE CLOSURE
15C02-09E	OFF RAMP LANE CLOSURE
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C14-04	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15С19-08В	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15c19-08c	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-06A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15С31-06В	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-06C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-06D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-12A	TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D12-12D	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D12-12F	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
	

TYPICAL APPLICATION OF SILT FENCE



SILT FENCE

SILT FENCE AT MEDIAN SURFACE DRAINS

PLAN VIEW

-ROADWAY

— DITCH DIKE

SITUATION 2

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INSLOPE

SHOULDER

- ROADWAY

SHOULDER

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INSLOPE

SHOULDER

ROADWAY

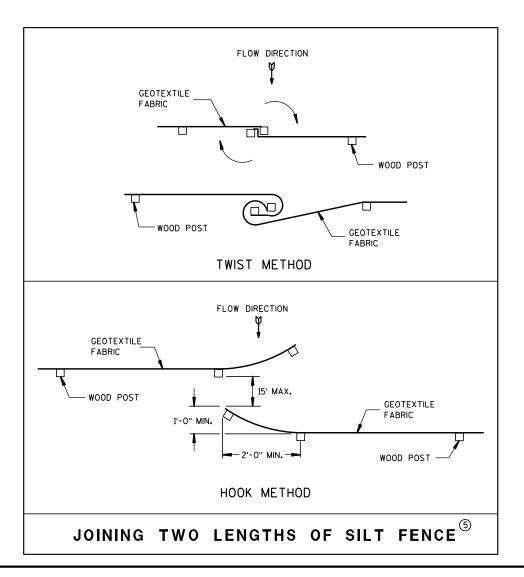
INSLOPE

-ROADWAY

(1)

SITUATION 1

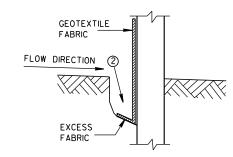
INSLOPE



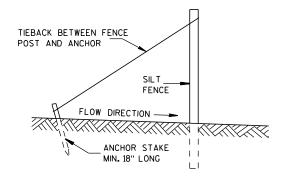
GENERAL NOTES

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

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

SILT FENCE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED 4-29-05 /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

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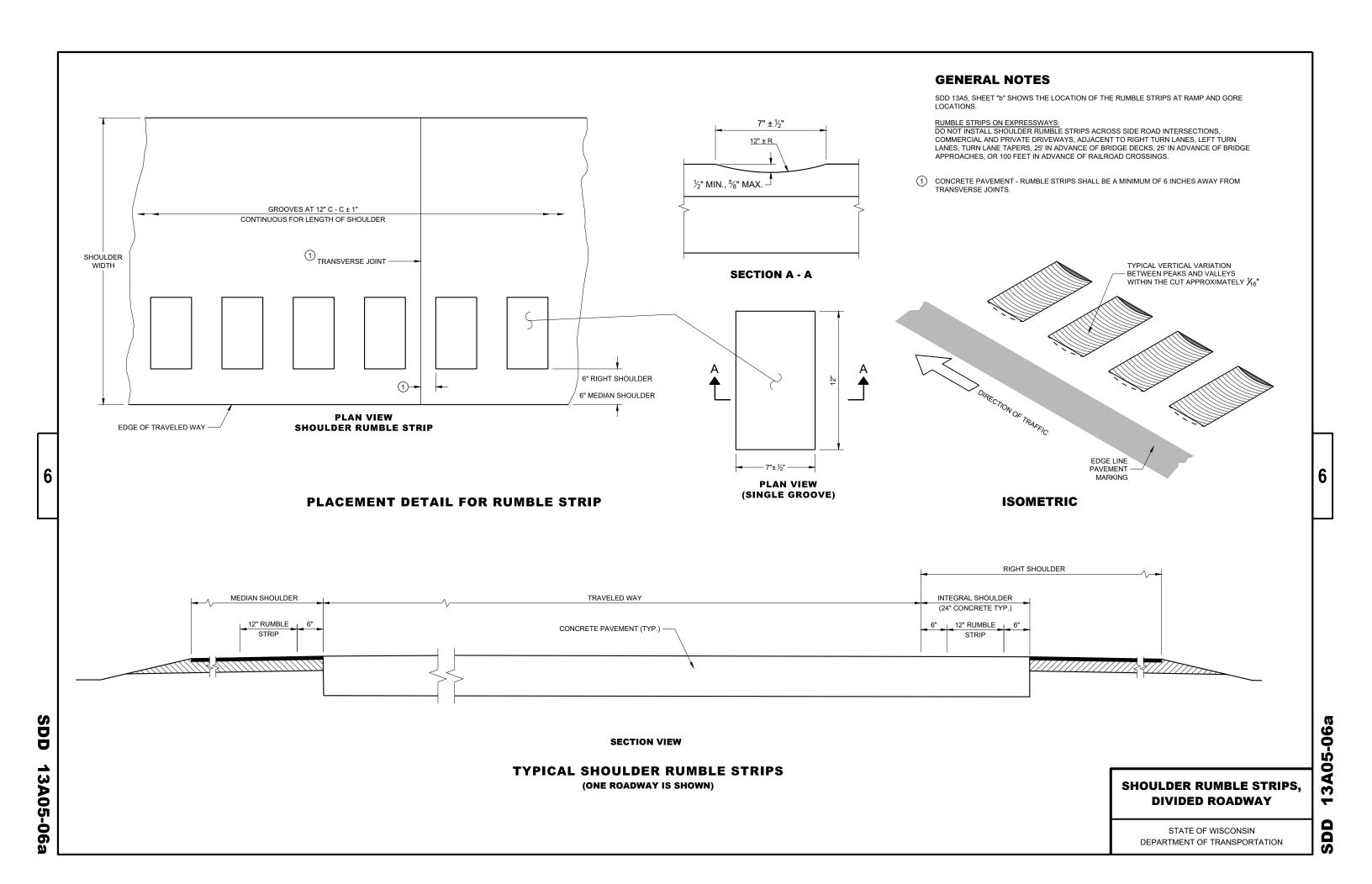
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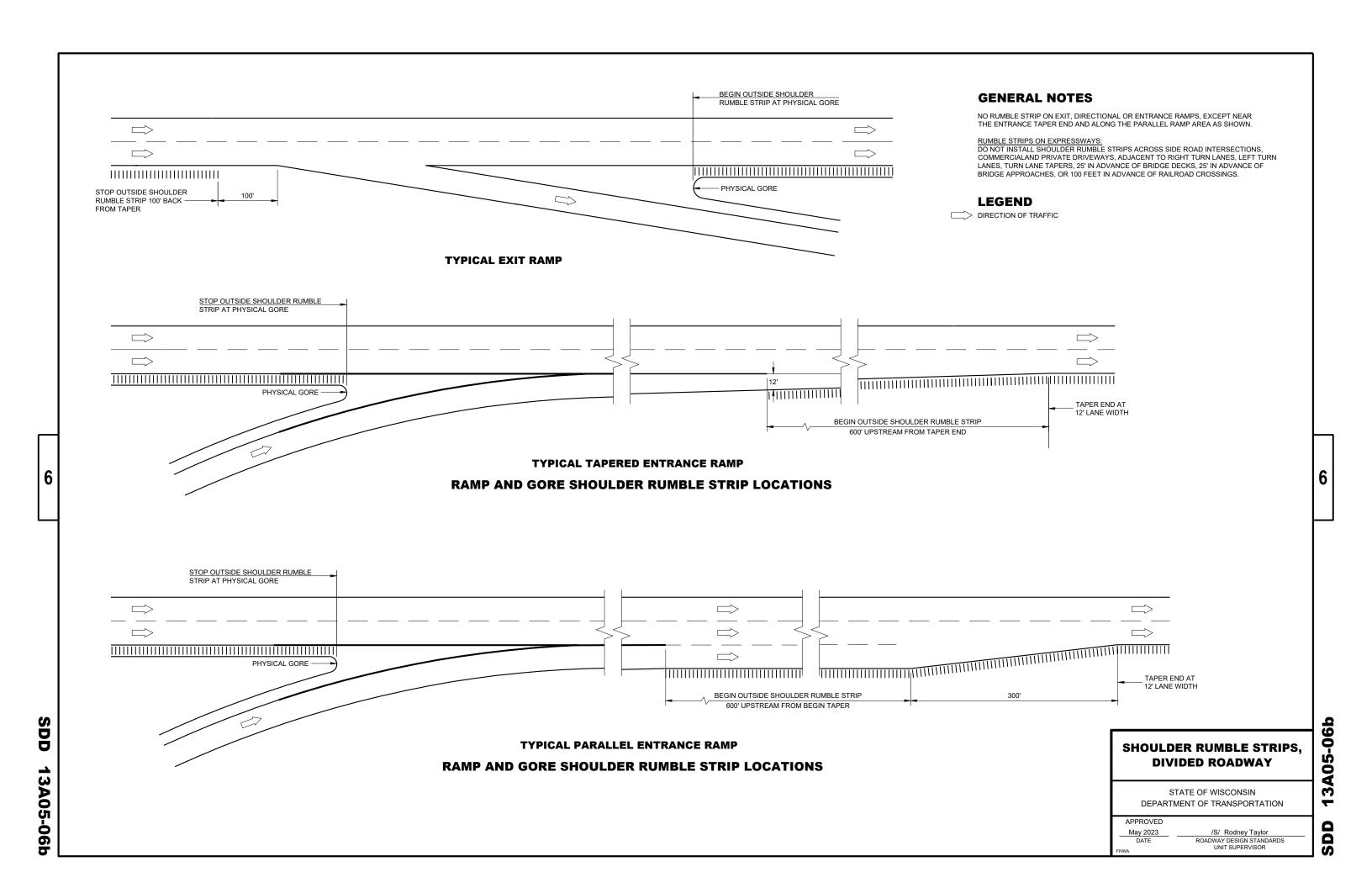
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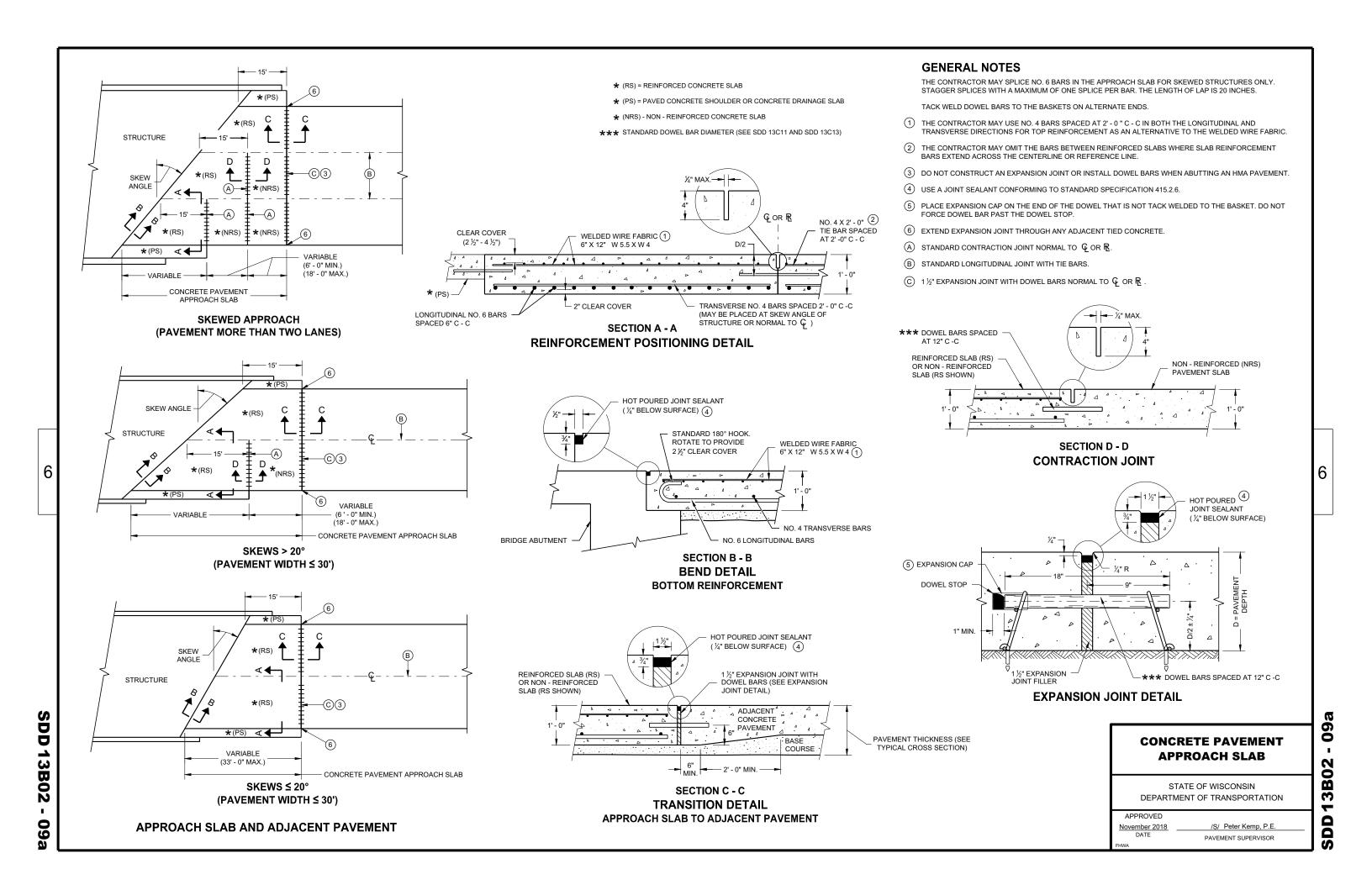
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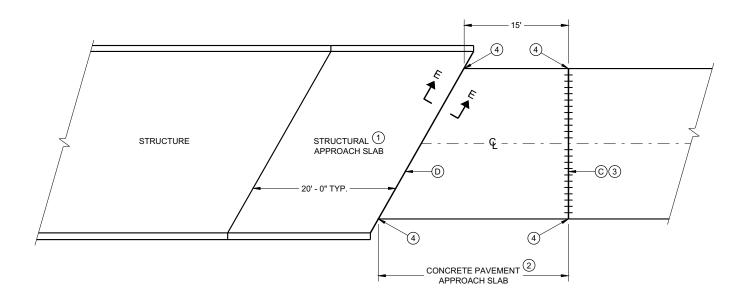
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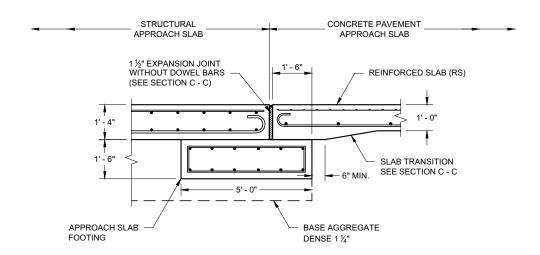








BRIDGE APPROACHES



SECTION E - E FOOTING DETAIL STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

- (1) SEE BRIDGE PLAN.
- (2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS
- \bigcirc DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.
- 4 EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.
- © 1½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO GOR R.
- D 1 ½" EXPANSION JOINT (NO DOWELS)

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT **APPROACH SLAB**

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

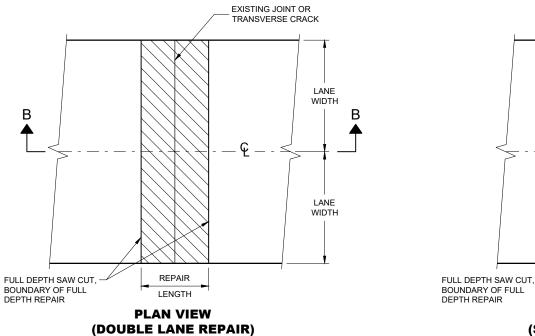
APPROVED

November 2018 DATE

/S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

3B02 SDD

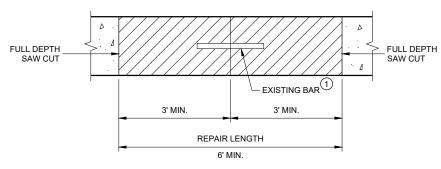
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EXISTING JOINT OR TRANSVERSE CRACK LANE WIDTH В LANE WIDTH LENGTH

PLAN VIEW (SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B CONCRETE REMOVAL

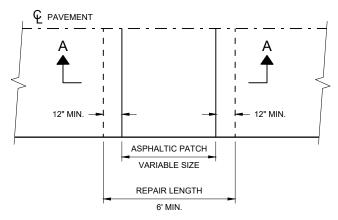
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE

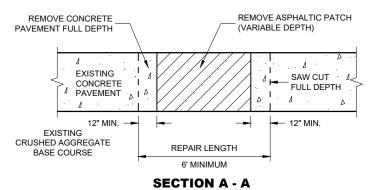
PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1 DOWEL BARS MAY NOT BE PRESENT.



PLAN VIEW



HMA PATCH REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT

DRILLED

DOWEL BAR

DIAMETER

NONE

1 1/4"

PAVEMENT

DEPTH (D)

6", 6 ½"

7", 7 ½"

8" & ABOVE

DOWEL BAR

DIAMETER

NONE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

REPAIR AND REPLACEMENT

 D_2

18" DOWEL BAR

ANCHORED INTO

(SEE SIZE TABLE)

EXISTING PAVEMENT

MAX.

TIE BAR

SPACING

36"

24"******

CONTRACTION

JOINT

SPACING

12'

14'

8

3

SD

PAVEMENT

DEPTH "D"

111

LANE

WIDTH

L1 OR

L3

L1 OR

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L3

NEW CONCRETE

PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR

C2 -

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SDD 13C09

PLAN VIEW MULTILANE CONCRETE PAVEMENT REPLACEMENT

BARS -

12" C - C

FOR

SPACING)

15" MIN

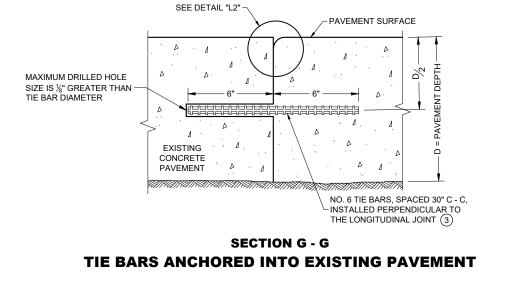
L1 OR

~ L1

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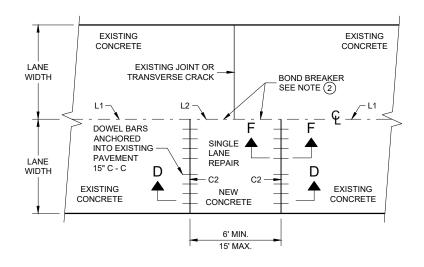
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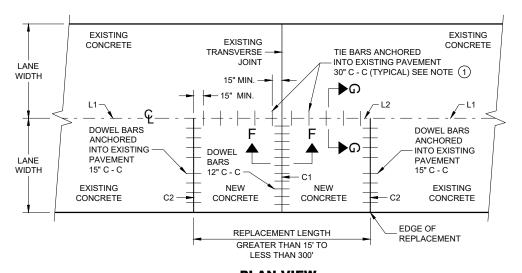


GENERAL NOTES

- ① WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- ② USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- 3 ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

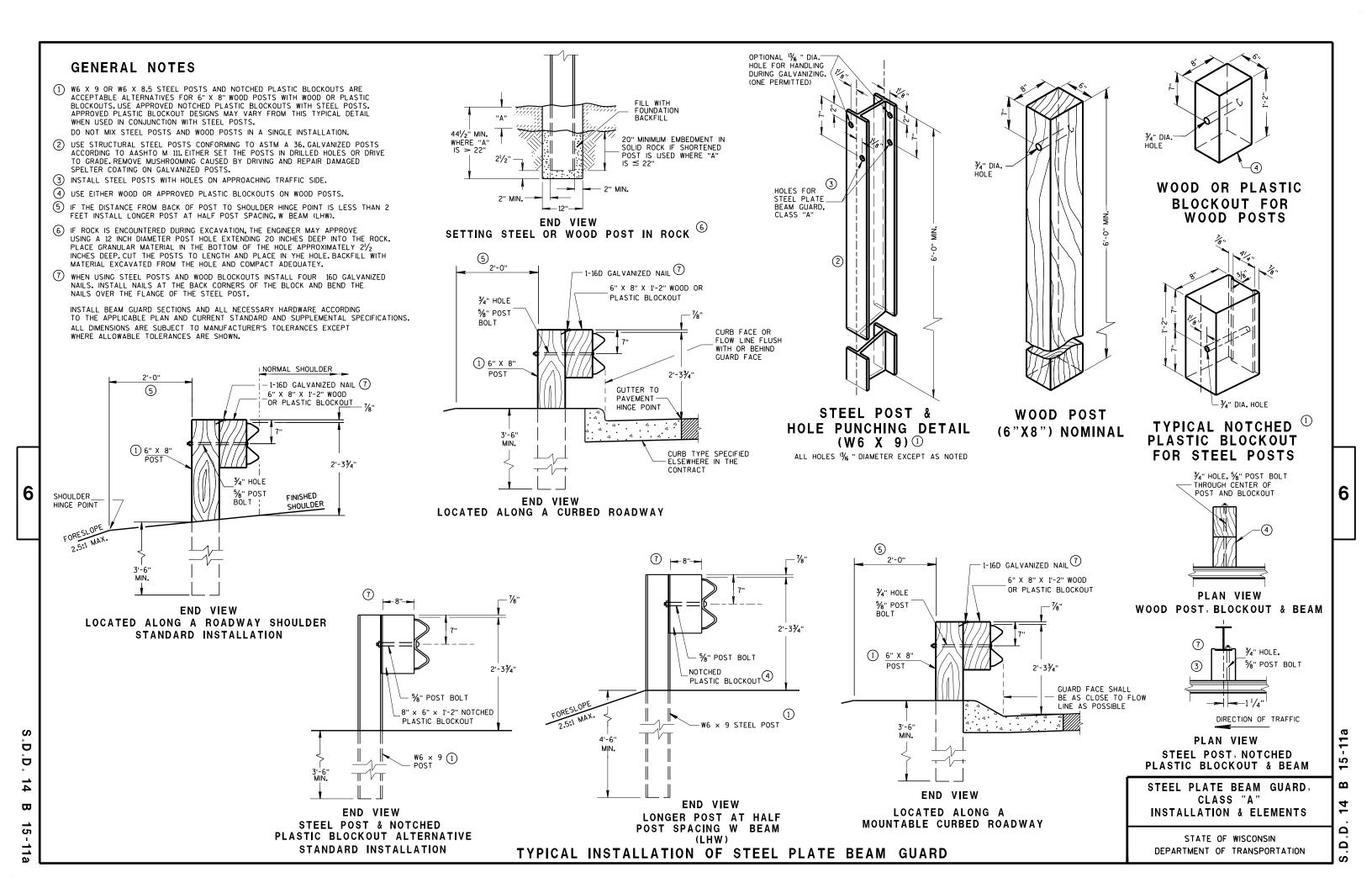
CONCRETE REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

November 2022 DATE /S/ Peter Kemp P.E. PAVEMENT SUPERVISOR





POST SPACING STANDARD INSTALLATION

12'-6" OR 25'-0"

FRONT VIEW

SECTION THRU W

SYMMETRICAL

BEAM

ABOUT & -12 GAGE

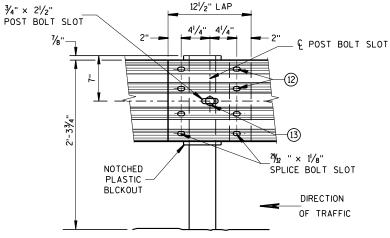
121/2" LAP WOOD OR PLASTIC BLOCKOUT FINISHED SHOULDER DIRECTION OF TRAFFIC FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

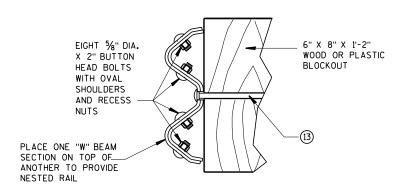
FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

- (9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA, START REFLECTORS AT POST *9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.
- (12) 8 1/8" \$ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (13) 5%" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5%" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



NESTED W BEAM (NW)

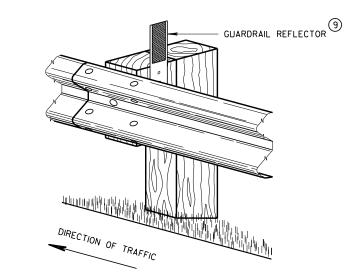
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

EFFECTIVE LENGTH OF BEAM 3'-11/2" C-C 3'-11/2" C-C 3'-1¹/₂" C-C 3'-1¹/₂" C-C POST SPACING SPACING **SPACING** SPACING FINISHED DIRECTION OF SHOULDER TRAFFIC

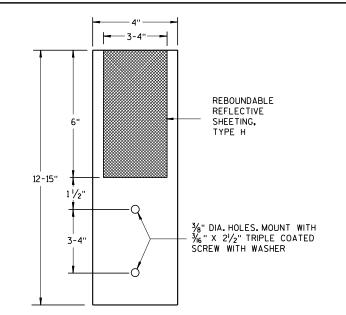
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN), USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", **INSTALLATION & ELEMENTS**

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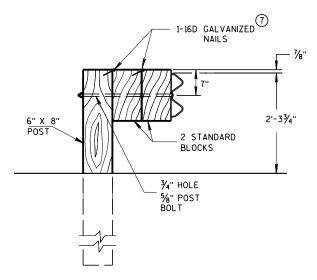
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

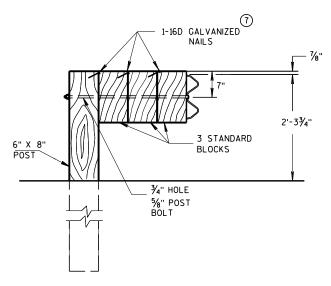
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DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

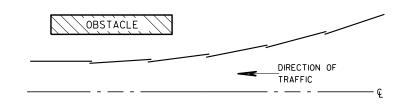


DETAIL FOR TRIPLE BLOCKS

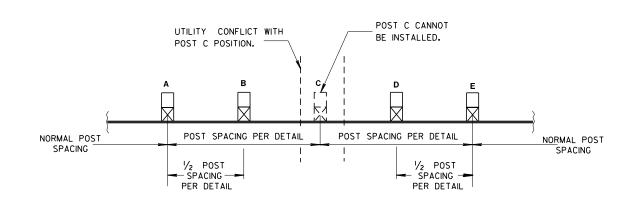
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017

DATE

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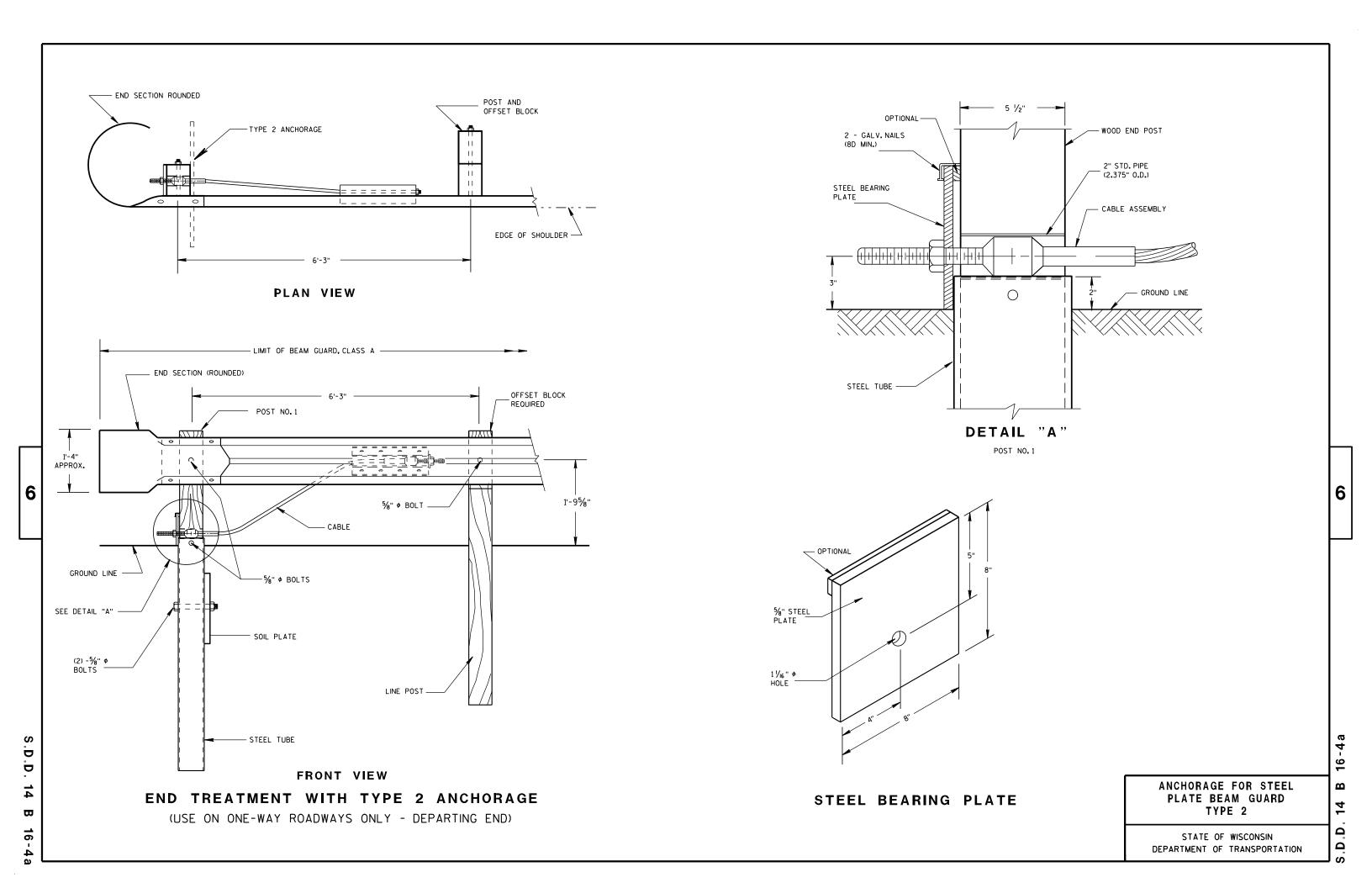
/S/ Rodney Taylor

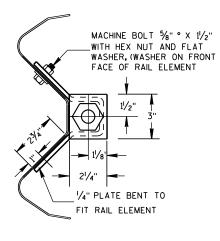
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

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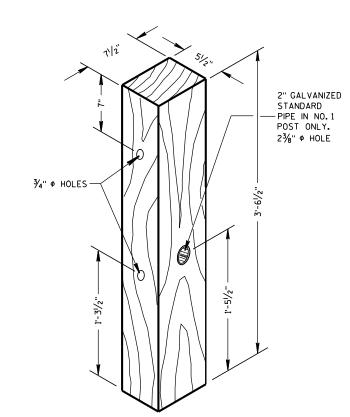




FRONT VIEW

END VIEW

ANCHOR PLATE DETAIL



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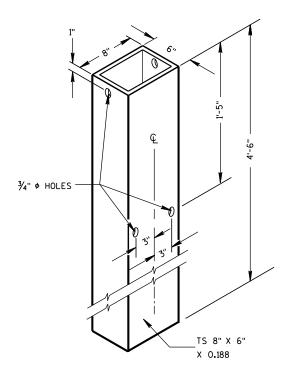
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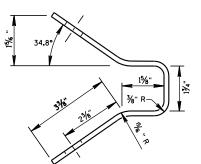
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WOOD BREAKAWAY POST

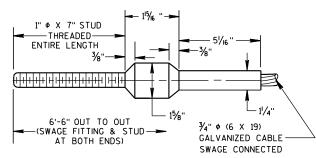


STEEL TUBE

STEEL TUBE SHALL CONFORM TO REQUIREMENTS OF ASTM A500

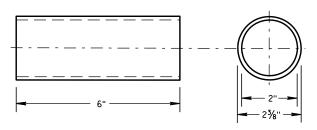


END VIEW OF BRACKET



CABLE ASSEMBLY

CABLE, SWAGE FITTING, STUD AND NUT SHALL DEVELOP A MINIMUM BREAKING STRENGTH OF 40,000 LB (TIGHTEN UNTIL TAUT)



BREAKAWAY TERMINAL POST SLEEVE

GALVANIZED STANDARD STRENGTH STEEL PIPE, ASTM 53 GRADE "B"

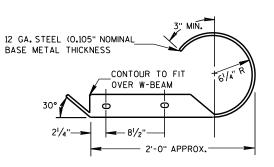
GENERAL NOTES

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

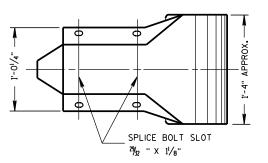
STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500 GRADE B OR ASTM A-501.

POST NO.1 SHALL BE WOOD BREAKAWAY POST INSERTED AND BOLTED INTO STEEL TUBE.

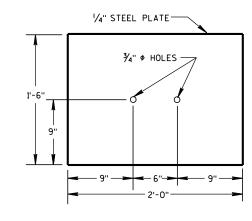
TYPE 2 ANCHORAGE SHALL CONSIST OF A STEEL TUBE, SOIL PLATE WOOD BREAKAWAY POST, BEARING PLATE, ANCHOR PLATE, CABLE ASSEMBLY AND ALL ASSOCIATED HARDWARE, ALL STEEL PARTS SHALL BE GALVANIZED.



PLAN VIEW



FRONT VIEW W BEAM END SECTION ROUNDED



SOIL PLATE

ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

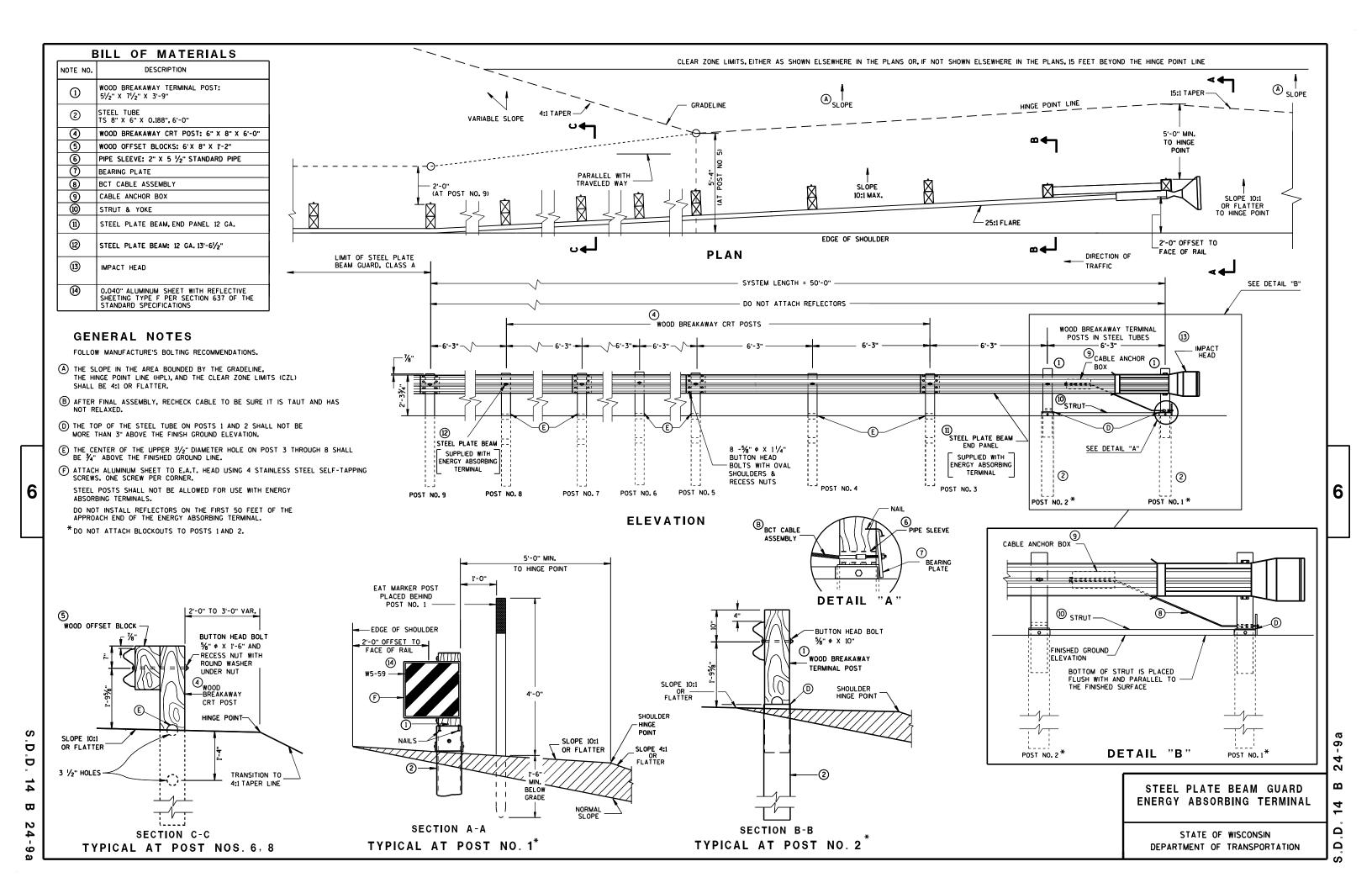
APPROVED

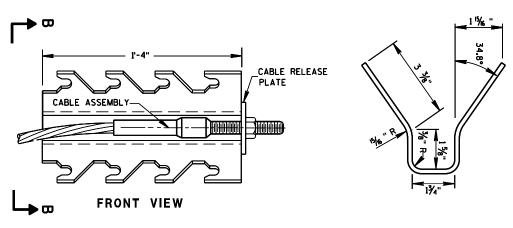
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER 8/21/2007

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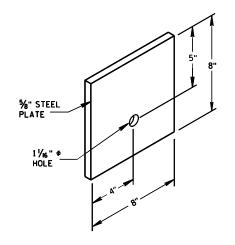
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SECTION B-B

(9) CABLE ANCHOR BOX



[⊙]STEEL BEARING PLATE

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

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24-9b

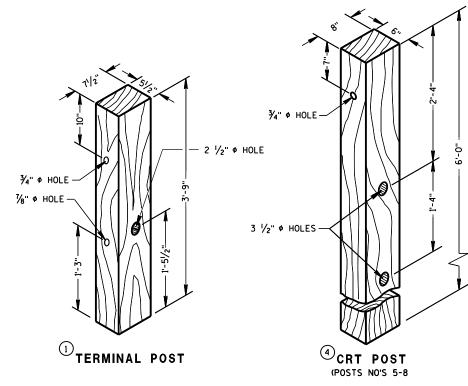
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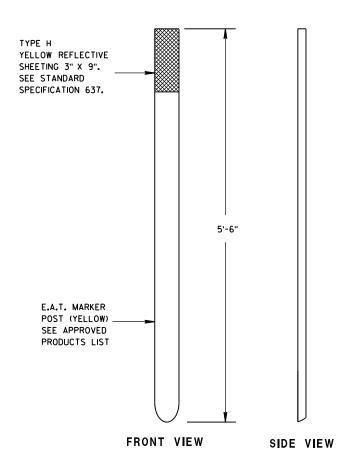
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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(4) REFLECTIVE SHEETING DETAILS



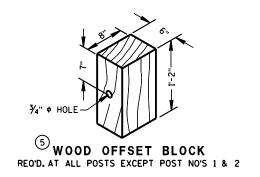
WOOD BREAKAWAY POSTS



E.A.T. MARKER POST

GENERAL NOTES

WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



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STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2017

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL **APPROACH VIEW**

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11 - 2. R11 - 3. M4 - 9. R11 - 4. AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL 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 SHALL, 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" (36" X 18" 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"

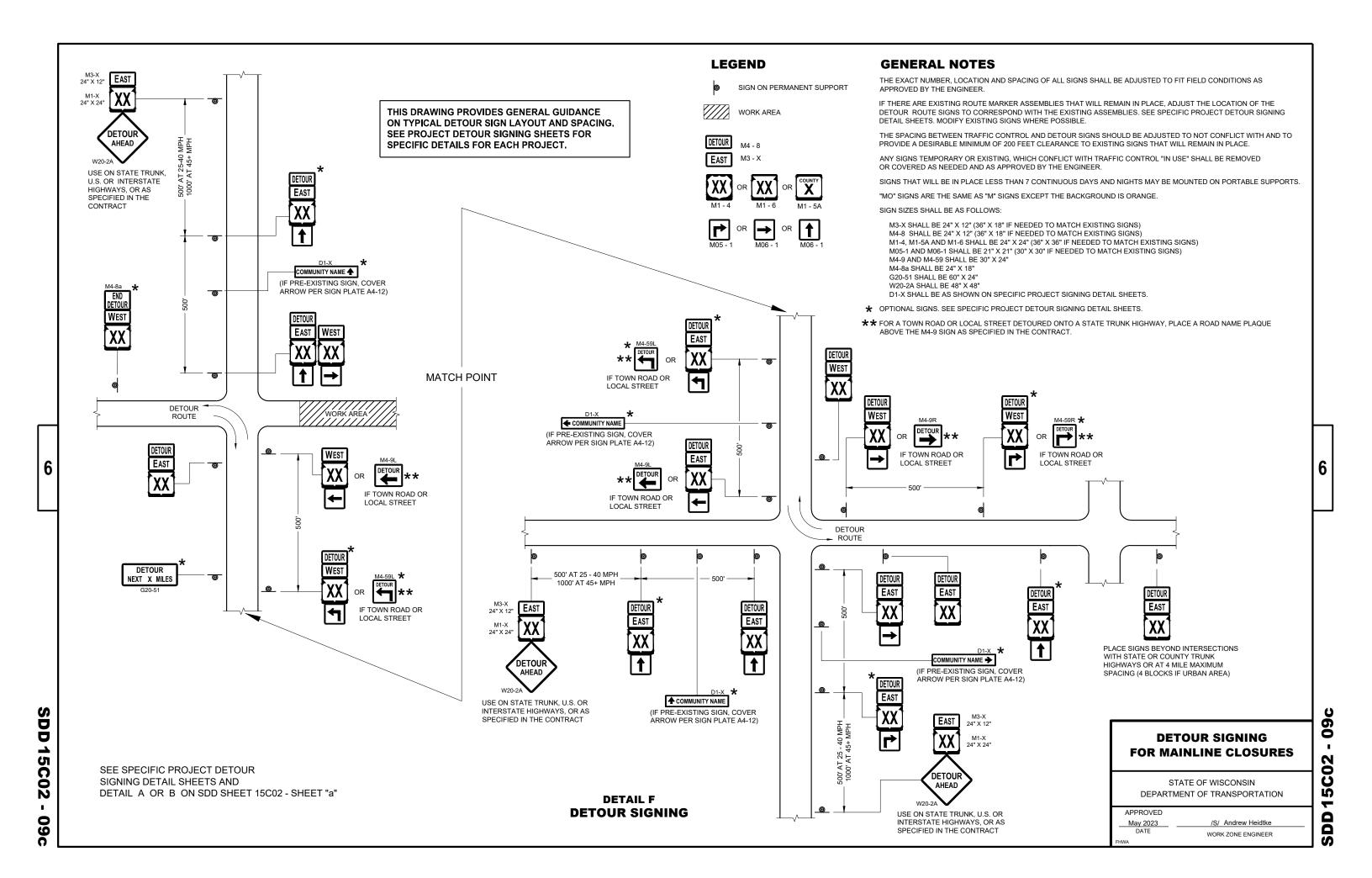
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS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

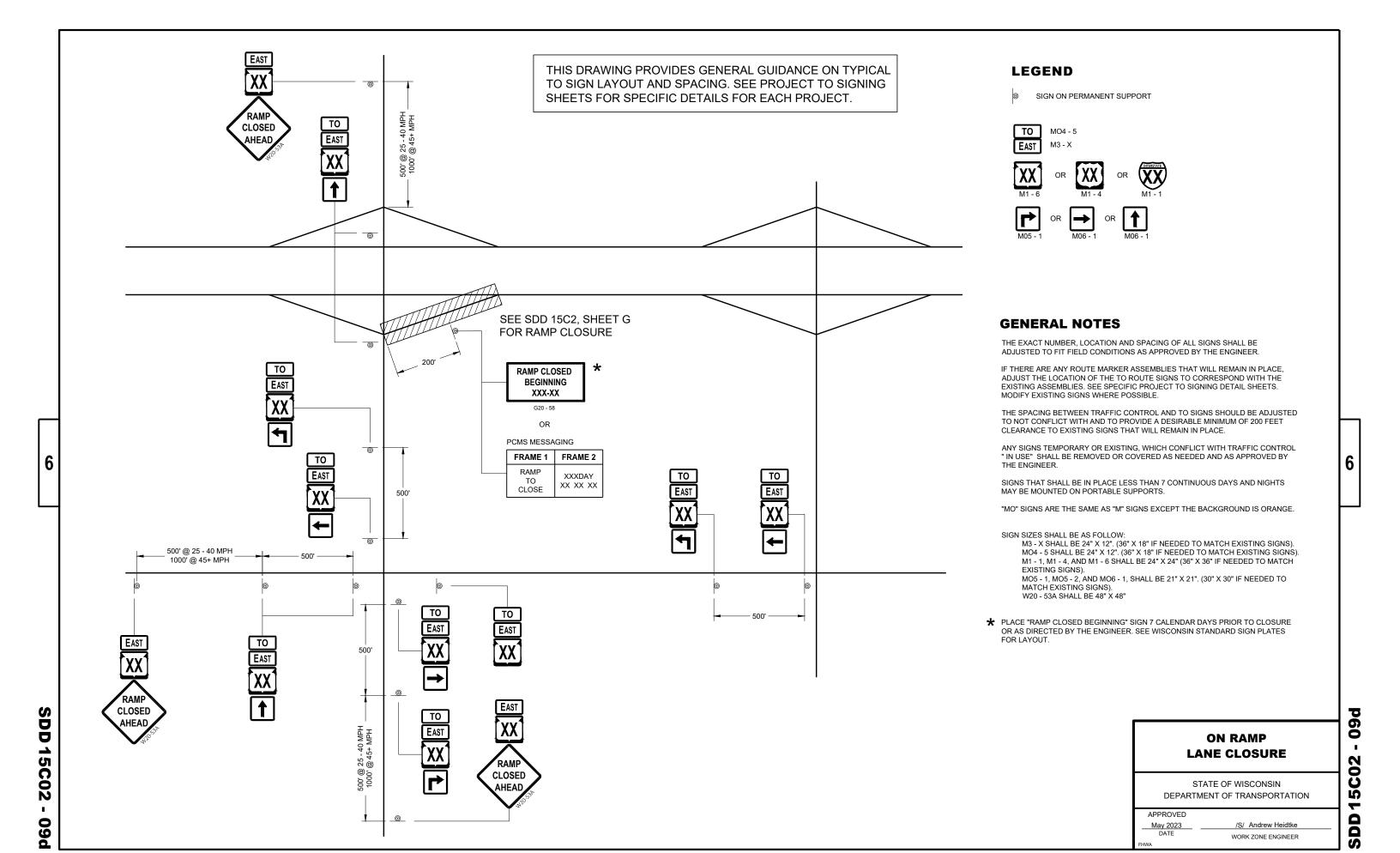
BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

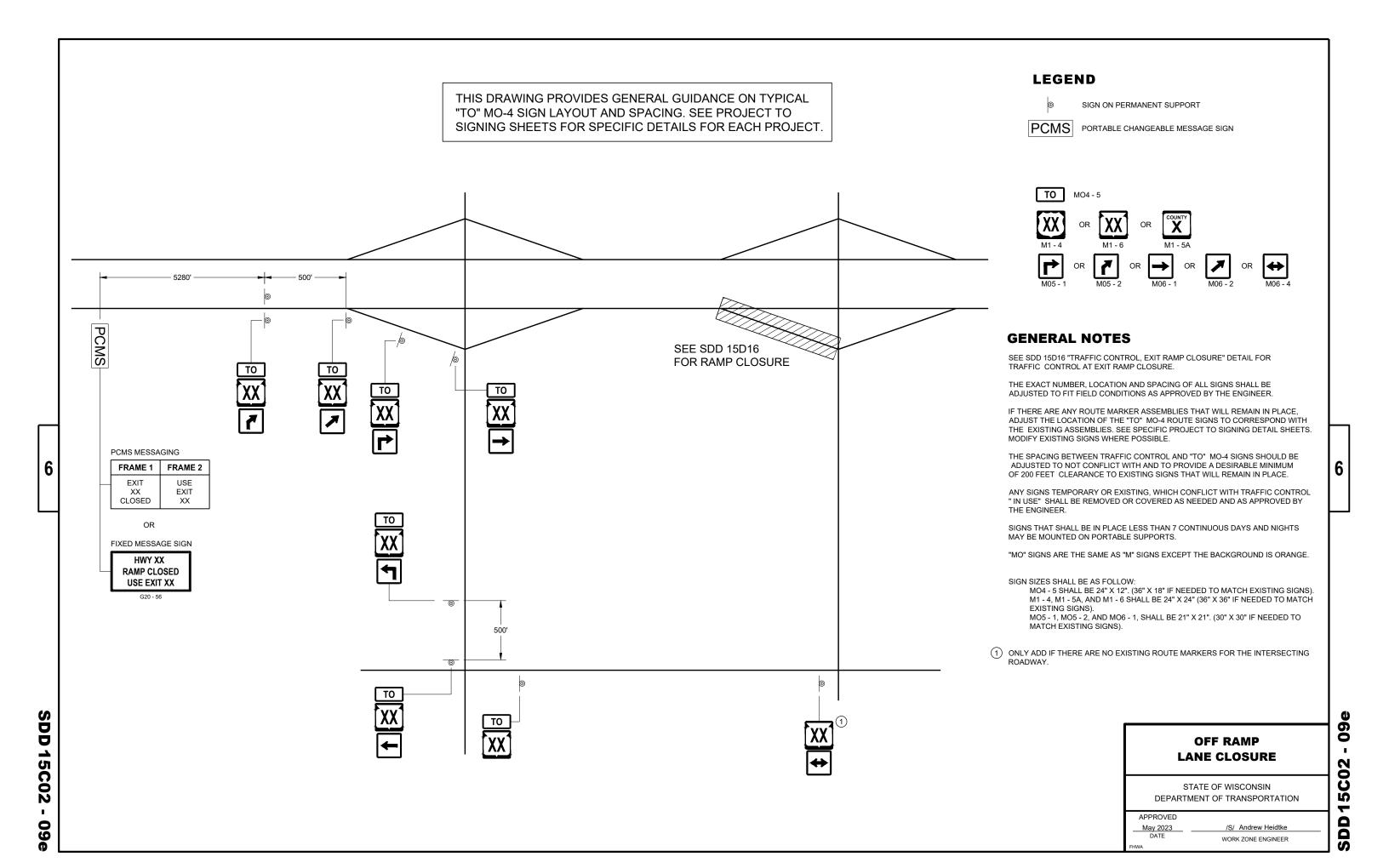
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

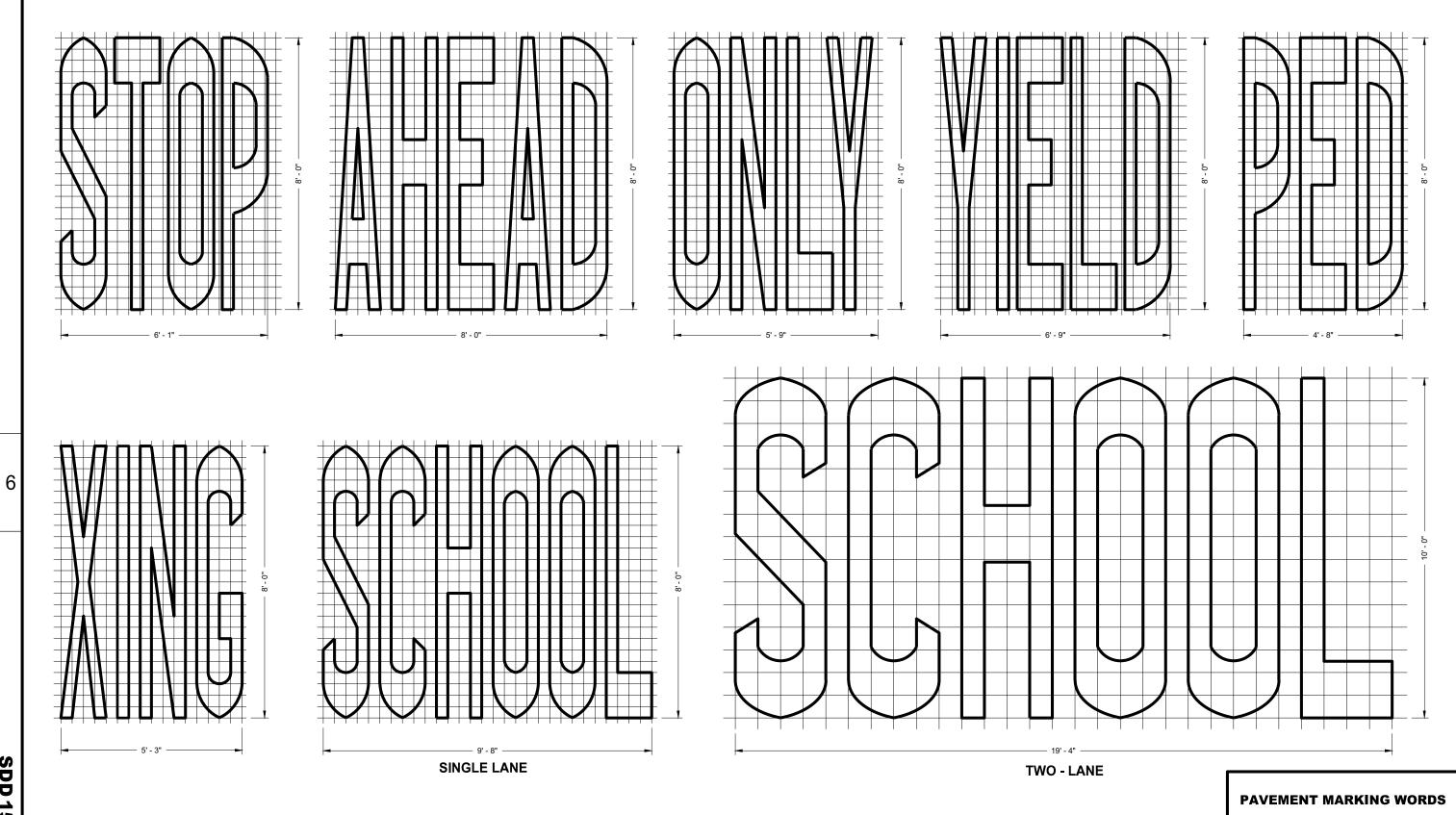
APPROVED May 2023 DATE WORK ZONE ENGINEER

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SDD 15C07 - 15b

GENERAL NOTES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

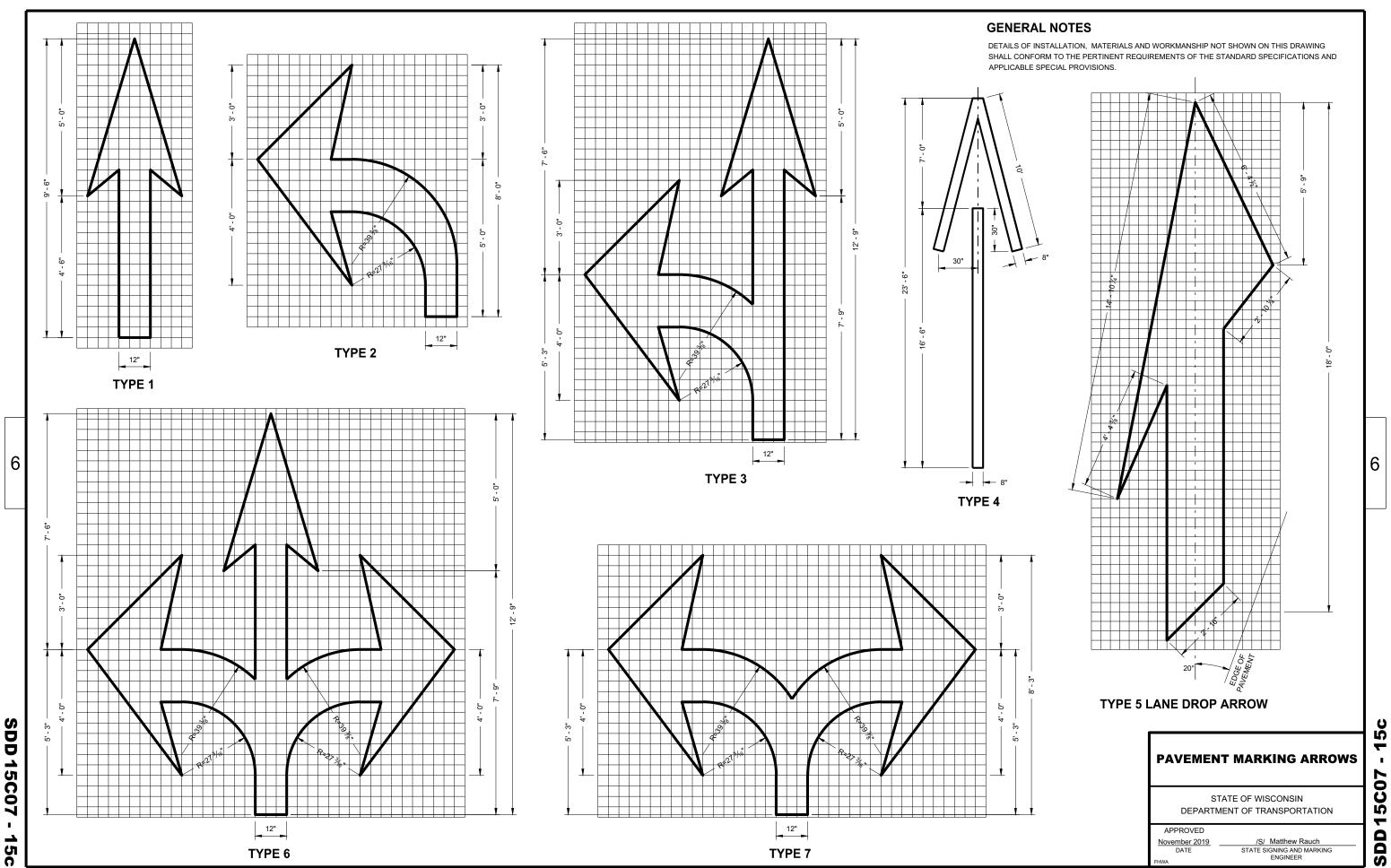
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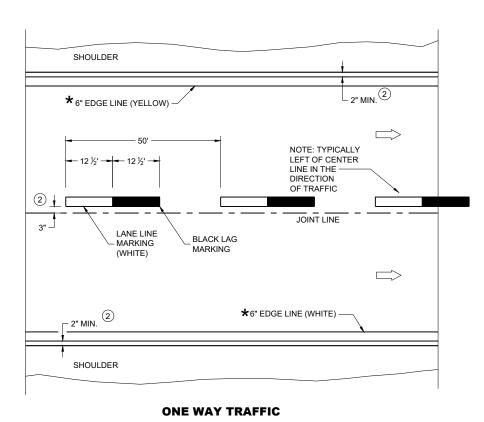
November 2019 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING
ENGINEER



TYPE 7

TYPE 6

SDD



PERMANENT PAVEMENT MARKING

GENERAL NOTES

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

- 1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- (2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL **PAVEMENT MARKINGS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

May 2023 DATE

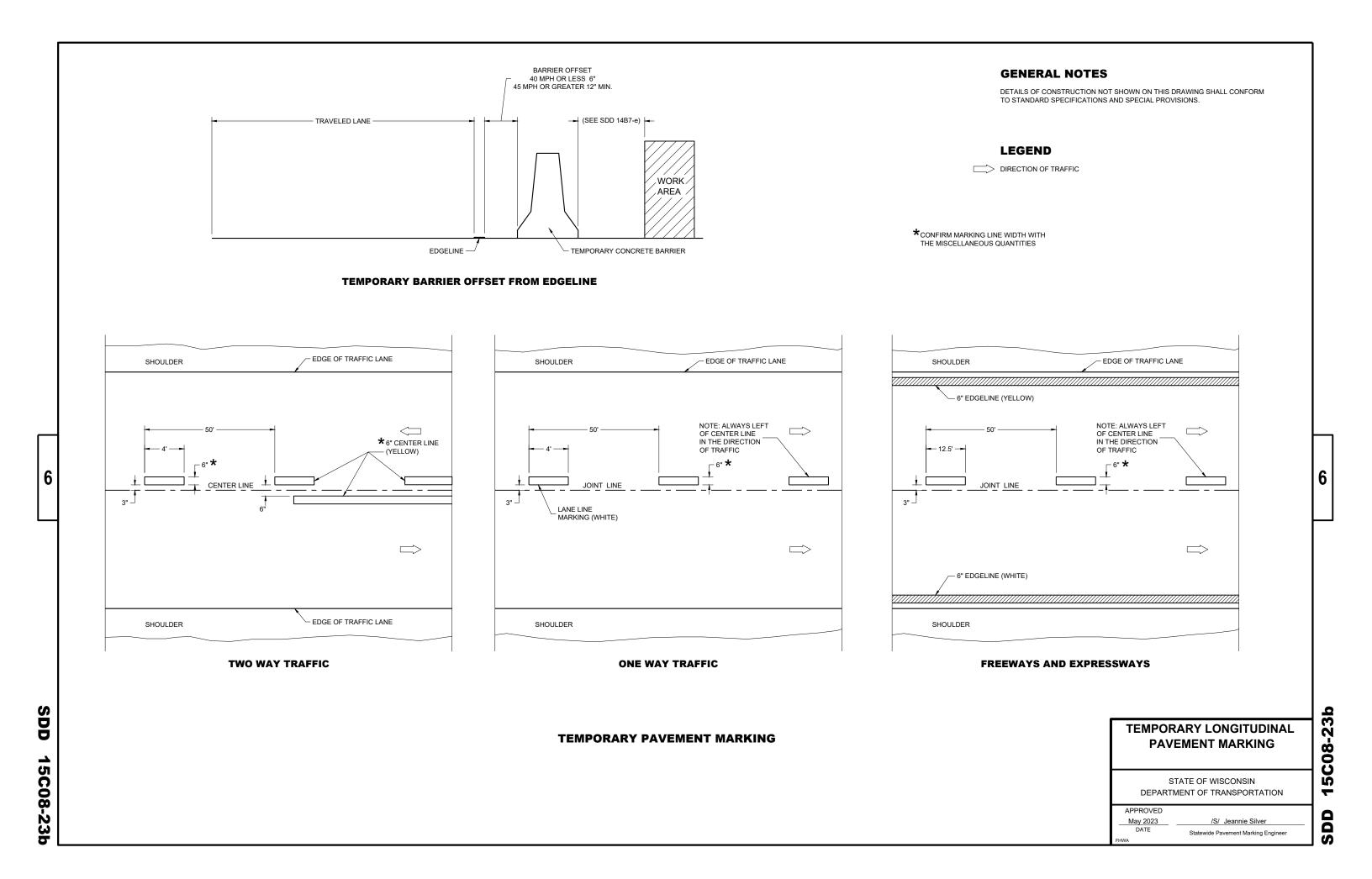
/S/ Jeannie Silver Statewide Pavement Marking Engineer

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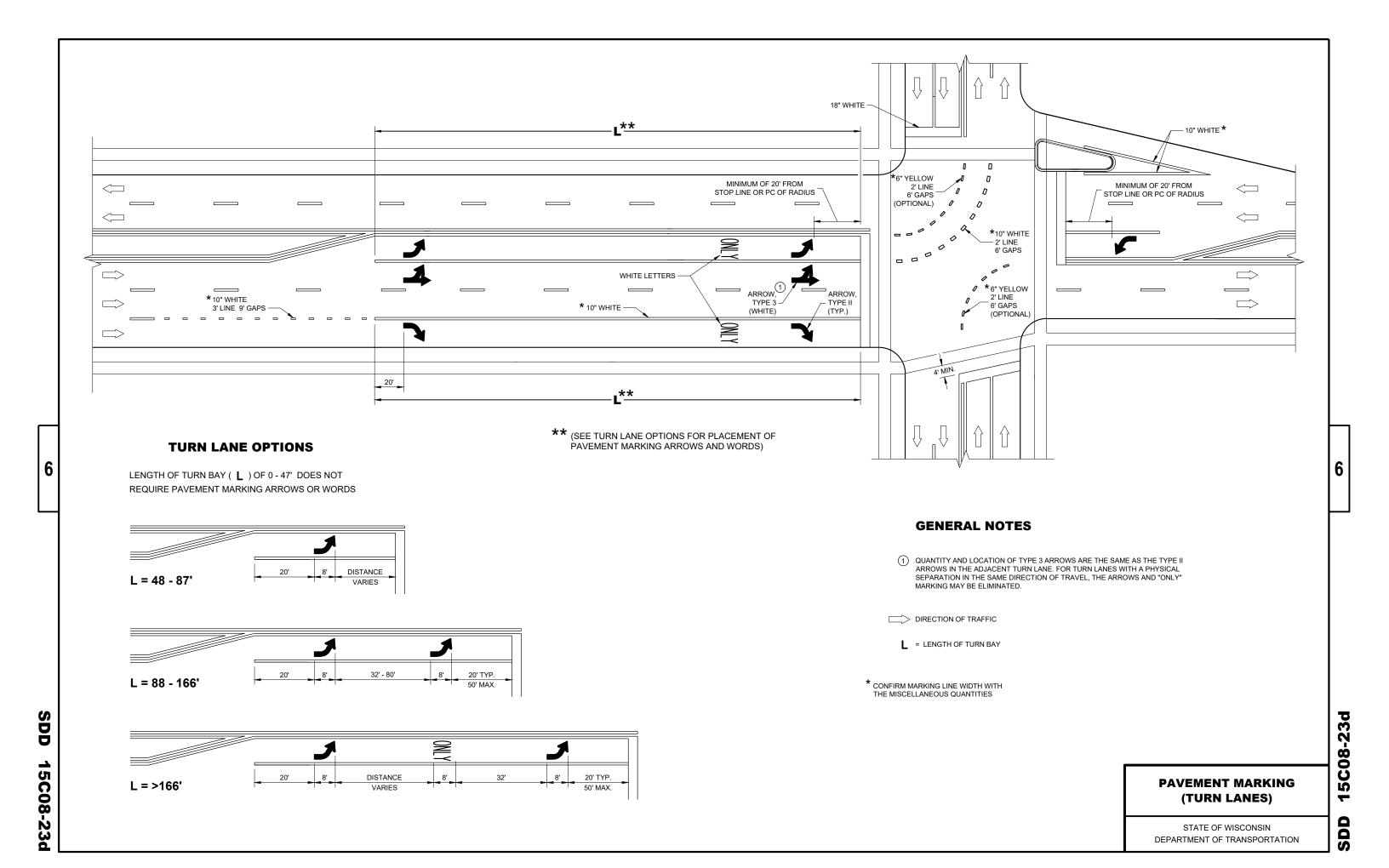
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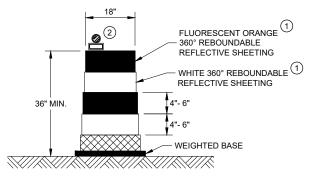
DEPARTMENT OF TRANSPORTATION



SDD 15C11

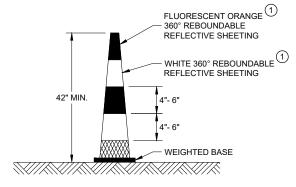
GENERAL NOTES

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



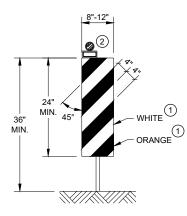
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



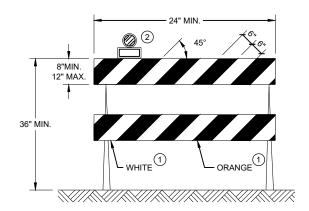
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



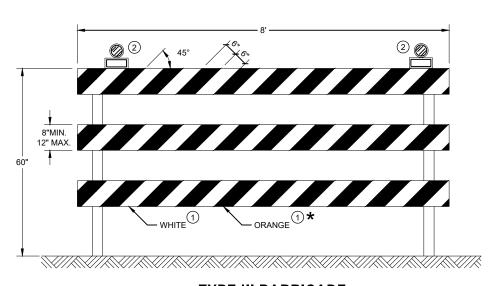
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III 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.

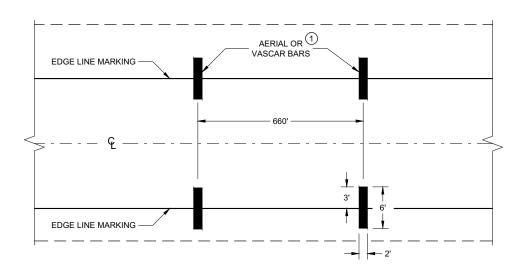
* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

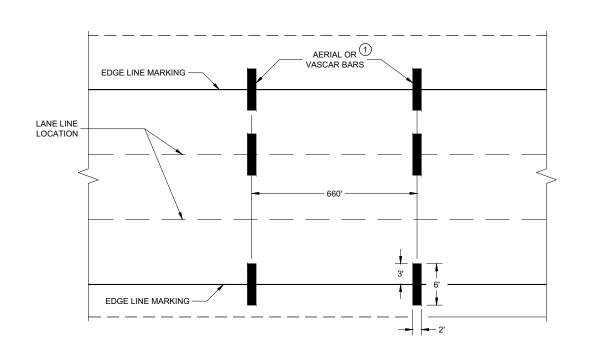
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS

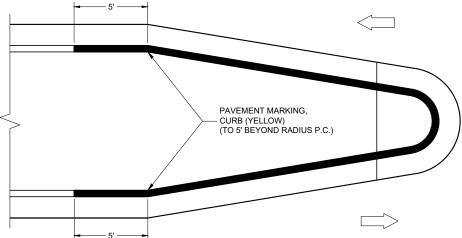
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

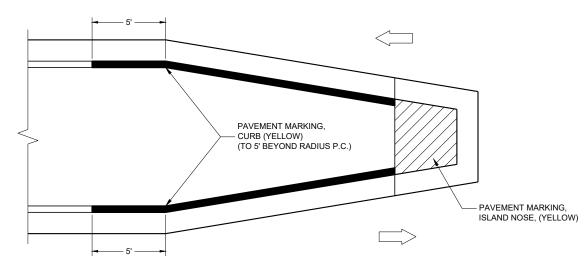
SDD 15C14 - 04

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SDD 15C14-



MEDIAN ISLAND WITH ROUND BLUNT NOSE



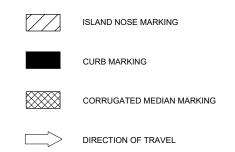
MEDIAN ISLAND WITH SLOPED NOSE

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.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.



PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Jeannie Silver
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

SDD 15C18-08b

SDD 15C18-08

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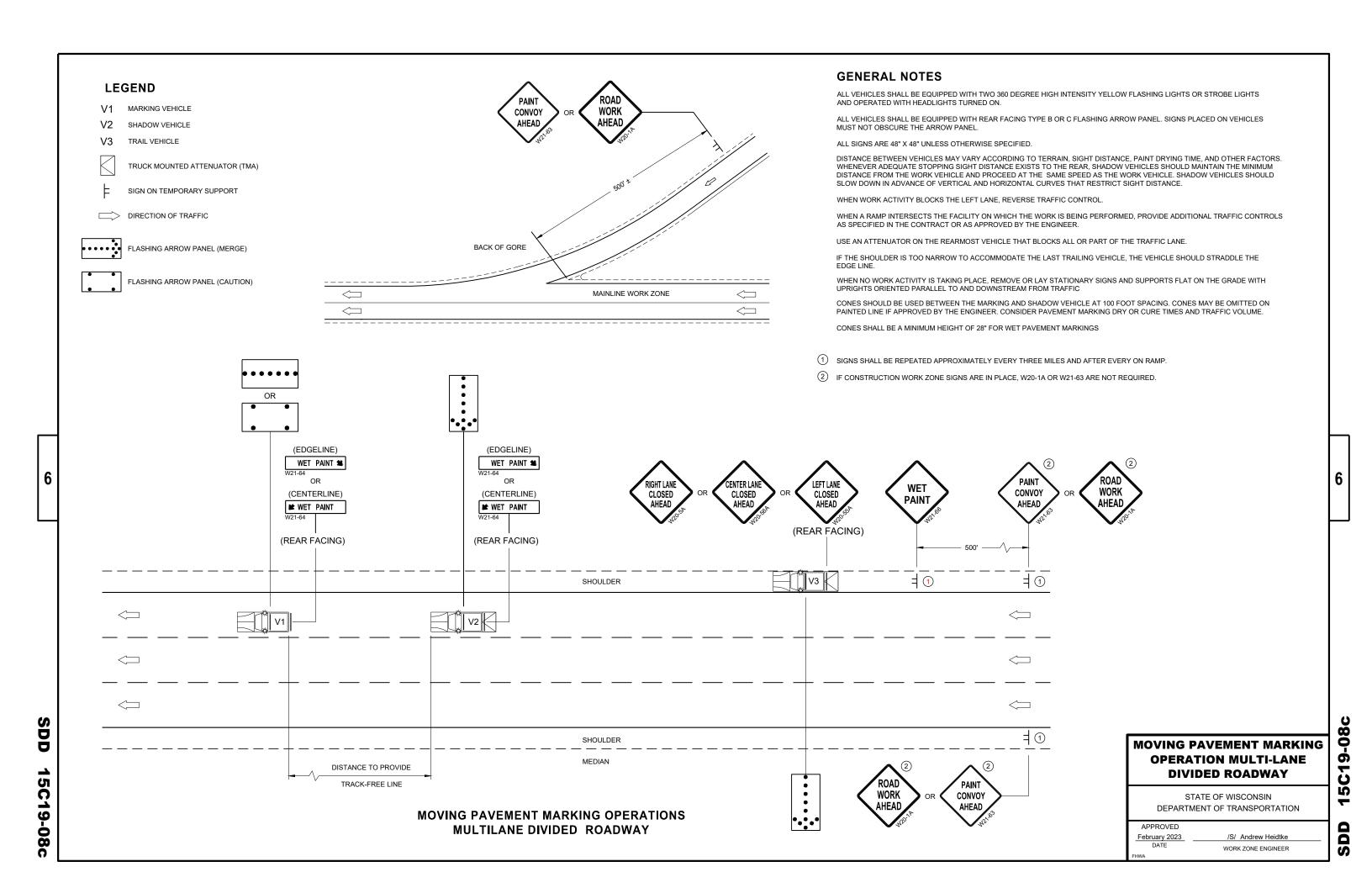
0-6

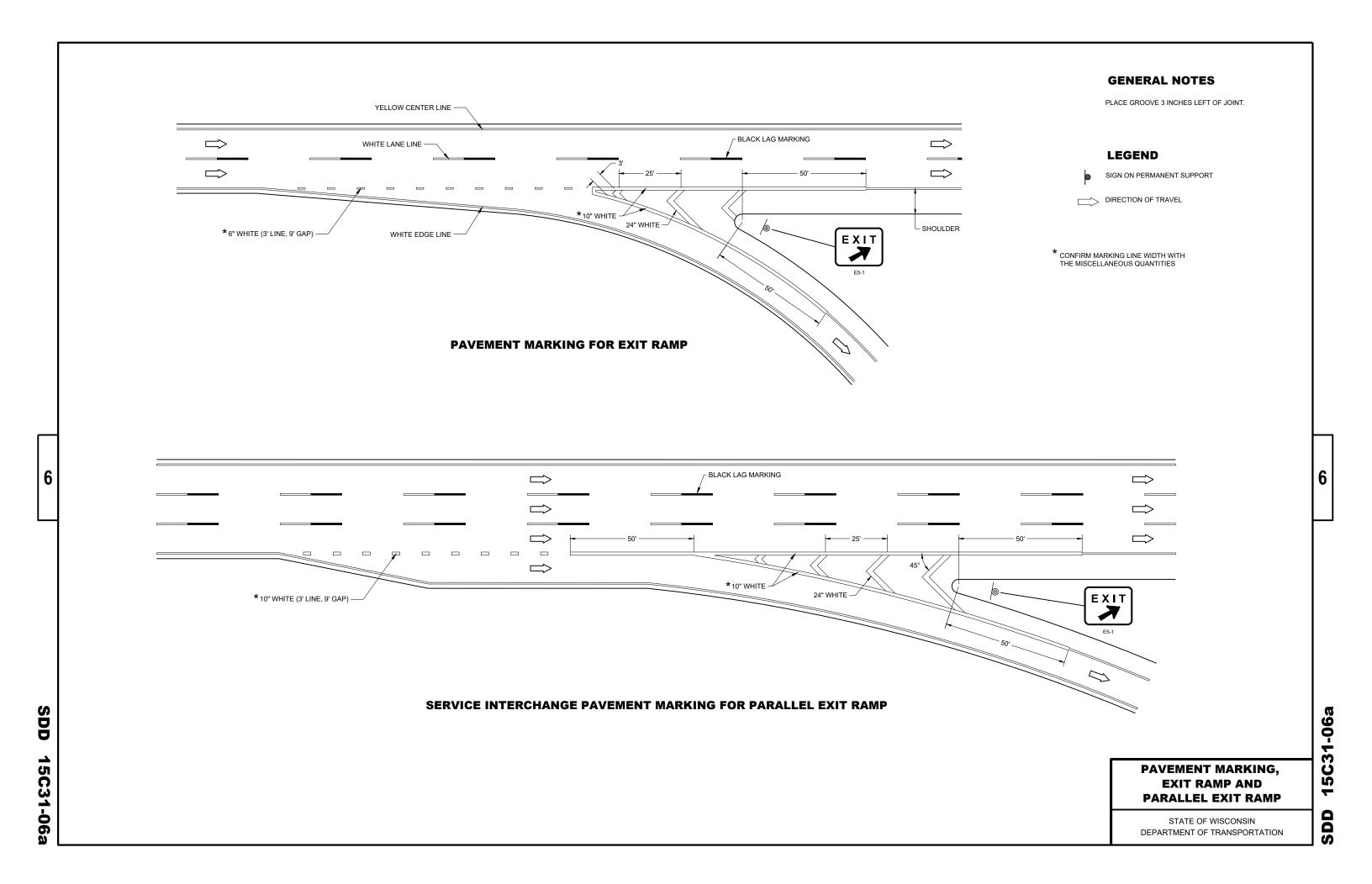
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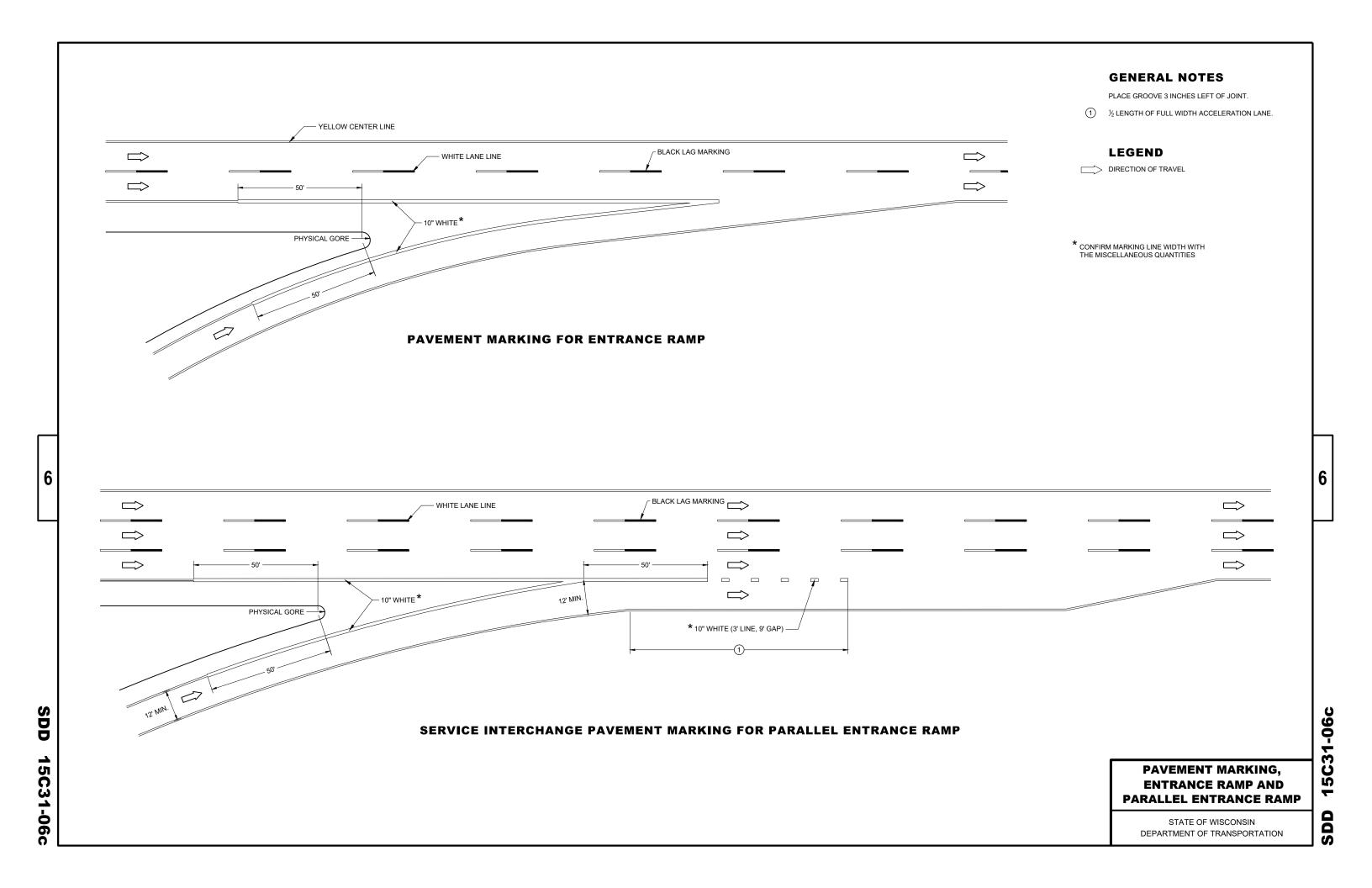


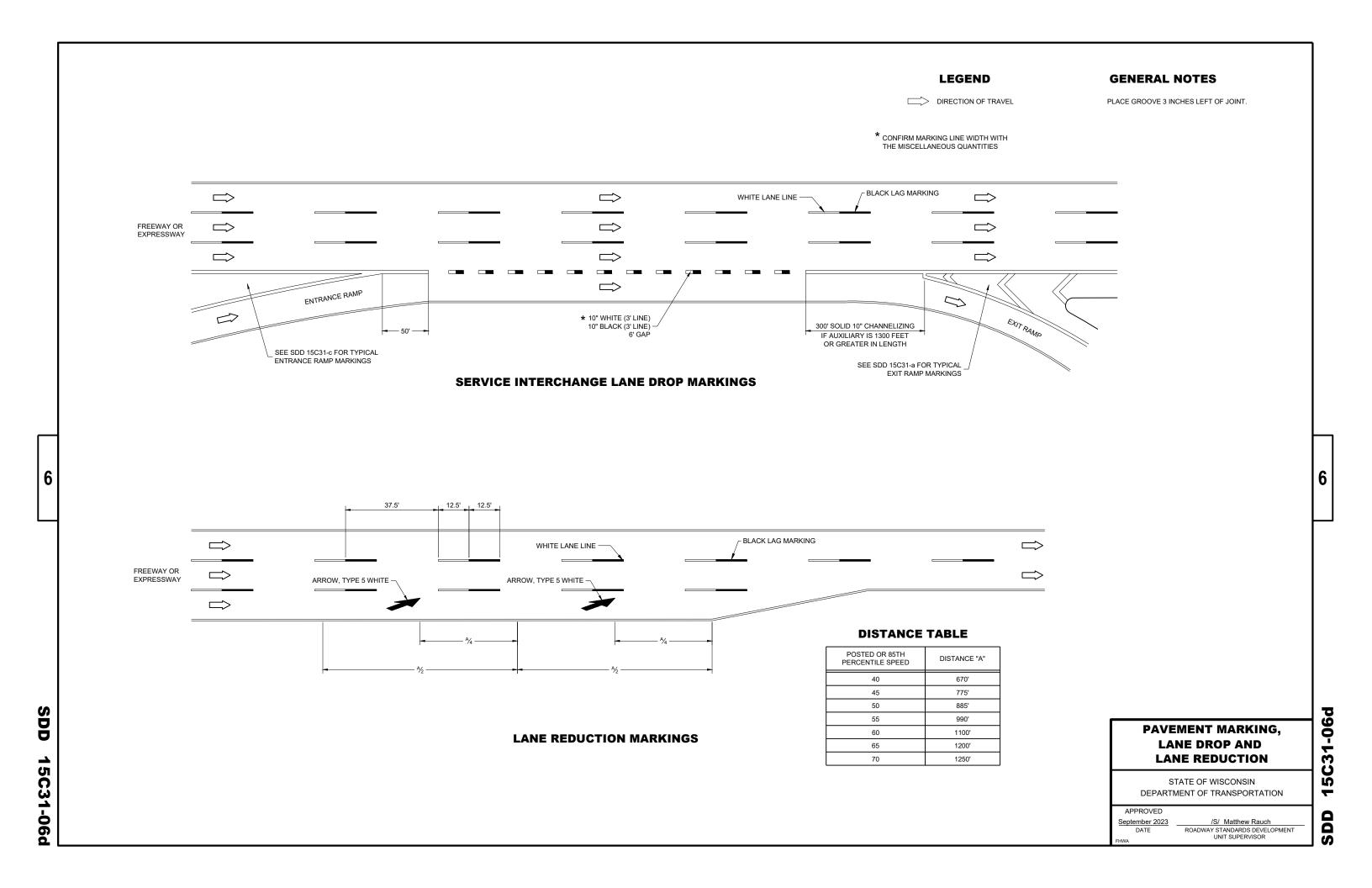


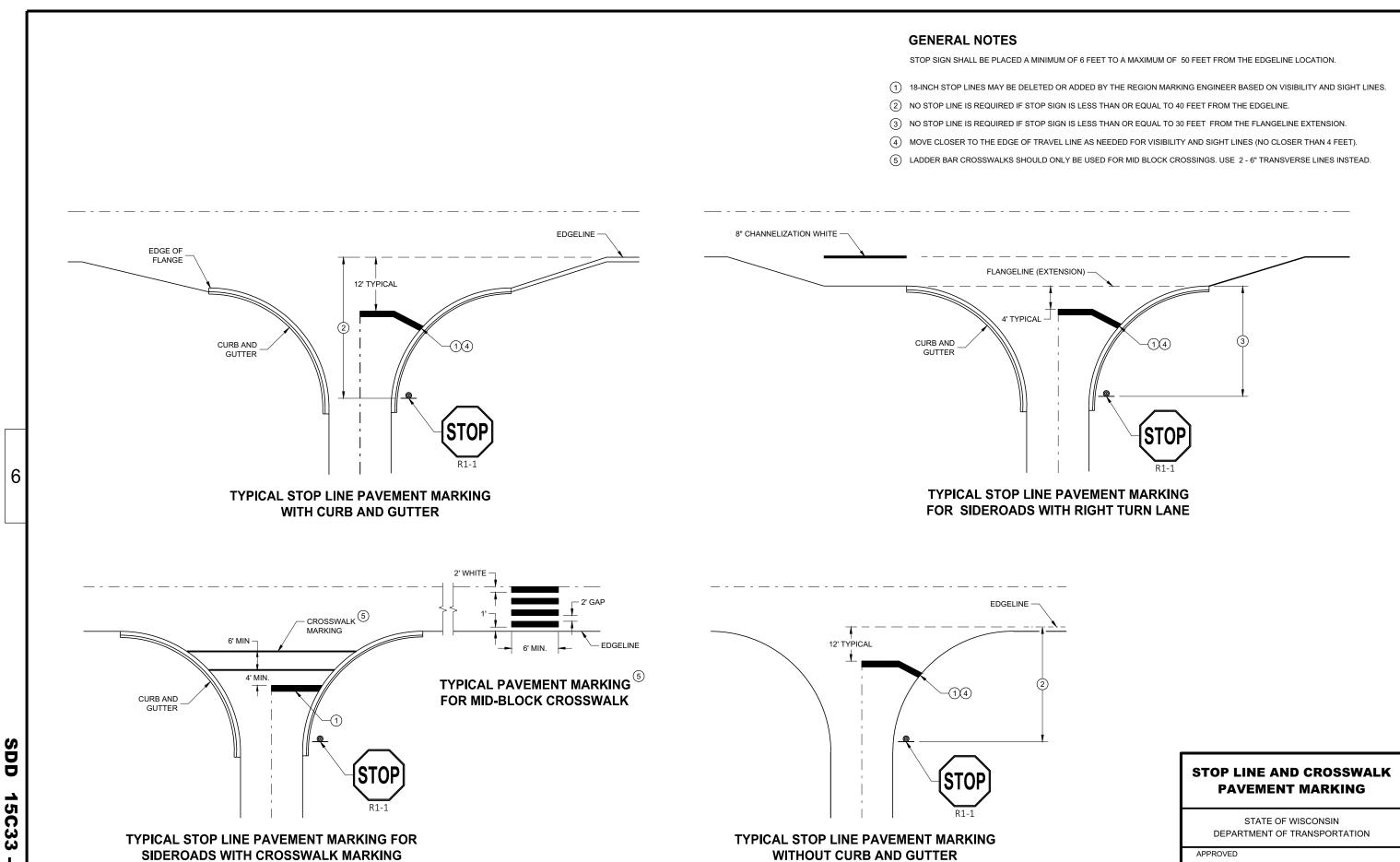
15C31-06b

SDD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION







C33 15 SDD

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

November 2019 DATE

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

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

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

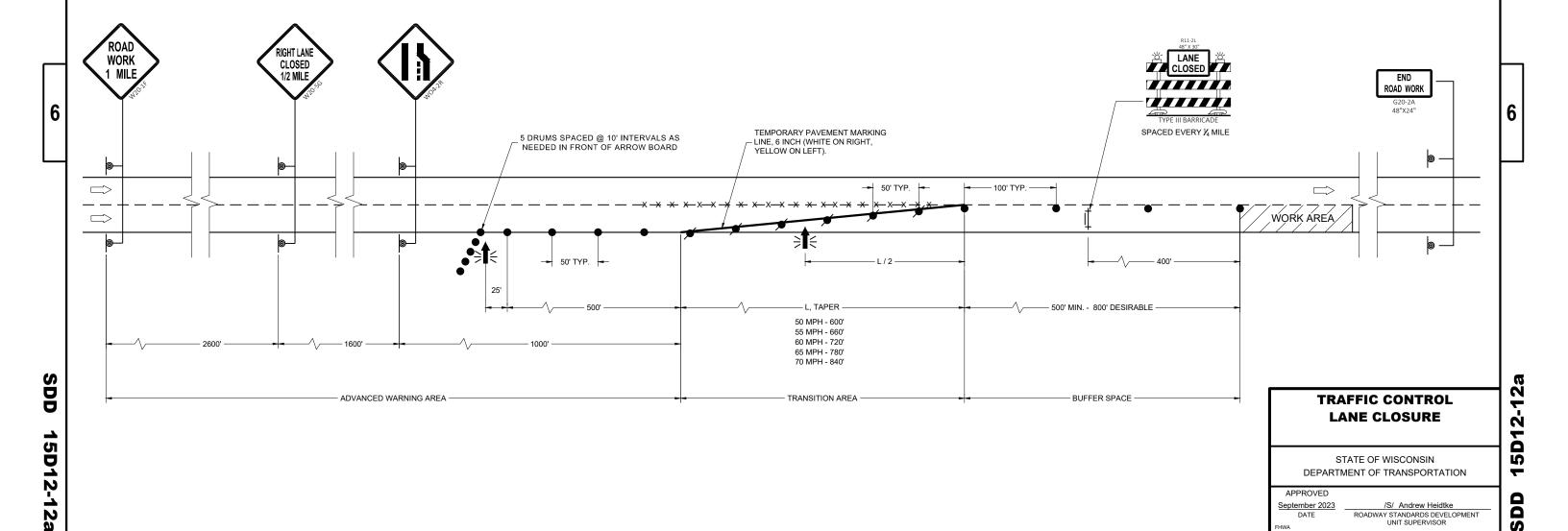
TYPE "A" WARNING LIGHT (FLASHING)

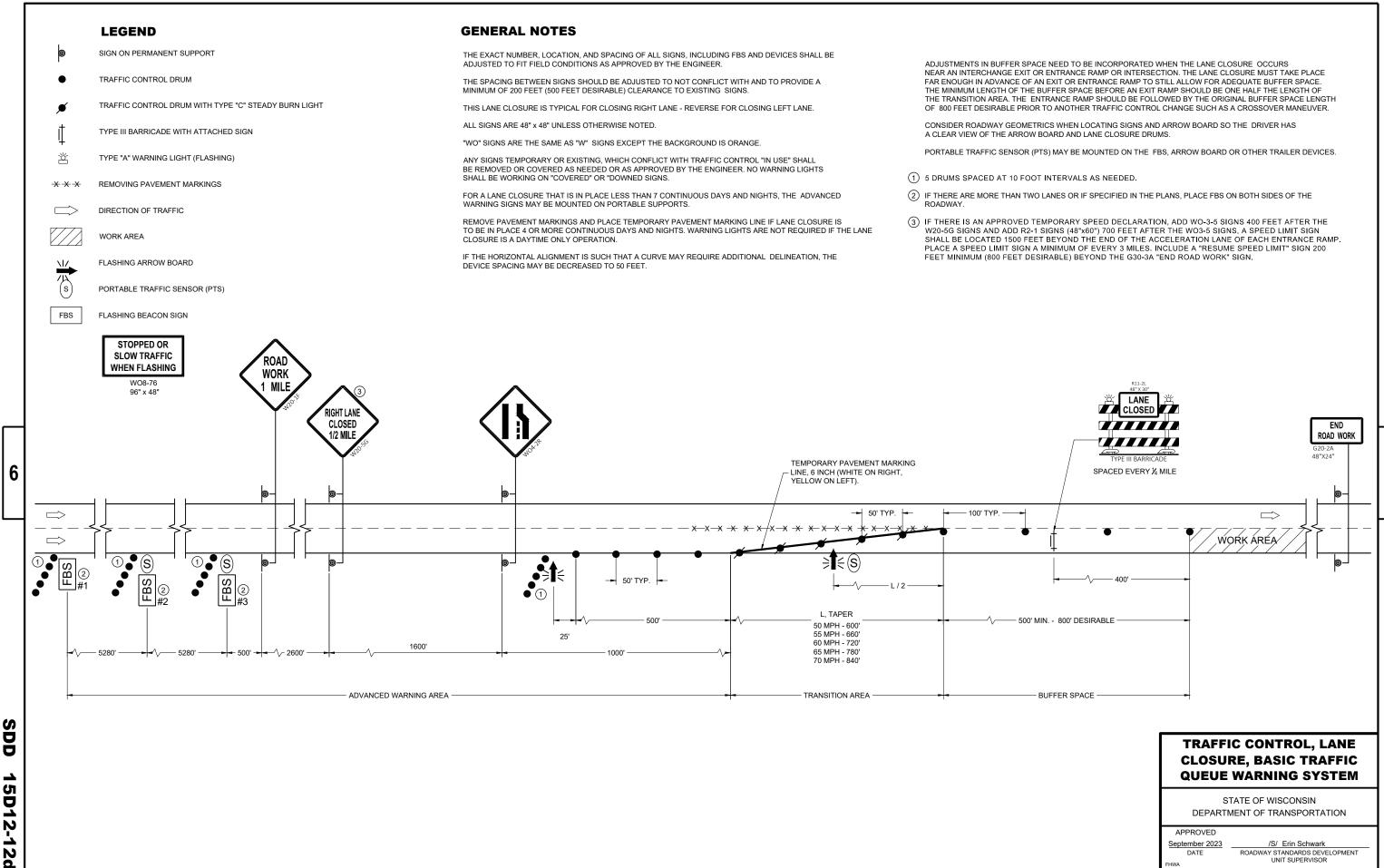
-X-X-X REMOVING PAVEMENT MARKINGS

DIRECTION OF TRAFFIC

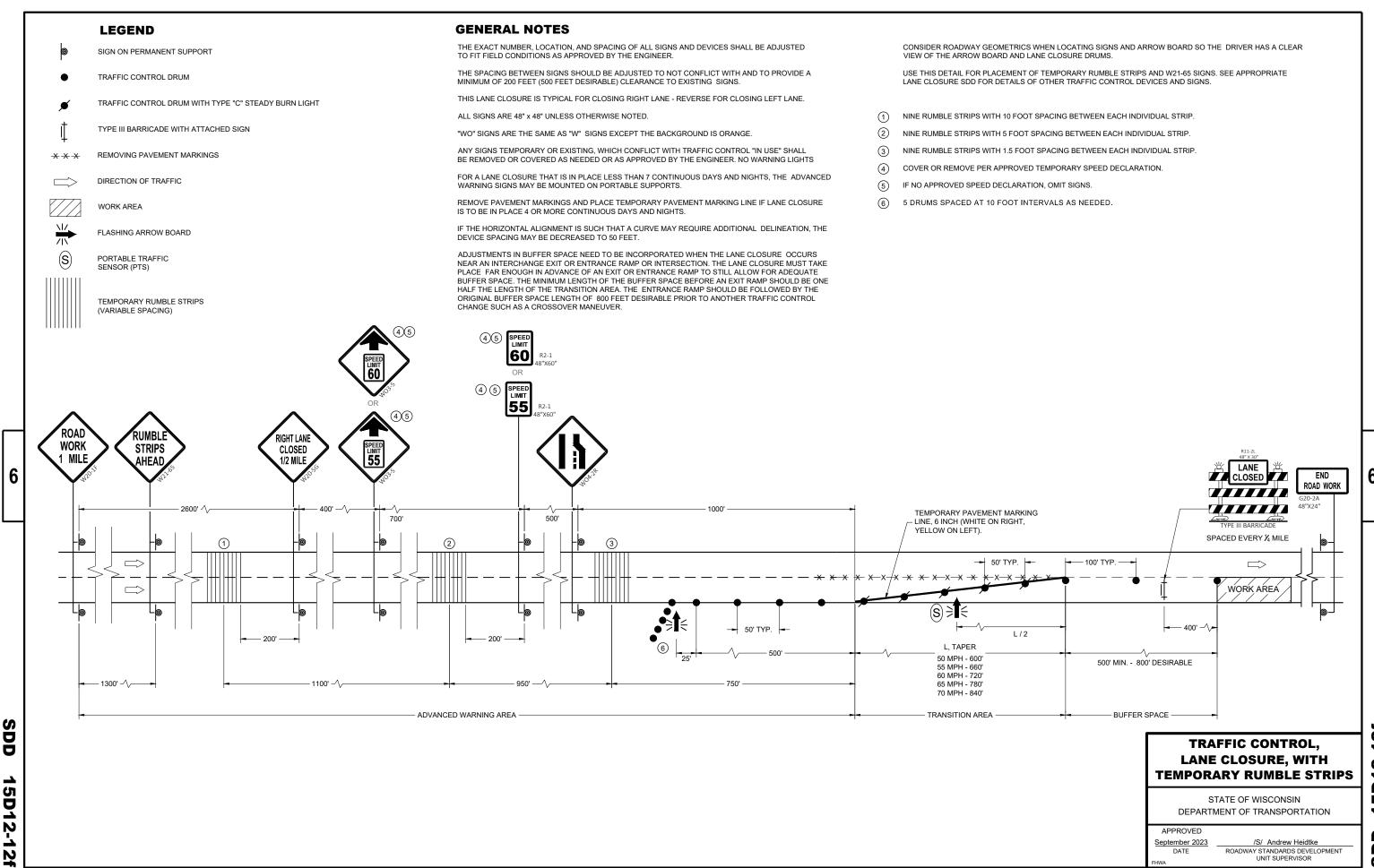
WORK AREA

FLASHING ARROW BOARD





SDD 15D12-12d



DD 15D12-12f

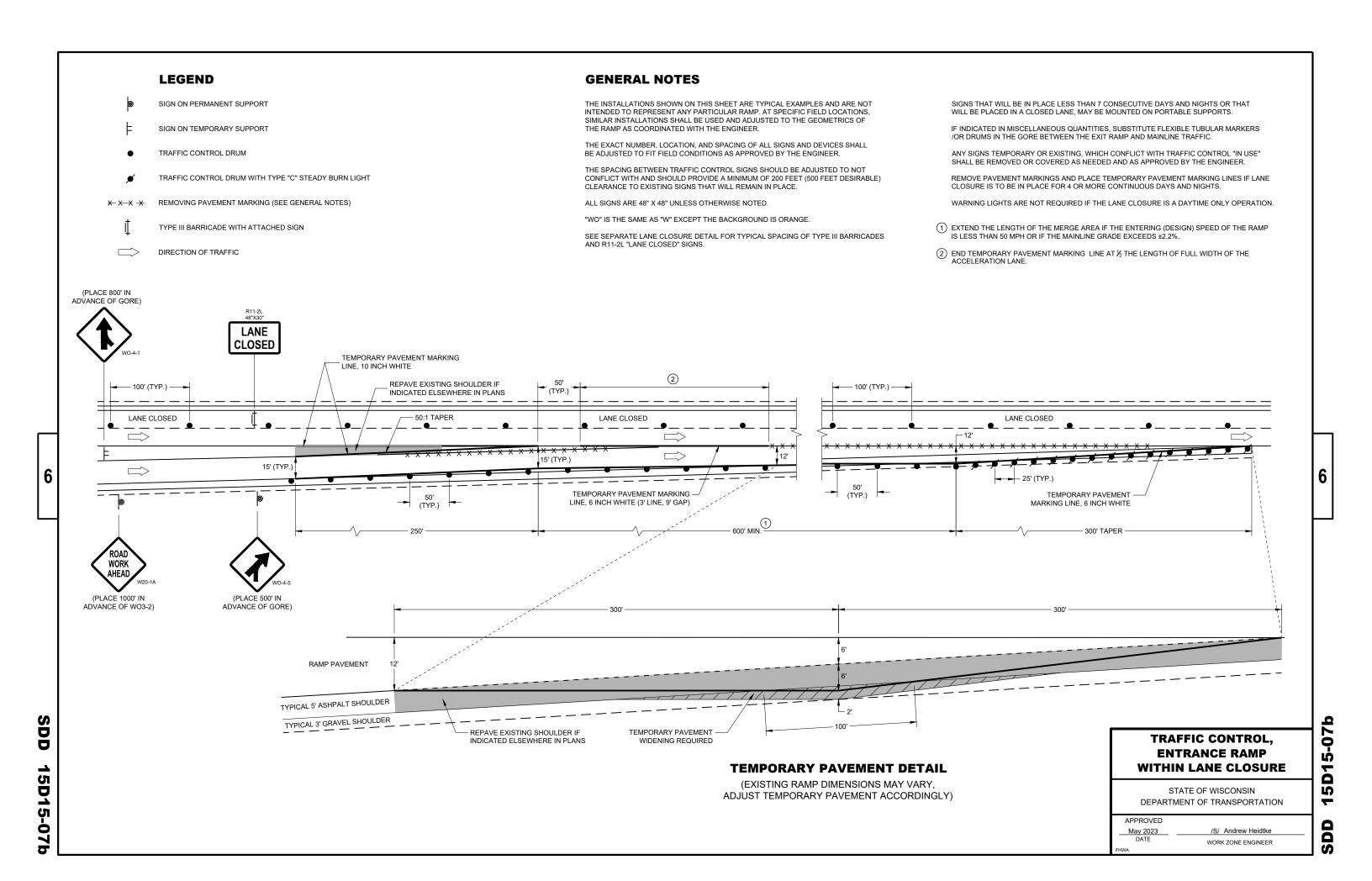
ADVANCE OF GORE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED May 2023 DATE

LANE CLOSED



(PLACE 500' IN

ADVANCE OF YIELD SIGN, R1-2)

AHEAD

(PLACE 500' IN

ADVANCE OF WO3-2)

DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

15D15-0

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/S/ Andrew Heidtke WORK ZONE ENGINEER

(PLACE 500' IN

ADVANCE OF WO3-2)

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE)

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

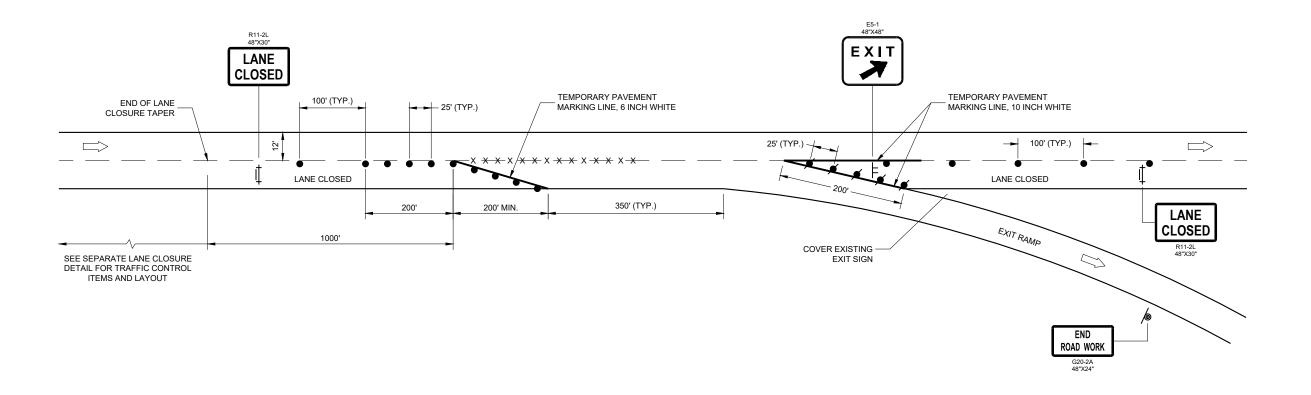
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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



TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

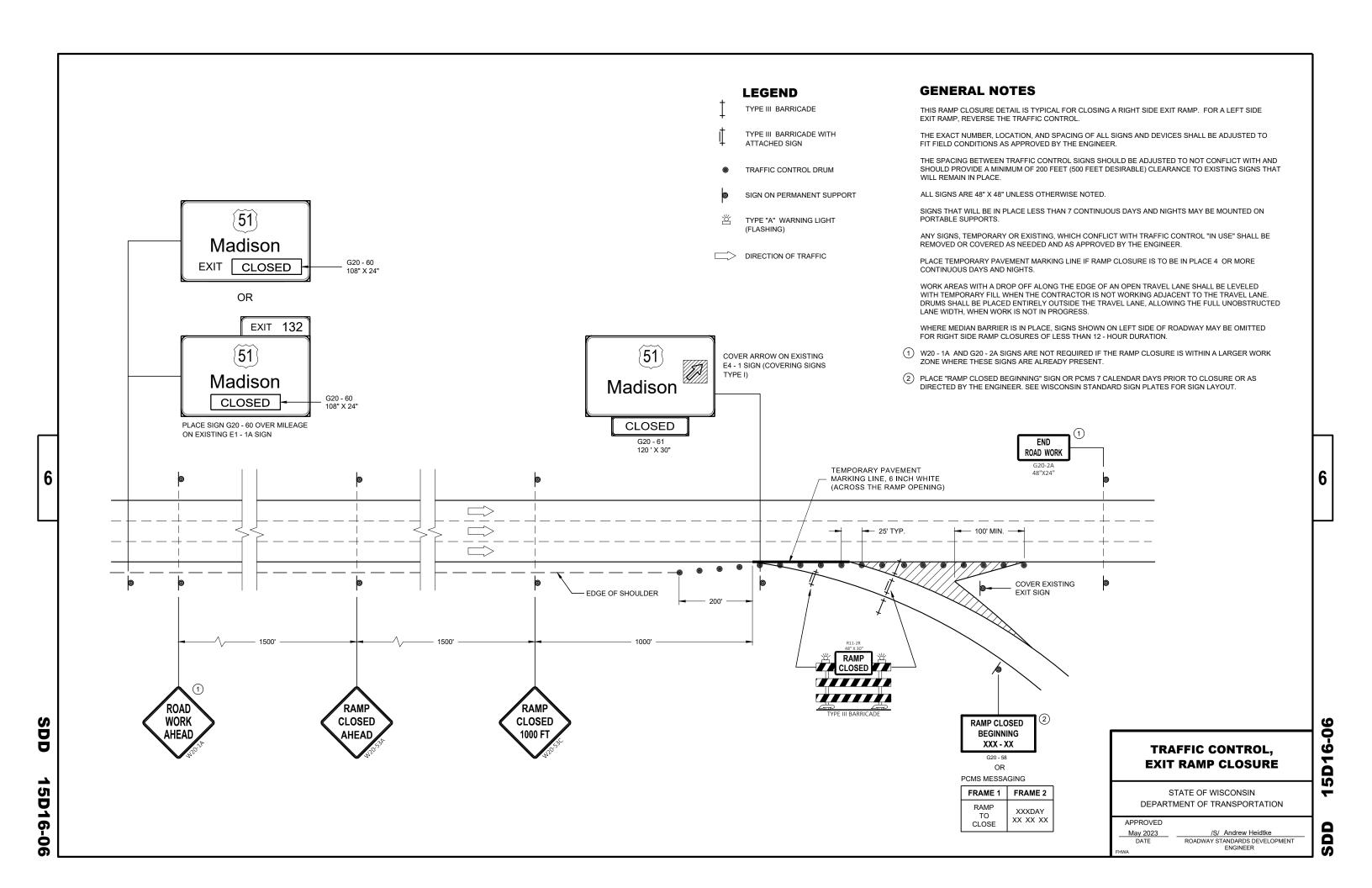
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SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE
WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

X X X REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)

WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

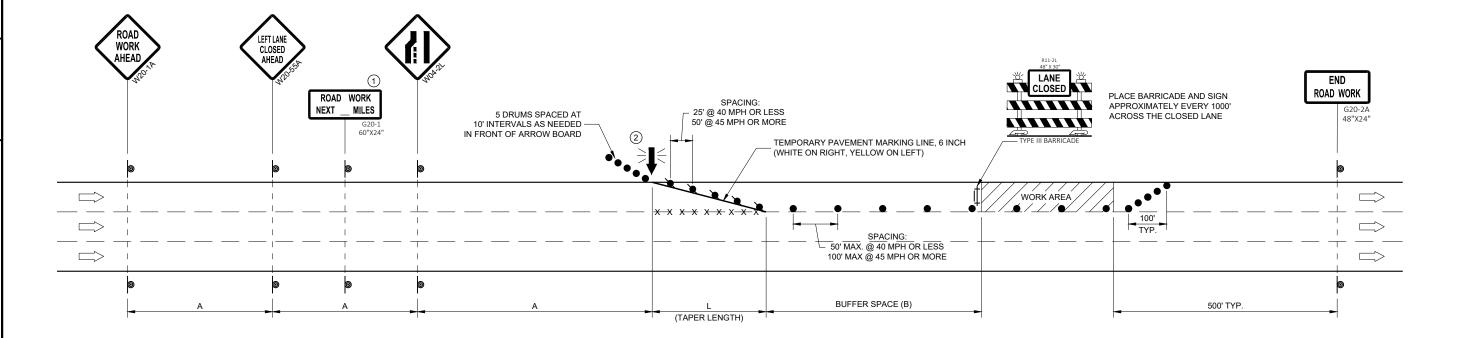
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF FACH WORKING DAY

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

- (1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT ADVANCE TAPER LENGTH | BUFFER PRIOR TO WORK WARNING SIGN (12 FT. LANE) SPACE STARTING (MPH) SPACING (A) FEET (L) FEET (B) FEET 25 200' 125' 55' 30 200' 180' 85' 35 350' 245' 120' 40 170' 350 320' 45 500' 540' 220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

D20-0

D

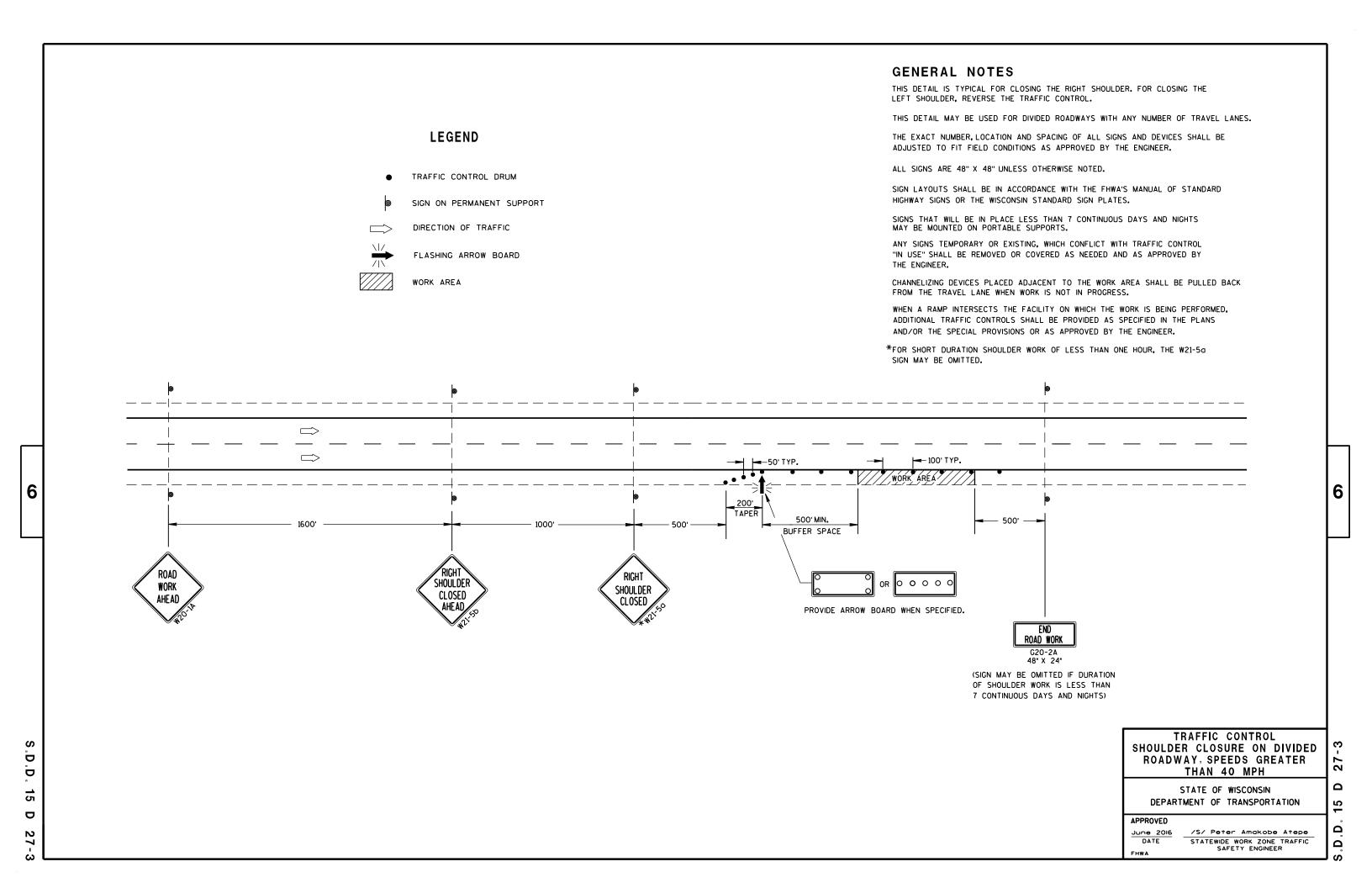
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

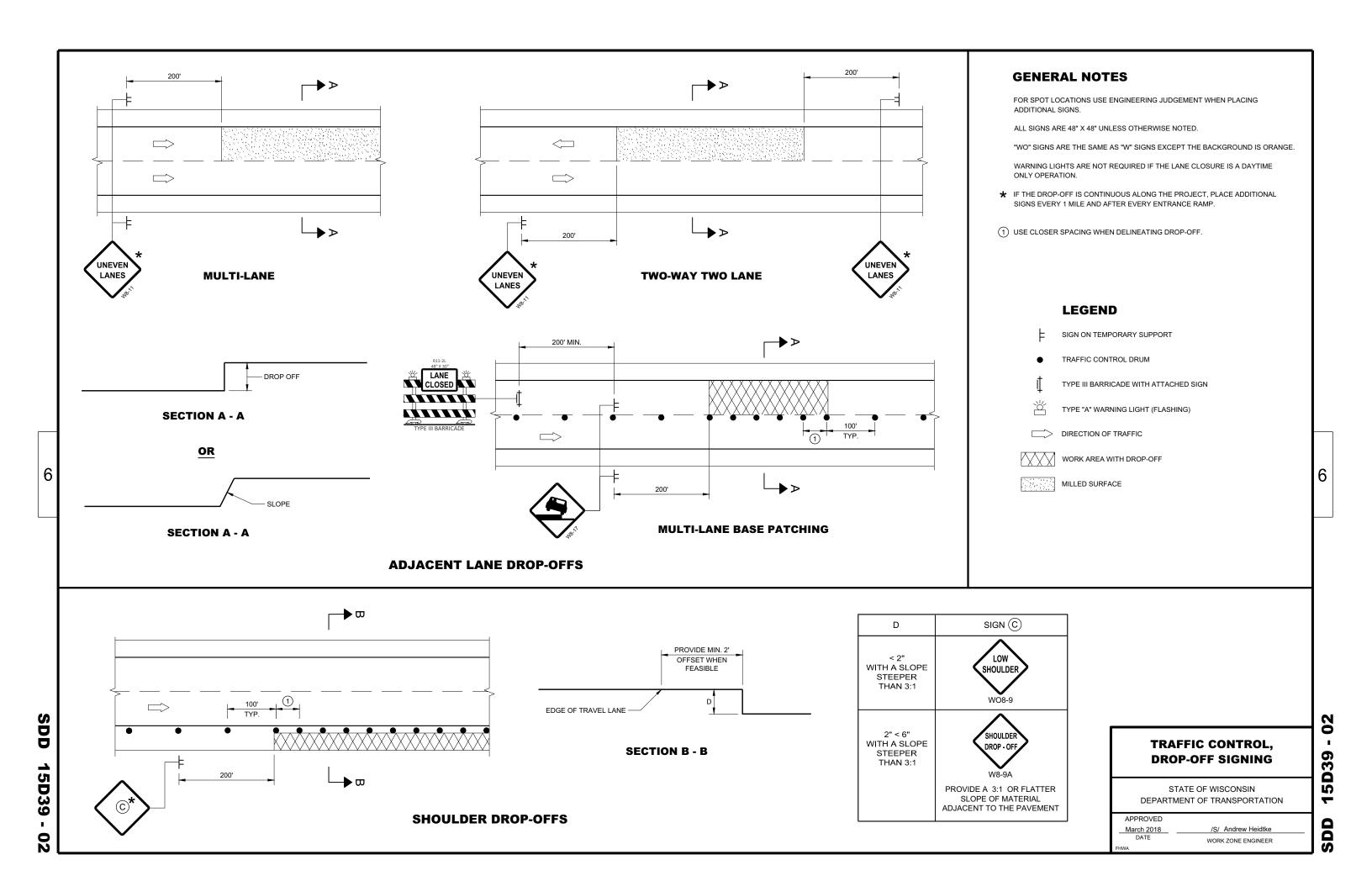
 APPROVED
 /S/ Andrew Heidtke

 May 2023
 /S/ Andrew Heidtke

 DATE
 WORK ZONE ENGINEER

SDD 15D20-07



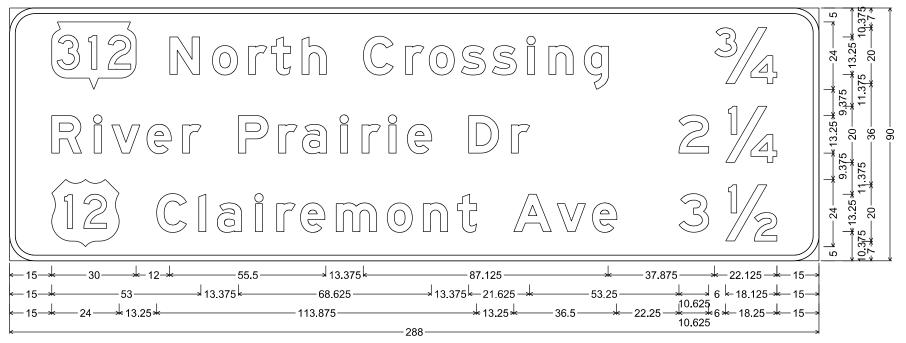


- 1. All Signs Type I Type SH Reflective
- 2. Color:

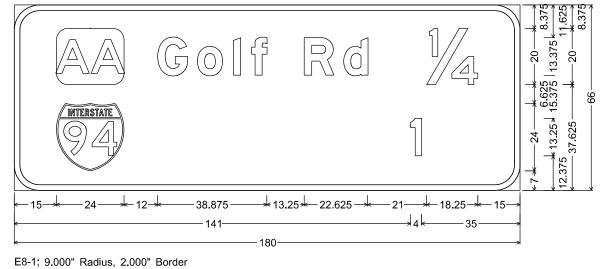
Background - Green

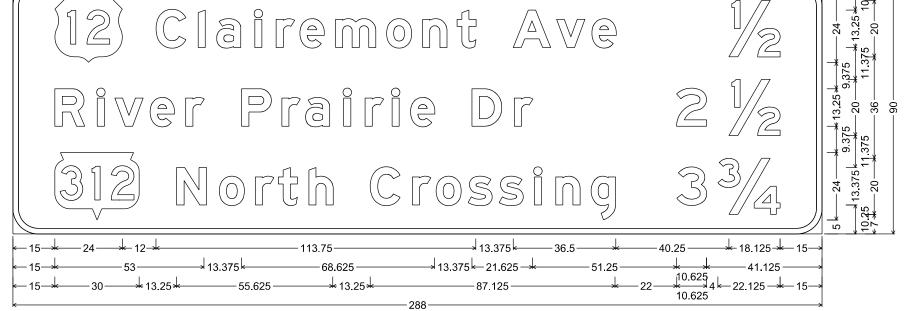
Message - White

3. Message Series - E Modified except all CAP words Series E



E8-1, 9.000" Radius, 2.000" Border





E8-1; 9.000" Radius, 2.000" Border

HWY: USH 53 COUNTY: EAU CLAIRE/CHIPPEWA Ε PROJECT NO: 1190-06-61 PERMANENT SIGNING SHEET NO:

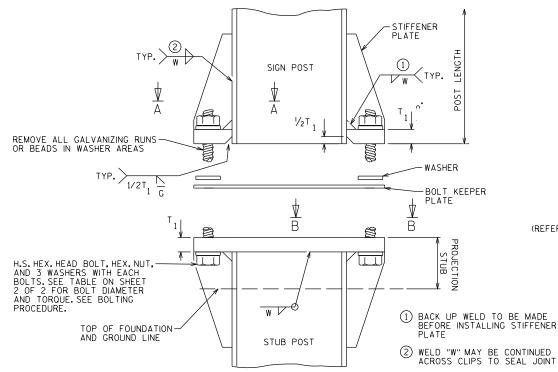
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PLOT DATE: 27-APR 2023 3:18

PLOT BY: mscj9h

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

PLOT NAME :



STEEL PLATE

STIFFENER PLATE DETAIL (REFER TO TABLE ON SHEET 2 OF 2 FOR DIMENSIONS)

PERFORATED FUSE PLATE

€ OF POST -CUT AND FUSE PLATES

FLAT WASHER

K/2 K/2 DIA. = D € FUSE PLATE FUSE

PERFORATED FUSE PLATE DETAIL

USE H.S. HEX HEAD BOLTS, HEX HEAD NUT AND FLAT WASHER UNDER NUT. INSTALL BOLTS PER THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTION 506.3.12.3.

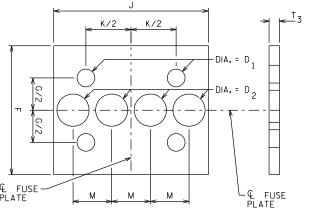
ALL HOLES SHALL BE DRILLED, SUB-PUNCHED AND REAMED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED. STEEL FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. ASTM A572 GRADE 50 OR ASTM A588 MAY BE SUBSTITUTED FOR A36 AT THE OPTION OF THE FABRICATOR. MILL TEST REPORTS SHALL BE SUBMITTED FOR FUSE PLATES. STEEL USED SHALL HAVE AN ULTIMATE TENSILE STRENGTH NOT TO EXCEED 80 KSI.

PERFORATED FUSE PLATE

-PARTS SHALL BE SAW CUT EITHER BEFORE GALVANIZING AND THE GALVANZED CUT CLEANED OF ZINC BUILD-UP, OR SAW CUT AFTER GALVANIZING AND THE CUT

SURFACE REPAIRED.

-FLAT WASHER



-BOTTOM OF LOWEST SIGN PANEL SEE TABLE (SHEET 2 OF F/2 + 1/2" F/2 28 U OF CUT AND FUSE SEE "FUSE PLATE -CONNECTION DETAIL" SEE "SIGN POST & STUB POST ELEVATION" DETAIL -1 ¼" DIA. HOLE FOR HANDLING

- SIGN FACE

-TOP OF POST

& PRIMARY SIGN PANEL

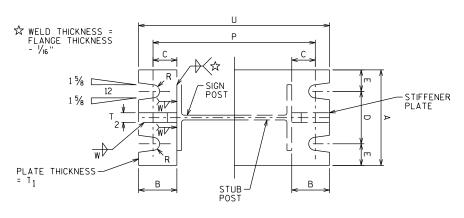
FXTRUDED

ALUMINUM SIGN PANELS

FXIT NUMBER SUPPORT

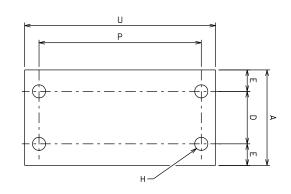
1 1/4" DIA. HOLE FOR HANDLING

SIGN POST & STUB POST ELEVATION



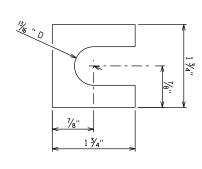
SECTION A-A

SECTION B-B



H = BOLT DIA. + 1/8"

BOLT KEEPER PLATE DETAIL 30 GA GALVANIZED SHEET STEEL



SHIM DETAIL

FURNISH TWO .012"± THICK AND TWO .032"± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B36.

BOLTING PROCEDURE FOR BASE CONNECTION

-FLANGE HOLES SHALL BE DRILLED

- 1. ASSEMBLE SIGN POST, BOLT KEEPER PLATE, AND STUB POST WITH BOLTS AND THREE FLAT WASHERS PER BOLT AS SHOWN.
- 2. SHIM AS REQUIRED TO PLUMB POST.

-FLAT WASHERS-(TYP.)

FUSE PLATE CONNECTION DETAIL

- 3. PRIOR TO BOLT TIGHTENING, LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
- 4. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS.
- 5. LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PERSCRIBED TORQUE, (SEE TABLE FOR PERSCRIBED TORQUE), DO NOT OVER-TIGHTEN.
- 6. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

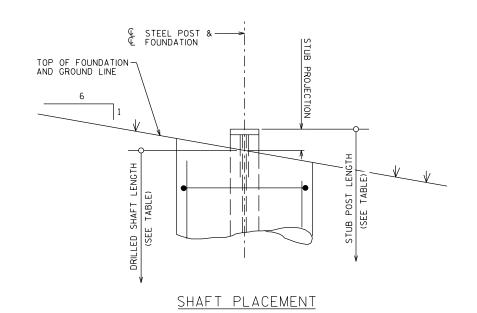
POST DETAIL

NO.	DATE	RE	EVISION			BY
	S	STATE OF DEPARTMENT OF TRUCTURES	TRANSP	ORTAI		l
5	STRL	JCTURE E	3TO 7	ΥP	E I	SIGNS
			DRAWN BY		PLANS CK'D.	
		VNECTION		SHE	ET A	3-1.20
		DUNDATION TAILS 1 OF	•			

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN

PLOT DATE: 3-MAR-2020

PLOT BY : dotc4c



FOUNDATION DATA TABLE

									•	•
DOCT	C.T.I.D	CT.UD	DRILLED	DRILLED	VEDTICAL	DADC	HOODS		CONCDETE	TOTAL
POST	STUB	STUB	SHAFT	SHAFT	VERTICAL	BARS	H00PS		CONCRETE	REINF.
SHAPE	LENGTH	PROJECTION	DIAMETER	LENGTH	SIZE	LENGTH	MAX SPA.	NO.	VOLUME	WEIGHT
W6X15	2'-6"	3''	24"	6'-6"	#5	5'-11"	10''	9	0.8 CY	7 1 LB
W8X18	2'-6"	3"	24"	7'-6"	#6	6'-11"	12"	8	0.9 CY	102 LB
W8X21	3'-0"	21/2"	24"	8'-0"	#6	7'-5"	12"	თ	1.0 CY	110 LB
W10X22	3'-0''	21/2"	24"	8'-6"	#7	7'-11''	12"	9	1.0 CY	151 LB
W12X26	3'-0"	21/2"	24"	10'-0"	#7	9'-5"	12"	11	1.2 CY	180 LB

QUANTITIES SHOWN ARE FOR ONE DRILLED SHAFT

BASE CONNECTION & FUSE PLATE DATA TABLE

							BOLT K		PERFORATED FUSE PLATE DATA																
POST	WEIGHT	BOLT SIZE					_	Τ.						_	0					D0		BOLT	WGT.EA.	BOLT	
SHAPE	PER FOOT	& TORQUE	А	В	L	ט	E	11	T2	W	R	Р	U	F	G	J	K	М	D1	D2	13	DIA.	LBS	LENGTH	V 🔼
W6X15	15 LB	5⁄8" DIA. X 4"	E.I.	2"	11 / 11	23/4"	11/8"	11 / 11	17.11	17.11	11/ "	81/2"	10"	5"	21/2"	6''	31/2"	11/2"	11/16	11/4"	3/8"	5/8"	2.4	2	73.0 LB
W8X18	18 LB	%" DIA. X 4" 36 TO 38 FT-LB	Э	2	11/4"	274	178	17/4	72"	1/4"	¹ / ₃₂ ''	105/8"	12 ¹ /8"	5"	21/2"	5 ¹ /4"	2¾"	1 ¹ /4"	11/16 '	11/16"	%"	5/8"	2.0	2	83.0 LB
W8X21	21 LB	3/4" DIA. X 43/4"										11''	123/4"	51/2"	21/2"	51/4"	23/4"	11/4"	13/16	1''	1/2"	3/4"	3.1	21/4"	124 . 0 LB
W10X22	22 LB	62 TO 63 FT-LB	6"	21/4"	13/8"	31/2"	11/4"	11/2"	3/4"	5/16 "	13/32	12 1/8"	145/8"	6"	3"	5¾"	2¾"	13/8"	13/16 '	11/8"	1/2"	3/4"	3.9	21/4"	134 . 0 LB
W12X26	26 LB	02 10 03 11 18										15''	16¾"	6"	3"	61/2"	31/2"	1 ⁵ /8"	13/16	15/16 ''	1/2"	3/4"	4.5	21/4"	152 . 0 LB

TOTAL STRUCTURAL CARBON STEEL WEIGHT FOR ONE POST = V + (POST LENGTH X POST WEIGHT PER FOOT)

"V" INCLUDES STUB POST, BASE PLATES, STIFFENER PLATES, PERFORATED FUSE PLATES, BOLTS, NUTS, AND WASHERS.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

MATERIALS SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506, UNLESS NOTED OTHERWISE.

FABRICATION SHALL CONFORM TO THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 506.

ALL POST, POST STUBS & ATTACHMENTS SHALL BE ASTM A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.

THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST, FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.

H.S. BOLTS, WASHERS, & NUTS SHALL BE A325 GALVANIZED.

FOUNDATION MATERIAL PROPERTIES

CONCRETE MASONRY
BAR STEEL REINFORCEMENT (UNCOATED), GRADE 60 FY = 60,000 P.S.I.

DESIGN DATA

DESIGN CONFORMS TO AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS 1ST EDITION 2015 (WITH 2017 & 2018 INTERIM REVISIONS).

DEAD LOADS (DL):

- STEEL POST SELF WEIGHT SIGN PANEL WEIGHT = 3 PSF

WIND LOADS (WL):

WIND LOADS WERE APPLIED TO THE PROJECTED AREAS OF THE SIGN PANELS AND THE STEEL SIGN POSTS.

- BASIC WIND SPEED = 76 MPH
- BASIC WIND SPEED = 76 MPH
 MEAN RECURRANCE INTERVAL (MRI) = 10 YEARS
 HEIGHT & EXPOSURE FACTOR = 1.00
 DIRECTIONALITY FACTOR = 0.85
 GUST EFFECT FACTOR = 1.14

WIND LOAD CASES:

- WL CASE 1: 1.0 X NORMAL WIND - WL CASE 2: 1.0 X TRANSVERSE WIND - WL CASE 3: 0.75 X NORMAL WIND + 0.75 X TRANSVERSE WIND

LOAD COMBINATIONS:

LOAD COMBINATION	TYPE	DL FACTOR	WL FACTOR
STRENGTH I	GRAVITY	1.25	-
EXTREME I	WIND	1.10	1.0
EXINEME	WIND	0.9	1.0
SERVICE I	DEFLECTION	1.0	1.0

FOUNDATION DESIGN DATA

THE FOUNDATION DESIGN ASSUMED COHESIONLESS SOILS (LOOSE SAND) ABOVE THE WATER TABLE WITH THE FOLLOWING PROPERTIES:

- SOIL UNIT WEIGHT = 115 PCF ANGLE OF INTERNAL FRICTION = 24 DEGREES SOIL MODULUS PARAMETER = 25 LB/IN3

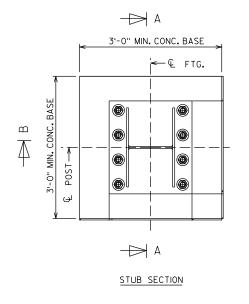
NO.	DATE	REVISION	BY
	S	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION TRUCTURES DESIGN SECTION	
	STRL	ICTURE BTO TYPE	I SIGNS
		DRAWN PLA BY CK'I	
		NNECTION & SHEET DUNDATION	A3-1.20
		TAILS 2 OF 2	

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31.DGN

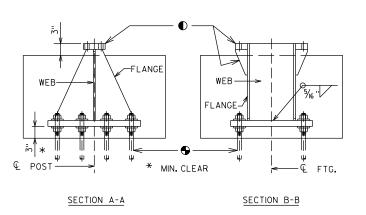
PLOT DATE: 3-MAR-2020

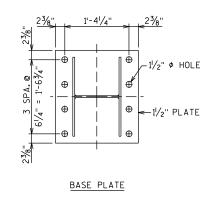
PLOT BY : dotc4c

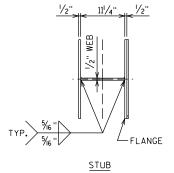
STUB AND ADHESIVE ANCHOR DETAILS

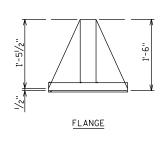


 $_{\Omega}$









- SEE BASE CONNECTION DETAILS ON "CONNECTIONS & FOUNDATION DETAILS" SHEETS.
- ◆ ADHESIVE ANCHORS 11/4-INCHES. ALLOWABLE PULL OUT CAPACITY = 15 KIPS. EMBED 11-3" INTO ROCK.

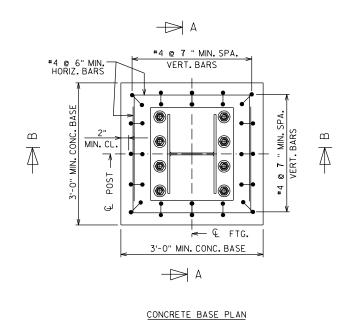
GENERAL NOTES:

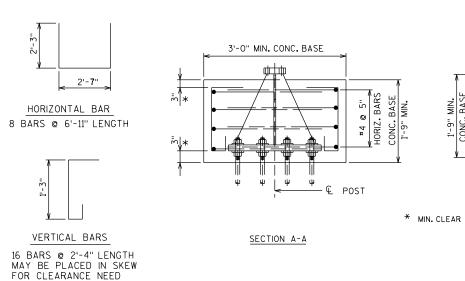
QUANTITIES PER BASE: REINFORCING STEEL = 62 LB CONCRETE = 0.6 CY STRUCTURAL STEEL = 335 LB

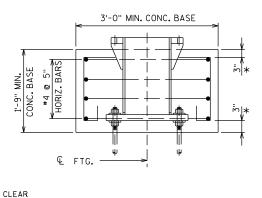
ALL MATERIALS, EXCEPT FOR ANCHOR ROD, NUTS, AND WASHERS, SHALL BE ASTM A709 GRADE 50. ALL MATERIALS TO BE GALVANIZED AFTER FABRICATION.

IF ROCK IS ENCOUNTERED PRIOR TO REACHING THE MINIMUM DRILLED SHAFT EMBEDMENT DEPTH DEFINED ON THE FOUNDATION DATA TABLE OF THE "CONNECTIONS & FOUNDATION DETAILS 2 OF 2" SHEET, THE CONTRACTOR SHALL INSTALL A TEST ADHESIVE ANCHOR AND DETERMINE THE PULL-OUT CAPACITY, THE FIELD TEST RESULTS IN A PULL-OUT CAPACITY GREATER THAN OR EQUAL TO 15 KIPS, THE CONTRACTOR MAY INSTALL THE ALTERNATE CONCRETE BASE AND BREAK-WAY STUB PER THE DETAILS ON THIS SHEET.

CONCRETE BASE DETAILS







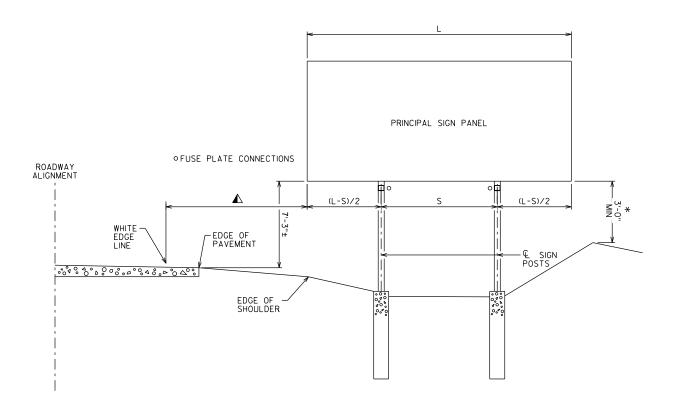
SECTION B-B

NO. DATE BY REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION STRUCTURE BTO TYPE ISIGNS ALTERNATE SHEET A3-1M.2 BREAK-AWAY BASE ON ROCK

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A31M.DGN

PLOT DATE: 9-SEPT-2019

PLOT BY : dotc4c



INSTALLATION WITHOUT SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-O". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-O".

⚠ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

WHERE SIGNS ARE MOUNTED BEHIND CRASH WORTHY PROTECTION SUCH AS GUARDRAIL OR BARRIER WALL, THE LATERAL OFFSET MAY BE 4'-6" BEHIND THE GUARDRAIL OR BARRIER WALL.

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

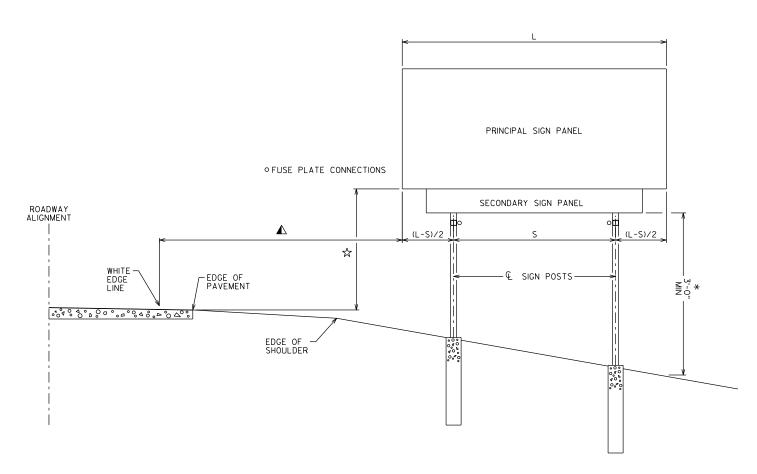
THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS.FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

- * THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.
- O FOR 2-POST SIGNS, IF THERE IS A SECONDARY SIGN THAT IS NOT AS WIDE AS THE POSTS, INSTALL FUSE PLATES BENEATH PRINCIPAL SIGN.

FOR SECONDARY SIGNS THAT ARE NOT AS WIDE AS THE EXTERIOR POSTS, SECURE SIGN WITH CHANNEL STEEL AS DESCRIBED IN A4-6.

POST LENGTHS SHOWN IN THE MISCELLANEOUS OUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.



INSTALLATION WITH SECONDARY SIGN

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A41.DGN

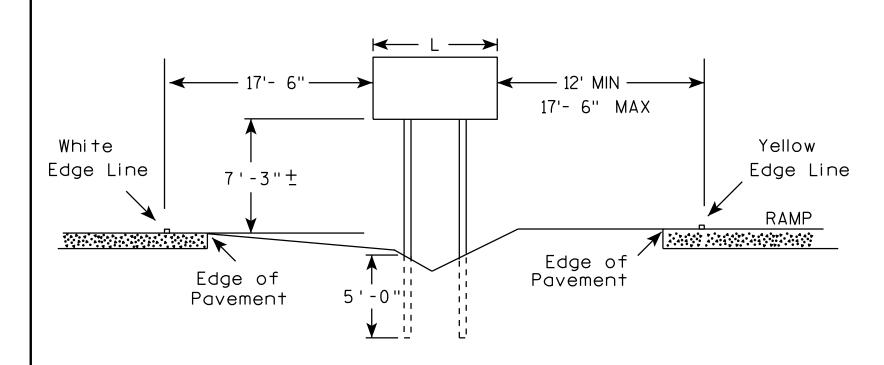
PROJECT NO:

COUNTY:

PLOT BY : mscj9h

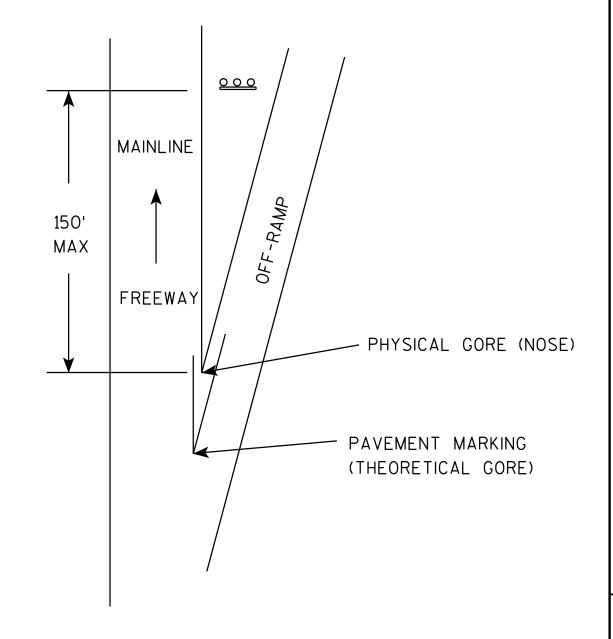
WISDOT/CADDS SHEET 42

HWY:



GENERAL NOTES

- 1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
- 2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
- 3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
- 4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
- 5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
- 6. The $(\overline{+})$ tolerance for the mounting height is 3 inches.



TYPICAL INSTALLATION OF TYPE II SIGNS ON WOOD POSTS IN GORE

WISCONSIN DEPT OF TRANSPORTATION

DATE 2/06/14

PLATE NO. 44-2.3

SHEET NO:

PROJECT NO:

PLOT DATE: 06-FEB-2014 12:36

PLOT BY: mscsja





RURAL AREA (See Note 2)



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 or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 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" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. __A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



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





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



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

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 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) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

SPACING OF FLANGED

30" Minimum

48" Maximum X X

CHANNEL STEEL POSTS

MAX

__ X

 \pm =2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL. MIN. YIELD STRENGTH

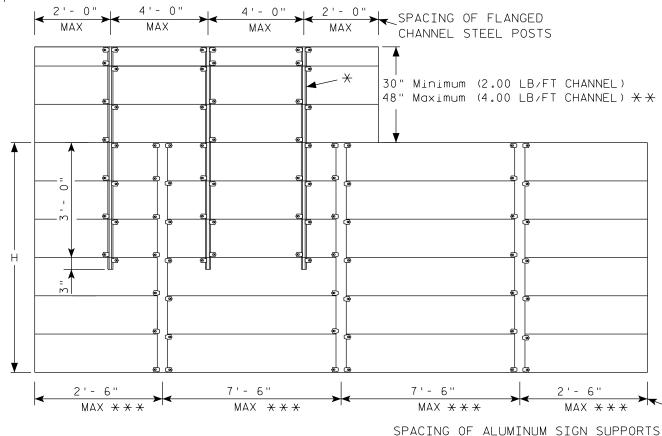
= 60.000 PSI (GRADE 60) GALVANIZED

* * = FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES. ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

SIGN BRIDGE MOUNTED SIGN

* * THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE

PERFORMED.



FLANGE CHANNEL DETAILS NOT TO SCALE

1/₈ — 1 1/₄ → 1 $1\frac{1}{2}$ 2.00 LB/FT CHANNEL $\frac{1}{8}$ \longrightarrow $1\frac{1}{2}$ \longrightarrow 4.00 LB/FT CHANNEL

GENERAL NOTES

- 1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
- 2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

- 3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
- 4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
- 5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sian bridge mounted sign as far as number of clips required on the main supports or beams)
- 6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

5" X 3.5" X 3.7 LBS./ft.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

SHEET NO:

DATE 1/07/20

PLATE NO. <u>A4-6.12</u>

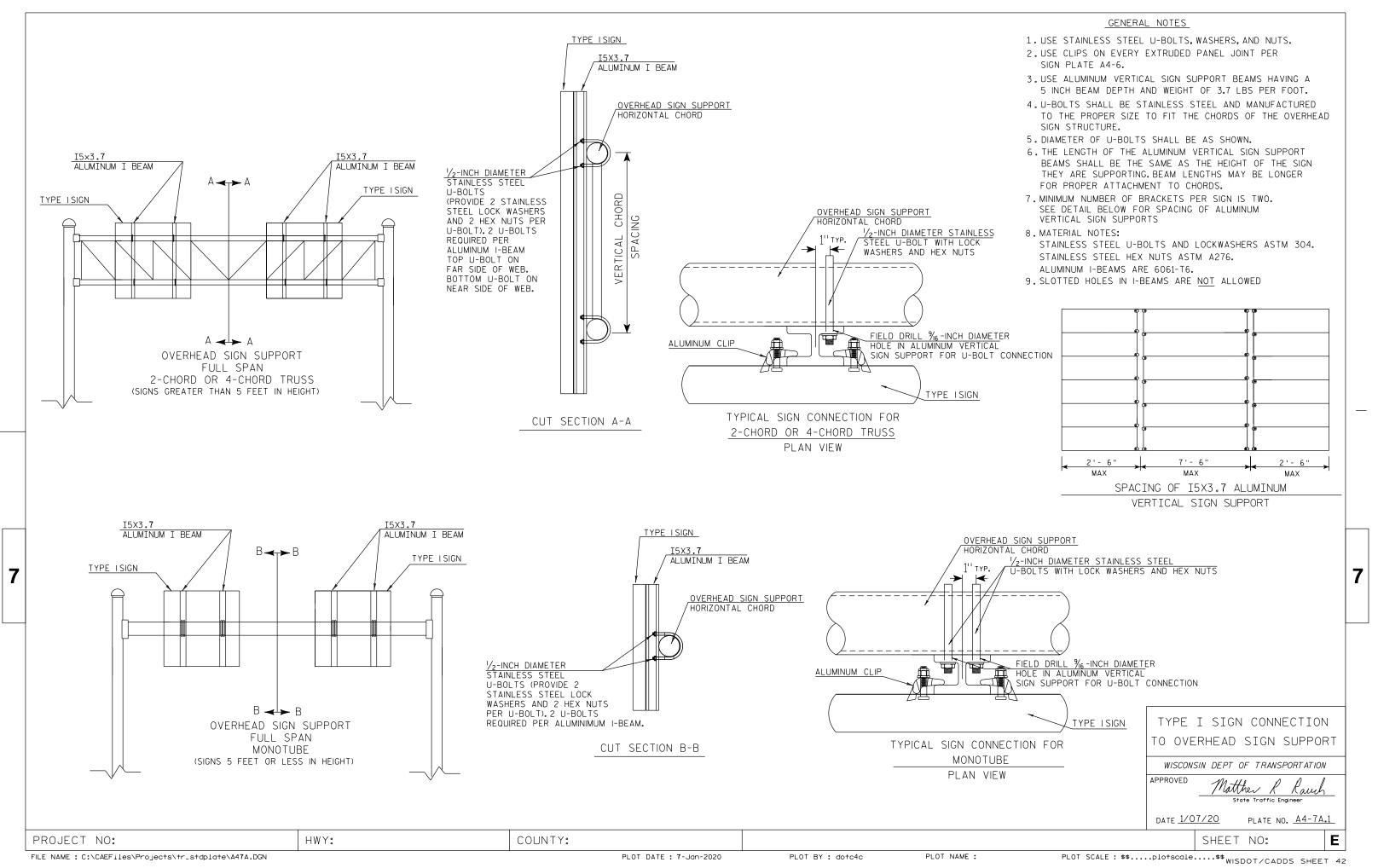
PROJECT NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A46.DGN

PLOT DATE: 7-Jan-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT 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



See Detail A

STITCH BOLT, WASHER & NUT

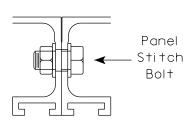
The hardware includes:

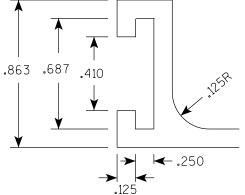
See Detail A

3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy

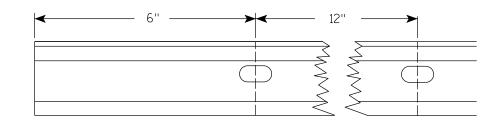
3/8 " - Stainless steel stop nut

3/8" X .064 Flat Washers, Alclad 2024-T4 alloy

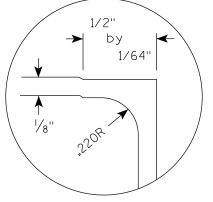




.863 .687 .410



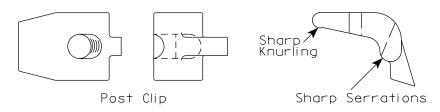
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

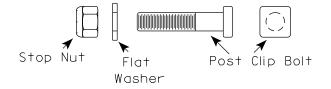


DETAIL A (EDGE WRAP JOINT)

POST CLIP. POST CLIP BOLT. WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6 Post Clip Bolt shall be Stainless Steel. Flat washer shall be 3/8" X .091, Stainless Steel. Stop nut shall be stainless steel.





NOTES

- 1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
- 2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
- 3. Post Clips shall be used to attach the sign panel to the sign support.
- 4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer DATE 1/07/20 PLATE NO. <u>A5-2.10</u>

SHEET NO:

PROJECT NO:

PLOT DATE: 7-Jan-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

12" Extrusion

Minimum Weight

2.5 lb./ft.

BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " 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
 - b. 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 $1^{1}/_{4}$ " 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

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

SIGN

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

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

Background - Green Message - White

- 3. Message Series E
- 4. Sign shall be split into two seperate pieces as shown on the detail by the dashed line (-----) for sizes 4 & 5.
- 5. Arrow is Type "A" from sign plate A1-1.
- 6. As per the Standard Spec's, this sign shall not have a vertical joint.
- 7. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

E5-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	┙	М	N	0	Р	Q	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft.
1																											
25																											
2M																											
3	48	48	3		1	10	6 %	5 1/8	18 ½	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	3		1	10	6 1/8	5 1/8	18 1/2	6 3/4	10	40 ¾	8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	3		1	12	9 3/4	10	18 ½	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

COUNTY:

STANDARD SIGN E5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 1/26/2023 PLATE NO. E5-1.12

Ε

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\E51.dgn

HWY:

PROJECT NO:

PLOT DATE: 26-JAN 2023 6:53

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

NOTES

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

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

C		→ H
D-> <		
	K N	H B
		F.
◀	А	-

G20-1

SIZE	Α	В	C	D	E	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	sq. ft.
1																											
25	60	24	1 1/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18												10.0
2M	60	24	1 1/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 ½	3		16	18												10.0
3	60	24	1 1/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 ½	3		16	18												10.0
4	60	24	1 1/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 ½	3		16	18												10.0
5	60	24	1 1/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 ½	3		16	18 %												10.0

G20-1

WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED Matthew & Rauch

For State Traffic Engineer
DATE 1/26/2023 PLATE NO. G20-1.9

SHEET NO:

Ε

PROJECT NO:

HWY:

COUNTY:

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE: 26-JAN 2023 7:55

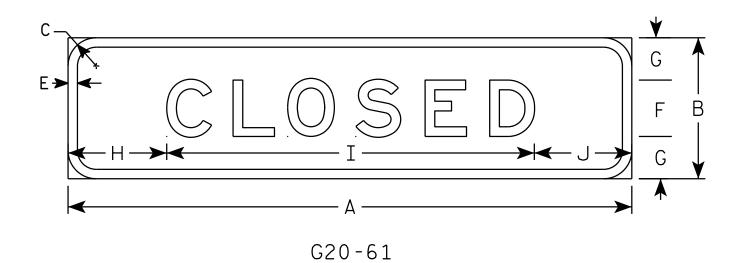
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G201.dgn

NOTES

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

Background - Orange Message - Black

3. Message Series - E



SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	P	0	R	S	Т	U	V	W	х	Y	Z	Area sq. ft.
1																											
2																											
3																											
4	120	30	6		2	12	9	21	78 1/4	20 ¾																	25.0
5																											

COUNTY:

STANDARD SIGN G20-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawh

DATE 5/07/15 PLATE NO. G20-61.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\G2061.DGN

PROJECT NO:

HWY:

PLOT DATE: 07-MAY-2015 13:47

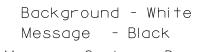
PLOT NAME :

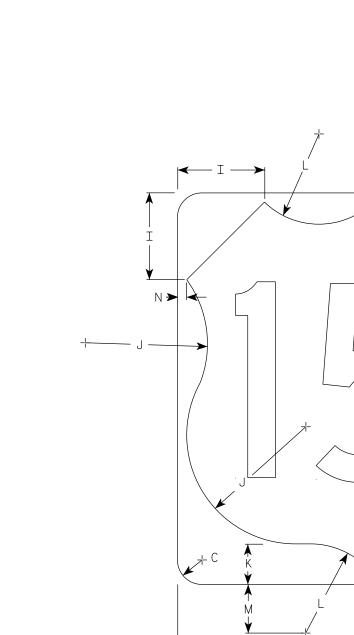
PLOT SCALE: 20.431338:1.000000



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

3. Message Series - D except 3 number signs Series C





C K BLACK
—————————————————————————————————————

HWY:

7 1/2 2 1/2 1/2 1 1/2 24 24 5 1/2 5 1/2 6 1/2 4.0 2M 24 7 1/2 2 1/2 5 1/2 $1 \frac{1}{2}$ 12 5 1/2 4.0 5 1/2 6 1/2 3 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 36 36 2 1/4 8 1/4 9 1/4 3/4 9.0 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 36 36 2 1/4 18 8 1/4 9 1/4 9.0 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 5 18 8 1/4 9 1/4 36 36 2 1/4 9.0

COUNTY:

USH MARKER M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther K Kawh
For State Traffic Engineer

SHEET NO:

DATE <u>12/20/22</u>

PLATE NO. <u>M1-4.11</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M14.dgn

PROJECT NO:

N >

PLOT DATE : 20-DEC 2022 8:48

PLOT BY: mscj9h

M1-4

PLOT NAME :

BLACK

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

- 1

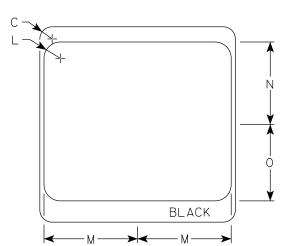
Ε

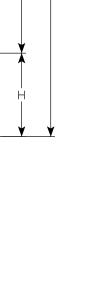
NOTES

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

Background - White & Black Message – Black

- 3. Message Series see Note 4
- 4. 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.
- 5. Substitute appropriate letters & optically center to achieve proper balance.

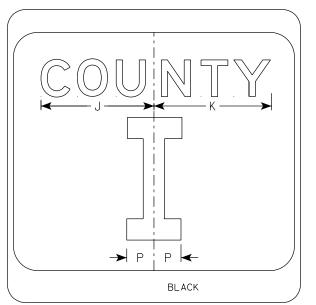


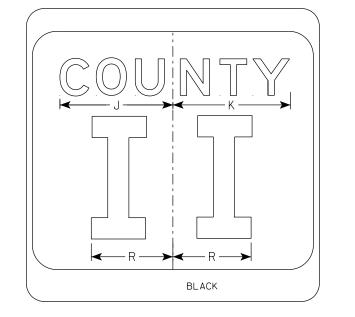


BLACK

HWY:

M1-5A





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Χ	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	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 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 11/8/2022

PLATE NO. M1-5A.9

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn

PROJECT NO:

PLOT DATE: 8-NOV 2022 8:26

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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

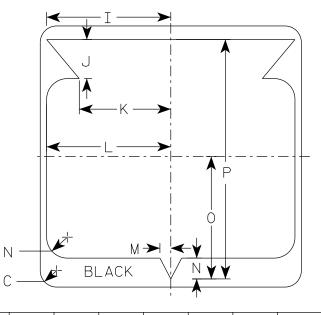
Background - White Message – Black

3. Message Series - D except 3 number signs Series C

G G F A
BLACK

M1-6

HWY:



SIZ	Ξ Δ	Д	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	V	W	X	Υ	Z	Area sq. ft.
1																												
2	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
21	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	3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

₹or State Traffic Engineer

SHEET NO:

DATE 11/8/2022 PLATE NO. M1-6.11

Ε

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

PROJECT NO:

PLOT DATE: 8-NOV 2022 8:40

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

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

Background - See note 5 Message - See note 5

NOTES

- 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

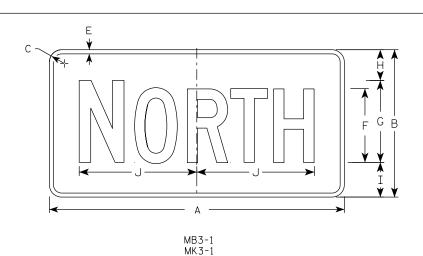
MN3-1 thru MN3-4 Background - Brown

Message - White

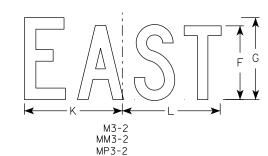
MP3-1 thru MP3-4 Background - White

Message - Blue

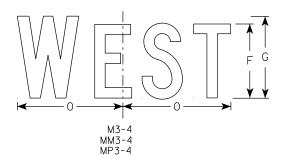
6. Note the first letter of each direction is larger than the remainder of the message.



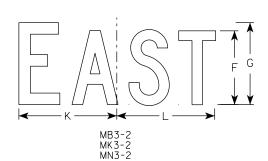
M3-1 MM3-1 MP3-1

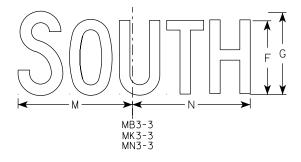


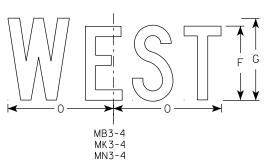
MM3-3



HWY:







SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

COUNTY:

STANDARD SIGNS M3-1 THRU M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/8/2023 PLATE NO. <u>M3-1.1</u>5

PROJECT NO:

PLOT DATE: 8-FEB 2023 11:00

PLOT BY : dotc4c

PLOT NAME :

SHEET NO: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M31.dgn



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

Background - See Note 5 Message - See note 5

- 3. Message Series B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-1 Background White

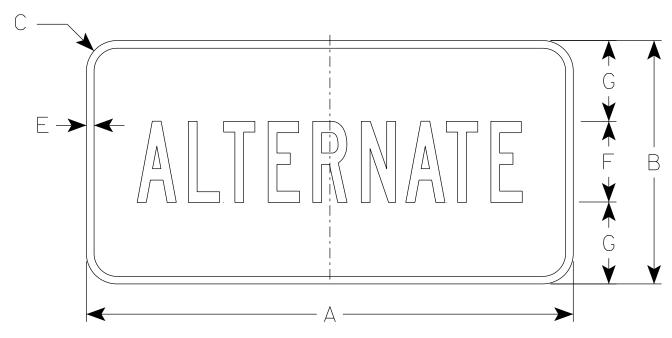
Message - Black

MB4-1 Background - Blue

Message - White

M04-1 Background - Orange - Type F Reflective

Message - Black



MB4	_	1
-----	---	---

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
2M	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
3	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5

COUNTY:

STANDARD SIGN M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Kauch

For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-1.10

PLATE NO. M4-1.19 SHEET NO:

FILE NAME : C:CAEfiles\Projects\tr_stdplate_M41.dgn

PROJECT NO:

M4 - 1

HWY:

MO4-1

PLOT DATE: 8-FEB 2023 1:25

PLOT BY : dotc4c

PLOT NAME :

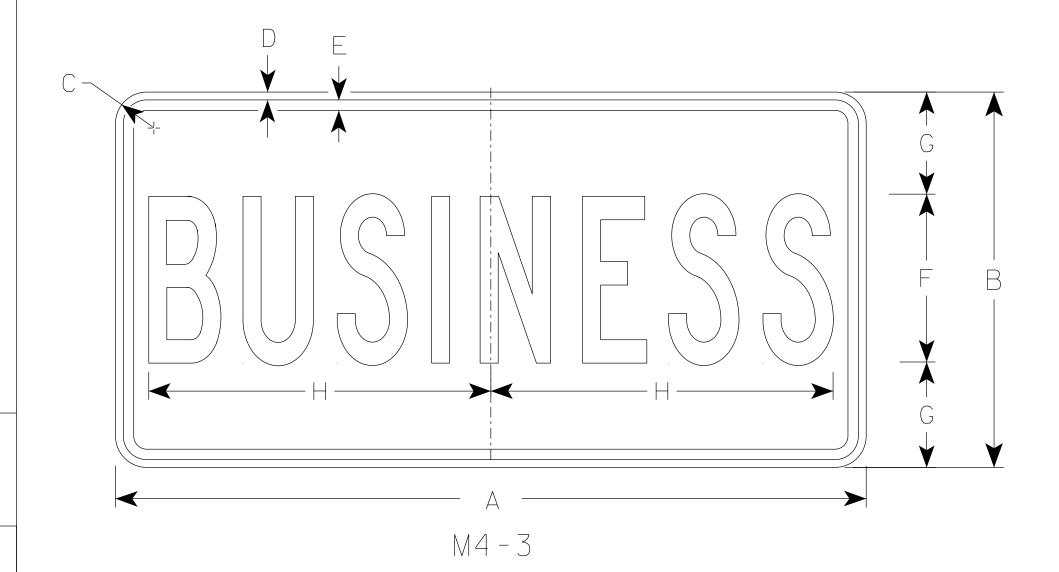
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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

Background - White Message - Black

3. Message Series - B



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	5	3 1/2	9 5/8																			2.0
2M	24	12	1 1/2	3/8	3/8	5	3 1/2	9 5/8																			2.0
3	36	18	1 1/2	3/8	1/2	8	5	16 3/8																			4.5
4	36	18	1 1/2	3/8	1/2	8	5	16 3/8																			4.5
5	36	18	1 1/2	3/8	1/2	8	5	16 3/8																			4.5

STANDARD SIGN

M4 - 3

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Kauch

For state Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-3.7

Ε

PROJECT NO: HWY: COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M43.dgn

PLOT DATE: 21-MARCH 2023 1:34 PLOT BY: dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

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

Background - See note 5 Message - See note 5

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

Message - Black

MB4-5 Background - Blue

Message - White

MK4-5 Background - Green

Message - White

MM4-5 Background - White

Message - Green

MN4-5 Background - Brown

Message - White

MP4-5 Background - White

Message - Blue

M04-5 Background - Orange Type F Reflective

Message - Black

				-	H	>	← I	<u> </u>				
		\leftarrow				<u> </u>					<u> </u>	<u> </u>
						M4- MM- MP-	4-5				'	
			ı			MO						
C -						!						
					— H)			AGYA F -YAGY	B
						MB4- MK4- MN4-	-5				1	
D	Е	F	G	Н	Т	J	Ικ	L	М	N	0	Р

																		_									1 4=00
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	Q	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
2M	24	12	1 1/2	3/8	3/8	6	3	5 3/8	5 1/4	1/2																	2.00
3	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2																	4.5

COUNTY:

STANDARD SIGN M4 - 5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-5.11 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M45.DGN

PROJECT NO:

HWY:

PLOT DATE: 8-FEB 2023 3:48

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

Ε

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

Background - Orange Message - Black

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

$\begin{array}{c c} & & & \\ \downarrow & & \downarrow \\ \hline & & & \\ \hline & & & \\ \end{array}$	G	
		3
M4-8	>	<u>'</u>

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Υ	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

COUNTY:

STANDARD SIGN M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

DATE 2/9/2023 PLATE NO. M4-8.4

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-FEB 2023 7:38

PLOT BY : dotc4c

PLOT NAME :

SHEET NO: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

2. Color:

Background - Orange Message - Black

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

C	
	G
	F G
M4-8A	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48A.dgn

PROJECT NO:

PLOT DATE: 9-FEB 2023 8:03

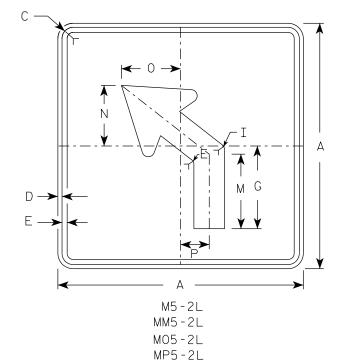
PLOT BY : dotc4c

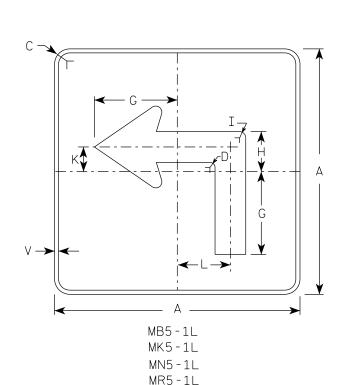
PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

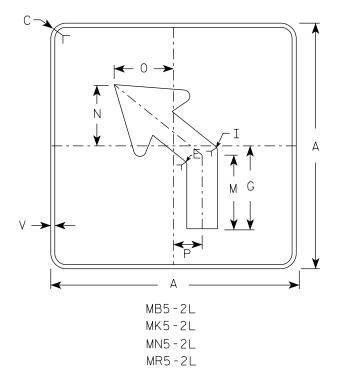
HWY:

M5-1L MM5-1L M05-1L MP5-1L





HWY:



NOTES

- 1. Signs are Type II Type H reflective except as shown

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.
- M5-1 and M5-2 Background White Message – Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

M05-1 and M05-2 Background - Orange - Type F Reflective

Message - Black

MP5-1 and MP5-2 Background - White

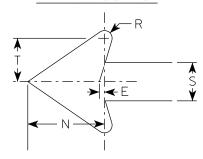
Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

COUNTY:

STANDARD SIGN M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M51.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 10:05

PLOT BY : dotc4c

PLOT NAME :

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

Background - See note 4 Message - See note 4

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

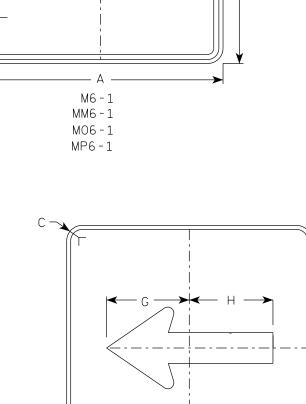
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



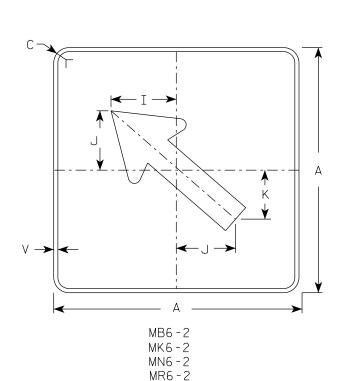
MB6-1

MK6-1

MN6 - 1

MR6-1

HWY:



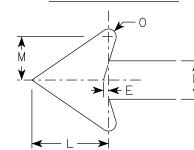
M6-2

MM6 - 2

MO6-2

MP6-2

ARROW DETAIL



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 1/8	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							1/2					6.25
4	30		1 1/8	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							1/2					6.25
5	30		1 1/8	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							1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/13/2023 PLATE NO. M6-1.16 SHEET NO:

For State Traffic Engineer

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M61.dgn

PROJECT NO:

 $\vee \longrightarrow$

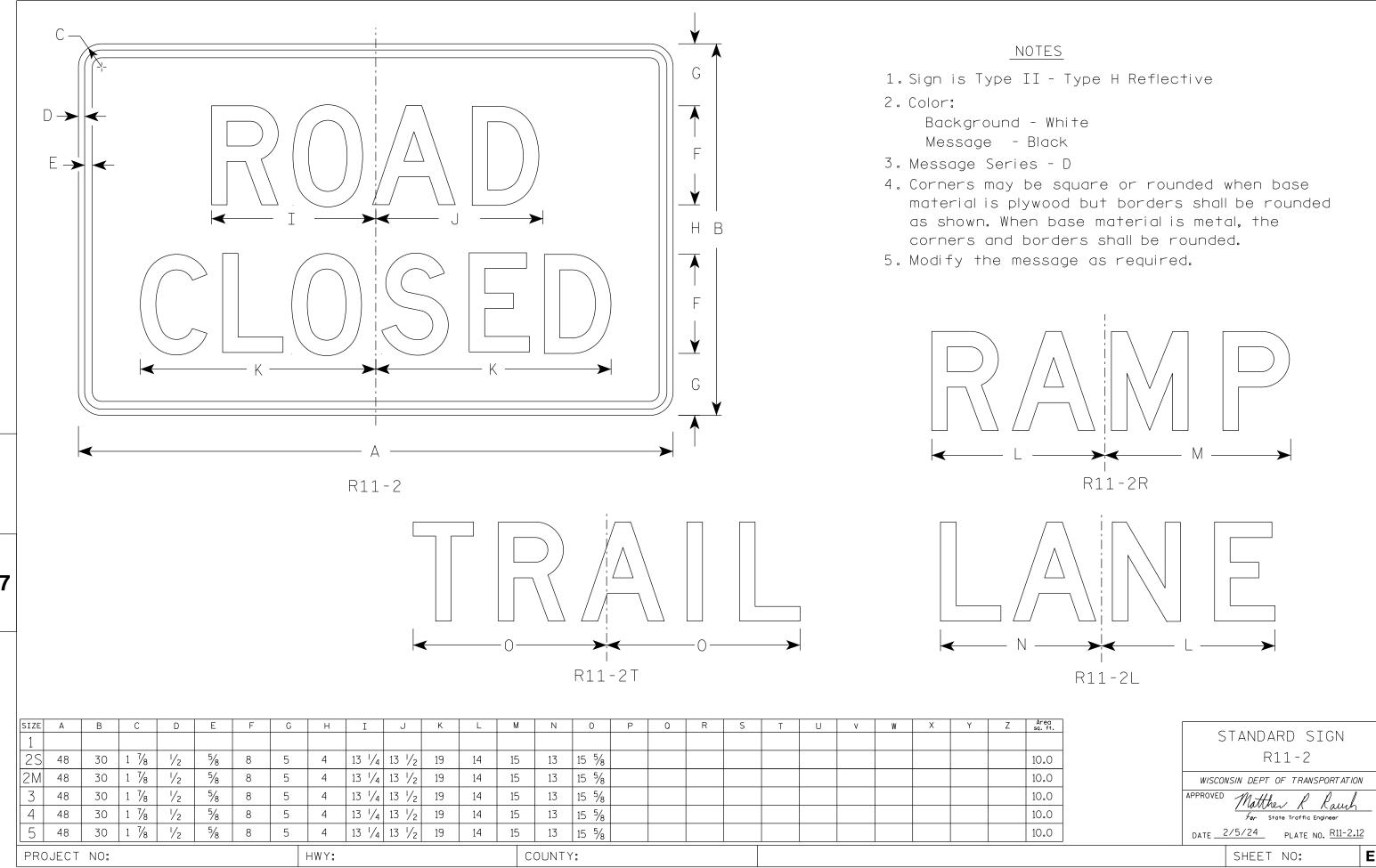
PLOT DATE: 13-FEB 2023 1:30

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

Ε



FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn

PLOT DATE: 5-FEB 2024 2:10

PLOT BY: mscj9h

PLOT NAME :

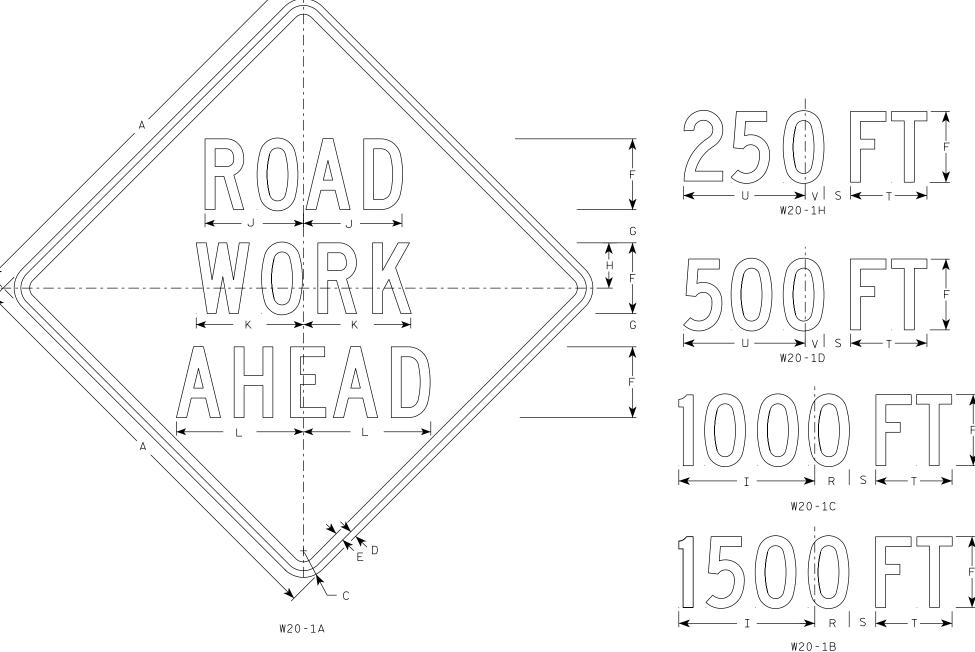
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

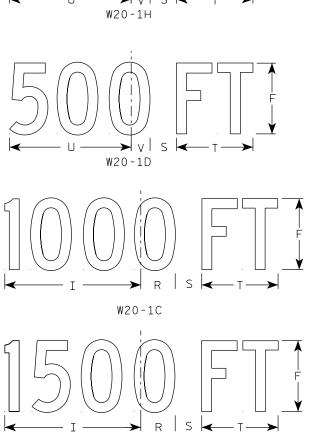
NOTES

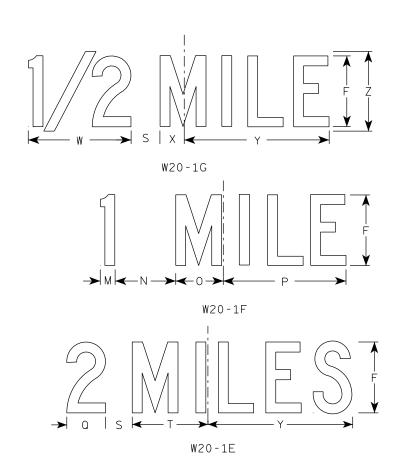
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

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







SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 1/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 ¾	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN W2O-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED $f_{\it or}$ State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

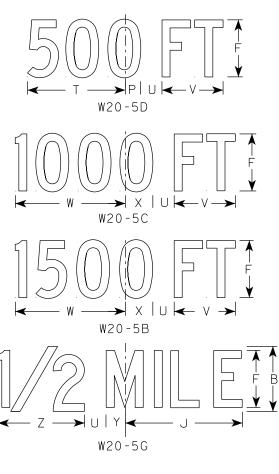
SHEET NO:

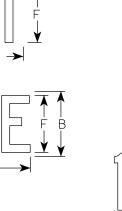
PROJECT NO:

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

Background - Orange Message - Black

- 3. Message Series See Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. " ____ LANE" is Series B. All other copy is Series C.





→ Q ← R → ← S → ← T →
W20-5E

W20-5F

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
25	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10	16.0

COUNTY:

W20-5A

HWY:

STANDARD SIGN W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/27/24 PLATE NO. <u>W20-5.12</u>

> Ε SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\W205.dgn

PROJECT NO:

W20-56A

W20-55A

PLOT DATE: 27-MAR 2024 4:01

PLOT BY: mscj9h

PLOT NAME :

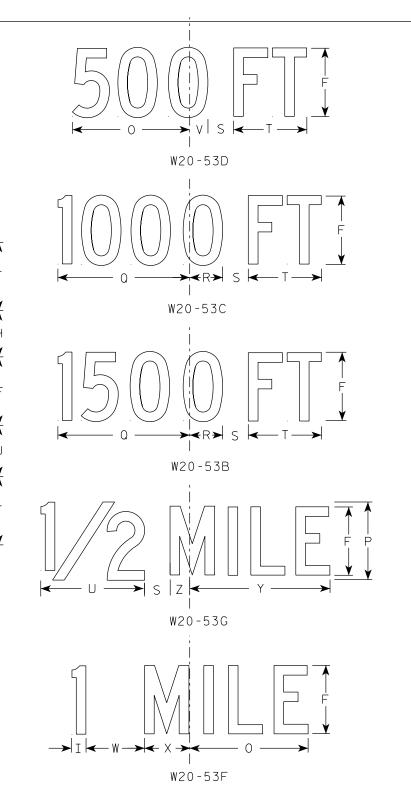
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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

Background - Orange Message – Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.



W20-53A

SIZE	Ε Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	12 1/2	11	9	6	10 1/8	2 1/2	1 1/8	5 %	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
25	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 1/8	12 1/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
2N	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 1/8	12 1/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 1/8	12 1/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 1/8	12 1/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN W20-53A,B,C,D,F,G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

DATE 1/10/2024 PLATE NO. W20-53.2

SHEET NO:

HWY: COUNTY:

PLOT DATE: 10-JAN 2024 2:38

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PLOT BY : dotc4c

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2053.DGN

PROJECT NO:

NOTES

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

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W04-1L is the same as W04-1R except the arrow is reversed along the vertical centerline.

W04-1R

HWY:

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 %	10 %	11 3/8	7/8									9.0
2S	48		3	3/4	1	18 3/4	3 %	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		3	3/4	1	18 3/4	3 %	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		3	3/4	1	18 3/4	3 %	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		3	3/4	1	18 3/4	3 %	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		3	3/4	1	18 3/4	3 %	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

COUNTY:

STANDARD SIGN WO4-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 1/25/2024 PLATE NO. WO4-1.3

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W041.dgn

PROJECT NO:

PLOT DATE: 25-JAN 2024 8:20

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 42

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

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W04-2L is the same as W04-2R except the symbolis reversed along the vertical centerline.

	DE
A ← G →	→ I I ← G → I
Α, \\\	F G →
K-K-	C C

W04-2R

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
25	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $\frac{f_{or}}{f_{or}}$ State Traffic Engineer

DATE 1/25/2024 PLATE NO. WO4-2.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W042.dgn

PROJECT NO:

PLOT DATE: 25-JAN 2024 9:07

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

2. Color:

Background - Orange Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. WO4-5L is the same as WO4-5R except the arrow is reversed along the vertical centerline.

T H F E D

W04-5R

HWY:

SIZE A С D G 3 5/8 10 5/8 11 3/8 5/8 3/4 2 3/4 3/4 7/8 36 2 1/4 14 6 15 3/4 13 1/4 5 1/4 6 1/8 45° 8 1/2 9.0 1 18 3/4 3 5/8 8 20 1/2 17 1/2 8 1/8 45° 4 3/4 | 14 1/4 | 15 1/4 | 1 1/4 | 11 3/₈ 16.0 4 3/4 14 1/4 15 1/4 1 1/4 |2M| 3/4 18 3/4 3 5/8 8 20 1/2 17 1/2 1 11 3⁄8 48 3 8 1/8 45° 16.0 18 3/4 3 5/8 48 3 8 | 20 | 17 | 2 8 1/8 45° 4 3/4 14 1/4 15 1/4 1 1/4 11 3⁄8 16.0 4 3/4 18 3/4 3 5/8 8 | 20 | 17 | 2 4 3/4 14 1/4 15 1/4 1 1/4 48 3 8 1/8 45° 11 3/₈ 16.0 3/4 48 18 3/4 3 5/8 8 20 1/2 17 1/2 8 1/₈ 45° 4 3/4 14 1/4 15 1/4 1 1/4 1 13/8 16.0

COUNTY:

STANDARD SIGN WO4 - 5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

SHEET NO:

Ε

DATE 1/25/2024 PLATE NO. W04-5.3

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W045.dgn

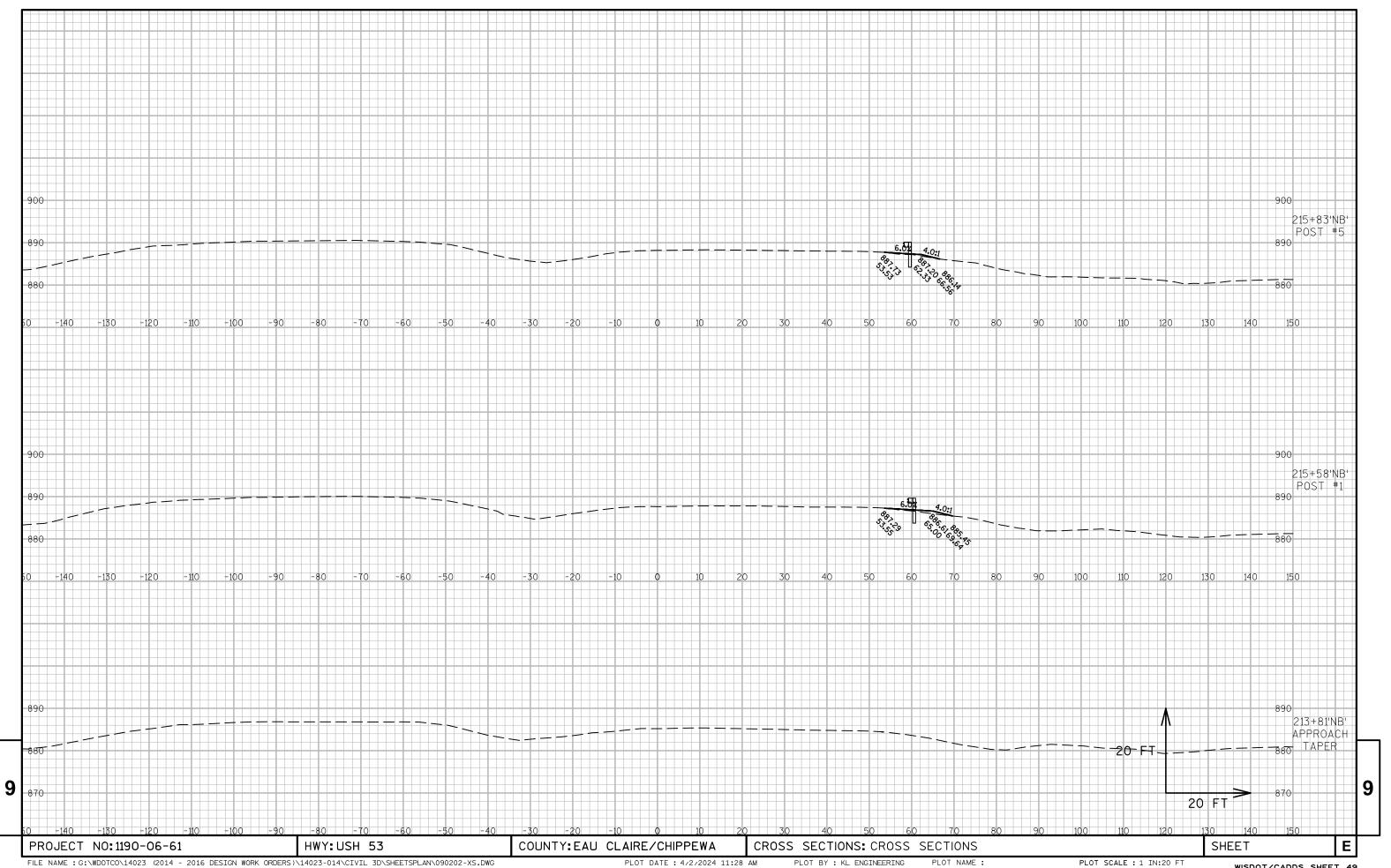
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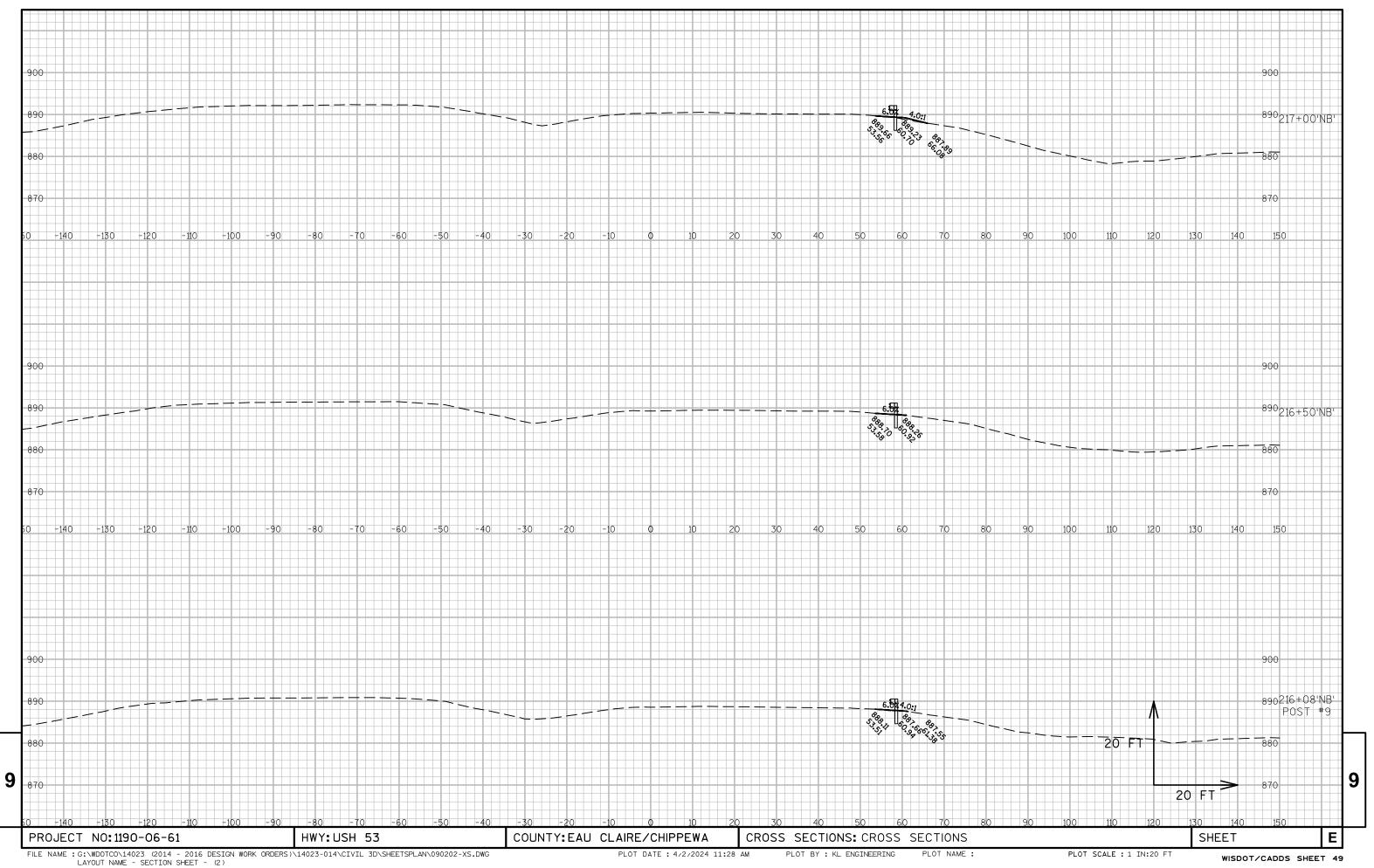
PLOT DATE: 25-JAN 2024 11:57

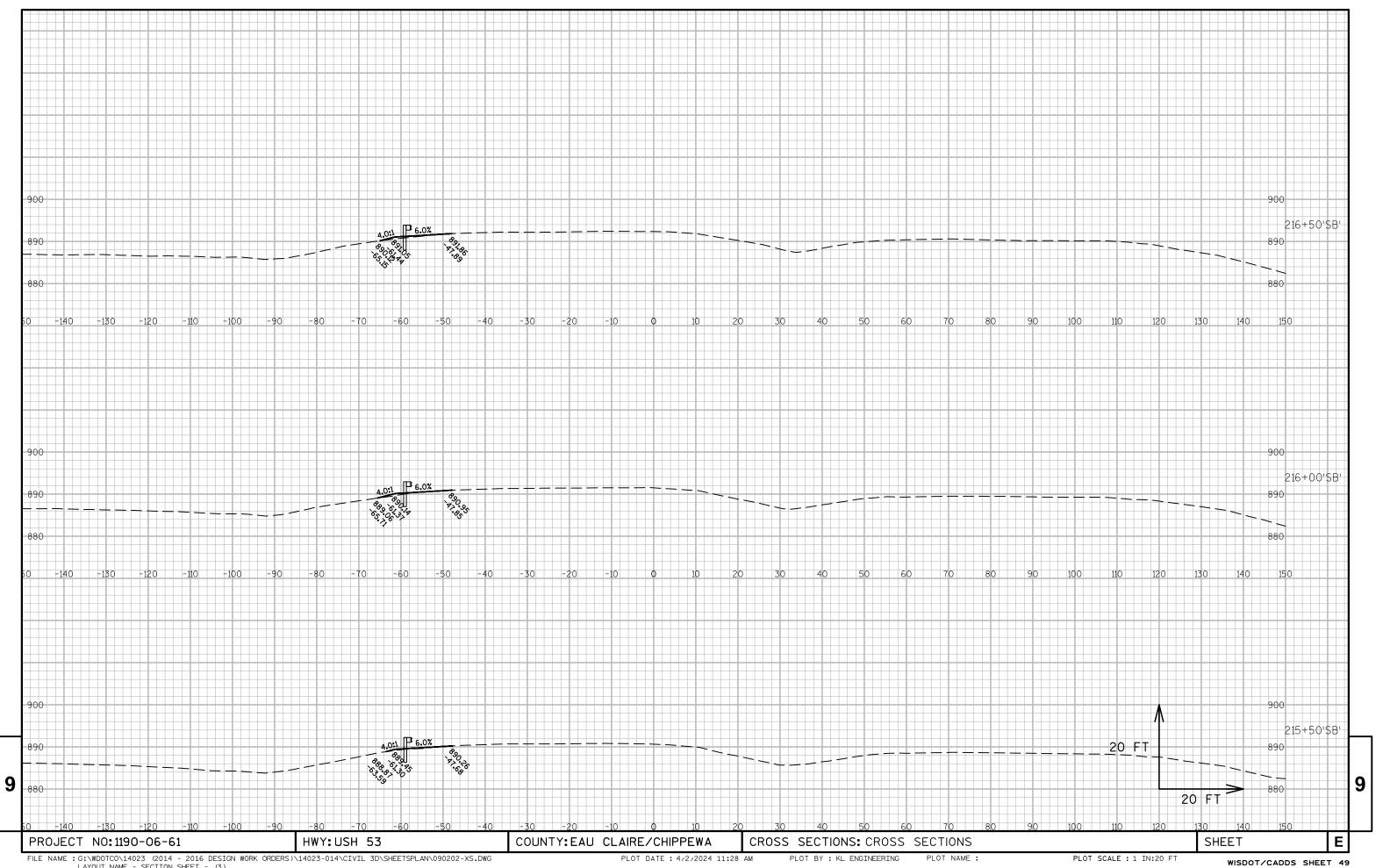
PLOT BY : dotc4c

PLOT NAME :

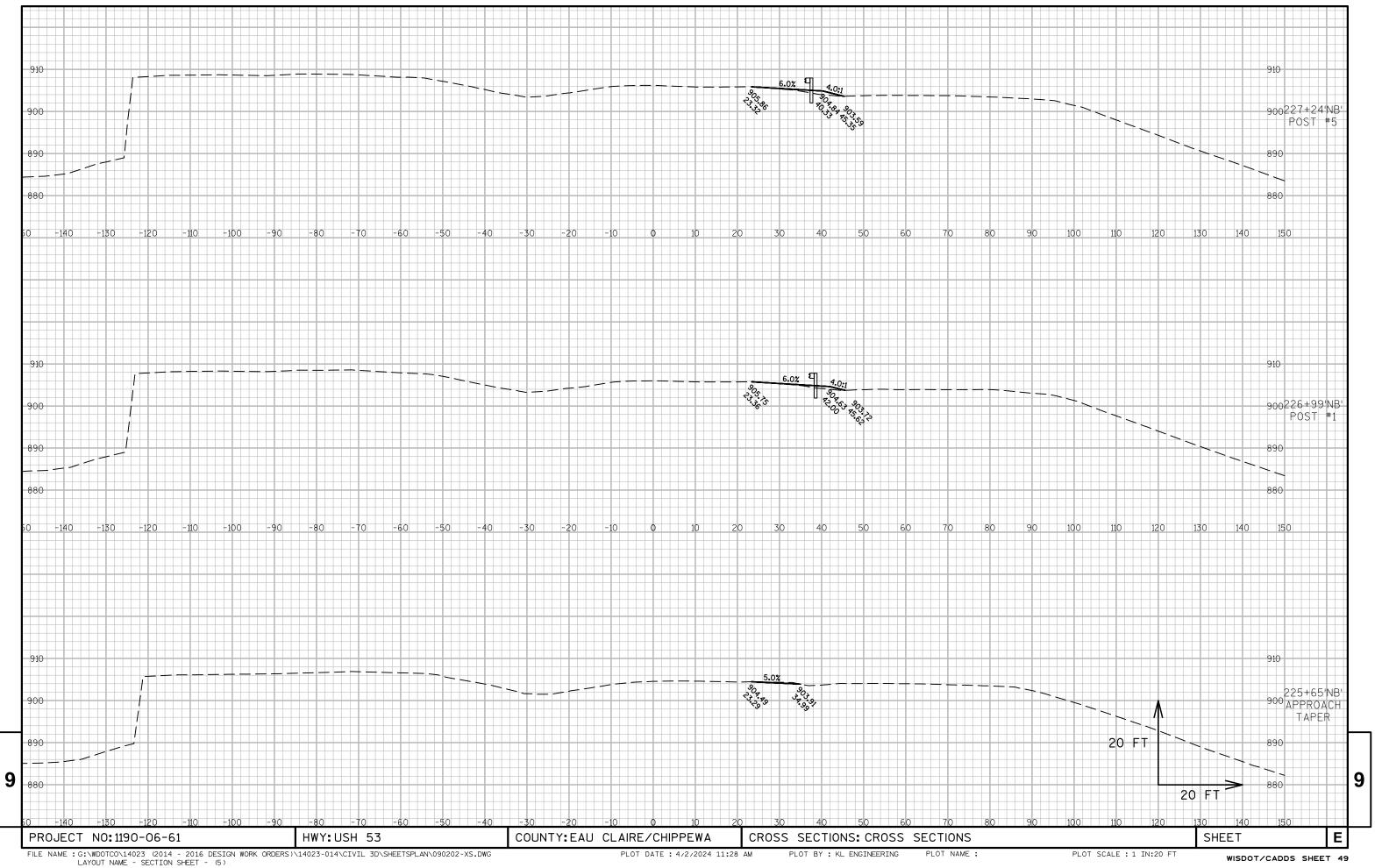
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

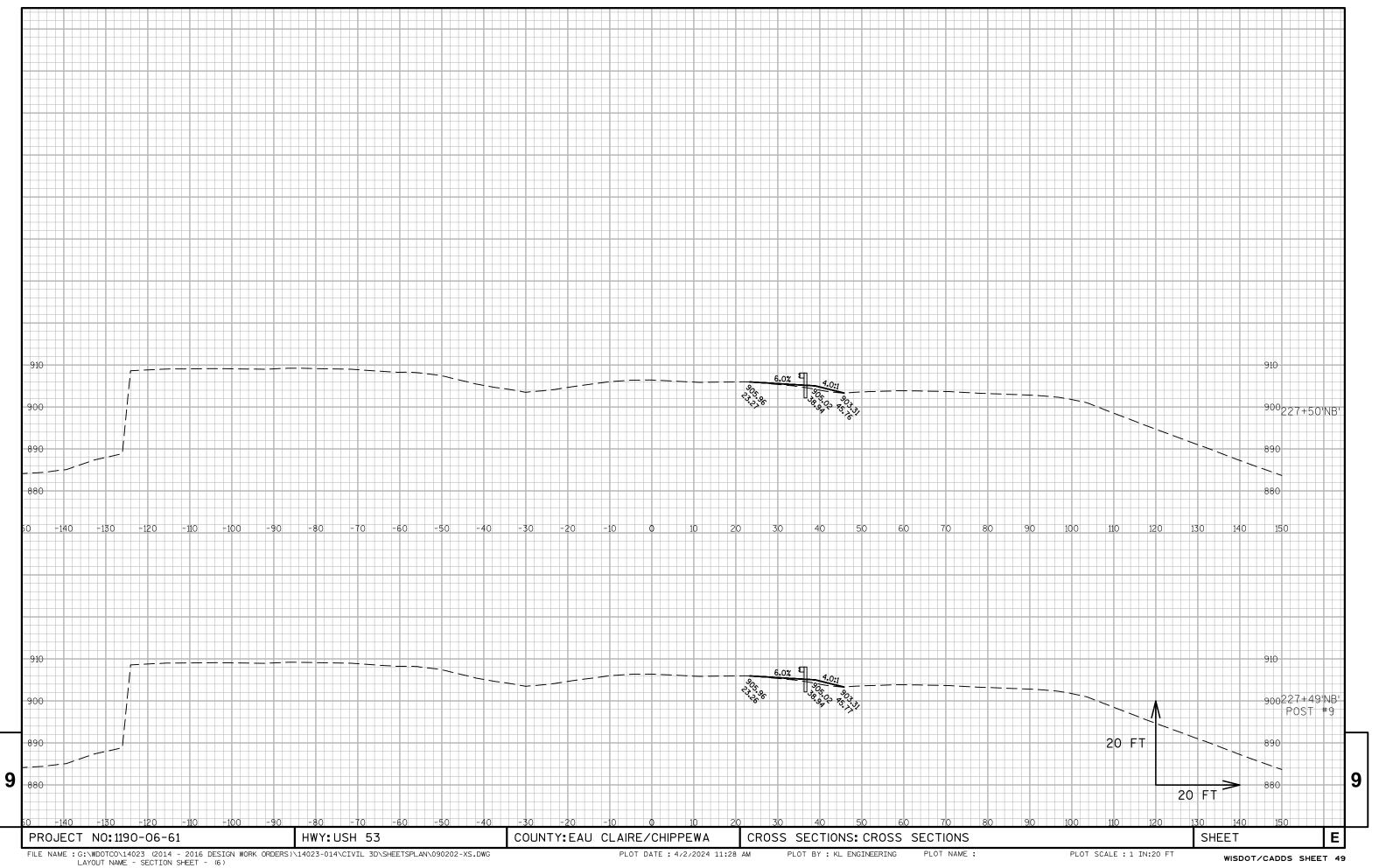


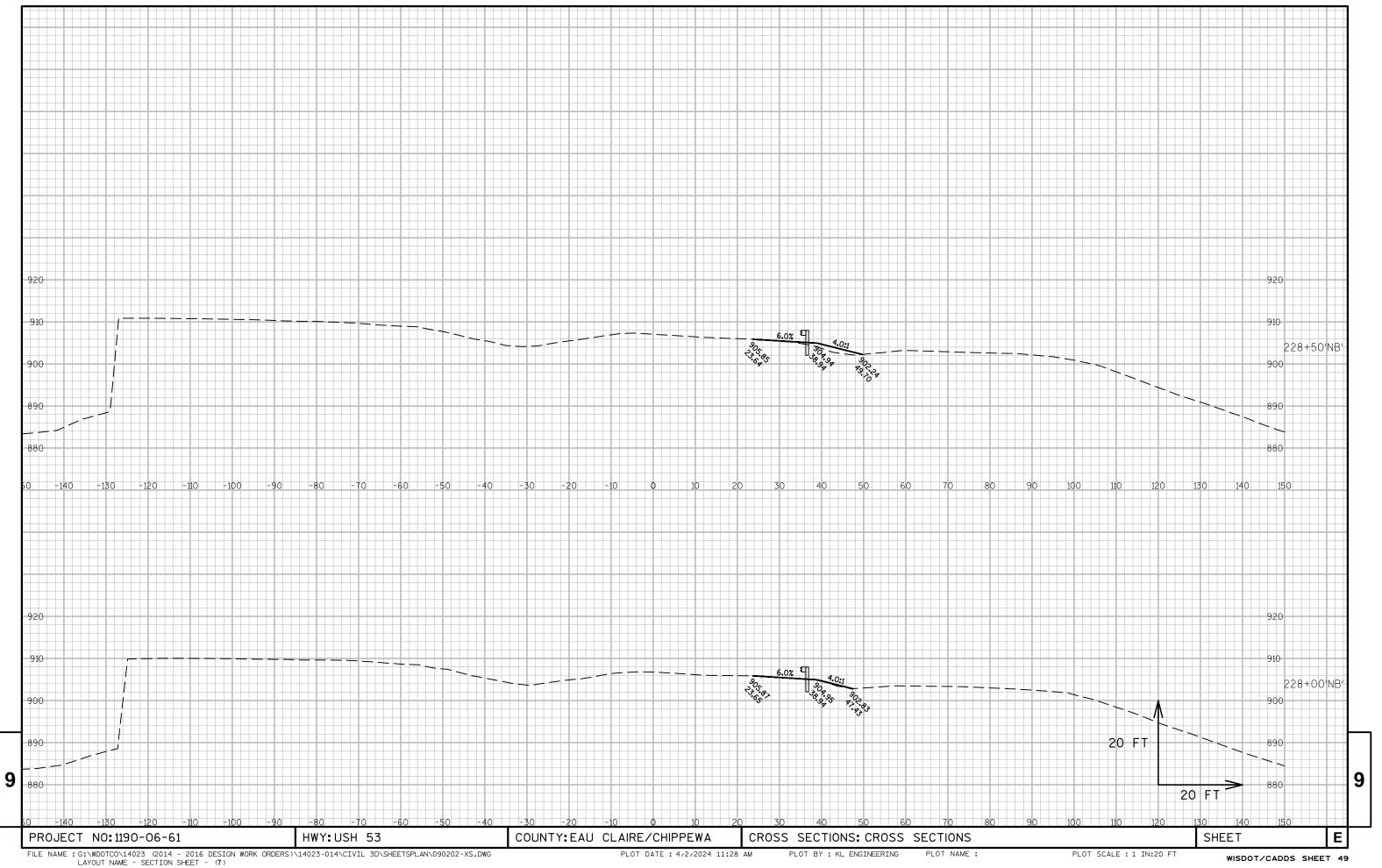


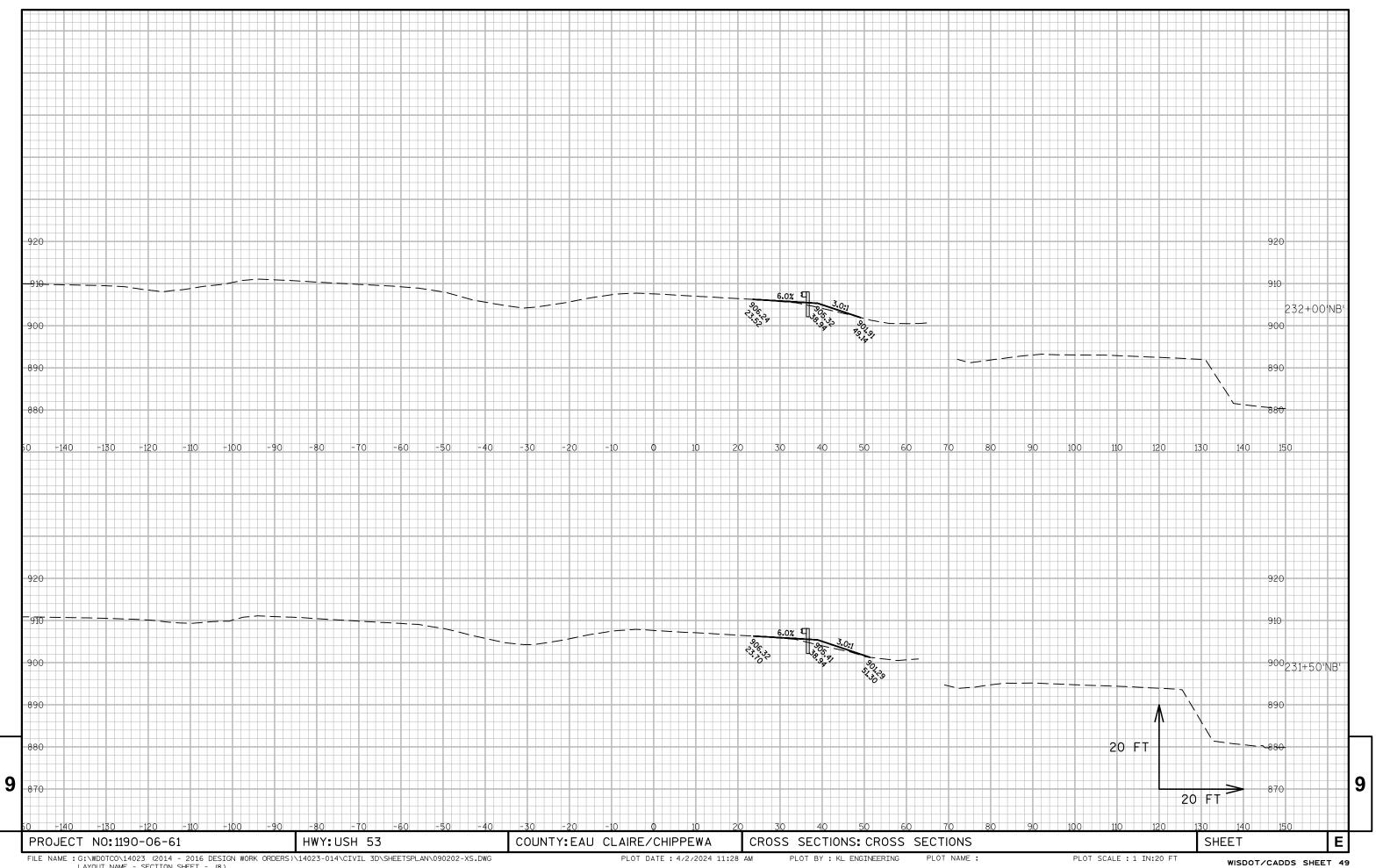


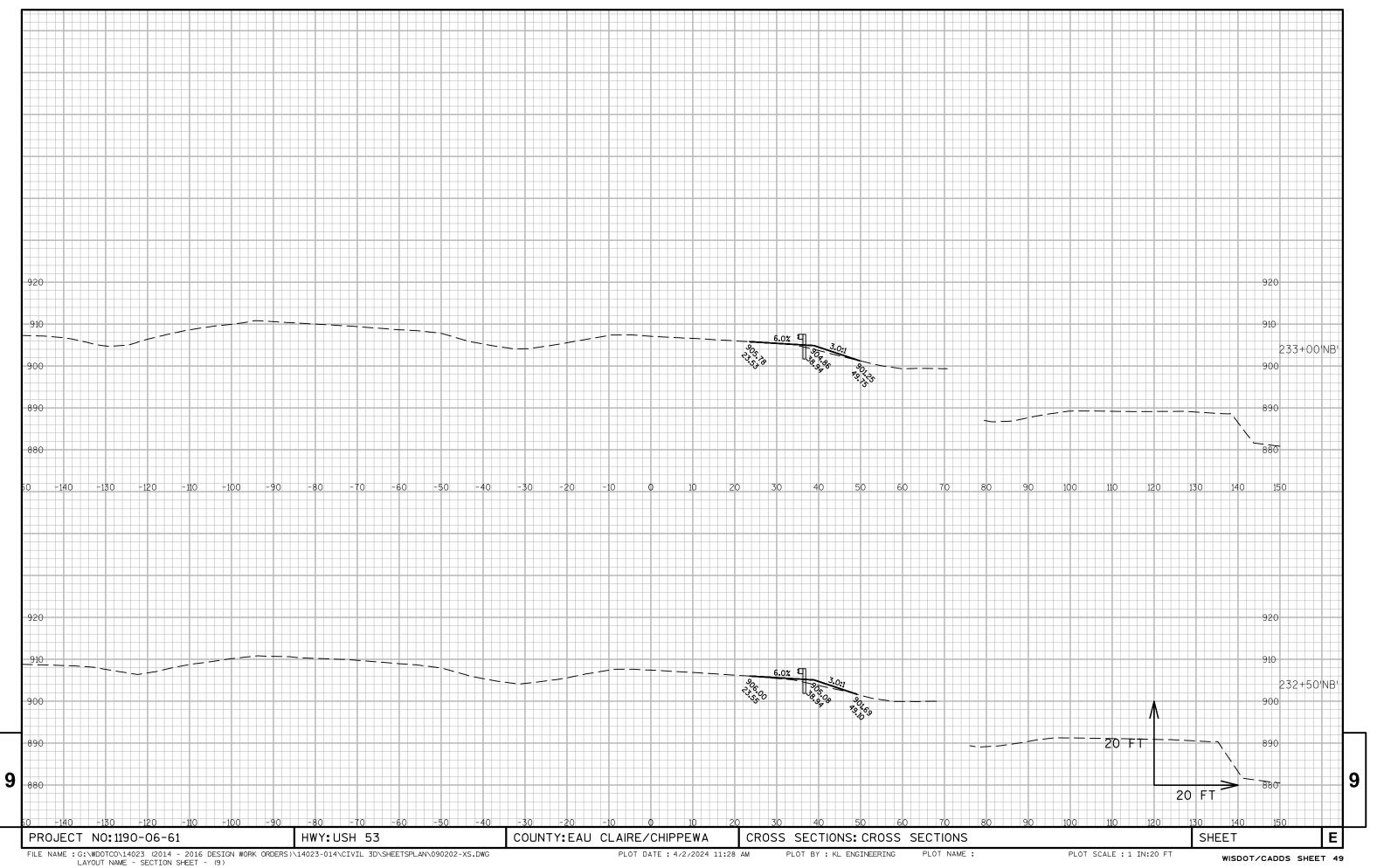


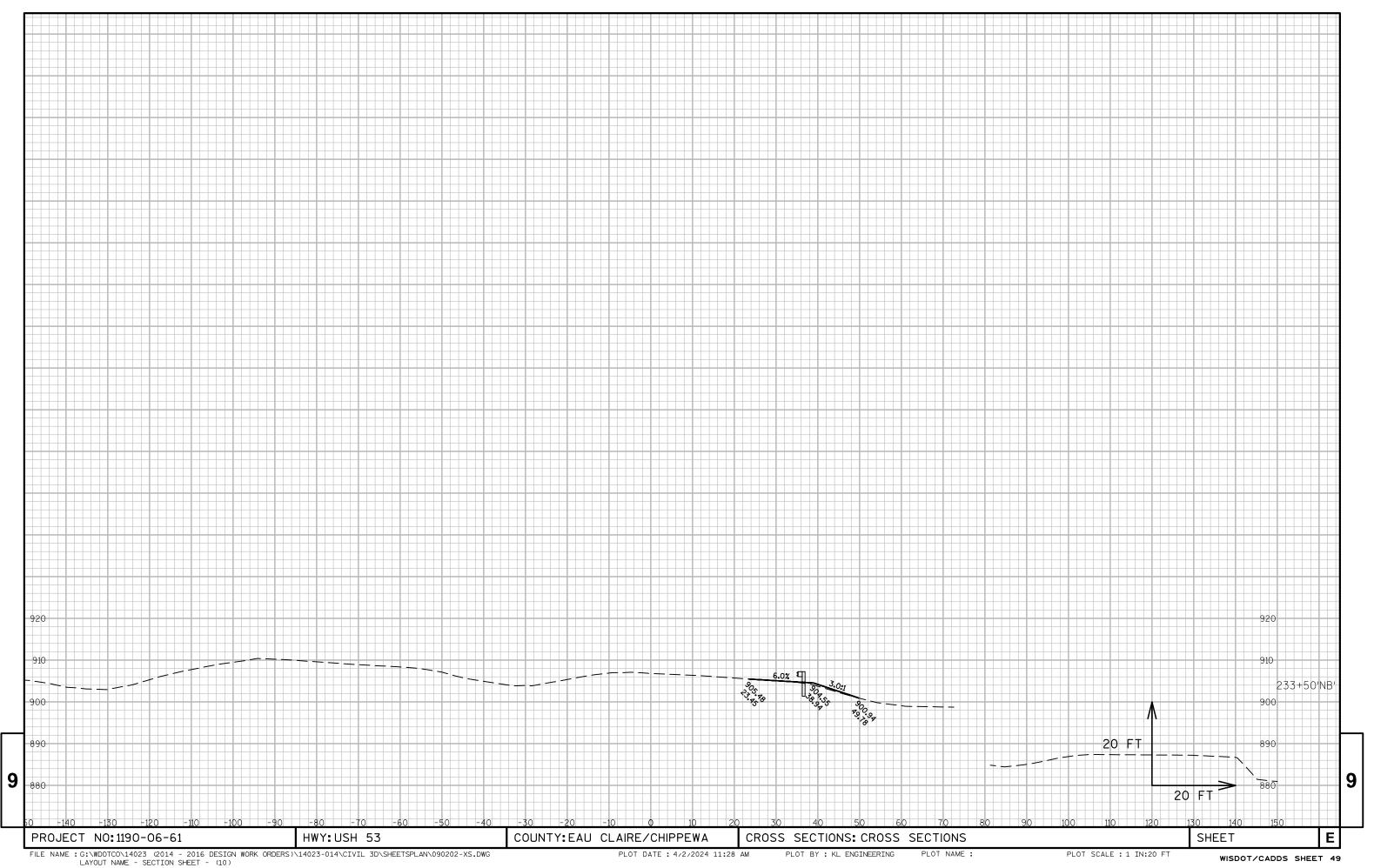


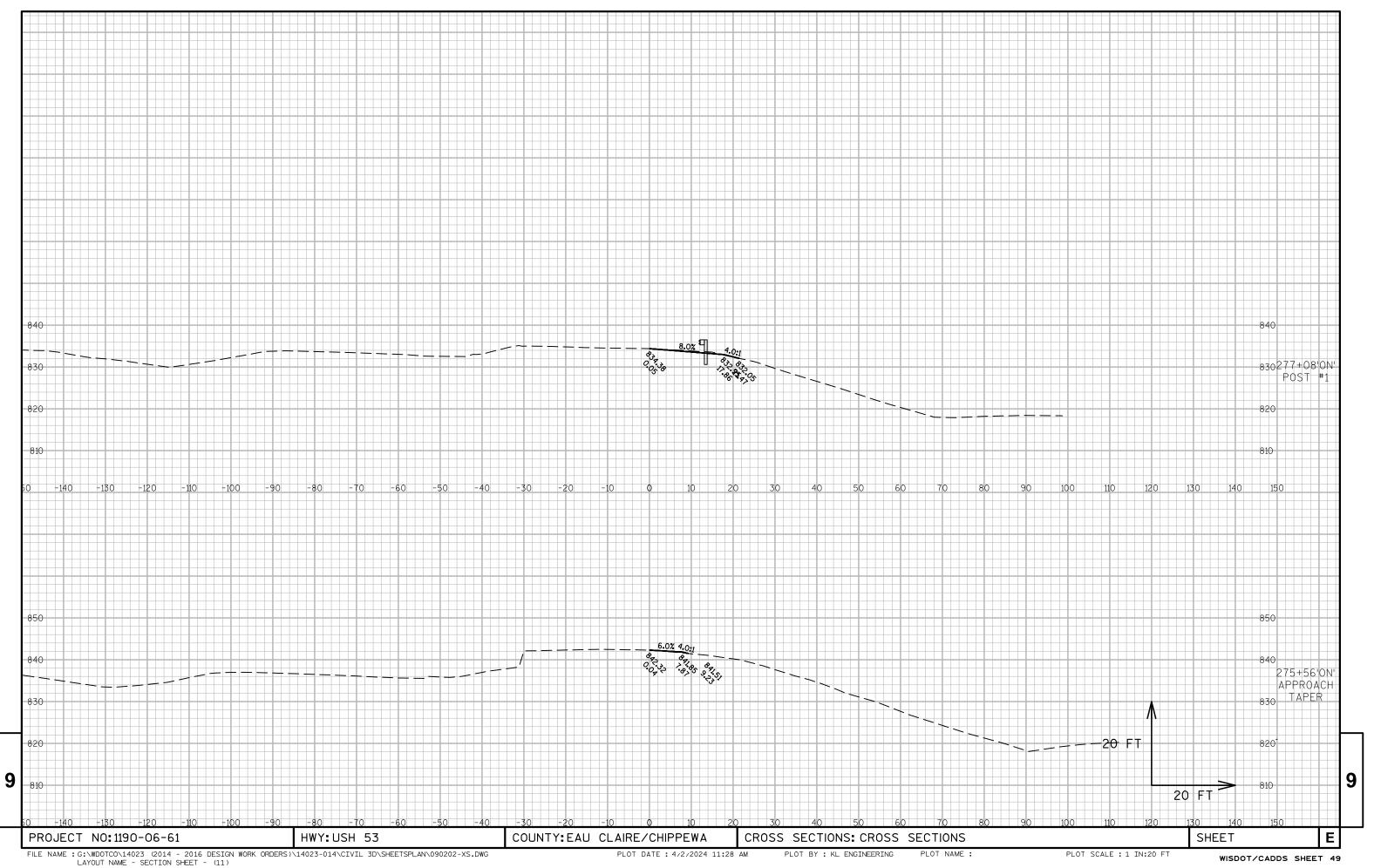


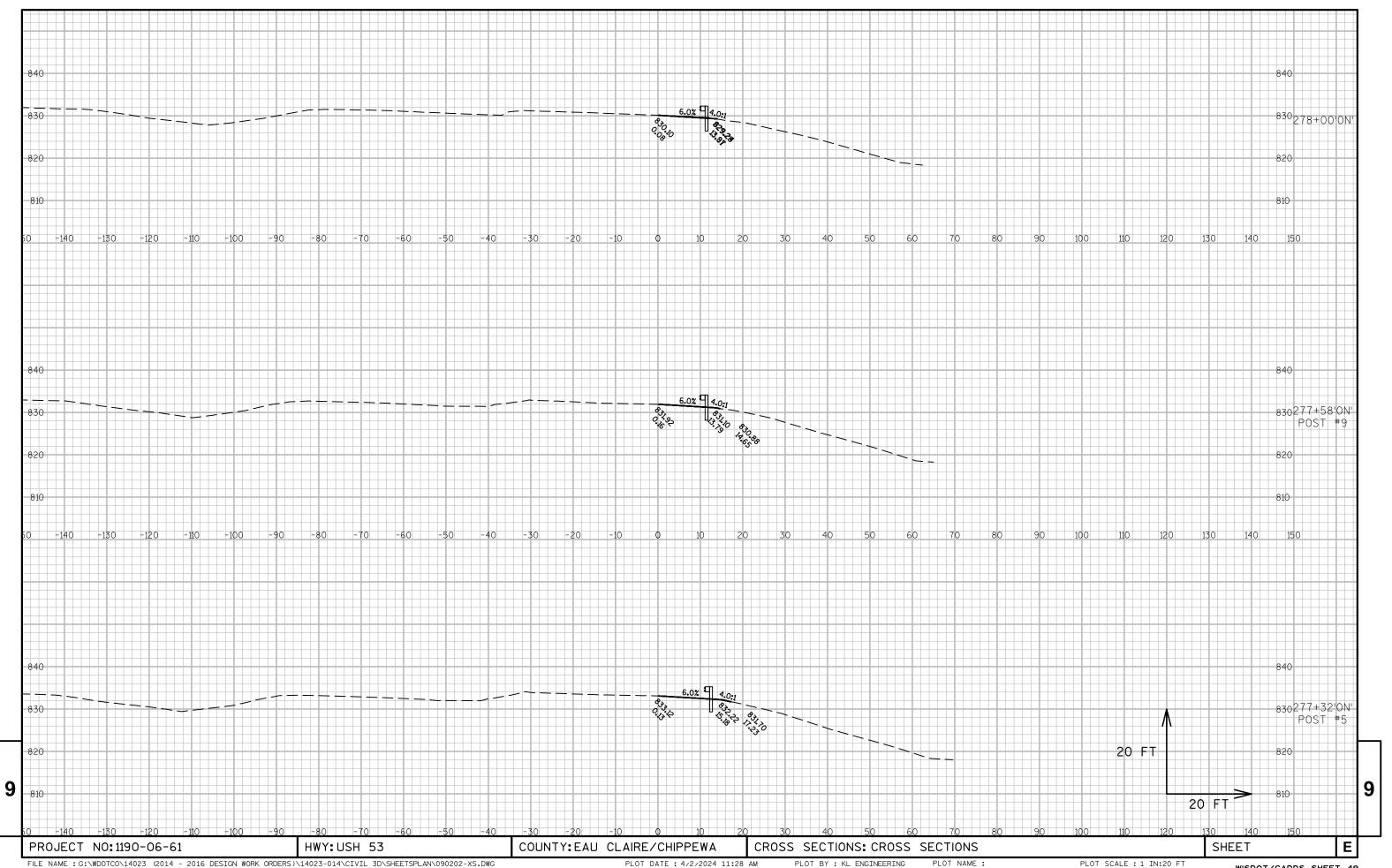


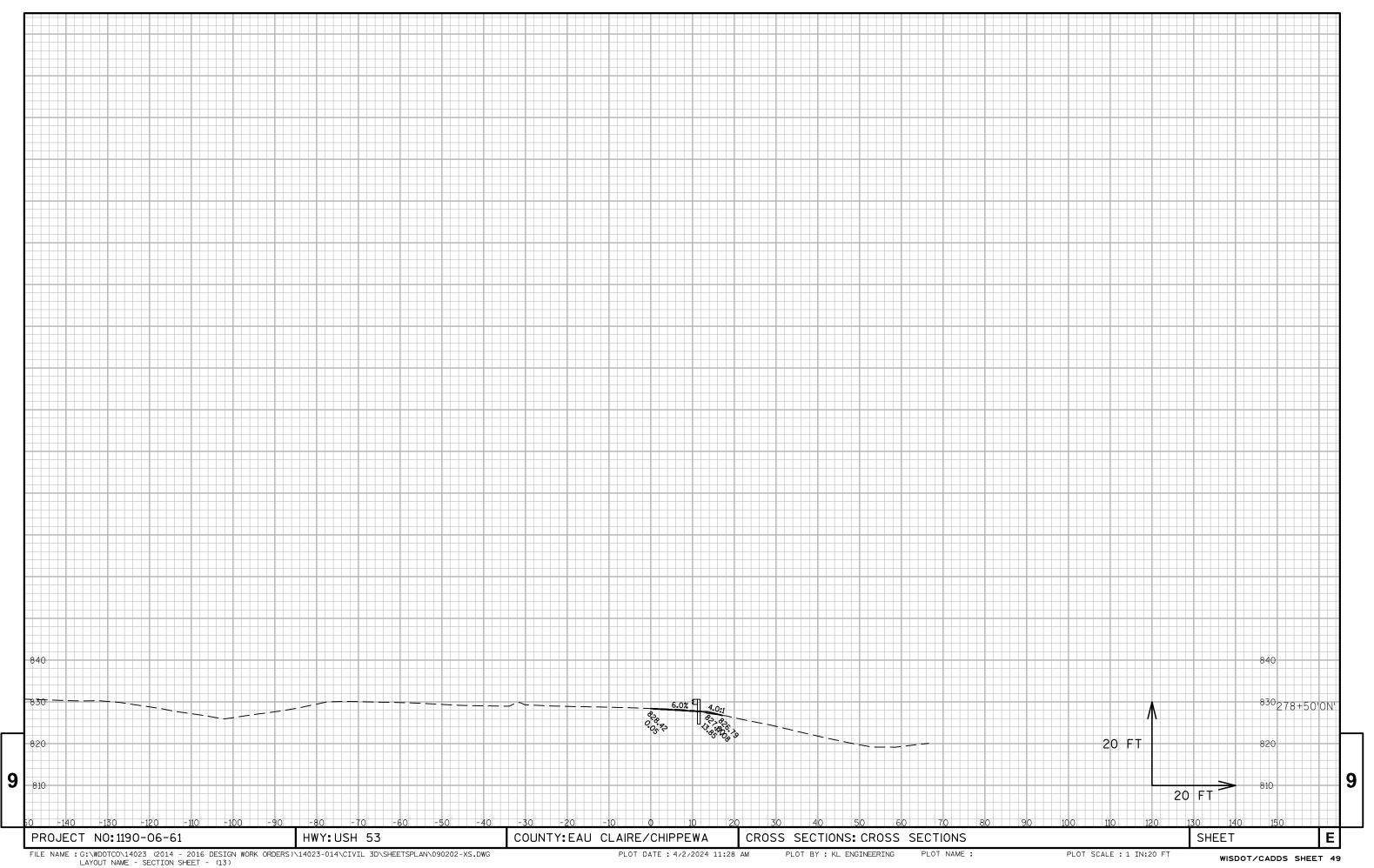


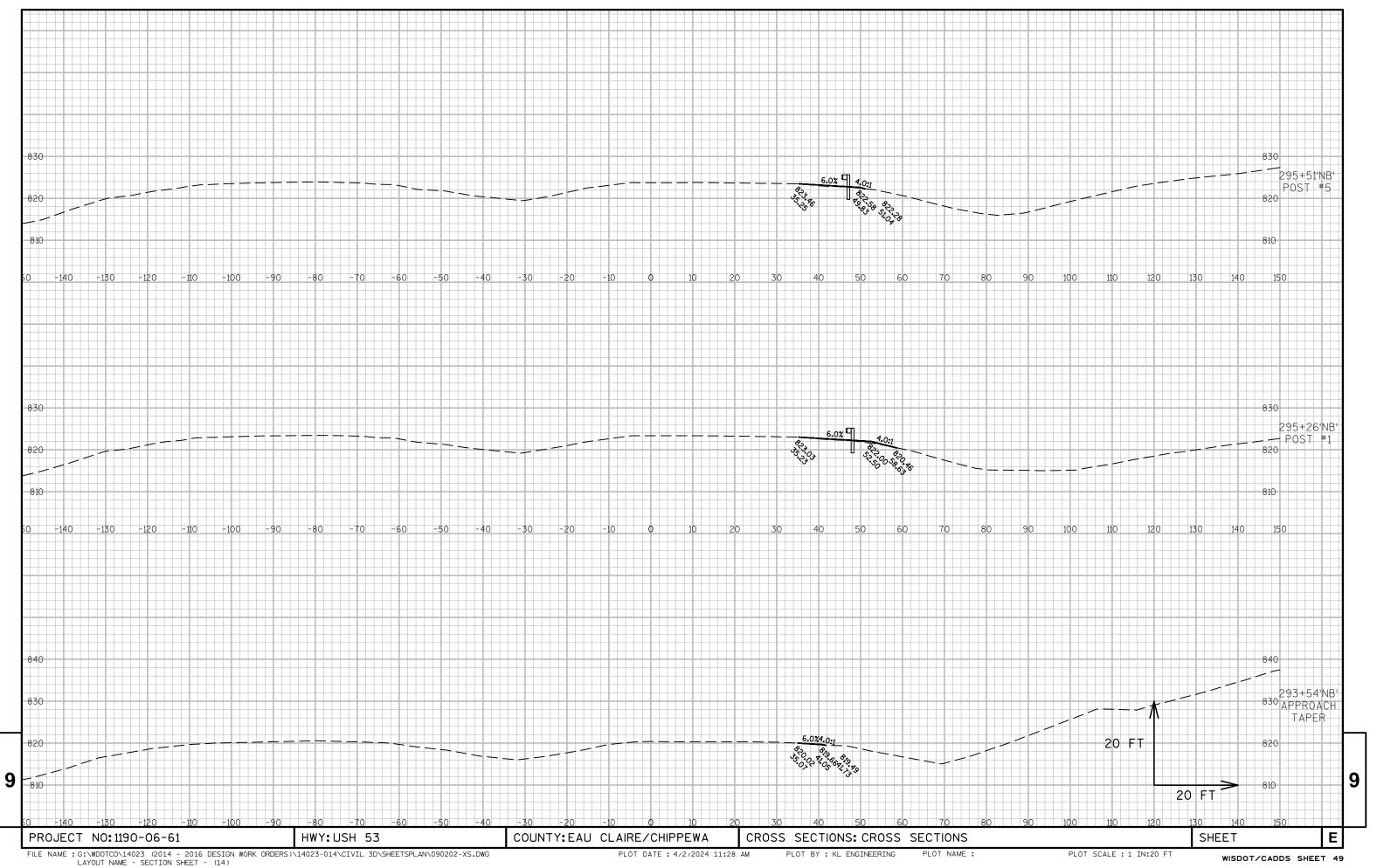


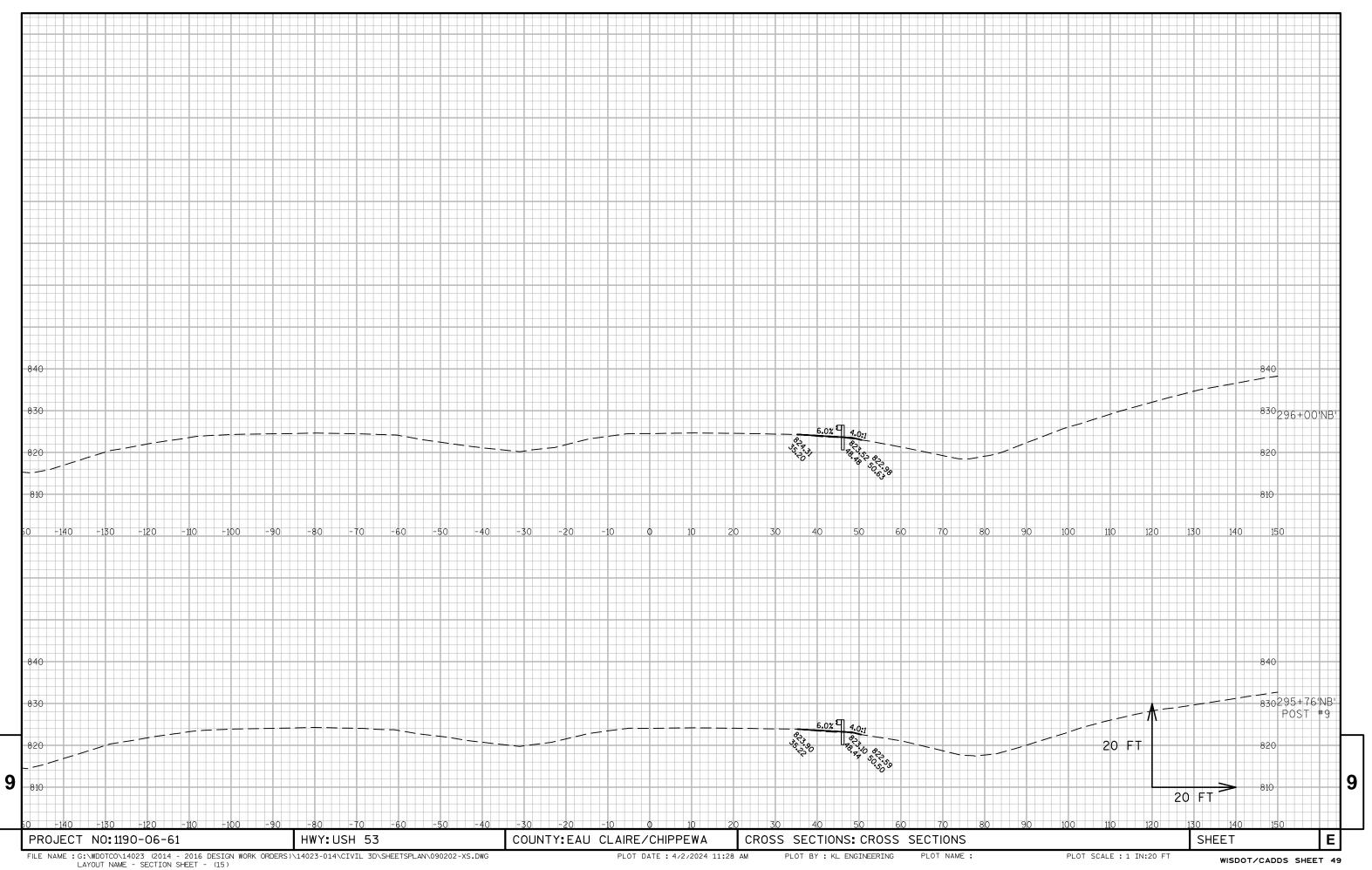


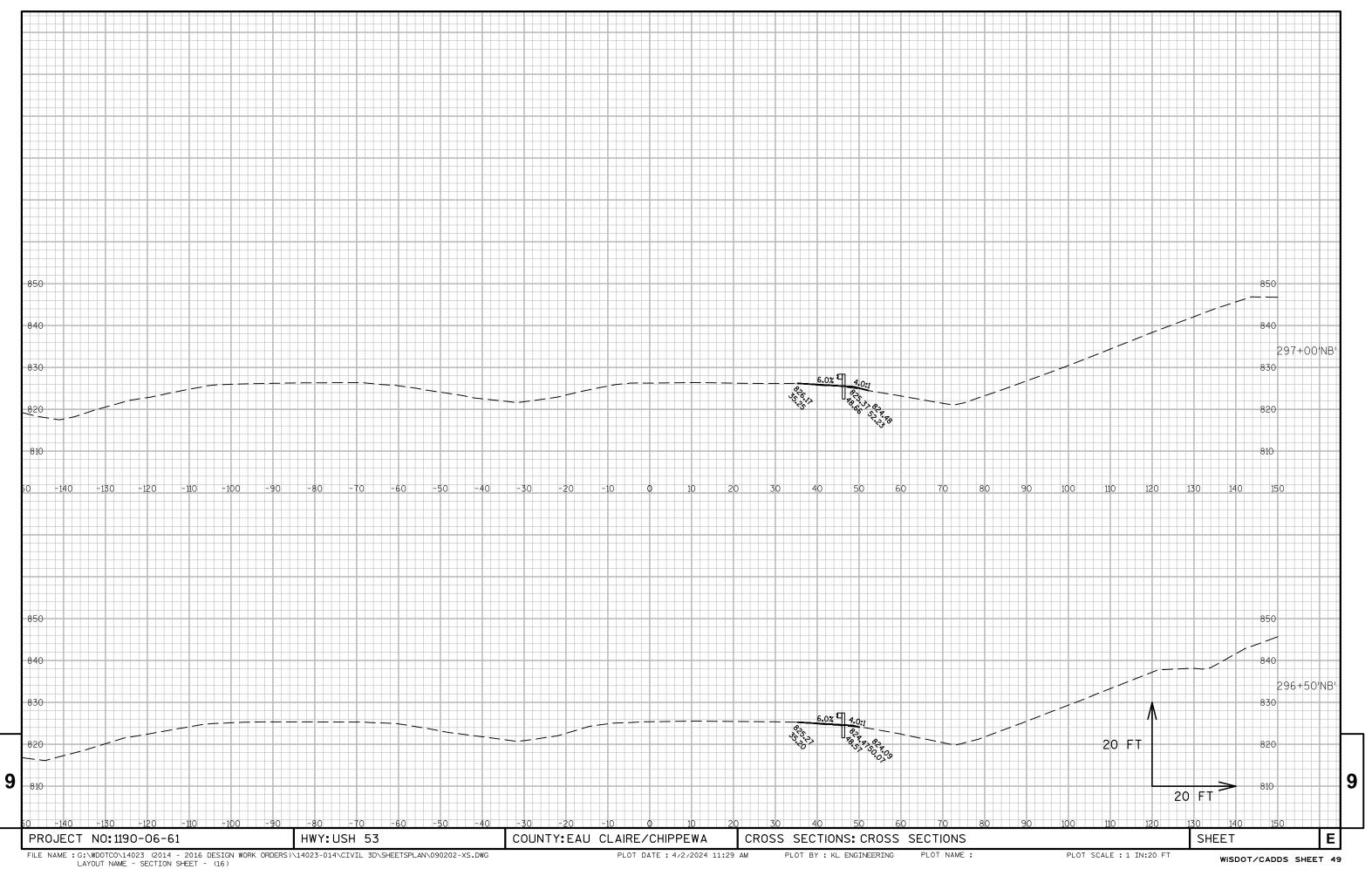


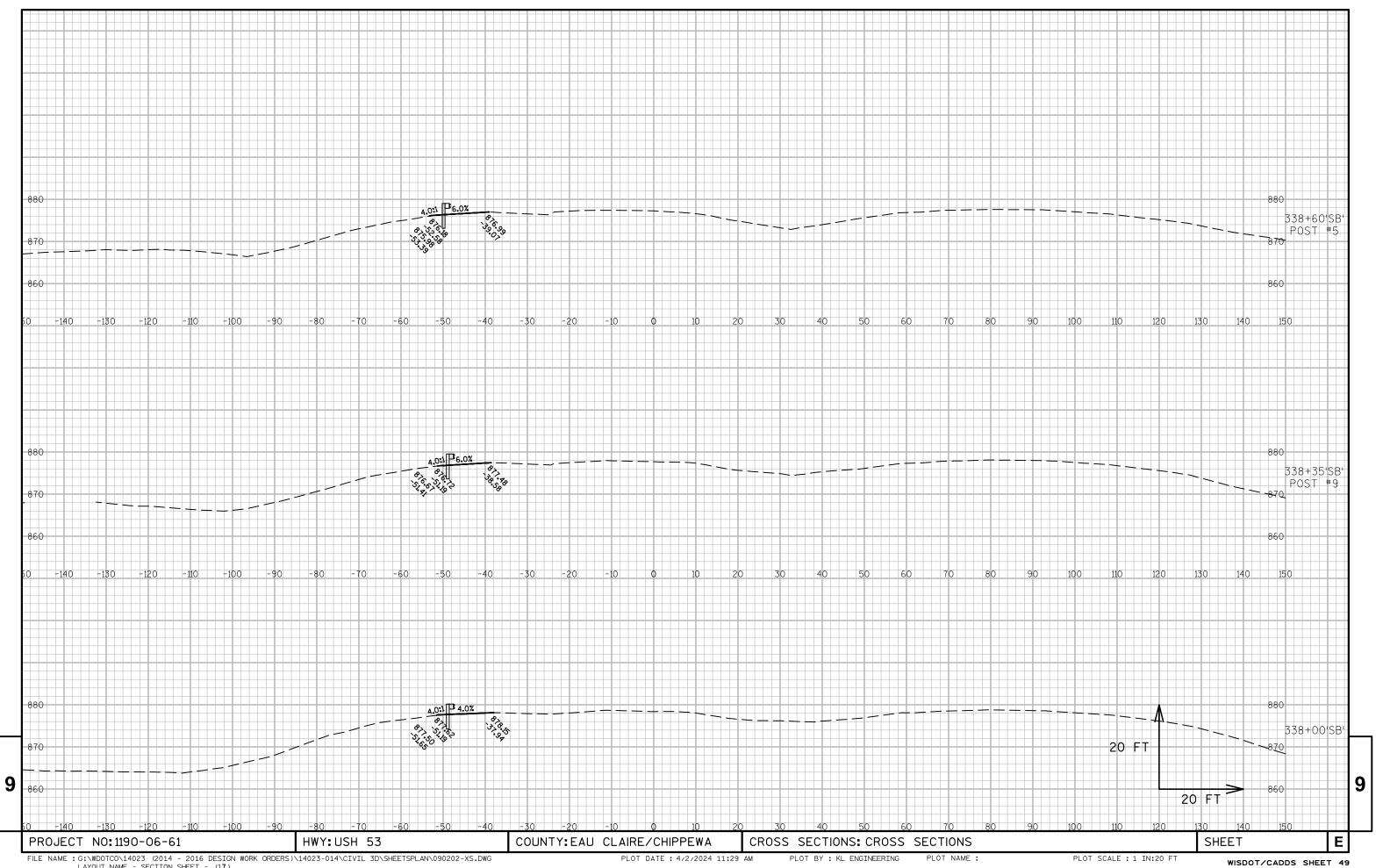


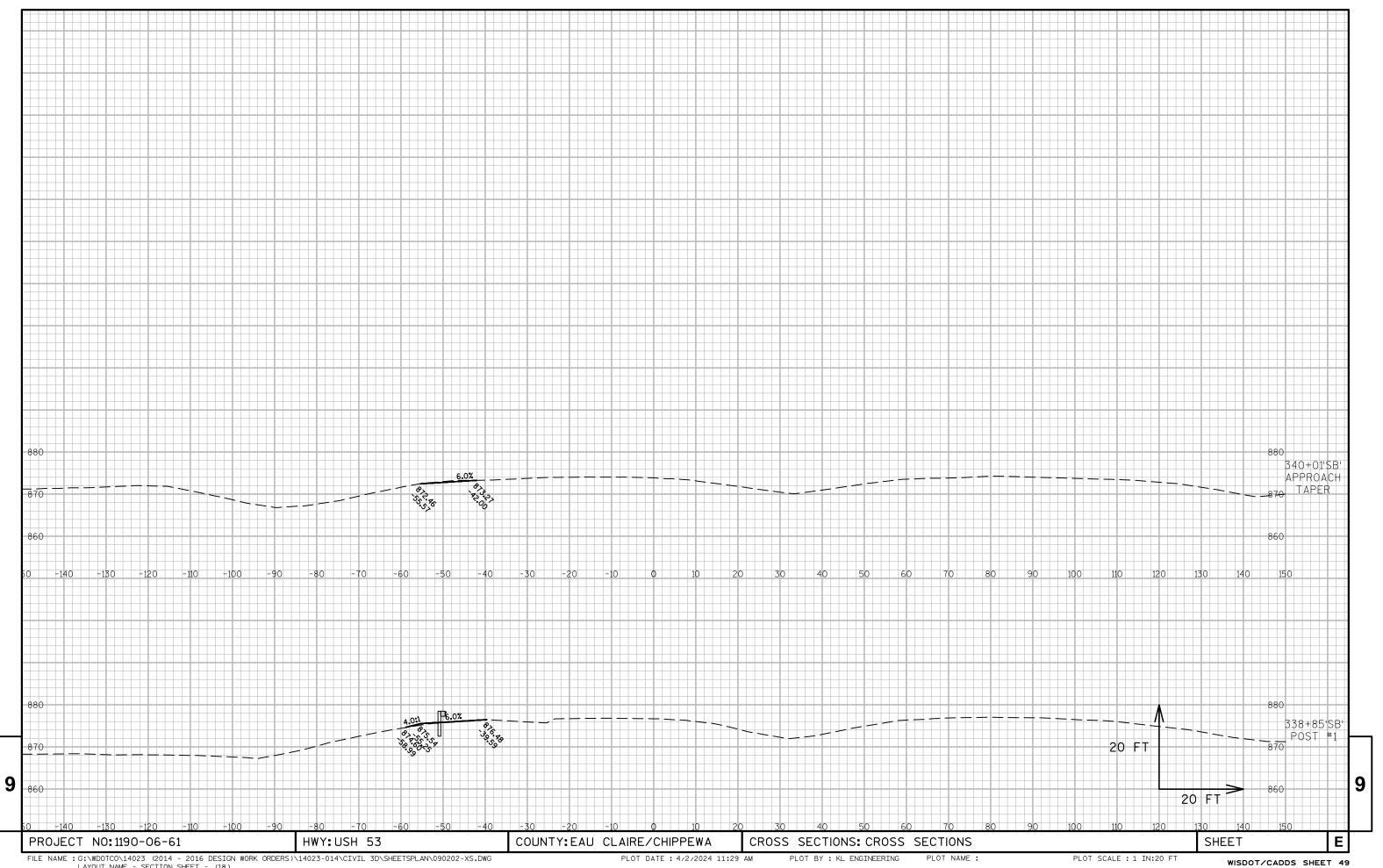














Wisconsin Department of Transportation

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