

EAU NOVEMBER 2015

ORDER OF SHEETS

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

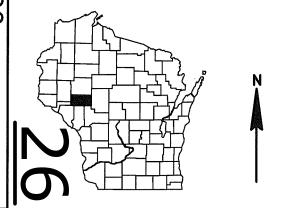
Section No. 3 Miscellaneous Quantitles Right of Way Plat Plan and Profile

Section No. 5 Standard Detail Drawings Section No. 6

Section No. 7 Sign Plates Structure Plans Section No. 8

Section No. 9 Cross Sections

TOTAL SHEETS = 194



DESIGN DESIGNATION

A.A.D.T. (2015) = 25,100 A.A.D.T. (2035) = 29,800 D.H.V. = 3,010 = 58/42 D.D. = 25.3% OF AADT

DESIGN SPEED = 70 MPH **ESALS** = N/A

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT

REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT

COMBUSTIBLE FLUIDS

(Box or Pipe)

SWAMP AREA

WOODED OR SHRUB AREA

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT CONTRACT **PROJECT** WISC 2015582 1022-00-66 WISC 2015583 1022-00-80

EAU CLAIRE - OSSEO

USH 53 INTERCHANGE

IH 94 **EAU CLAIRE**

> STATE PROJECT NUMBER 1022-00-66

BEGIN PROJECT 1022-00-66

STA. 534'EB'+10

STA. 533'WB'+90

X=356282.0128

Y=262000.6058

X=356271.6567

Y=262060.5615

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE

POWER POLE

WATER

GRADE ELEVATION

MARSH OR ROCK PROFILE

CULVERT (Profile View)

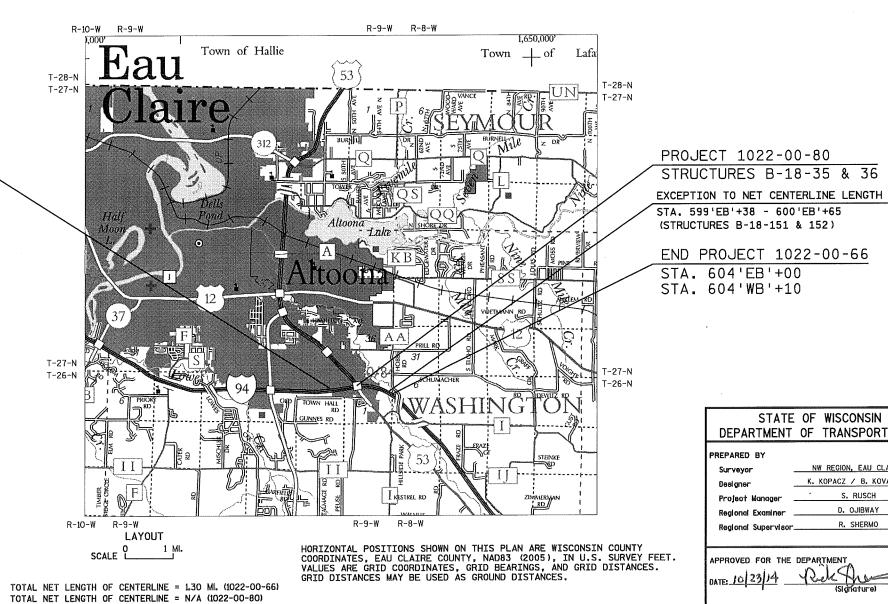
(To be noted as such)

EAU CLAIRE - OSSEO

USH 53 NB B-18-35 & SB B-18-36

IH 94 EAU CLAIRE

> STATE PROJECT NUMBER 1022-00-80



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Surveyor

NW REGION, EAU CLAIRE K. KOPACZ / B. KOVALESKI Designer Project Manage

AND CONCRETE PAVEMENT REPLACEMENT DOWELED SPECIAL ARE TO BE DETERMINED BY THE ENGINEER.

BEAM GUARD RAIL HEIGHT AT LEAST 273/INCHES AND LESS THAN 29 INCHES IN THE FINAL CONDITION

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATIONS OF BEAM GUARD ADJUSTMENTS AND REPLACEMENTS ARE TO BE DETERMINED BY THE ENGINEER.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE COUNTY SURVEYOR CONCERNING MONUMENT AND

THE LOCATIONS OF UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. SLOPES AND

LOCATIONS FOR PERMANENT SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OF PERMANENT

WORK CONSISTS OF TRAFFIC CONTROL, CONTAINMENT ENCLOSURE ERECTION, ABRASIVE BLASTING SURFACE PREPARATION,

ENCLOSURE AND MATERIALS SHALL BE MAINTAINED TAUT AND IN SUCH A MANNER THAT IT WILL NOT OBSTRUCT/DISTRACT

WHEN THE QUANTITY OF THE ITEM OF HMA PAVEMENT IS MEASURED BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE

GENERAL NOTES - PROJECT 1022-00-80

AND APPLICATION OF NEW COATING SYSTEM FOR ALL STRUCTURAL STEEL OF PROJECT BRIDGE.

THE EXACT LOCATIONS OF BUTT JOINTS, CONCRETE PAVEMENT REPAIR DOWELED SPECIAL,

DOES NOT REQUIRE ADJUSTMENT.

PROPERTY CORNER PRESERVATION.

UTILITIES WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN.

THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

SIGNS ARE TO BE COORDINATED IN THE FIELD BY THE ENGINEER.

DISTANCES MAY VARY WITHIN THE STATION LIMITS.

THE VIEW OF OR SNAG ON ANY PASSING VEHICLES.

AT&T LEGACY

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PHONE: 715-737-4203, 715-577-7729 (MOBILE) EMAIL: DANIEL.J.KLEIN@XCELENERGY.COM

Dial or (800)242-8511

www.DiggersHotline.com

COUNTY: EAU CLAIRE

GEN. NOTES / UTILITIES

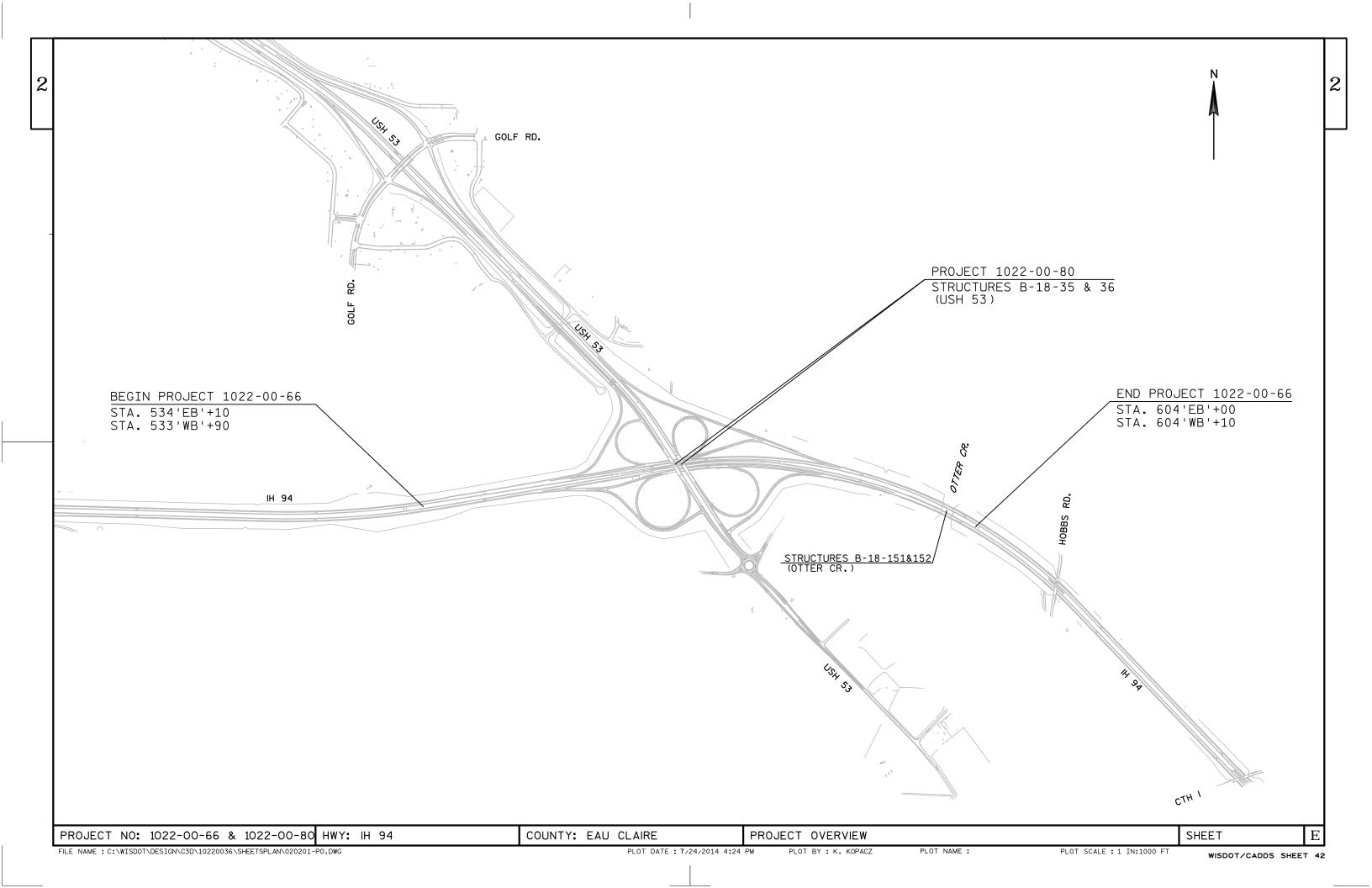
PLOT BY : K. KOPACZ

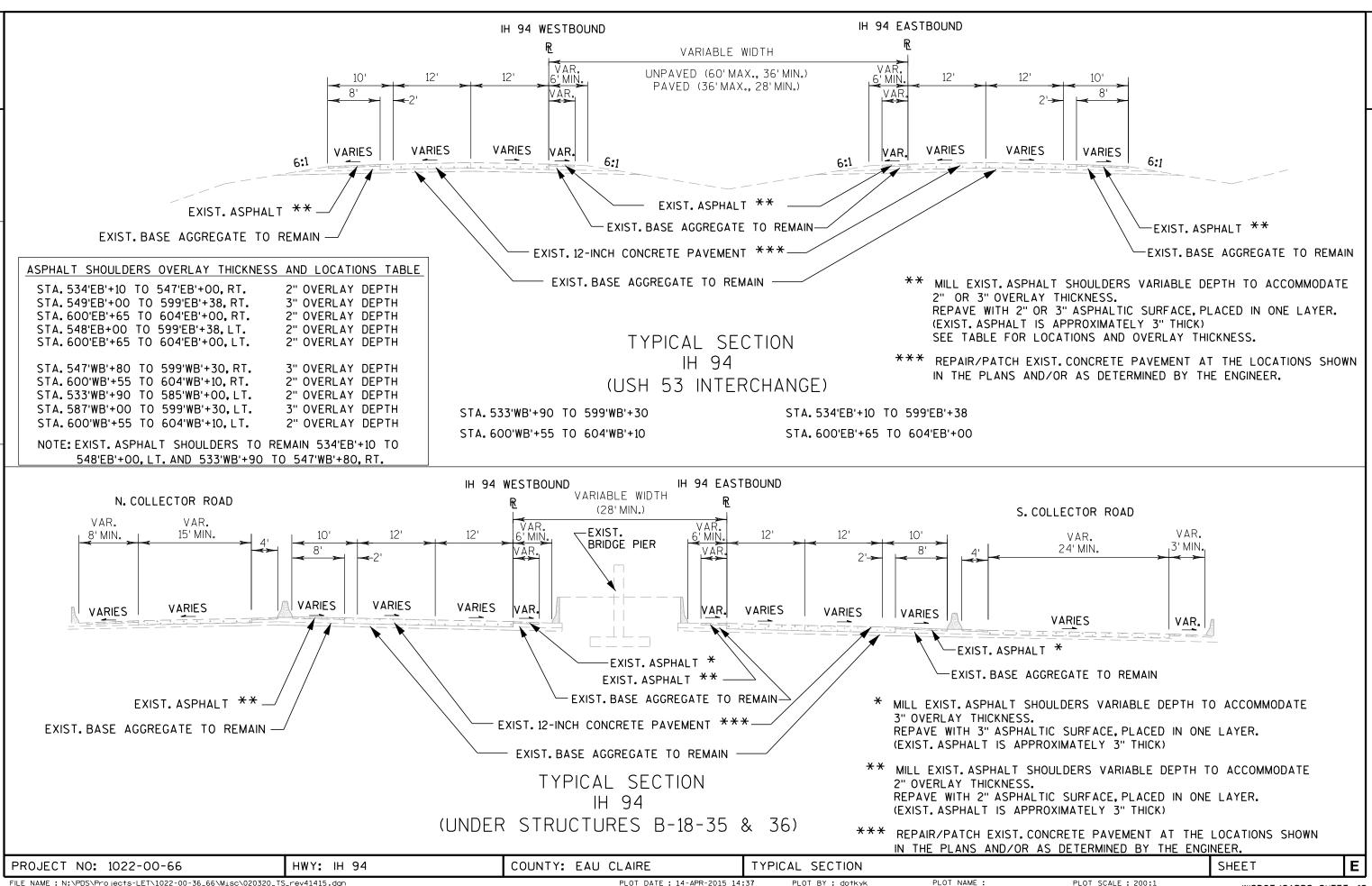
SHFFT

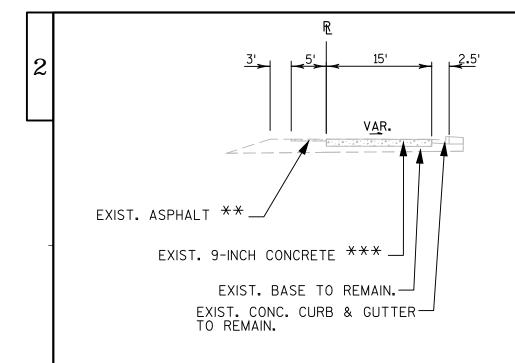
PROJECT NO:1022-00-66 & 1022-00-80 | HWY: IH 94

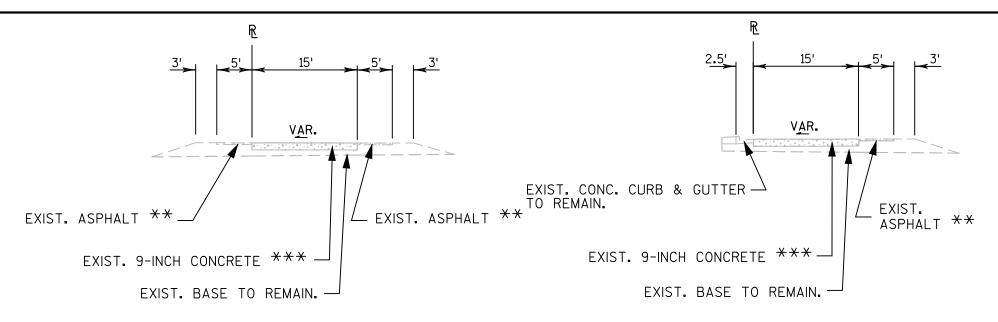
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PLOT NAME :









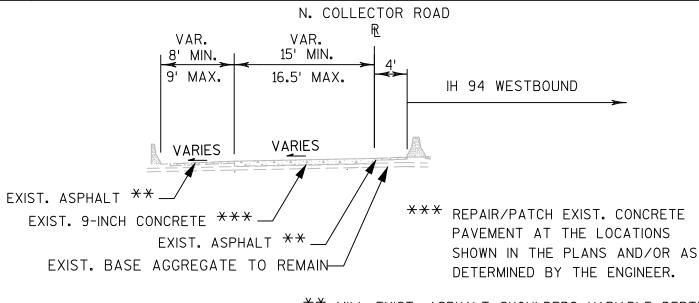
TYPICAL SECTIONS (CONCRETE) USH 53 INTERCHANGE RAMPS

555'SW'+80 TO 558'SW'+85 576'SE'+95 TO 582'SE'+25 553'NW'+00 TO 555'NW'+60 579'NE'+50 TO 583'NE'+75 568'NC'+85 TO 572'NC'+00 108'SL'+50 TO 111'SL'+00 121'SL'+80 TO 123'SL'+50 51'NL'+75 TO 53'NL'+00 60'NL'+15 TO 61'NL'+40 ** MILL EXIST. ASPHALT SHOULDERS 5' WIDTH, VARIABLE DEPTH TO ACCOMMODATE 2" OVERLAY THICKNESS.

REPAVE WITH 2" ASPHALTIC SURFACE, PLACED IN ONE LAYER.

(EXIST. ASPHALT IS APPROXIMATELY 3" THICK)

*** REPAIR/PATCH EXIST. CONCRETE PAVEMENT AT THE LOCATIONS SHOWN IN THE PLANS AND/OR AS DETERMINED BY THE ENGINEER.



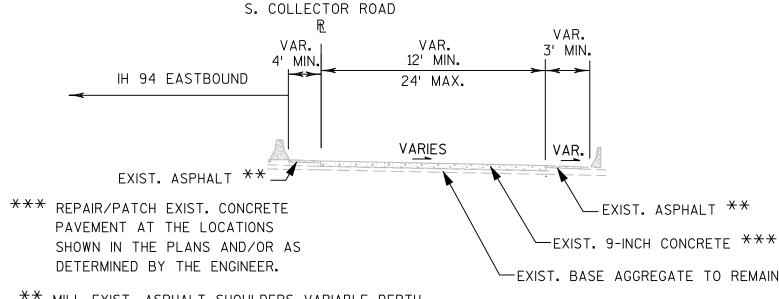
** MILL EXIST. ASPHALT SHOULDERS VARIABLE DEPTH TO ACCOMMODATE 2" OVERLAY THICKNESS. REPAVE WITH 2" ASPHALTIC SURFACE, PLACED IN ONE LAYER. (EXIST. ASPH. IS APPROX. 3" THICK)

COUNTY: EAU CLAIRE

TYPICAL SECTIONS (CONCRETE) USH 53 N. COLLECTOR ROAD

552'NC'+00 TO 572'NC'+00

HWY: IH 94



** MILL EXIST. ASPHALT SHOULDERS VARIABLE DEPTH TO ACCOMMODATE 2" OVERLAY THICKNESS. REPAVE WITH 2" ASPHALTIC SURFACE, PLACED IN ONE LAYER. (EXIST. ASPH. IS APPROX. 3" THICK)

TYPICAL SECTIONS (CONCRETE)
USH 53 S. COLLECTOR ROAD
549'SC'+00 TO 583'SC'+00

PLOT NAME :

TYPICAL SECTION

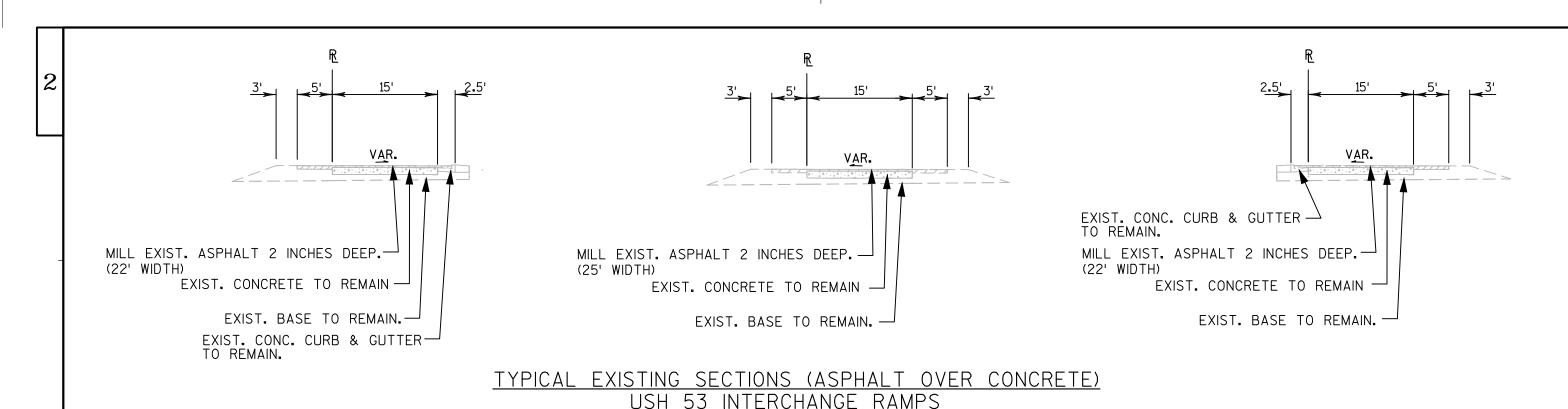
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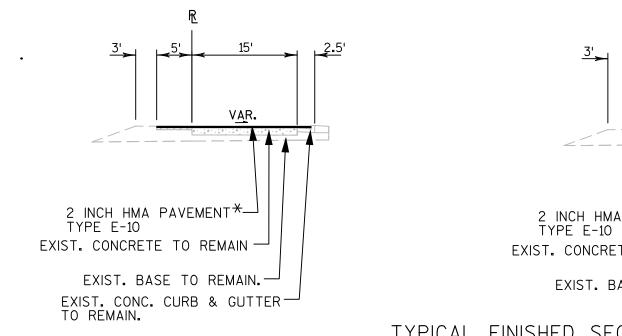
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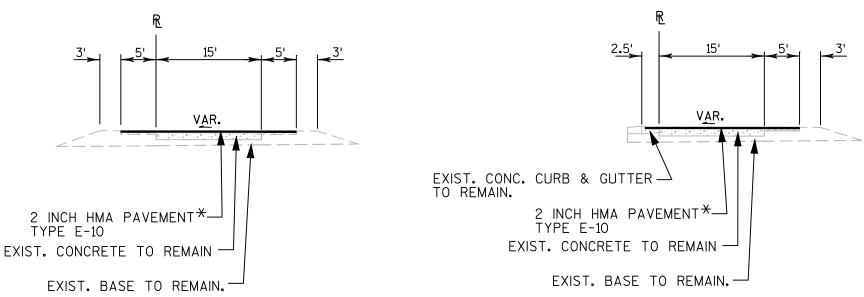
PROJECT NO: 1022-00-66

PLOT DATE: 10/16/2014 1:49 PM PLOT BY: K. KOPACZ

PLOT SCALE : 1 IN:10 FT







TYPICAL FINISHED SECTIONS (ASPHALT OVER CONCRETE) USH 53 INTERCHANGE RAMPS

*PLACE IN ONE LAYER.

558'SW'+85	ΤO	565'SW'+15
573'SE'+30	ТО	576'SE'+95
555'NW'+60	ТО	563'NW'+70
556'NE'+90	TO	579'NE'+50
572'NC'+00	ТО	577'NC'+22

97'SL'+00 TO 108'SL'+50 123'SL'+50 TO 133'SL'+55 44'NL'+00 TO 51'NL'+75 61'NL'+40 TO 66'NL'+65

PROJECT NO:1022-00-66 HWY: H 94 COUNTY: EAU CLAIRE TYPICAL SECTION SHEET E

2

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 WEIGHT AND SIZE OF CONCRETE PIECES. ADDITIONAL SAW CUTS ARE NOT PAID FOR BY THE DEPARTMENT.

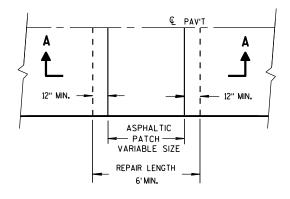
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

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

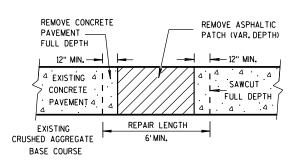
1 DOWEL BARS MIGHT NOT EXIST.

WIDTH

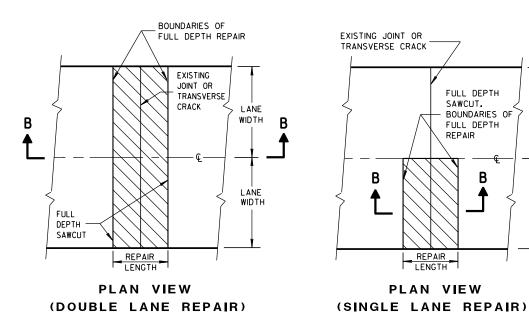
WIDTH



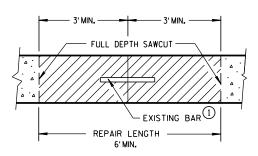
PLAN VIEW



SECTION A-A
HMA PATCH REMOVAL



FULL DEPTH CONCRETE PAVEMENT REMOVAL
(SEE NOTE)



SECTION B-B
CONCRETE REMOVAL

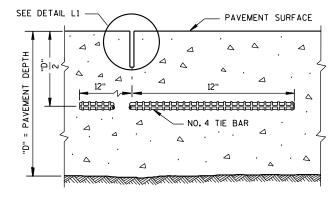
PLOT BY : dotkyk

PLOT NAME :

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

18" DOWEL BARS ANCHORED

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



TRANSVERSE JOINTS

C1

L1

LANE

WIDTH

LANE

WIDTH

DOWEL BARS

INTO EXISTING

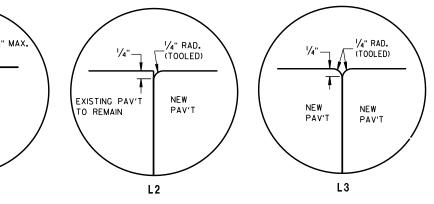
ANCHORED

PAVEMENT

15" C-C

EXISTING PAV'T

TO REMAIN



1/4" RAD.

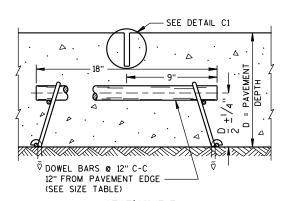
(TOOLED)

PAV'T

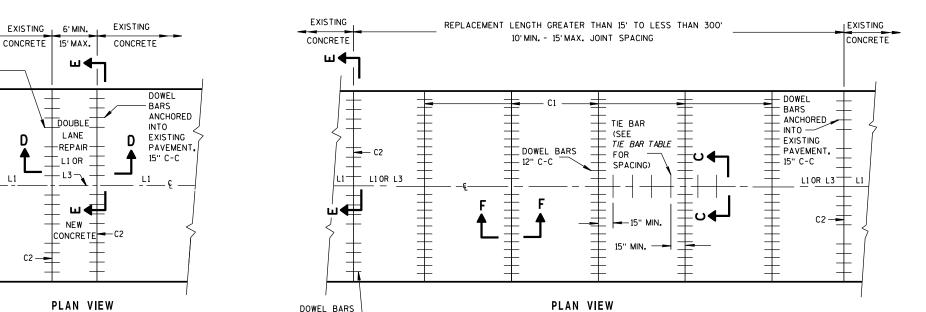
C2

LONGITUDINAL JOINTS

SECTION C-C SAWED LONGITUDINAL JOINT



SECTION F-F **CONTRACTION JOINT**



TIE BAR TABLE

CLEAR COVER

"C"

3"±1/2"

3 1/4"±1"

3 ¾"±1"

4 ½"±1"

4 ¾"±1"

5 1/4"±1"

5 ¾"±1"

PAVEMENT

DEPTH

"D"

6, 6 1/2"

7, 7 1/2"

8, 8 1/2"

9,9 1/2"

10, 10 1/2"

11, 11 1/2"

12"

MAXIMUM TIE BAR

SPACING "S"

PAVEMENT WIDTH

36"

30"

27"

24"

21"

21"

24' OR 26' ≥30'

48"

45"

39"

33"

30"

27"

24"

INTO EXISTING PAVEMENT (SEE SIZE TABLE) PAVEMENT DEPTH "D" FREE MAXIMUM DRILLED HOLE SIZE IS 1/8" GREATER THAN — END OF BAR DOWEL BAR DIAMETER SEE NOTE (1) SECTION D-D

(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-0") LANE WIDTH PAVEMENT DEPTH "D" 18" DOWEL BARS (SEE SIZE TABLE) SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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

PROJECT NO: 1022-00-66

HWY: IH 94

DOWEL BARS

COUNTY: EAU CLAIRE

DETAILS

PLOT BY : DOTKYK

PLOT NAME :

SHEET

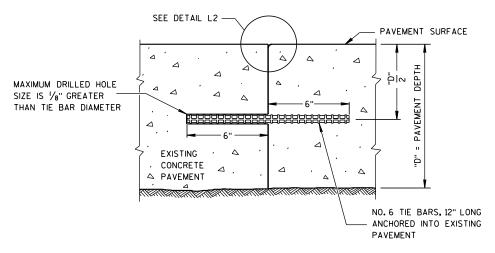
MULTI-LANE CONCRETE PAVEMENT REPAIR

DOWELED SPECIAL

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

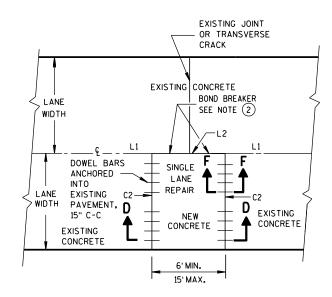
DOWELED SPECIAL

Ε



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

SINGLE LANE

CONCRETE PAVEMENT REPAIR

DOWELED SPECIAL

HWY: IH 94

COUNTY: EAU CLAIRE

DETAILS

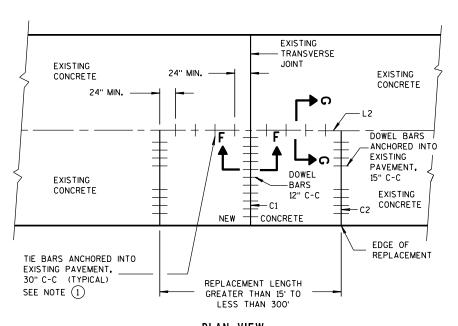
PLOT NAME :

PLOT SCALE: 200:1

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 AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

GENERAL NOTES

2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.



PLAN VIEW

SINGLE LANE

CONCRETE PAVEMENT REPLACEMENT

PLOT BY : dotkyk

DOWELED SPECIAL

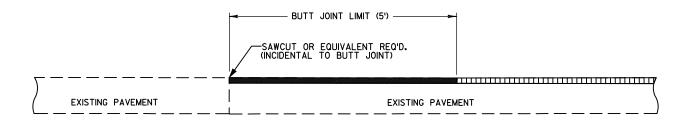
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PROJECT NO: 1022-00-66

SHEET

Ε

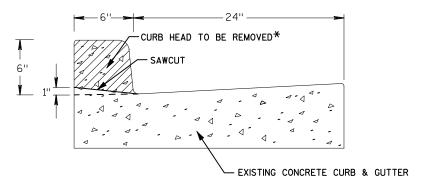




REMOVING ASPHALTIC SURFACE MILLING
REMOVING ASPHALTIC SURFACE BUTT JOINTS

BUTT JOINT DETAIL

EXACT LOCATIONS AND DIMENSIONS DETERMINED BY THE ENGINEER.



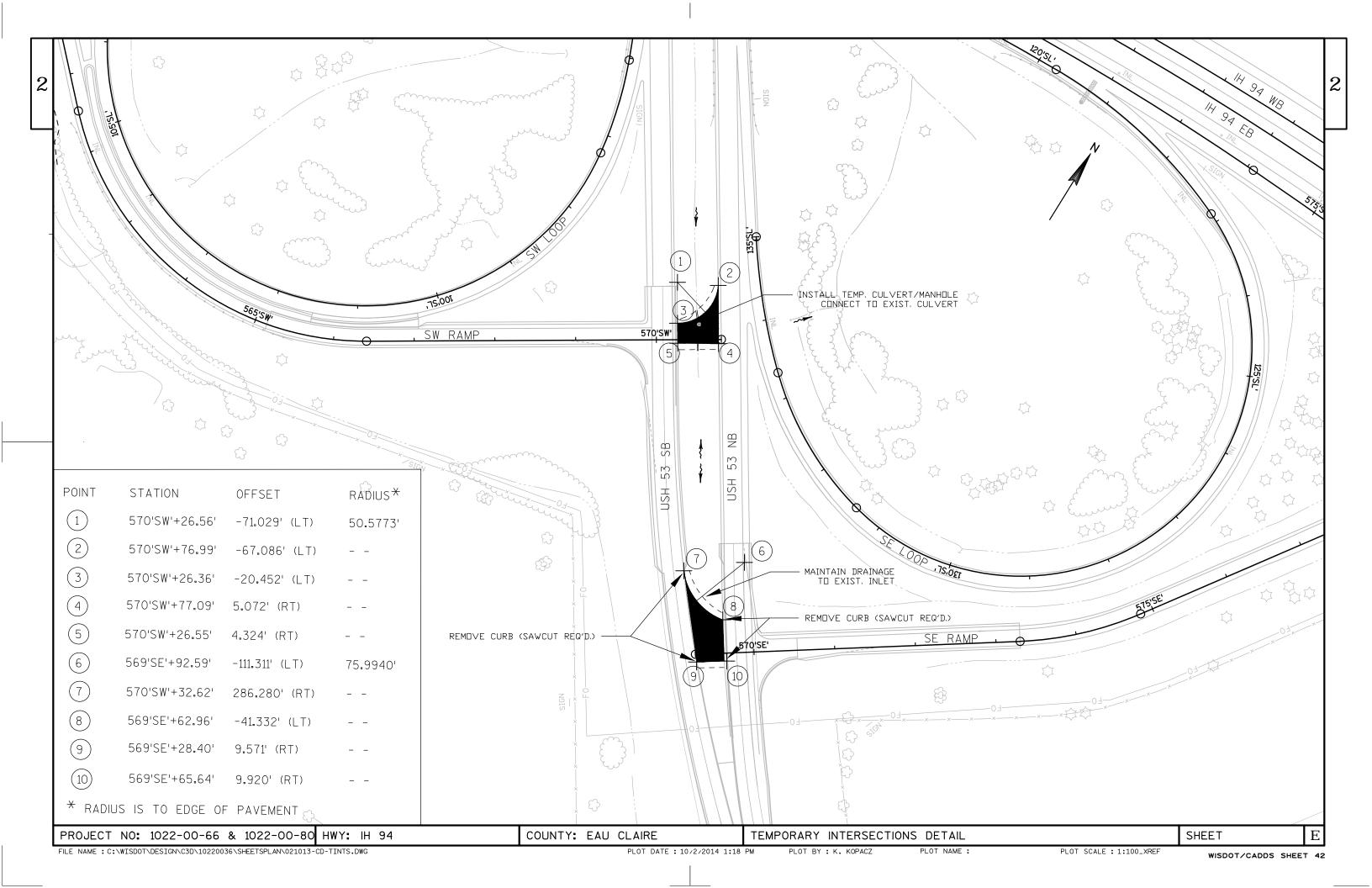
* AT REMOVAL LIMITS, TAPER CURB HEAD REMOVAL HEIGHT 6' FROM EXISTING TOP OF CURB HEAD DOWN TO FULL CURB HEAD REMOVAL.

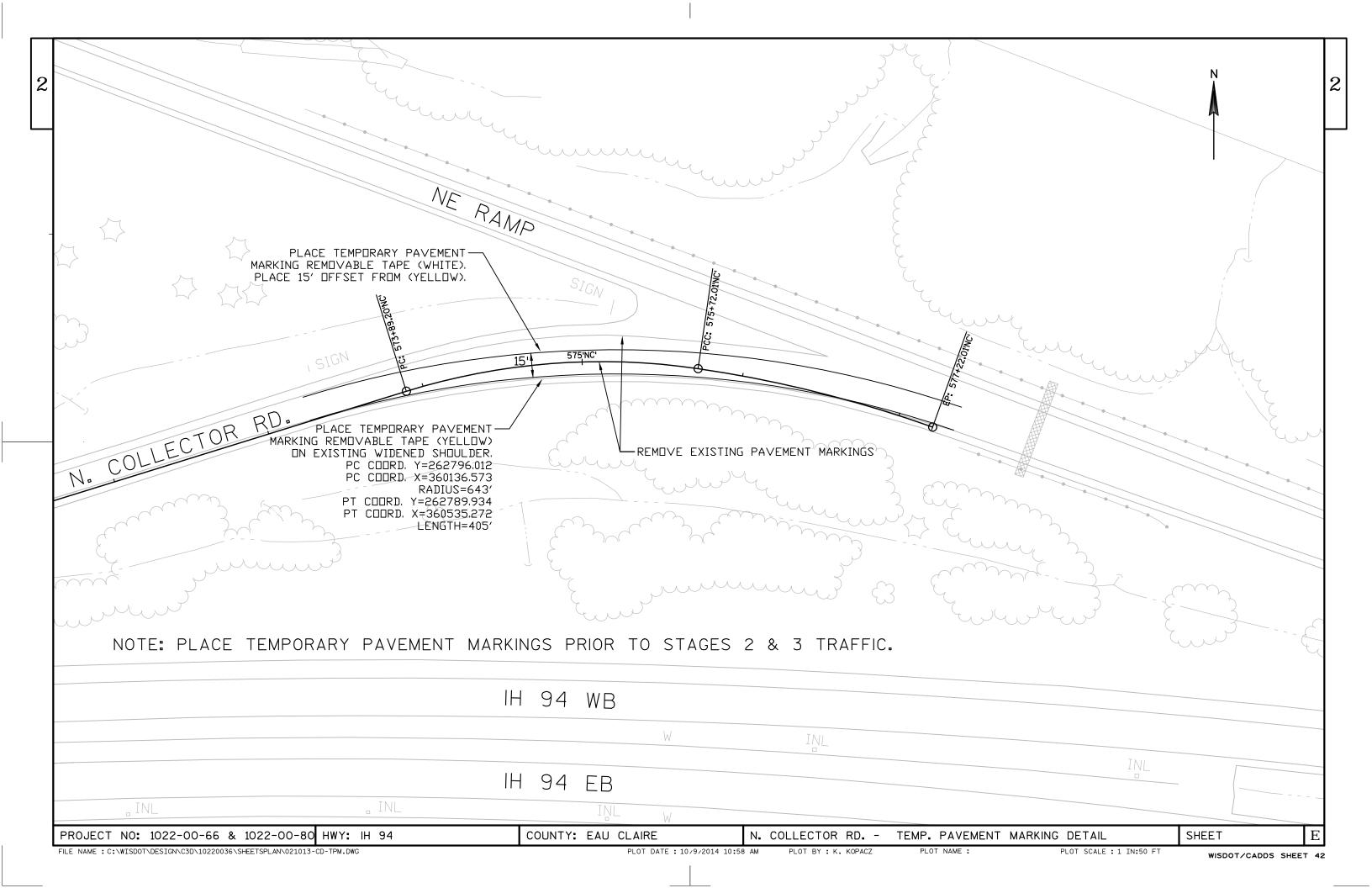
CURB HEAD REMOVAL DETAIL

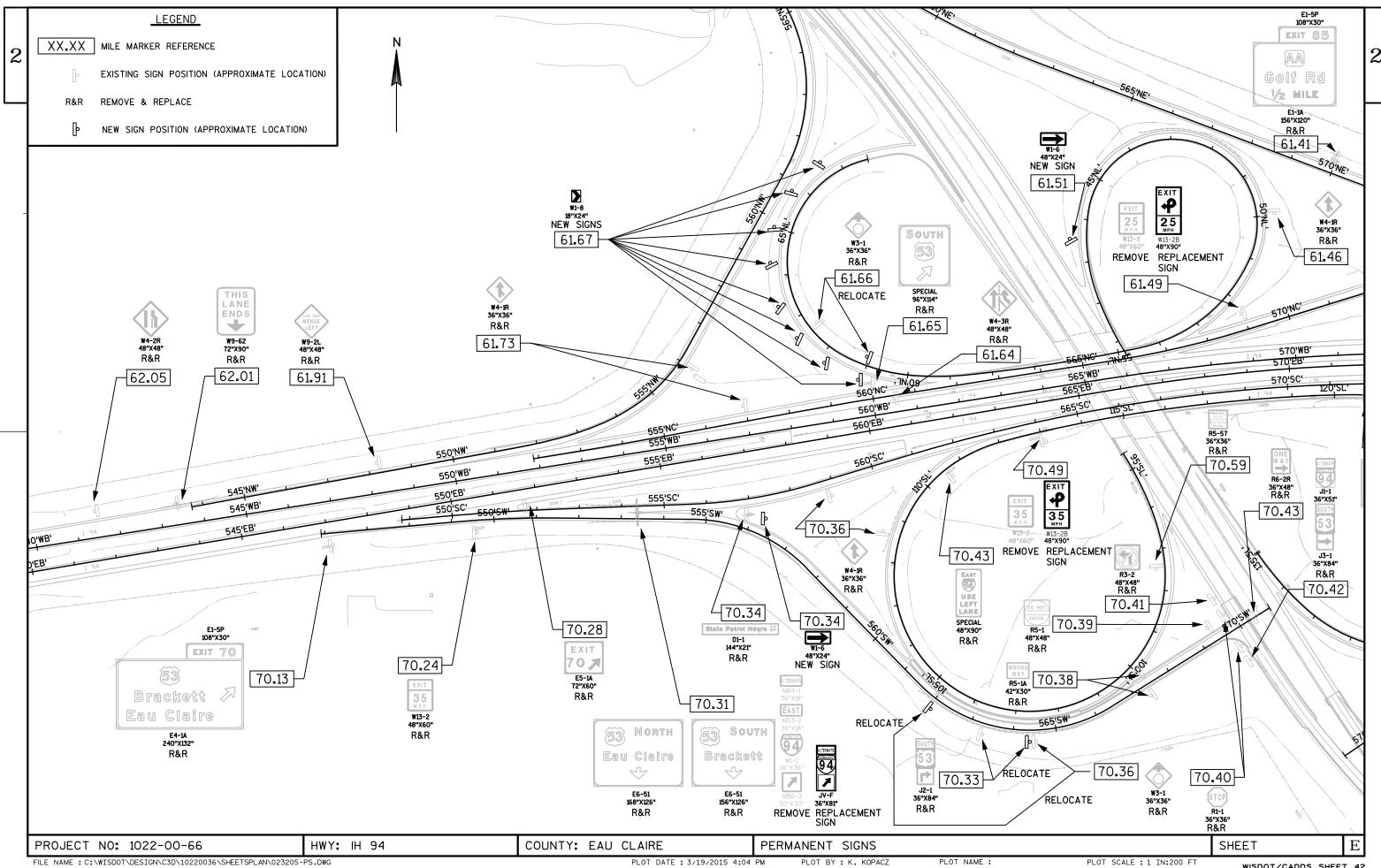
NEAR BEAMGUARD ENERGY ABSORBING TERMINAL (E.A.T.)

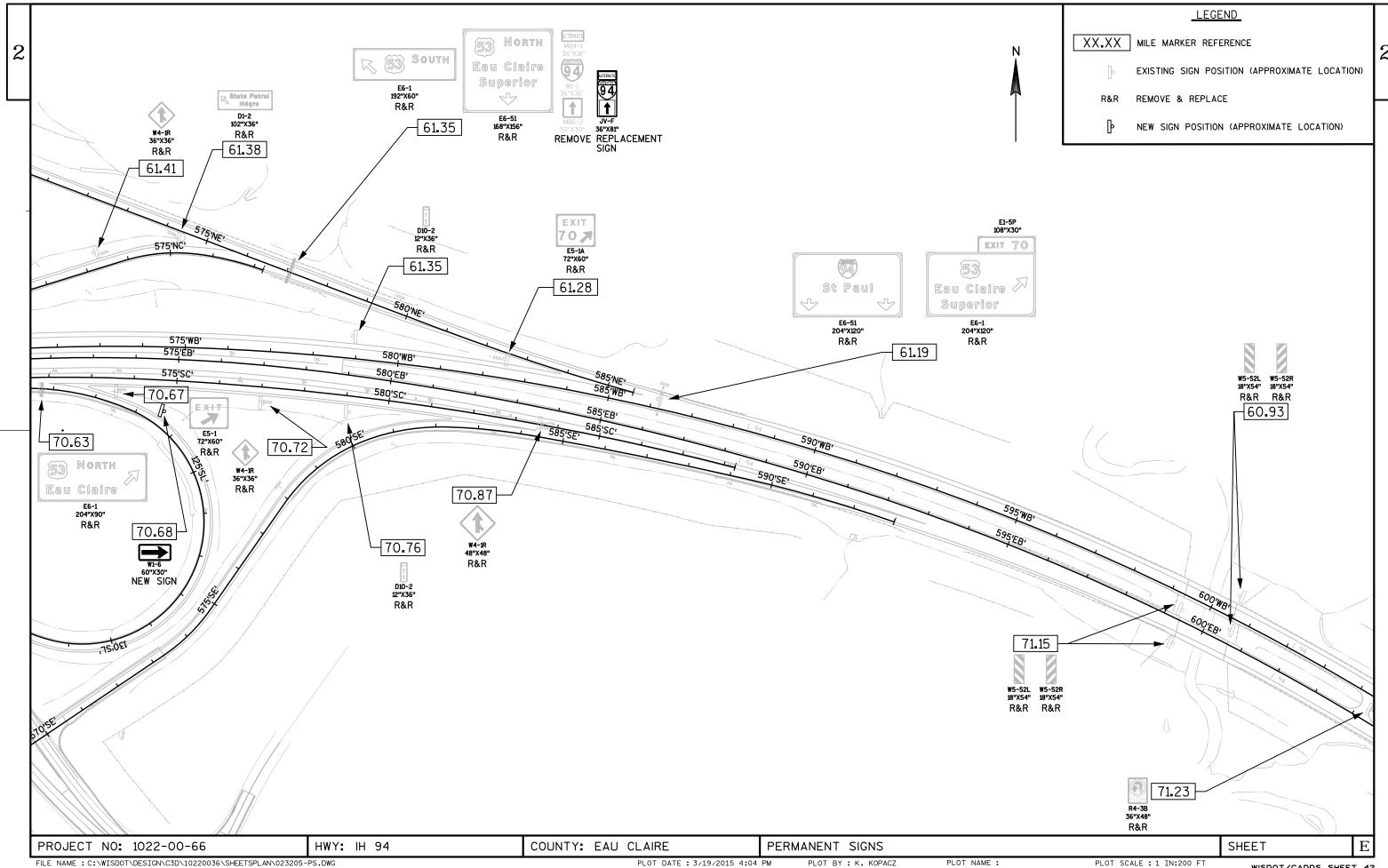
PROJECT NO: 1022-00-66 HWY: IH 94 COUNTY: EAU CLAIRE DETAILS SHEET E

PLOT NAME :









FILE NAME : C:\WISDOT\DESIGN\C3D\10220036\SHEETSPLAN\023205-PS.DWG

STAGE 1 TRAFFIC

- NW LOOP, NE LOOP, AND N. COLLECTOR ROAD CLOSED TO TRAFFIC. TRAFFIC DETOURED TO USH 53 / GOLF RD. INTERCHANGE.
- USH 53 NB & SB LEFT LANE UNDER TEMP, INTERMITTENT CLOSURES,
- IH 94 EB & WB TEMP. SINGLE LANE CLOSURES PERMITTED DURING DESIGNATED WORKING HOURS (SEE SPECIAL PROVISIONS-PROSECUTION AND PROGRESS).

STAGE 1 CONSTRUCTION

- BRIDGE REPAINTING OVER N. COLLECTOR RD. BACK TO NORTH BRIDGE ABUTMENTS.
- PLACE TEMPORARY PAVEMENT MARKINGS ON N. COLLECTOR RD. CURVE (FOR STAGES 2 & 3 TRAFFIC).
- CONSTRUCT TEMPORARY INTERSECTIONS AT USH 53 MEDIAN & SE RAMP AND USH 53 MEDIAN & SW RAMP (FOR STAGES 3, 4, & 5 TRAFFIC).
- ROADWAY RESURFACING AND/OR REPAIRS AND ROADSIDE WORK IN AREAS UNDER PERMITTED CLOSURES OR WORK IN AREAS NOT IMPACTING TRAFFIC.

STAGE 2 TRAFFIC

- NW LOOP & NE LOOP CLOSED TO TRAFFIC. TRAFFIC DETOURED TO USH 53 / GOLF RD. INTERCHANGE.
- IH 94 WB RIGHT LANE & SHOULDER CLOSED. RIGHT LANE TRAFFIC DIVERTED TO N. COLLECTOR RD.
- USH 53 NB & SB LEFT LANES UNDER TEMP. INTERMITTENT CLOSURES.
- IH 94 EB TEMP. SINGLE LANE CLOSURES PERMITTED DURING DESIGNATED WORKING HOURS (SEE SPECIAL PROVISIONS-PROSECUTION AND PROGRESS).
- IH 94 WB TEMP. SINGLE LANE CLOSURES NOT PERMITTED DURING THIS STAGE.

STAGE 2 CONSTRUCTION

- BRIDGE REPAINTING OVER IH 94 WB RIGHT LANE & SHOULDER.
- CONSTRUCT TEMPORARY INTERSECTIONS AT USH 53 MEDIAN & SE RAMP AND USH 53 MEDIAN & SW RAMP (FOR STAGES 3, 4, & 5 TRAFFIC).
- ROADWAY RESURFACING AND/OR REPAIRS AND ROADSIDE WORK IN AREAS UNDER PERMITTED CLOSURES OR WORK IN AREAS NOT IMPACTING TRAFFIC.

STAGE 3 TRAFFIC***

- NW LOOP & NE LOOP CLOSED TO TRAFFIC. TRAFFIC DETOURED TO USH 53 / GOLF RD. INTERCHANGE.
- SW LOOP & SE LOOP CLOSED TO TRAFFIC. TRAFFIC REPOUTED TO USH 53 / SW RAMP AND USH 53 / SE RAMP TEMP, INTERSECTIONS.
- IH 94 WB & EB LEFT LANE & SHOULDER CLOSED. RIGHT LANE TRAFFIC DIVERTED TO N. COLLECTOR RD. & S. COLLECTOR RD.
- USH 53 NB & SB LEFT LANE CLOSED TO TRAFFIC.
- IH 94 WB & EB TEMP. SINGLE LANE CLOSURES NOT PERMITTED DURING THIS STAGE.
- *** PRIOR TO THIS STAGE, IH 94 OUTSIDE SHOULDERS MUST BE REPAVED AND/OR REPAIRED TO CARRY STAGE 3 TRAFFIC.

STAGE 3 CONSTRUCTION

- BRIDGE REPAINTING OVER IH 94 WB & EB LEFT LANE & SHOULDER AND IH 94 MEDIAN.
- ROADWAY RESURFACING AND/OR REPAIRS AND ROADSIDE WORK IN AREAS UNDER PERMITTED CLOSURES OR WORK IN AREAS NOT IMPACTING TRAFFIC.

STAGE 4 TRAFFIC

- SW LOOP & SE LOOP CLOSED TO TRAFFIC. TRAFFIC REROUTED TO USH 53 / SW RAMP AND USH 53 / SE RAMP TEMP. INTERSECTIONS.
- IH 94 EB RIGHT LANE & SHOULDER CLOSED. RIGHT LANE TRAFFIC DIVERTED TO S. COLLECTOR RD.
- USH 53 NR & SRIFFT LANE CLOSED TO TRAFFIC.
- IH 94 WB TEMP, SINGLE LANE CLOSURES PERMITTED DURING DESIGNATED WORKING HOURS (SEE SPECIAL PROVISIONS-PROSECUTION AND PROGRESS).
- IH 94 EB TEMP. SINGLE LANE CLOSURES NOT PERMITTED DURING THIS STAGE.

STAGE 4 CONSTRUCTION

- BRIDGE REPAINTING OVER IH 94 EB RIGHT LANE & SHOULDER.
- ROADWAY RESURFACING AND/OR REPAIRS AND ROADSIDE WORK IN AREAS UNDER PERMITTED CLOSURES OR WORK IN AREAS NOT IMPACTING TRAFFIC.

STAGE 5 TRAFFIC

- SW LOOP, SE LOOP, AND S. COLLECTOR RD. CLOSED TO TRAFFIC. TRAFFIC REROUTED TO USH 53 / SW RAMP AND USH 53 / SE RAMP TEMP. INTERSECTIONS.
- USH 53 NB & SB LEFT LANE CLOSED TO TRAFFIC.
- IH 94 EB & WB TEMP. SINGLE LANE CLOSURES PERMITTED DURING DESIGNATED WORKING HOURS (SEE SPECIAL PROVISIONS-PROSECUTION AND PROGRESS). STAGE 5 CONSTRUCTION
- BRIDGE REPAINTING OVER S. COLLECTOR RD. BACK TO SOUTH BRIDGE ABUTMENTS.
- ROADWAY RESURFACING AND/OR REPAIRS AND ROADSIDE WORK IN AREAS UNDER PERMITTED CLOSURES OR WORK IN AREAS NOT IMPACTING TRAFFIC.

FILE NAME : C:\WISDOT\DESIGN\C3D\10220036\SHEETSPLAN\025000-TCSUMMARY.DWG

PROJECT NO: 1022-00-66 & 1022-00-80

COUNTY: EAU CLAIRE

TRAFFIC CONTROL - STAGING SUMMARY

PLOT SCALE : 1 IN:1000 FT

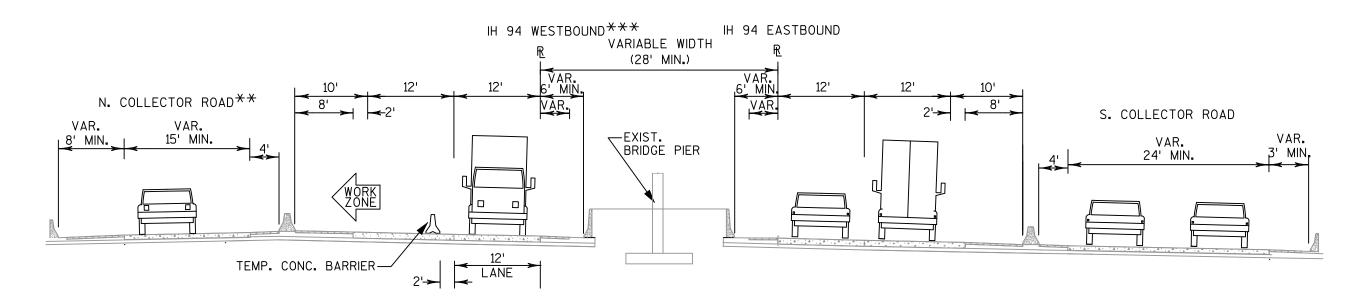
SHFFT

HWY: IH 94

IH 94 TRAFFIC CONTROL FOR OVERHEAD STRUCTURE REPAINTING (STAGE 1)

* NORTH COLLECTOR ROAD CLOSED TO PERFORM STRUCTURE REPAINTING. TRAFFIC TO BE DETOURED VIA GOLF ROAD INTERCHANGE. SEE ADDITIONAL DETAILS.

STAGE 1 NOTES: TEMPORARY SINGLE LANE CLOSURES AND/OR SHOULDER CLOSURES ON EASTBOUND OR WESTBOUND IH 94 ARE PERMITTED DURING DESIGNATED WORKING HOURS AS LISTED IN THE SPECIAL PROVISIONS.



IH 94 TRAFFIC CONTROL FOR OVERHEAD STRUCTURE REPAINTING (STAGE 2)

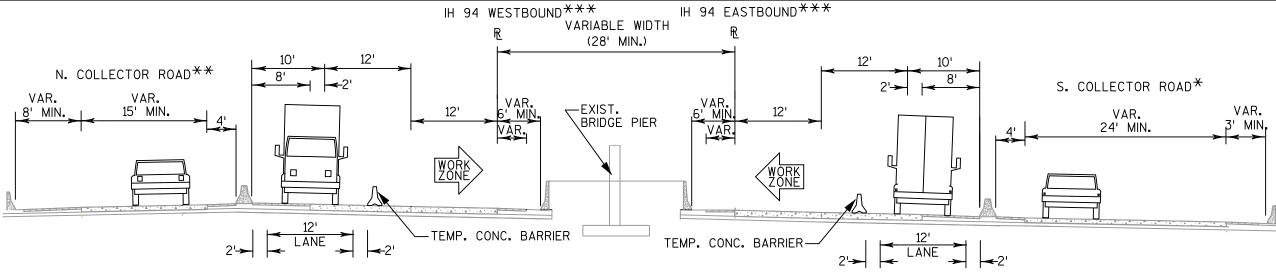
- ** NORTH LOOP RAMPS CLOSED TO AND FROM NORTH COLLECTOR ROAD. TRAFFIC TO BE DETOURED VIA GOLF ROAD INTERCHANGE. SEE ADDITIONAL DETAILS.
- *** MAINTAIN TWO THROUGH LANES OF IH 94 WESTBOUND TRAFFIC BY DIVERTING ONE OF THE LANES TO NORTH COLLECTOR ROAD. SEE ADDITIONAL DETAILS.

STAGE 2 NOTES: TEMPORARY SINGLE LANE CLOSURES AND/OR SHOULDER CLOSURES ON EASTBOUND IH 94 ARE PERMITTED DURING DESIGNATED WORKING HOURS AS LISTED IN THE SPECIAL PROVISIONS.

TEMPORARY SINGLE LANE CLOSURES ON WESTBOUND IH 94 ARE NOT PERMITTED THIS STAGE.

EXISTING STRUCTURES HAVE HAUNCHED GIRDERS ABOVE MEDIAN SHOULDERS. DO NOT SHIFT TRAFFIC ONTO MEDIAN SHOULDERS. MAINTAIN VERTICAL CLEARANCE TO TRAFFIC.

PROJECT NO: 1022-00-66/1022-00-80 HWY: IH 94 COUNTY: EAU CLAIRE DETAIL - TRAFFIC CONTROL STRUCTURE REPAINTING SHEET E



IH 94 TRAFFIC CONTROL FOR OVERHEAD STRUCTURE REPAINTING (STAGE 3)

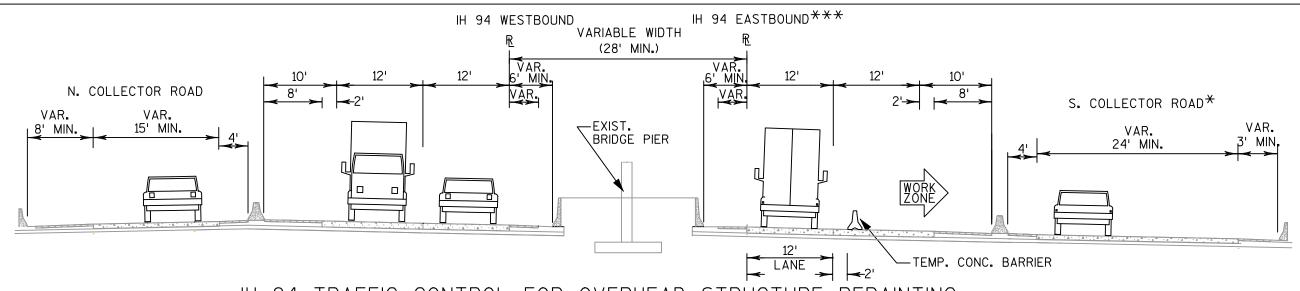
* SOUTH LOOP RAMPS CLOSED TO AND FROM SOUTH COLLECTOR ROAD. TRAFFIC TO BE REROUTED VIA SW & SE RAMPS. SEE ADDITIONAL DETAILS.

** NORTH LOOP RAMPS CLOSED TO AND FROM NORTH COLLECTOR ROAD. TRAFFIC TO BE DETOURED VIA GOLF ROAD INTERCHANGE. SEE ADDITIONAL DETAILS.

*** MAINTAIN TWO THROUGH LANES OF IH 94 WESTBOUND AND EASTBOUND TRAFFIC BY DIVERTING ONE OF THE LANES TO NORTH AND SOUTH COLLECTOR ROADS. SEE ADDITIONAL DETAILS.

STAGE 3 NOTES: TEMPORARY SINGLE LANE CLOSURES ON WESTBOUND AND EASTBOUND IH 94 ARE NOT PERMITTED THIS STAGE.

PRIOR TO THIS STAGE, IH 94 OUTSIDE SHOULDERS MUST BE REPAVED AND/OR REPAIRED TO CARRY STAGE 3 TRAFFIC.



IH 94 TRAFFIC CONTROL FOR OVERHEAD STRUCTURE REPAINTING (STAGE 4)

* SOUTH LOOP RAMPS CLOSED TO AND FROM SOUTH COLLECTOR ROAD. TRAFFIC TO BE REROUTED VIA SW & SE RAMPS. SEE ADDITIONAL DETAILS.

*** MAINTAIN TWO THROUGH LANES OF IH 94 EASTBOUND TRAFFIC BY DIVERTING ONE OF THE LANES TO SOUTH COLLECTOR ROAD. SEE ADDITIONAL DETAILS.

STAGE 4 NOTES: TEMPORARY SINGLE LANE CLOSURES AND/OR SHOULDER CLOSURES ON WESTBOUND IH 94 ARE PERMITTED DURING DESIGNATED WORKING HOURS AS LISTED IN THE SPECIAL PROVISIONS. TEMPORARY SINGLE LANE CLOSURES ON EASTBOUND IH 94 ARE NOT PERMITTED THIS STAGE.

EXISTING STRUCTURES HAVE HAUNCHED GIRDERS ABOVE MEDIAN SHOULDERS. DO NOT SHIFT TRAFFIC ONTO MEDIAN SHOULDERS. MAINTAIN VERTICAL CLEARANCE TO TRAFFIC.

PROJECT NO: 1022-00-66/1022-00-80

HWY: IH 94

COUNTY: EAU CLAIRE

DETAIL - TRAFFIC CONTROL STRUCTURE REPAINTING

PLOT NAME :

PLOT SCALE: 1 IN:1000 FT

WISDOT/CADDS SHEET 42

SHEET

IH 94 TRAFFIC CONTROL FOR OVERHEAD STRUCTURE REPAINTING (STAGE 5)

* SOUTH COLLECTOR ROAD CLOSED TO PERFORM STRUCTURE REPAINTING. TRAFFIC TO BE REROUTED VIA SW & SE RAMPS. SEE ADDITIONAL DETAILS.

STAGE 5 NOTES: TEMPORARY SINGLE LANE CLOSURES AND/OR SHOULDER CLOSURES ON EASTBOUND OR WESTBOUND IH 94 ARE PERMITTED DURING DESIGNATED WORKING HOURS AS LISTED IN THE SPECIAL PROVISIONS.

PROJECT NO: 1022-00-66/1022-00-80

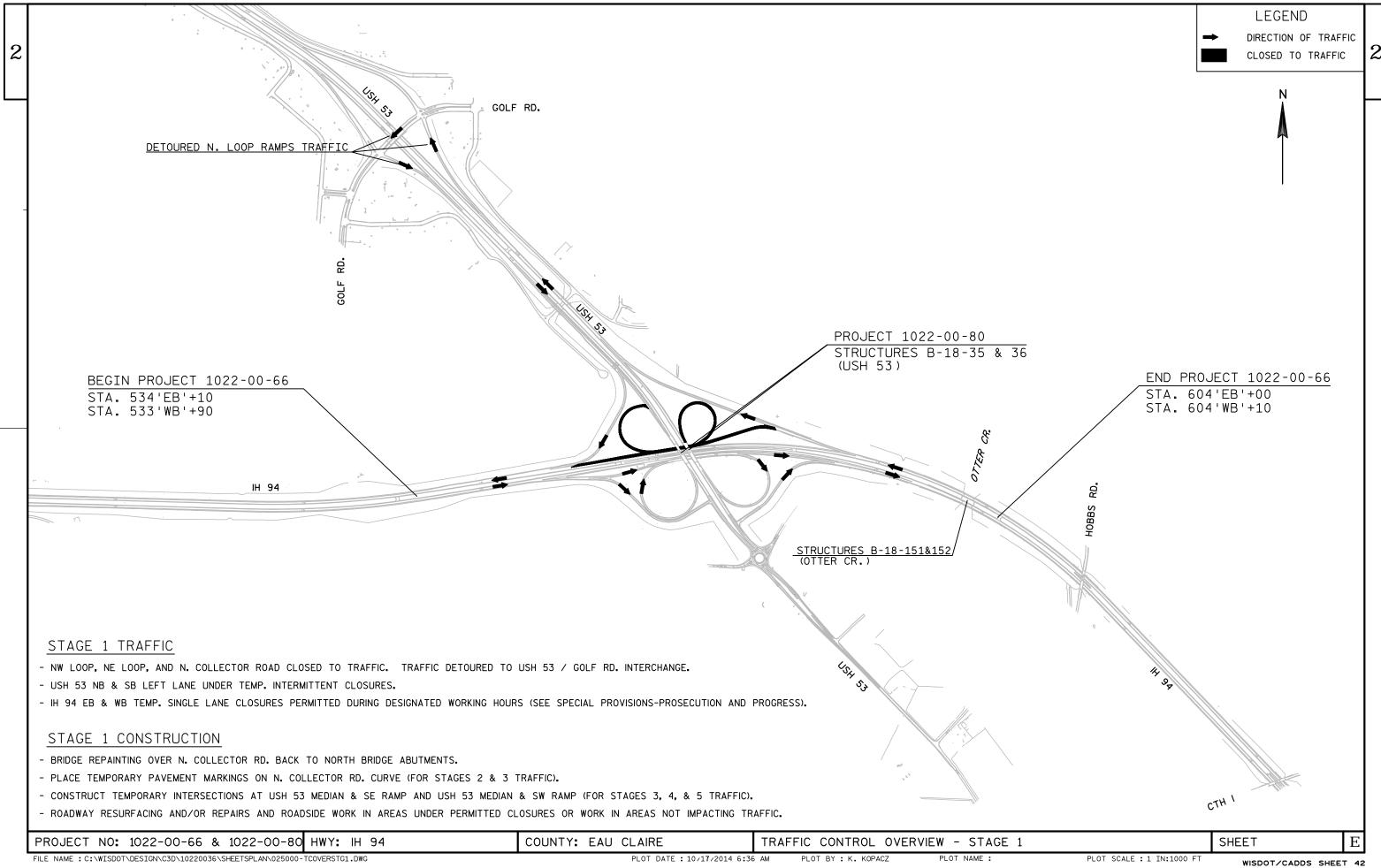
HWY: IH 94

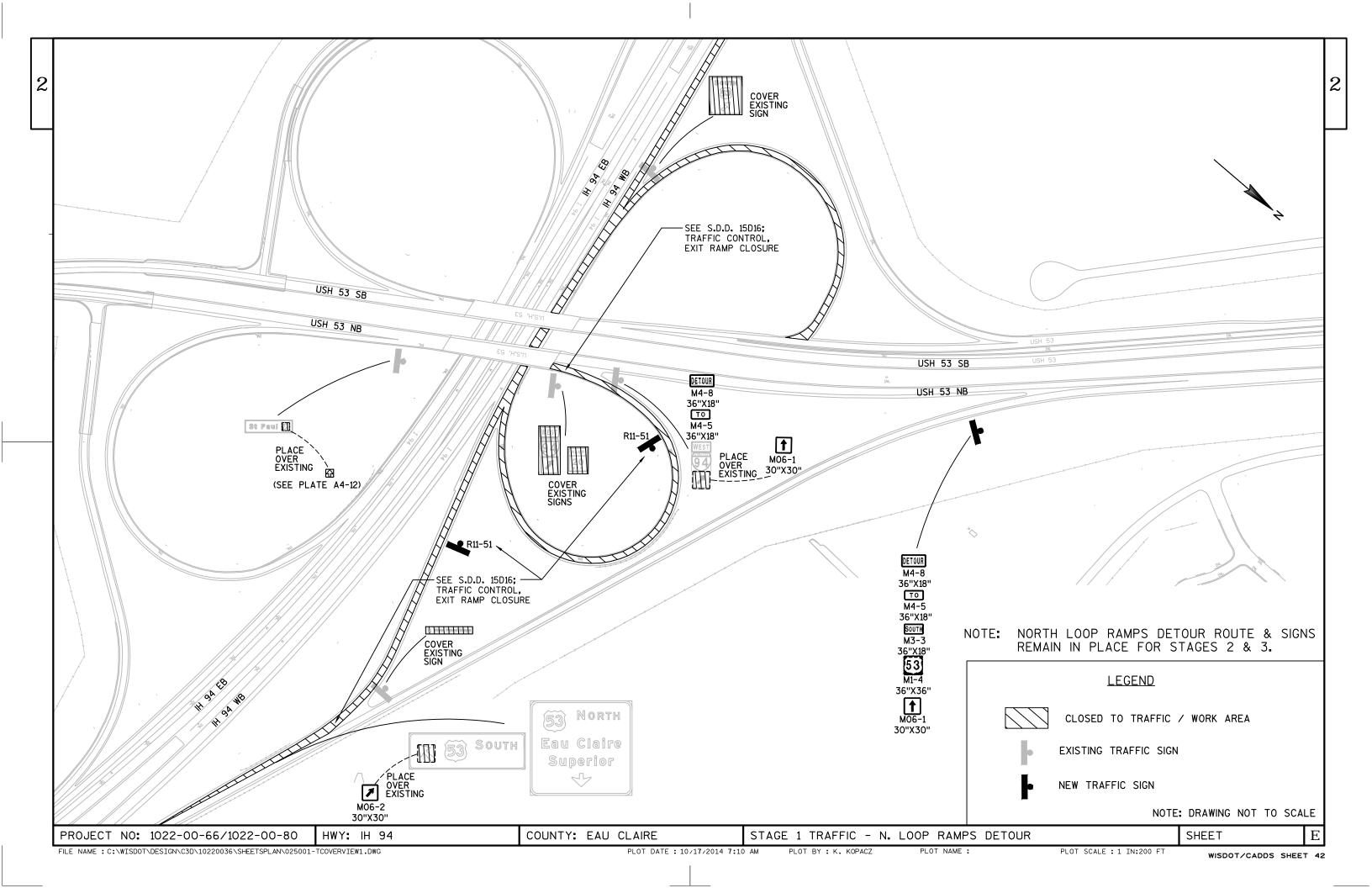
COUNTY: EAU CLAIRE

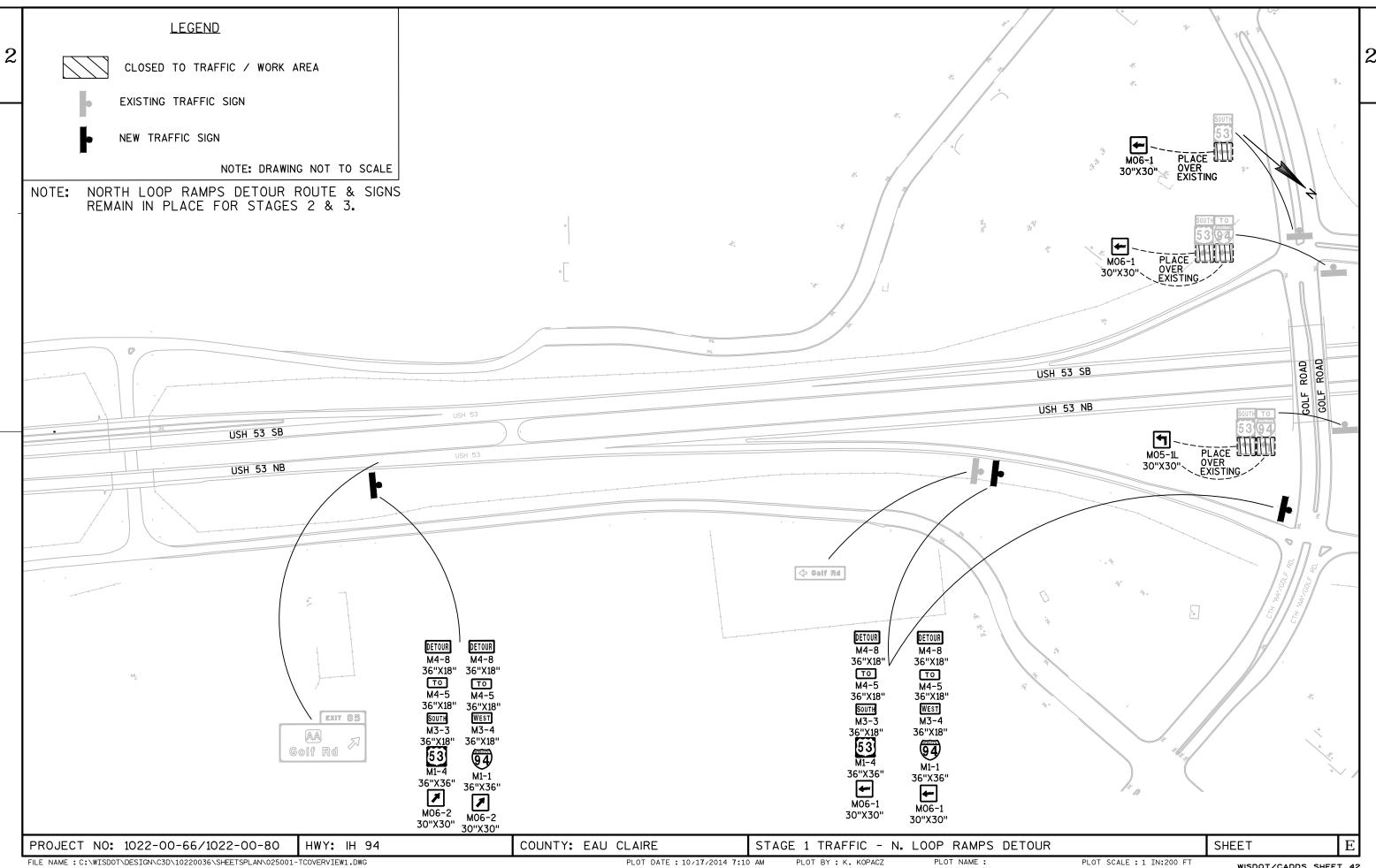
DETAIL - TRAFFIC CONTROL STRUCTURE REPAINTING

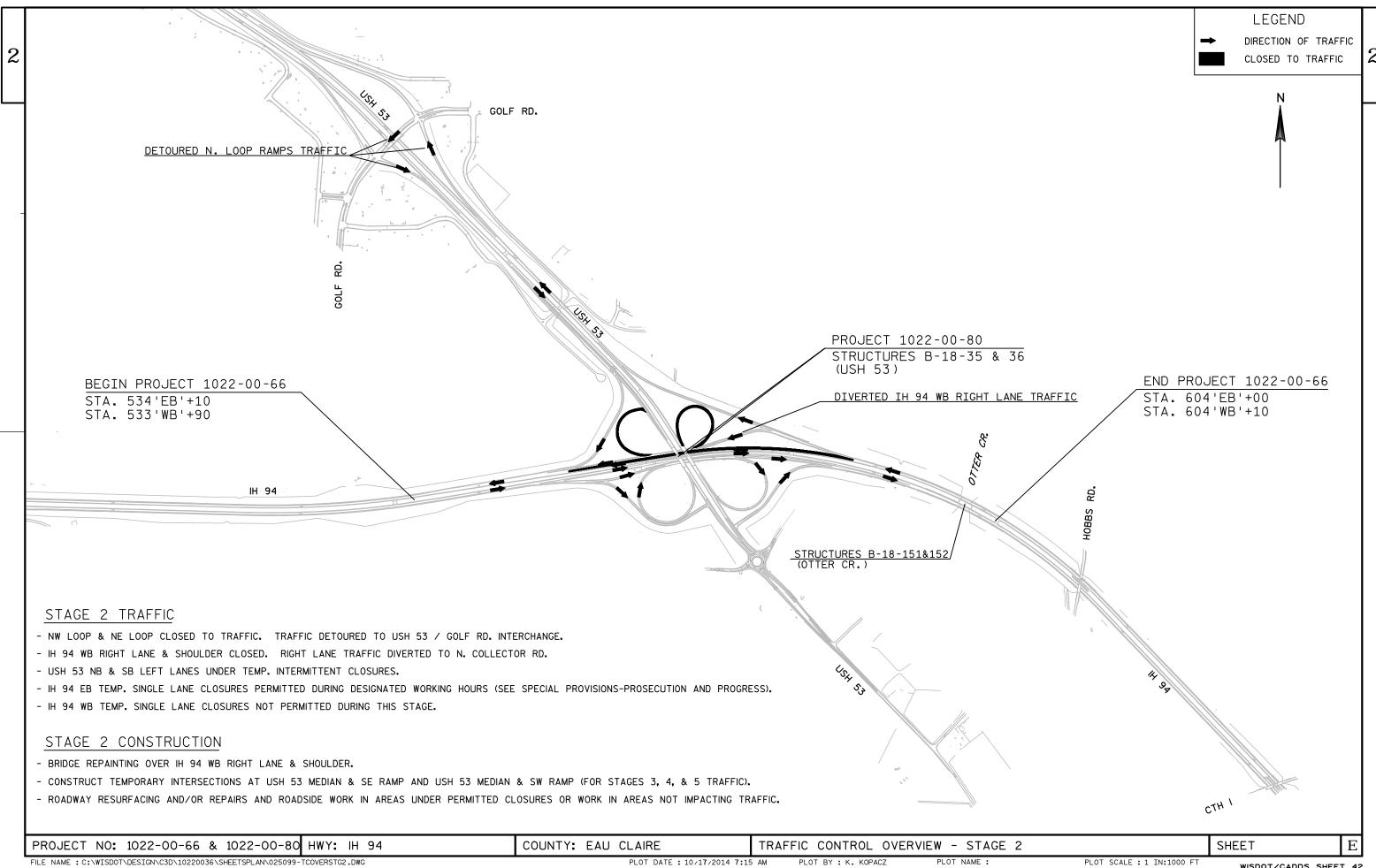
SHEET

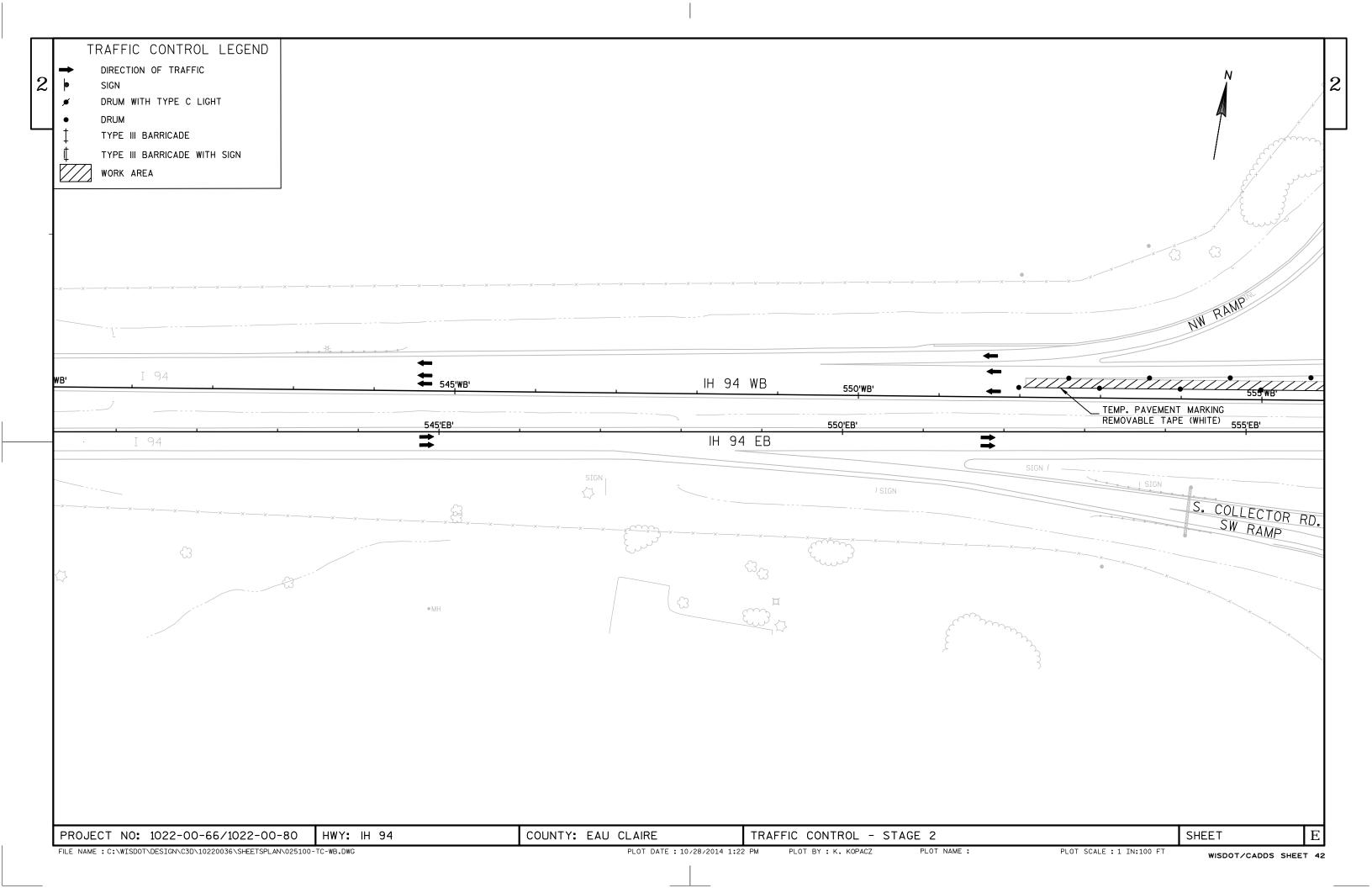
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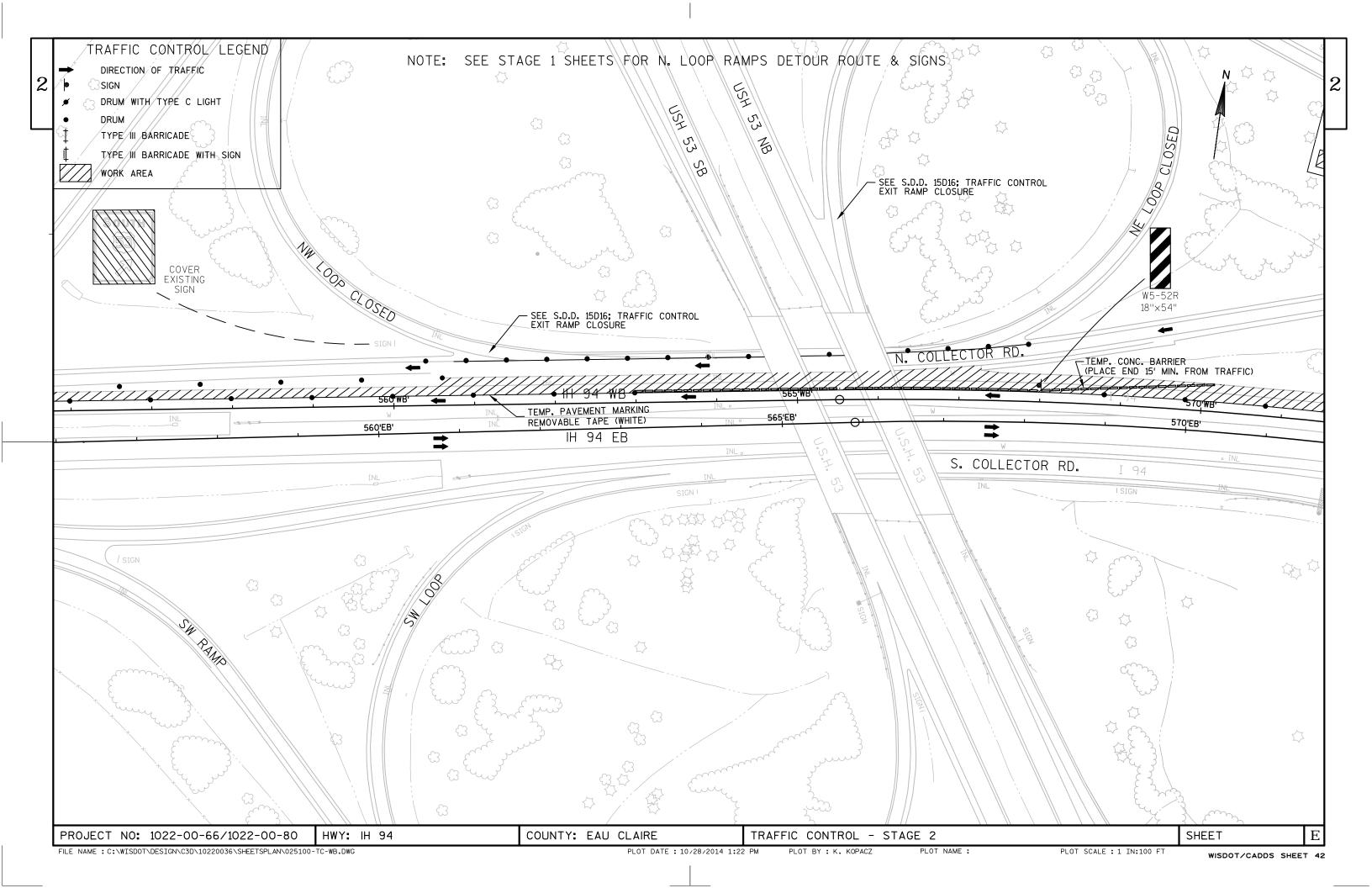


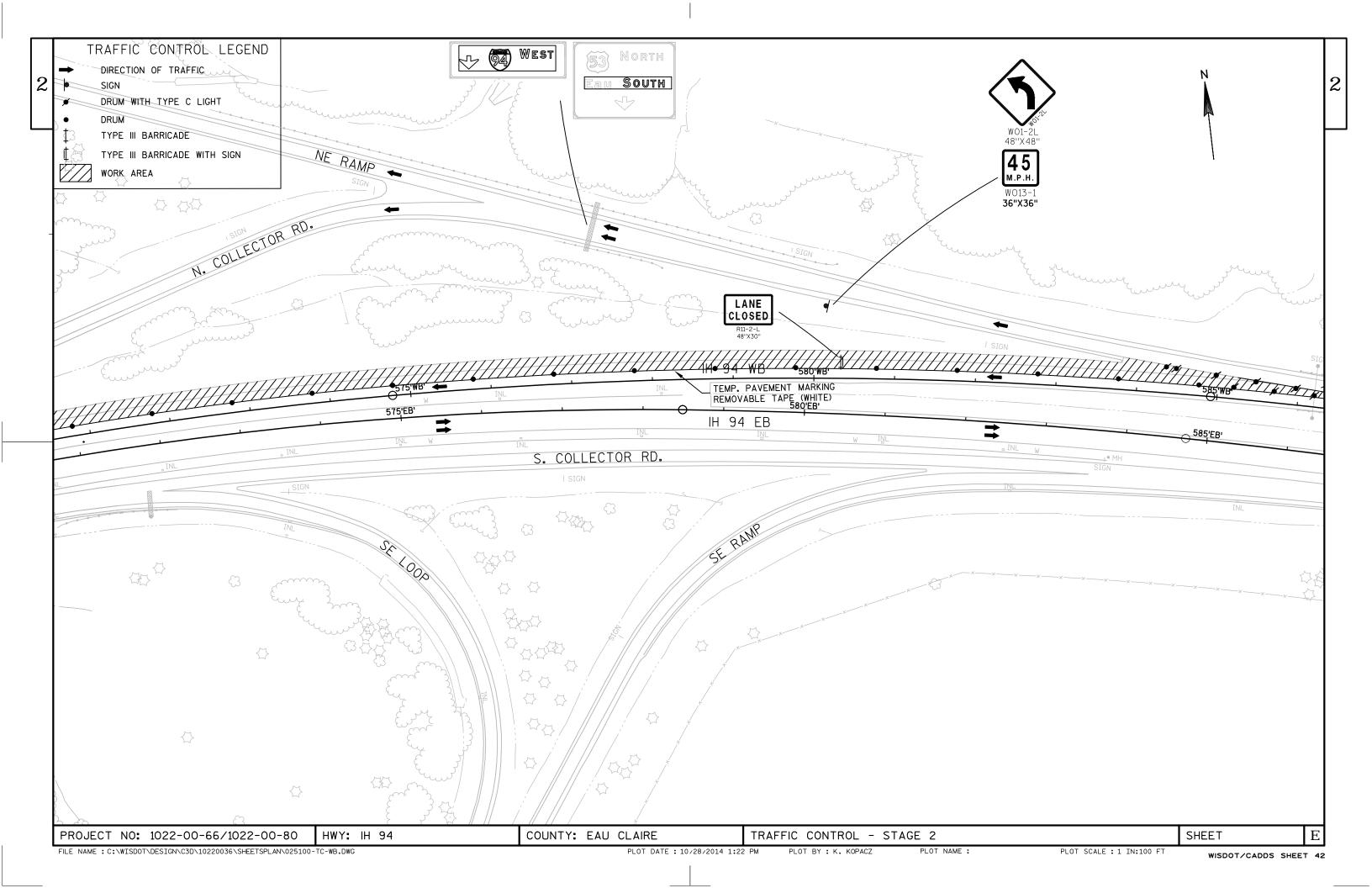


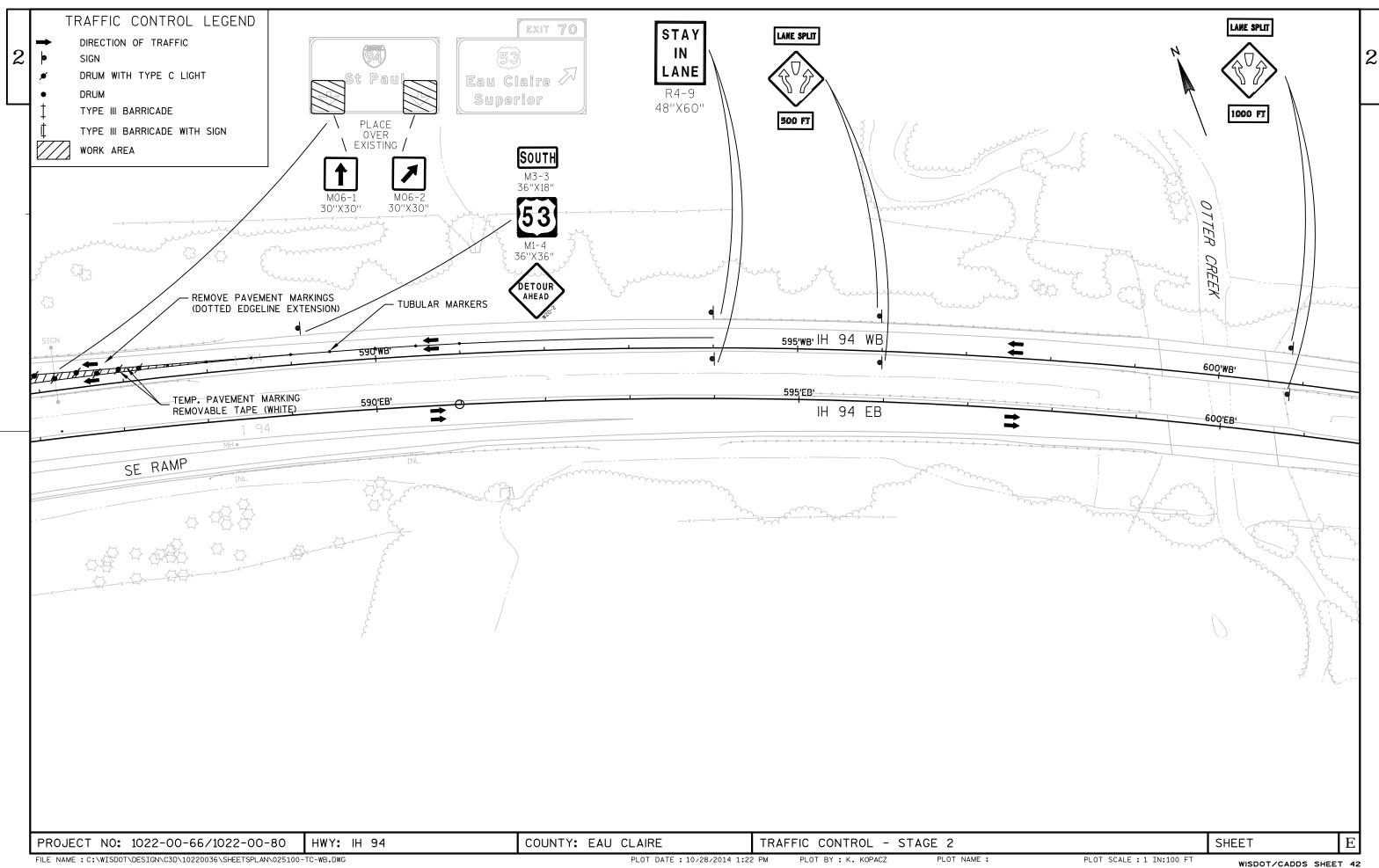


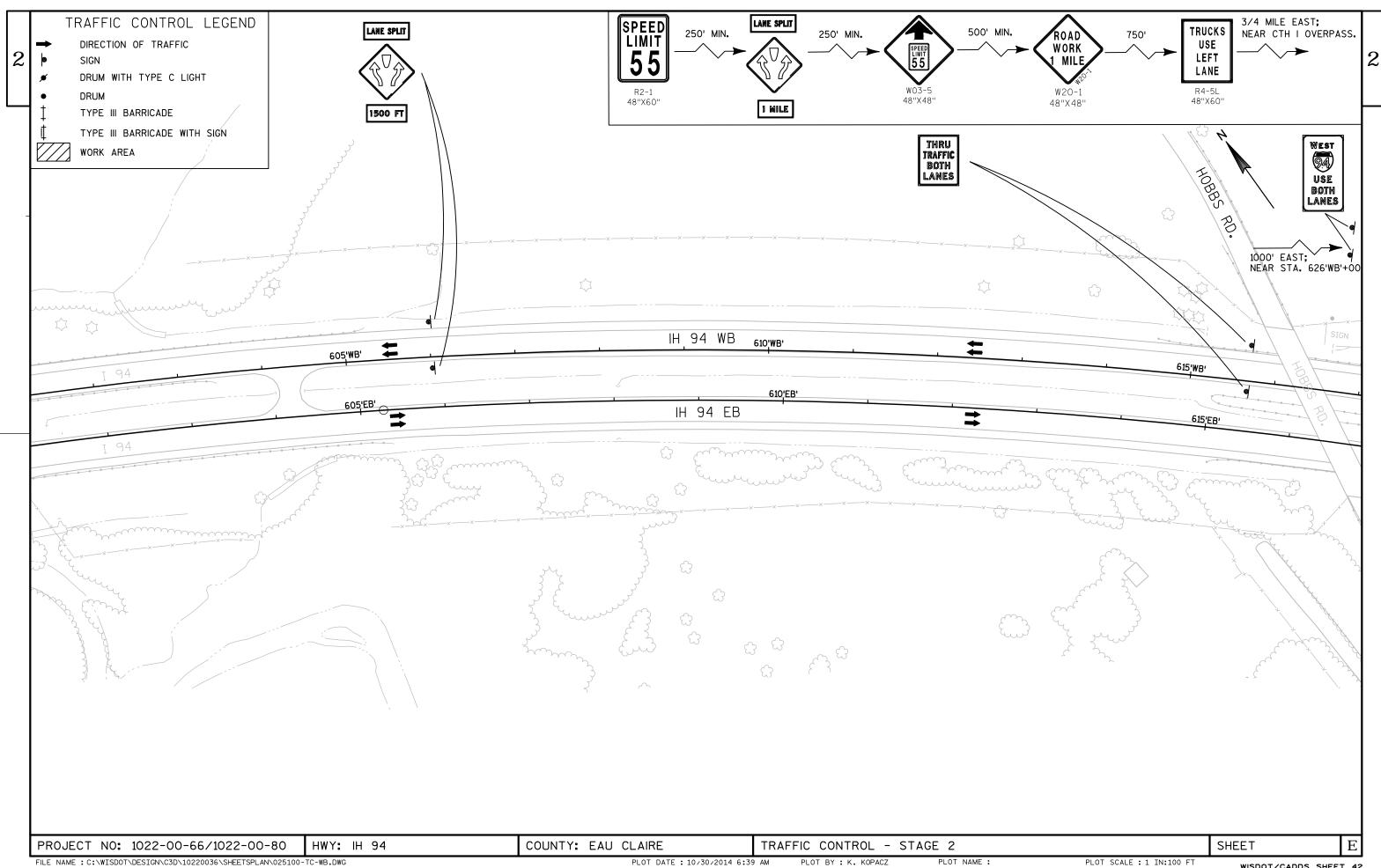


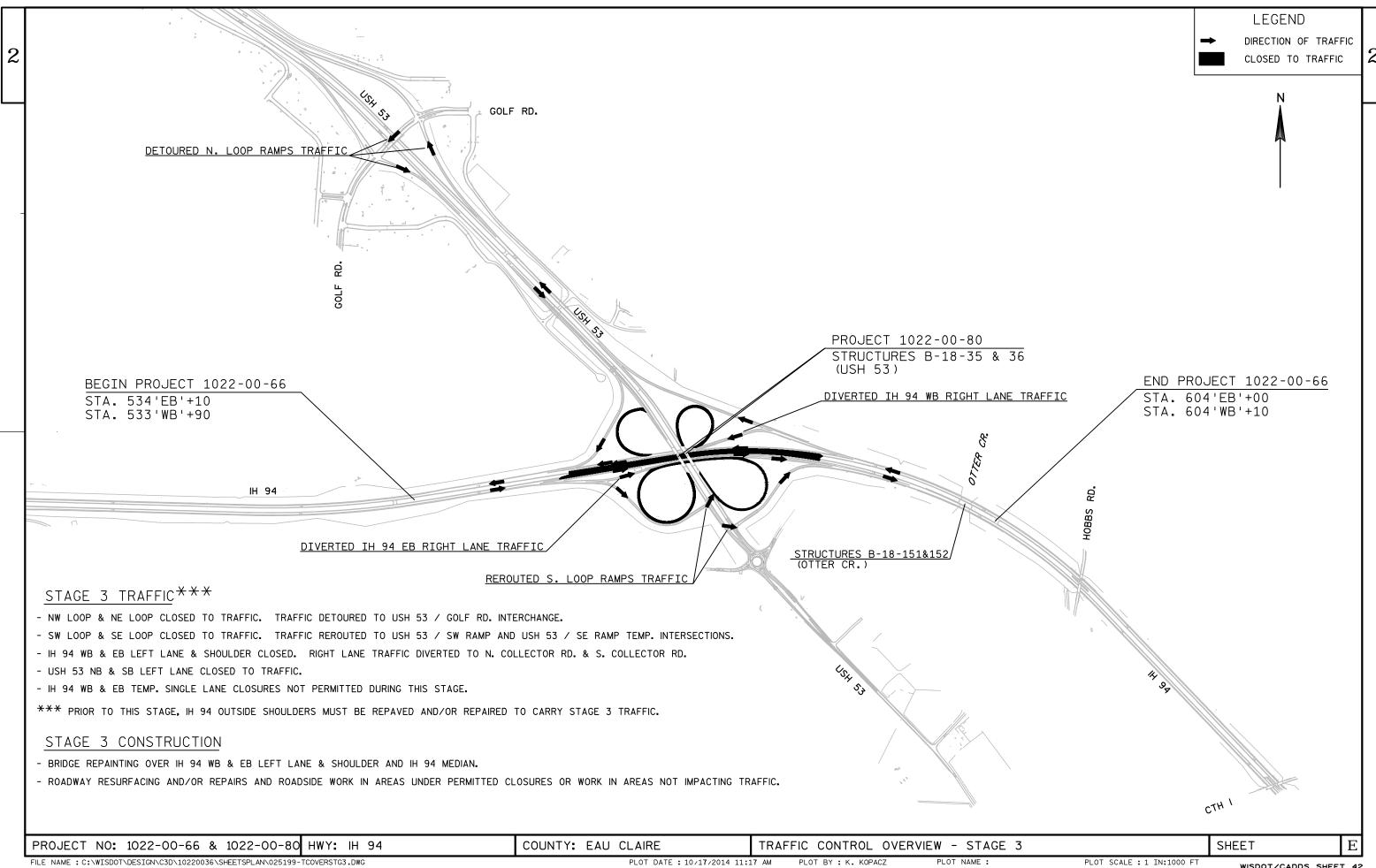


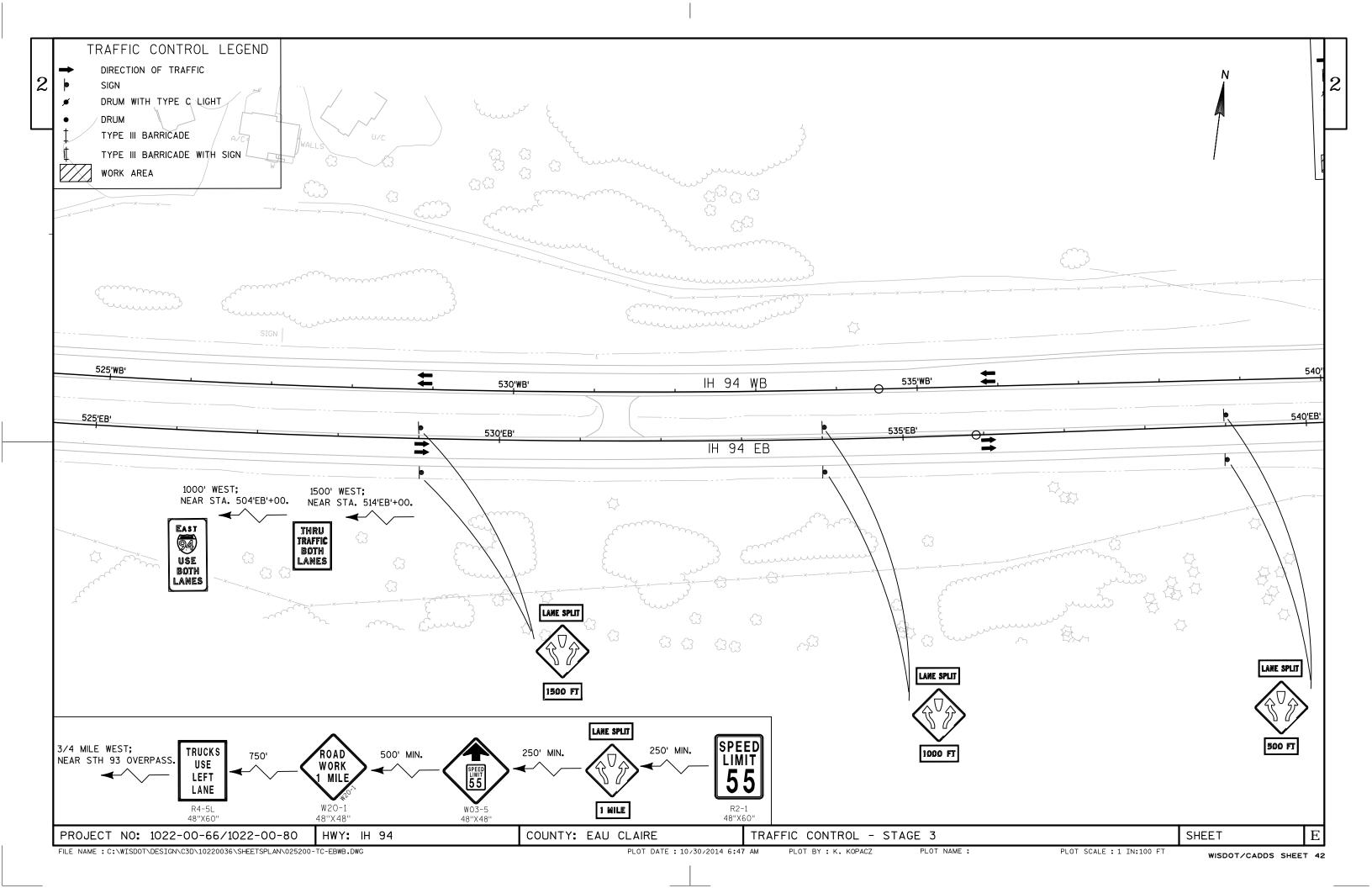


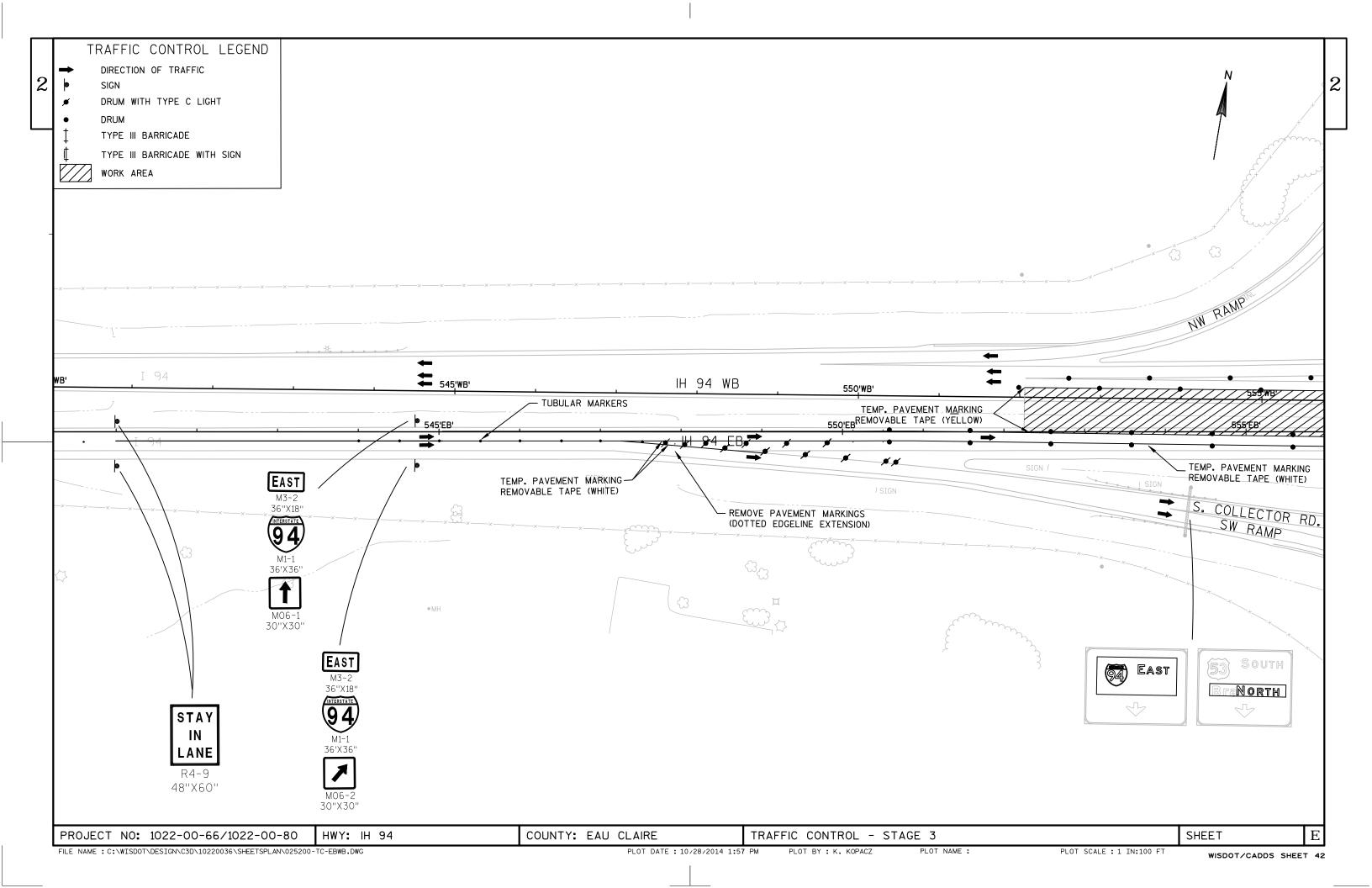


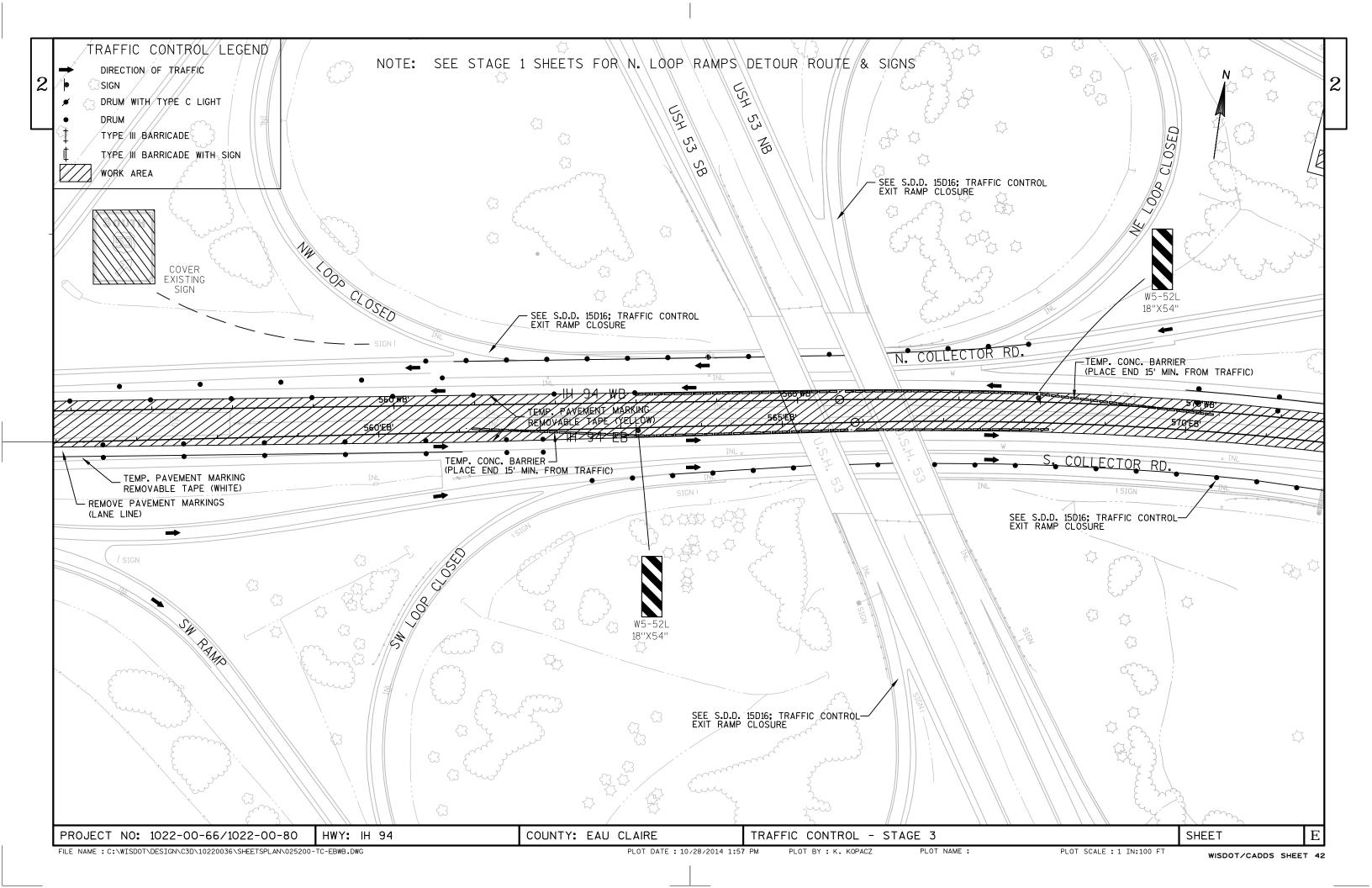


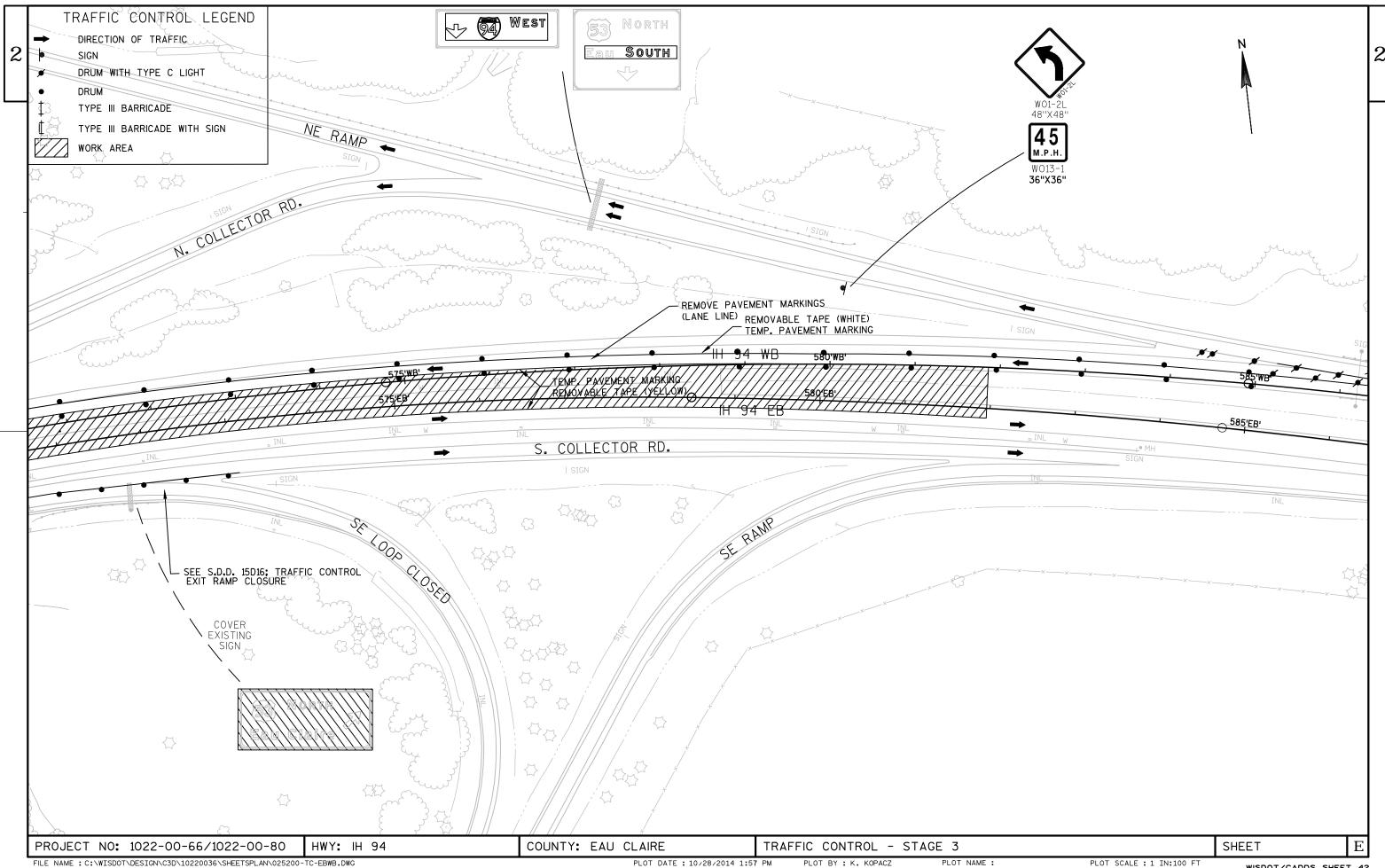




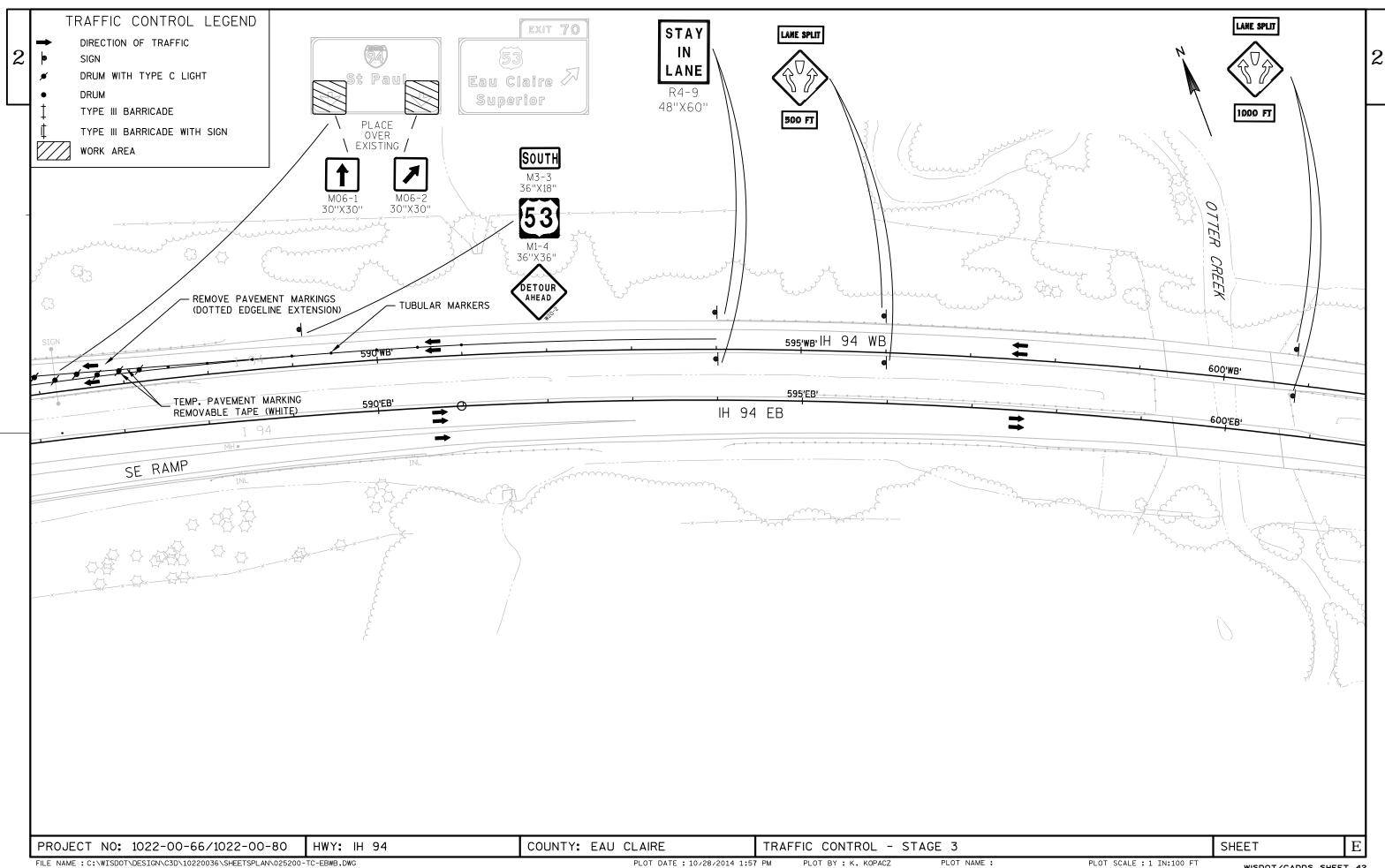


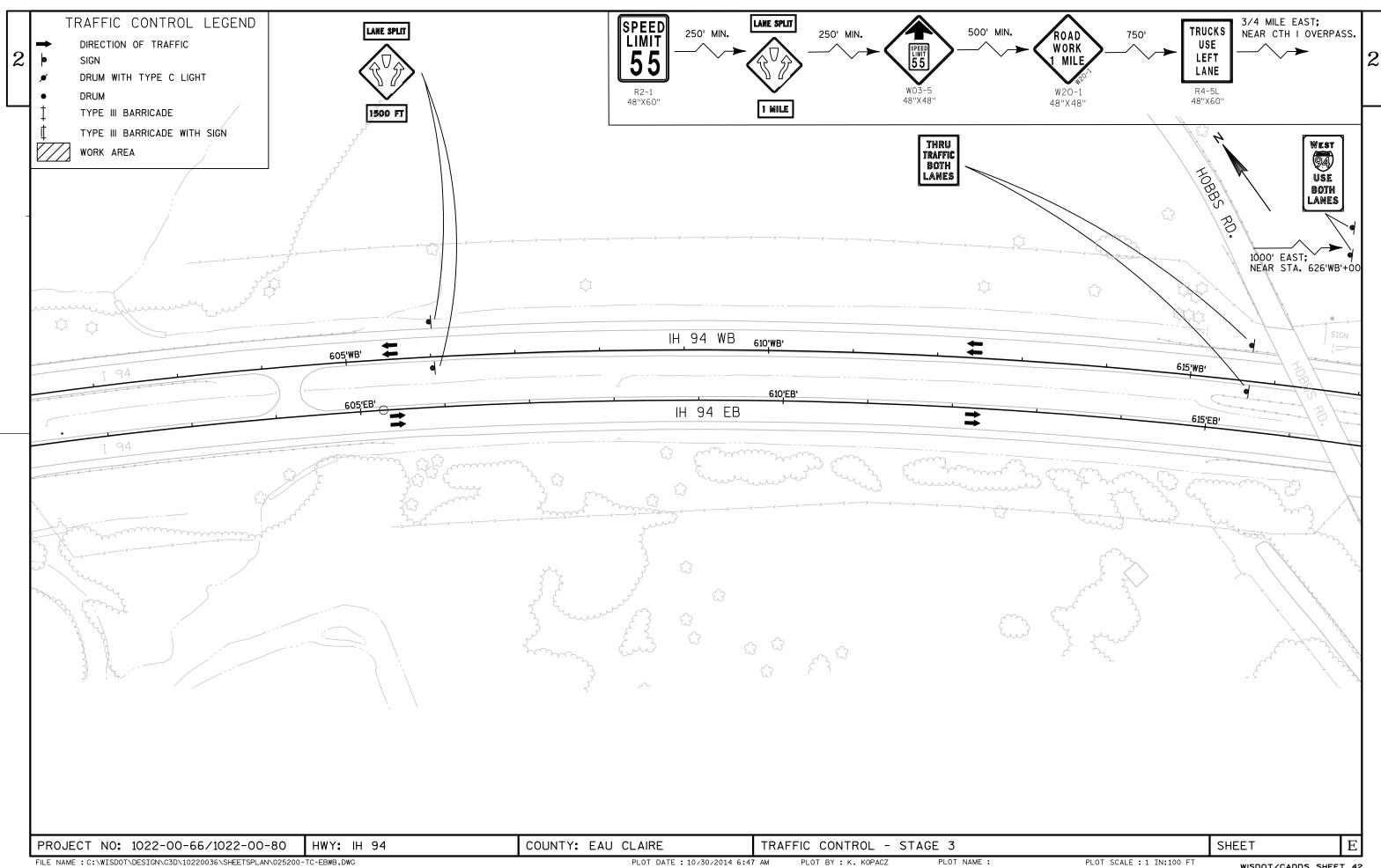


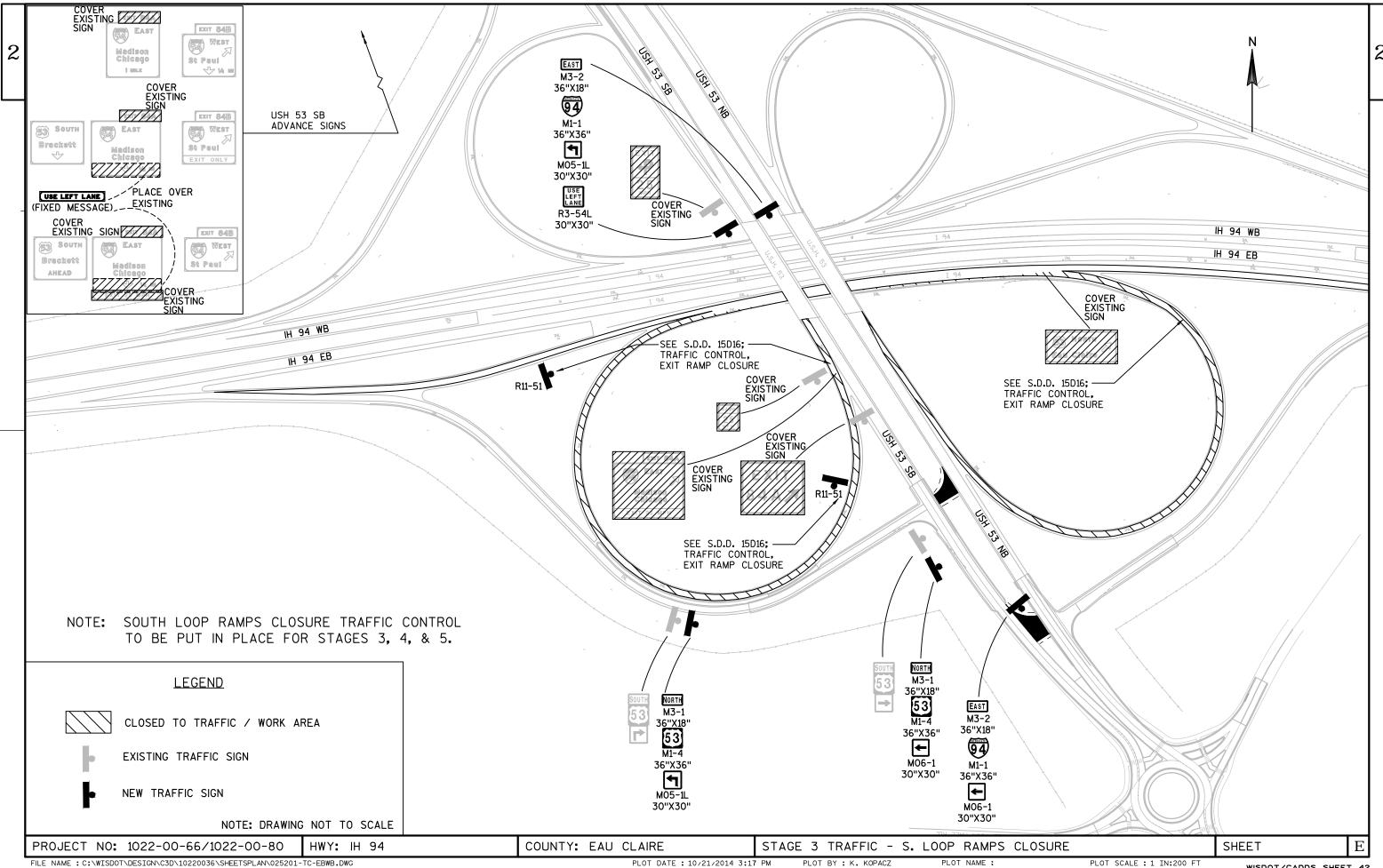


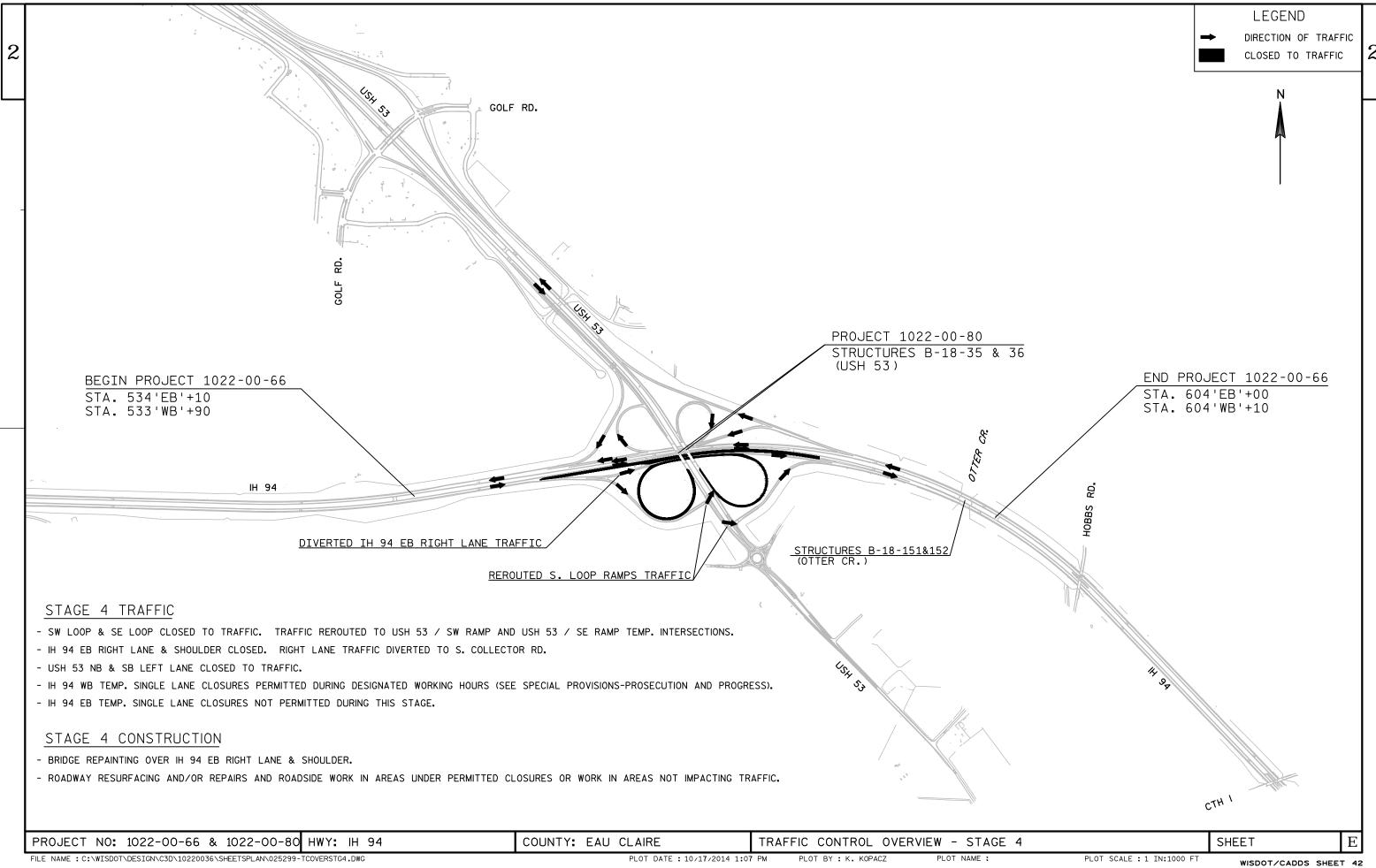


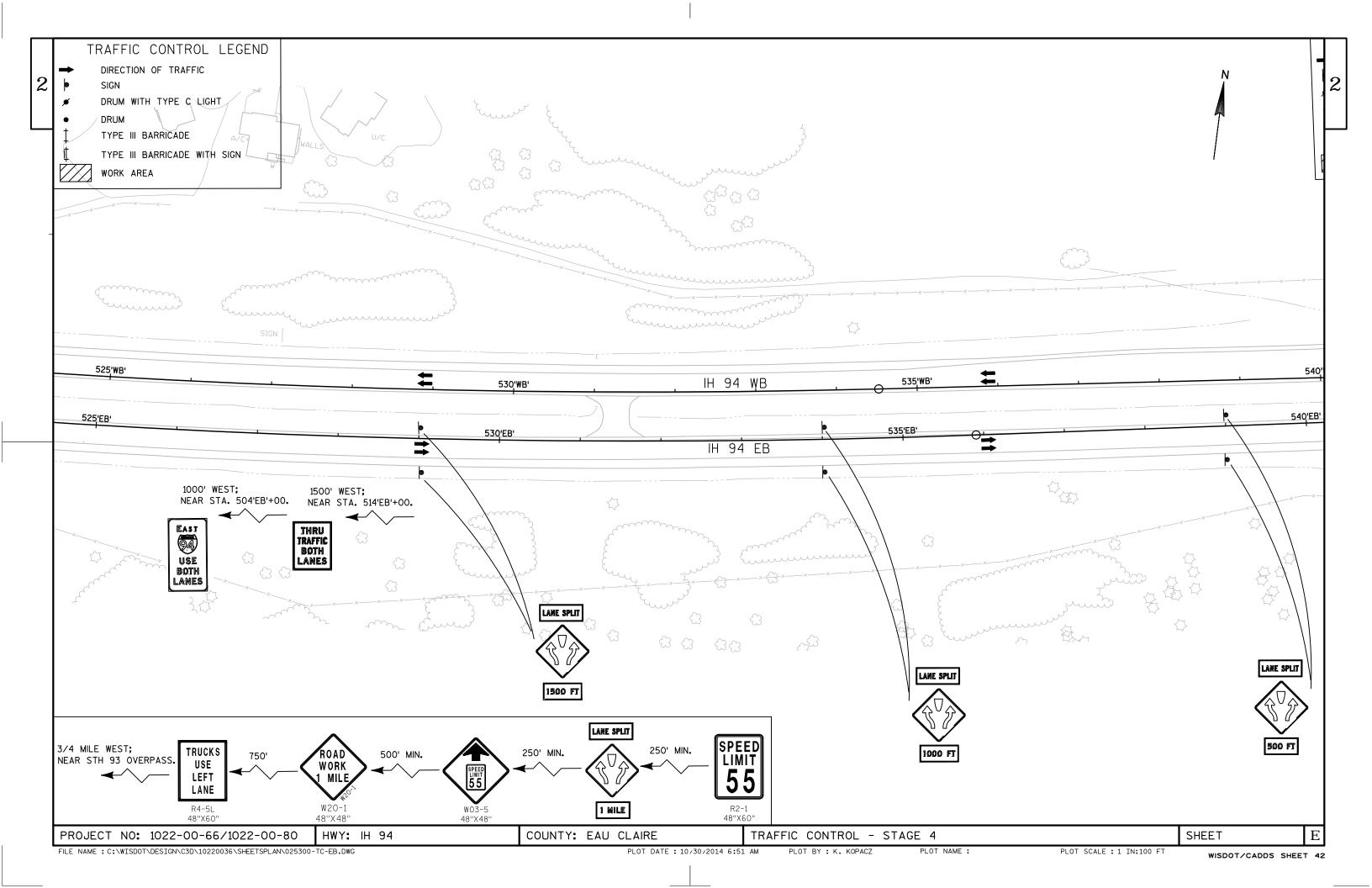
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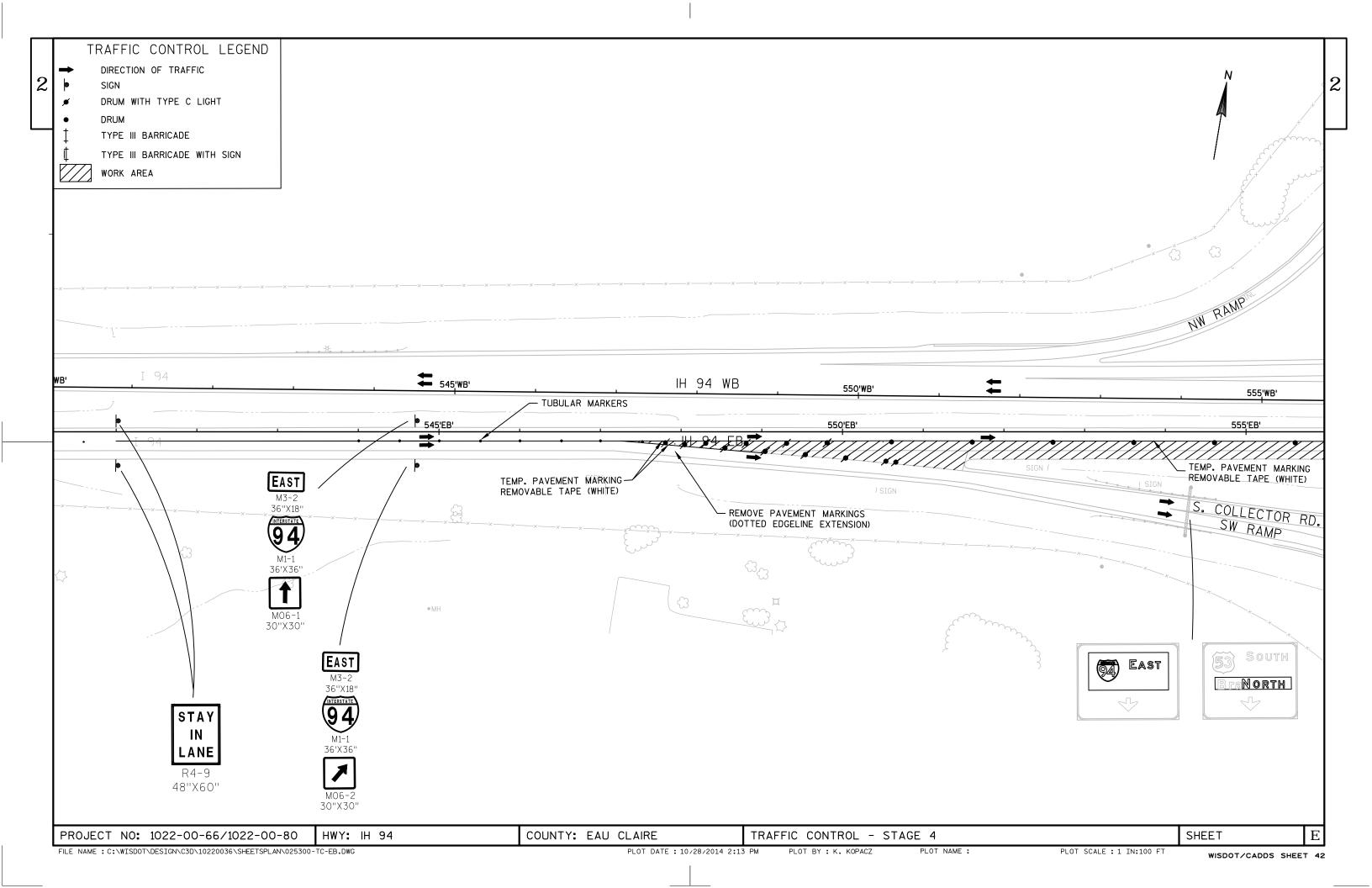


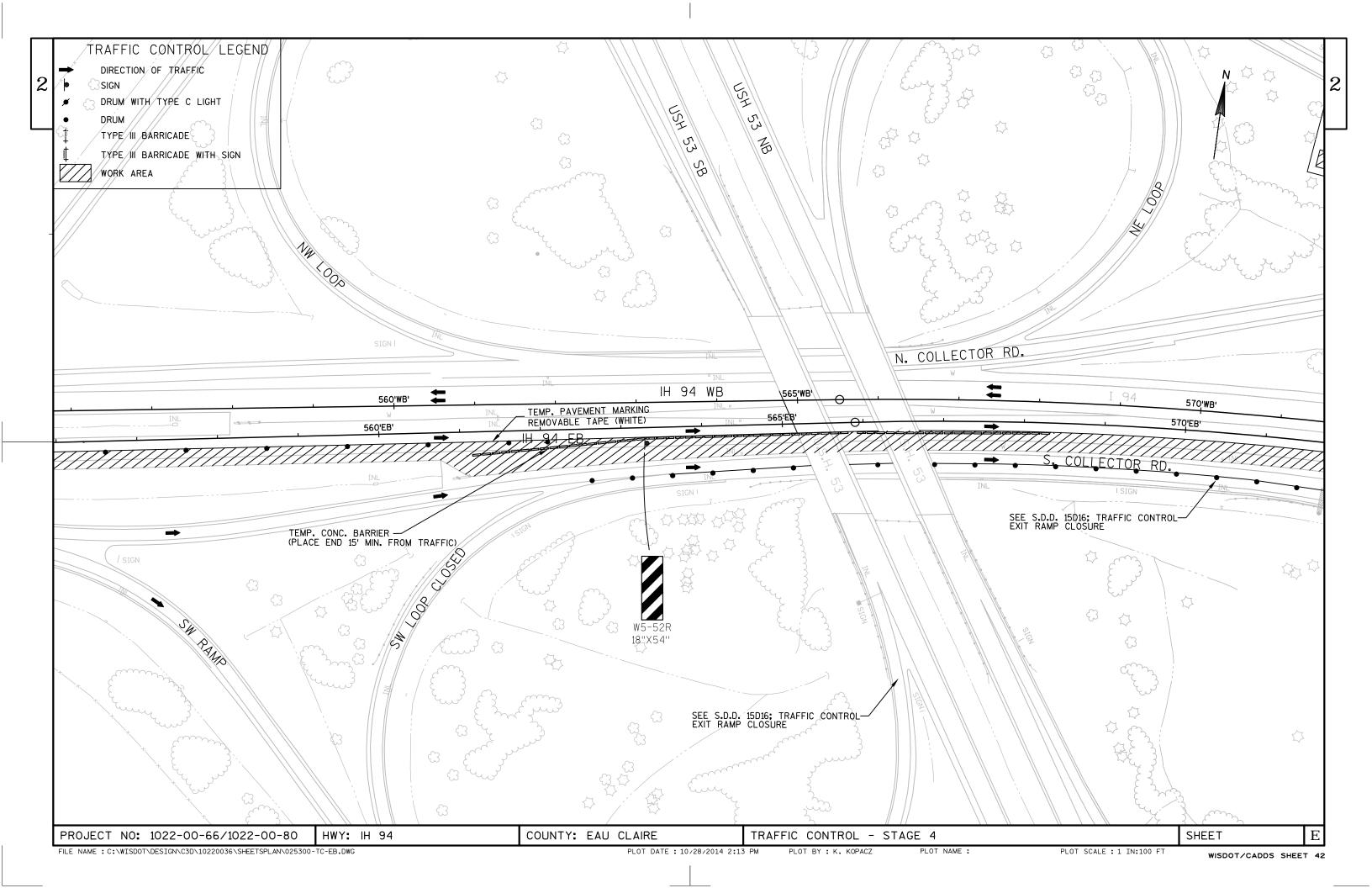


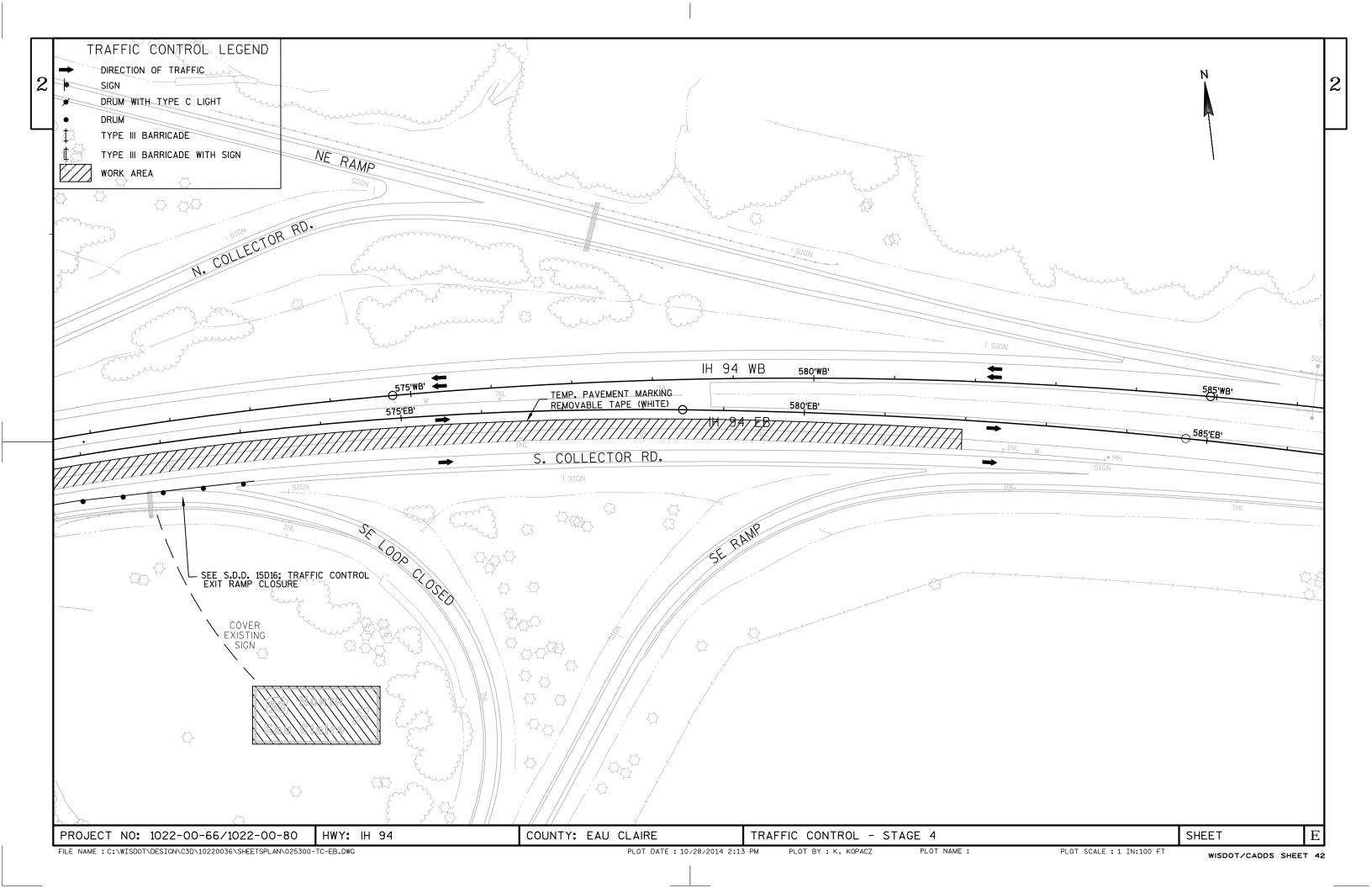


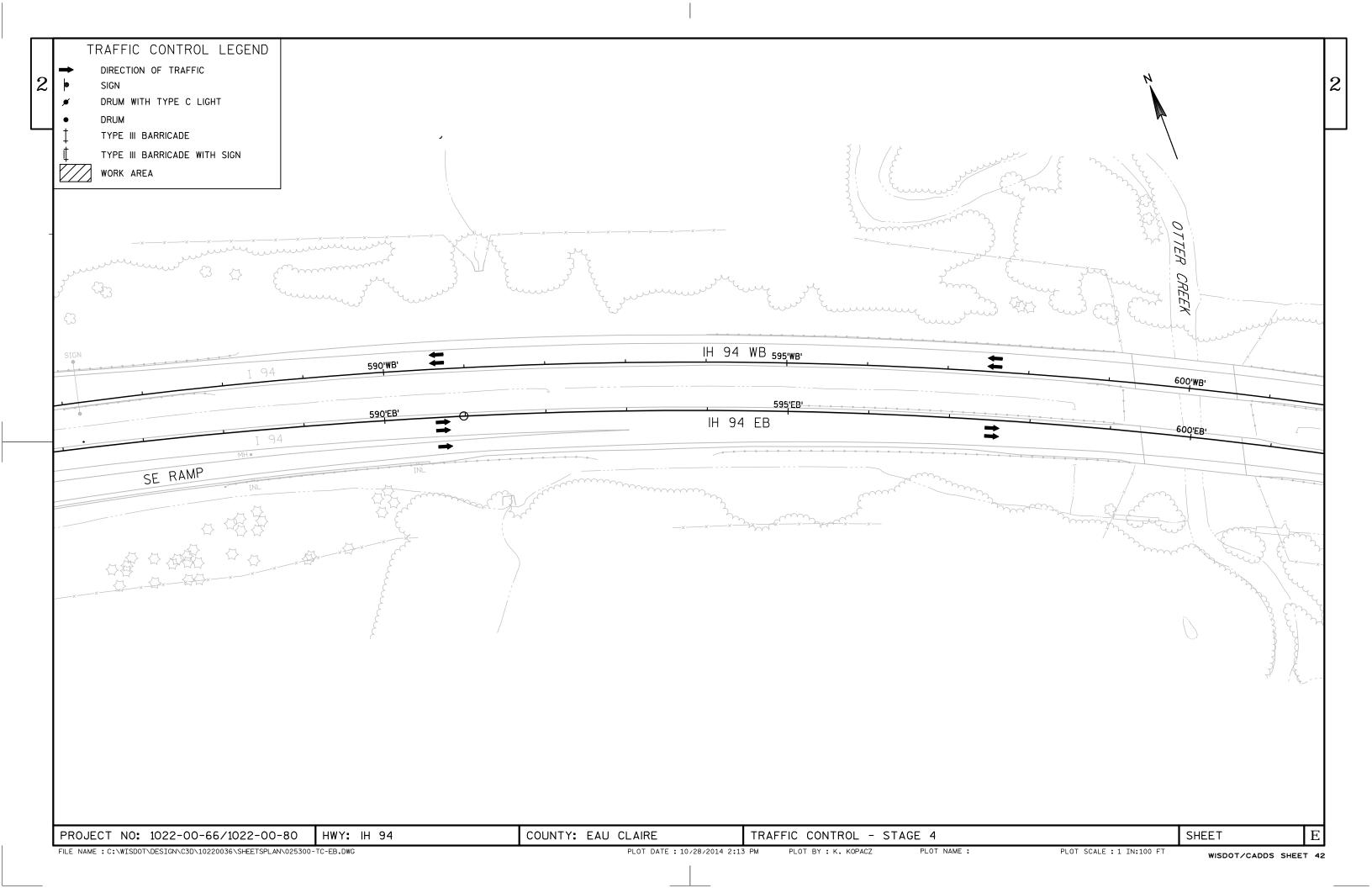


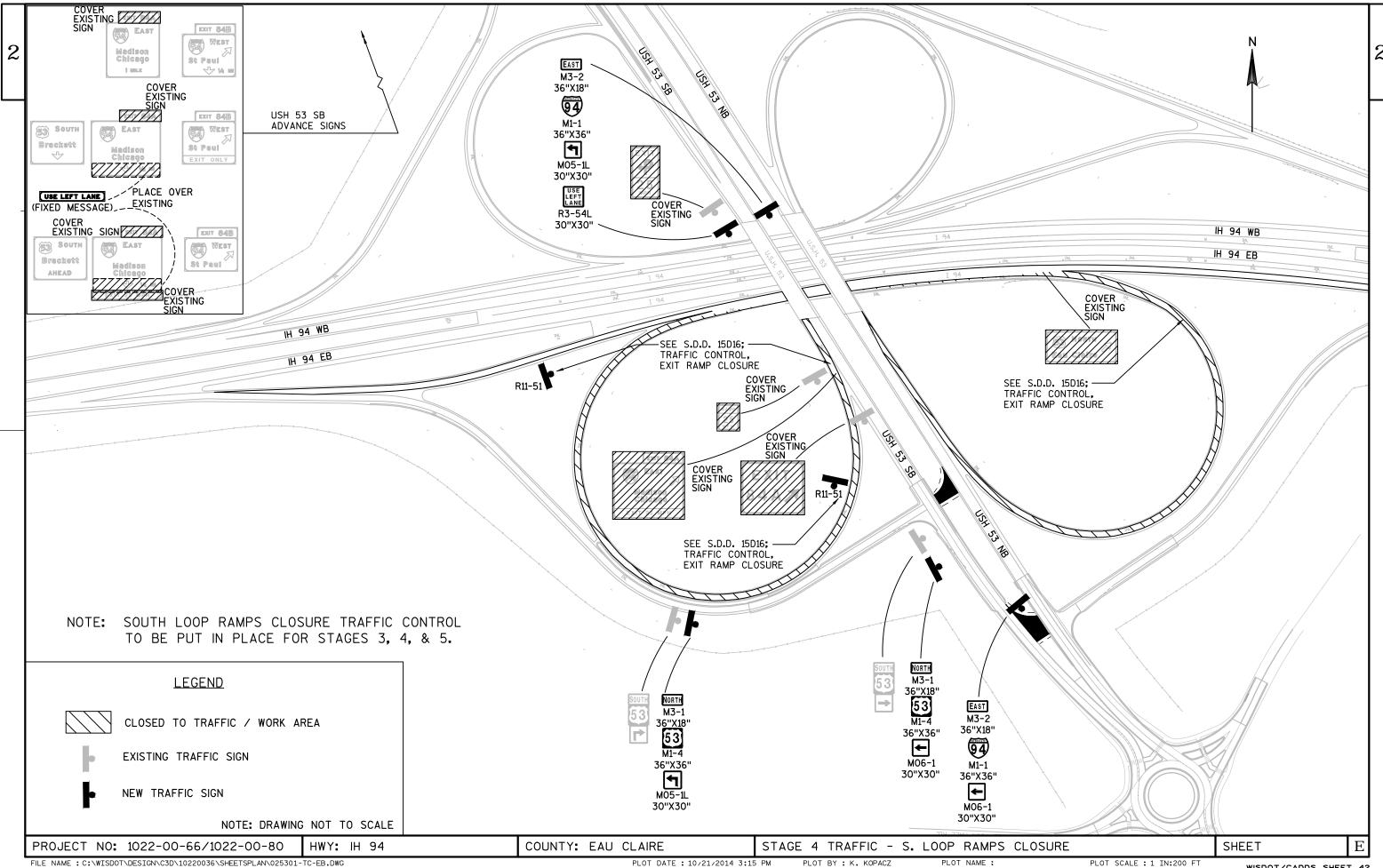






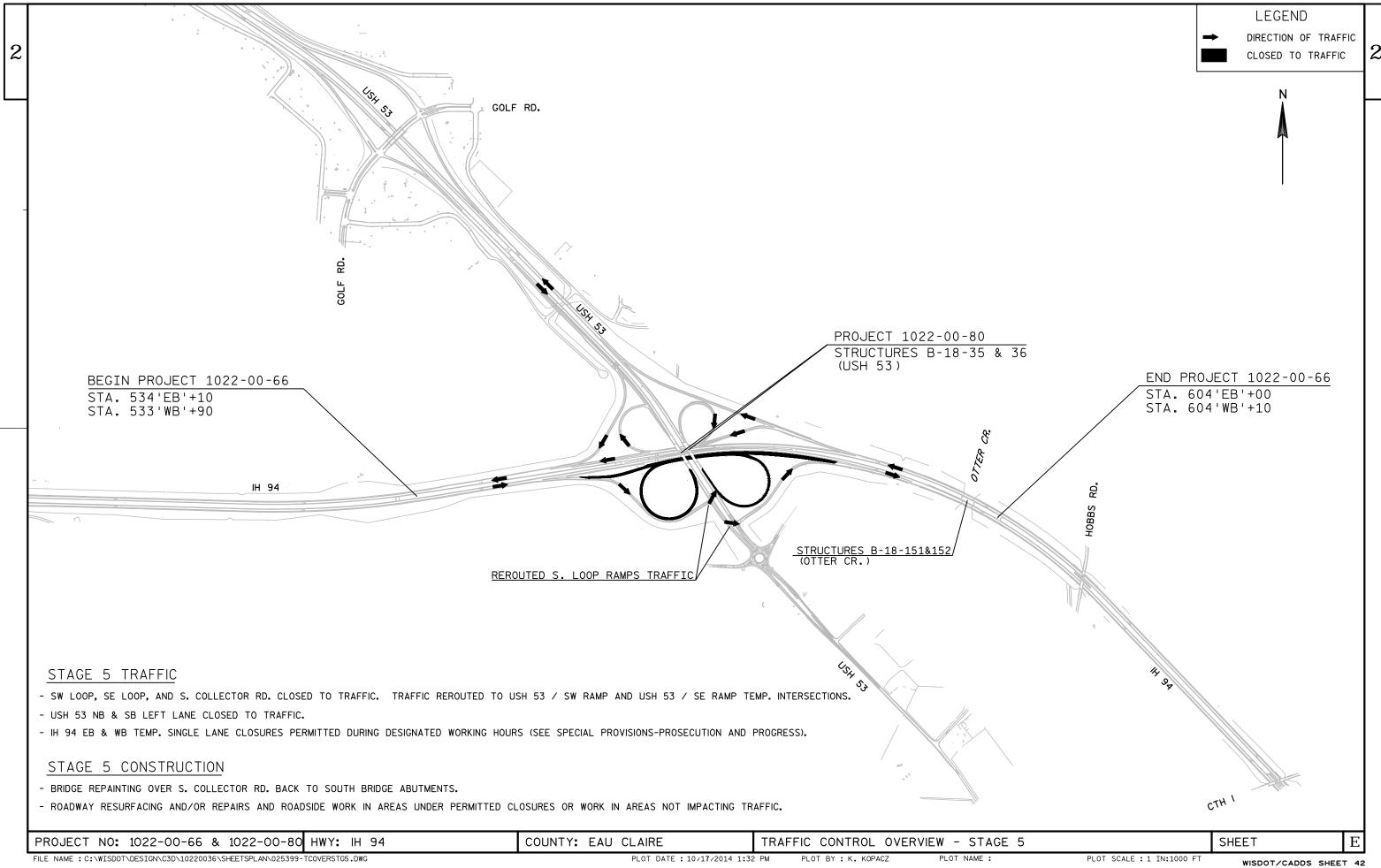


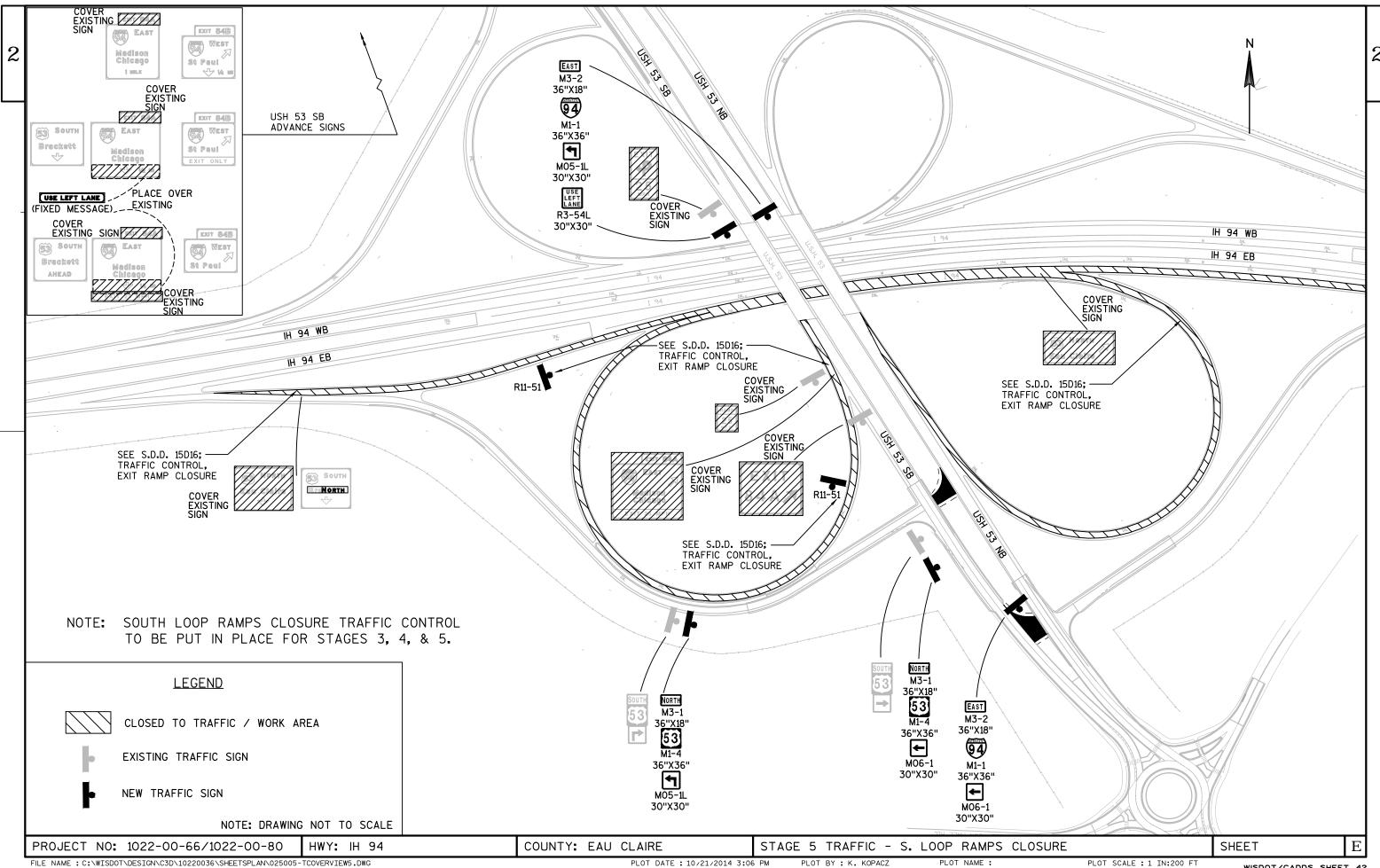




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WISDOT/CADDS SHEET 42





WISDOT/CADDS SHEET 42

<u>LEGEND</u>

POST WITH ATTACHED SIGN

DIRECTION OF TRAFFIC



WORK ZONE

MB

PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL SEE ALT. ROUTE DETAIL FOR LOCATION

- * A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHALL BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 TO 3 MILES WITHIN THE LANE CLOSURE.
- ** SEE SDD 15D12-4 FOR TRAFFIC CONTROL LOCATED WITHIN THE TRANSITION AREA, BUFFER SPACE, AND WORK SPACE (WORK AREA).

GENERAL NOTES:

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

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

TRAFFIC CONTROL SHOWN IS FOR LANE CLOSURES IN ONE DIRECTION AT ANY GIVEN TIME. IMPLEMENT TRAFFIC CONTROL IN BOTH DIRECTIONS IF LANE CLOSURES ARE IMPLEMENTED FOR BOTH DIRECTIONS.

COORDINATE LOCATIONS OF LANE CLOSURES/SPEED REDUCTION ADVANCED SIGNING WITH DETAILS SHOWN ON ALTERNATE ROUTE DETAIL.

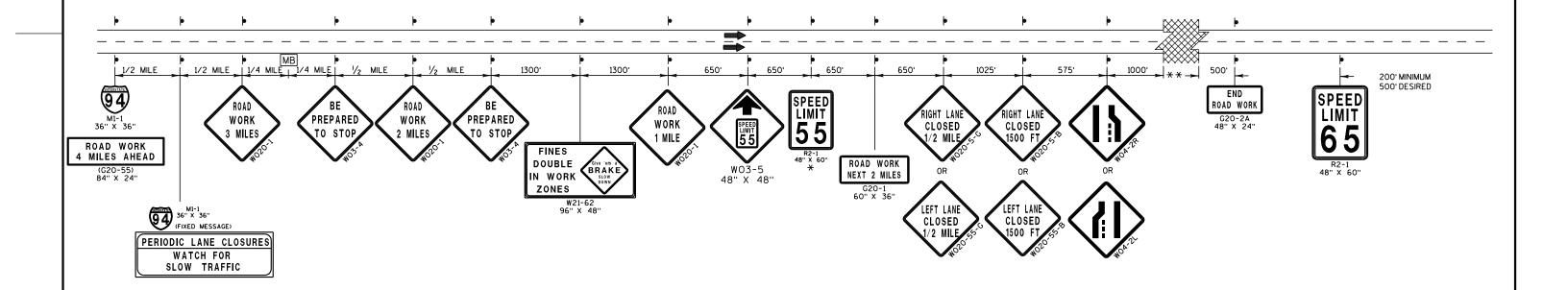
RETURN SPEED LIMIT TO 65 MPH AND COVER SIGNS DURING NON-WORKING HOURS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

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.



PROJECT NO: 1022-00-66/1022-00-80

HWY: IH 94

COUNTY: EAU CLAIRE

TRAFFIC CONTROL ADVANCED WARNING

PLOT BY : DOTKYK

SHEET

DATE 27. LINE	JUL15	EST	IMAT	E OF QUAN	T I T I E S 1022-00-66	1022-00-80
NUMBER	ITEM 204.0100	ITEM DESCRIPTION Removing Pavement	UNI T SY	TOTAL 455. 000	QUANTI TY 455. 000	QUANTI TY
0010 0020	204.0100	Removing Asphaltic Surface Butt Joints	SY	255. 000	255. 000	
0020	204. 0115	Removing Asphaltic Surface Milling	TON	6, 191. 000	6, 191. 000	
0040	204. 0130	Removing Curb	LF	145. 000	145. 000	
0050	204. 0180	Removing Delineators and Markers	EACH	30. 000	30. 000	
0060	204. 0210	Removing Manholes	EACH	1. 000	1. 000	
0070	211. 0100	Prepare Foundation for Asphaltic Paving (project) 01. 1022-00-66	LS	1. 000	1. 000	
0800	213. 0100	Finishing Roadway (project) 01. 1022-00-66	EACH	1. 000	1.000	
0090	305. 0110	Base Aggregate Dense 3/4-Inch	TON	244. 000	244. 000	
0100	305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	346. 000	346. 000	
0110	415. 1410	Concrete Pavement Approach SI ab HES	SY	455.000	455. 000	
0120	416. 0610	Drilled Tie Bars	EACH	570.000	570.000	
0130	416.0620	Drilled Dowel Bars	EACH	3, 807. 000	3, 807. 000	
0140	416. 1110	Concrete Shoulder Rumble Strips	LF	8, 765. 000	8, 765. 000	
0150	455. 0145	Asphaltic Material PG64-34P	TON	147. 000	147. 000	
0160	455.0605	Tack Coat	GAL	2, 513. 000	2, 513. 000	
0170	460. 1110	HMA Pavement Type E-10	TON	2, 455. 000	2, 455. 000	
0180	460. 2000	Incentive Density HMA Pavement	DOL	1, 570. 000	1, 570. 000	
0190	465. 0105	Asphaltic Surface	TON	3, 767. 000	3, 767. 000	
0200	465. 0110	Asphaltic Surface Patching	TON	100. 000	100. 000	
0210	465. 0125	Asphaltic Surface Temporary	TON	162.000	162.000	
0220	465.0400	Asphaltic Shoulder Rumble Strips	LF	15, 439. 000	15, 439. 000	1 000
0230	517. 1800. S	Structure Repainting Recycled Abrasive (structure) 01. B-18-35	LS	1. 000		1. 000
0240	517. 1800. S	Structure Repainting Recycled Abrasive (structure) 02. B-18-36	LS	1. 000		1.000
0250	517. 4500. S	Negative Pressure Containment and	LS	1. 000		1.000
		Collection of Waste Materials				
		(structure) 01. B-18-35				
0260	517. 4500. S	Negative Pressure Containment and	LS	1. 000		1.000
		Collection of Waste Materials				
0270	517. 6001. S	(structure) 02. B-18-36 Portable Decontamination Facility 01.	EACH	1. 000		1. 000
		B-18-35				
0280	517.6001.5	Portable Decontamination Facility 02. B-18-36	EACH	1. 000		1.000
0290	520. 4012	Culvert Pipe Temporary 12-Inch	LF	46.000	46. 000	
0300	520. 4015	Culvert Pipe Temporary 15-Inch	LF	8. 000	8. 000	
0310	522. 0124	Culvert Pipe Reinforced Concrete Class	LF	8. 000	8. 000	
0320	524. 0618	III 24-Inch Apron Endwalls for Culvert Pipe	EACH	1.000	1.000	
0330	524. 0624	Salvaged 18-Inch Apron Endwalls for Culvert Pipe	EACH	1. 000	1. 000	
		Sal vaged 24-Inch				
0340	601. 0115	Concrete Curb Type G	LF	145.000	145.000	
0350	603. 8000	Concrete Barrier Temporary Precast Delivered	LF	1, 400. 000	1, 400. 000	
0360	603. 8125	Concrete Barrier Temporary Precast	LF	2, 800. 000	2, 800. 000	
0070		Installed			1 222	
0370	611. 0545	Manhole Covers Type L	EACH	1.000	1.000	
0380	611. 2004	Manholes 4-FT Diameter	EACH	1.000	1.000	
0390 0400	614. 0010 614. 0305	Barrier System Grading Shaping Finishing Steel Plate Beam Guard Class A	EACH LF	11. 000 150. 000	11. 000 150. 000	
0400	014.0000	Steel Frate Deall Guard Crass A	LI	150.000	130.000	

DATE 27 LINE	JUL15	E S	ГІМАТ	E O F Q U A N	T I T I E S 1022-00-66	1022-00-80	
NUMBER 0410	I TEM 614. 0370	ITEM DESCRIPTION Steel Plate Beam Guard Energy Absorbing Terminal	UNI T EACH	TOTAL 11. 000	QUANTI TY 11. 000	QUANTI TY	
0420 0430	614. 0400 614. 0920	Adjusting Steel Plate Beam Guard Salvaged Rail	LF LF	450. 000 562. 500	450. 000 562. 500		
0440 0450	614. 0950 618. 0100	Replacing Guardrail Posts and Blocks Maintenance And Repair of Haul Roads (project) 01. 1022-00-66	EACH EACH	100. 000 1. 000	100. 000 1. 000		
0460 0470	619. 1000 628. 1504	Mobilization Silt Fence	EACH LF	1. 000 1, 425. 000	0. 700 1, 425. 000	0. 300	
0480	628. 1520	Silt Fence Maintenance	LF	1, 425. 000	1, 425. 000		
0490 0500	628. 1905 628. 1910	Mobilizations Erosion Control Mobilizations Emergency Erosion Control	EACH EACH	5. 000 1. 000	5. 000 1. 000		
0510	628. 7010	Inlet Protection Type B	EACH	7. 000	7. 000		
0520	633. 0100	Delineator Posts Steel	EACH	30.000	30.000		
0530 0540	633. 0500 634. 0616	Delineator Reflectors Posts Wood 4x6-Inch X 16-FT	EACH EACH	30. 000 66. 000	30. 000 66. 000		
0550	634. 0618	Posts Wood 4x6-Inch X 18-FT	EACH	2. 000	2. 000		
0560	635. 0300	Sign Supports Replacing Base Connection Bolts	EACH	2. 000	2. 000		
0570	637. 1220	Signs Type I Reflective SH	SF	1, 430. 500	1, 430. 500		
0580	637. 2210	Signs Type II Reflective H	SF	400. 670	400. 670		
0590 0600	637. 2215 637. 2230	Signs Type II Reflective H Folding Signs Type II Reflective F	SF SF	40. 500 349. 500	40. 500 349. 500		
0000	037. 2230	Signs Type II kerrective F	3F	347. 300	349. 500		
0610	638. 2601	Removing Signs Type I	EACH	6. 000	6. 000		
0620	638. 2602	Removing Signs Type II	EACH	43.000	43.000		
0630 0640	638. 3000 642. 5001	Removing Small Sign Supports Field Office Type B	EACH EACH	65. 000 1. 000	65. 000 1. 000		
0650	643. 0200	Traffic Control Surveillance and Maintenance (project) 01. 1022-00-66	DAY	80.000	80. 000		
0660	643. 0200	Traffic Control Surveillance and Maintenance (project) 02.1022-00-80	DAY	80. 000		80.000	
0670	643. 0300	Traffic Control Drums	DAY	25, 292. 000	25, 292. 000		
0680	643. 0420	Traffic Control Barricades Type III	DAY	1, 908. 000	1, 908. 000		
0690	643. 0500	Traffic Control Flexible Tubular Marker Posts	EACH	16. 000	16. 000		
0700	643. 0600	Traffic Control Flexible Tubular Marker Bases	EACH	16. 000	16. 000		
0710	643. 0705	Traffic Control Warning Lights Type A	DAY	3, 816. 000	3, 816. 000		
0720	643. 0715	Traffic Control Warning Lights Type C	DAY	3, 864. 000	3, 864. 000		
0730 0740	643. 0800 643. 0900	Traffic Control Arrow Boards Traffic Control Signs	DAY DAY	532. 000 7, 740. 000	532. 000 7, 740. 000		
0750	643. 0910	Traffic Control Covering Signs Type I	EACH	6. 000	6. 000		
0760	643. 0920	Traffic Control Covering Signs Type II	EACH	7. 000	7. 000		
0770	643. 1000	Traffic Control Signs Fixed Message	SF	352. 000	352.000		
0780 0790	643. 1050 643. 2000	Traffic Control Signs PCMS Traffic Control Detour (project) 01.	DAY EACH	480. 000 1. 000	480. 000 1. 000		
0170	043. 2000	1022-00-66	LACIT	1.000	1.000		
0800	643. 3000	Traffic Control Detour Signs	DAY	1, 800. 000	1, 800. 000		
0810	646. 0600	Removing Pavement Markings	LF	5, 000. 000	5, 000. 000		
0820	646. 0841. S	Pavement Marking Grooved Wet Reflective	LF	250. 000	250. 000		
0830	646. 0881. S	Contrast Tape 4-Inch Pavement Marking Grooved Wet Reflective Tape 4-Inch	LF	750. 000	750. 000		
0840	646. 2304. S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	60, 793. 000	60, 793. 000		

REMOVING PAVEMENT

CATEGORY	STATION TO STATION	LOCATI ON	204. 0100 SY	REMARKS
0010 0010	599' EB' +03 - 601' EB' +00 599' WB' +13 - 601' WB+10	IH 94 EASTBOUND IH 94 WESTBOUND	246 209	BRI DGE APPROACH SLABS BRI DGE APPROACH SLABS
		TOTAL 0010	455	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

REMOVING ASPHALTIC SURFACE MILLING

			204. 0115					204. 0125	
CATEGORY	STATION TO STATION	LOCATION	SY	REMARKS	CATEGORY	STATION TO STATION	LOCATI ON	TON	REMA
0010	534' EB' +10 - 534' EB' +15	TH 94 EASTBOUND SHOULDERS	7		0010	534' EB' +15 - 599' EB' +33	IH 94 EASTBOUND SHOULDERS	1249	
0010	599' EB' +33 - 599' EB' +38	TH 94 EASTBOUND SHOULDERS	8		0010	600' EB' +70 - 603' EB' +95	IH 94 EASTBOUND SHOULDERS	50	
0010	600' EB' +65 - 600' EB' +70	TH 94 EASTBOUND SHOULDERS	8		0010	533' WB' +95 - 599' WB' +25	IH 94 WESTBOUND SHOULDERS	1216	
0010	603' EB' +95 - 604' EB' +00	IH 94 EASTBOUND SHOULDERS	7		0010	600' WB' +60 - 604' WB' +05	IH 94 WESTBOUND SHOULDERS	52	
0010	533' WB' +90 - 533' WB' +95	IH 94 WESTBOUND SHOULDERS	7		0010	558' SW' +90 - 565' SW' +10	SOUTHWEST RAMP	182	
0010	599' WB' +25 - 599' WB' +30	IH 94 WESTBOUND SHOULDERS	8		0010	97' SL' +05 - 108' SL' +45	SOUTHWEST LOOP	305	
0010	600' WB' +55 - 600' WB' +60	IH 94 WESTBOUND SHOULDERS	8		0010	555' NW' +65 - 563' NW' +65	NORTHWEST RAMP	246	
0010	604' WB' +05 - 604' WB' +10	IH 94 WESTBOUND SHOULDERS	7		0010	61' NL' +45 - 66' NL' +60	NORTHWEST LOOP	145	
0010	558' SW' +85 - 558' SW' +90	SOUTHWEST RAMP	9		0010	573' SE' +35 - 576' SE' +90	SOUTHEAST RAMP	113	
0010	565' SW' +10 - 565' SW' +15	SOUTHWEST RAMP	12		0010	123' SL' +55 - 133' SL' +50	SOUTHEAST LOOP	280	
0010	97' SL' +00 - 97' SL' +05	SOUTHWEST LOOP	12		0010	556' NE' +95 - 579' NE' +45	NORTHEAST RAMP	748	
0010	108' SL' +45 - 108' SL' +50	SOUTHWEST LOOP	10		0010	44' NL' +05 - 51' NL' +70	NORTHEAST LOOP	215	
0010	555' NW' +60 - 555' NW' +65	NORTHWEST RAMP	10		0010	572' NC' +05 - 577' NC' +20	NORTH COLLECTOR ROAD	193	
0010	563' NW' +65 - 563' NW' +70	NORTHWEST RAMP	12		0010	546' SW' +00 - 558' SW' +85	SOUTHWEST RAMP SHOULDERS	113	
0010	61' NL' +40 - 61' NL' +45	NORTHWEST LOOP	10		0010	108' SL' +50 - 113' SL' +00	SOUTHWEST LOOP SHOULDERS	29	
0010	66' NL' +60 - 66' NL' +65	NORTHWEST LOOP	10		0010	550' NW' +00 - 555' NW' +60	NORTHWEST RAMP SHOULDERS	42	
0010	573' SE' +30 - 573' SE' +35	SOUTHEAST RAMP	14		0010	59' NL' +00 - 61' NL' +40	NORTHWEST LOOP SHOULDERS	15	
0010	576' SE' +90 - 576' SE' +95	SOUTHEAST RAMP	9		0010	576' SE' +95 - 585' SE' +00	SOUTHEAST RAMP SHOULDERS	103	
0010	123' SL' +50 - 123' SL' +55	SOUTHEAST LOOP	10		0010	121' SL' +00 - 123' SL' +50	SOUTHEAST LOOP SHOULDERS	32	
0010	133' SL' +50 - 133' SL' +55	SOUTHEAST LOOP	12		0010	579' NE' +50 - 585' NE' +50	NORTHEAST RAMP SHOULDERS	77	
0010	556' NE' +90 - 556' NE' +95	NORTHEAST RAMP	14		0010	51' NL' +75 - 53' NL' +75	NORTHEAST LOOP SHOULDERS	13	
0010	579' NE' +45 - 579' NE' +50	NORTHEAST RAMP	12		0010	552' NC' +00 - 572' NC' +00	NORTH COLLECTOR ROAD SHOULDERS	345	
0010	44' NL' +00 - 44' NL' +05	NORTHEAST LOOP	12		0010	549' SC' +00 - 589' SC' +00	SOUTH COLLECTOR ROAD SHOULDERS	428	
0010	51' NL' +70 - 51' NL' +75	NORTHEAST LOOP	10						
0010	572' NC' +00 - 572' NC' +05	NORTH COLLECTOR ROAD	17				TOTAL 0010	6191	
		TOTAL 0010	255						
		T						T	
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			REMOVING CURB						
	CATEC	GORY STATION TO STATION	LOCATI ON	204	.0130 LF REMARKS	_			
	00	10	USH 53 MEDIAN (S	E RAMP) AL 0010	145 145				
			REMOVING DELI	NEATORS AND MARK	<u>KERS</u>				
	CATEGORY	STATION TO STATION	LOCATI ON	204. C	D180 EACH REMARKS	_			
	0010	534' EB' +10 - 604' EB' +00	IH 94 EASTBOUND		15				
	0010	533' WB' +90 - 604' WB' +10	IH 94 WESTBOUND	, LT.	15				
	0010	533' WB' +90 - 604' WB' +10		, LT. - 0010	30				
	0010	533' WB' +90 - 604' WB' +10 TEMPORARY DRAINAGE IN	TOTAL						
CATECODY		TEMPORARY DRAINAGE IN	REMOVING MANHOLES 204.0210	CULVERT PIPE TEMPORARY 12-I NCH 520, 4012	CULVERT PI PE TEMPORARY 15-I NCH 520. 4015	MANHOLE COVERS TYPE L 611. 0545	MANHOLES 4-FT DI AMETER 611. 2004	DEMARKS	
CATEGORY 0010	STATION TO STATION 570' SW' +52	TEMPORARY DRAINAGE IN	TOTAL STALLATION & REM REMOVING MANHOLES	O010 OVAL CULVERT PIPE TEMPORARY 12-INCH	CULVERT PI PE TEMPORARY 15-I NCH	COVERS TYPE L	4-FT DI AMETER	REMARKS	
	STATION TO STATION	TEMPORARY DRAINAGE IN	REMOVING MANHOLES 204. 0210 EACH	CULVERT PIPE TEMPORARY 12-I NCH 520. 4012 LF	CULVERT PI PE TEMPORARY 15-I NCH 520. 4015 LF	COVERS TYPE L 611. 0545 EACH	4-FT DI AMETER 611. 2004 EACH	REMARKS	
	STATION TO STATION	TEMPORARY DRAINAGE IN LOCATION USH 53 MEDIAN	REMOVING MANHOLES 204.0210 EACH	CULVERT PI PE TEMPORARY 12-I NCH 520. 4012 LF	CULVERT PI PE TEMPORARY 15-I NCH 520. 4015 LF	COVERS TYPE L 611. 0545 EACH	4-FT DI AMETER 611. 2004 EACH	REMARKS	
	STATION TO STATION	TEMPORARY DRAINAGE IN LOCATION USH 53 MEDIAN	REMOVING MANHOLES 204.0210 EACH	CULVERT PI PE TEMPORARY 12-I NCH 520. 4012 LF	CULVERT PI PE TEMPORARY 15-I NCH 520. 4015 LF	COVERS TYPE L 611. 0545 EACH	4-FT DI AMETER 611. 2004 EACH	REMARKS	
	STATION TO STATION	TEMPORARY DRAINAGE IN LOCATION USH 53 MEDIAN	REMOVING MANHOLES 204.0210 EACH	CULVERT PI PE TEMPORARY 12-I NCH 520. 4012 LF	CULVERT PI PE TEMPORARY 15-I NCH 520. 4015 LF	COVERS TYPE L 611. 0545 EACH	4-FT DI AMETER 611. 2004 EACH	REMARKS	

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	BASE AGGE	REGATE DENSE 3/4-INC	Н				BASE AGGREGATE DENSE 1 1/4-	I NCH	
CATEGORY STATION TO	STATION LOCATION	305	5. 0110 TON	REMARKS		,		305. 0120	
0010	USH 53 MFF	IAN (SW RAMP)	20 TEN	IPORARY INTERSECTION	CATEGORY	STATION TO STATION	LOCATI ON	TON	REMARKS
0010 0010 0010 0010		NAN (SE RAMP) E.A.T.'S		IPORARY INTERSECTION	0010 0010		USH 53 MEDIAN (SW RAMP) USH 53 MEDIAN (SE RAMP) TOTAL 0010		PORARY INTERSECT PORARY INTERSECT
		CONCRETE PAVEMENT AP		o uce			DRILLED TIE BARS		
	•	CONCRETE PAVEMENT AP	PROACH SLA	<u>5 NES</u>				416. 0610	
			415. 141	0	CATEGORY	STATION TO STATIO	N LOCATION	EACH	REMARKS
0010 599' EB' +	03 - 601' EB' +00	LOCATION IH 94 EASTBOUND IH 94 WESTBOUND TOTAL 0010	24 20 45	9 -	0010 0010 0010 0010 0010 0010	534' EB' +10 - 604' EB' + 533' WB' +90 - 604' WB' + 546' SW' +00 - 555' SW' + 556' SC' +50 - 583' SC' + 59' NL' +00 - 61' NL' +4 576' SE' +95 - 593' SE' + 579' NE' +50 - 585' NE' + 579' NE' + 50 - 585' NE' + 579' NE	+10 IH 94 WESTBOUND +50 SOUTHWEST RAMP +50 SOUTH COLLECTOR ROAD 40 NORTHWEST LOOP +00 SOUTHEAST RAMP	92 211 24 88 11 68 24	
					0010		USH 53 MEDIAN (SE RAMP) TOTAL 0010	52 570	CURB REINSTAL
	DRI	LLED DOWEL BARS							
CATEGORY STATION	TO STATION LOG	CATI ON	416. 0620 EACH	REMARKS					
							CONCRETE SHOULDER	RUMBLE STRIPS	
0010 533' WB' +90 0010 546' SW' +00 0010 108' SL' +45	- 604' WB' +10 I H - 555' SW' +50 SOU - 113' SL' +00 SOU	94 EASTBOUND 94 WESTBOUND JTHWEST RAMP JTHWEST LOOP	792 1247 220 92		CATEGORY	STATION TO STAT	ION LOCATION	416. 1110 LF	
0010 543' NW' +75 0010 59' NL' +00 0010 552' NC' +00 0010 576' SE' +95	- 555' NW' +60 NOF - 61' NL' +40 NOF - 572' NC' +00 NOF - 593' SE' +00 SOL	RTHWEST RAMP RTHWEST LOOP RTH COLLECTOR ROAD RTHEAST RAMP RTHEAST RAMP	686 26 35 53 299 92		0010 0010 0010 0010 0010	534' EB' +10 - 546' EI 551' EB' +50 - 583' EI 552' WB' +50 - 583' WI 590' WB' +80 - 599' WI 600' WB' +55 - 604' WI	B' +75	1205 3225 3130 850 355	=
0010 51' NL' +75 0010 599' EB' +03	- 54' NL' +00 NOR - 601' EB' +00 I H	RTHEAST RAMP RTHEAST LOOP 94 EASTBOUND 94 WESTBOUND	167 26 36 36	APPROACH SLABS APPROACH SLABS			TOTAL 0010	8765	
0010 599' WB' +13		TOTAL 0010	2007						
0010 599' WB' +13		T0TAL 0010	3807	NTY: EAU CLAIRE		LANEOUS QUANTITIES			HEET:

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HMA ITEMS

CATEGORY	STATION TO STATION	LOCATI ON	ASPHALTI C MATERI AL PG64-34P 455. 0145 TON	TACK COAT 455. 0605 GAL	HMA PAVEMENT TYPE E-10 460. 1110 TON	ASPHALTI C SURFACE 465. 0105 TON	REMARKS
<u> </u>	ominant to ominan	200711011	1011		1011		TCLWW W.C.C.
0010	534' EB' +10 - 599' EB' +38	IH 94 EASTBOUND SHOULDERS	-	311	_	1250	
0010	600' EB' +65 - 604' EB' +00	IH 94 EASTBOUND SHOULDERS	-	18	=	51	
0010	533' WB' +90 - 599' WB' +30	IH 94 WESTBOUND SHOULDERS	=	312	=	1216	
0010	600' WB' +55 - 604' WB' +10	IH 94 WESTBOUND SHOULDERS	-	19	=	53	
0010	558' SW' +85 - 565' SW' +15	SOUTHWEST RAMP	11	96	185	-	
0010	97' SL' +00 - 108' SL' +50	SOUTHWEST LOOP	18	161	308	-	
0010	555' NW' +60 - 563' NW' +70	NORTHWEST RAMP	15	130	249	_	
0010	61' NL' +40 - 66' NL' +65	NORTHWEST LOOP	9	77	148	_	
0010	573' SE' +30 - 576' SE' +95	SOUTHEAST RAMP	7	61	117	_	
0010	123' SL' +50 - 133' SL' +55	SOUTHEAST LOOP	17	147	283	-	
0010	556' NE' +90 - 579' NE' +50	NORTHEAST RAMP	45	392	751	-	
0010	44'NL'+00 - 51'NL'+75	NORTHEAST LOOP	13	114	218	_	
0010	572' NC' +00 - 577' NC' +25	NORTH COLLECTOR ROAD	12	103	196	_	
0010	546' SW' +00 - 558' SW' +85	SOUTHWEST RAMP SHOULDERS	=	59	_	113	
0010	108' SL' +50 - 113' SL' +00	SOUTHWEST LOOP SHOULDERS	-	15	_	29	
0010	550' NW' +00 - 555' NW' +60	NORTHWEST RAMP SHOULDERS	_	22	_	42	
0010	59' NL' +00 - 61' NL' +40	NORTHWEST LOOP SHOULDERS	-	8	=	15	
0010	576' SE' +95 - 585' SE' +00	SOUTHEAST RAMP SHOULDERS	-	54	=	103	
0010	121' SL' +00 - 123' SL' +50	SOUTHEAST LOOP SHOULDERS	=	17	_	32	
0010	579' NE' +50 - 585' NE' +50	NORTHEAST RAMP SHOULDERS	-	40	-	77	
0010	51' NL' +75 - 53' NL' +75	NORTHEAST LOOP SHOULDERS	_	7	-	13	
0010	552' NC' +00 - 572' NC' +00	NORTH COLLECTOR ROAD SHOULDERS	_	127	-	345	
0010	549' SC' +00 - 589' SC' +00	SOUTH COLLECTOR ROAD SHOULDERS	-	223	-	428	
		TOTAL 0010	147	2513	2455	3767	

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ASPHAL	TIC:	SURFACE	PATCHING

CATEGORY	STATION TO	STATI ON	LOCATI ON	465. 0110 TON	REMARKS
0010 0010			IH 94 SHOULDERS RAMPS & LOOPS	70 30	
			TOTAL 0010	100	

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STATION TO	STATI ON	LOCATI ON	465. 0125 TON	REMARKS
0010 0010			USH 53 MEDIAN (SW RAMP) USH 53 MEDIAN (SE RAMP)	86 76	TEMPORARY INTERSECTION TEMPORARY INTERSECTION
			T0TAL 0010	162	

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					ASPHALT	IC SHOULDER RUMB	LE STRIPS					
		CATE	GORY STATION	TO STATION	LOCATI ON		465. 0400 LF	REMARKS_				
3		00 00 00 00	10 593' EB' +00 10 600' EB' +65 10 533' WB' +90	- 599' EB' +38 - 599' EB' +38 - 604' EB' +00 - 599' WB' +28 - 604' WB' +10	IH 94 EA IH 94 EA IH 94 WE	STBOUND, LT. STBOUND, RT. STBOUND, LT. & RT. STBOUND, RT. STBOUND, RT.	6528 638 670 6538 355					
				- 541' WB' +00		STBOUND, LT.	710					
						TOTAL 0010	15439					
			PERMANENT D	RAI NAGE								
	CATEGORY STATION TO STATIO	I LOCATI ON		CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH 522. 0124 LF	APRO ENDWALLS FO CULVERT PIP SALVAGE 18-INC 524.061	R ENDWALLS FOR E CULVERT PIPE D SALVAGED H 24-I NCH 8 524.0624	REMARKS					
	0010 570' SW' - 0010 46' NE' +0		EDIAN T LOOP, LT. TOTAL 0010	- 8		1 - - 1 1 1		I ENDWALL REMOVED FOR TEN I ENDWALL ON EXTENDED PIF				
							CONCRETE BARRI	ER TEMPORARY PRECAST				
	CATEGORY LOCATION O010 USH 53 MEDIAN (SE RAMP) TOTAL 0010	CONCRETE CURB TYPE G 601. 0115 LF 145	CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT SPV. 0090. 02 LF 145	REMARKS CURB REINSTALI		CATEGORY S 0010 0010 0010 0010 0010	TATION TO STATIO	PROJECT IH 94 WESTBOUND IH 94 WESTBOUND & I	EASTBOUND FOTAL 0010	DELI VERED 603. 8000 LF 1400 - - - - 1400	I NSTALLED 603. 8125 LF - 700 1400 700 - 2800	REMARKS STAGE 1 STAGE 2 STAGE 3 STAGE 4 STAGE 5
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CATEGORY	STATION TO STATION	LOCATI ON	614. 0010 EACH	REMARKS	COMMON/CUT*** CY***	BORROW/FI LL*** CY***	TOPSOI L*** MULCH*** SY***	FERTILIZER*** CWT***	NO. 30*** SEED*** LB***	TEMPORARY*** SEED*** LB***
0010	544' WB' +03 - 544' WB' +53	IH 94 WESTBOUND, LT.	1		0	5	20	0. 01	0. 35	0. 52
0010	552' SW' +07 - 552' SW' +57	SOUTHWEST RAMP, RT.	1		0	5	20	0. 01	0. 35	0. 55
0010	551' SW' +94 - 552' SW' +44	SOUTHWEST RAMP, LT.	1		0	8	45	0. 03	0. 80	1. 20
0010	561' SW' +46 - 561' SW' +96	SOUTHWEST RAMP, RT.	1		0	37	82	0. 05	1. 50	2. 30
0010	108' SL' +10. 5 - 108' SL' +60. 5	SOUTHWEST LOOP, LT.	1		0	14	94	0. 06	1. 70	2. 50
0010	113' SL' +49 - 113' SL' +99	SOUTHWEST LOOP, RT.	1		2	0	18	0. 01	0. 30	0. 50
0010	119' SL' +41. 5 - 119' SL' +91. 5	SOUTHEAST LOOP, RT.	1		4	0	39	0. 02	0. 70	1.00
0010	579' NE' +77 - 580' NE' +27	NORTHEAST RAMP, LT.	1		0	5	39	0. 02	0. 70	1. 05
0010	577' NE' +68. 5 - 578' NE' +18. 5	NORTHEAST RAMP, RT.	1		0	40	83	0. 05	1. 50	2. 30
0010	46' NL' +22 - 46' NL' +72	NORTHEAST LOOP, LT.	1		0	84	225	0. 14	4. 00	6. 10
0010	53' NL' +91. 5 - 54' NL' +41. 5	NORTHEAST LOOP, RT.	1		8	0	54	0. 03	1. 00	1. 40
		TOTAL 0010	11							

*** FOR INFO. ONLY; ITEM QUANTITIES ARE INCIDENTAL TO BARRIER SYSTEM GRADING SHAPING FINISHING ITEM.

		ADJUSTING STEEL PLATE	BEAM GUARD			STEEL PLATE BEAM GUARD	CLASS A		
CATEGORY	STATION TO STATION	LOCATI ON	614. 0400 LF	REMARKS	CATEGO	RY LOCATION	614. 0305 LF REMARK	S	
0010 0010	561' SW' +96 - 565' SW' +46 108' SL' +60. 5 - 109' SL' +60. 5	SOUTHWEST RAMP, RT. SOUTHWEST LOOP, LT.	350 100		0010	UNDI STRI BUTED	150 REPL. DAMAGED	SECTS.	
		T0TAL 0010	450			TOTAL 0010	150		
		SALVAGED RAIL					STEEL PLATE BEAM GUAR	D ENERGY ABSO	RBING TERMIN
			614. 0920					614. 0370	
CATEGORY	STATION TO STATION	LOCATI ON	LF	REMARKS	CATEGORY	STATION TO STATION	LOCATI ON	EACH	REMARKS
0010	544' WB' +03 - 544' WB' +40. 5	IH 94 WESTBOUND, LT.	37. 5		0010	544' WB' +03 - 544' WB' +53	IH 94 WESTBOUND, LT.	1	
0010	552' SW' +19. 5 - 552' SW' +57	SOUTHWEST RAMP, RT.	37. 5		0010	552' SW' +07 - 552' SW' +57	SOUTHWEST RAMP, RT.	1	
0010	552' SW' +06. 5 - 552' SW' +44	SOUTHWEST RAMP, LT.	37. 5		0010	551' SW' +94 - 552' SW' +44	SOUTHWEST RAMP, LT.	1	
0010	561' SW' +58. 5 - 561' SW' +96	SOUTHWEST RAMP, RT.	37. 5		0010	561' SW' +46 - 561' SW' +96	SOUTHWEST RAMP, RT.	1	
0010	108' SL' +23 - 108' SL' +60. 5	SOUTHWEST LOOP, LT.	37. 5		0010	108' SL' +10. 5 - 108' SL' +60. 5	SOUTHWEST LOOP, LT.	1	
0010	113' SL' +61. 5 - 113' SL' +99	SOUTHWEST LOOP, RT.	37. 5		0010	113' SL' +49 - 113' SL' +99	SOUTHWEST LOOP, RT.	1	
0010	119' SL' +54 - 119' SL' +91. 5	SOUTHEAST LOOP, RT.	37. 5		0010	119' SL' +41. 5 - 119' SL' +91. 5	SOUTHEAST LOOP, RT.	1	
0010	579' NE' +77 - 580' NE' +14. 5	NORTHEAST RAMP, RT.	37. 5		0010	579' NE' +77 - 580' NE' +27	NORTHEAST RAMP, LT.	1	
0010	577' NE' +68. 5 - 578' NE' +06	NORTHEAST RAMP, LT.	37. 5		0010	577' NE' +68. 5 - 578' NE' +18. 5	NORTHEAST RAMP, RT.	1	
0010	46' NL' +34. 5 - 46' NL' +72	NORTHEAST LOOP, LT.	37. 5		0010	46' NL' +22 - 46' NL' +72	NORTHEAST LOOP, LT.	1	
0010	54' NL' +04 - 54' NL' +41. 5	NORTHEAST LOOP, RT.	37. 5		0010	53' NL' +91. 5 - 54' NL' +41. 5	NORTHEAST LOOP, RT.	1	
0010		UNDI STRI BUTED	150	REPL. DAMAGED SECTS.					
		TOTAL 0010	562. 5				T0TAL 0010	11	
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				REPLACING G	UARDRAIL POSTS	AND BLUCKS			
			CATEGORY	LOCATI ON	(514. 0950 EACH F	REMARKS		
			0010	UNDI STRI BUTEI)	100 DAMA	GED LOCS.		
				TO	TAL 0010	100			
	SILI	<u>FENCE</u>						MOBILIZATIONS EROSION	I CONTROL
			SILT FENCE 628. 1504	SILT FENCE MAINTENANCE 628. 1520		CATEGOR	Y STATION TO STATION	LOCATI ON	628. 1905 EACH REMARKS
TEGORY	STATION TO STATION	LOCATI ON	<u>LF</u>	LF	REMARKS				
0010 0010 0010	551' SW' +75 - 552' SW' +75 561' SW' +25 - 562' SW' +25 107' SL' +75 - 108' SL' +75	SW RAMP, LT. & RT. SW RAMP, RT. SW LOOP, LT.	200 100 100	200 100 100		0010		PROJECT TOTAL 0010	<u>5</u>
0010	113' SL' +00 - 114' SL' +00	SW LOOP, RT.	100	100					
0010	118' SL' +50 - 120' SL' +00	SE LOOP, RT.	150	150					
0010	544' WB' +00 - 545' WB' +00	IH 94 WESTBOUND, LT.	100	100				MODILIZATIONS ENERGE	NCV EDOCION CONTROL
0010	53' NL' +00 - 54' NL' +50	NW LOOP, RT.	150	150				MOBILIZATIONS EMERGE	NCY EROSION CONTROL
0010	45' NL' +75 - 46' NL' +75	NE LOOP, LT.	100	100					
0010	577' NE' +75 - 578' NE' +75	NE RAMP, RT.	100	100					628. 1910
0010	579' NE' +50 - 580' NE' +50	NE RAMP, LT.	100	100		CATEGOR	RY STATION TO STATION	LOCATI ON	EACH REMARKS
0010		USH 53 MEDIAN N.	125	125		0010		PROJECT	1
0010		USH 53 MEDIAN S.	100	100		0010		PROJECT	<u> </u>
		TOTAL 0010	1425	1425				TOTAL 0010	1
					INLET PROT	ECTION TYPE B			
							628. 7010		
			CATEGORY STATI	ON TO STATION	LOCATI ON		EACH REMARKS		
			0010	561' SW' +98	SW RAMP, LT		1		
			0010	108' SL' +00			1		
			0010	113' SL' +14			1		
			0010 0010	119' SL' +50 49' NL' +05) SW LOOP, RT NE LOOP, RT		1 1		
							1		
			0010 0010	52' NL' +66	NE LOOP, RT USH 53 MEDI		1		
					Т	OTAL 0010	7		
OJECT NO	1022-00-66	HWY: IH 94		DUNTY: EAU CLAIF		MISCELLANG	EOUS QUANTITIES		SHEET:
NAME :	. 1022 00 00	11001.11107	100		OT DATE :	PLOT BY		PLOT SCALE : 1:1	I OHILLI.

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DELINEATORS

			633. 0100	633. 0500	
CATEGORY	STATION TO STATION	LOCATI ON	EACH	EACH	REMARKS
0010	534' EB' +10 - 604' EB' +00	IH 94 EASTBOUND, RT.	15	15	
0010	533' WB' +90 - 604' WB' +10	IH 94 WESTBOUND, LT.	15	15	
		TOTAL 0010	30	30	

TRAFFIC CONTROL

CATEGORY	LOCATI ON	DRUMS 643. 0300 DAY	BARRI CADES TYPE III 643. 0420 DAY	WARNI NG LI GHTS TYPE A 643. 0705 DAY	WARNI NG LI GHTS TYPE C 643. 0715 DAY	ARROW BOARDS 643.0800 DAY	SI GNS 643. 0900 DAY	REMARKS
0010	STAGE 1 BRG. PAINT	500	_	-	-	20	160	
0010	STAGE 2 BRG. PAINT	770	30	60	140	10	190	
0010	STAGE 3 BRG. PAINT	3080	120	240	560	40	880	
0010	STAGE 4 BRG. PAINT	770	30	60	140	10	250	
0010	STAGE 5 BRG. PAINT	500	-	-	-	20	160	
0010	IH 94 EASTBOUND	3136	224	448	392	56	1120	
0010	IH 94 WESTBOUND	3136	224	448	392	56	1120	
0010	USH 53 NB	6700	640	1280	1120	160	1930	
0010	USH 53 SB	6700	640	1280	1120	160	1930	
	TOTAL 0010	25292	1908	3816	3864	532	7740	

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS

		POSTS	BASES	
		643. 0500	643.0600	
CATEGORY	LOCATI ON	EACH	EACH	REMARKS
		_		
0010	IH 94 WESTBOUND	8	8	AT LANE SPLIT
0010	IH 94 EASTBOUND	8	8	AT LANE SPLIT
	TOTAL 0010	16	16	

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	TRAFFIC CONTROL COVERING SIGNS	TYPE I				TRAI	FFIC CONTROL COV	ERING SIGNS TY	<u> </u>
	CATEGORY STATION TO STATION LOCATION EACH			CATEGORY	STATION TO S	STATION LOCA	TI ON	643. 0920 EACH	REMARKS_
3	0010 PROJECT 0010 PROJECT 0010 PROJECT 0010 PROJECT 0010 PROJECT 0010 PROJECT TOTAL 0010	STAGE 1 STAGE 2 STAGE 3 STAGE 4 STAGE 5		0010 0010 0010 0010 0010		PROJ PROJ PROJ PROJ	ECT ECT ECT	3 - 4 - - 7	STAGE 1 STAGE 2 STAGE 3 STAGE 4 STAGE 5
	TRAFFIC CONTROL SIGNS FIXED M	ESSAGE				TRA	FFIC CONTROL SIG	NS PCMS	
	OO10 IH 94 EASTBOUND 1	000 SF REMARKS 76 76 52		0010 0010 0010 0010 0010	STATION TO	IH (IH (USH	ATION 94 EB 94 WB 53 NB 53 SB TOTAL 0010	643. 1050 DAY 160 160 80 80	REMARKS
	TRAFFIC CONTROL DETOUR SIGNS	3. 3000				REMOVING F	PAVEMENT MARKINGS	<u>\$</u> 646. 0600	
<u>(</u>	OATEGORY STATION TO STATION LOCATION USH 53 NB TO GOLF RD. TO USH 53 SB TOTAL 0010 TOTAL 0010	1800 1800	CATEGORY 0010 0010	STATI ON	TO STATION	LOCATION IH 94 EB & USH 53 NB &		LF 2500 1	REMARKS TRAFFIC CONTROL TRAFFIC CONTROL
	ROJECT NO: 1022-00-66 HWY: IH 94	COUNTY: EAU CLAIRE	= N	MSCELLANEO PLOT BY:	DUS QUANTITIE:	S PLOT NAME :	PLOT SCALE : 1:1		HEET:

	PAVEMENT MARKING GRO	OOVED WET REFLECTIV	/E CONTRAST TA	NPE 4-I NCH	<u>P</u>	PAVEMENT MA	ARKING GROOVED	D WET REFLECTIVE TAPE 4-	<u>I NCH</u>	
CATEGORY	646. 084 LOCATI ON	11. S LF		REMARKS	CATEGORY L	_OCATI ON	646. 0881. S LF		REMARKS	
0010	TOTAL 0010	250 REPLACE LANE	LINES REMOVED F	OR TRAFFIC CONTROL WEST OF PROJECT	0010 U	H 94 JSH 53 OTAL 0010	250 500 750	REPLACE LANE LINES REMOVE REPLACE LANE LINES REMOVE		
CATEGORY	STATION TO STATION	PAVEMENT MARKING	GROOVED WET 646. 2304. S LF	REFLECTIVE EPOXY 4-INCH REMARKS	CATEGO			ROOVED WET REFLECTIVE EP	0XY 8-INCH 646. 2308. S LF	REMARKS
0010 0010 0010 0010 0010 0010	534' EB' +10 - 604' EB' +00 533' WB' +90 - 604' WB' +10 546' SW' +00 - 565' SW' +15 97' SL' +00 - 113' SL' +00 552' SC' +00 - 584' SC' +00 549' NW' +00 - 563' NW' +70 58' NL' +00 - 66' NL' +65	IH 94 EASTBOUND IH 94 WESTBOUND SW RAMP SW LOOP S. COLLECTOR RD. NW RAMP NW LOOP	12780 12990 2805 2950 5100 2490 1480	EDGELINES (6990 YELLOW, 5790 WHITE) EDGELINES (7020 YELLOW, 5970 WHITE) EDGELINES (890 YELLO, 1915 WHITE) EDGELINES (1350 YELLOW, 1600 WHITE) EDGELINES (3200 YELLOW, 1900 WHITE) EDGELINES (1020 YELLOW, 1470 WHITE) EDGELINES (615 YELLOW, 865 WHITE)	0010 0010 0010 0010 0010	S. COL S. COL S. COL S. COL S. COL S. COL	EB & SW RAMP GO .LECTOR RD. & SW .LECTOR RD. LANE .LECTOR RD. & SE .LECTOR RD. & SE EB & SE RAMP GO	V RAMP GORE V LOOP GORE E LI NE E LOOP GORE E RAMP GORE	600 600 400 188 400 600 1800	3' LINE, 9' GAP
0010 0010 0010 0010	553' NC' +50 - 577' NC' +00 573' SE' +30 - 594' SE' +00 120' SL' +00 - 133' SL' +55 556' NE' +90 - 589' NE' +00	N. COLLECTOR RD. SE RAMP SE LOOP NE RAMP	3750 2940 2485 5670	EDGELI NES (1900 YELLOW, 1850 WHITE) EDGELI NES (870 YELLOW, 2070 WHITE) EDGELI NES (YELLOW, WHITE) EDGELI NES (2460 YELLOW, 3210 WHITE)	0010 0010 0010 0010) IH 94 N. COL) N. COL) N. COL	WB & NE RAMP GO LECTOR RD. & NE LECTOR RD. & NW	ORE E LOOP GORE V LOOP GORE E RAMP GORE	500 400 600 500	21 LINE OF CAD
0010 0010 0010	44' NL' +00 - 54' NL' +00 534' EB' +10 - 604' EB' +00 533' WB' +90 - 604' WB' +10	NE LOOP IH 94 EASTBOUND IH 94 WESTBOUND TOTAL 0010	1850 1748 1755 60793	EDGELINES (850 YELLOW, 1000 WHITE) LANE LINES (WHITE) LANE LINES (WHITE)	0010 0010		LECTOR RD. & TH	H 94 WB GORE AND LANE LINE V RAMP GORE TOTAL 0010	1538 800 —————————————————————————————————	3' LINE, 9' GAP
PROJECT	NO: 1022-00-66	HWY: IH 94		COUNTY: EAU CLAIRE	MISCEL	LANEOUS QI	UANTITIES		S	SHEET:

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

		TEMPORARY PAVEMENT MARKI				TEMPORARY PAVEMENT MARKI		<u>E TAPE 4-INCH</u>
	CATECORY CTATION TO STATION	LOCATION	649. 0100	CATECODY	CTATION TO CTATION	LOCATION	649. 0400	DEMARKS
3	CATEGORY STATION TO STATION 0010	USH 53 TEMP. INTERSECTIONS TOTAL 0010	400 400	0010 0010 0010 0010 0010 0010	STATION TO STATION	PROJECT PROJECT PROJECT PROJECT PROJECT PROJECT	1300 9400 0	REMARKS STAGE 1 STAGE 2 STAGE 3 STAGE 4 STAGE 5
						TOTAL 0010	13600	
						SAWING CONCRETE		
		CONSTRUCTION STAKING CURB	GUTTER AND CURB & GUTTER	CATEGORY	STATION TO STATION	LOCATI ON	690. 0250 LF	
	CATEGORY STATION TO STATION 0010	USH 53 MEDIAN (SE RAMP) TOTAL 0010	0. 5500 LF REMARKS 145 145	0010 0010 0010 0010 0010 0010 0010	534' EB' +10 - 604' EB' +00 533' WB' +90 - 604' WB' +10 546' SW' +00 - 555' SW' +50 108' SL' +45 - 113' SL' +00 556' SC' +50 - 583' SC' +50 543' NW' +75 - 555' NW' +60 59' NL' +00 - 61' NL' +40 552' NC' +00 - 572' NC' +00	IH 94 EASTBOUND IH 94 WESTBOUND SOUTHWEST RAMP SOUTHWEST LOOP SOUTH COLLECTOR ROAD NORTHWEST RAMP NORTHWEST LOOP NORTH COLLECTOR ROAD	2222 4380 675 365 3304 121 121	
	CATEGORY STATION TO STATION	CONSTRUCTION STAKING RESI	JRFACING REFERENCE 650.8000 LF REMARKS	0010 0010 0010 0010 0010 0010 0010	576' SE' +95 - 593' SE' +00 120' SL' +50 - 123' SL' +50 579' NE' +50 - 585' NE' +60 51' NL' +75 - 54' NL' +00 599' EB' +03 - 601' EB' +00 599' WB' +13 - 601' WB+10	SOUTHEAST RAMP SOUTHEAST LOOP	856 365 425 92 166 141 145	BRI DGE APPROACH SLABS BRI DGE APPROACH SLABS
	0010 534' EB' +10 - 604' EB' +00 0010 533' WB' +90 - 604' WB' +10 0010 543' NW' +75 - 563' NW' +70 0010 59' NL' +00 - 66' NL' +65 0010 552' NC' +00 - 577' NC' +20 0010 556' NE' +90 - 585' NE' +60	IH 94 EASTBOUND IH 94 WESTBOUND NORTHWEST RAMP NORTHWEST LOOP NORTH COLLECTOR ROAD NORTHEAST RAMP	6990 7020 1995 765 2520			TOTAL 0010	13501	
	0010	NORTHEAST LOOP SOUTHWEST RAMP SOUTHWEST LOOP SOUTH COLLECTOR ROAD SOUTHEAST RAMP SOUTHEAST LOOP TOTAL 0010	1000 1915 1600 2700 1960 1305					
	PROJECT NO: 1022-00-66	HWY: IH 94	COUNTY: EAU CLAIRE		MISCELLANEOUS QUANTITIE		CALE : 1:1	SHEET: E

FILE NAME : _____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

<u>. </u>	CATEGORY STA	TION TO STATION	I LOCATI ON	SPV. 0105. 01 LS	REMARKS	COMMON/CUT*** CY***	BORROW/FI LL*** CY***	TOPSOI L*** MULCH*** SY***	FERTI LI ZER*** CWT***	NO. 30*** SEED*** LB***	TEMPORARY*** SEED*** LB***
	0010		USH 53 MEDIAN & SW RAMP	1		189	65	495	0. 31	9. 00	13. 40
			TOTAL 0010	1		*** FOR INFORMAT	TION ONLY; ITEM QUANT	TITIES ARE INCID	DENTAL TO ITEM. IN	ICLUDES CONSTRUC	CTION & REMOVAL.
			GRADING, SHAPING, AND F	INISHING TO (CONSTRUCT /	AND REMOVE TEMPO	RARY INTERSECTION	(USH 53 MEDIA	.N & SE RAMP)		
CA	ATEGORY STATI	ON TO STATION	LOCATI ON	SPV. 0105. 02 LS	REMARKS	COMMON/CUT*** CY***	BORROW/FILL*** CY***	TOPSOI L*** MULCH*** SY***	FERTI LI ZER*** CWT***	NO. 30*** SEED*** LB***	TEMPORARY*** SEED*** LB***
<u></u>	0010		USH 53 MEDIAN & SE RAMP	1		201	83	498	0. 31		13. 50
			TOTAL 0010	1		*** FOR INFORMATI	ON ONLY; ITEM QUANTI	TIES ARE INCIDE	ENTAL TO ITEM. INC	CLUDES CONSTRUC	TION & REMOVAL.
		PORT	ABLE CHANGEABLE MESSAGE SI	GN (PCMS) CEL	LULAR COMM		,			AD REMOVAL	
			SPV. 0045. (01							
CATEGORY	STATION TO	STATION LOCAT		AY	REMARKS		<u>CATEGORY</u>	STATION TO STA	TION LOCATION	l .	SPV. 0090. 01 LF REMARK
0010 0010 0010 0010		IH 94 IH 94 USH 5 USH 5	! WB 10 33 NB 8	60 60 80 80			0010 118	SL' +18 - 113' SL' +85 - 119' NL' +36 - 54'	SL' +35 SOUTHEAS	ST LOOP, RT. ST LOOP, RT. ST LOOP, RT.	16 50 66
			TOTAL 0010 48	 30						TOTAL 0010	132
			CONCRETE PAVEMENT REPAIR I	DOWELED SPECI	AL			CON	CRETE PAVEMENT R	EPLACEMENT DO	WELED SPECIAL
CATEGORY	STATION TO) STATION	S LOCATI ON	PV. 0180. 01 SY	REMARKS	_CATEGORY	STATION TO ST	ATI ON LOCA	ATI ON	SPV. 0180. 02 SY	REMARKS
0010 0010 0010 0010 0010	534' EB' +10 - 533' WB' +90 - 546' SW' +00 - 108' SL' +45 - 556' SC' +50 -	604' EB' +00 604' WB' +10 555' SW' +50 113' SL' +00	IH 94 EASTBOUND IH 94 WESTBOUND SOUTHWEST RAMP SOUTHWEST LOOP SOUTH COLLECTOR ROAD	509 1132 66 11 242		0010 0010 0010 0010 0010	534' EB' +10 - 604 533' WB' +90 - 604 546' SW' +00 - 555 108' SL' +45 - 113 556' SC' +50 - 583	'WB' +10	94 EASTBOUND 94 WESTBOUND THWEST RAMP THWEST LOOP TH COLLECTOR ROAD	394 1066 211 156 1797	
0010 0010 0010 0010 0010	59' NL' +00 - 552' NC' +00 - 576' SE' +95 - 120' SL' +50 - 579' NE' +50 -	61' NL' +40 572' NC' +00 593' SE' +00 123' SL' +50	NORTHWEST LOOP NORTH COLLECTOR ROAD SOUTHEAST RAMP SOUTHEAST LOOP NORTHEAST RAMP	28 11 121 11 83		0010 0010 0010 0010 0010	543' NW' +75 - 555 59' NL' +00 - 61' 552' NC' +00 - 572 576' SE' +95 - 593 120' SL' +50 - 123	NL' +40 NORT ' NC' +00 NORT ' SE' +00 SOUT	THWEST RAMP THWEST LOOP TH COLLECTOR ROAD THEAST RAMP THEAST LOOP	74 12 36 146 156	
0010	51' NL' +75 -	54' NL' +00	NORTHEAST LOOP TOTAL 0010	22 2236		0010	579' NE' +50 - 585	'NE' +60 NORT	THEAST RAMP TOTAL 0010	48	

	TRAFFIC CONTROL SURVEILL	ANCE AND MAINTENANCE (PRO.	JECT 1022-00-66 <u>)</u>	
CATEGORY STATION TO STATI		643. 0200 DAY REMARK 80 80	S	
	TRAFFIC CONTROL SURVEI	LLANCE AND MAINTENANCE (PR	ROJECT 1022-00-80)	
CATEGORY STATION TO STA	TI ON LOCATI ON PROJECT 1022-00-80	643. 0200 DAY REMA	irks	
	TOTAL 0010	80		

3

TYPE I PERMANENT SIGNS

				635.0300												
				Sign	***											
				Supports												
				Replacing	638.2601						637.1220					
				Base	Removing				New	New	Signs					
H 94	Existing		Existing	Connection	Signs	New		New	Sign	Sign	Type I					
Mile	Sign		Sign	Bolts	Type I	Sign		Sign	Size	Size	Reflective SH					
Marker	Code	Existing Sign Description	Position	(Each)	(Each)	Code	New Sign Description	Position	Width	Height	(SF)	Order -Line 1	Order -Line 2	Order -Line 3	Order -Line 4	Notes
B 70.13 mi	E1-5P	Exit number panel for guide signs	Right	1	1	E1-5P	Exit number panel for guide signs	Right	108.00	30.00	22.50	70				See Sign Detail; Exist. Sign Size 108" x 24"
B 70.13 mi	E4-1A	Exit direction sign with arrow	Right	-	-	E4-1A	Exit direction sign with arrow	Right	240.00	132.00	220.00	53	Brackett	Eau Claire		See Sign Detail; Exist. Sign Size 240" x 132'
B 70.31 mi	E6-51	Exit gore sign (overhead)	Right/Ramp	-	1	E6-51	Exit gore sign (overhead)	Right/Ramp	168.00	126.00	147.00	53	North	Eau Claire		See Sign Detail; Exist. Sign Size 168" x 126'
B 70.31 mi	E6-51	Exit gore sign (overhead)	Right/Ramp	-	-	E6-51	Exit gore sign (overhead)	Right/Ramp	156.00	126.00	136.50	53	South	Brackett		See Sign Detail; Exist. Sign Size 156" x 126"
B 70.63 mi	E6-1	Exit gore sign (overhead)	Right/Ramp	-	1	E6-1	Exit gore sign (overhead)	Right/Ramp	204.00	90.00	127.50	53	North	Eau Claire		See Sign Detail; Exist. Sign Size 168" x 126'
VB 61.19 mi		Exit gore sign (overhead)	rugin	-	1	E6-51	Exit gore sign (overhead)	·g			170.00	94	St. Paul			See Sign Detail; Exist. Sign Size 204" x 126
VB 61.19 mi	E1-5P	Exit number panel for guide signs	Right	-	-	E1-5P	Exit number panel for guide signs	Right	108.00	30.00	22.50	70				See Sign Detail; Exist. Sign Size 108" x 24"
VB 61.19 mi	E6-1	Exit gore sign (overhead)	Right	-	-	E6-1	Exit gore sign (overhead)	·g		120.00	170.00	53	Eau Claire	Superior		See Sign Detail; Exist. Sign Size 264" x 120'
VB 61.35 mi	E6-1	Exit gore sign (overhead)	Right/Ramp	-	1	E6-1	Exit gore sign (overhead)	Right/Ramp	192.00	60.00	80.00	53	South			See Sign Detail; Exist. Sign Size 192" x 66"
VB 61.35 mi	E6-51	Exit gore sign (overhead)	Right/Ramp	-	-	E6-51	Exit gore sign (overhead)	Right/Ramp	168.00	156.00	182.00	53	North	Eau Claire	Superior	See Sign Detail; Exist. Sign Size 228" x 150"
VB 61.41 mi	E1-5P	Exit number panel for guide signs	Right/Ramp	1	1	E1-5P	Exit number panel for guide signs	Right/Ramp	108.00	30.00	22.50	85				See Sign Detail; Exist. Sign Size 108" x 24"
VB 61.41 mi	E1-1A	Advance exit guide sign, mile	Right/Ramp	-	-	E1-1A	Advance exit guide sign, mile	Right/Ramp	156.00	120.00	130.00	AA	Golf Rd.	1/2 Mile		See Sign Detail; Exist. Sign Size 168" x 120"
		Project	Totale	2	6						1430.50					

*** Note: Existing signs that are mounted on the same sign support(s) are all counted as one removal; Not as multiple removals for each individual sign.

PROJECT NO: 1022-00-66 HWY: IH 94 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME: \\dotdtidn\n4public\Bhc\EPlans\save\misc_q_border.ppt PLOT BY: DOTKYK PLOT NAME: _____ PLOT SCALE: 1:1

TYPE II PERMANENT SIGNS

94	Existing		Existing	638.2602 Removing Signs		New		New			637.2210 Signs Type II	Signs Type II Reflective H	637.2230 Signs Type II	634.0616 Posts Wood 4x6 - Inch	634.0618 Posts Wood 4x6 - Inch		
e	Sign		Sign			Sign		Sign			Reflective I		Reflective		x 18 - Ft.		
ker		Existing Sign Description	Position	(Each)	(Each)	Code	New Sign Description	Position	Width	Height	(SF)	(SF)	(SF)	Each	Each	Order -Line 1	Notes
04	14/40.0	E ' O I MPII	D'. Li			14/40 0	E WO I MPU	D'. L	40.00	00.00			00.00				
24 mi 28 mi		Exit Speed_MPH Exit Number 1-4 digits (w/ arrow)	Right/Gore		2	W13-2 E5-1A	Exit Speed_MPH Exit Number 1-4 digits (w/ arrow)	Right Right		60.00	30.00	-	20.00	2	-	35 70	
.31 mi	MB4-1	Alternate	Right/Ramp		1	JV-F	Route Assembly (Folding Sign)	Right/Ramp	36.00	81.00	-	20.25	-	1	-	Alternate 94 [TR]	
.31 mi	MB3-2	Cardinal Direction Marker	Right/Ramp	-	-	-	-	-	-	-	-	-	-	-	-		
.31 mi		Interstate Shield	Right/Ramp			-	-	-	-	-	-	-	-	-	-		
).31 mi).34 mi		Arrow Tilt Right or Left One Destination (Arrow)	Right/Ramp Right/Ramp			- D1-1	- One Destination (Arrow)	- Right/Ramp	144.00	21.00	21.00	-	-	2	-	Ctata Datrol Udara (TD)	See Sign Detail
0.34 mi	-	-	-	-		W1-6	Night Arrow (Single)	Right/Ramp		24.00	-	-	8.00	1	-	State Patrol Hdqrs [TR]	New Sign
).36 mi	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	1	2	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	36.00	36.00	-	-	9.00	1	-		
0.36 mi		Thru Traffic Merge Left Symbol	. ug.u. ramp		2	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	36.00	36.00	-	-	9.00	1	-		
0.43 mi 0.49 mi		East 94 Use Left Lane Exit Speed_MPH			2	SPECIAL	East 94 Use Left Lane Exit Speed_MPH_Pretzel	Right/Ramp Right/Ramp	48.00 48.00	90.00	30.00	-	30.00	2	-	25	See Sign Detail
0.49 mi		Route Turn Assembly (1 Headed Route)	Right/Ramp Right/Ramp		2	W13-2B J2-1	Route Turn Assembly (1 Headed Route)	Right/Ramp			21.00	-	-	2	-	35 South 53 [RT]	Relocate As Shown On Plan
		Stop Ahead	Right/Ramp		2	W3-1	Stop Ahead	Right/Ramp	36.00	36.00	-	-	9.00	1	-	Count of [ttt]	Relocate As Shown On Plan
		Wrong Way	Right/Ramp	<u> </u>	1	R5-1A	Wrong Way	Right/Ramp	42.00		8.75	-	-	1	-		
	R5-1A	Wrong Way	Right/Ramp		1	R5-1A	Wrong Way	Right/Ramp			8.75	-	-	1	-		
).39 mi).40 mi		Do Not Enter Stop	Right/Ramp Right/Ramp		1	R5-1 R1-1	Do Not Enter Stop	Right/Ramp Right/Ramp	48.00 36.00	48.00 36.00	16.00 7.46	-	-	1	-		
		Stop	Right/Ramp		1	R1-1	Stop	Right/Ramp	36.00		7.46	-	-	1	-		
		Junction or End Assembly	Right/Ramp	1	2	J1-1	Junction or End Assembly	Right/Ramp		51.00	12.75	-	-	-	2	Alternate 94	
		Directional Assembly (1 Headed Route)	Right/Ramp	-	-	J3-1	Directional Assembly (1 Headed Route)	Right/Ramp	36.00		21.00	-	-	-	-	South 53 [RA]	Mount With J1-1
		No Left Turn	Right/Ramp		1	R3-2	No Left Turn	Right/Ramp	48.00	48.00	16.00	-	-	1	-		
		One Way Pedestrians, Etc. Prohibitied	Right/Ramp Right/Ramp	<u> </u>	1	R6-2R R5-57	One Way Pedestrians, Etc. Prohibitied	Right/Ramp Right/Ramp	36.00 36.00	48.00 36.00	12.00 9.00	-	-	1	-		
		Exit (Arrow)		•	2	E5-1	Exit (Arrow)	Right/Ramp			30.00	-	-	2	-		
0.68 mi	-	-	-		-	W1-6	Night Arrow (Single)	Right/Ramp	60.00	30.00	-	-	12.50	1	-		New Sign
		Thru Traffic Merge Left Symbol	Right/Ramp		2	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	36.00	36.00	-	-	9.00	1	-		
70.76 mi		Milepost Marker (2 Digit)	Right/Ramp	1	1	D10-2	Milepost Marker (2 Digit)	Right/Ramp	12.00		3.00	-	-	1	-	71	
70.87 mi 71.15 mi		Thru Traffic Merge Left Symbol Bridge Hash Marks	Right Median		1	W4-1R W5-52L	Thru Traffic Merge Left Symbol Bridge Hash Marks	Right Median	48.00 18.00	48.00 54.00	-	-	16.00 6.75	1	-		
		Bridge Hash Marks	Right		1	W5-52R	Bridge Hash Marks	Right	18.00	54.00	-	-	6.75	1	-		
71.23 mi		No U-Turn Symbol (w/R3-4A message)	Median	1	-	R3-4B	No U-Turn Symbol (w/R3-4A message)	Median	36.00	48.00	12.00	-	-	-	-		Mount on Back of EB R3-4B; Existing Post
0.93 mi	W5-52L	Bridge Hash Marks	Median	1	1	W5-52L	Bridge Hash Marks	Median	18.00	54.00	T_	-	6.75	1	-		
	W5-52L W5-52R	Bridge Hash Marks	Right		1	W5-52L W5-52R	Bridge Hash Marks	Right	18.00	54.00	-	-	6.75	1	-		
	E5-1A	Exit Number 1-4 digits (w/ arrow)	Right/Gore		2	E5-1A	Exit Number 1-4 digits (w/ arrow)	Right	72.00		30.00	-	-	2	-	70	
	D10-2	Milepost Marker (2 Digit)	Right	1	1	D10-2	Milepost Marker (2 Digit)	Right	12.00	36.00	3.00	-	-	1	-	71	
1.35 mi	MB4-1	Alternate	Right/Ramp	1	1	JV-F	Route Assembly (Folding Sign)	Right/Ramp	36.00	81.00	-	20.25	-	1	-	Alternate 94 [UA]	
1.35 mi		Interstate Shield	Right/Ramp	-	-	-	-	-	-	-	-	-	-	-	-		
1.35 mi	MB6-1	Arrow Ahead or Right or Left	Right/Ramp	-	2	- D1 2	Two Destinations (Arrow)	- Dight/Domn	102.00	-	- 25 50	-	-	2	-	Otata Data IIII a ITI	Con Cian Datail
.38 mi .41 mi		Two Destinations (Arrow) Thru Traffic Merge Left Symbol	Right/Ramp Right/Ramp	1	2	D1-2 W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp Right/Ramp		36.00	25.50	-	9.00	1	-	State Patrol Hdqrs [TL]	See Sign Detail
	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	1	2	W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp		36.00	-	-	9.00	1	-		
1.49 mi	W13-2	Exit Speed_MPH	Right/Ramp	1	2	W13-2B	Exit Speed_MPH_Pretzel	Right/Ramp	48.00	90.00	-	-	30.00	2	-	25	
1.51 mi	-	-	-	-	-	W1-6	Night Arrow (Single)	Right/Ramp	48.00	24.00	-	-	8.00	1	-		New Sign
1.64 mi	W4-3R	Merge Added Lane From Right	Right/Ramp		2	W4-3R	Merge Added Lane From Right	Right/Ramp	48.00	48.00	-	-	16.00	2	-		
1.65 mi		South 53 Tilt Right Arrow	Right/Ramp	1	2	SPECIAL	South 53 Tilt Right Arrow	Right/Ramp	96.00		76.00	-	-	2	-		See Sign Detail
1.66 mi 1.67 mi	W3-1	Stop Ahead	Right/Ramp	1	1	W3-1 W1-8	Stop Ahead Chevron	Right/Ramp Right/Ramp	36.00 18.00	36.00 24.00	-	-	9.00	1	-		Relocate As Shown On Plan New Sign
1.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp		24.00	-	-	3.00	1	-		New Sign
1.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp	18.00	24.00	-	-	3.00	1	-		New Sign
.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp		24.00	-	-	3.00	1	-		New Sign
.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp	18.00	24.00	-	-	3.00	1	-		New Sign
.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp	18.00	24.00	-	-	3.00	1	-		New Sign
.67 mi	-	-	-	-	-	W1-8	Chevron	Right/Ramp	18.00	24.00	-	-	3.00	1	-		New Sign
.67 mi	- W4-1R	Thru Traffic Merge Left Symbol	- Right/Ramp	1	2	W1-8 W4-1R	Chevron Thru Traffic Merge Left Symbol	Right/Ramp Right/Ramp	18.00 36.00	24.00	-	-	3.00 9.00	1	-		New Sign
1.73 mi 1.73 mi	W4-1R W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	· ·	2	W4-1R W4-1R	Thru Traffic Merge Left Symbol	Right/Ramp	36.00	36.00 36.00	-	-	9.00	1	-		
	W9-2L	Lane Ends Merge Left	Right/Ramp		2	W9-2L	Lane Ends Merge Left	Right/Ramp	48.00	48.00	-	-	16.00	2	-		
2.01 mi	W9-62	This Lane Ends W/Arrow	Right	1	-	W9-62	This Lane Ends W/Arrow	Right		90.00	-	-	45.00	-	-		Mount On Existing Overhead Sign Support
2.05 mi	W4-2R	Lane Reduction Transition Symbol Rt.	Right	1	2	W4-2R	Lane Reduction Transition Symbol Rt.	Right	48.00	48.00	-	-	16.00	2	-		

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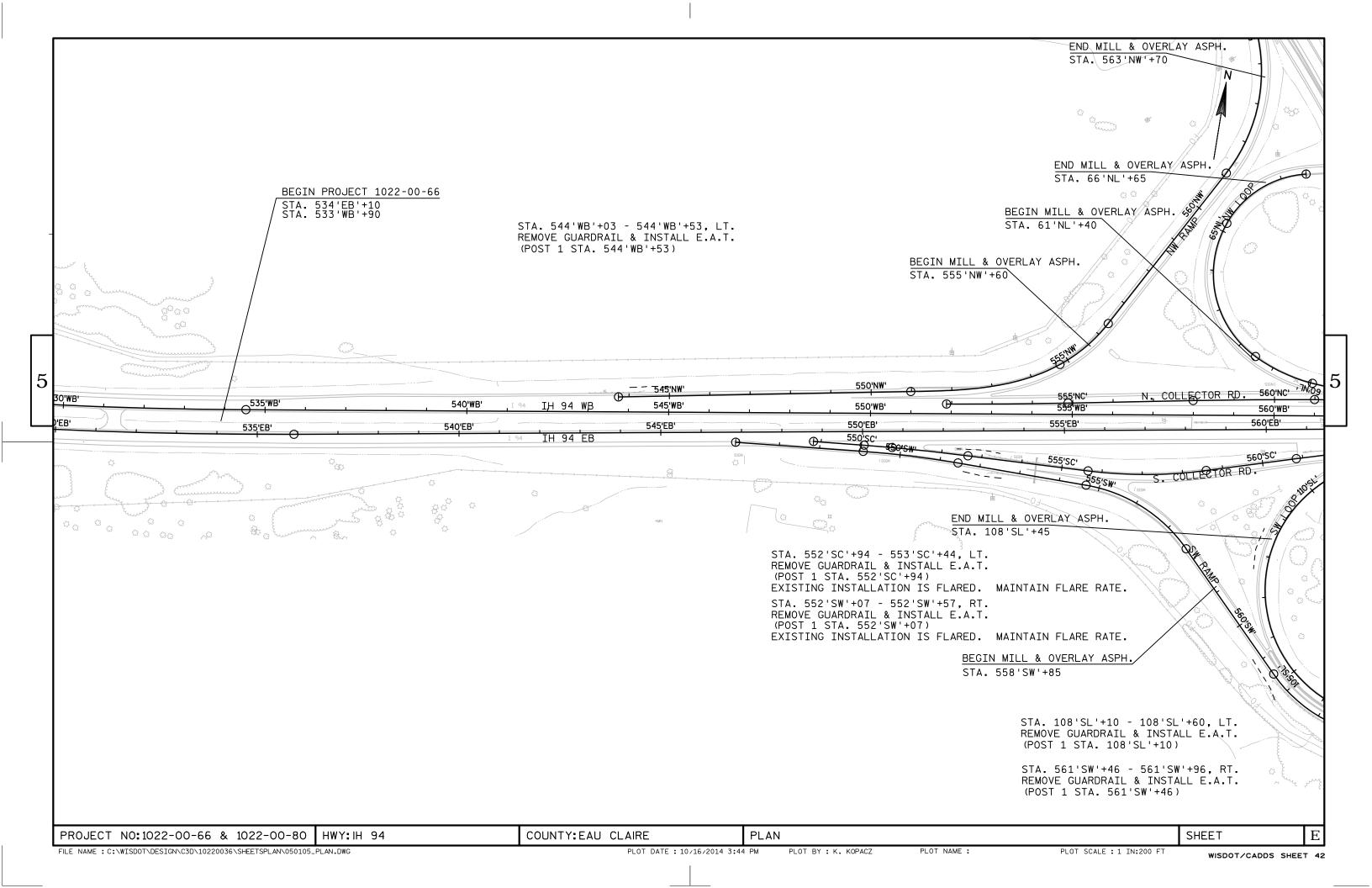
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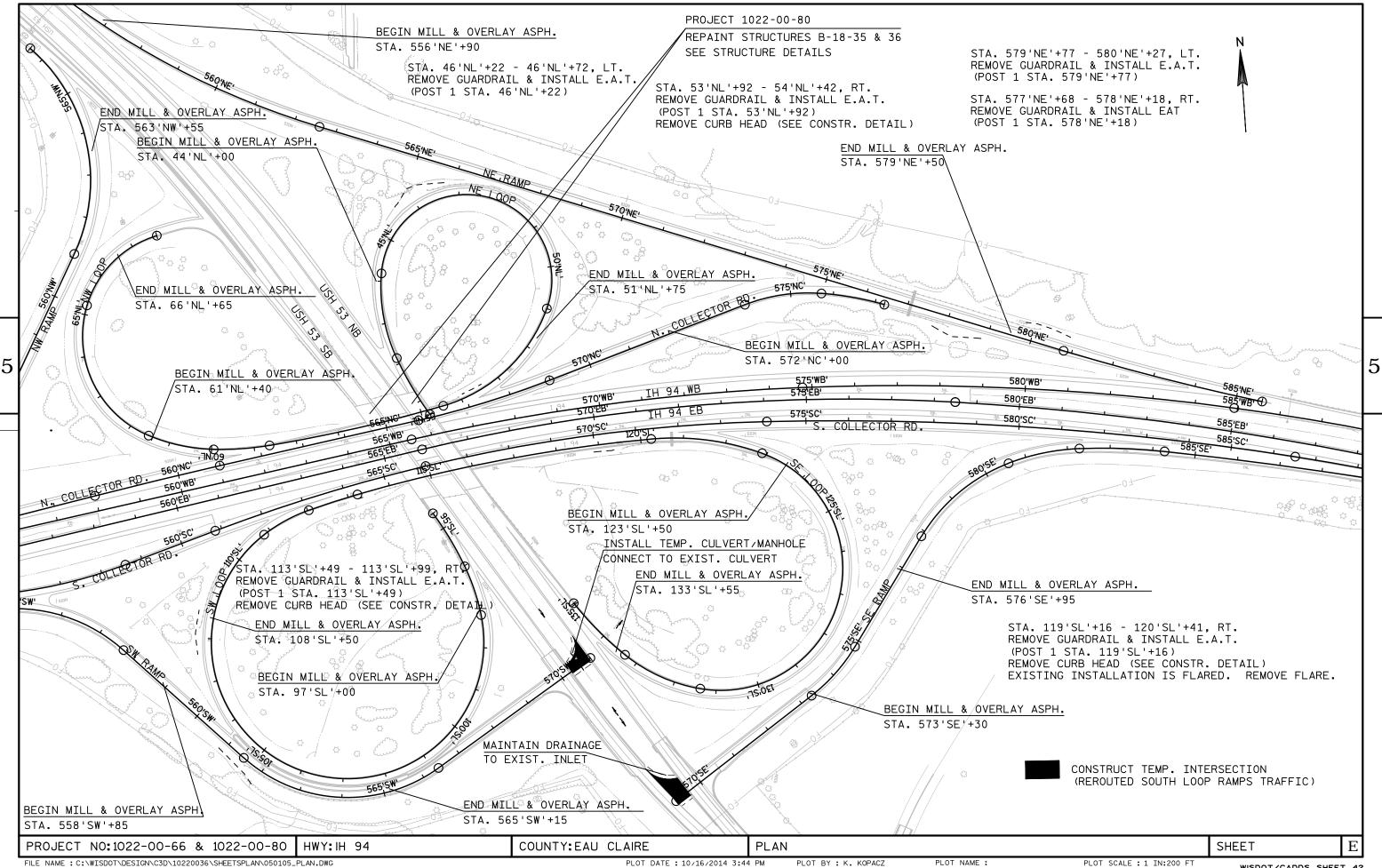
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SHEET:

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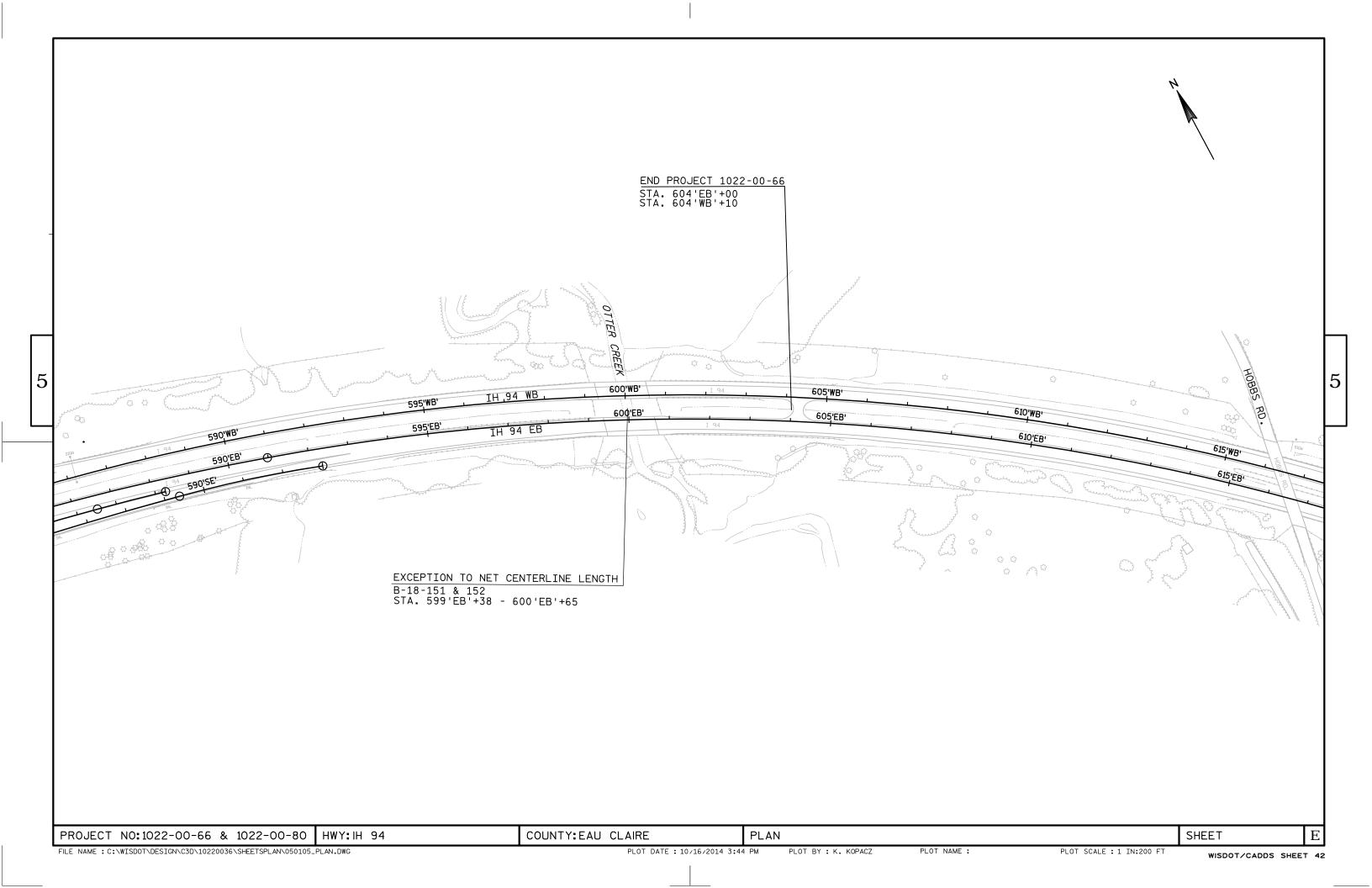
MISCELLANEOUS QUANTITIES





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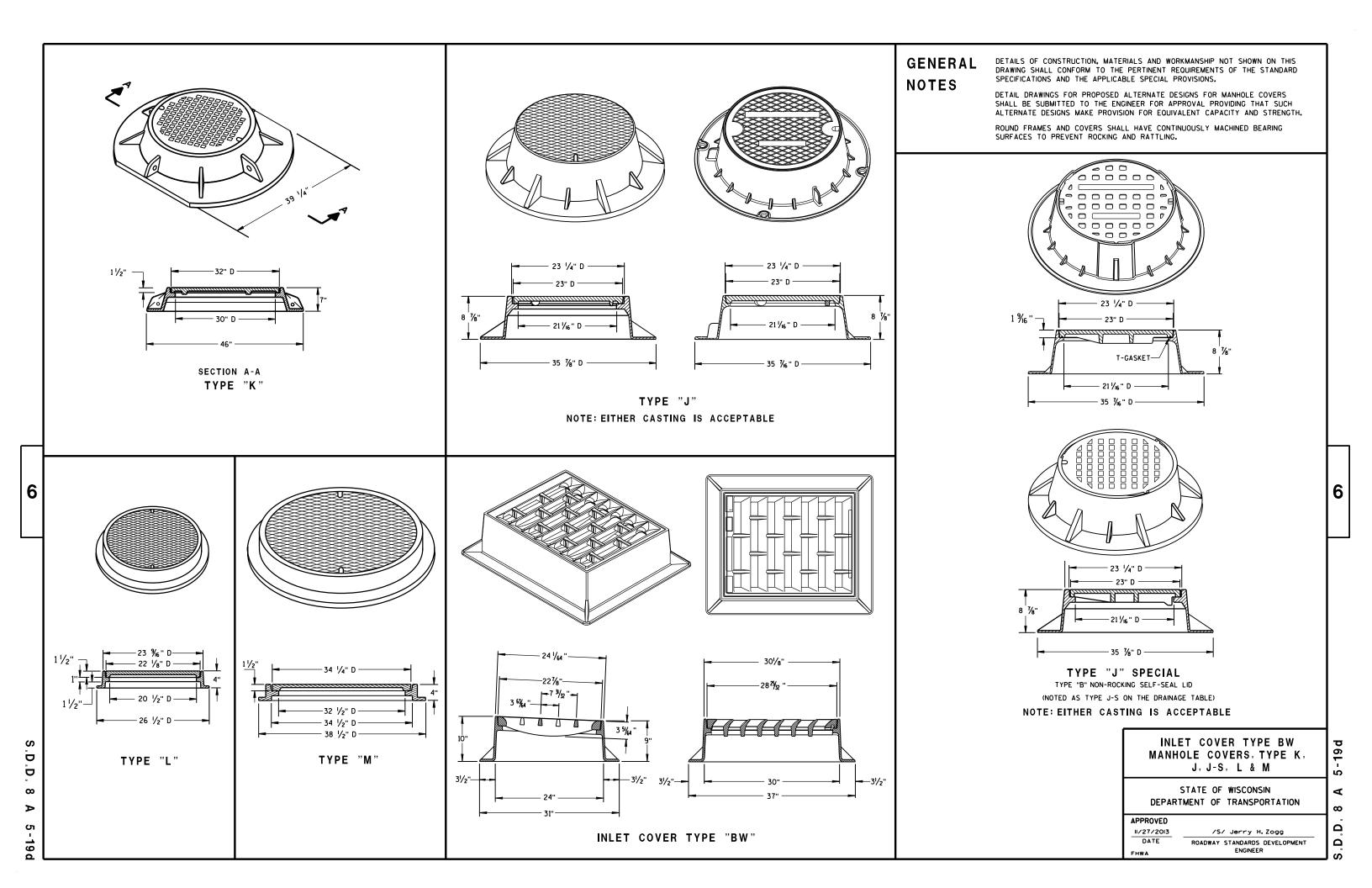
WISDOT/CADDS SHEET 42



Standard Detail Drawing List

08A05-19D 08B09-01 08D01-17 08E09-06	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES SILT FENCE
08E10-02 08F01-11	INLET PROTECTION TYPE A, B, C AND D APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13B02-07A	CONCRETE BRI DGE APPROACH
13B02-07B	STRUCTURAL APPROACH SLAB AND CONCRETE BRIDGE APPROACH
14B07-14A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G 14B07-14H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H 14B15-08A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08B	STEEL PLATE BEAM GUARD, CLASS A INSTALLATION & ELEMENTS STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08C	STEEL PLATE BEAM GUARD, CLASS A THISTALLATION & ELEMENTS STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B24-08A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15A02-08	DELINEATOR POST, DELINEATOR, AND DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A06-02	DELINEATOR LAYOUT
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C11-05	FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15D03-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D04-01	TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D12-05B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

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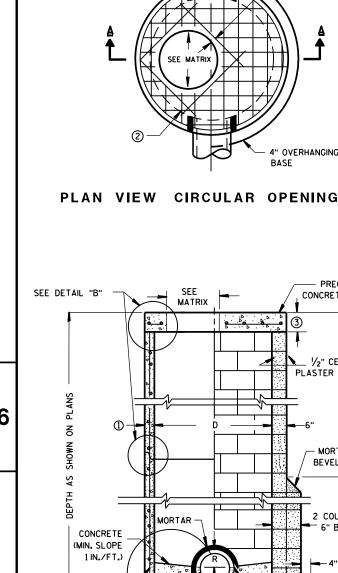






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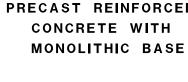
SEE

MORTAR -

MATRIX

• 4° • •

PRECAST REINFORCED — CONCRETE FLAT SLAB TOP



②-

CONTRACTOR TO PROVIDE DRAWING(S)

STAMPED BY A PROFESSIONAL ENGINEER

SEE DETAIL "A"

(I)·

PRECAST REINFORCED CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED **CONCRETE BASE 2**

2" (TYP)

" OVERHANGING

- PRECAST REINFORCED

CONCRETE FLAT SLAB TOP

1/2" CEMENT

- MORTAR

BEVEL 45°

2 COURSES 우 표

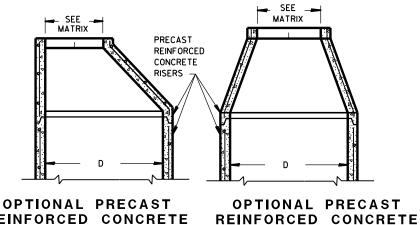
12'. EPT

6" BLOCK

4" MIN

SPLIT PIPE OR FORM CONCRETE TO FIT

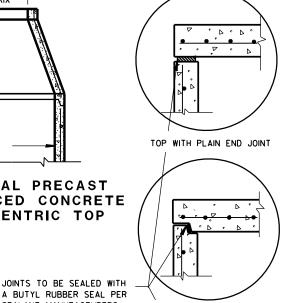
PLASTER COAT



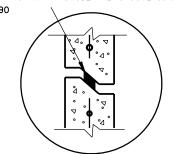
REINFORCED CONCRETE **ECCENTRIC TOP** CONCENTRIC TOP

PRECAST

WALL

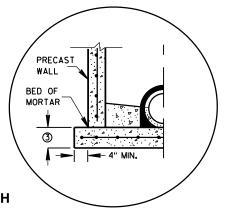


A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS TOP WITH TONGUE AND GROOVE JOINT RECOMMENDATIONS CONFORMING TO ASTM C990



RISER WITH TONGUE AND GROOVE JOINT

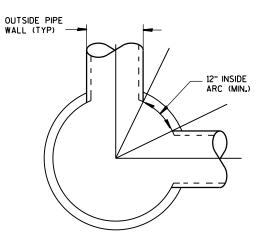
DETAIL "B"



PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION DETAIL "A"



DETAIL "C"

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

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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

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

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

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

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

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

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

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

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

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

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT. 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT. 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- (2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- (3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	С	ALL J'S	К	L	M
OPENING SIZE (FT)					
2 DIA.	х	х		х	
3 DIA.			×		Х

PIPE MATRIX

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

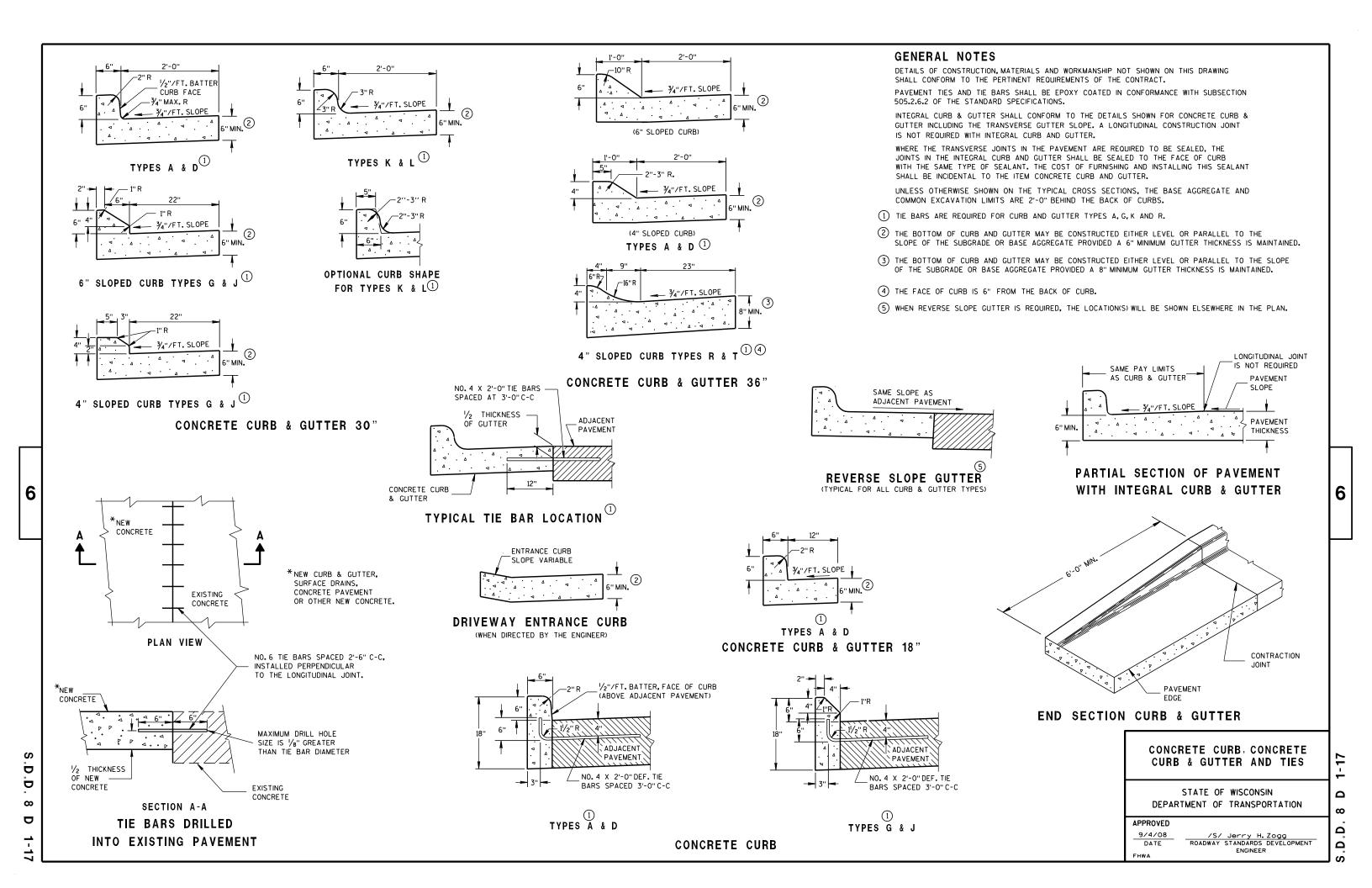
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

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



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

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D.D. 8 E 9





INLET PROTECTION, TYPE A

GENERAL NOTES

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

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

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

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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

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

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







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

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

DIMPLED BAND MAY BE USED WITH HELICALLY

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

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

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

* EXCEPT CENTER PANEL SEE GENERAL NOTES





SHOULDER

SLOPE



SIDE ELEVATION METAL ENDWALLS



**MAXIMUM





CONCRETE ENDWALLS

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

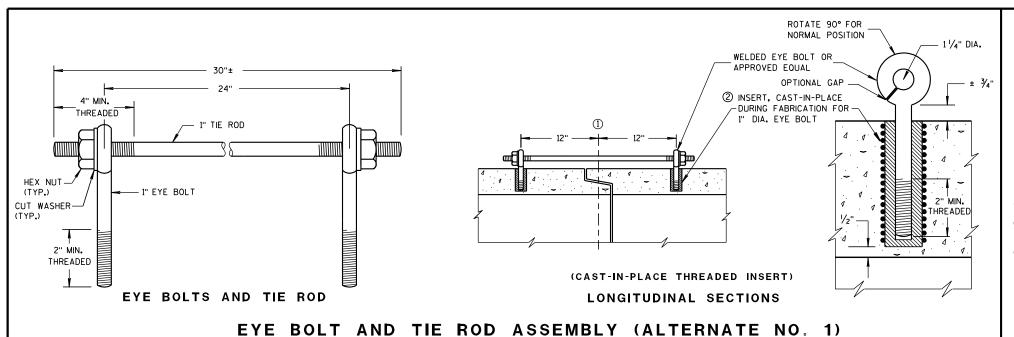
LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES.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

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

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



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



GENERAL NOTES

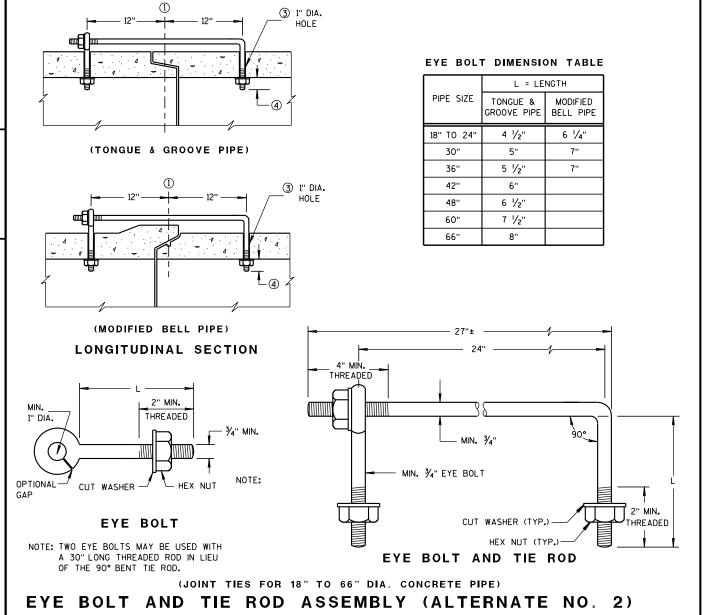
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

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

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

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

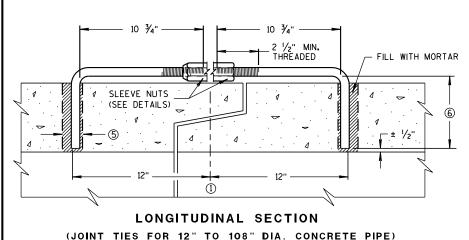


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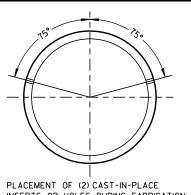
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ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS**

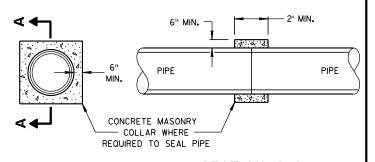


ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

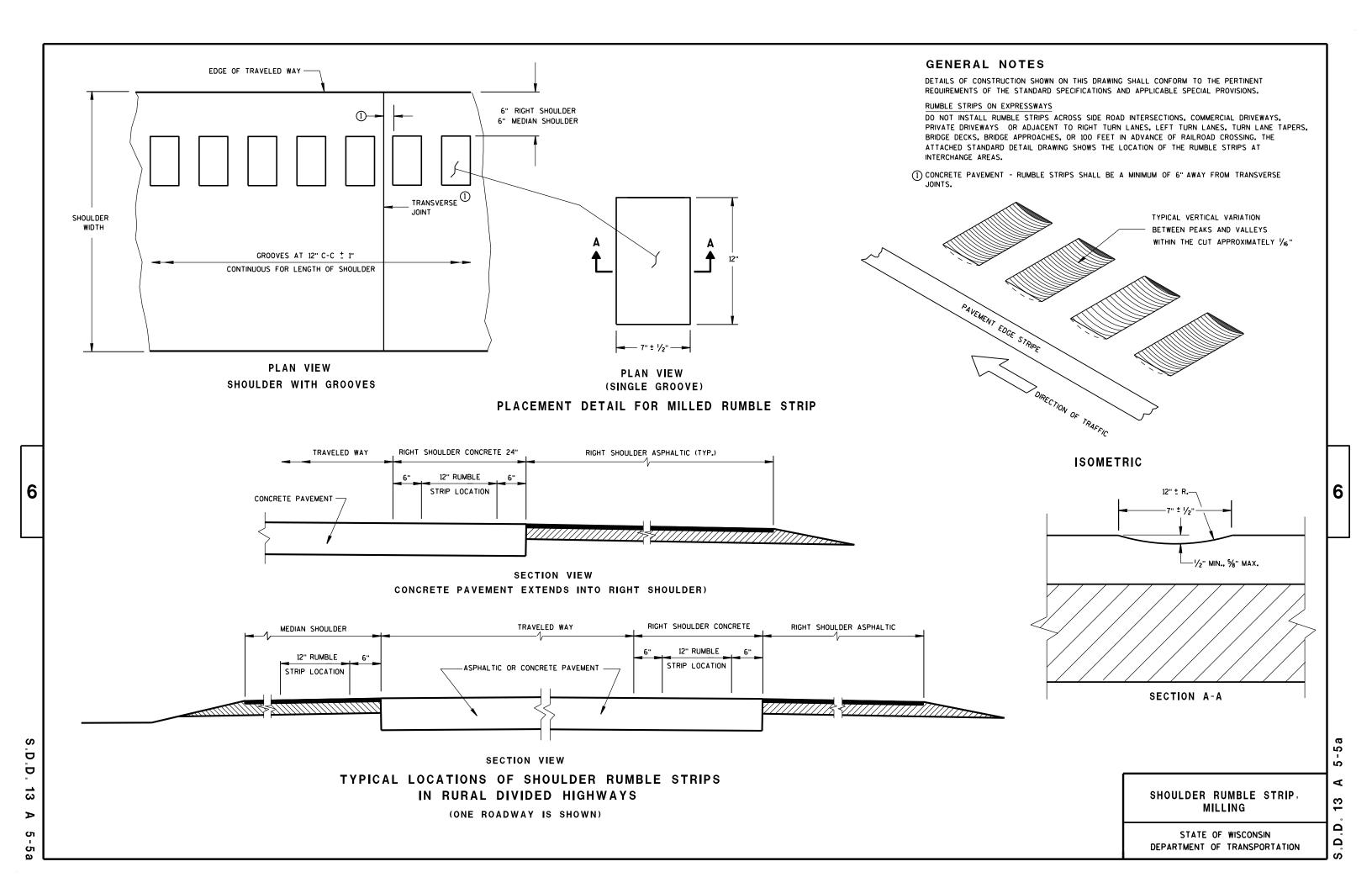
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

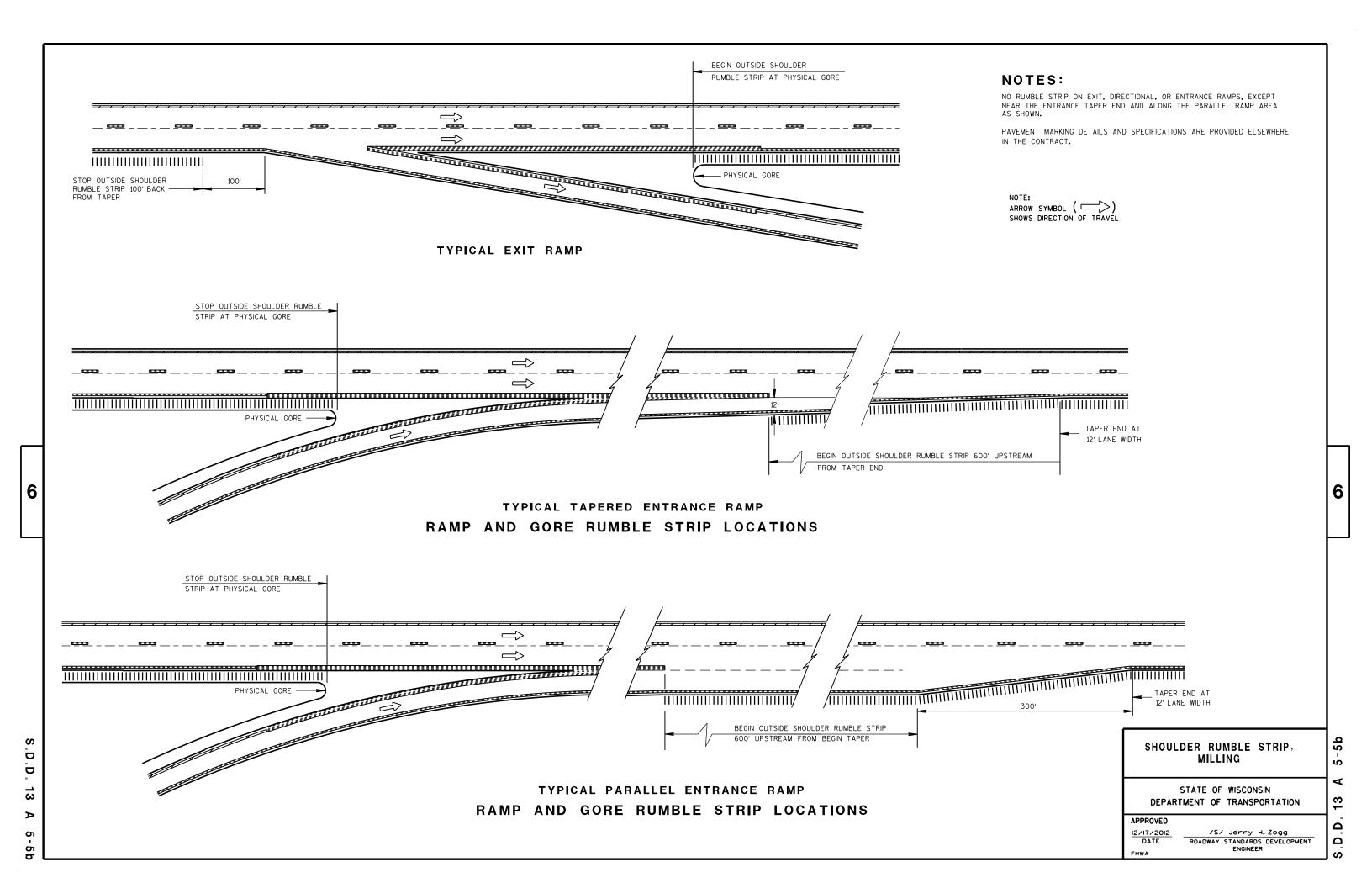
6/5/2012

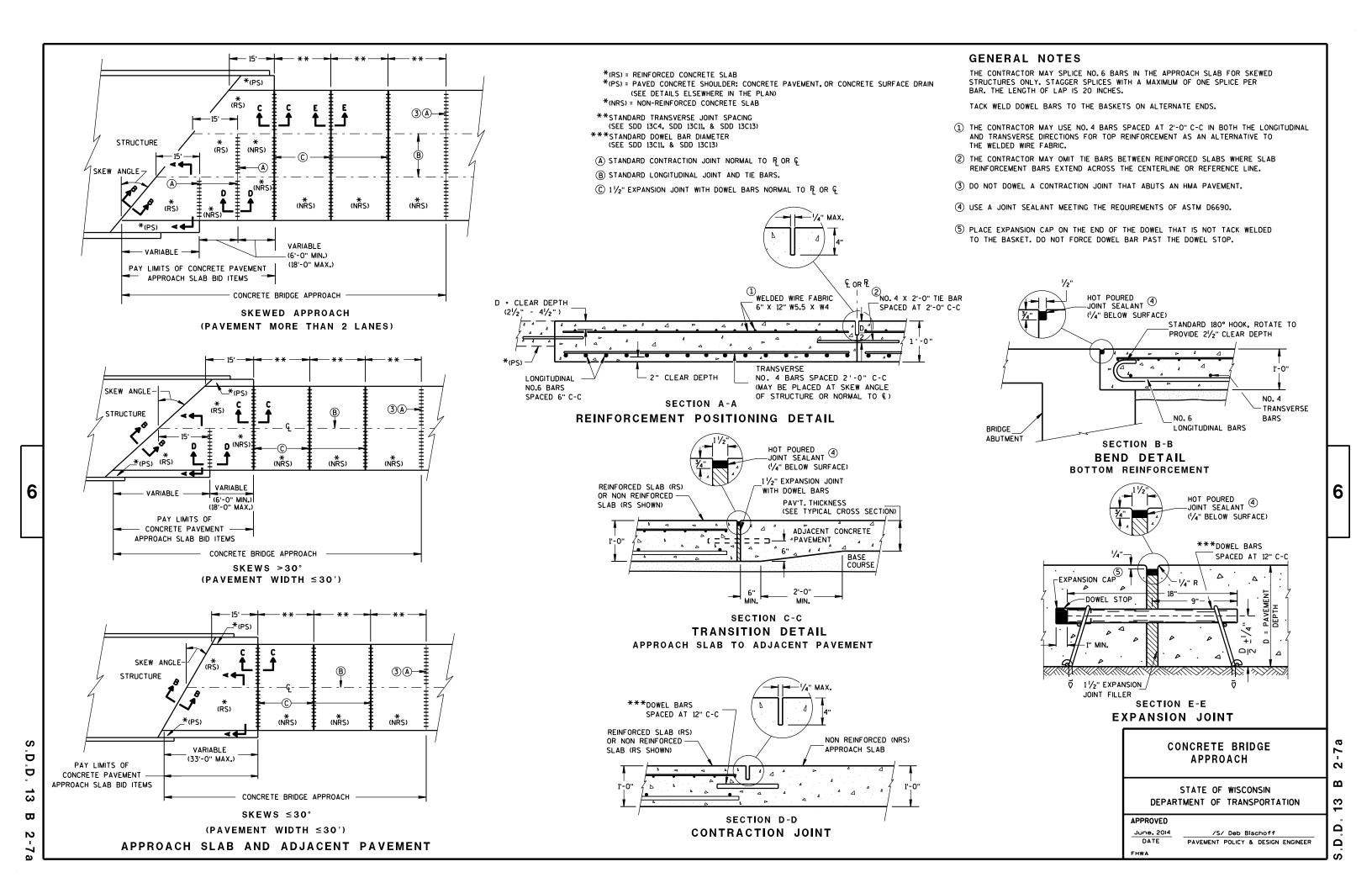
/S/ Jerry H. Zogg DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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GENERAL NOTES

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

- (1) CONFORM TO APPLICABLE BRIDGE MANUAL STANDARD DRAWINGS FOR STRUCTURAL APPROACH SLABS (SEE CHAPTER 12 - ABUTMENTS).
- (2) CONFORM TO SHEET (a) OF THIS SET FOR CONCRETE BRIDGE APPROACH DETAILS, WITH ONE EXCEPTION - WHEN CONSTRUCTING A CONCRETE BRIDGE APPROACH NEXT TO A STRUCTURAL APPROACH SLAB, AS SHOWN IN THE DETAIL DRAWING, THE CONCRETE BRIDGE APPROACH WILL ONLY HAVE TWO EXPANSION JOINTS: THE THIRD EXPANSION JOINT IS AT THE END OF THE STRUCTURAL APPROACH SLAB.
- 3 DO NOT DOWEL A CONTRACTION JOINT THAT ABUTS AN HMA PAVEMENT.
 - *(NRS) = NON-REINFORCED CONCRETE SLAB
 - **STANDARD TRANSVERSE JOINT SPACING (SEE SDD 13C4, SDD 13C11, & SDD 13C13)
 - A STANDARD CONTRACTION JOINT NORMAL TO R OR &
 - (B) STANDARD LONGITUDINAL JOINT AND TIE BARS.
 - \bigcirc 1 $\frac{1}{2}$ " EXPANSION JOINT WITH DOWEL BARS NORMAL TO R OR C
 - (D) 1 1/2" EXPANSION JOINT (NO DOWELS)

CONCRETE BRIDGE APPROACH REINFORCED SLAB (RS) SLAB TRANSISTION SEE SECTION C-C BASE AGGREGATE DENSE 1 1/4" APPROACH SLAB FOOTING

SECTION F-F

FOOTING DETAIL

STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB CONCRETE BRIDGE APPROACH

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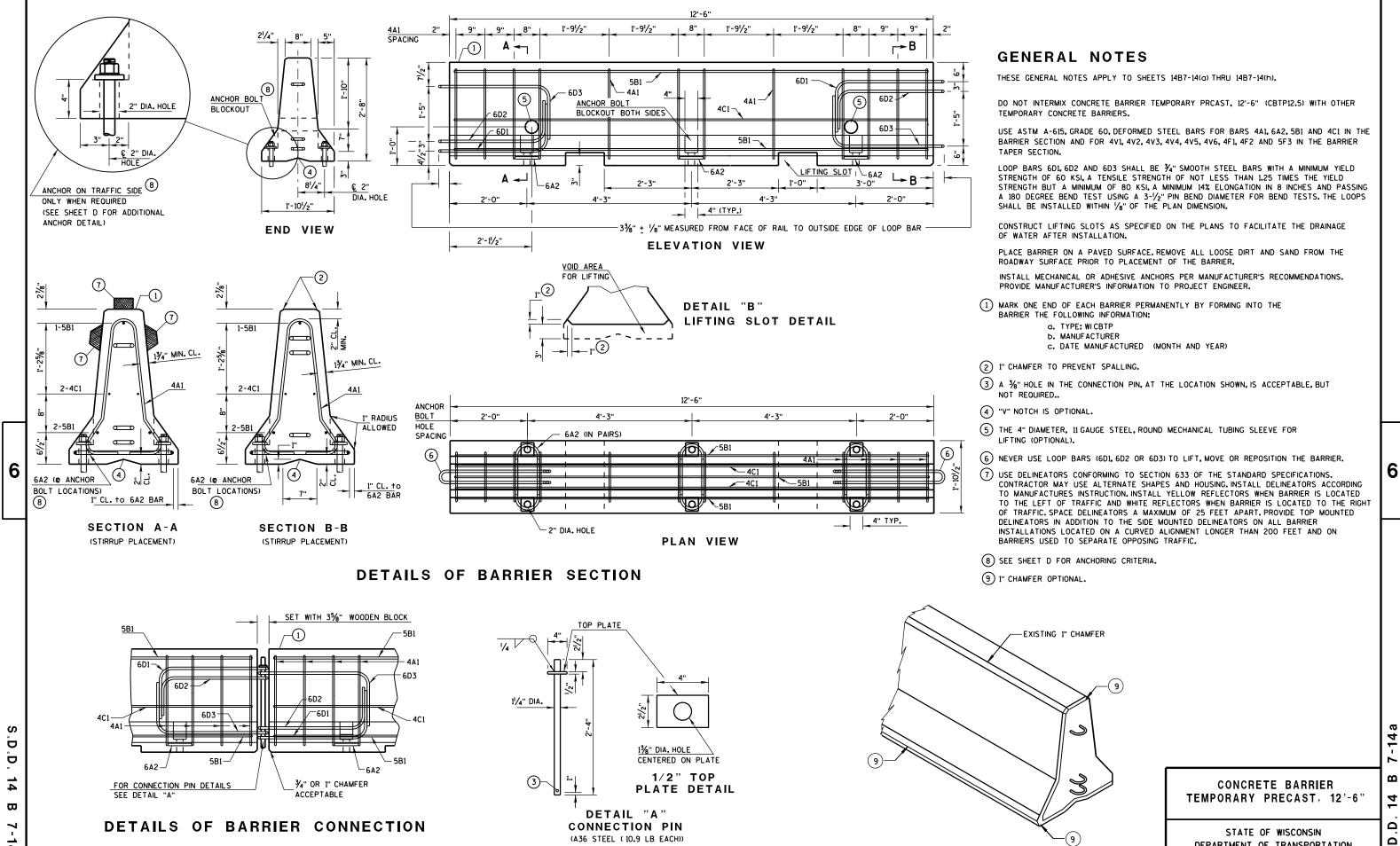
APPROVED June, 2014 /S/ Deb Bischoff DATE PAVEMENT POLICY & DESIGN ENGINEER FHWA

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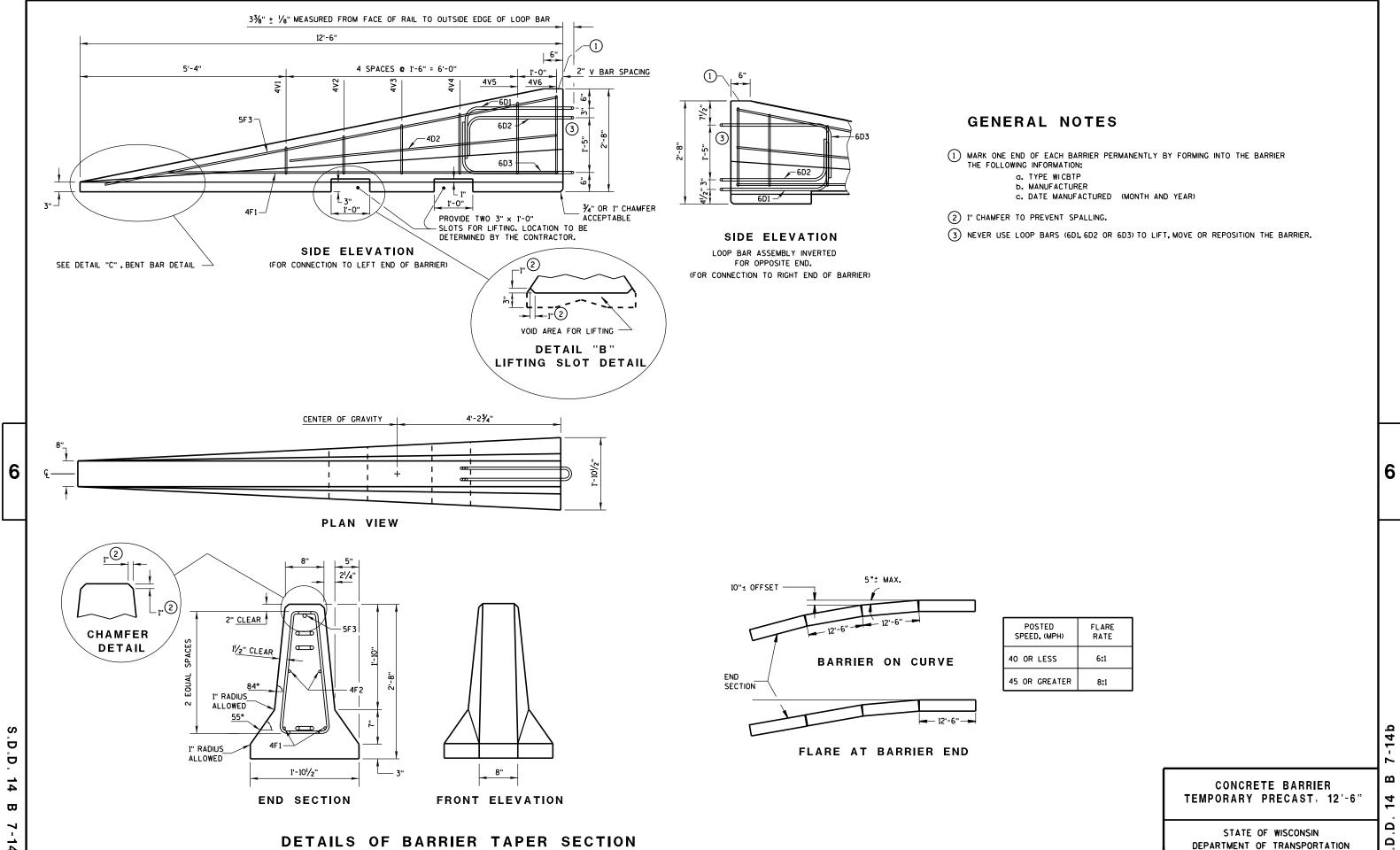
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DEPARTMENT OF TRANSPORTATION



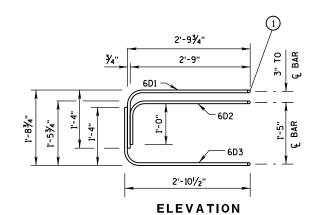
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1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

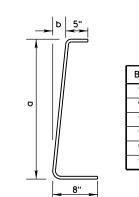
BARRIER TAPER SECTION BILL OF MATERIALS

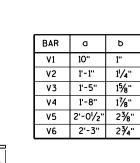
(PER 12'-6" BARRIER TAPER SECTION)

	WENTE O BANGGEN TAILEN SECTION					
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.			
4V1	4	2	1'-11"			
4V2	4	2	2'-2"			
4٧3	4	2	2'-6"			
4V4	4	2	2'-9"			
4V5	4	2	3'-2"			
4V6	4	2	3'-4"			
4F1	4	2	12'-0"			
4F2	4	2	7'-6"			
5F3	5	1	11'-9"			
L	OOP AS	SSEMBL	Υ			
6D1	6	1	8'-5"			
6D2	6	1	7'-7"			
6D3	6	1	8'-6"			
		•	•			



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

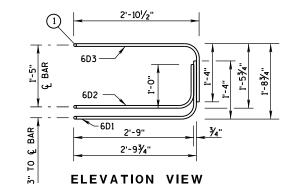
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

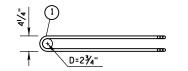
TAPER BARRIER SECTION

BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

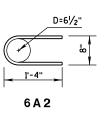
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
L	OOP AS	SSEMBL	Υ
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

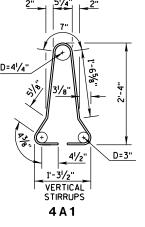




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)



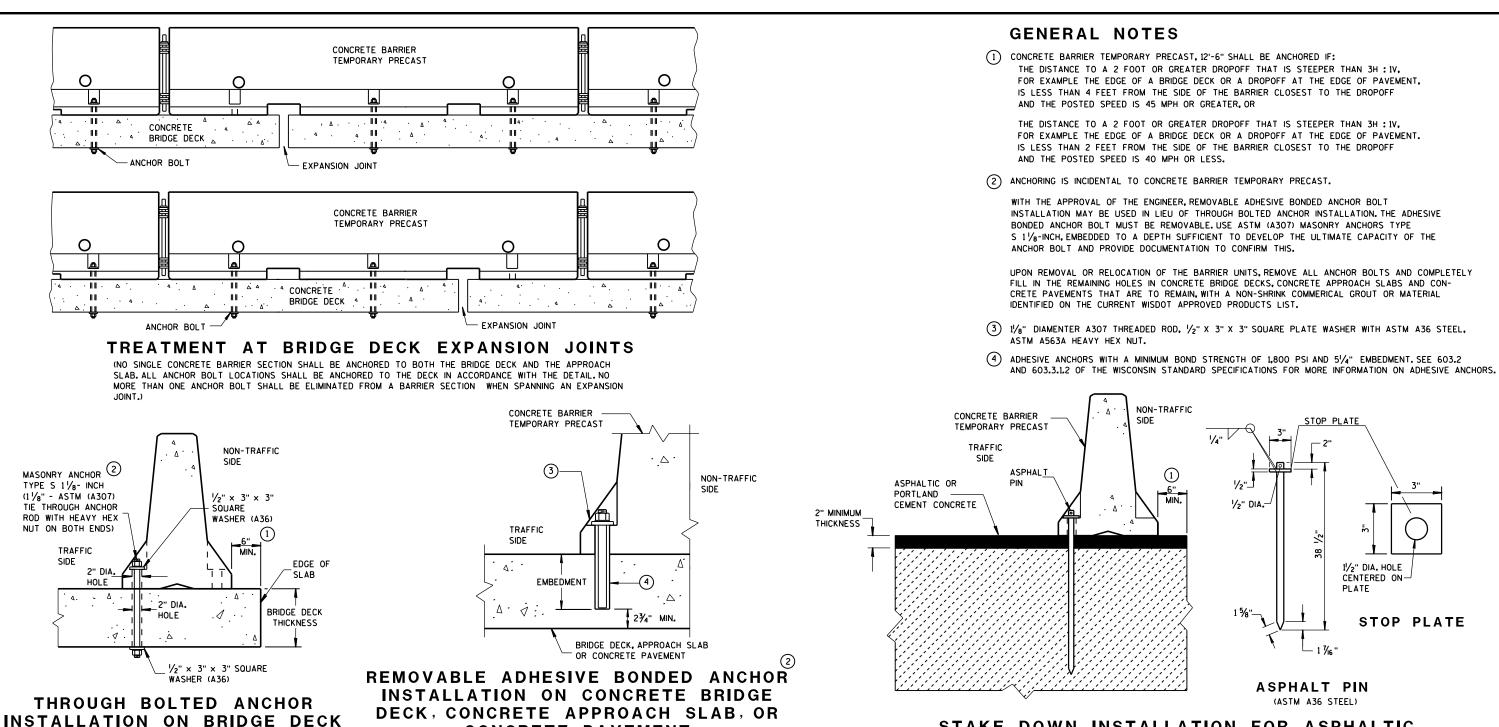


BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

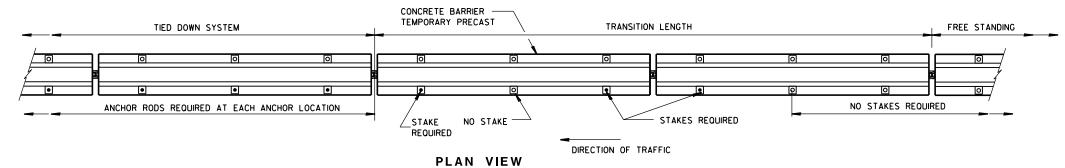
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DEPARTMENT OF TRANSPORTATION

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STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

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(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

CENTERED ON-

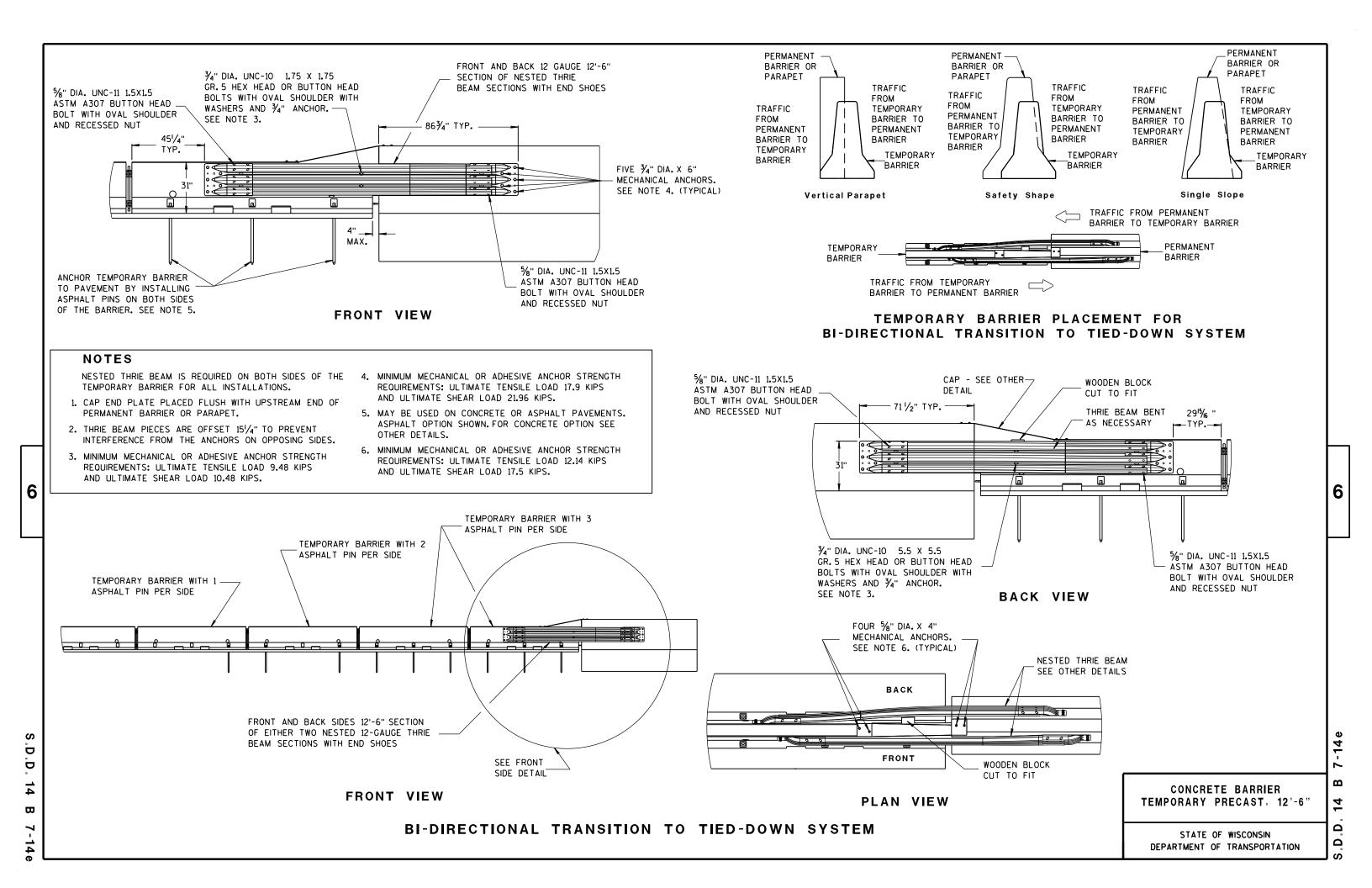
STOP PLATE

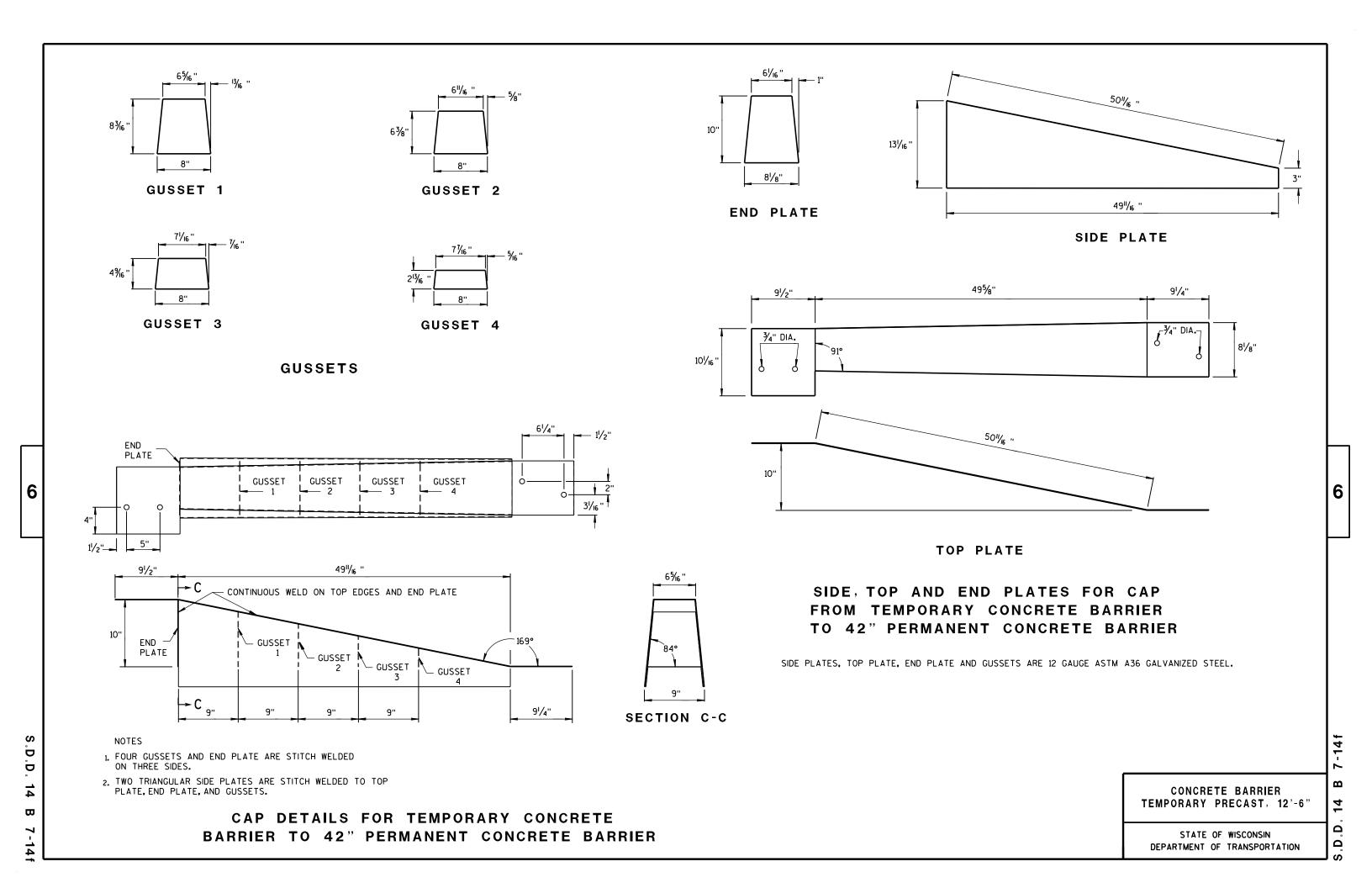
PLATE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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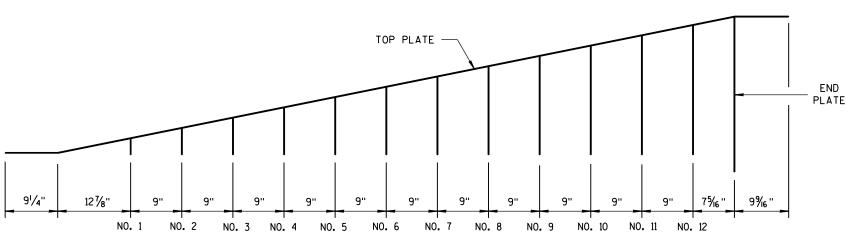
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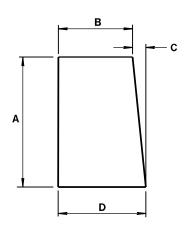
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GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS						
GUSSET No.	A	В	С	D		
1	21/8"	73/4"	1/4"	8		
2	4"/16 "	7% "	1/2"	8		
3	61/2"	73/8"	11/16 "	8½6"		
4	85%"	73/16"	⅓ "	81/16"		
5	101/8"	7"	1 1/16 "	81/16"		
6	11 ¹⁵ / ₁₆ ''	6 ¹³ // ₆ "	1 1/4"	81/16"		
7	13¾"	65/8"	1 1/6"	81/16 "		
8	15% "	6 ½ "	1 % "	81/16"		
9	173/8"	61/4"	1 13/16 "	81/16"		
10	193/6"	6½ ₆ "	1 15/16 "	81/16 "		
11	21"	5 1/8"	23/6"	8½ ₆ "		
12	22 ¹³ / ₁₆ "	5 ¹¹ / ₁₆ "	25/6"	8½ ₆ "		

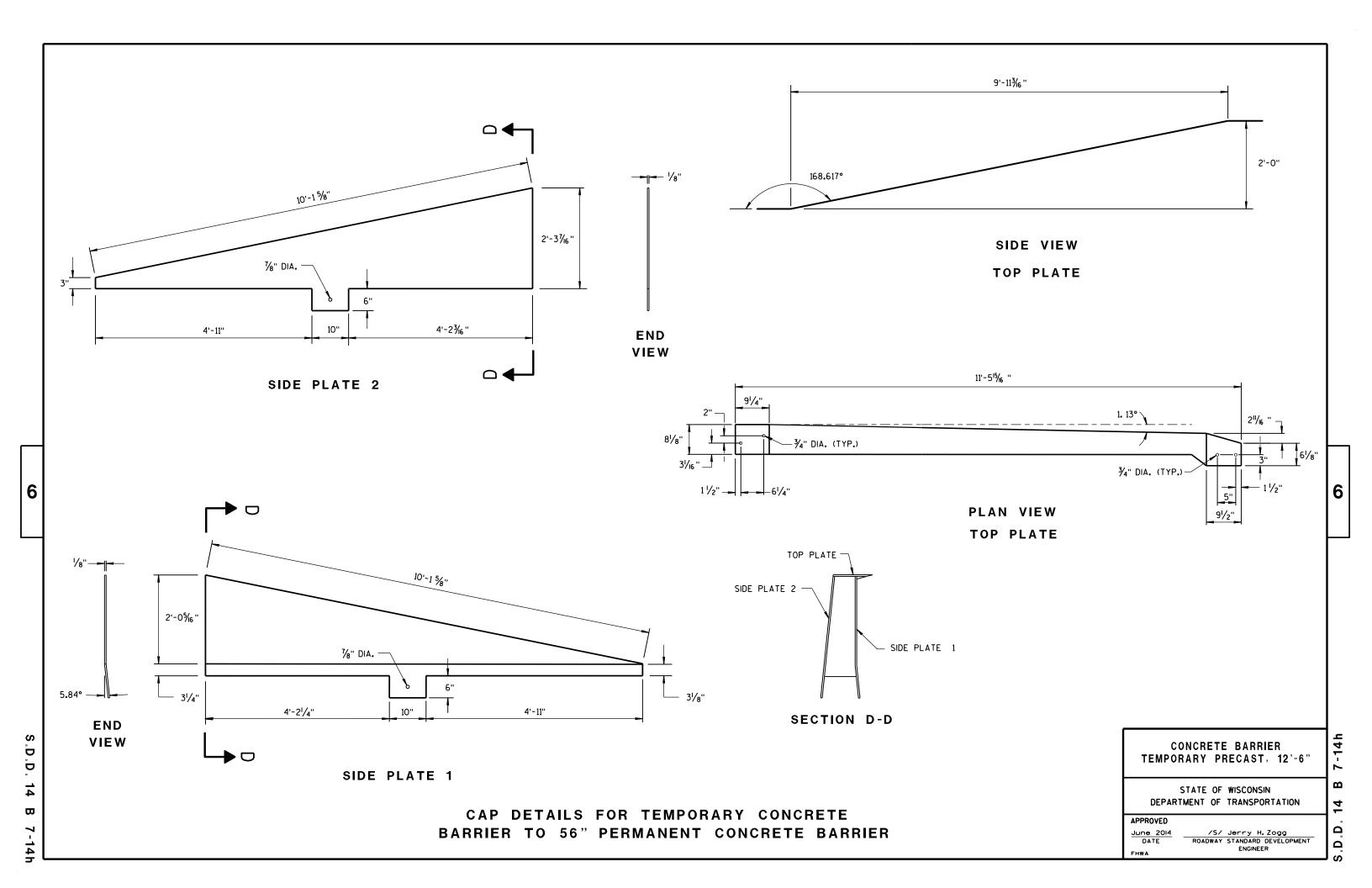
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

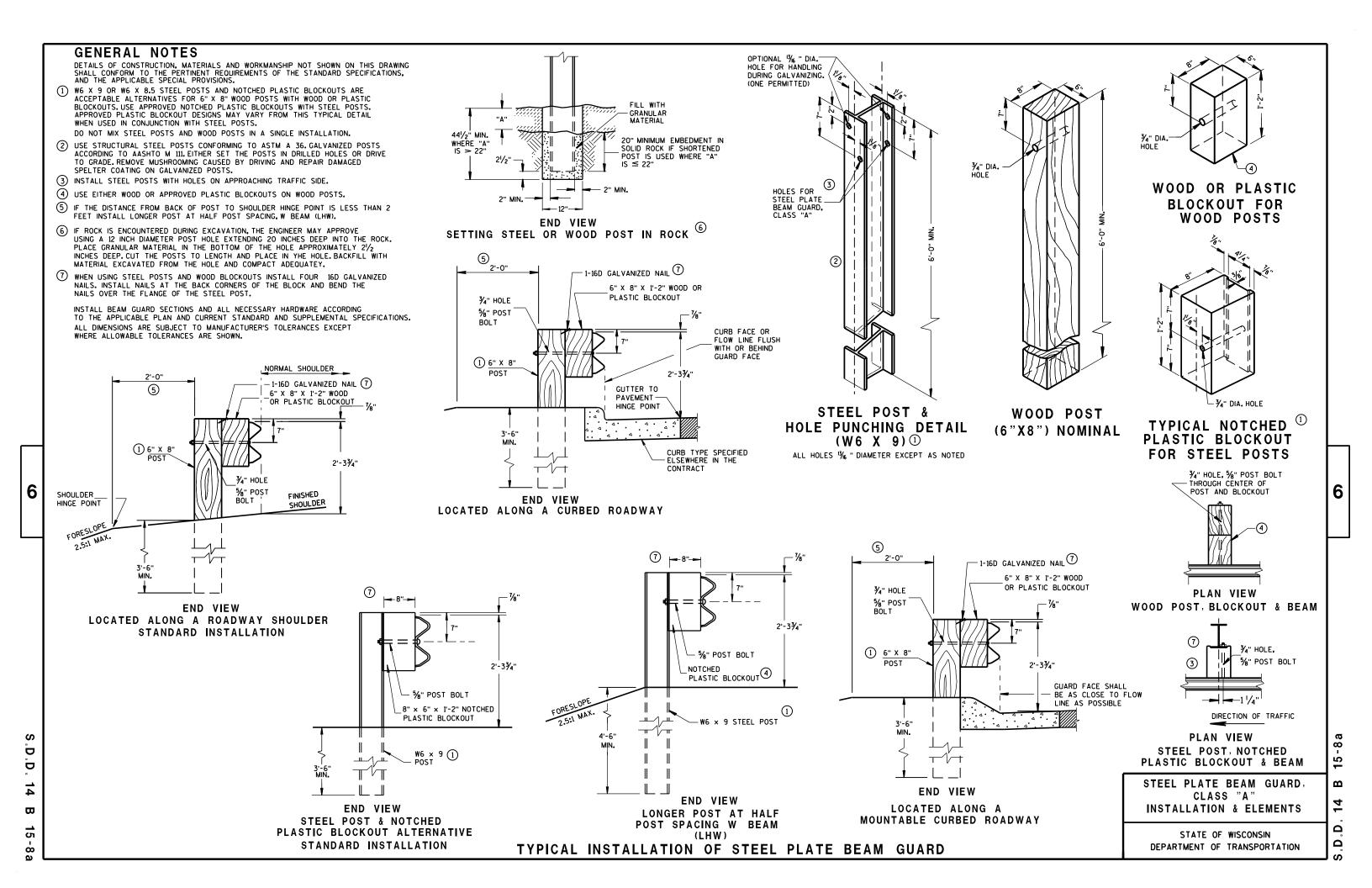
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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FRONT VIEW

POST SPACING STANDARD INSTALLATION

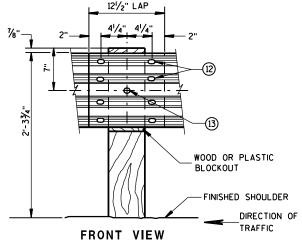
SECTION THRU W

SYMMETRICAL

∕-12 GAGE

BEAM

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BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

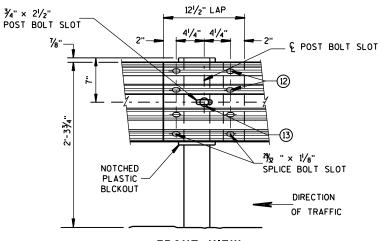
GENERAL NOTES

- (8) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.
- (9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (10) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- (1) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
- (12) 8 5%" \$ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (3) %" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH %" DIA. F844 FLAT WASHER UNDER NUT.

12'-6" OR 25'-0" EFFECTIVE LENGTH OF BEAM 3'-1\/2" C-C 3'-1\/2" C-C 3'-1\/2" C-C 3'-1\/2" C-C POST POST POST POST SPACING SPACING SPACING SPACING FINISHED DIRECTION OF TRAFFIC

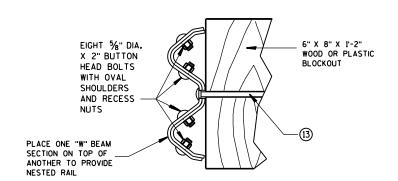
FRONT VIEW

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



FRONT VIEW
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

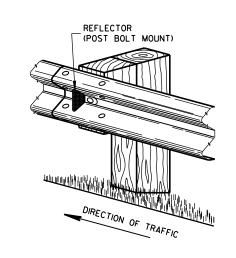


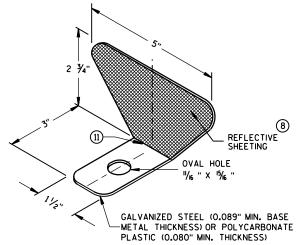
NESTED W BEAM (NW)

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

	9
REFLECTOR	SPACING

	BEAM GUARD	REFLECTOR	NO. SURFACES	MIN. NO.
	LENGTH	SPACING	REFLECTORIZED	REFLECTORS
ONE WAY TRAFFIC	< 500,	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	> 500. < 500.	25' C-C 50' C-C	1 100	6
TWO WAY TRAFFIC	> 500, < 500,	50' C-C 100' C-C	2(11)	3





ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION $^{\circ}$

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

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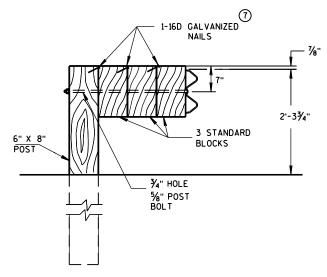
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DETAIL FOR DOUBLE BLOCKS

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

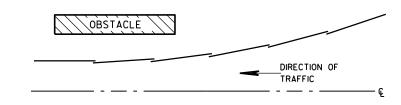


DETAIL FOR TRIPLE BLOCKS

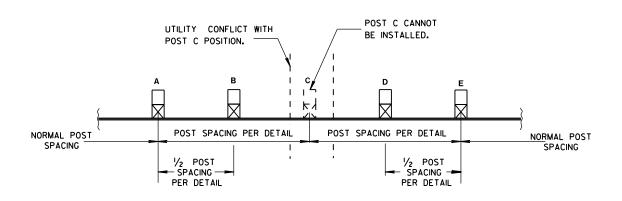
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

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 6

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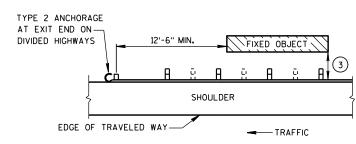
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
FHWA

DATE
FOR THE PROPOSED PROBLEM OF THE PROBLEM OF THE

BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

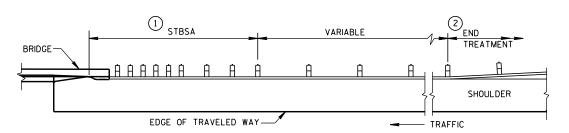
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

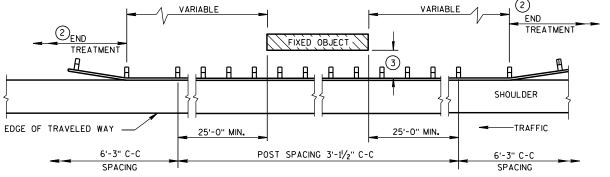
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14B20.
- 2 USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

3	MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
	3'-6"	3' - 11/2"
	4'-6"	6' - 3"

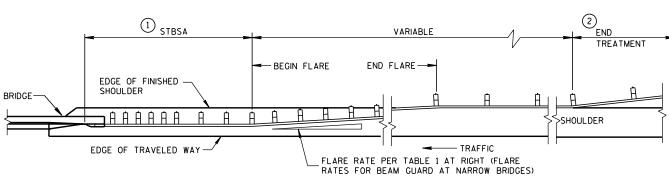


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAI	M GUARD	AT	NAR	ROW B	RID	GES
(FLARED TO	SHOULDER	EDGE,	THEN	PARALLE	L TO	ROADWAY)

TABLE 1
FLARE RATES FOR BEAM
GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWΔ	ENGINEER

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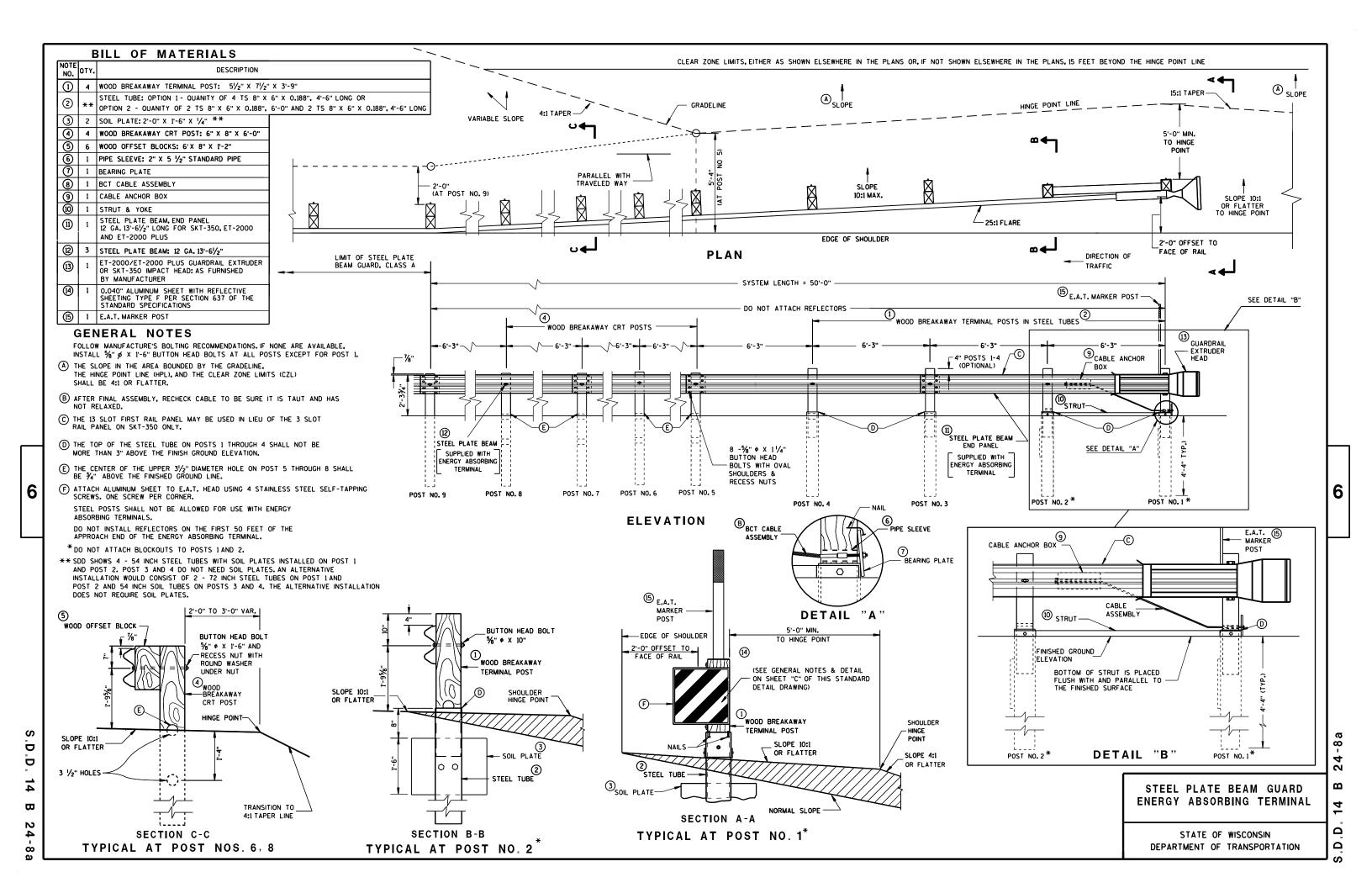
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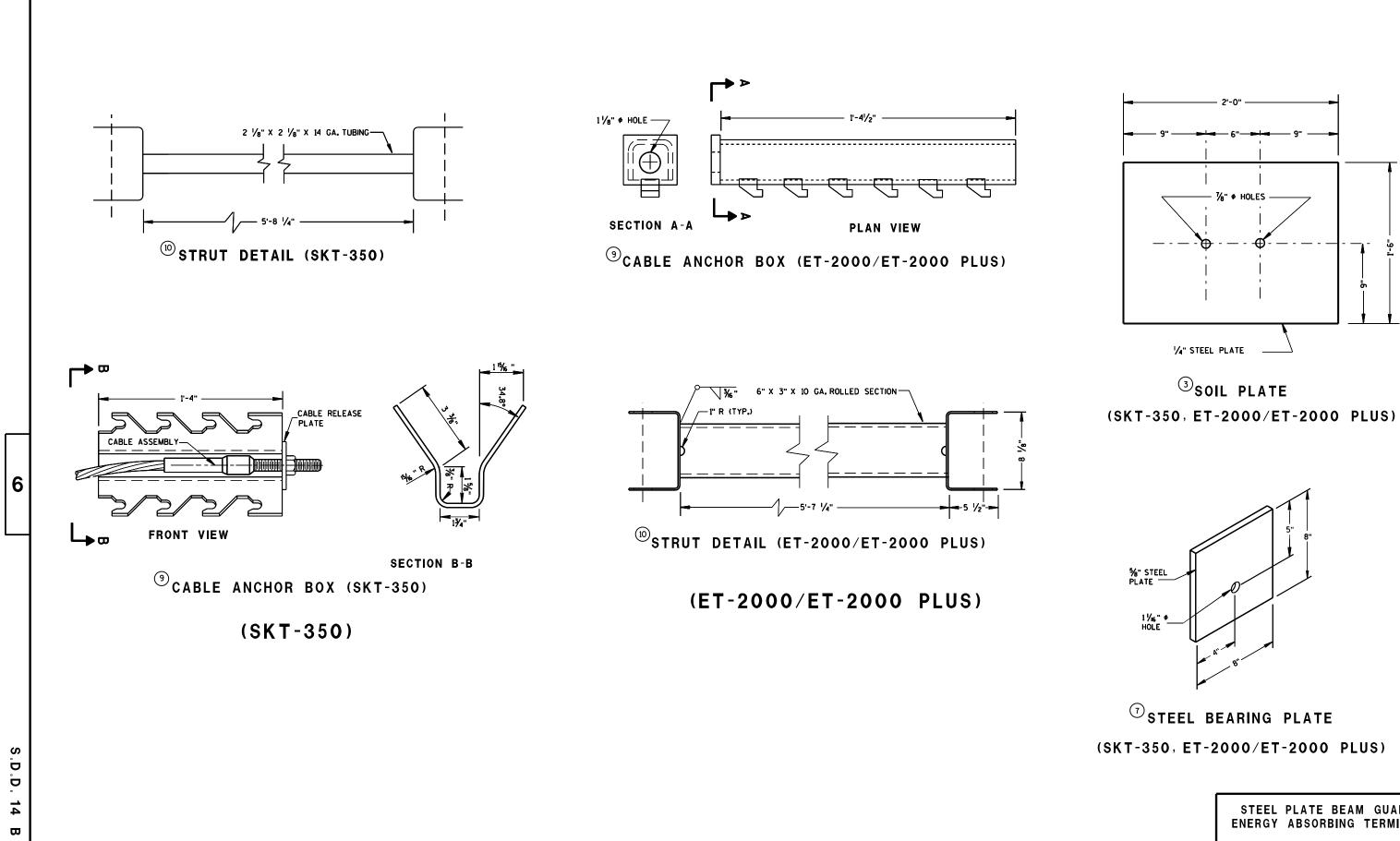
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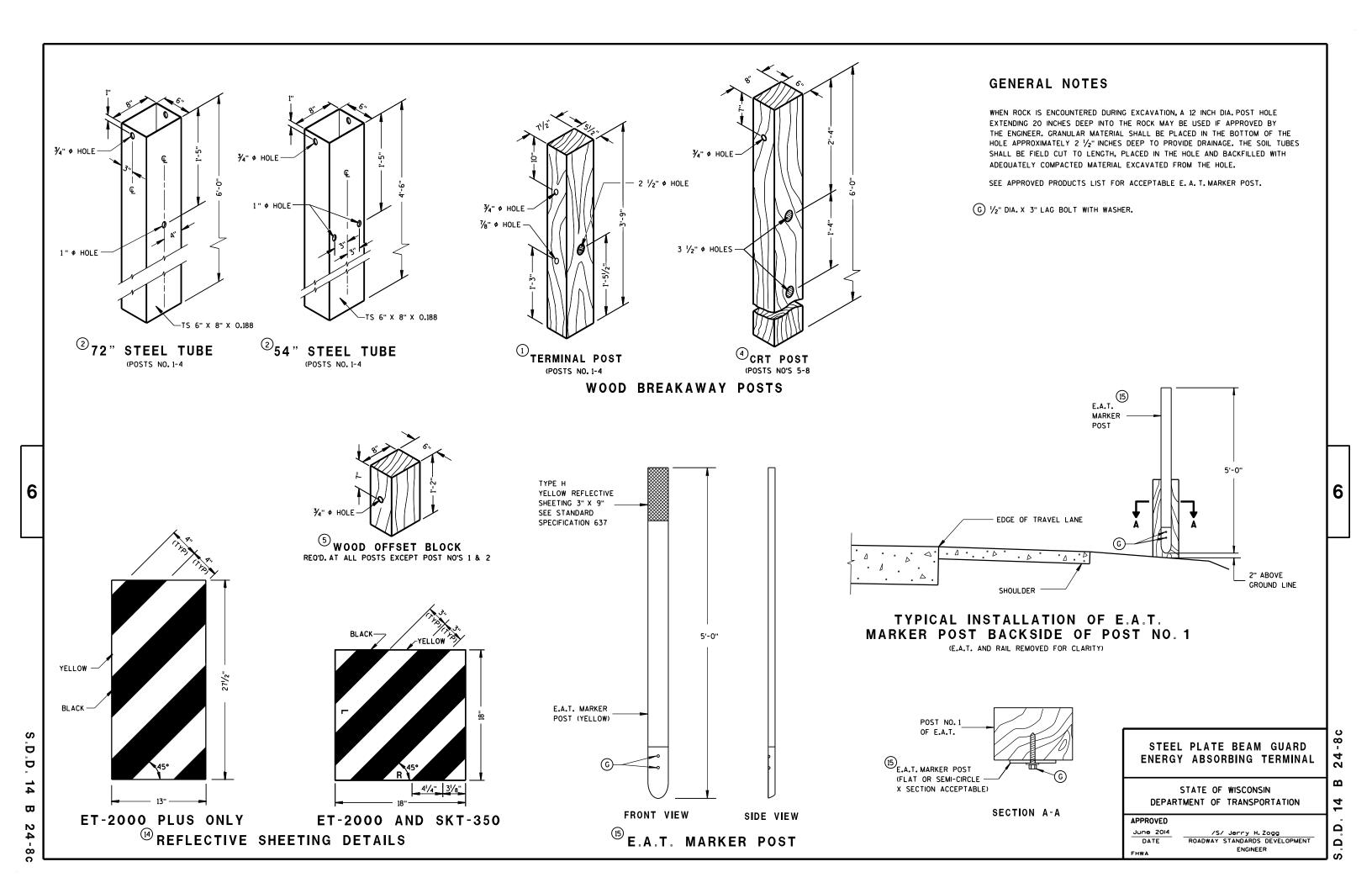


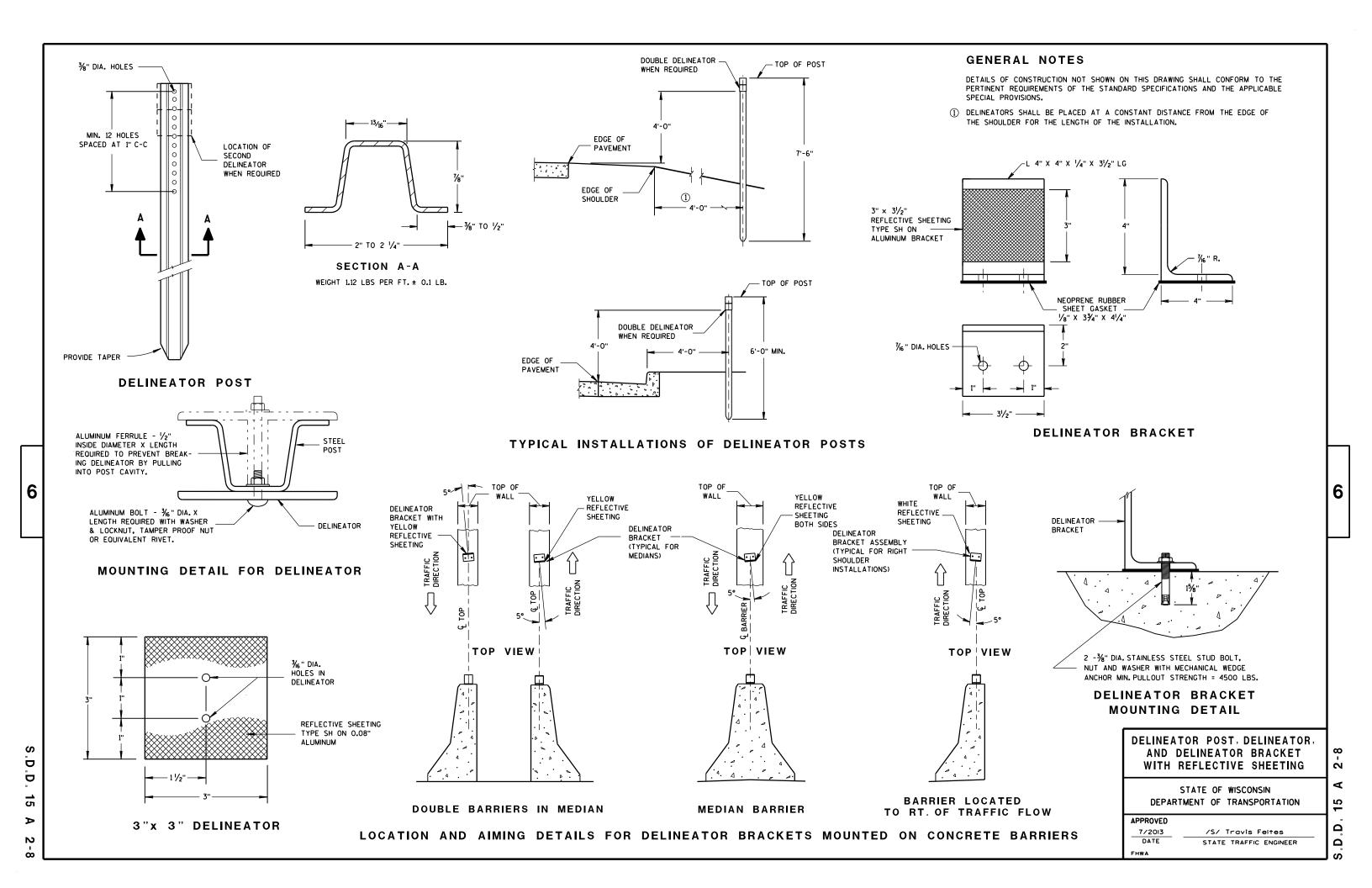


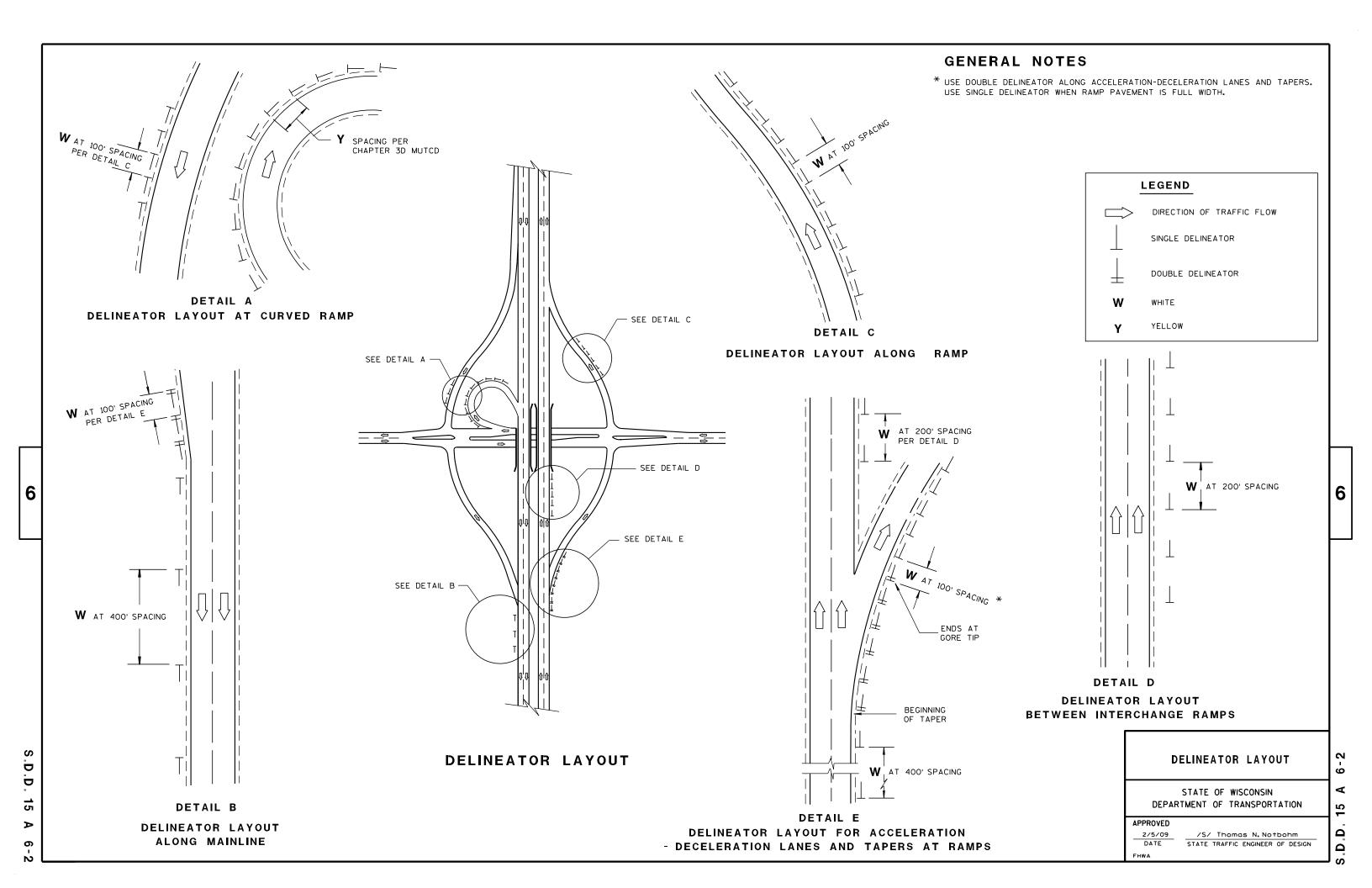
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STEEL PLATE BEAM GUARD **ENERGY ABSORBING TERMINAL**

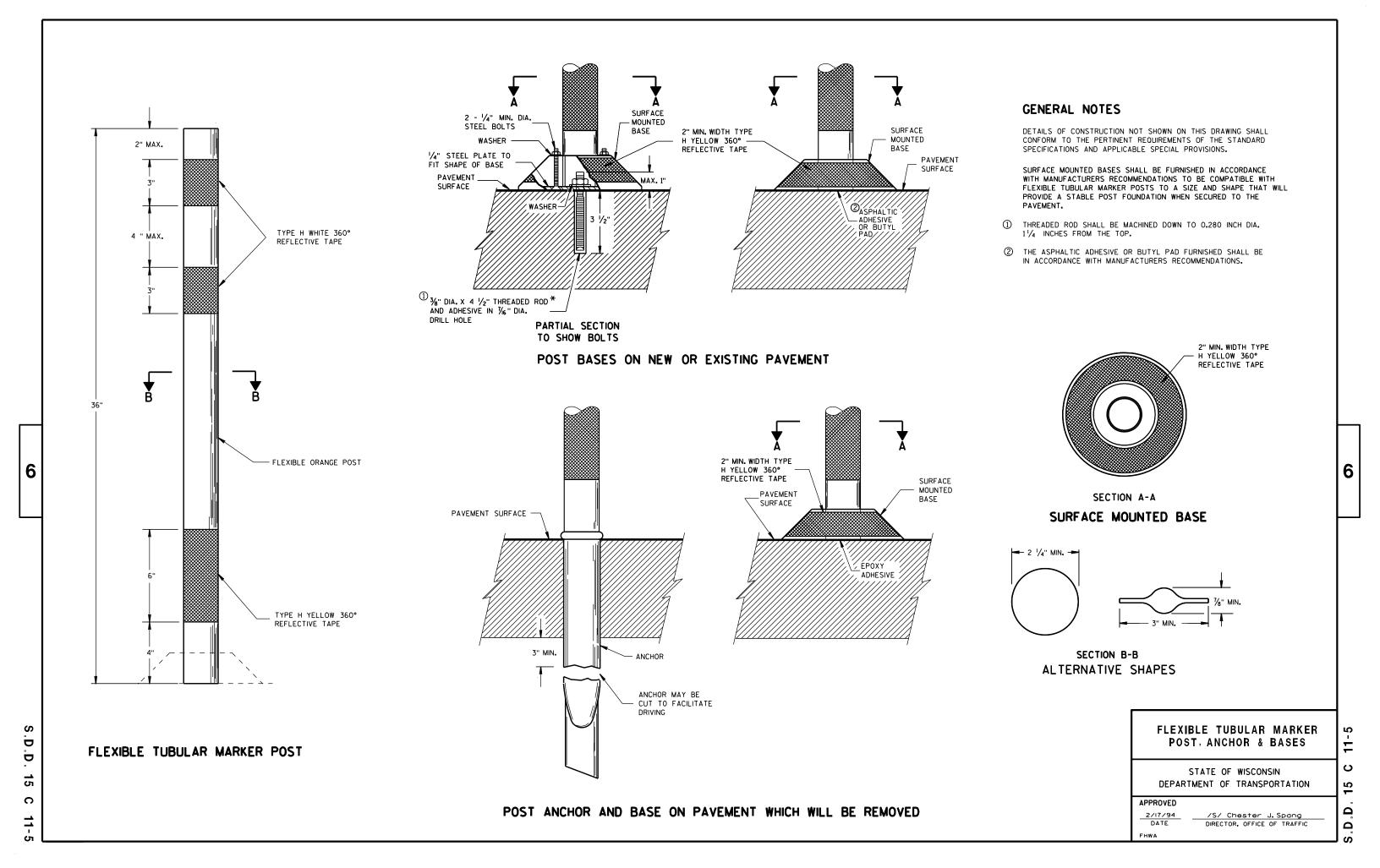
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 14 أ يُ

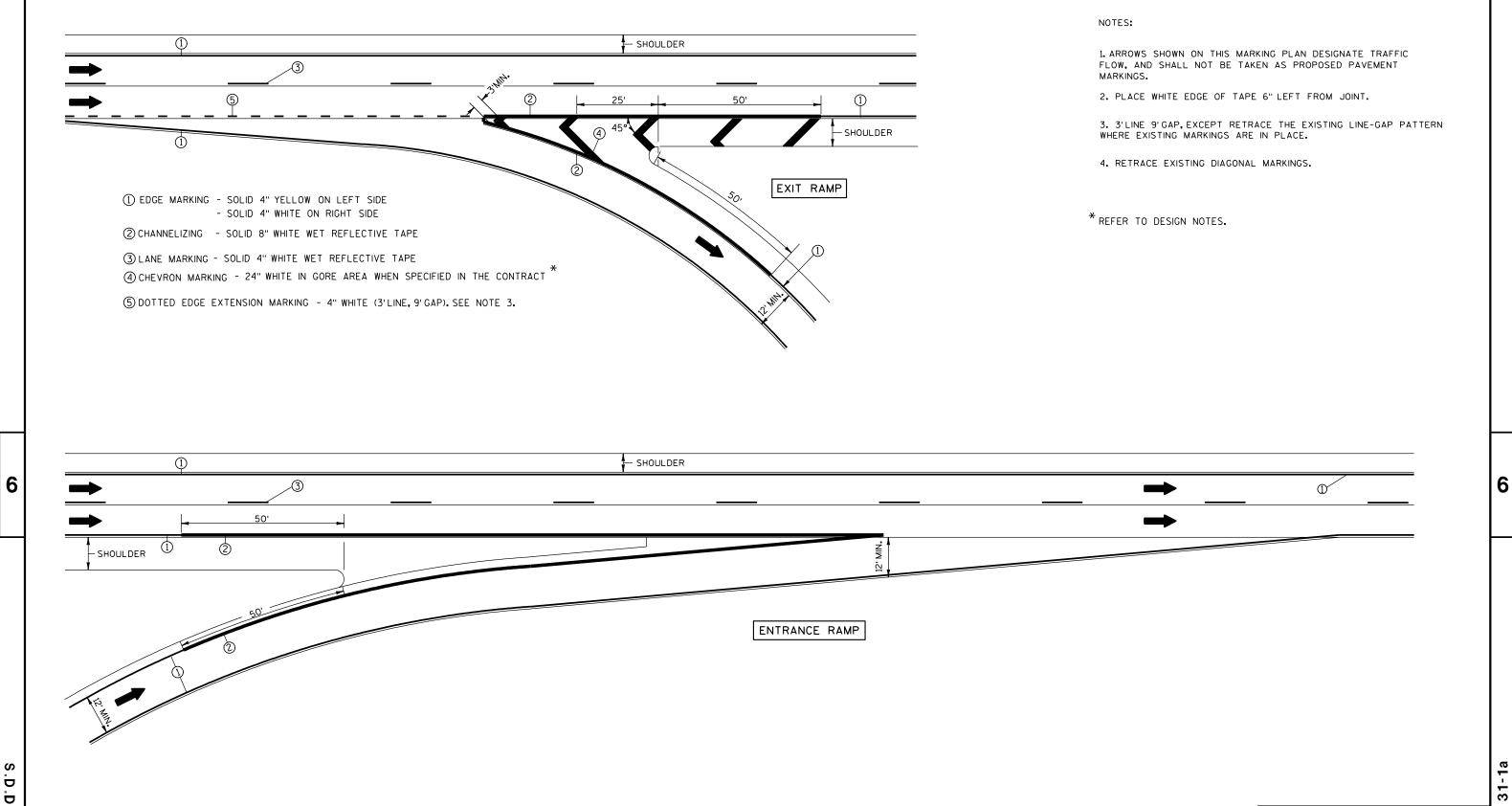










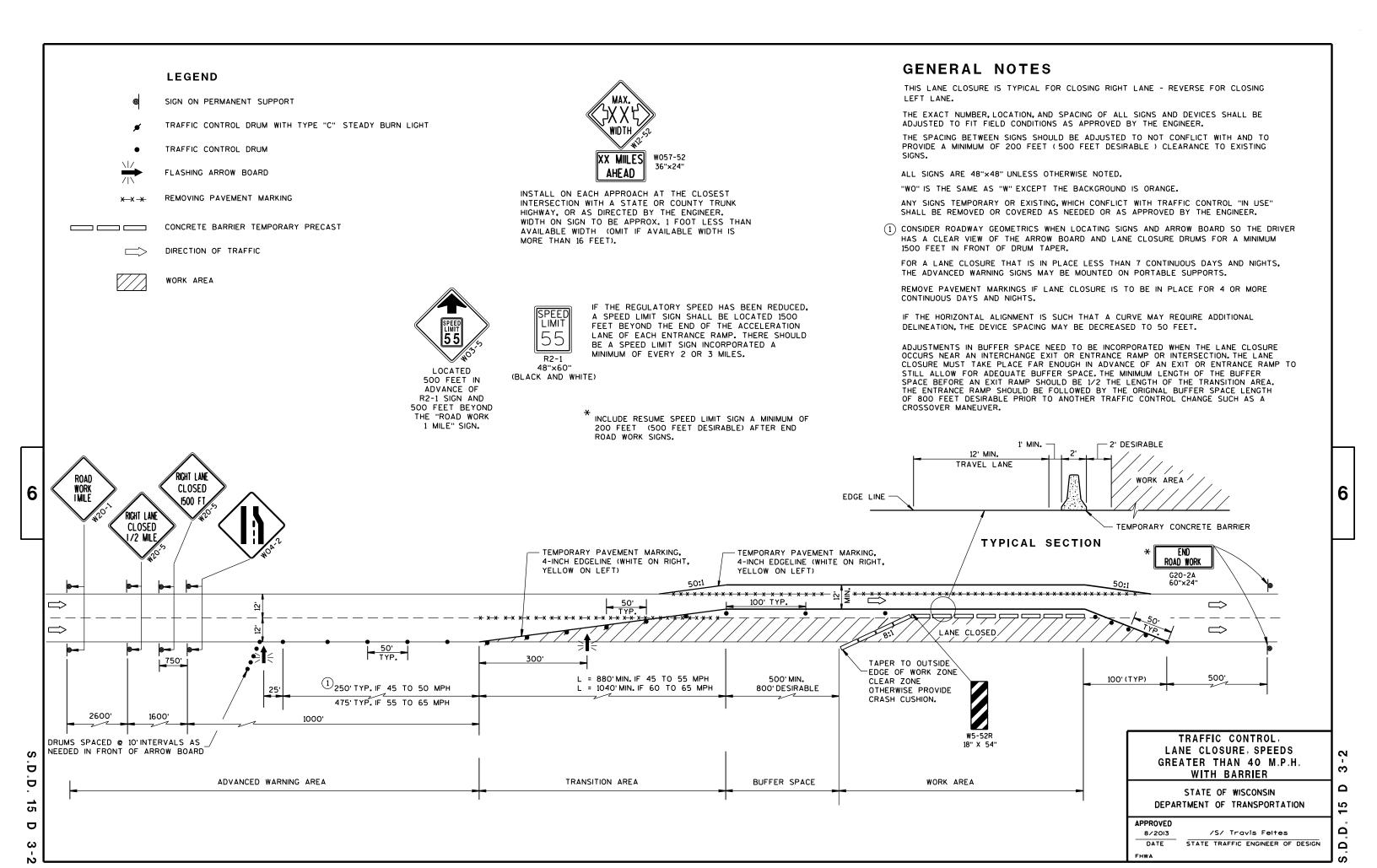


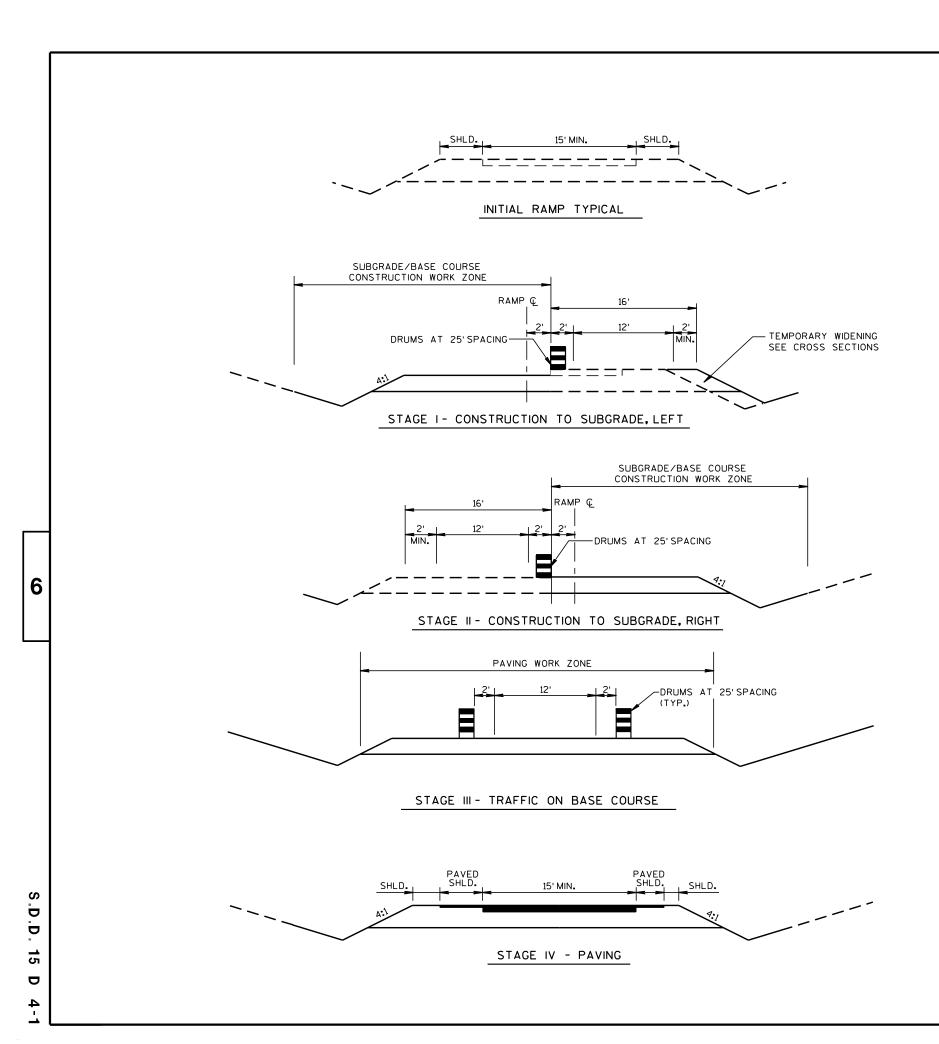
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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (RAMPS AND GORES)





GENERAL NOTES:

WORK SHALL BE SCHEDULED FOR ALL STAGES TO MINIMIZE INCONVENIENCE TO THE TRAFFIC USING THE RAMP WHILE IT IS ONLY BASE COURSE.

IN STAGE III, A MINIMUM 12' LANE WIDTH SHALL BE DELINEATED WITH DRUMS ALONG BOTH EDGES AT ALL TIMES UNTIL PAVED AND PAVEMENT MARKINGS ARE PLACED.

TRAFFIC CONTROL, RAMP CONSTRUCTION STAGING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

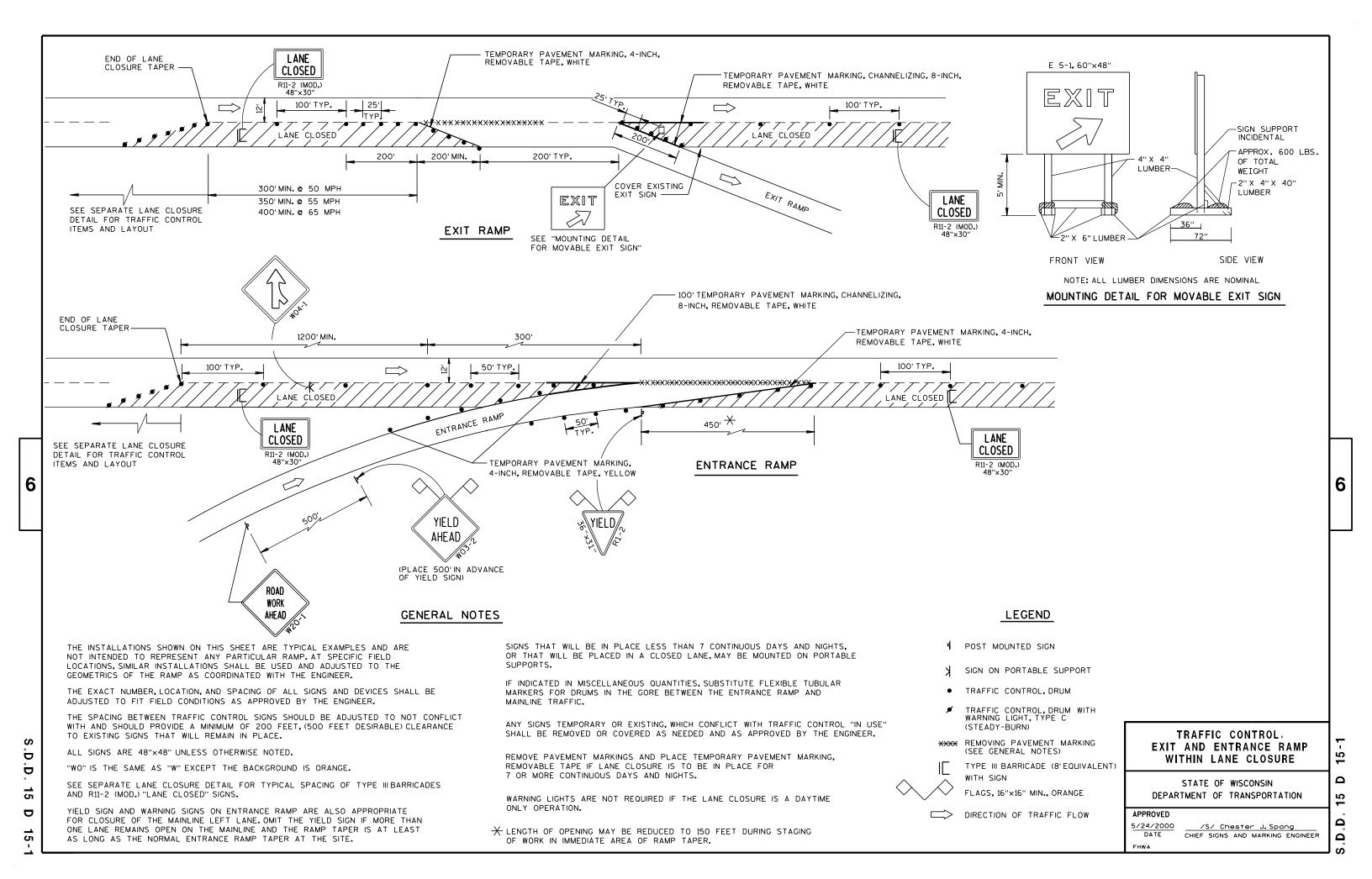
APPROVED

/S/ Chester J. Spang
DIRECTOR, OFFICE OF TRAFFIC DATE

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GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) 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 SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36' IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Rightarrow WORK AREA 50' 350' 500' MIN. - 800' DESIRABLE 575 TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 65 MPH - 780' TRAFFIC CONTROL, 2 D LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Δ STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Travis Feltes N Feb. 2015 STATE TRAFFIC ENGINEER OF DESIGN Ω FHWA

GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT SIGNS. IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. ** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A 65 MPH RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN. ĽІМІТ 55 R2-1 48"×60" (BLACK AND 6 6 RICHT LAN WHITE) WORK CLOSED CLOSED I MILE 1500 F XX M.P.H 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow WORK AREA 50' TYP. 500' 350' 500' MIN. - 800' DESIRABLE 500 575 MIN. MIN. TAPER 500 55 MPH - 660' 2600' 1600' 1000' S TRAFFIC CONTROL, LANE Ö CLOSURE, SPEED REDUCTION 2 5 DRUMS SPACED @ 10' INTERVALS AS D NEEDED IN FRONT OF ARROW BOARD STATE OF WISCONSIN S ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION 2 D **APPROVED** Δ F<u>e</u>b. 2015 /S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN Δ FHWA



LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

(△) TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

16

GENERAL NOTES

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

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

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

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

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

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

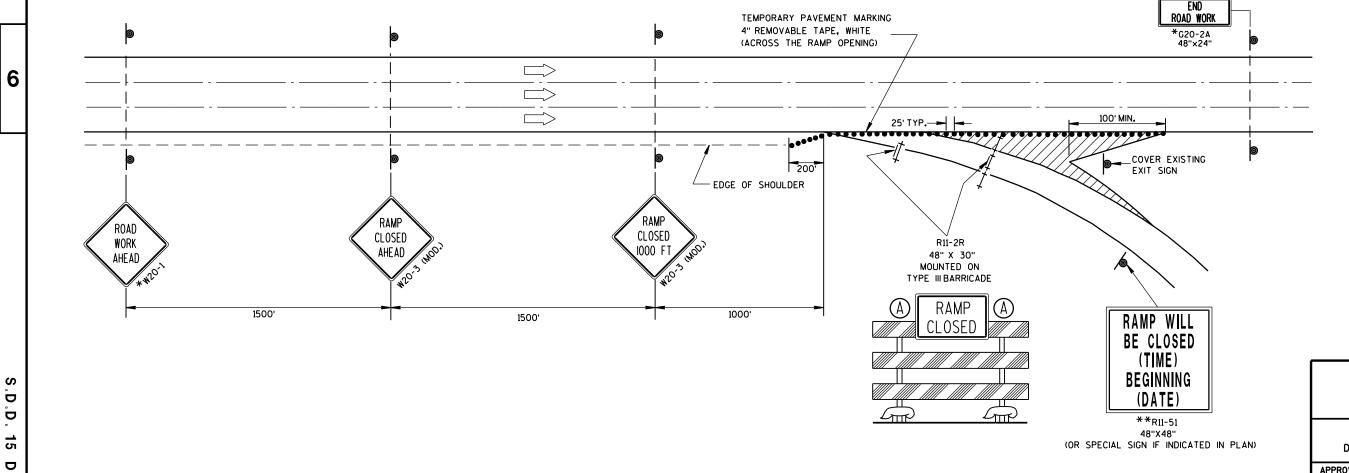
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

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

** PLACE "RAMP WILL BE CLOSED" SIGN 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

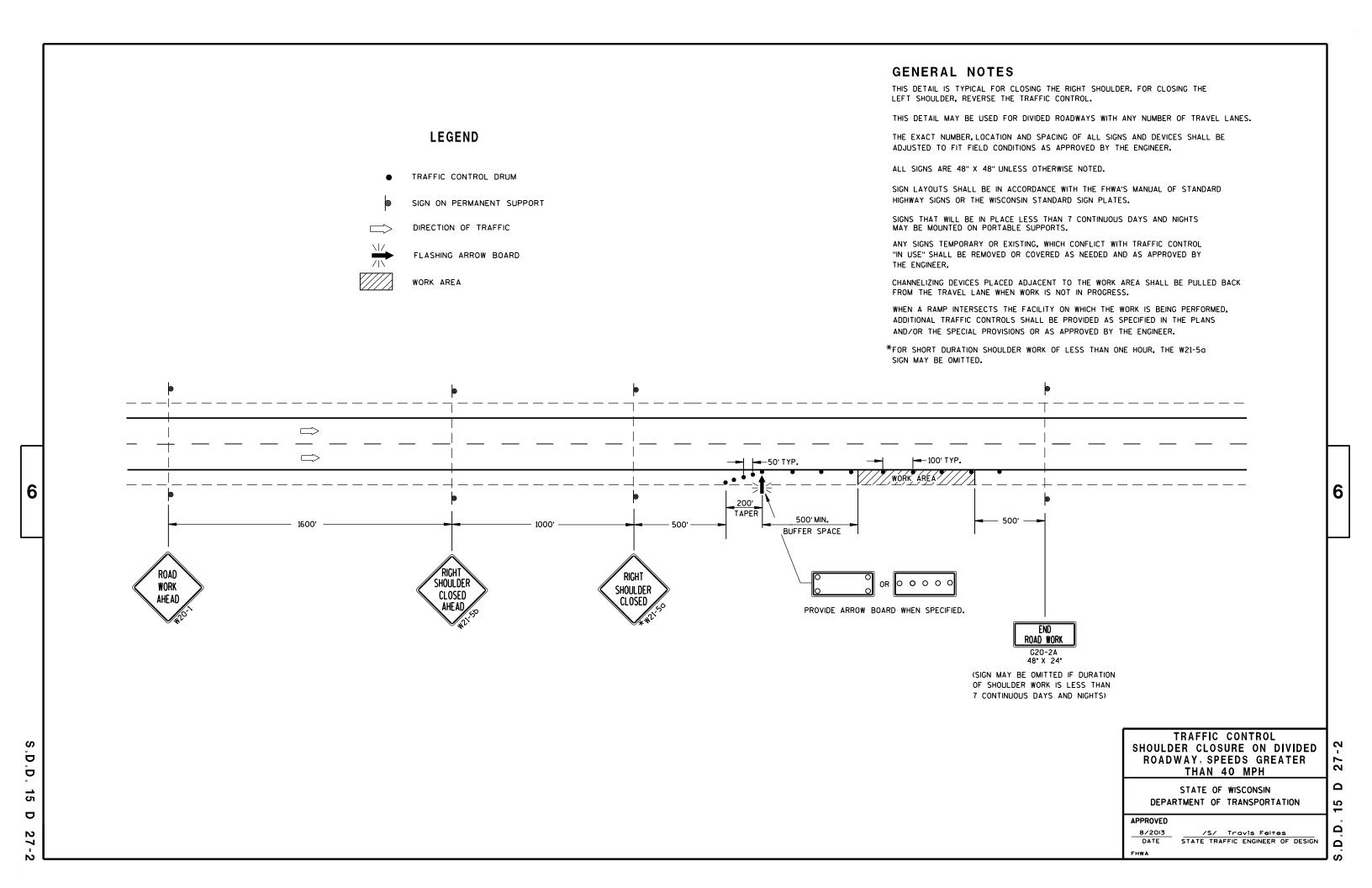
APPROVED 8/2013

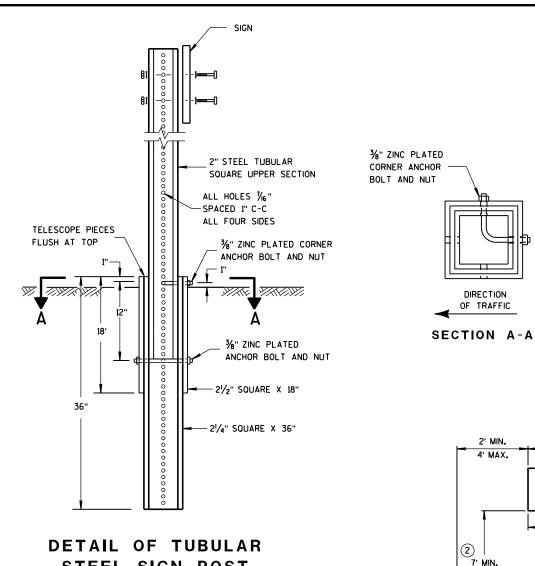
B/2013

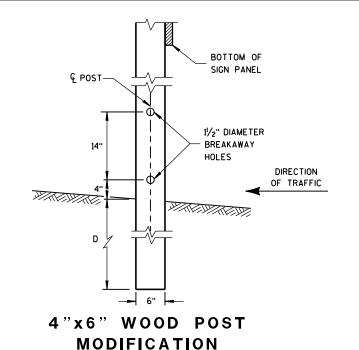
DATE

STATE TRAFFIC ENGINEER OF DESIGN
FHWA

D.D. 15 D 16







GENERAL NOTES

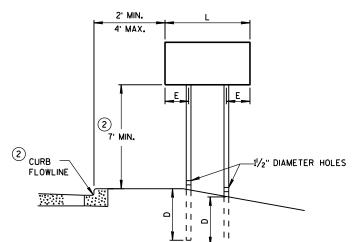
- (1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.
- (2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN
 THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED
 FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING,
 VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.
- (3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.

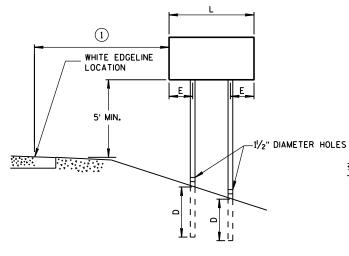
STEEL SIGN POST

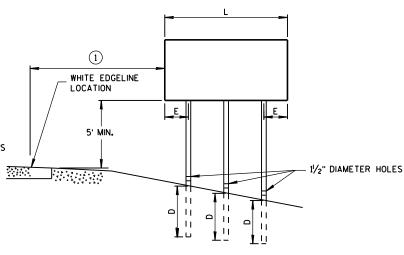
TUBULAR STEEL POSTS

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

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







URBAN AREA

RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

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

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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

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

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

LAG SCREWS - 3/8" X 3"

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

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

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

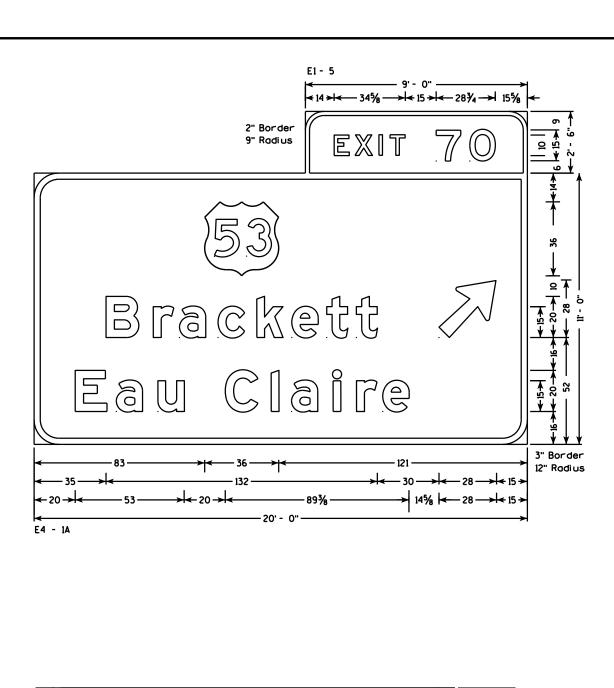
APPROVED Feb. 2015

FHWA

PATE DATE TRAFFIC ENGINEER OF DESIGN

38-1b

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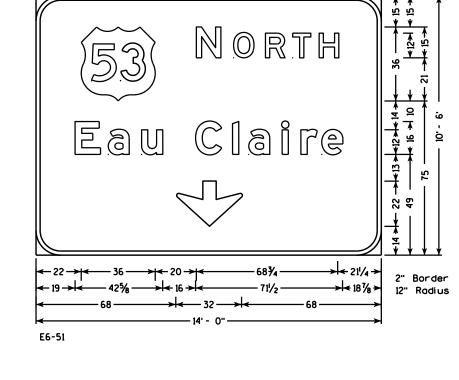


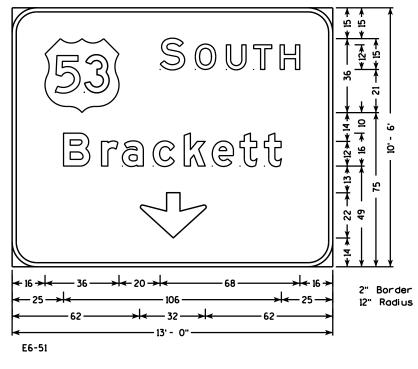
NOTES

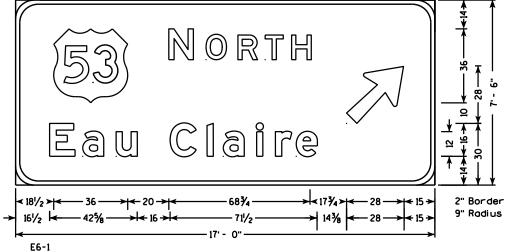
- 1. All Signs are Type I Type SH Reflective
- 2. Color:

Background - Green Message - White

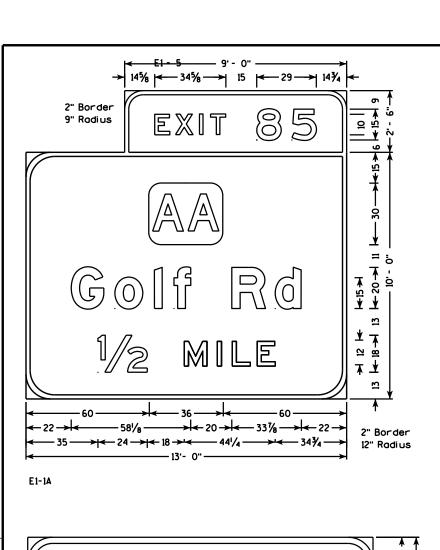
3. Message Series - E Modified except all cap Words are Series E

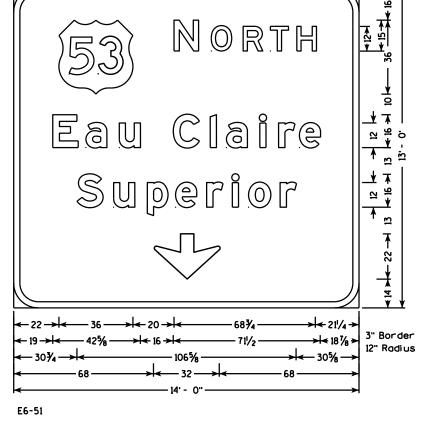


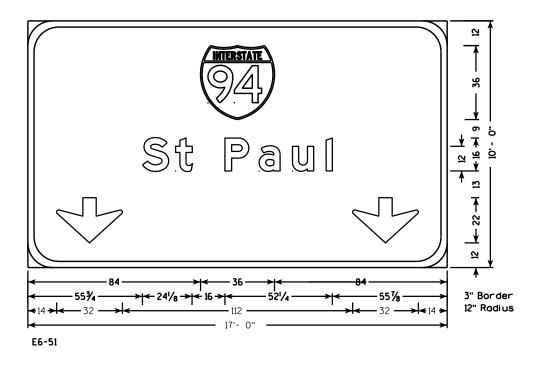




COUNTY: EAU CLAIRE HWY: IH 94 PROJECT NO: 1022-00-66 PERMANENT SIGNING SHEET NO: PLOT NAME :



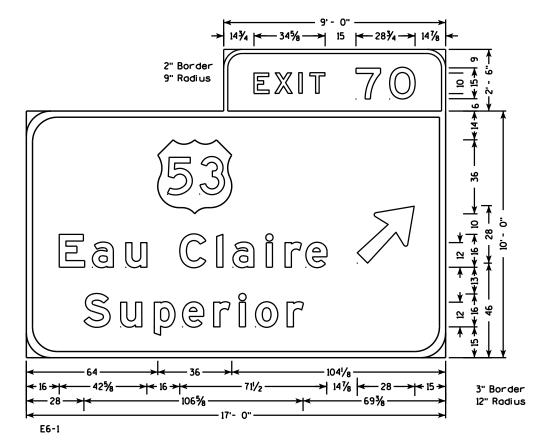


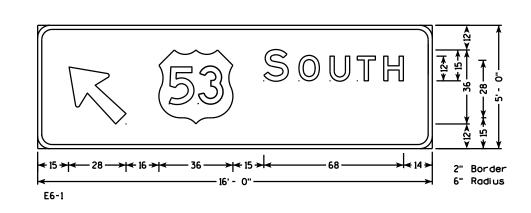


- 1. All Signs are Type I Type SH Reflective
- 2. Color:

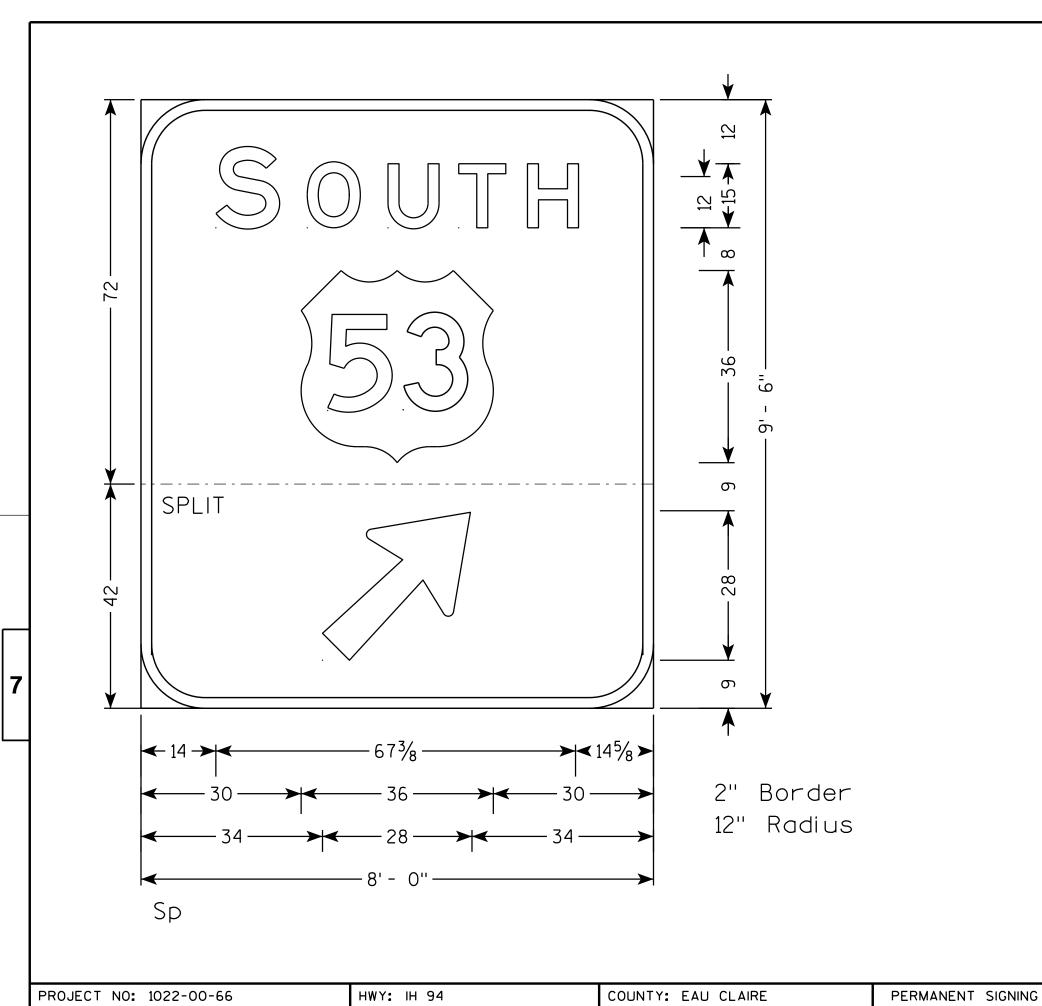
Background - Green Message - White

3. Message Series - E Modified except all cap Words are Series E





PROJECT NO: 1022-00-66 HWY: IH 94 COUNTY: EAU CLAIRE PERMANENT SIGNING SHEET NO: E



- 1. Sign is Type II Type H Reflective
- 2. Color:
 Background GREEN
 - Message WHITE
- 3. Message Series E

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_d6\6181A214.DGN

PLOT DATE: 02-0CT-2014 13:29

PLOT BY: msc:

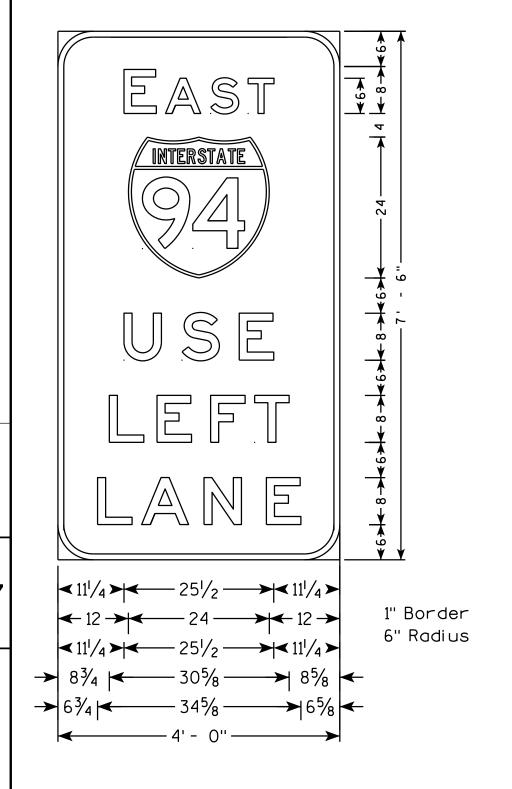
PLOT NAME :

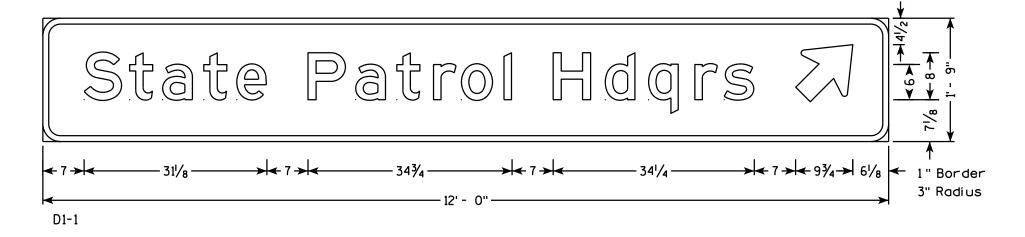
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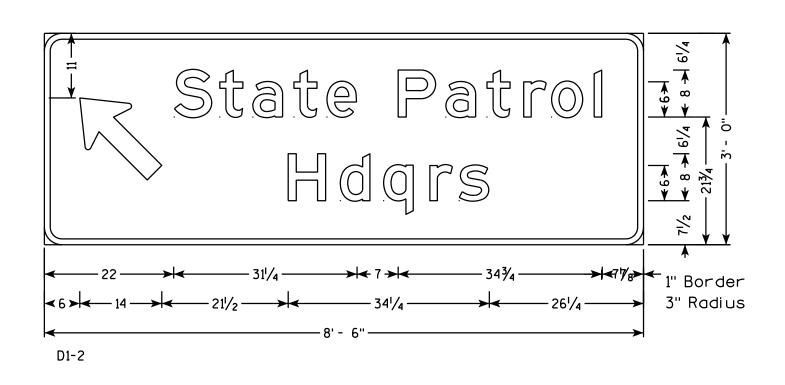
- 1. All Signs Type II Type H Reflective
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - E







PROJECT NO: 1022-00-66

HWY: IH 94

COUNTY: EAU CLAIRE

PERMANENT SIGNING

PLOT NAME :

PLOT SCALE: 16.345072:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_d6\6181A214.DGN

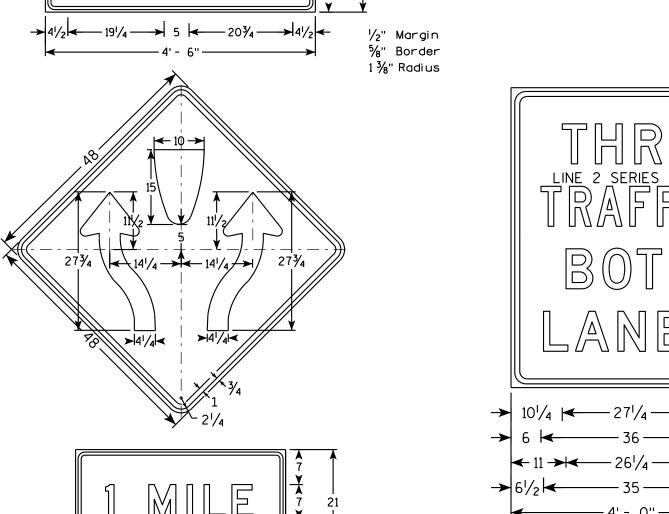
PLOT DATE: 23-JUN-2014 13:23

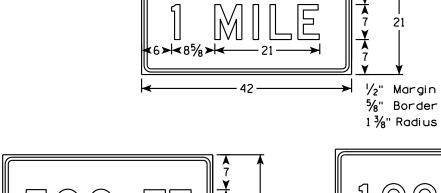


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - ORANGE Message - BLACK

3. Message Series - D except as Shown



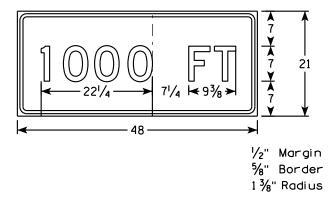


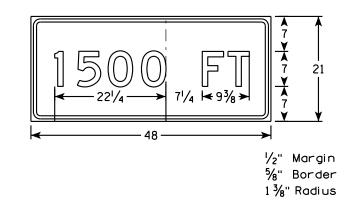
½" Margin

%" Border

13/8" Radius

SERIES C





 $\frac{3}{4}$ " Margin

 $2^{1}/_{4}$ " Radius

Border

→ 10½

COUNTY: EAU CLAIRE

TEMPORARY SIGNING

PLOT BY : DOTKYK

PLOT NAME :

WISDOT/CADDS SHEET 42

SHEET

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FILE NAME: N:\PDS\Projects-LET\1022-00-36,66 Road\Misc\070110_sd.DGN

PROJECT NO: 1022-00-66 & 1022-00-80 HWY: IH 94

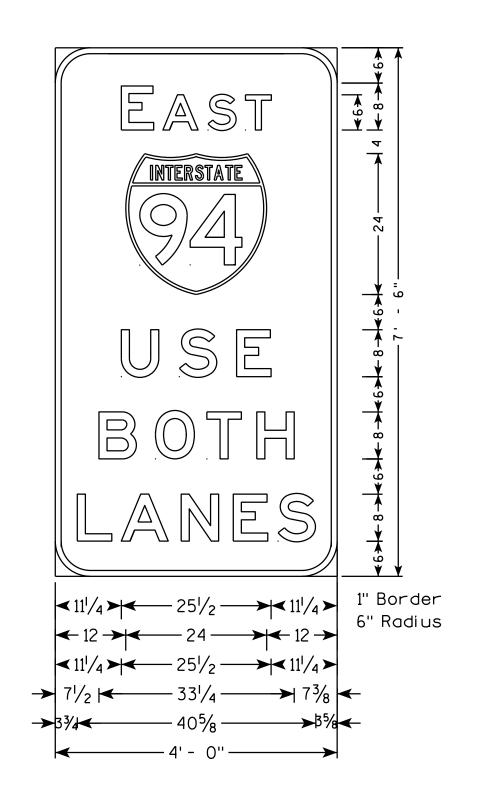
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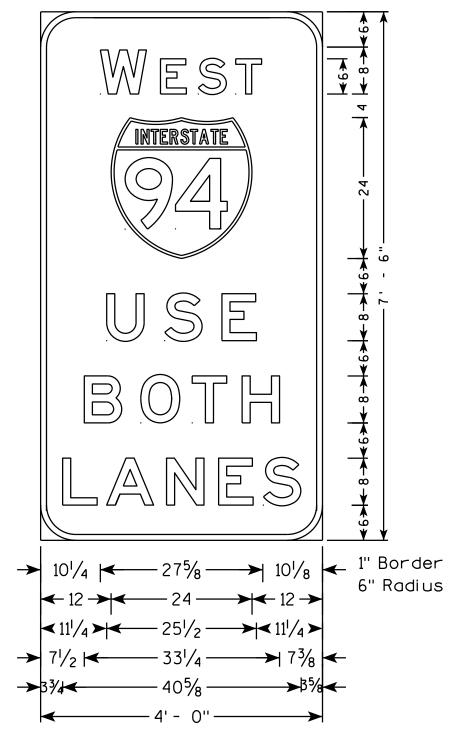
PLOT SCALE: 19.200038:1

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

Background - Orange Message - Black

3. Message Series - E





PROJECT NO: 1022-00-66 HWY: IH 94 COUNTY: EAU CLAIRE TEMPORARY SIGNING SHEET NO: | E

FILE NAME : C:\CAEfiles\Projects\tr_d6\6181A214.DGN

PLOT DATE: 29-0CT-2014 07:54

j9h

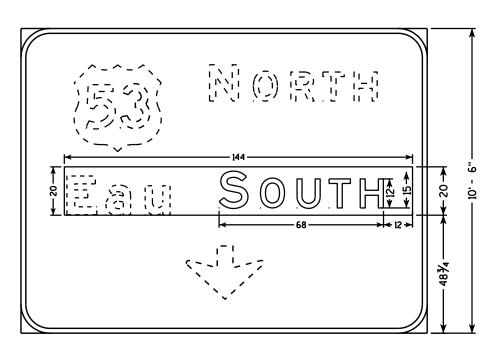
PLOT NAME :

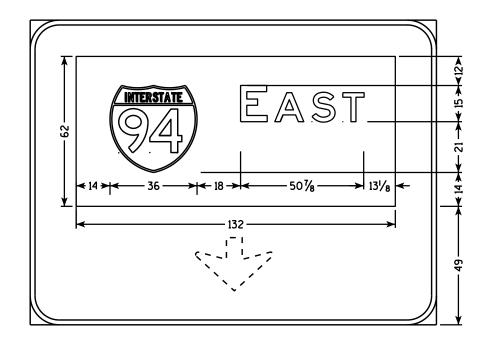
PLOT SCALE: 16.345072:1.000000

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

Background - ORANGE Message - BLACK

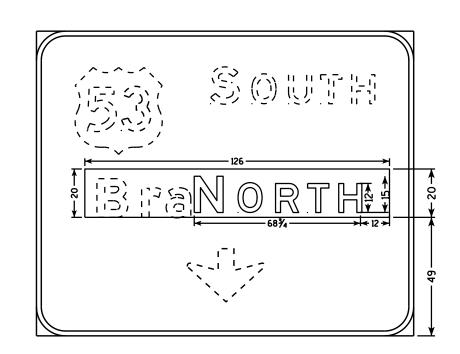
- 3. Message Series E
- 3. See M1-51 for Interstate Shields





WEST

2" Border 6" Radius



HWY: IH 94 COUNTY: EAU CLAIRE SHEET NO: PROJECT NO: 1022-00-66/80 TEMPORARY SIGNING PLOT NAME :

FILE NAME : C:\CAEFiles\Projects\tr_d6\6181A214.DGN

PLOT DATE: 20-0CT-2014 09:03

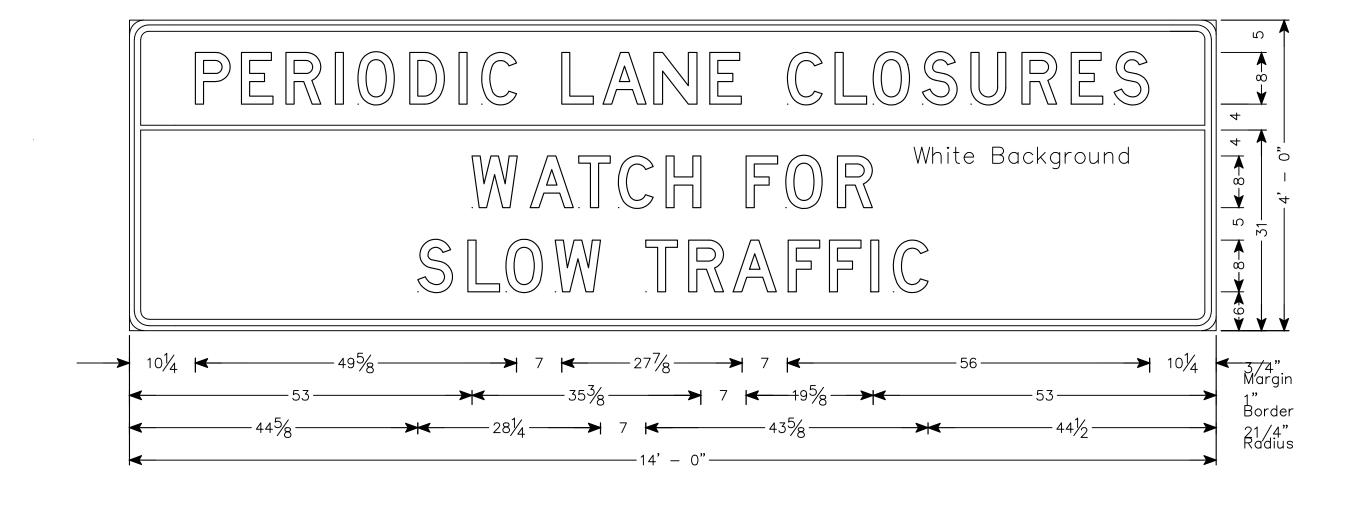
PLOT SCALE: 39.695175:1.000000

WISDOT/CADDS SHEET 42

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

Background - Orange except as noted Message - Black

3. Message Series - D



FILE NAME : C:\WISDOT\DESIGN\C3D\10220036\SHEETSPLAN\070120_SD.DWG

COUNTY: EAU CLAIRE

TEMPORARY SIGNING

PLOT NAME :

PLOT SCALE : 0.067386

WISDOT/CADDS SHEET 42

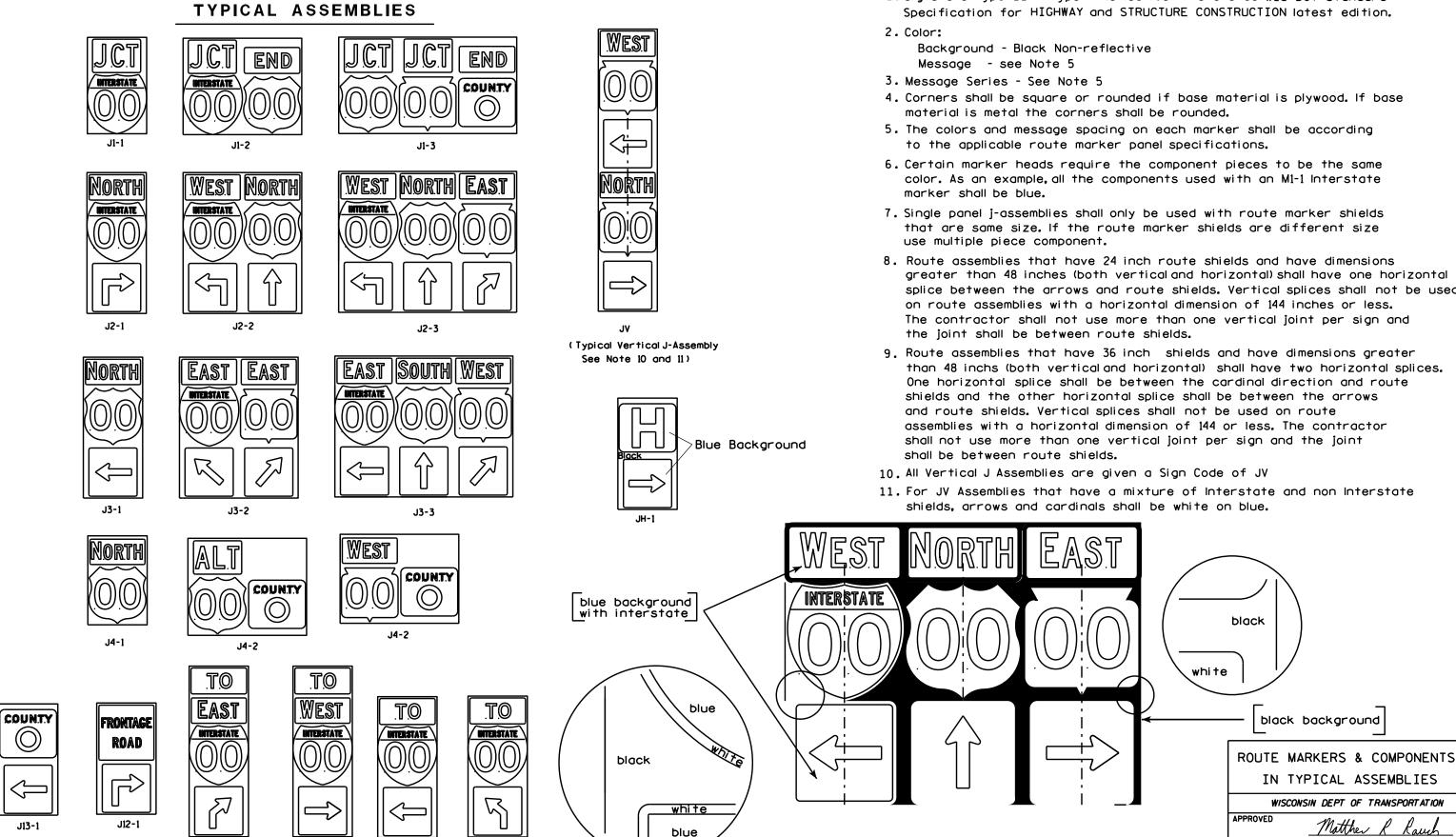
SHEET

PROJECT NO:1022-00-66 & 1022-00-80 | HWY: IH 94

PLOT DATE: 7/9/2014 8:49 AM PLOT BY : K. KOPACZ

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

areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J32-1

J22-1

J23-1

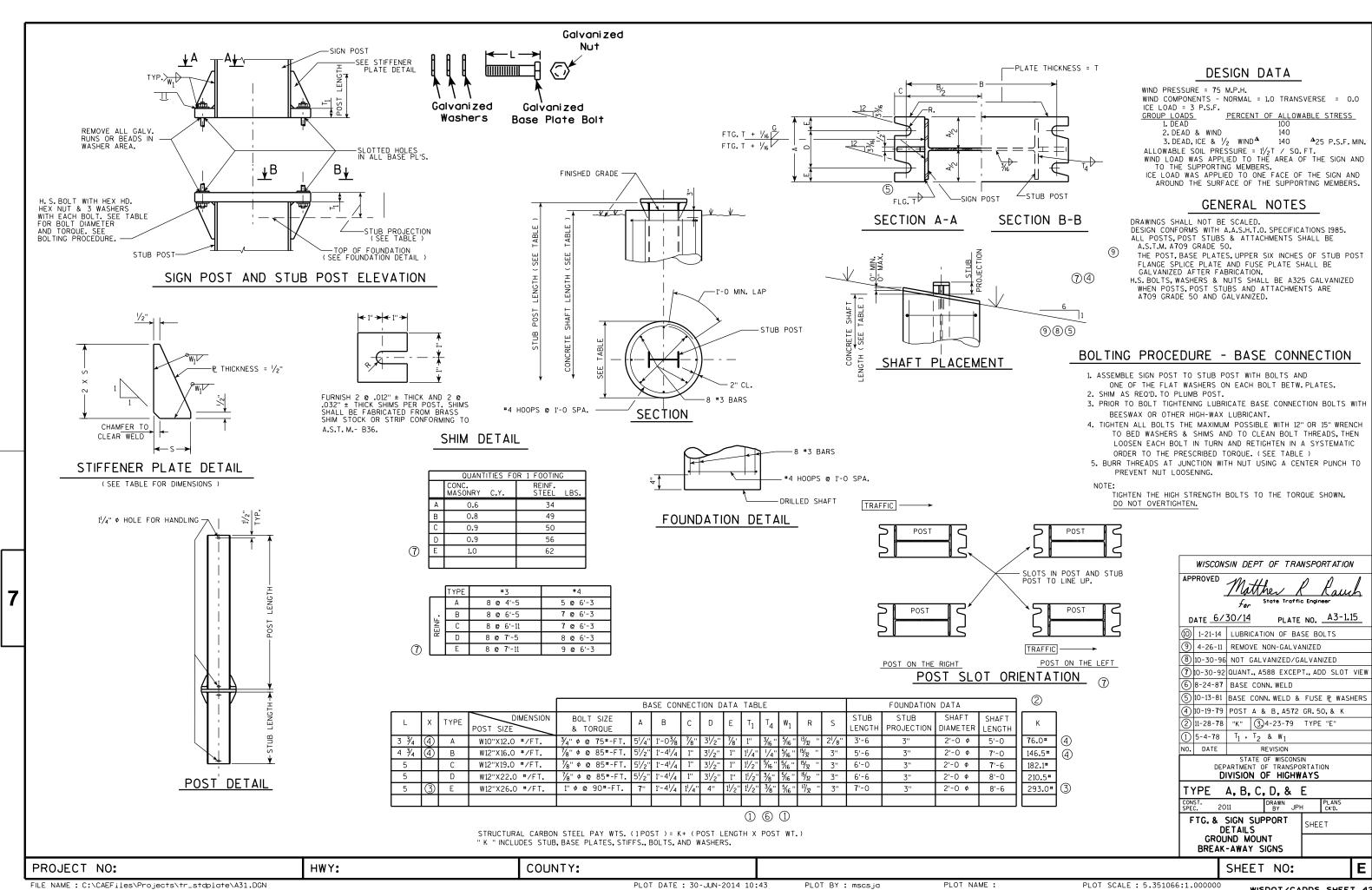
J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

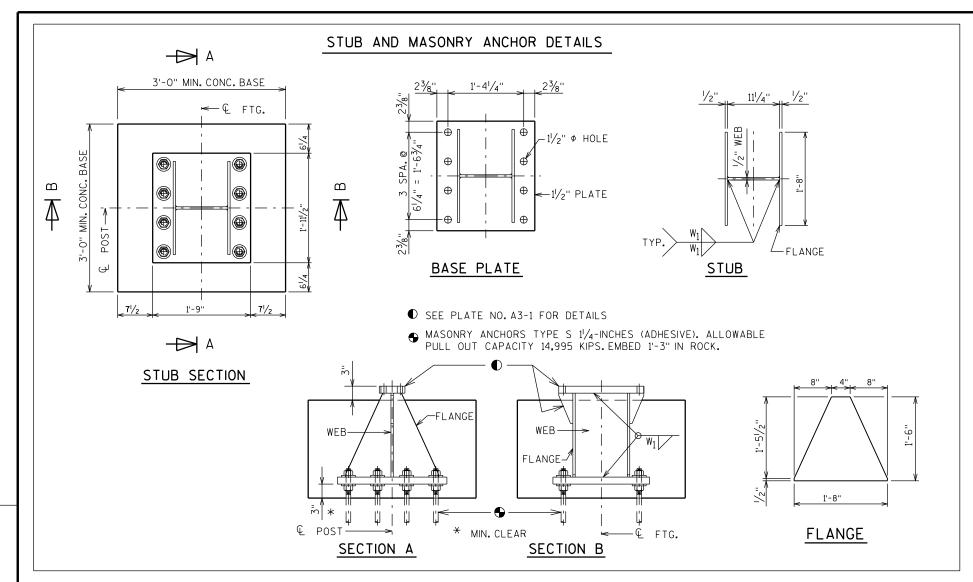
DATE 2/06/14

SHEET NO:

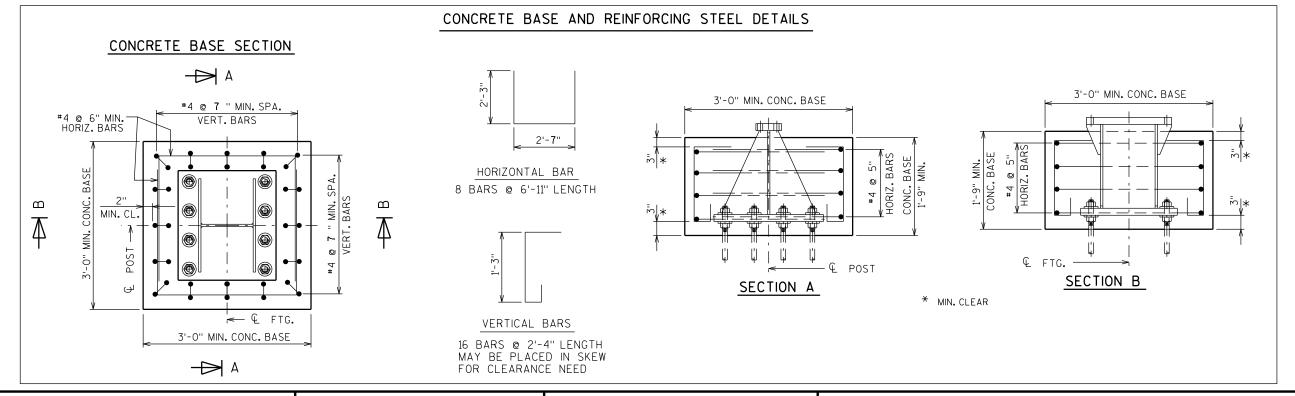


PLOT SCALE: 5.351066:1.000000

WISDOT/CADDS SHEET 42



- 1. Quantities per Base:
 - REINFORCING BAR STEEL = 62 LBS
 - CONCRETE = 0.6 C.Y.
 - STEEL WEIGHT = 335 LBS
- 2. All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
- 3. If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.



COUNTY:

ALTERNATE BREAK-AWAY
BASE ON ROCK
A3-1M

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 2/06/2014 PLATE NO. A3-1M.1

SHEET NO:

0-MAR-2014 15:16 PLOT BY: mscj9h

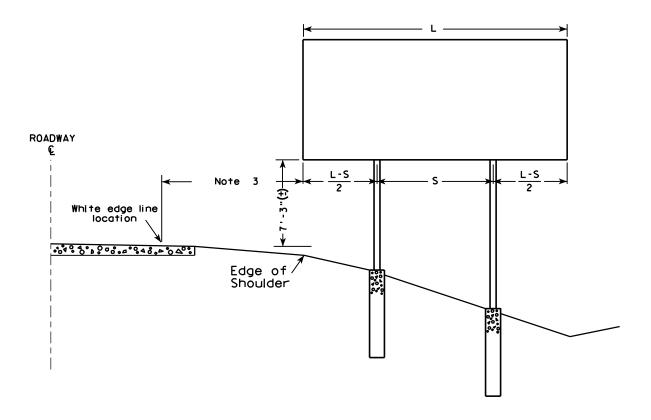
PLOT NAME :

PLOT DATE: 10-MAR-2014 15:16

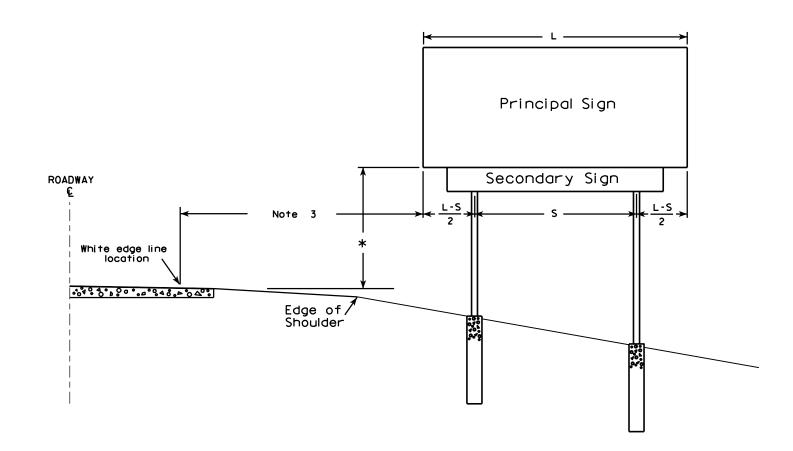
PLOT SCALE : 1.556674:1.000000

HWY:

PROJECT NO:



- 1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
- 2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
- 3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
- 4. The (+) tolerance shown on this sheet is 3 in.
- 5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
- 6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
- 7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.



* Clearance is $8'-3''(\pm)$ when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be $5'-3''(\pm)$.

> TYPICAL INSTALLATION OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer PLATE NO. <u>A4-1.9</u>

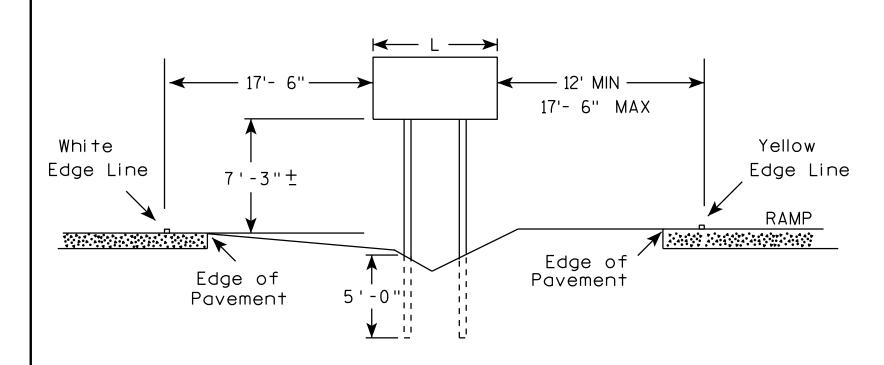
DATE 4/02/08

SHEET NO:

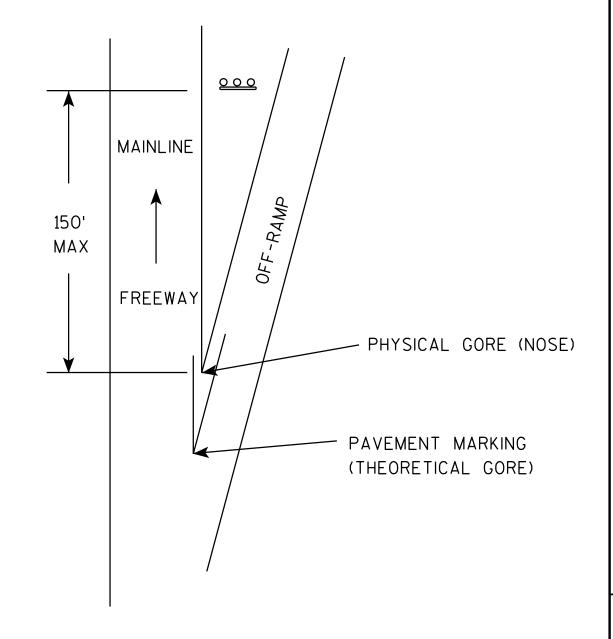
PROJECT NO:

PLOT DATE: 02-APR-2008 15:49

PLOT BY : ditjph



- 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:

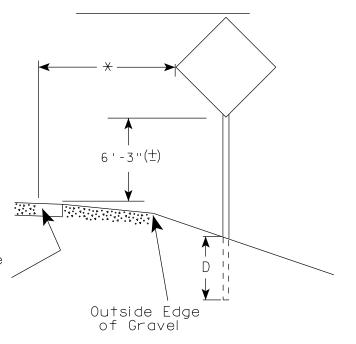
PLOT DATE: 06-FEB-2014 12:36

PLOT BY: mscsja

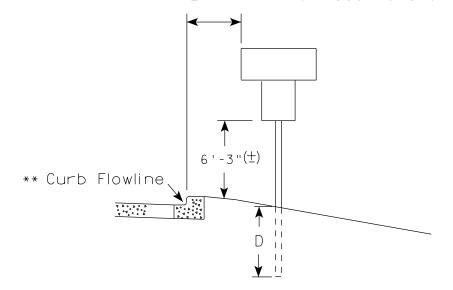
URBAN ARFA

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

RURAL AREA (See Note 2)



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



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

White Edgeline Location

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

HWY:

That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

PLOT DATE: 12-NOV-2014 14:03

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (\pm).

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 11/12/14

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

PLOT BY: mscsja

PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT SCALE: 99.237937:1.000000



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

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

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

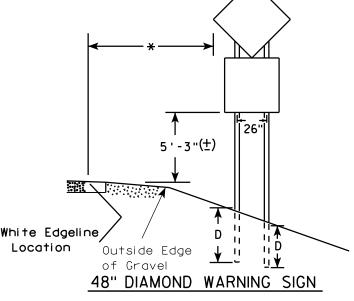
WISDOT/CADDS SHEET 42

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

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

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

D 11



COUNTY:

Outside Edge

of Gravel

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

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

HWY:

White Edgeline,

Location

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

Location

Outside Edae

of Gravel

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

PLATE NO. A4-4.13

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

PROJECT NO:

PLOT DATE: 12-NOV-2014 14:01

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

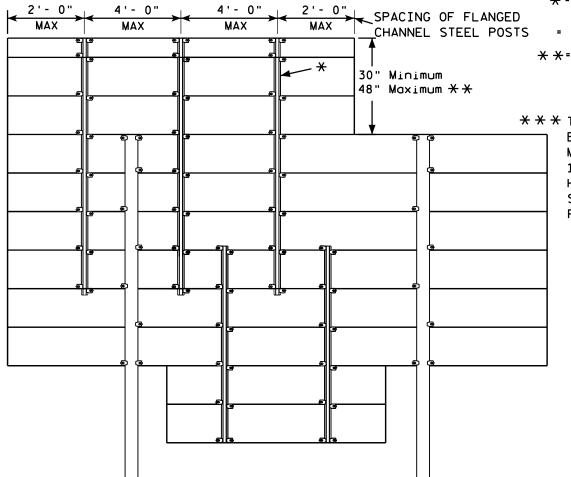
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/12/14





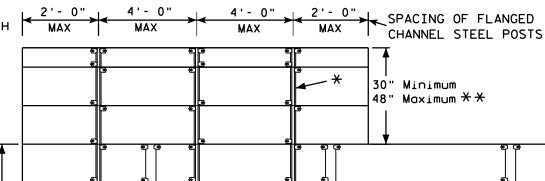
*=2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH

CHANNEL STEEL POSTS = 60,000 PSI (GRADE 60) GALVANIZED

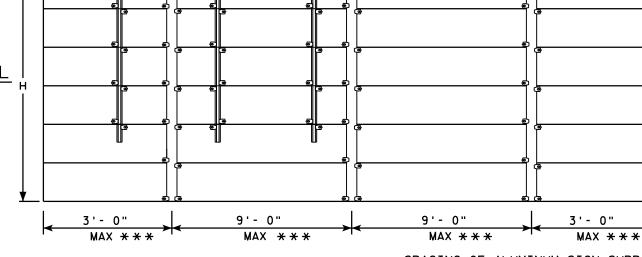
SIGN BRIDGE MOUNTED SIGN

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

* * THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.



FLANGE CHANNEL DETAIL 1/₄ → NOT TO SCALE



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

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.

2'- 0"

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

PLOT BY: mscs.ja

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

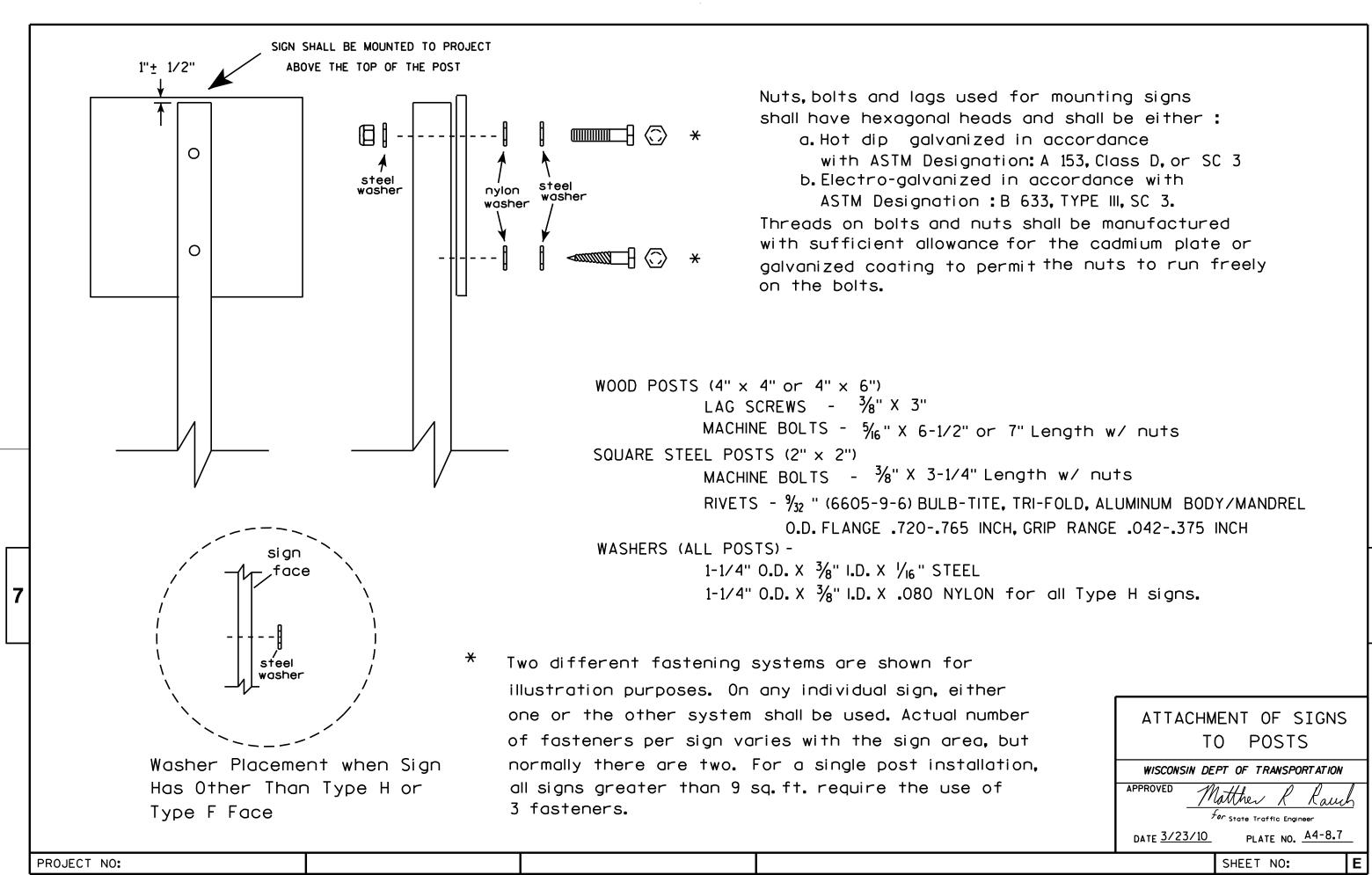
DATE 12/05/13

PLATE NO. A4-6.12

SHEET NO:

PROJECT NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A46.DGN





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

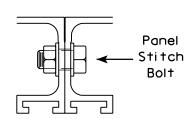


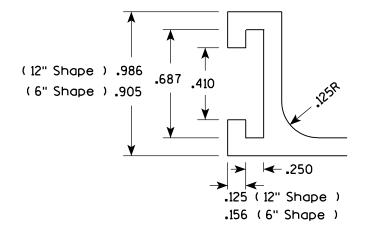
STITCH BOLT, WASHER & NUT

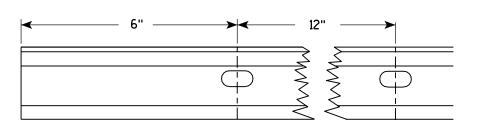
The hardware includes:

3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy 3/8 " - Stainless steel stop nut

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







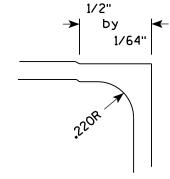
.078

← 2" →

6" Extrusion Minimum Weight 1.1 lb./ft.

←.125

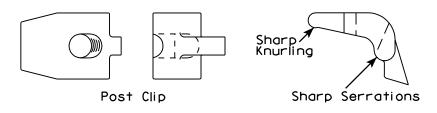
Punch $7/16" \times 7/8"$ oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

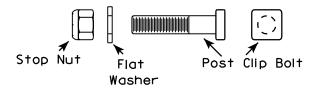


PLOT BY : DOTDZK

POST CLIP, POST CLIP BOLT, WASHER & NUT

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





NOTES

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

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Les to J Spany

for State Traffic Engineer

DATE 11/18/99

PLATE NO. 45-2.9

SHEET NO:

PROJECT NO:

PLOT DATE: 28-SEP-2005 07:20

12" Extrusion

Minimum Weight

2.45 lb./ft.

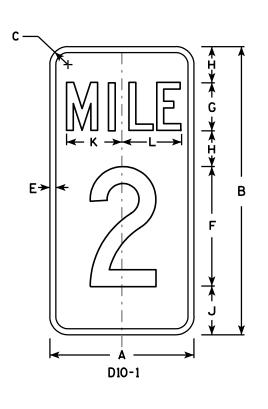
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

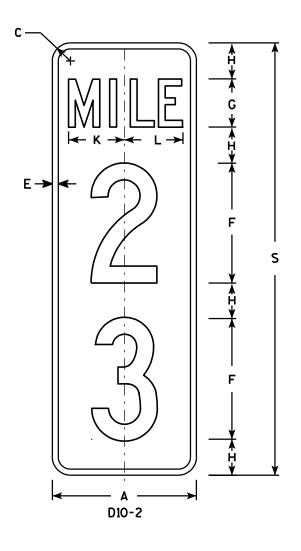
2. Color:

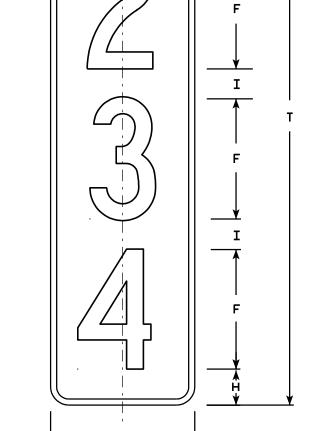
Background - Green

Message - White - Type H Reflective

- 3. Message Series 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.
- Optically adjust numerals about the centerline of the sign to achieve proper balance.







D10-3

Metric equivalent for this sign is:

	11113 31911 13.
PHY. SIZE	
12 X 24	300 mm X 600 mm
12 X 36	300 mm X 900 mm
12 X 48	300 mm X 1200 mm

		•				•																				
SIZE	Α	В	С	D	Е	F	O	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z
1																										
2																										
3																										
4	12	24	1 1/2		1/2	10	4	3	2 1/2	4	4 5/8	4 1/8		·					36	48						
5	12	24	1 ½		1/2	10	4	3	2 1/2	4	4 %	4 1/8							36	48						
														,						_						

STANDARD SIGN D10-1 , D10-2 & D10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J Spany
for Director, Office of Traffic

DATE 1/16/02 PLATE NO. D10-3.2

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\D103.DGN

PROJECT NO:

PLOT DATE: 28-SEP-2005 08:20

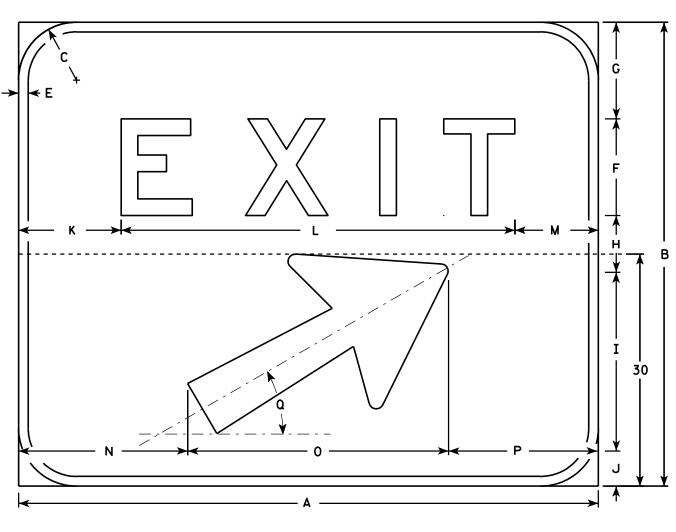
PLOT BY : DOTDZK

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

Background - Green

Message - White (Type H reflective)

- 3. Message Series E
- 4. Corners may be square or rounded but borders shall be rounded as shown.
- 5. Base material for this sign shall be plywood and shall be split into two seperate pieces for the 72 x 60 size as shown on the detail by the dashed line (-----).
- 6. Arrow is Type "A" from sign plate A1-1.
- 7. As per the Standard Spec's, this sign shall not have a vertical joint.



Metric equivalent for this sign is:

SIZE					
1					
2					
3					
4	1500	mm	X	1200	mm
5	1800	mm	X	1500	mm

PROJECT NO:

E5-1

Area sq. ft. SIZE Ε 0 2 3 5 % 18 1/2 3 % 10 % 40 3/4 8 % 17 1/2 27 15 1/2 30° 4 60 48 10 10 20.0 1.80 18 1/2 7 1/2 13 1/4 48 1/2 10 1/4 23 1/2 27 21 1/2 5 72 12 12 10 30.0 2.70 60

COUNTY:

STANDARD SIGN

E5 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 6/22/00 PLATE NO. E5-1.8

SHEET NO:

FILE NAME : C:\Users\Projects\tr_stdplate\E51.DGN

HWY:

PLOT DATE: 12-0CT-2005 10:13

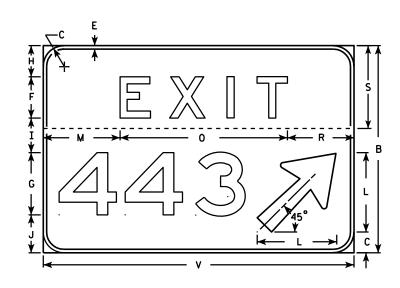
PLOT BY : DITJPH

PLOT NAME :

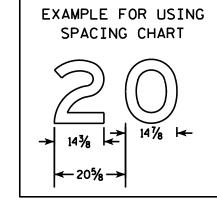
PLOT SCALE: 9.934722:1.000000

WISDOT/CADDS SHEET 42

NOTE: T diminision shall be measured from the back of the number to the front of the arrow



HWY:



NOTES

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

Background - Green Message - White (Type H reflective)

- 3. Message Series E
- 4. Corners may be square or rounded but the border shall be rounded as shown.
- 5. Base material for this sign shall be plywood and shall be split into two seperate pieces as shown on each detail by the dashed line (-----).
- 6. Arrow is Type "A" from sign plate A1-1.
- 7. Substitute appropriate message, space per the table and adjust placement on sign to achieve proper balance.
- 8. As per the Standard Spec's, these signs shall not have a vertical joint.

SPACING CHART FOR 18" NUMERALS

NUMBERS	WIDTH	0	1	2	3	4	5	6	7	8	9	A	В	С
0	14 1/8	21 %	21 %	21 1/4	20 ¾	21 1/4	21 1/4	21 %	19 %	22 1/8	21 %			
1	5 %	14	14	14	13 1/8	12 1/8	14	14	12 1/4	14	14			
2	14 3/8	20 %	21 1/8	20 %	19 ¾	20 1/4	20 %	20 %	18 1/8	21 1/8	20 %			
3	14 3/8	20 ¾	21 1/8	20 ¾	20 1/4	19 ¾	20 ¾	20 ¾	19 ¾	21 1/8	20 ¾			
4	16 5/8	22 1/8	22	22 1/2	21 %	21 %	22 1/8	22 1/8	20 %	23 3/8	22 1/8			
5	14 1/4	20 %	20 %	20 1/8	18 ¾	18 ¾	20 %	20 %	18 3/8	20 %	20 %			
6	14 1/2	21 1/4	20 ¾	20 ¾	19 1/8	19 1/2	20 ¾	20 ¾	19	20 ¾	20 ¾			
7	14 3/8	19 ¾	19 ¾	20 1/4	19 ¾	17	19 ¾	20 %	18	20 %	19 ¾			
8	14 1/4	21 1/2	21 1/2	20 %	19 1/4	19 ¾	20 %	21 1/2	19 %	21 1/2	20 %			
9	14 1/2	21 1/4	21 1/4	20 1/8	20	20 %	20 %	21 1/4	19 1/2	21 ¾	21 1/4			
A	18	19 ¾	19 ¾	20 1/4	19 ¾	17	19 ¾	20 %	18	20 %	19 ¾	21 5/8	23 1/8	23
В	14 1/4	21 1/2	21 1/2	20 %	19 1/4	19 ¾	20 %	21 1/2	19 %	21 1/2	20 %	19 1/2	22 3/8	21 1/2
С	14 1/4	21 1/4	21 1/4	20 1/8	20	20 %	20 %	21 1/4	19 1/2	21 ¾	21 1/4	18 3/8	21	19 ¾

SIZE	A	В	С	D	Ε	F	G	Н	ı	J	K	L	М	N	0	Р	0	R	S	T	U	v	W	x	Y	Z
2																										
3																										
4																										
5	72	60	6		1	12	18	9	10	11	8 %	23	22 1/4	13 1/4	48 1/2	10 1/4		19 1/4	24	7		90		96	7 1/2	

COUNTY:

Sq. Ft. 30 37.5 STANDARD SIGN E5-1A

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer DATE 5/11/10 PLATE NO. E5-14.12

SHEET NO:

PROJECT NO:

PLOT DATE: 11-MAY-2010 15:32

PLOT NAME :

PLOT BY : dotsja

PLOT SCALE: 27.808870:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\E51A.DGN

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

2. Color:

Background - Orange Message - Black

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



Metric equivalent for this sign is:

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

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 110 00 00 110

for State Traffic Engineer

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

SHEET NO:

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

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

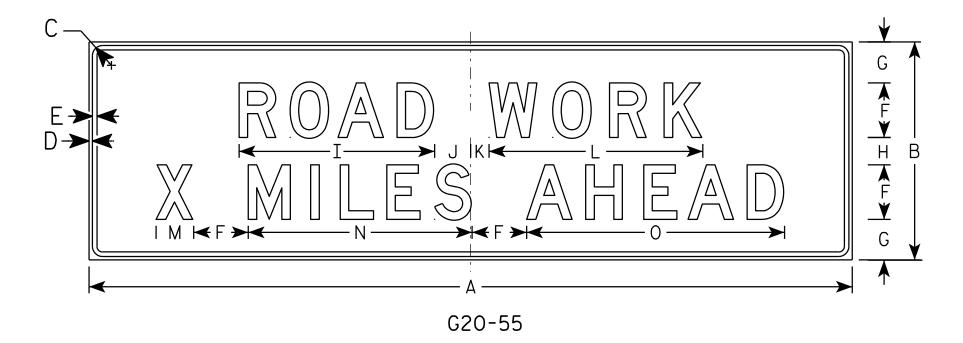
PLOT SCALE : 5.561773:1.000000

5.561773:1.000000 WISDOT/CADDS SHEET 42

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

Background - Orange Message - Black

- 3. Message Series D
- 4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



Metric equivalent for this sign is:

	SIZE					
	1					
	2					
	3					
	4	2550	mm	X	900	mm
- 1	-					

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	0	R	S	T	J	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2																												
3																												
4	84	24	1 1/8	3∕8	1/2	6	4 1/2	3	21 1/2	4	2	23 1/2	4 1/8	24 %	28 3/8												25.5	2.30
5																												

COUNTY:

STANDARD SIGN G20-55

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

For State Traffic Engineer

DATE 9/30/09

PLATE NO. G20-55.2

PLOT DATE: 30-SEP-2009 09:40 PLOT BY: ditjph

PROJECT NO:

HWY:

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Top Red - Bottom Blue (See Note 6) Message - White - See Note 6

- 3. Message Series See note 5
- 4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
- 5. M1-1 Numerals D Interstate - C

M1-1A - All copy - C

6. Permanent Signs

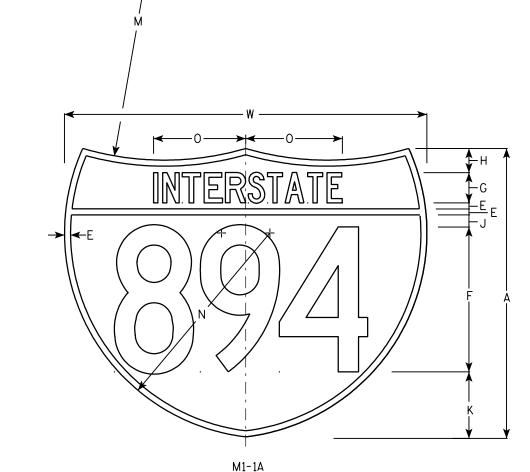
Message - Type H Reflective

Detour or other temporary signs Background - Reflective

Message - Reflective

M1-1

HWY:



PLOT DATE: 13-OCT-2005 14:49

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

<u></u>	100	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	X 300	וווווו		J00 I	IIIII X I	123 11111	<u>' </u>																	M1-1	W1-1A	W1-1	W1-1A
SIZE	Α	В	С	D	E	F	G	Ι	I	J	K	L	М	N	0	Ρ	a	R	S	T	U	٧	W	Х	Y	Area sq. ft.	Area sq. ft.	Area m2	Area m2
1																													
2	24				1/2	12	2 ½	2		1	5 ½	15	24	17	7 1/8								30			3 . 13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 ½	36	25 ½	11 ¾								45			7.03	8.79	. 81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 ½	36	25 ½	11 ¾								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 ¾								45			7.03	8.79	. 81	1.05

COUNTY:

INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

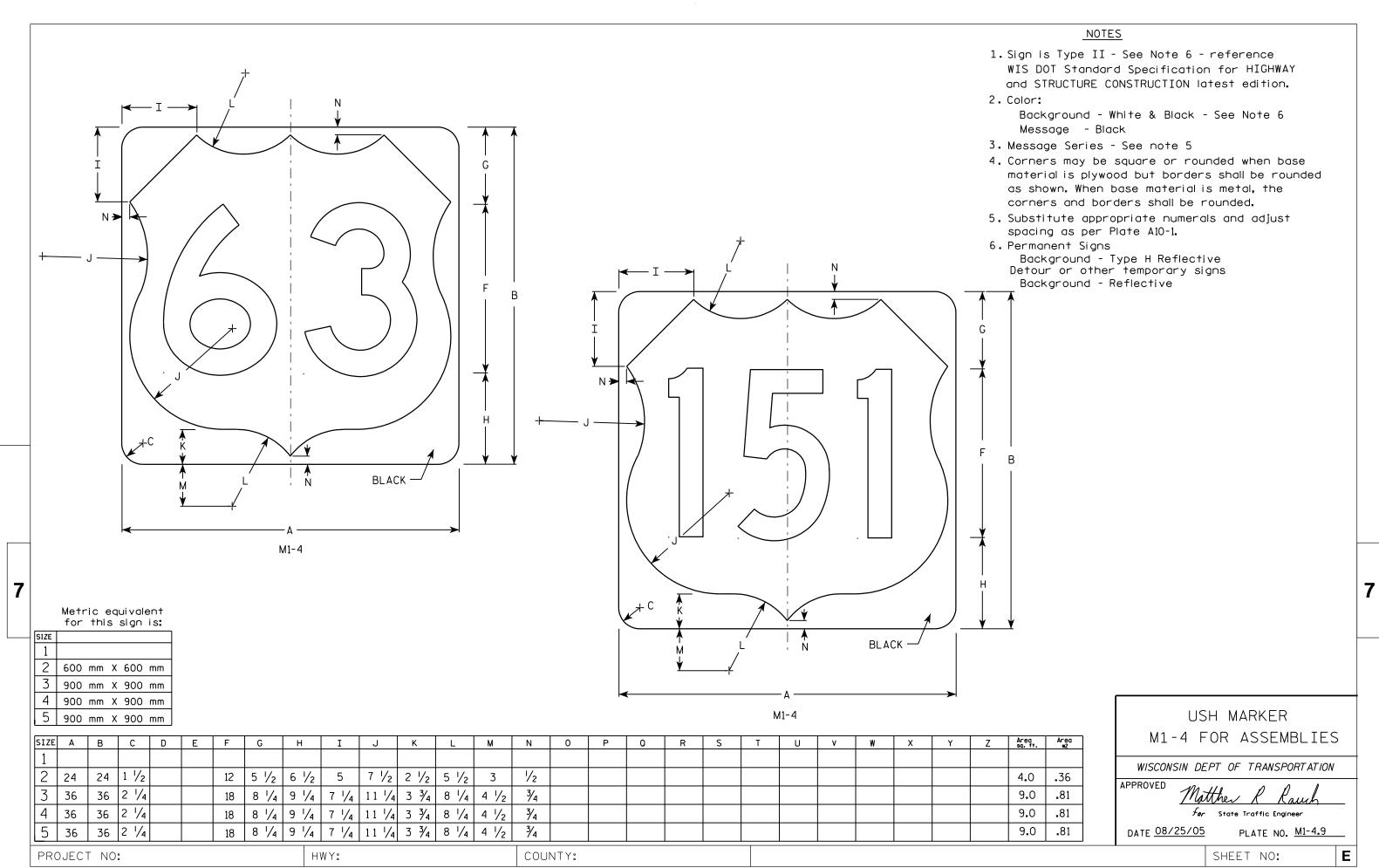
DATE 08/23/05

For State Traffic Engineer

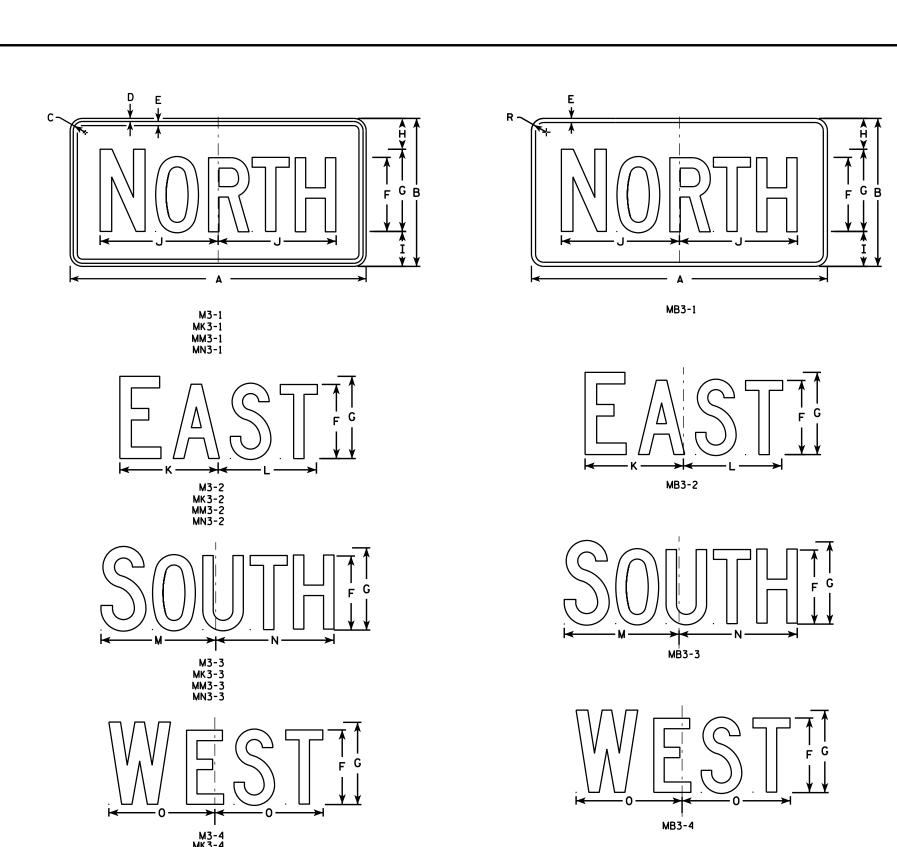
SHEET NO:

PLOT BY : DITJPH PLOT NAME :

PROJECT NO:



FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN



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

Background - See note 5 Message - See note 5

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

Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

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

	SIZE A B C D E F G H I J K L M N O P O R S T U V W X Y Z 1																									
SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	0	R	S	T	U	v	W	Х	Y	Z	Areq sq. ft.
1																										
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4 7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8 12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

For State Traffic Engineer

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

SHEET NO:

07.001/5...14.675054.4.000000

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

HWY:

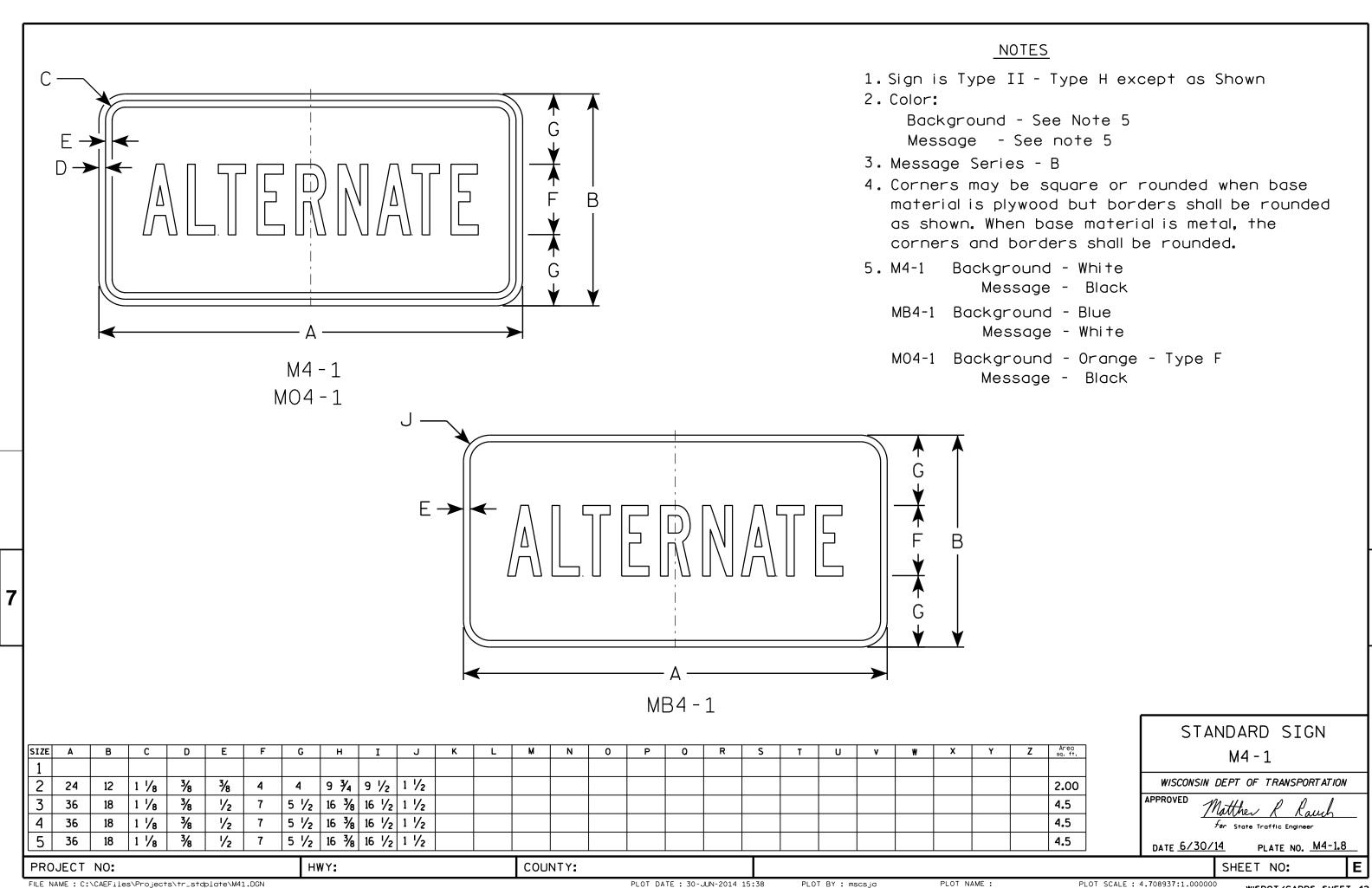
PROJECT NO:

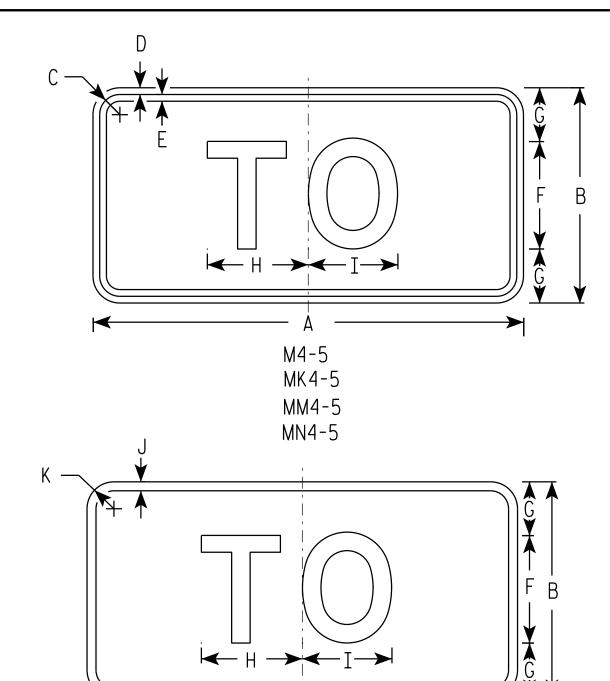
PLOT DATE: 30-JUN-2014 12:53

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000





MB4-5

HWY:

<u>NOTES</u>

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

Background - See note 5 Message - See note 5

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

Message - Black

MB4-5 Background - Blue

Message - White

MK4-5 Background - Green

Message - White

MM4-5 Background - White

Message - Green

MN4-5 Background - Brown

Message - White

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

COUNTY:

STANDARD SIGN M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther K Rawl

DATE 6/30/14 PLATE NO. M4-5.7

SHEET NO:

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

PROJECT NO:

PLOT DATE: 30-JUN-2014 12:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 5.351066:1.000000

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

Background - Orange Message - Black

- 3. Message Series 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.

) A G	
 	; B
→ G →	

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/10/10 PLATE NO. M4-8.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN

PROJECT NO:

HWY:

PLOT DATE: 10-NOV-2010 13:18

PLOT BY : ditjph

PLOT SCALE : 4.767

PLOT NAME :

PLOT SCALE: 4.767233:1.000000

WISDOT/CADDS SHEET 42

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

Background - See note 4 Message - See note 4

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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MG6-1 and MG6-2 Background - Green

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

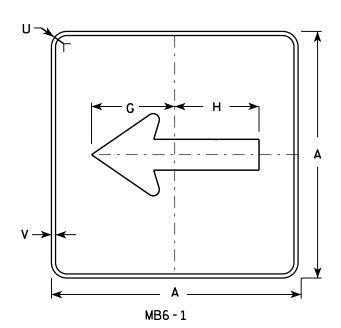
MR6-1 and MR6-2 Background - Brown

Message - Yellow

c —	
D ->	
	A
	M6 - 2
	MK 6 - 2



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



HWY:

M6 - 1

MK6-1

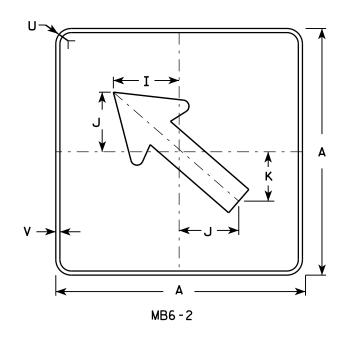
MM6 - 1

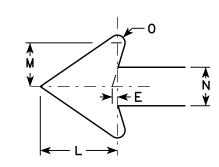
MN6-1

MO6 - 1

MP6-1

MR6-1





SIZE	Δ	В	C.	D	E	F	G	н	Т	J	К	L	М	N	0	Р	0	R	S	т	U	v	w	Х	Υ	Z	Area sq. ft.
1						<u> </u>			-											•		•	"				sq. 11.
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3∕4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 ¾	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3∕4						1 %	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3∕4						1 1/8	1/2					6.25

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

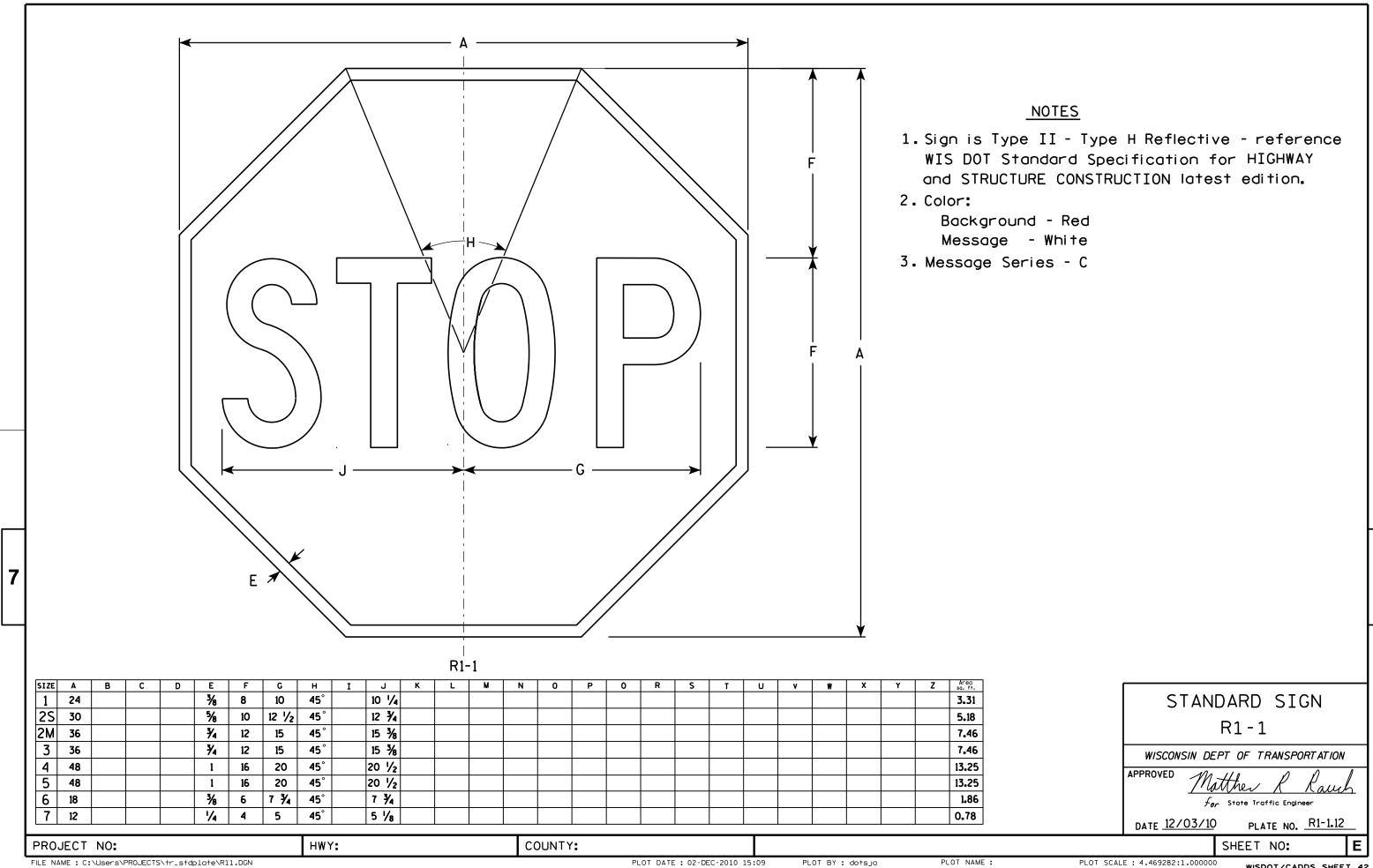
PLOT DATE: 03-JUL-2014 14:28

PLOT NAME :

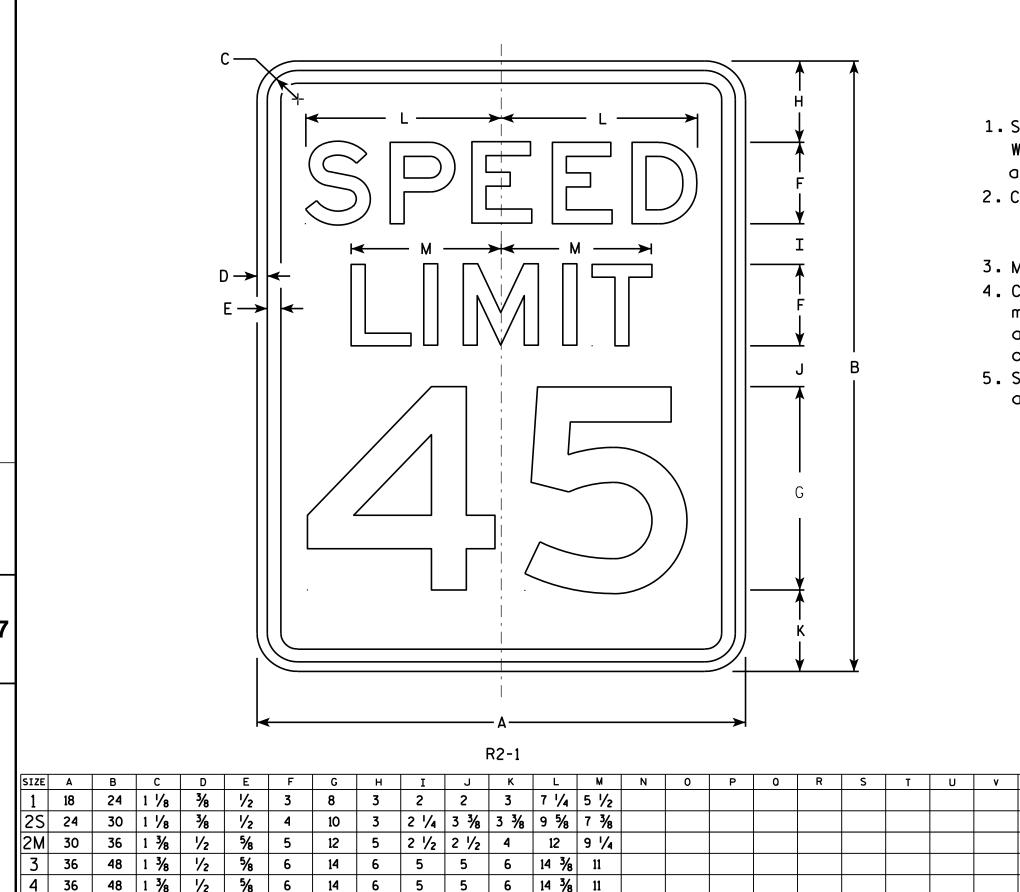
PLOT BY: mscsja

PLOT SCALE: 11.675051:1.000000

PROJECT NO:



WISDOT/CADDS SHEET 42



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

COUNTY:

20

HWY:

6

NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

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

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

SHEET NO:

2 1/4

60

5

48

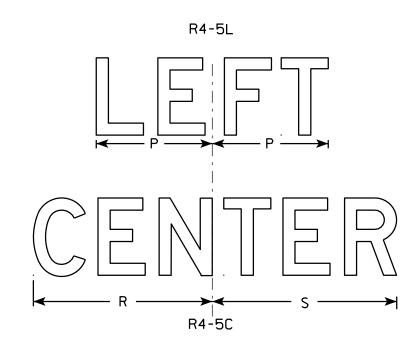
PROJECT NO:

PLOT NAME :

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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R4-5L & R4-5C are the same as R4-5 except LEFT or CENTER replaces RIGHT as order by code.



SIZE	Α	В	С	D	E	F	G	Н	I	٦	K	L	М	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	11/8	3∕8	1/2	4	3 %	2 1/4	9 %	9 3/8	5 1/8	5 1/8	7 3/4	7 1/4	7	6		9 1/4	9 1/2								5.0
2M	24	30	11/8	3/8	1/2	4	3 %	2 1/4	9 %	9 3/8	5 1/8	5 1/8	7 3/4	7 1/4	7	6		9 1/4	9 1/2								5.0
3																											
4	36	48	2 1/4	5/8	3/4	6	6	4	14 3/8	14 1/8	7 1/8	7 1/8	12 1/4	10 ¾	10 1/2	9 %		13 %	14 1/4								12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/8	18 3/4	10 1/4	10 1/8	15 3/8	14	13 %	12		18 1/2	19 1/8								20.0

COUNTY:

STANDARD SIGN R4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer DATE 3/25/2011 PLATE NO. R4-5.3

SHEET NO:

PLOT DATE: 25-MAR-2011 13:53

PLOT BY: mscsja

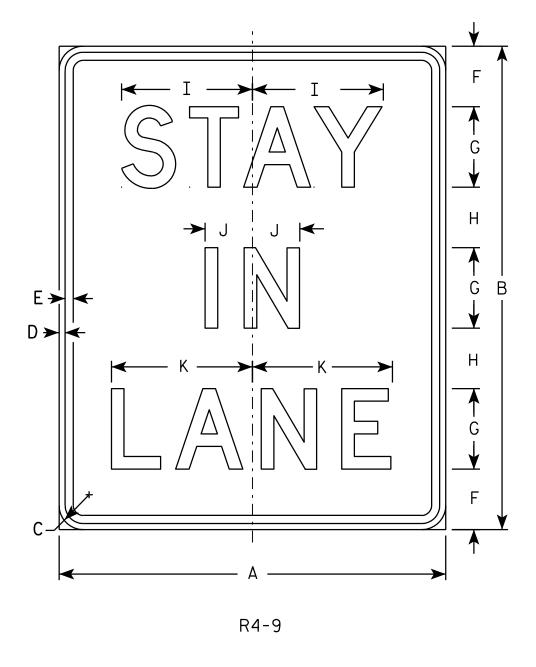
PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

PROJECT NO:

HWY:

PLOT NAME :



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

Background - WHITE Message - BLACK

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	18	24	1 1/8	3∕8	3/8	3	4	3	6 ½	2 3/8	7																3.0
25	24	30	1 1/8	3⁄8	1/2	3 %	5	3 %	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 %	5	3 %	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 %	17 1/2																20.0

STANDARD SIGN R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

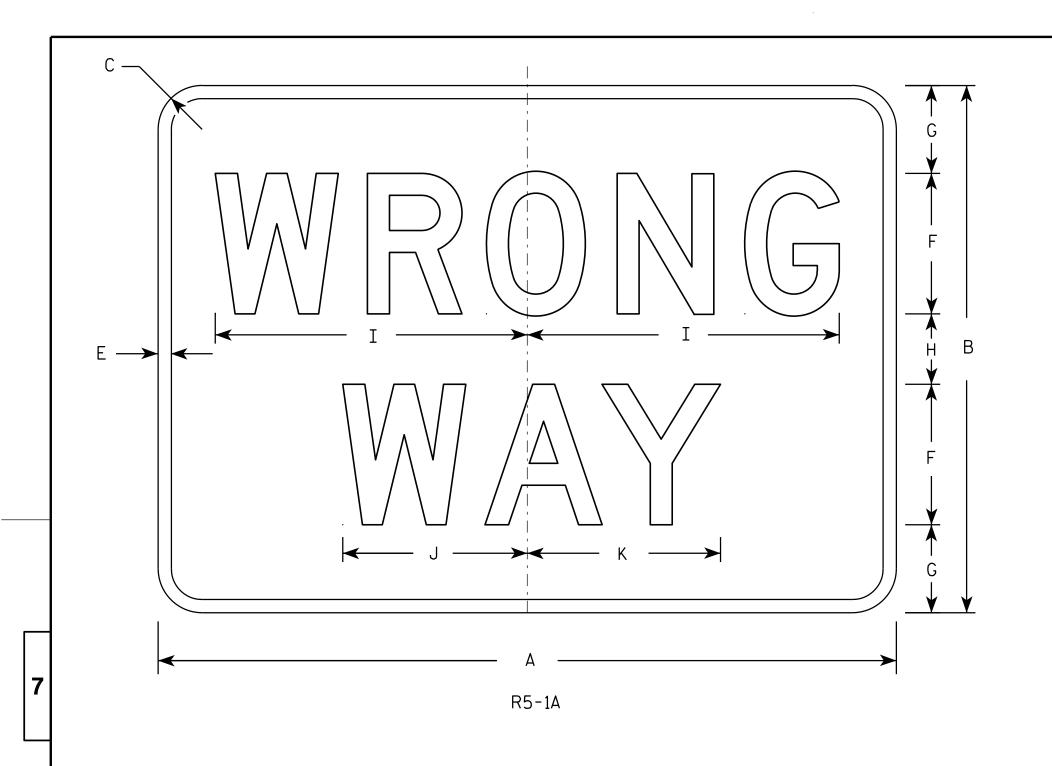
For State Traffic Engineer
DATE 3/25/2011 PLATE NO. R4-9.2

SHEET NO:

WISDOT/CADDS SHEET 42

PLOT DATE: 25-MAR-2011 14:17 PLOT BY: mscsja

PROJECT NO:



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

Background - Red Message - White

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

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

COUNTY:

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

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

DATE 12/17/10

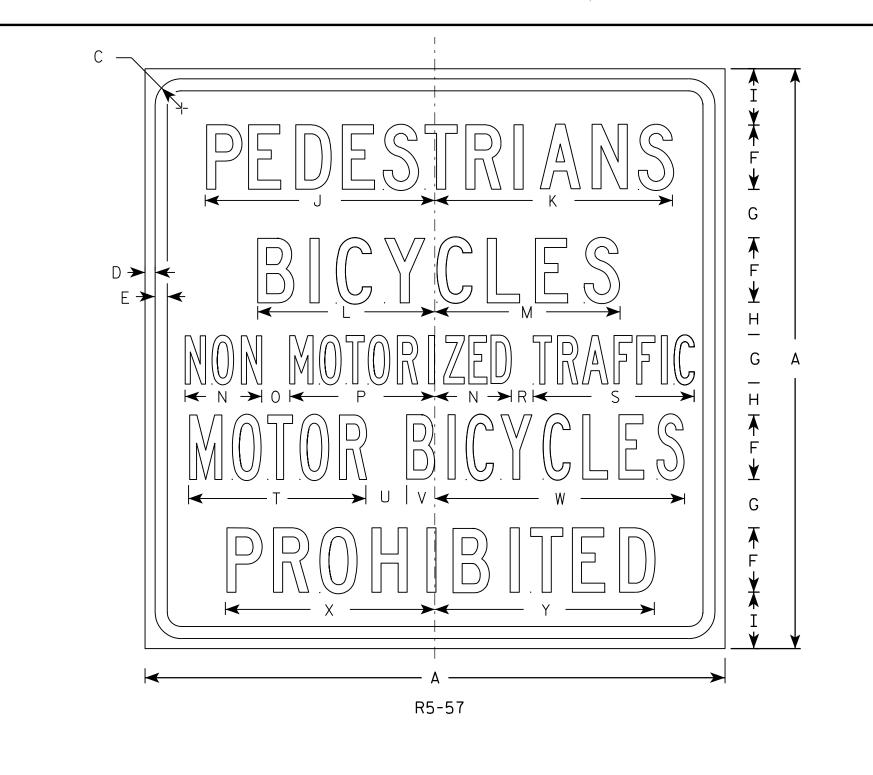
SHEET NO:

PROJECT NO:

HWY:

PLOT BY: dotsja

PLOT NAME :



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

Background - White Message - Black

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

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

COUNTY:

STANDARD SIGN R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

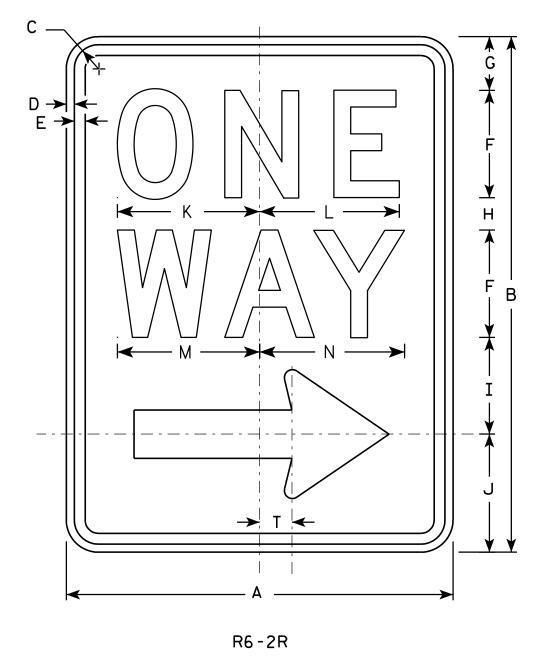
DATE 3/29/2011 PLATE NO. R5-57.10

SHEET NO:

PROJECT NO:

HWY:

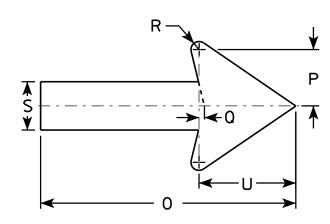
PLOT NAME :



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

Background - White Message - Black

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



SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 3/4	11 1/8	2 %	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 %	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
5																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8 SHEET NO:

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

HWY:

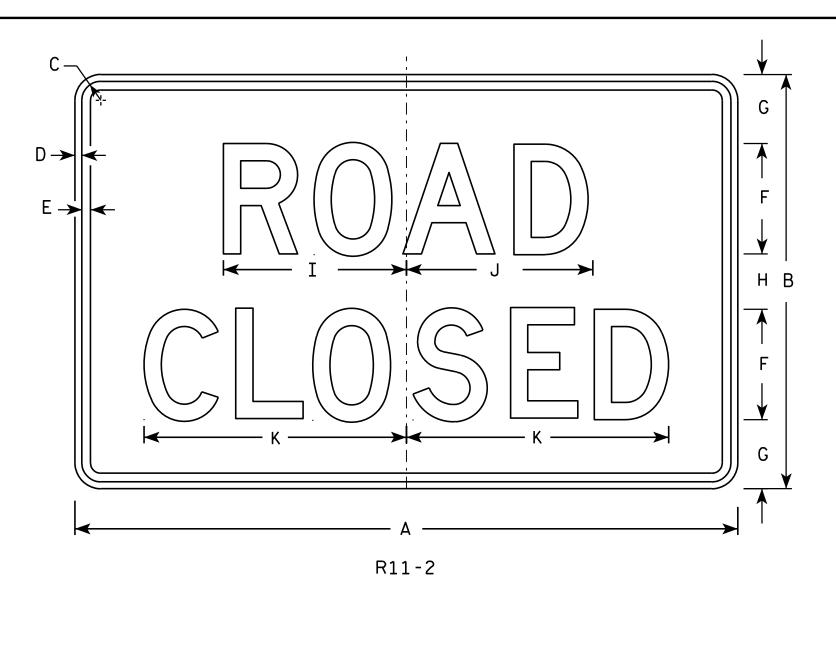
PROJECT NO:

PLOT DATE: 02-NOV-2010 15:25

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 4.469282:1.000000

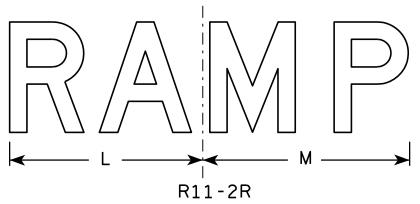


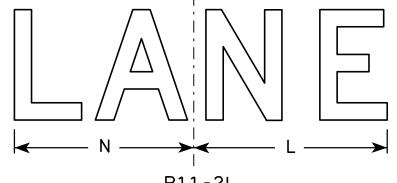
<u>NOTES</u>

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

Background - White Message - Black

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





R	1	1	-	2	L

PLOT NAME :

SIZ	Έ	A	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																												
2	S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
21	I	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
3		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5		48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0

COUNTY:

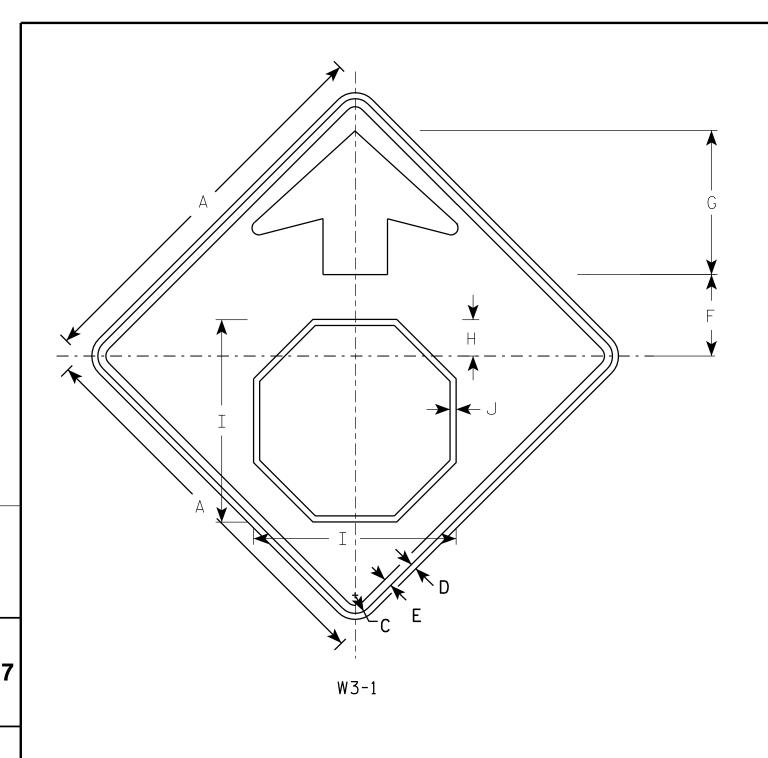
STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

HWY:

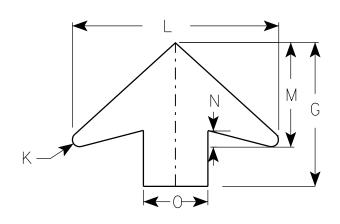


- 1. All Signs Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW	DFTAII
$\neg \cdots $	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Ρ	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 1/8	15 ¾	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
2M	36		1 %	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
3	36		1 1/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
4	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	7 ⁄8	25 %	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 1/8	4 1/2	25 1/8	₹4	7 /8	25 %	13	2	8												16.0

STANDARD SIGN W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

For State Traffic Engineer

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

SHEET NO:

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

⊬L¦→

W4-1R

HWY:

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	د	v	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 %	9 1/2	3/4									6.25
25	36		1 %	5/8	3/4	14	2 3/4	6	15 ¾	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 %	10 %	11 3/8	1 / ₈									9.0
2M	36		1 %	5/8	3/4	14	2 3/4	6	15 ¾	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 %	10 %	11 3/8	1∕8									9.0
3	36		1 %	5/8	3/4	14	2 3/4	6	15 ¾	13 1/4	10 1/4	5 1/4	6 %	45°	3 %	10 %	11 3/8	1 /8									9.0
4	48		2 1/4	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		2 1/4	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 W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Mathew Rauw

For State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-1.14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W41.DGN

PROJECT NO:

PLOT DATE: 12-MAR-2013 11:06

PLOT NAME :

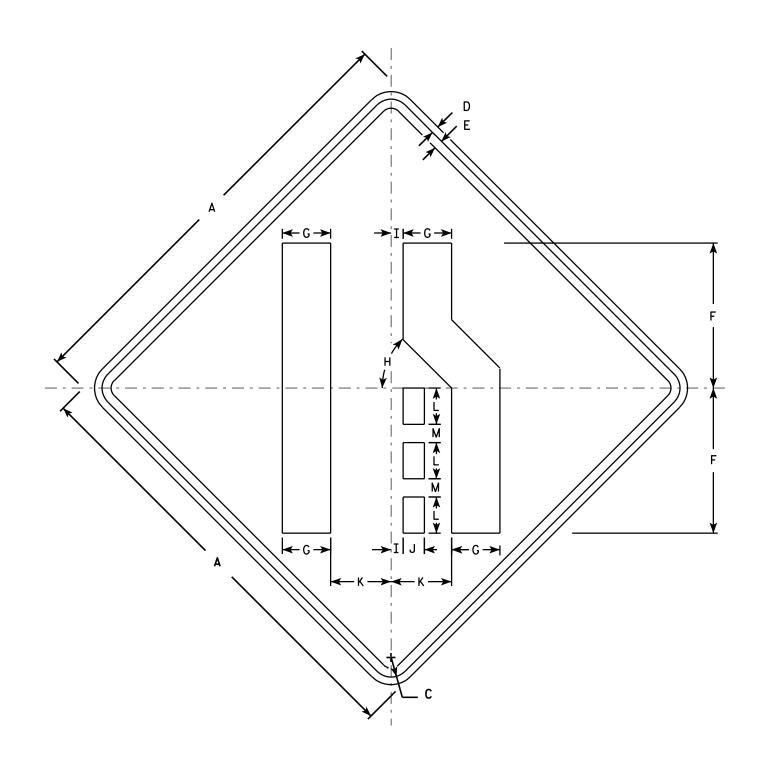
PLOT BY: mscsja

PLOT SCALE : 6.202372:1.000000

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-2L is the same as W4-2R except the symbolis reversed along the vertical centerline.



W4-2R

Z	Y	Х	W	٧	U	T	S	R	0	Р	0	N	M	L	K	J	I	Н	G	F	E	D	С	В	Α	SIZE
													1 1/4	2 1/2	4 1/4	1 1/2	1 / ₈	45°	3 %	10	5/8	1/2	1 3/8		30	1
	1												1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 %		36	25
	1												1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 %		36	2M
9													1 1/2	3	5	1 3/4	1	45°	4	12	3/4	5/8	1 1/8		36	3
1													2	4	6 ¾	2 3/8	1 1/4	45°	5	16	1	3/4	2 1/4		48	4
	1												2	4	6 3/4	2 3/8	1 1/4	45°	5	16	1	3/4	2 1/4		48	5
=	=												2	4	6 3/4	2 3/8	1 1/4	45°	5 3/8	16	1	3 /4	2 1/4	NO:	48 JECT	

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/12/13

PLATE NO. W4-2.14 SHEET NO:

For State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W42.DGN

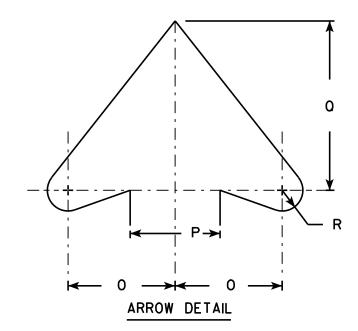
PLOT DATE: 12-MAR-2013 11:09

PLOT BY: mscsja

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-3 L is the same as W4-3 R except the arrow is reversed along the vertical centerline.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		10 %	6 1/4	1 1/4	1 1/8	2 1/2	15	9 %	45°	3 %	3 1/4	6 1/8	3/4	6 %	10 %							6.25
25	36		1 %	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 %	45°	4 %	4	7 3/8	7 ⁄8	7 3/4	12 3/4							9.0
2M	36		1 %	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 %	45°	4 %	4	7 3/8	7/8	7 3/4	12 3/4							9.0
3																											
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 ½	9 %	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 ¾	45°	6 1/4	5 ½	9 %	1 1/4	10 1/4	17							16.0

W4-3R

STANDARD SIGN W4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R

Fac State Traffic Engineer

DATE <u>03/12/13</u>

PLATE NO. <u>W4-3.8</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W43.DGN

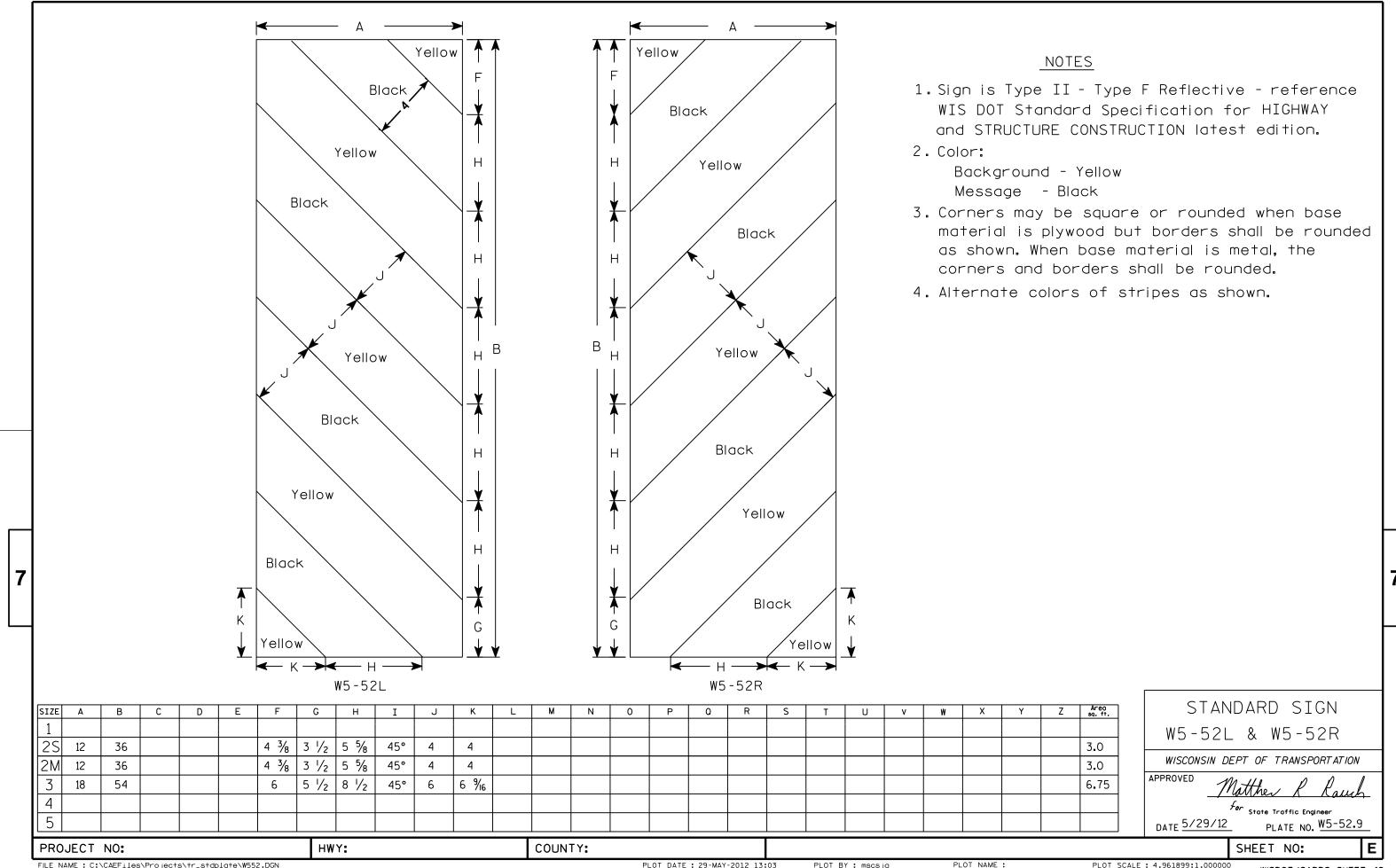
PROJECT NO:

W4-3L

PLOT DATE: 12-MAR-2013 11:31

PLOT BY: mscsja

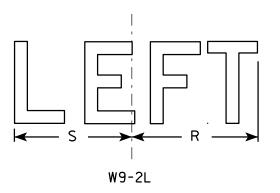
6.946657:1.000000



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

Background - Yellow Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series C, lines 2 & 3 are Series D.
- 6. W9-1L is the same as W9-2R except the word LEFT replaces RIGHT.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	2 1/2	3	8	1	1 1/8	8 1/4	10 3/8	10 %	8 %	9 %		7 5/8	7 1/8								6.25
2S	36		1 1/8	5/8	3/4	6	3	4	10 3/8	1 %	1 1/2	11	12 3/8	12 3/4	10 1/4	11 3/4		9 1/8	8 1/2								9.0
2M	36		1 1/8	5/8	3/4	6	3	4	10 3/8	1 %	1 1/2	11	12 3/8	12 3/4	10 1/4	11 3/4		9 1/8	8 1/2								9.0
3																											
4	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 ¾	16 %	17 1/8	13 3/4	15 3/4		12 1/4	11 1/4								16.0
5	48		2 1/4	3/4	1	8	4	6	14 1/2	2	3 1/4	13 ¾	16 3/8	17 1/8	13 ¾	15 ¾		12 1/4	11 1/4								16.0

W9-2R

STANDARD SIGN W9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rawh

DATE <u>03/18/13</u>

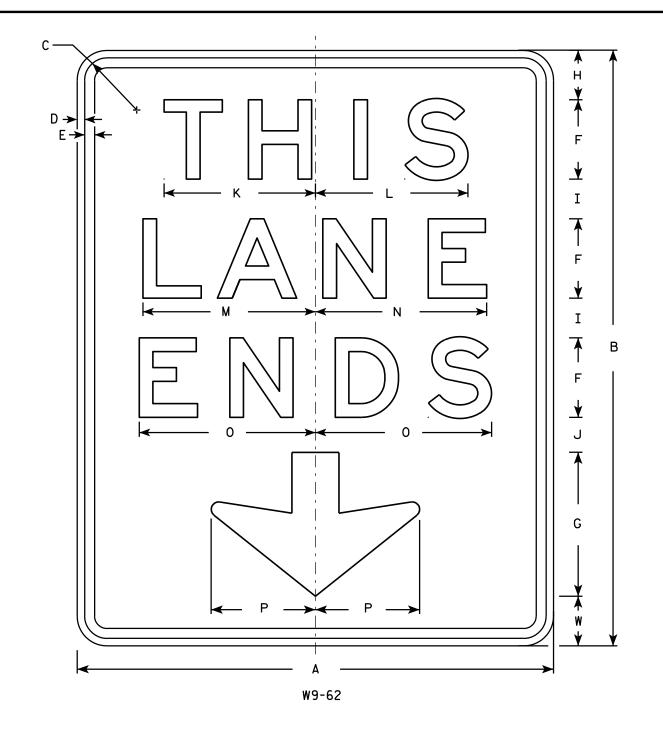
PLATE NO. W9-2.10

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W92.DGN

PLOT DATE: 18-MAR-2013 12:01

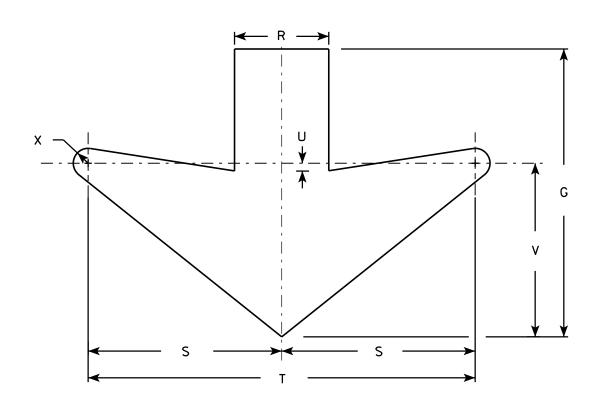
PLOT BY: mscsja



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

Background - Yellow Message - Black

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



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2S	48	60	2 1/4	3∕4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2M	48	60	2 1/4	3∕4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
3																											
4	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 %	16		6 1/2	15	30	2	15	7	1			45.0
5	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 %	16		6 1/2	15	30	2	15	7	1			45.0

STANDARD SIGN W9-62

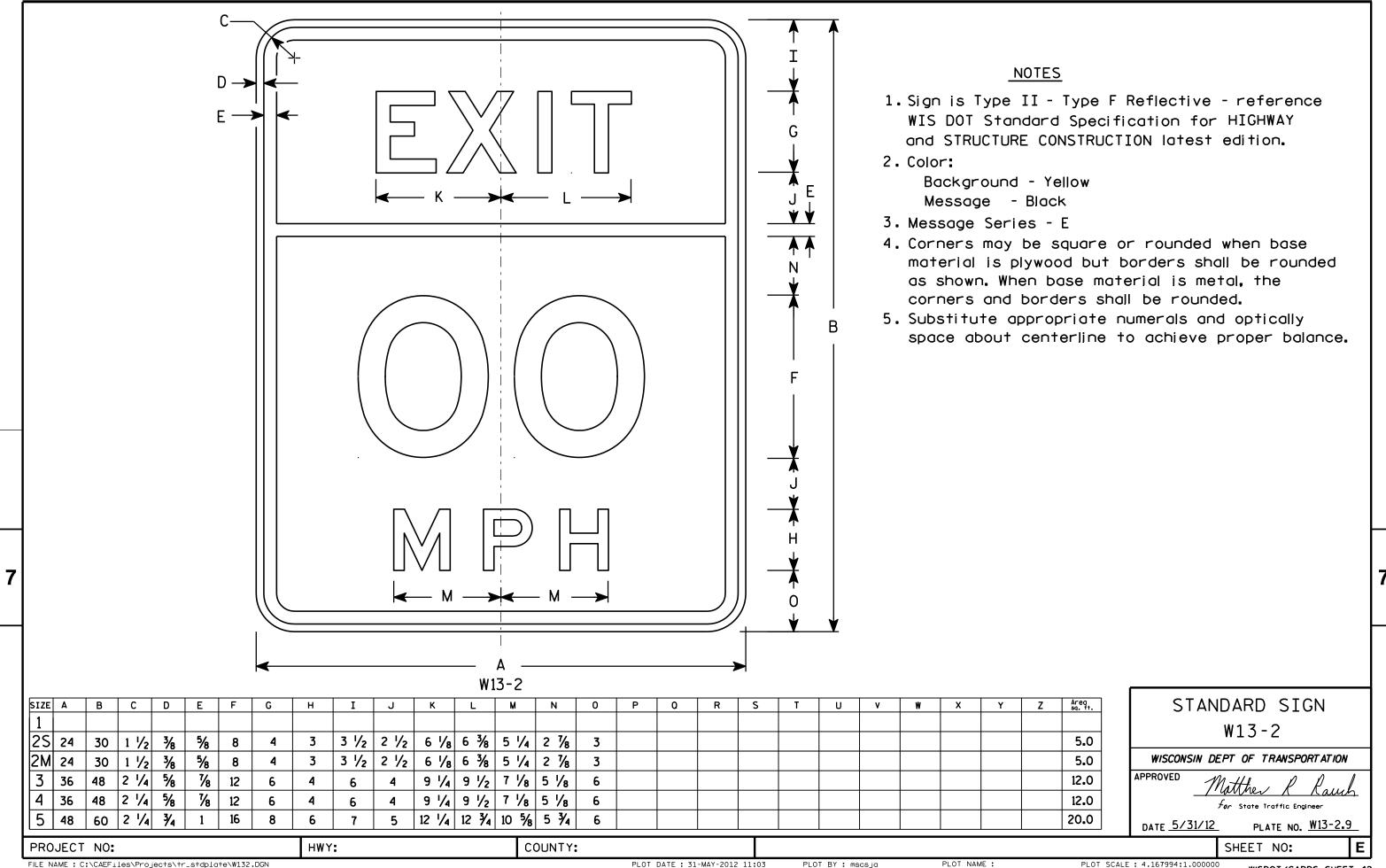
WISCONSIN DEPT OF TRANSPORTATION

Matther R Rauch

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W9-62.9

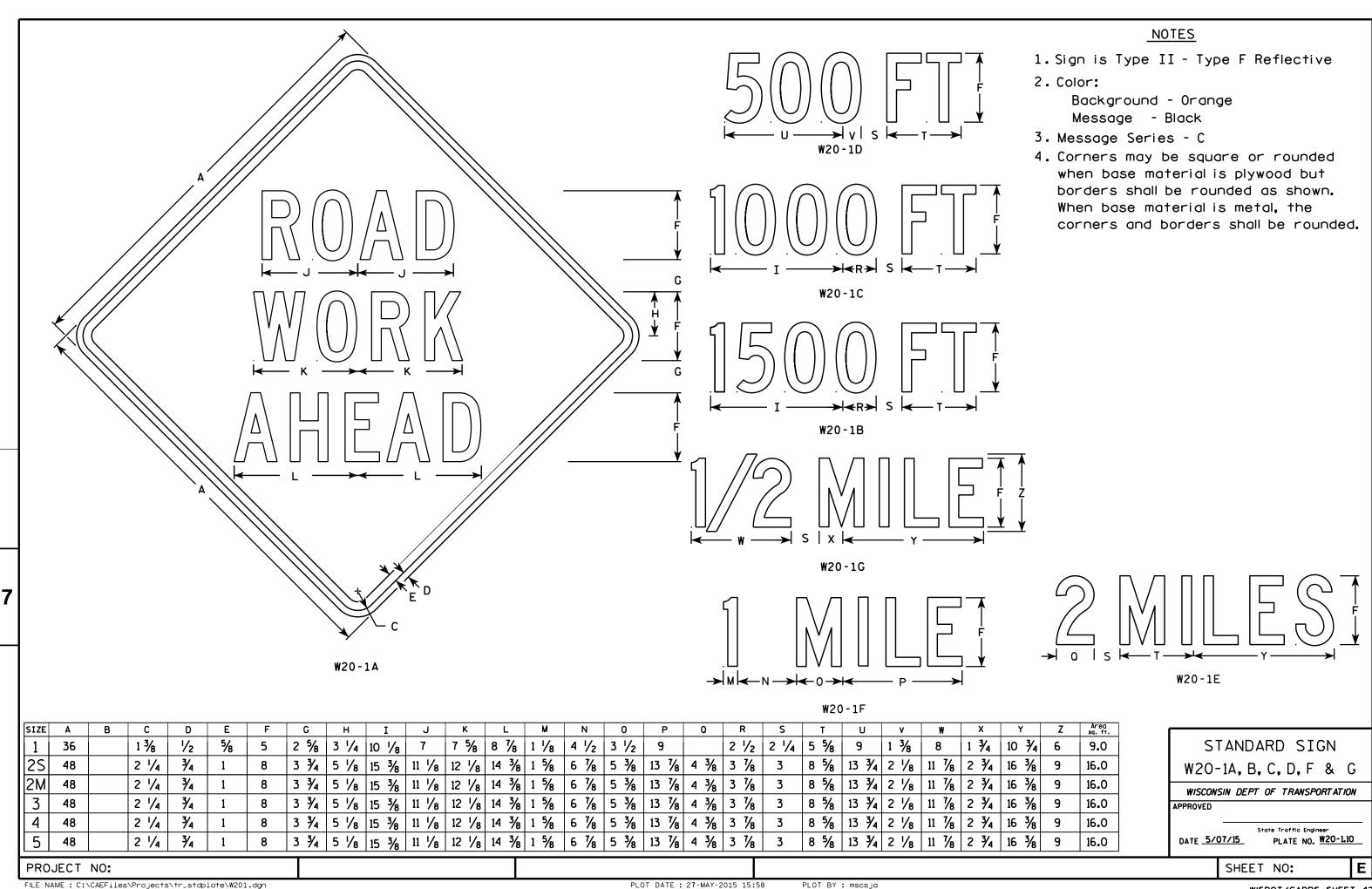
SHEET NO:

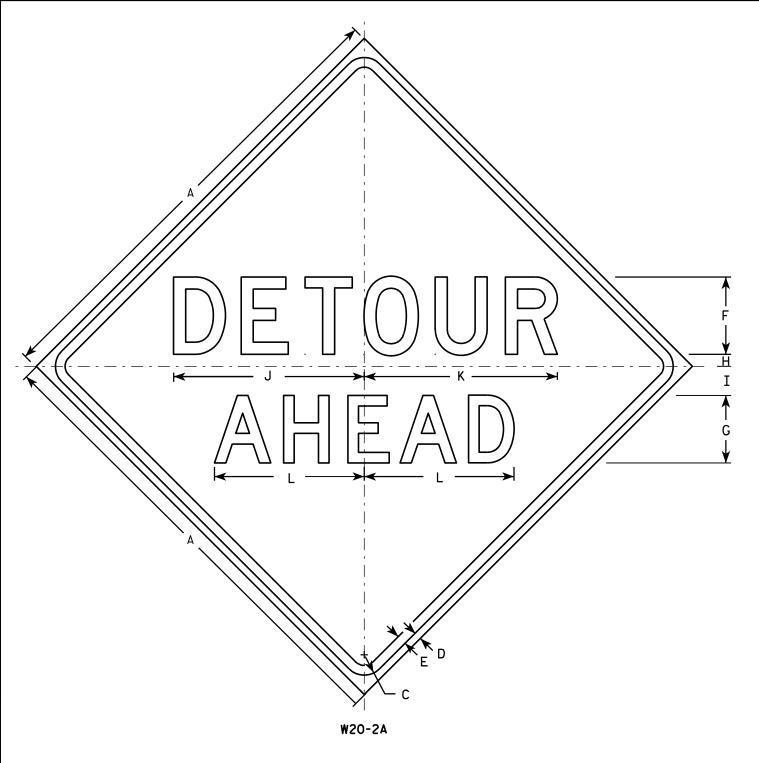


FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W132.DGN

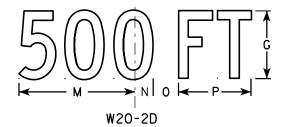
PLOT DATE: 31-MAY-2012 11:03

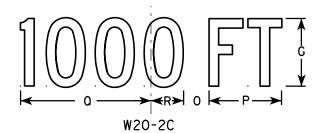
PLOT SCALE: 4.167994:1.000000

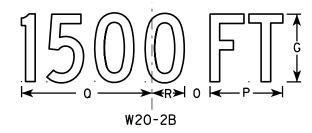


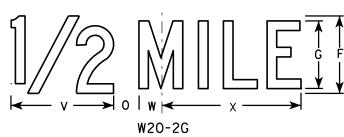


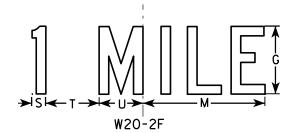
HWY:











PLOT BY: mscj9h

<u>NOTES</u>

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

Background - Orange Message - Black

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

SIZE	. Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	₹4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	₹4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8	·		16.0

COUNTY:

STANDARD SIGN W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:

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

Background - Orange Message - Black

- 3. Message Series 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.

W20-5D

W20-5B

W20-5G

PLOT BY: mscj9h

->I0I← R-		
	W20-5F	

	W20-5A															11 2	20-56										
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	7/8	2 1/2	13 1/8	10 ¾	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 %	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 %	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 5/8	7 1/2	13 1/2	3 %	2 3/8	10 %	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 %	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 %	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 5/8	12	2 %	7 1/2	13 1/2	3 ¾	2 3/8	10 %	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	16.0

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Kauch Fer State Traffic Engineer DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN

PROJECT NO:

HWY:

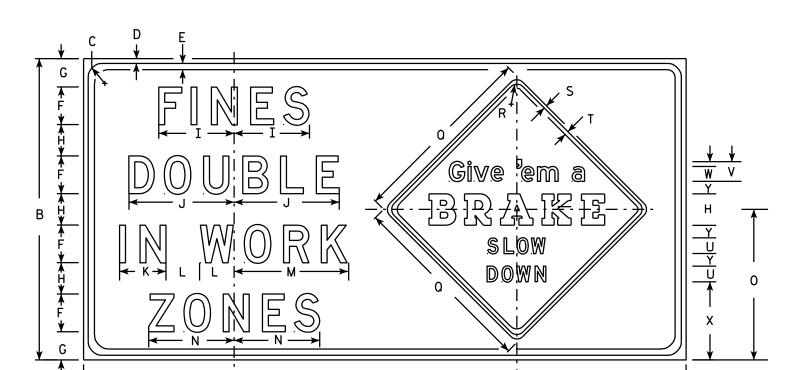
W20-56A

W20-55A

PLOT DATE: 18-MAR-2011 12:15

PLOT NAME :

PLOT SCALE: 11.918087:1.000000



W21-62

HWY:

NOTES

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

Background - White - (See Note 5)
Message - Black

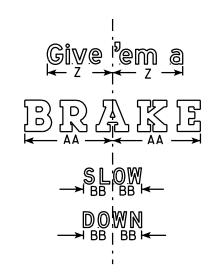
3. Message Series -

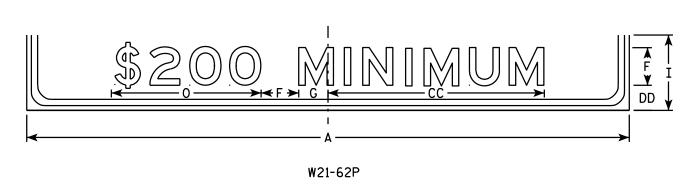
Fines Double Message - All lines are Series D Give 'em a Brake -

Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.

- 4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
- 5. Background for the Give 'em a Brake sign shall be Type F reflective orange.

PLOT NAME :





SIZE 2S 2M 3 96 48 2 1/4 3/4 4 1/2 16 3/4 7 3/8 | 5 1/2 | 18 1/4 | 13 5/8 | 24 27 30 | 1 3/8 | 1/2 % | 2 ½ | 3 ½ | 2 ¾ | 12 ½ | 2 10 3/4 14 4 % 34 1/2 4 4 5

COUNTY:

STANDARD SIGN W21-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Lawl

For State Traffic Engineer

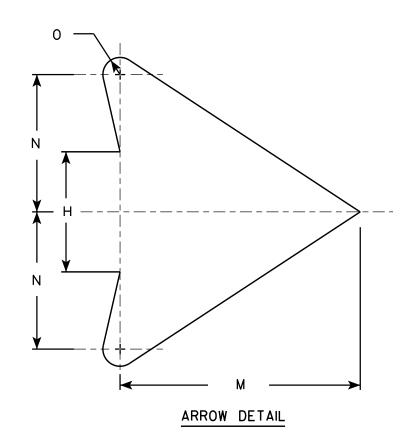
DATE 3/21/11 PLATE NO. W21-62.5

SHEET NO:

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

Background - Orange Message - Black

- 3. 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. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Areg sq. ft.
1	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 ½	10 1/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

COUNTY:

STANDARD SIGN W01-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

DATE <u>11/18/13</u>

SHEET NO:

PLATE NO. WO1-1.1

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN

PROJECT NO:

⊢ H →

HWY:

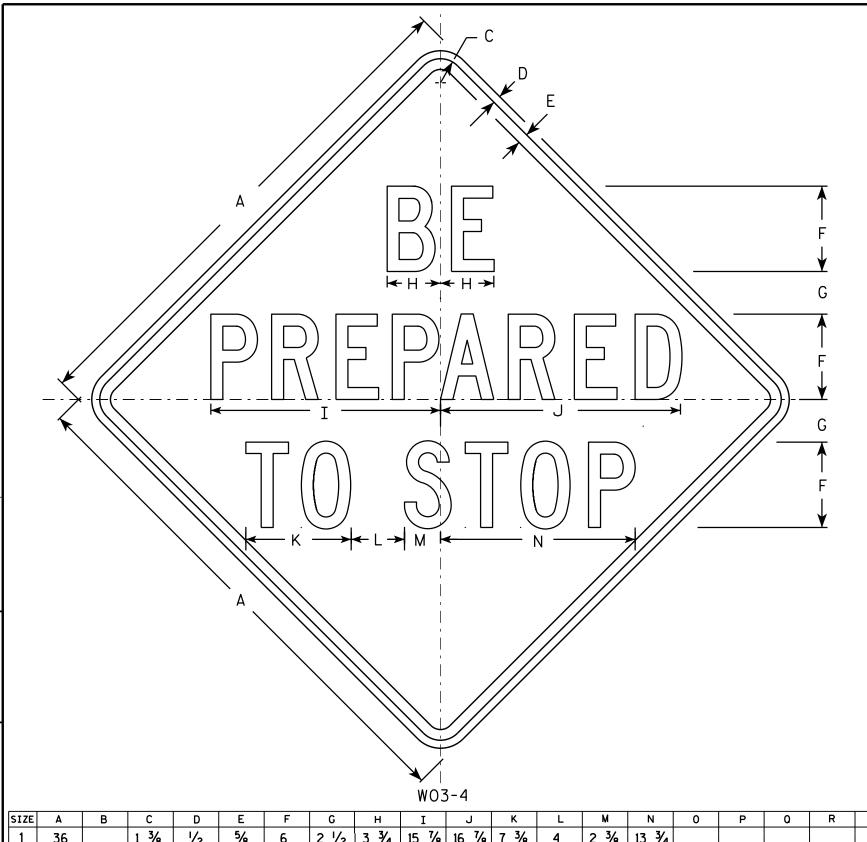
W01-2R

PLOT DATE: 28-FEB-2014 11:34

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 6.992871:1.000000



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

Background - Orange Message - Black

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

1 3/8 5/8 2 3/8 | 13 3/4 1/2 2 1/2 15 % 16 % 7 % 9.0 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 48 2 1/4 16.0 2 1/4 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 | 18 1/4 16.0 48 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 16.0 48 4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 3/4 48 8 16.0 5 3/4 21 1/2 22 1/2 9 7/8 3 3/8 18 1/4 48 2 1/4 8 16.0

COUNTY:

STANDARD SIGN W03 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 12/02/13

PLATE NO. W03-4.1 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-DEC-2013 14:02

PLOT NAME :

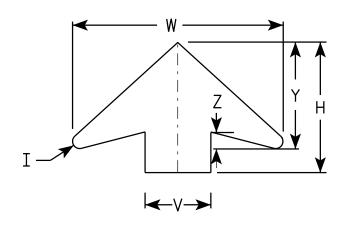
WISDOT/CADDS SHEET 42

PLOT SCALE: 8.999518:1.000000

<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: * Background - ORANGE* Message - BLACK
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	C	٧	W	X	Y	Z	Areo sq. ft.
1	36		1 1/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3∕8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1∕8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3%	12	8	25 %	3∕8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	7∕8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3⁄8	13	2	16.0
3	48		2 1/4	3∕4	1	19 1/4	10 ¾	17 3/8	7∕8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3%	12	8	25 %	3⁄8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	⅓	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3%	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 ¾	17 3/8	1 / ₈	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3∕8	13	2	16.0

STANDARD SIGN W03 - 5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Raul

DATE 11/20/13

PLATE NO. W03-5.1

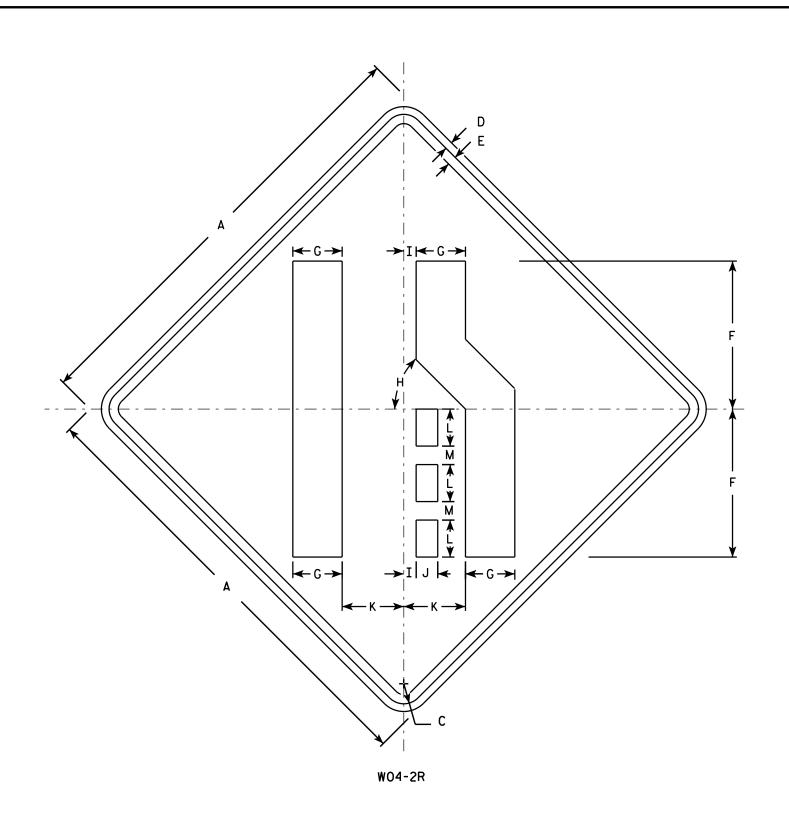
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN

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

Background - Orange Message - Black

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



SIZE 1 % 5/8 3/4 12 45° 1 3/4 5 1 1/2 4 36 3 9.0 2S 2 1/4 5 3/8 45° 1 ¼ 2 ¾ 6 ¾ 3/4 48 16.0 45° 1 ¼ 2 ¾ 6 ¾ 3/4 5 3/8 48 2 1/4 2 16.0 2 1/4 3 48 3/4 5 % 45° | 1 1/4 | 2 3/8 | 6 3/4 2 16.0 2 1/4 3/4 5 3/8 45° | 1 1/4 | 2 3/8 | 6 3/4 48 2 16.0 5 2 1/4 3/4 5 3/8 45° | 1 1/4 | 2 3/8 | 6 3/4 48 2 16.0

STANDARD SIGN W04 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ForState Traffic Engineer

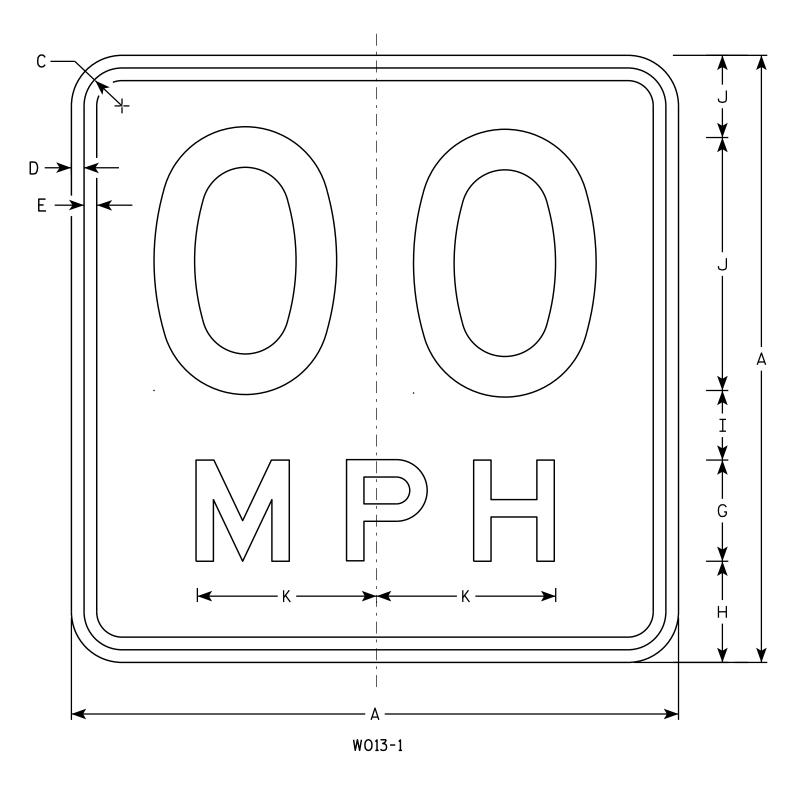
DATE 11/20/13 PLATE NO. <u>WO4-2.1</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W042.DGN

PROJECT NO:

PLOT DATE: 20-NOV-2013 11:43



<u>NOTES</u>

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

Background - Orange Message - Black

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Ρ	0	R	S	T	U	٧	₩	X	Y	Z	Areg sq. ft.
1	24		1 1/8	3∕8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 %	5/8	₹4	16	6	5 1/2	4	4 1/2	10 %																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

COUNTY:

STANDARD SIGN W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 11/21/13 PLATE NO. WO13-1.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN

HWY:

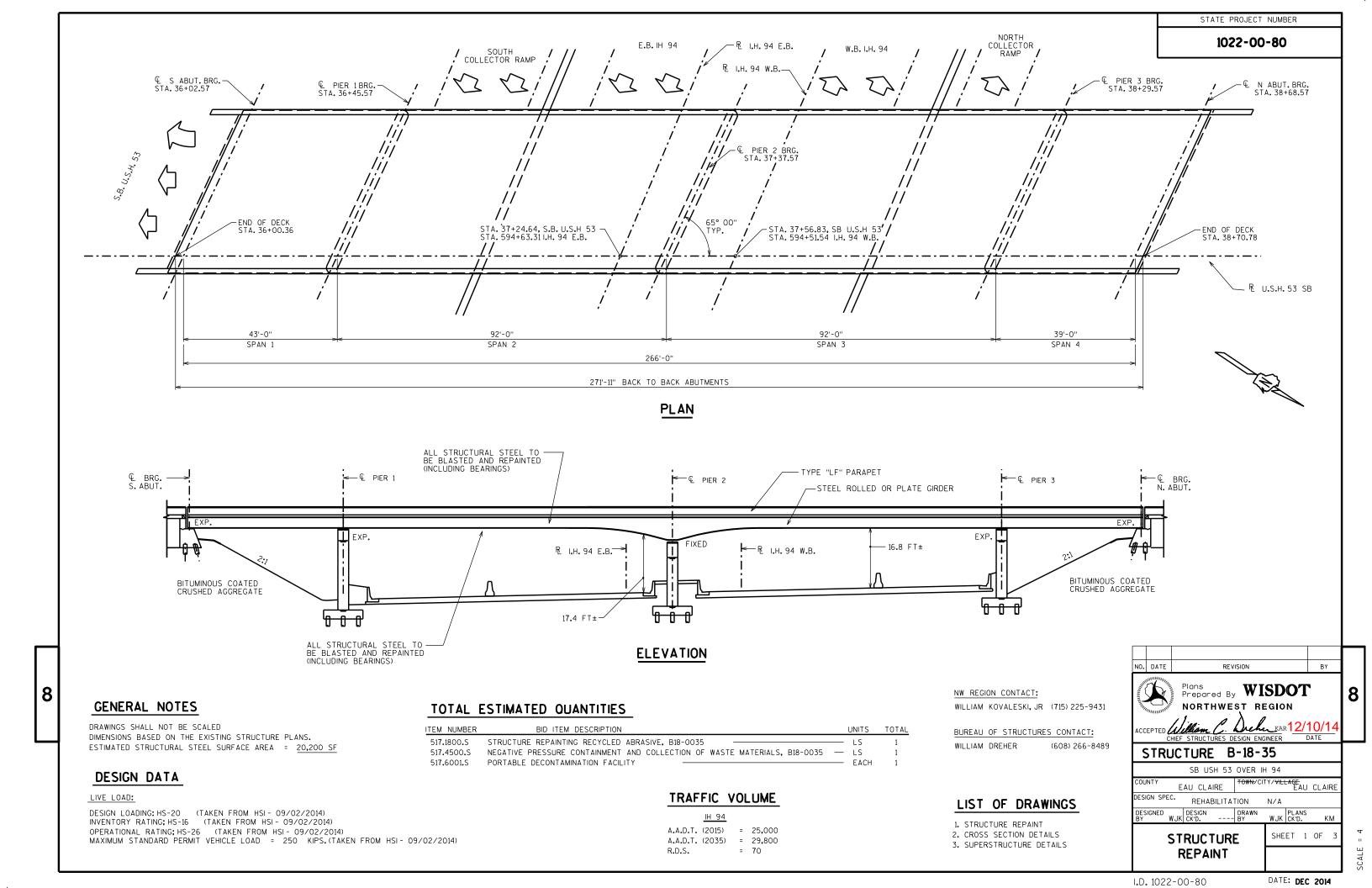
PROJECT NO:

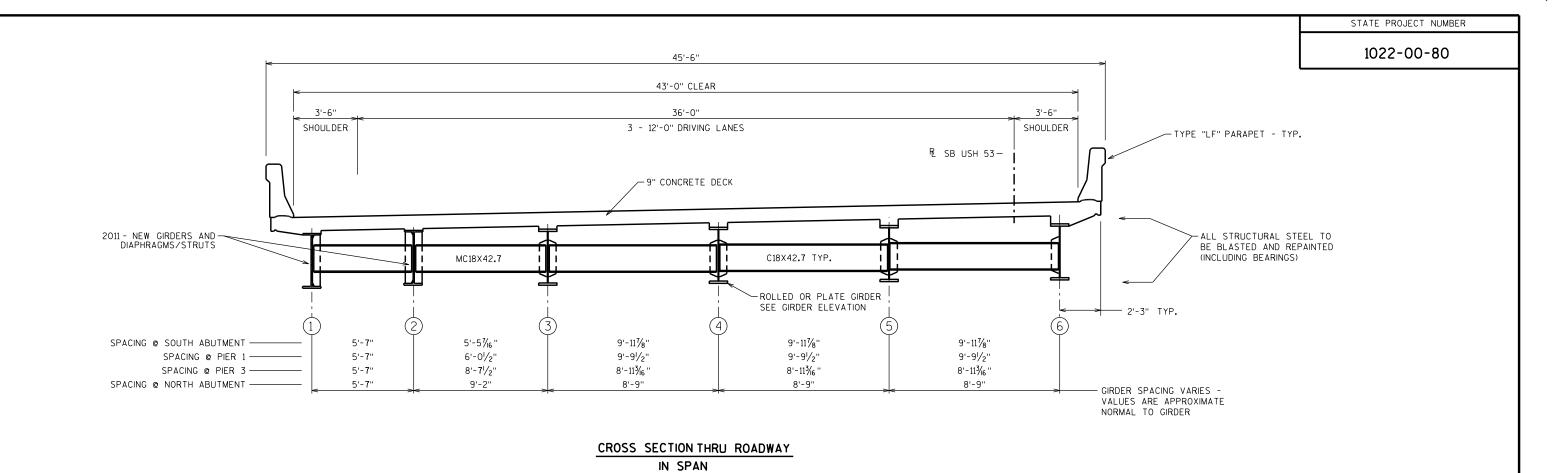
PLOT DATE: 02-DEC-2013 13:55

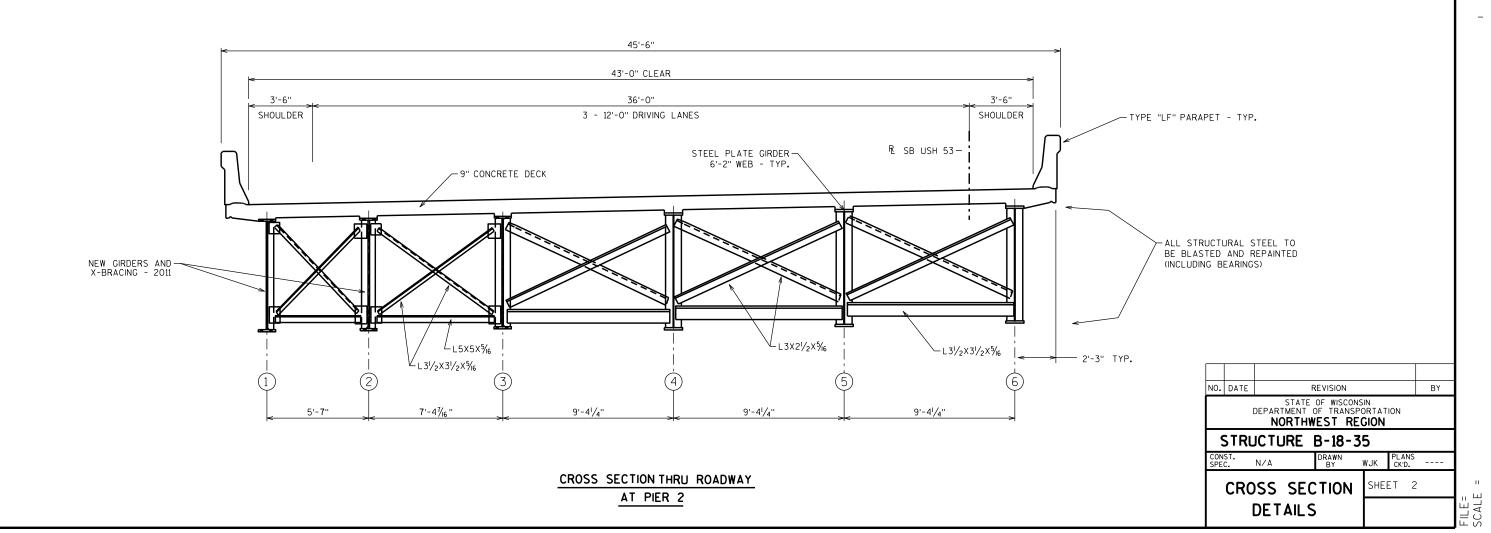
PLOT NAME :

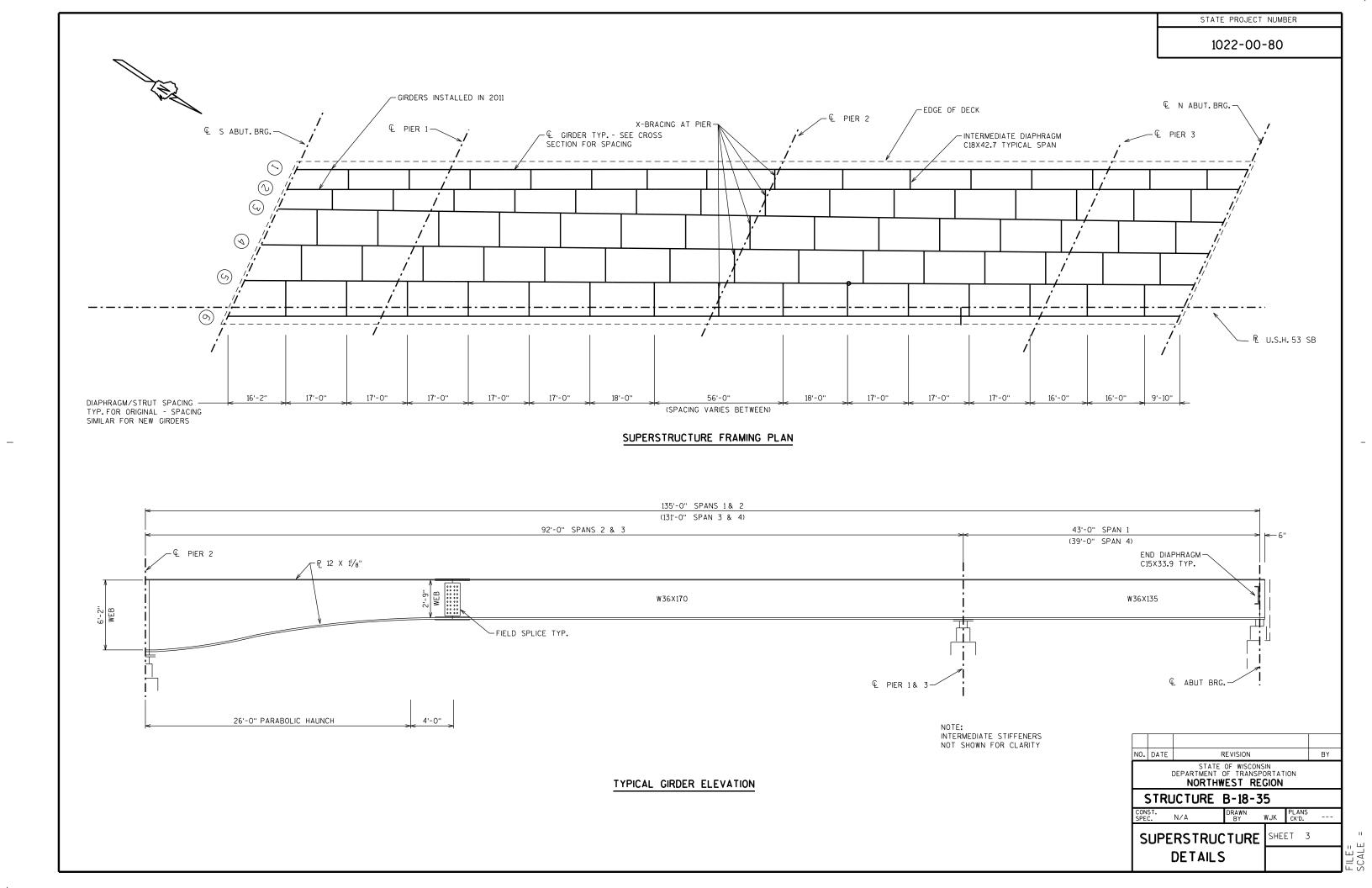
PLOT BY: mscsja

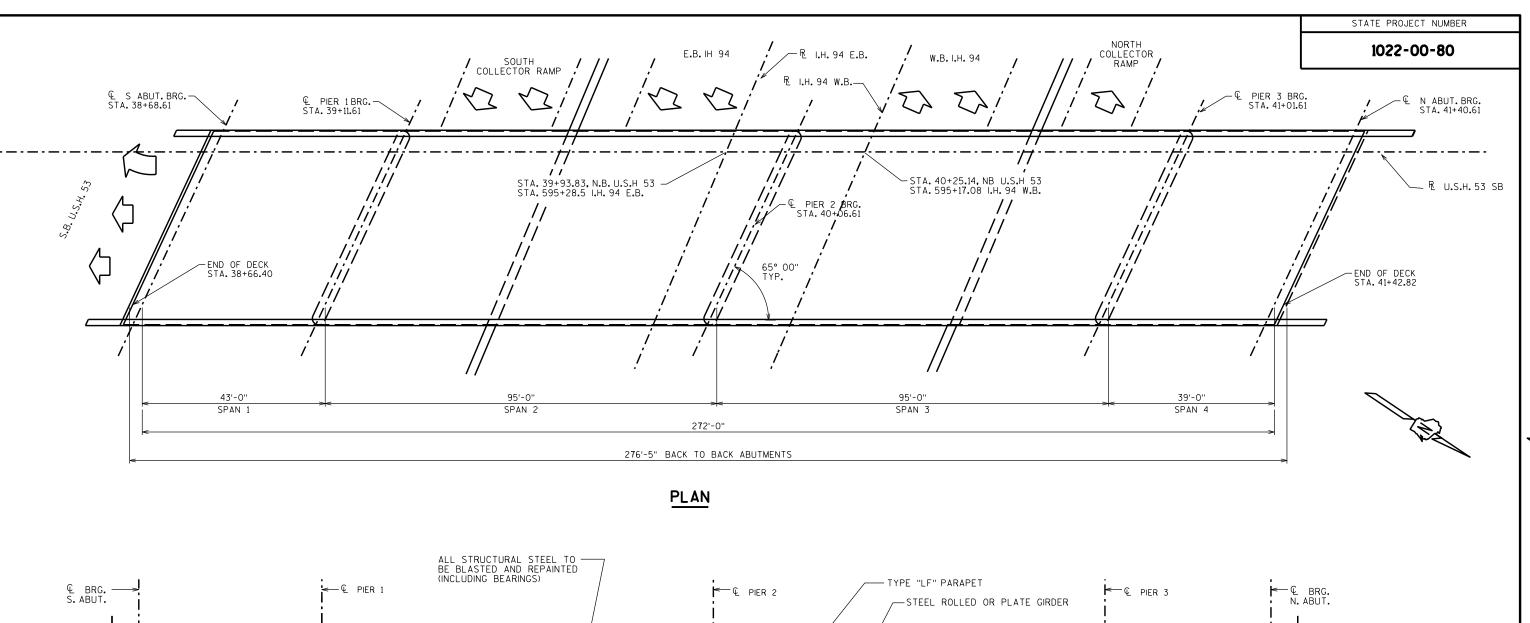
PLOT SCALE: 3.794391:1.000000

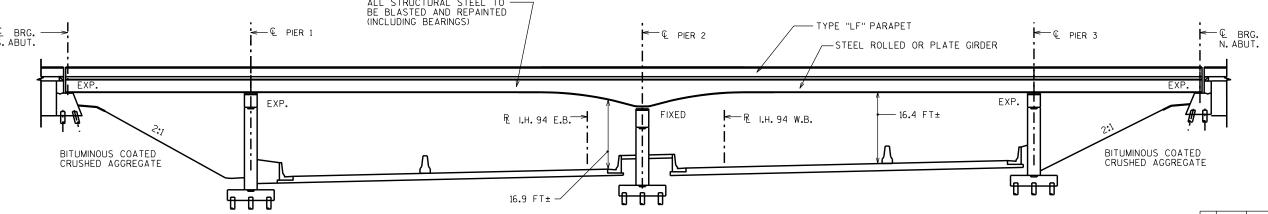












ELEVATION

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED DIMENSIONS BASED ON THE EXISTING STRUCTURE PLANS. ESTIMATED STRUCTURAL STEEL SURFACE AREA = 20,200 SF

DESIGN DATA

LIVE LOAD:

8

DESIGN LOADING: HS-20 (TAKEN FROM HSI - 09/02/2014) INVENTORY RATING; HS-16 (TAKEN FROM HSI - 09/02/2014) OPERATIONAL RATING; HS-26 (TAKEN FROM HSI - 09/02/2014) MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS (TAKEN FROM HSI - 09/02/2014)

STRUCTURE REPAINTING RECYCLED ABRASIVE, B18-0036 NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, B18-0036 - LS PORTABLE DECONTAMINATION FACILITY

BID ITEM DESCRIPTION

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER

51**7.**1800.S

517.4500.S

517.6001.S

TRAFFIC VOLUME

A.A.D.T. (2015) = 25,000 A.A.D.T. (2035) = 29,800 R.D.S. = 70

NW REGION CONTACT:

UNITS TOTAL

EACH

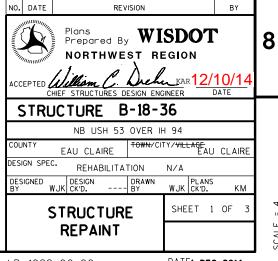
WILLIAM KOVALESKI, JR (715) 225-9431

BUREAU OF STRUCTURES CONTACT:

WILLIAM DREHER (608) 266-8489

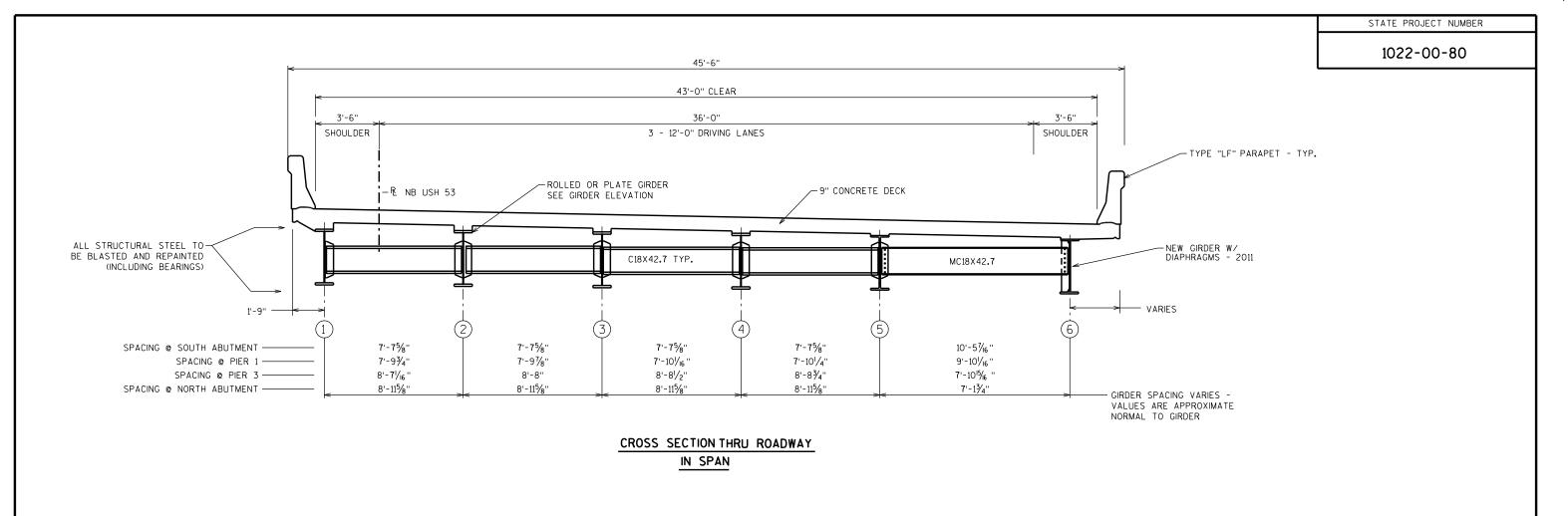
LIST OF DRAWINGS

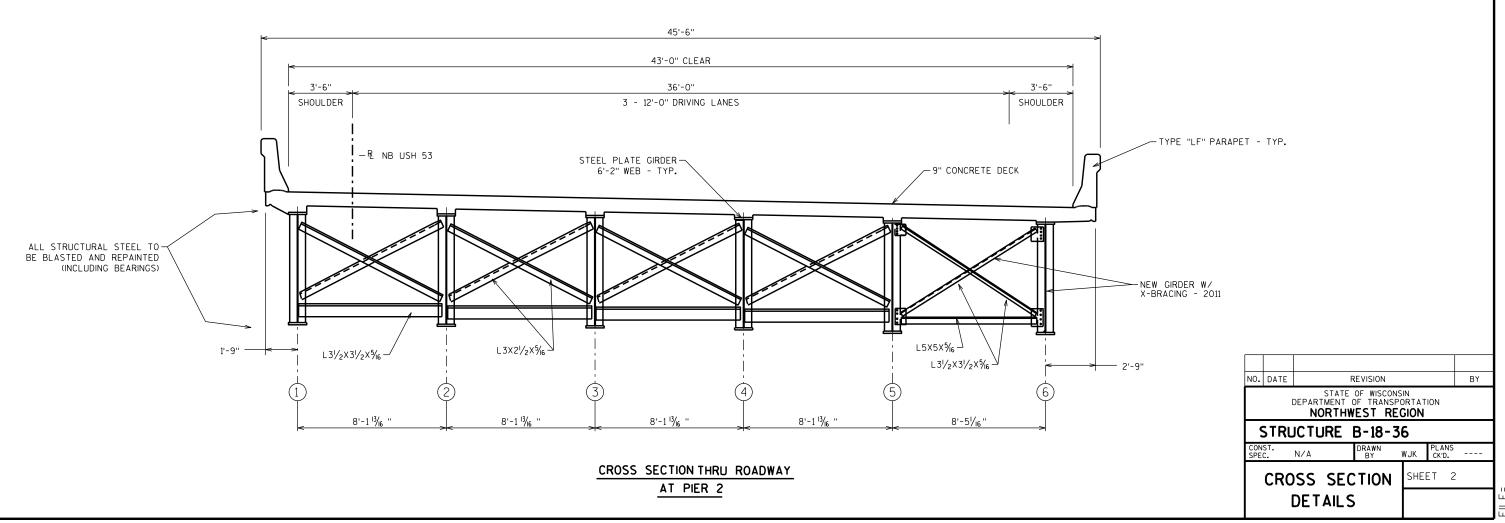
- 1. STRUCTURE REPAINT
- 2. CROSS SECTION DETAILS
- 3. SUPERSTRUCTURE DETAILS



I.D. 1022-00-80

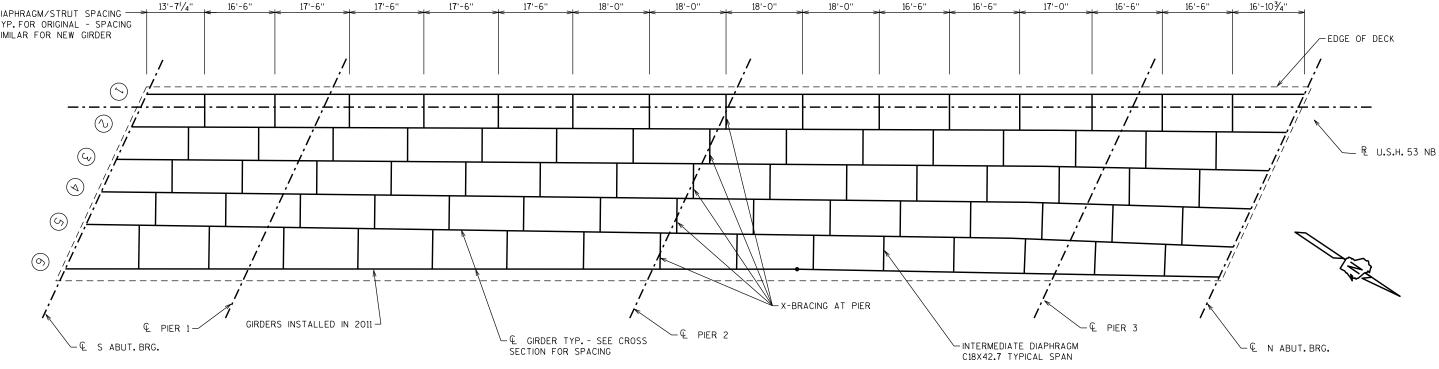
DATE: DEC 2014



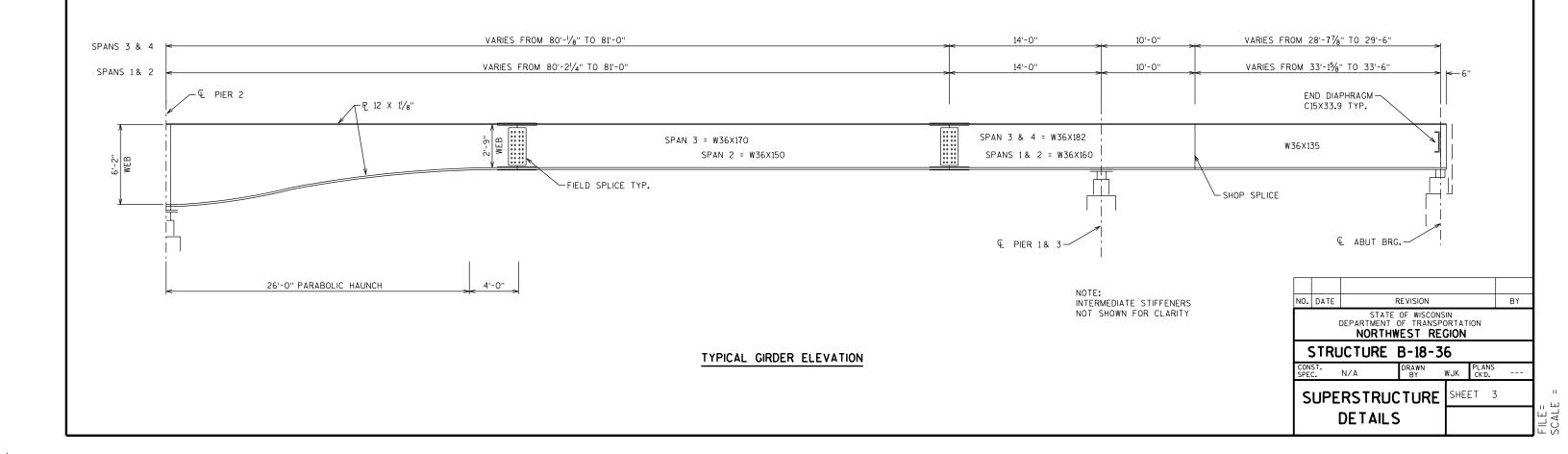


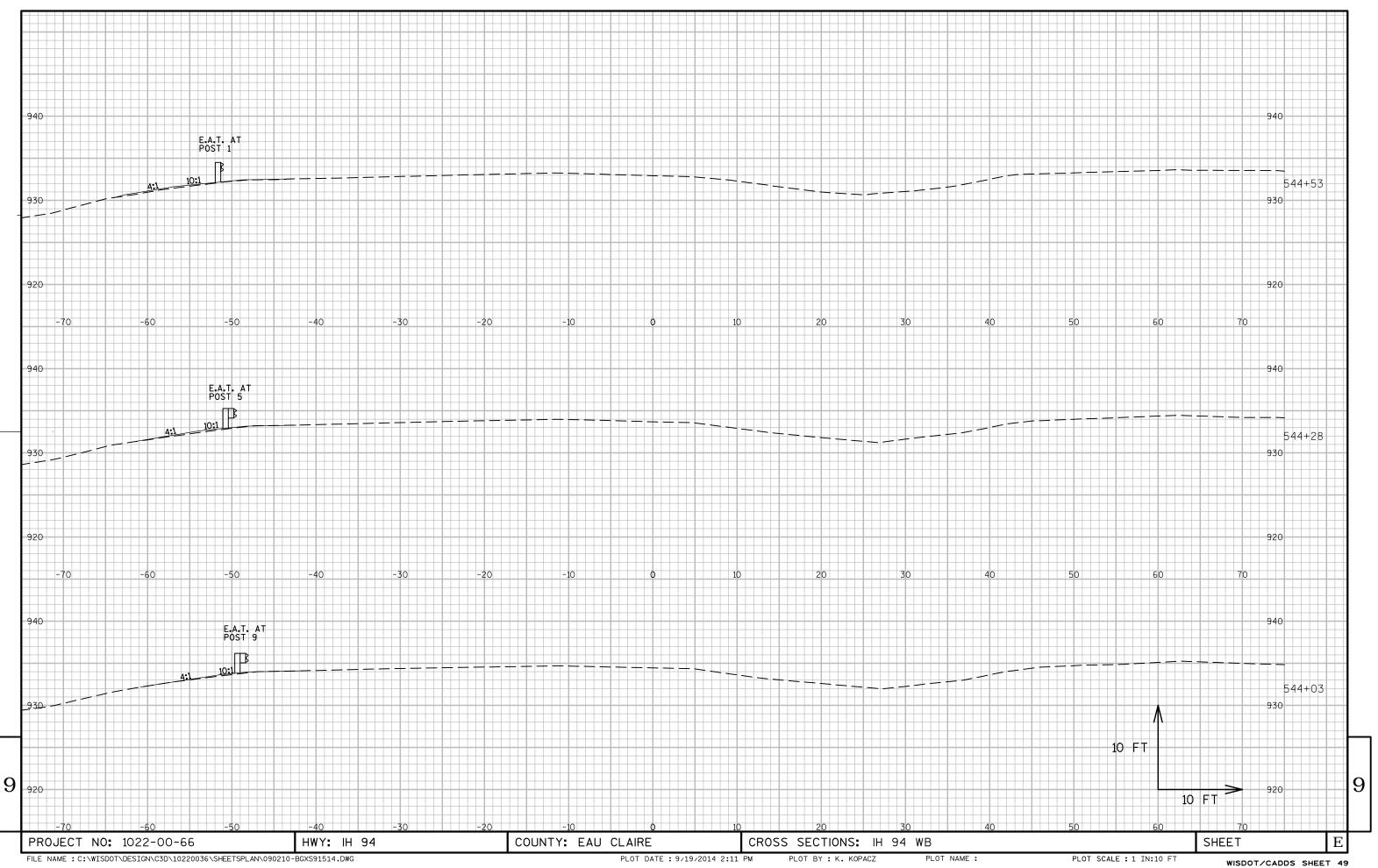
STATE PROJECT NUMBER 1022-00-80

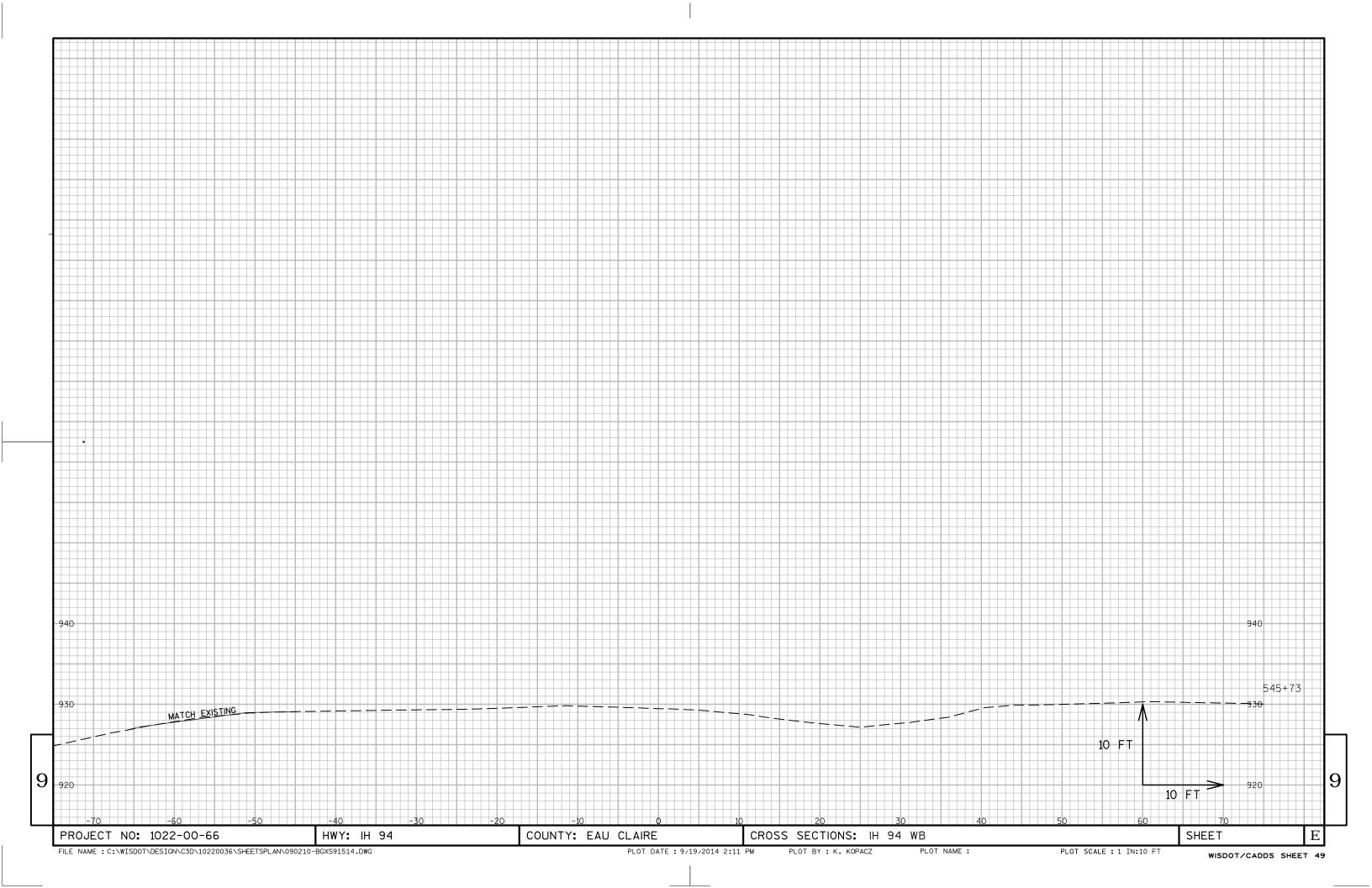
17'-6" 17'-6" 16'-10¾'' 13'-7[|]/₄'' 16'-6" 17'-6" 18'-0" 18'-0" 18'-0" 18'-0" 16'-6" DIAPHRAGM/STRUT SPACING TYP.FOR ORIGINAL - SPACING SIMILAR FOR NEW GIRDER

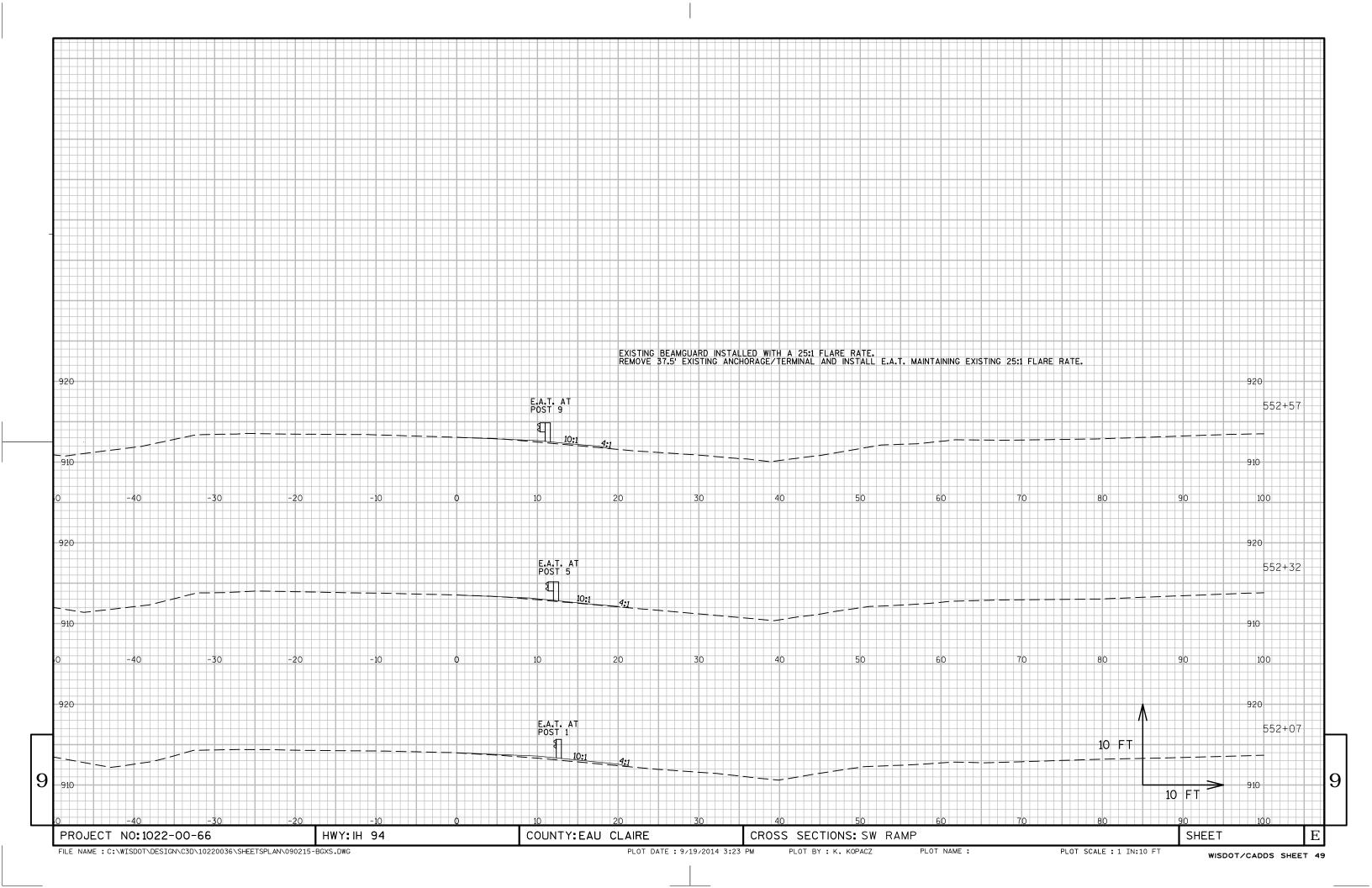


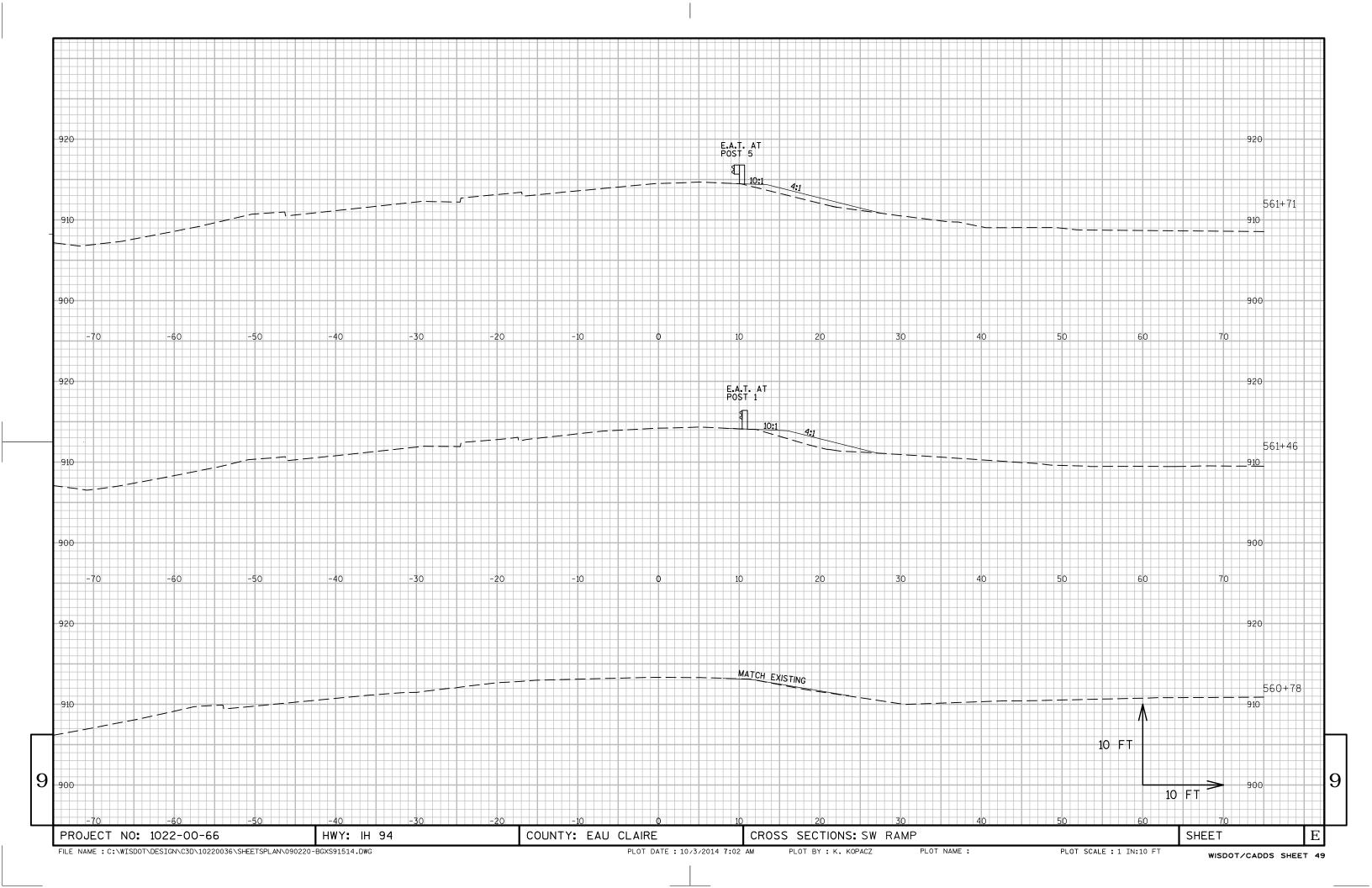
SUPERSTRUCTURE FRAMING PLAN

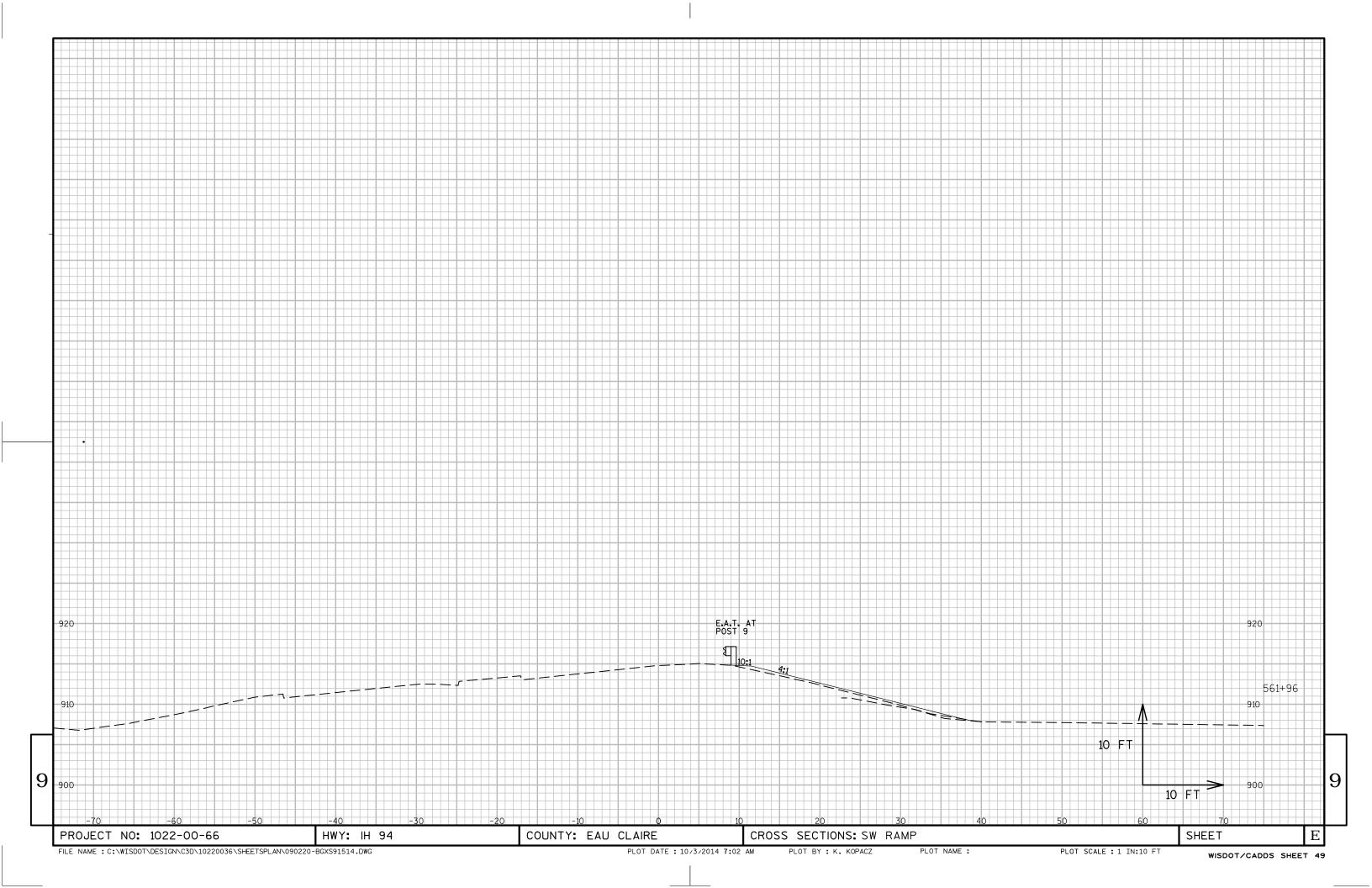


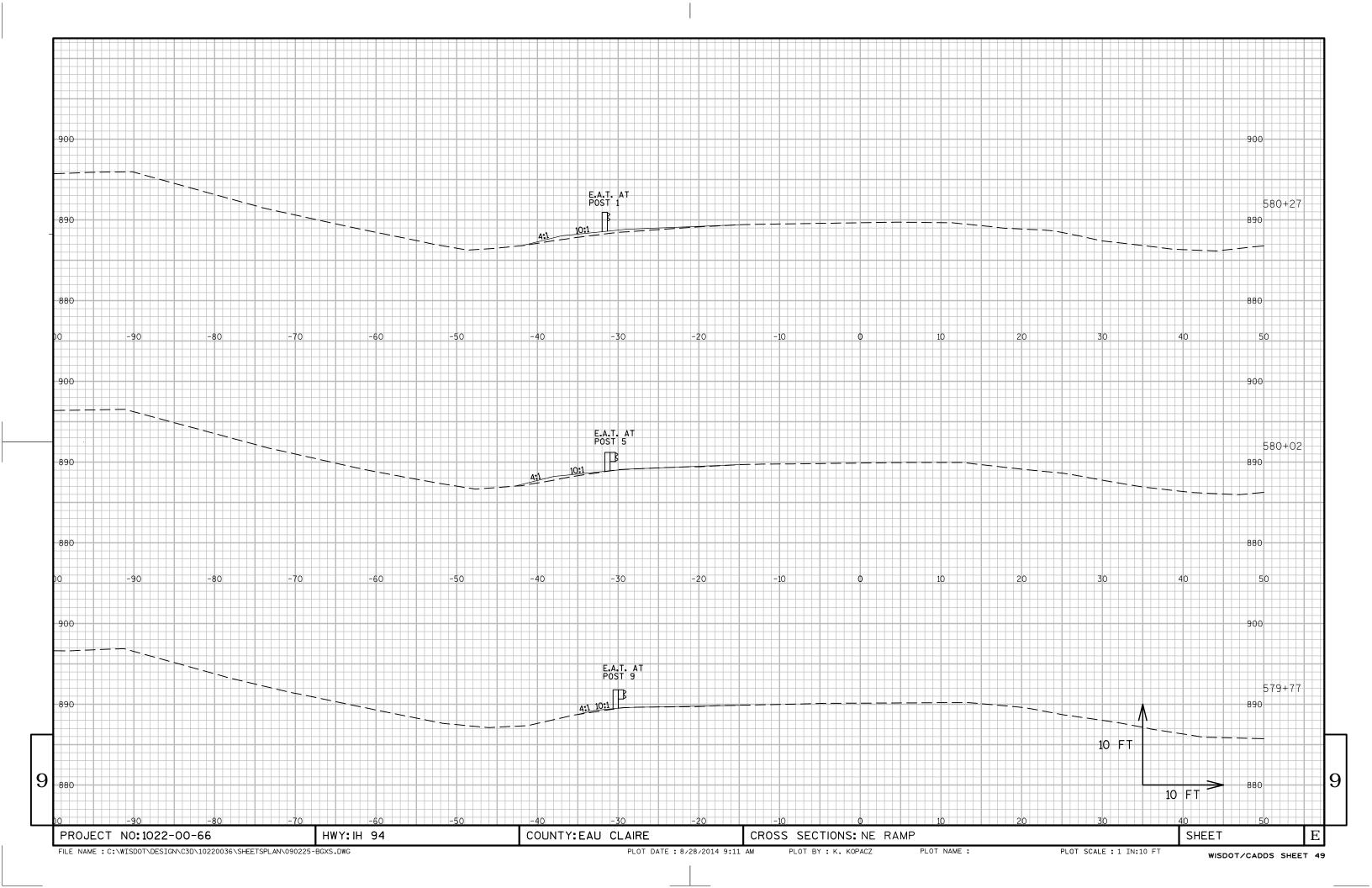


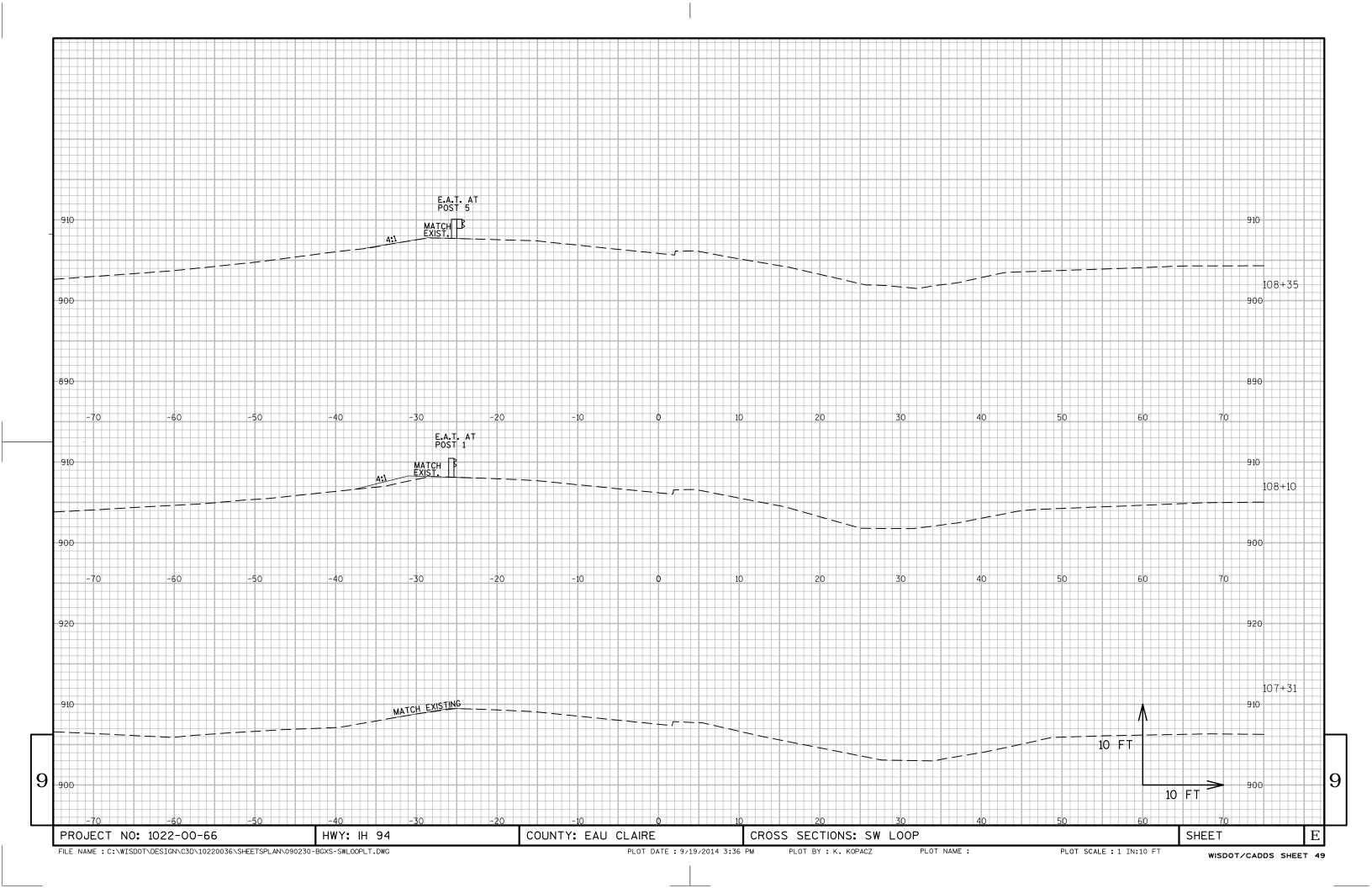


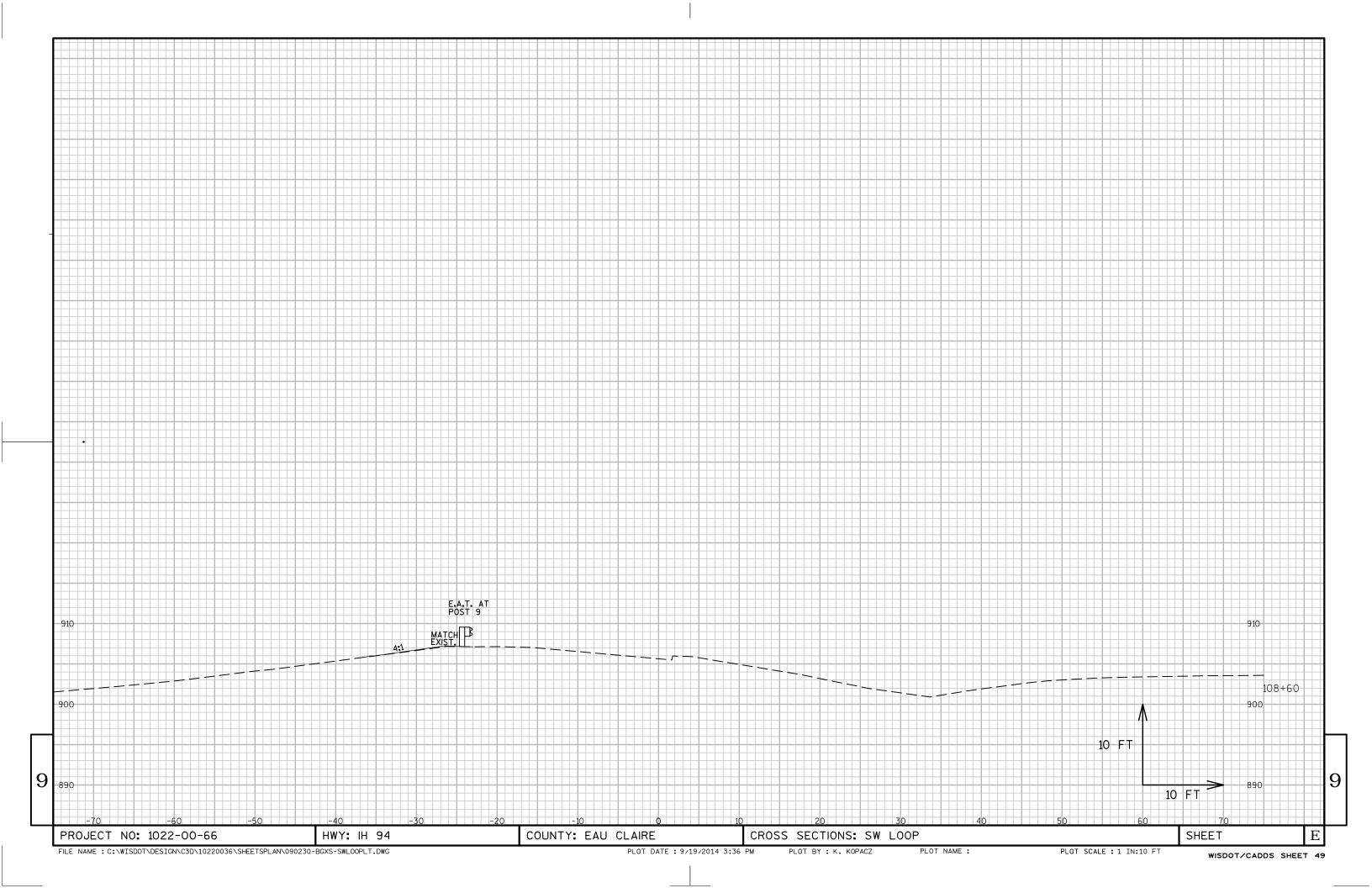


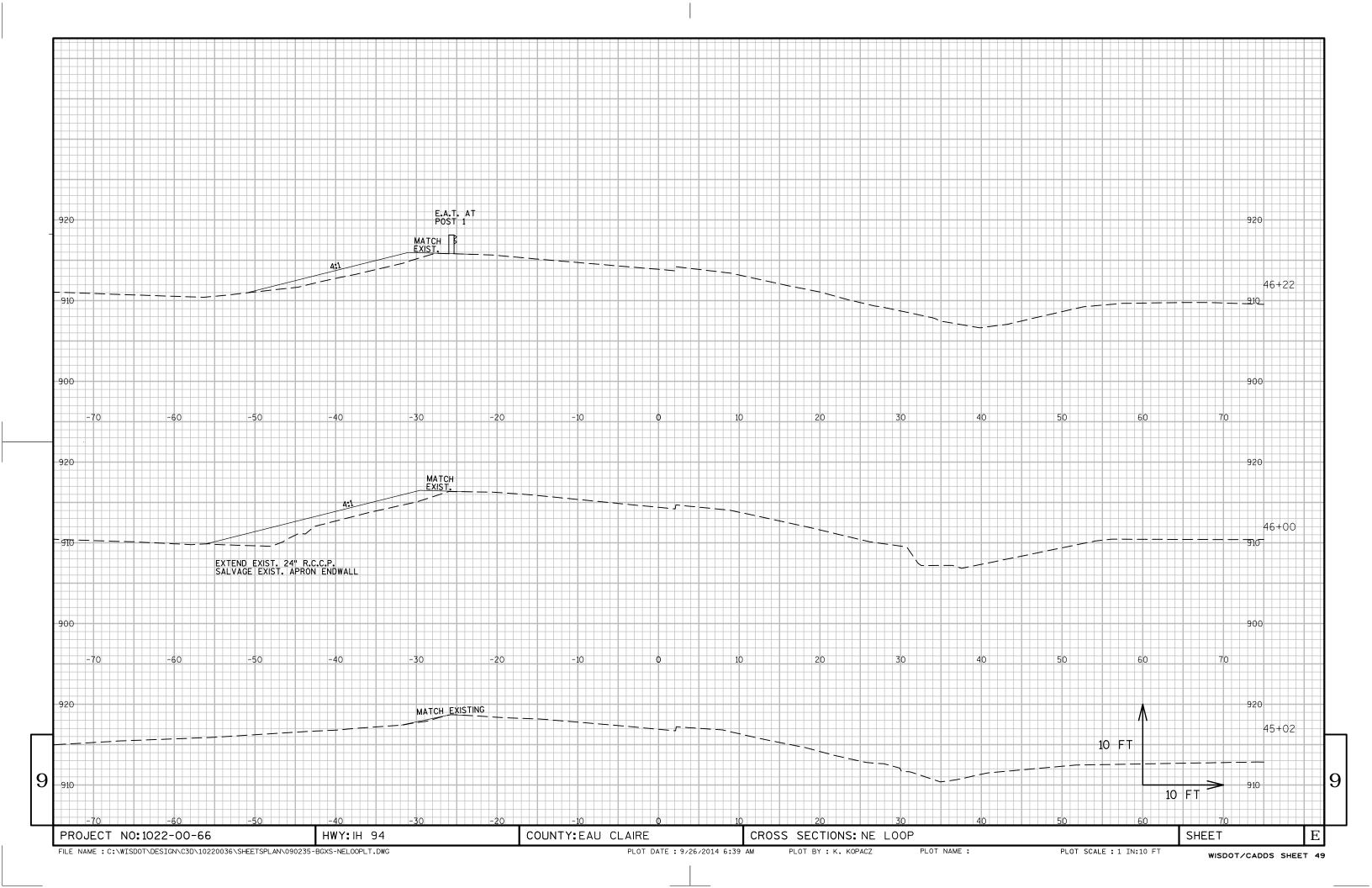


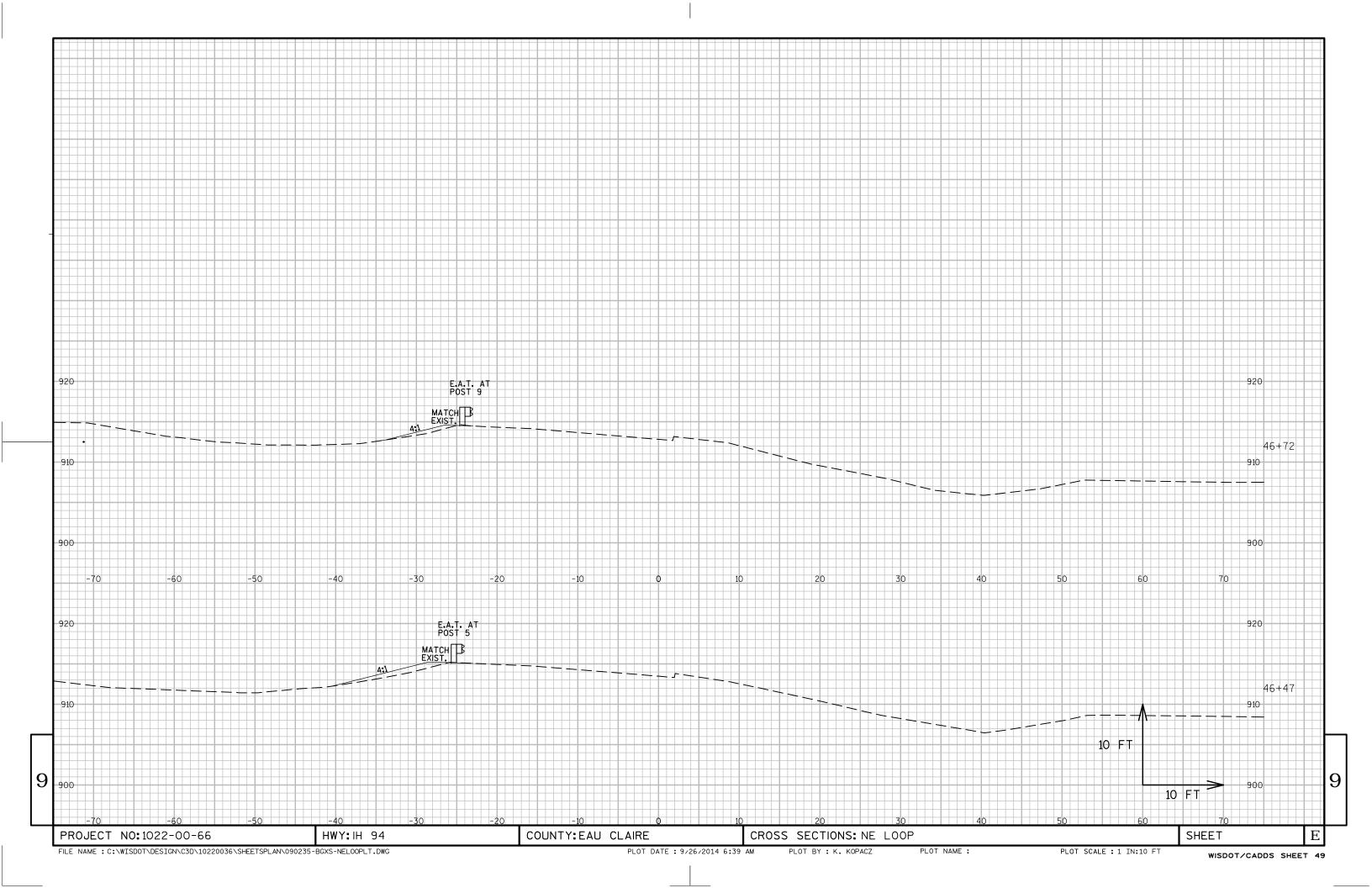


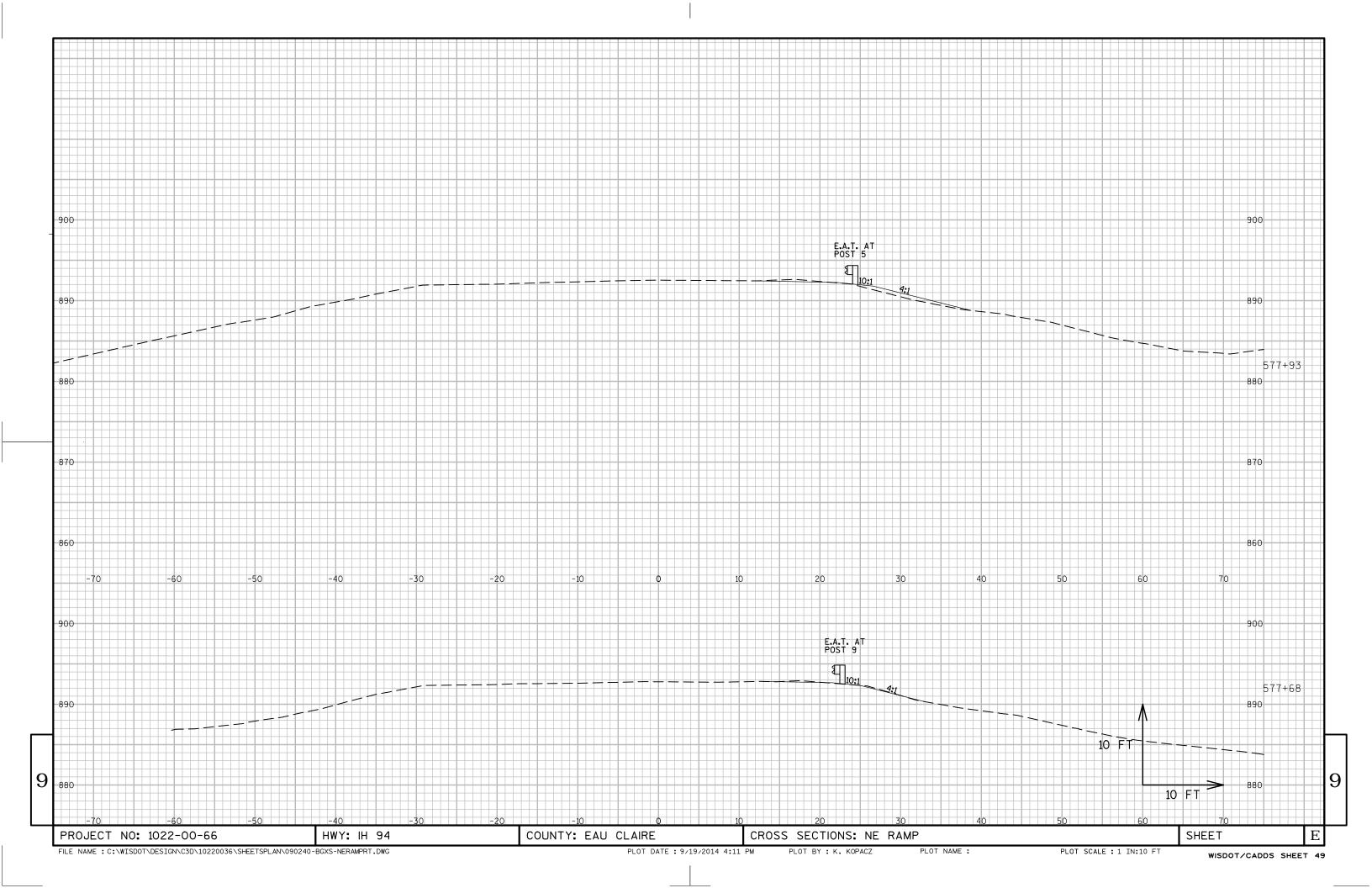


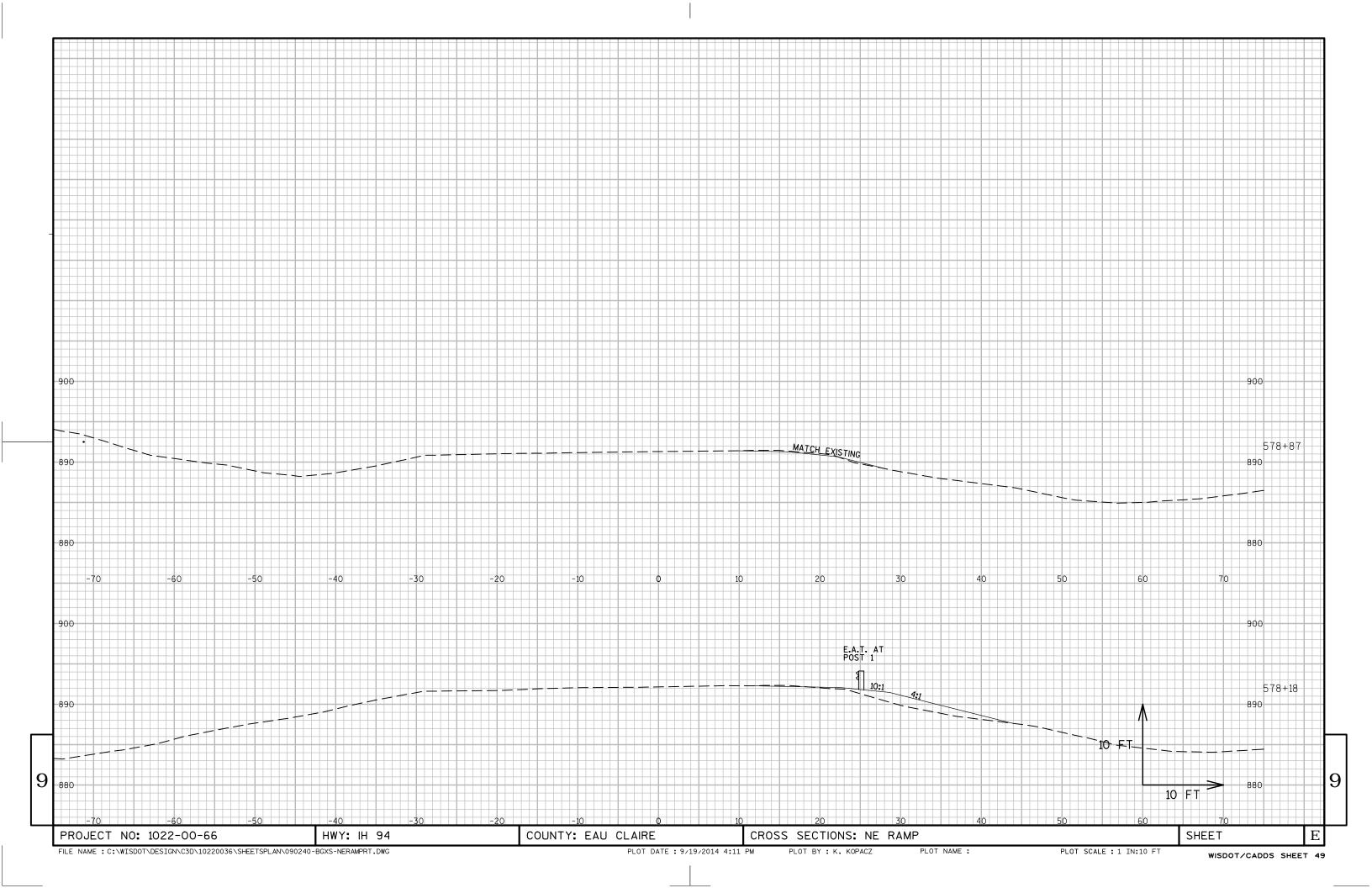


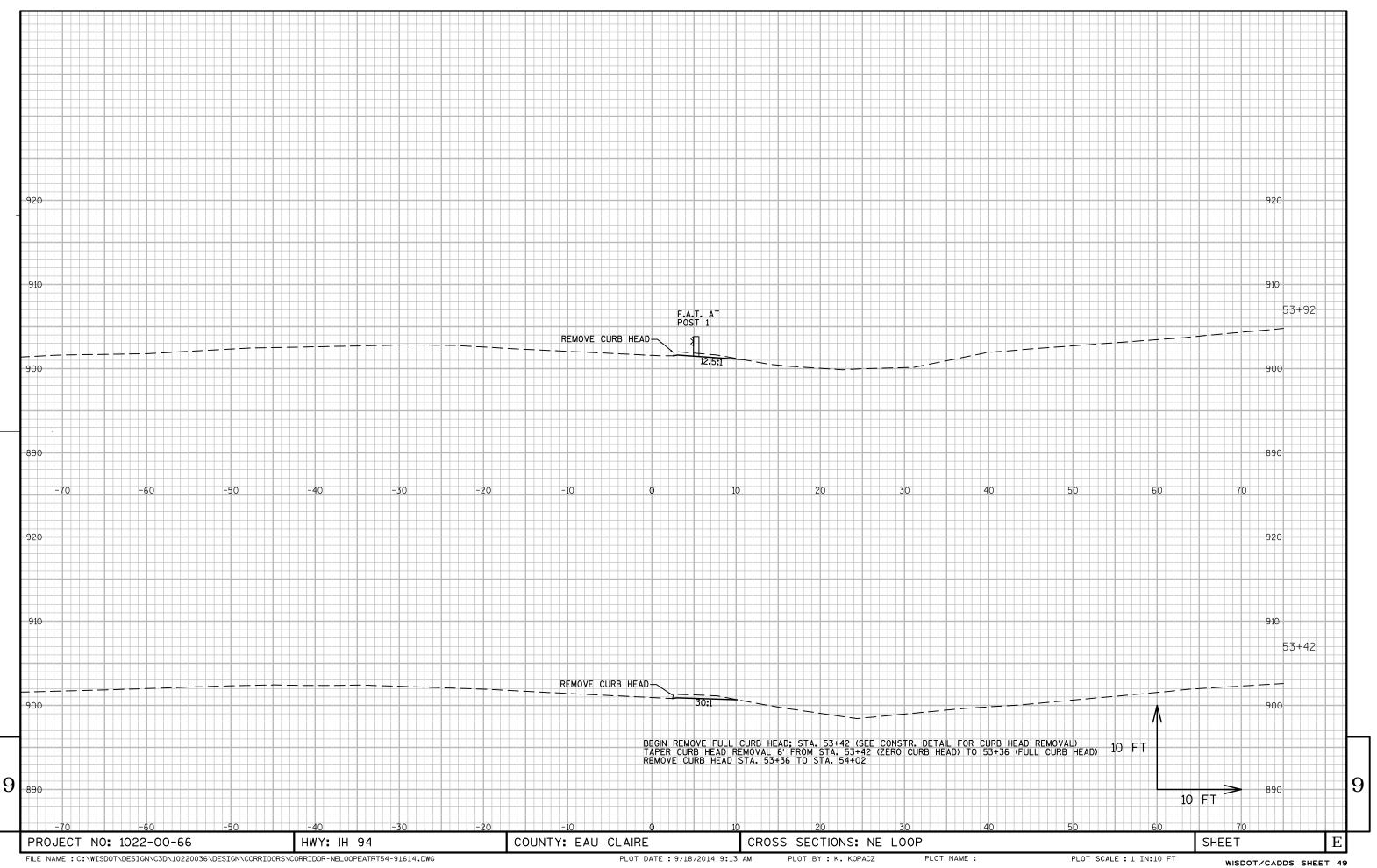


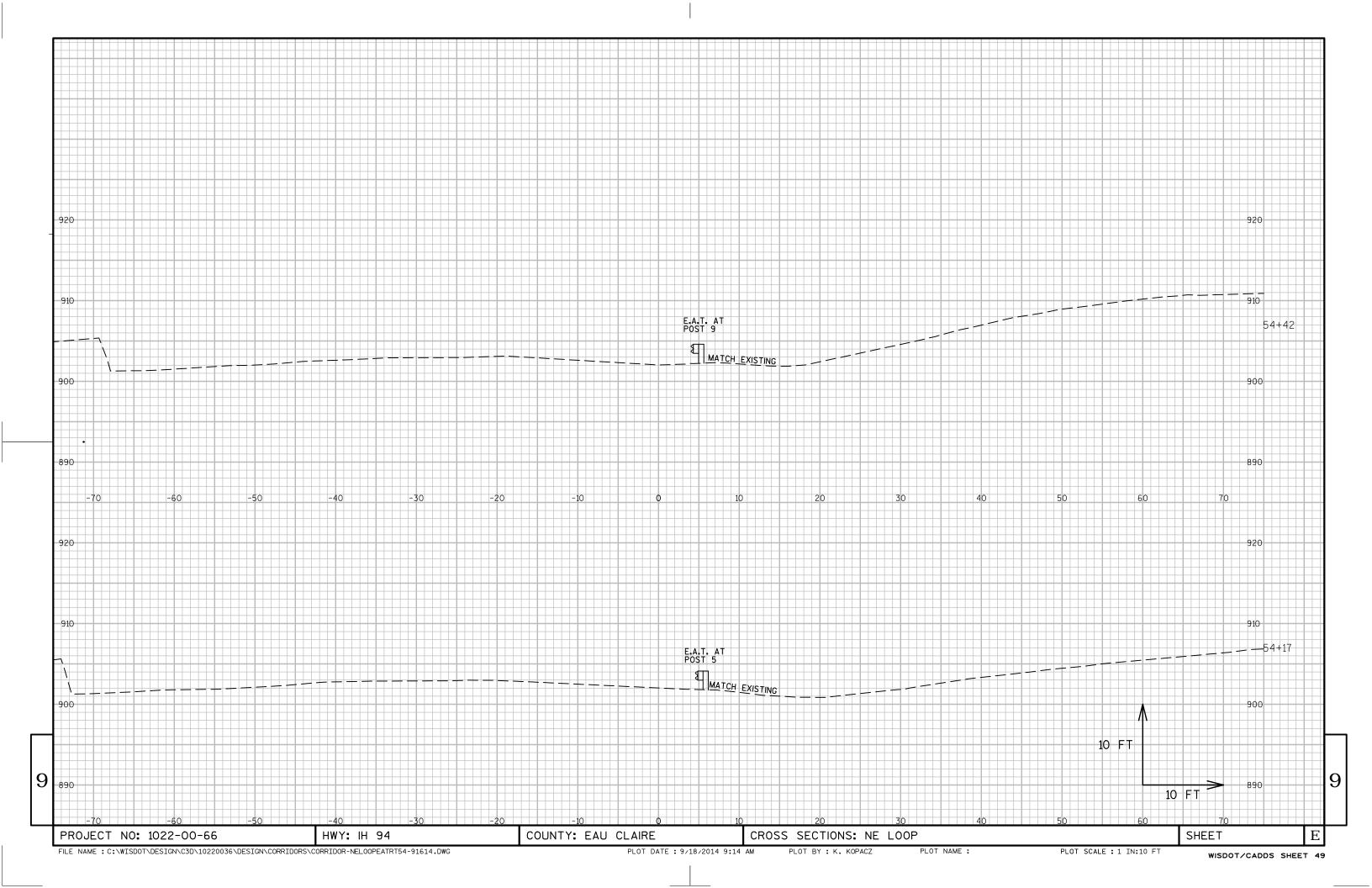


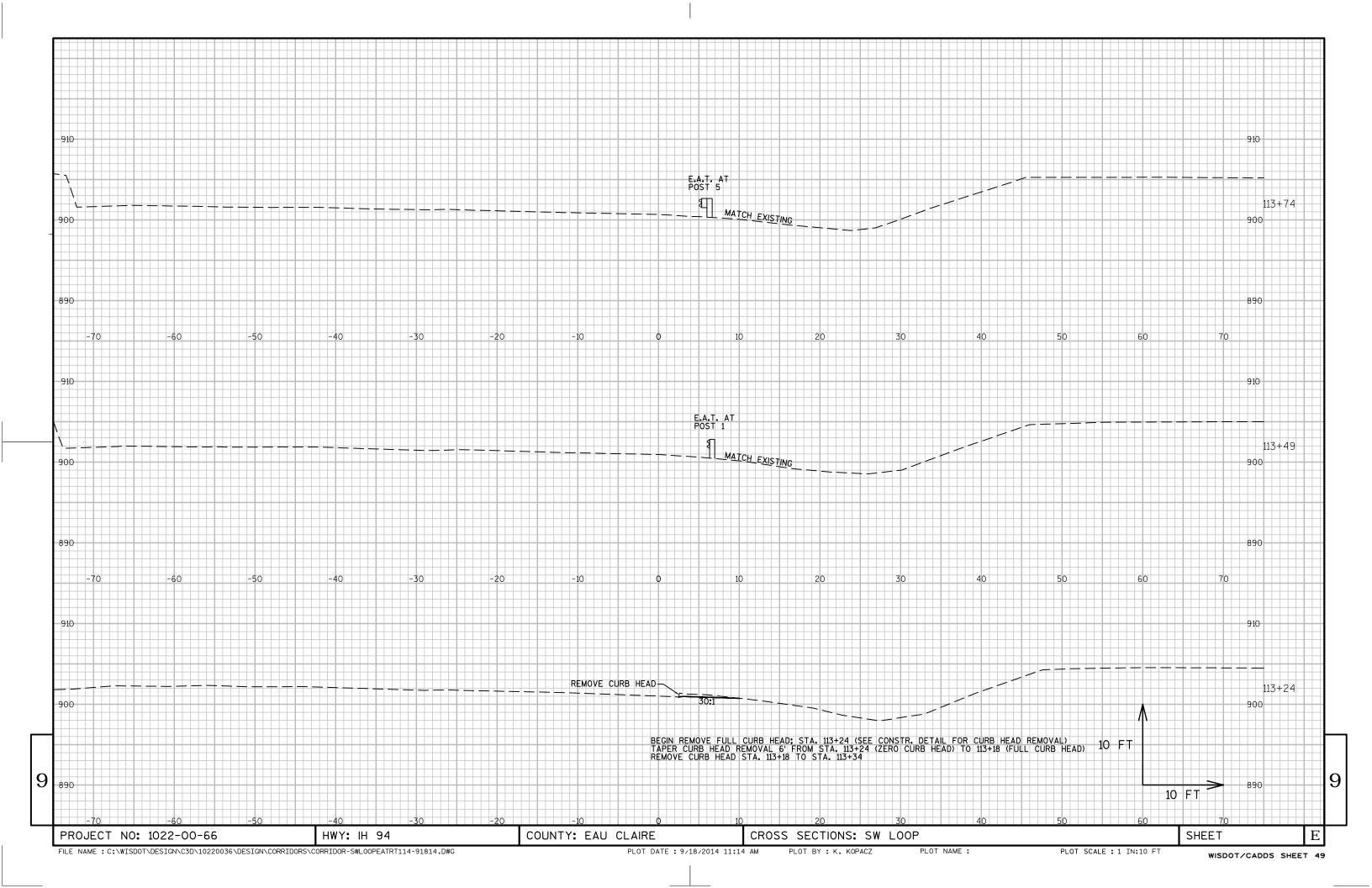


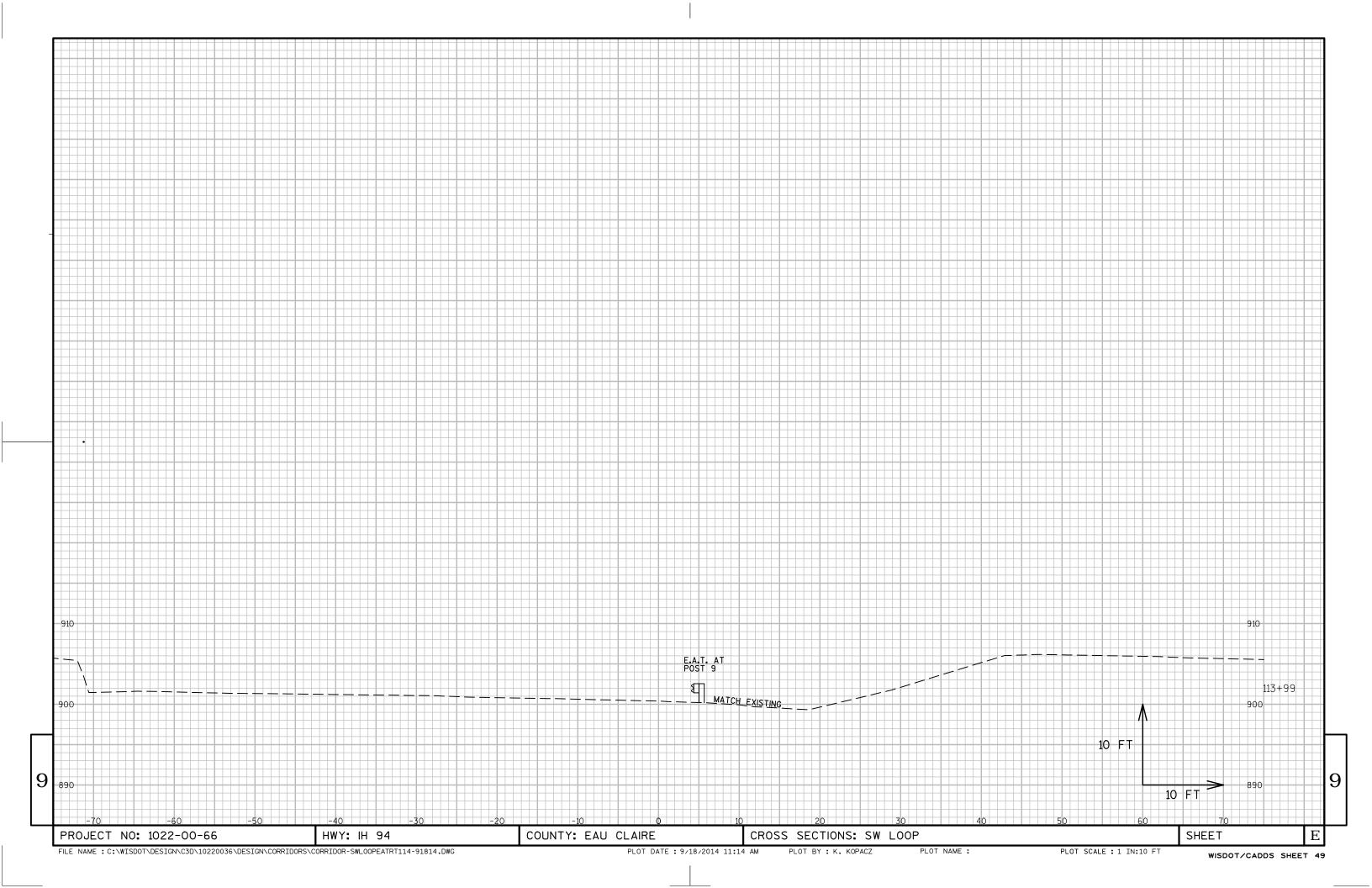


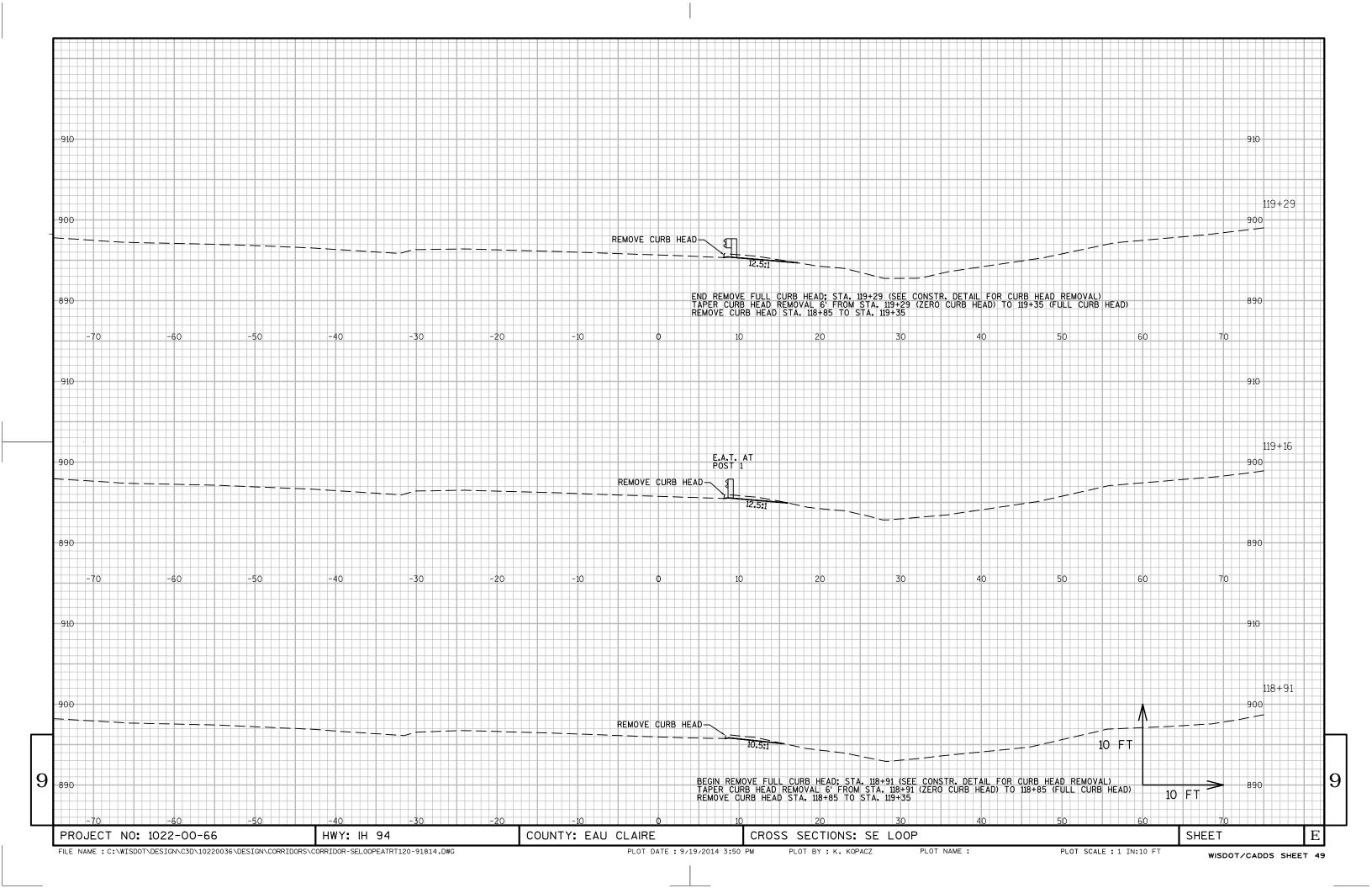


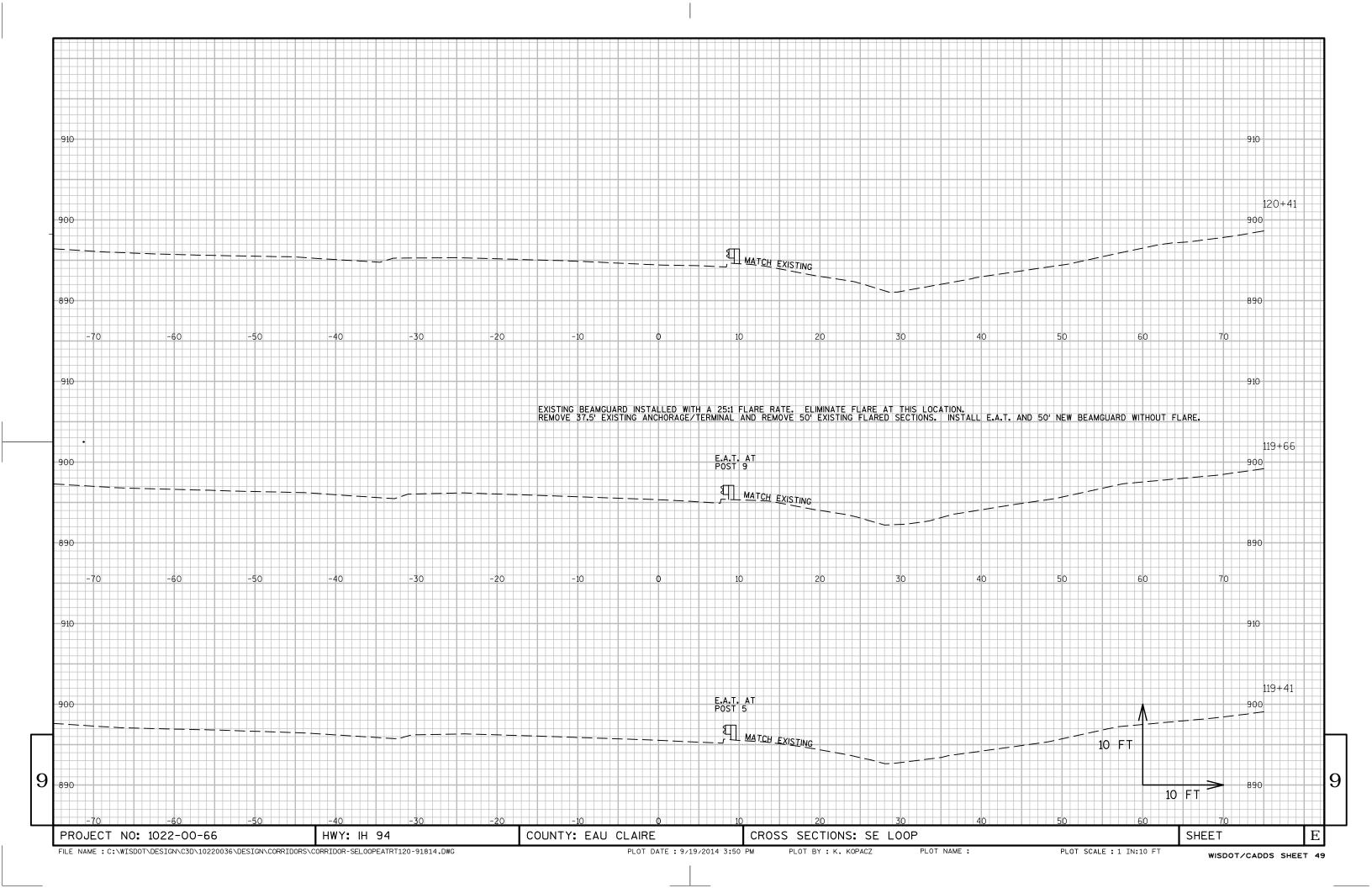


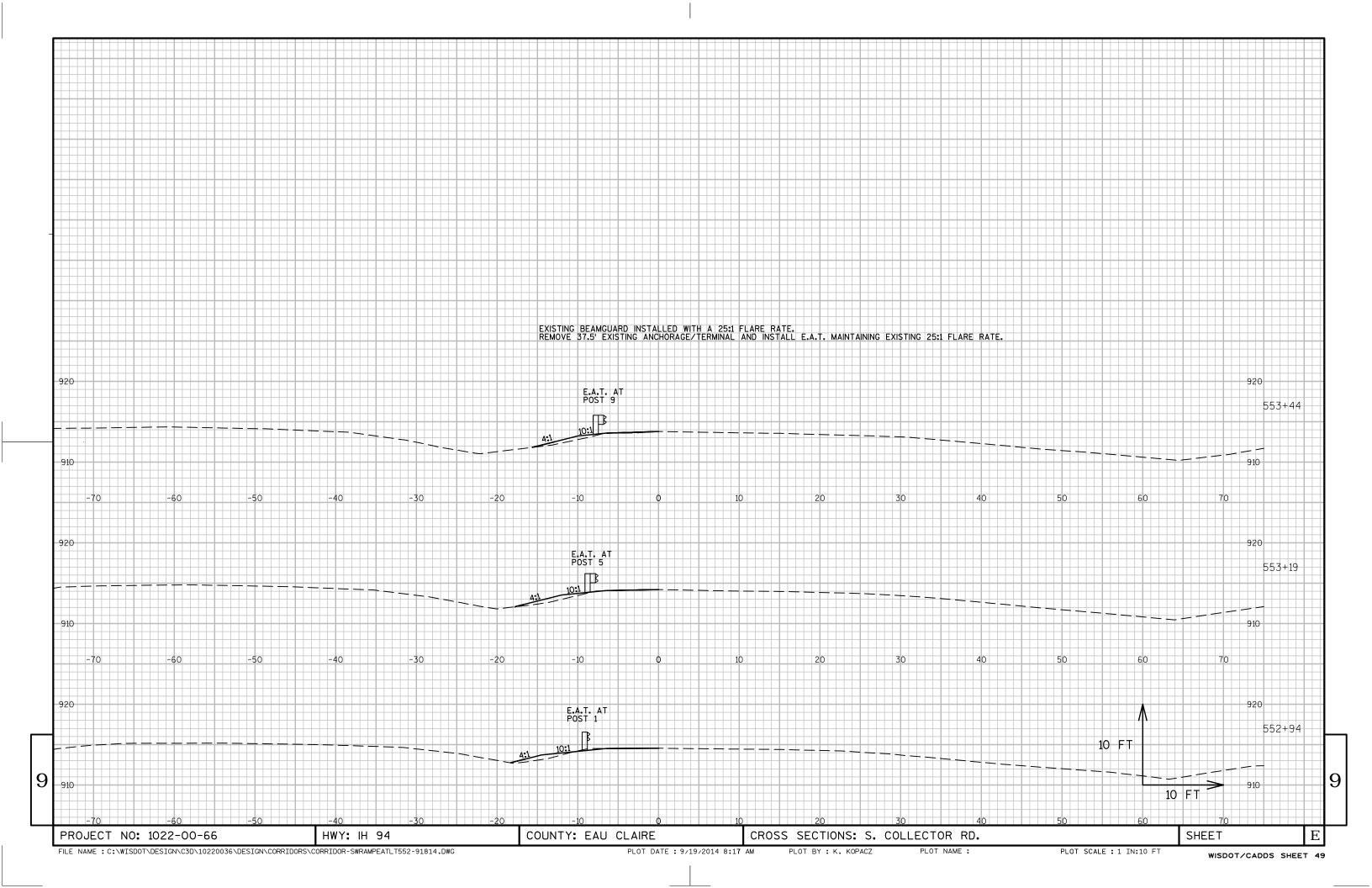


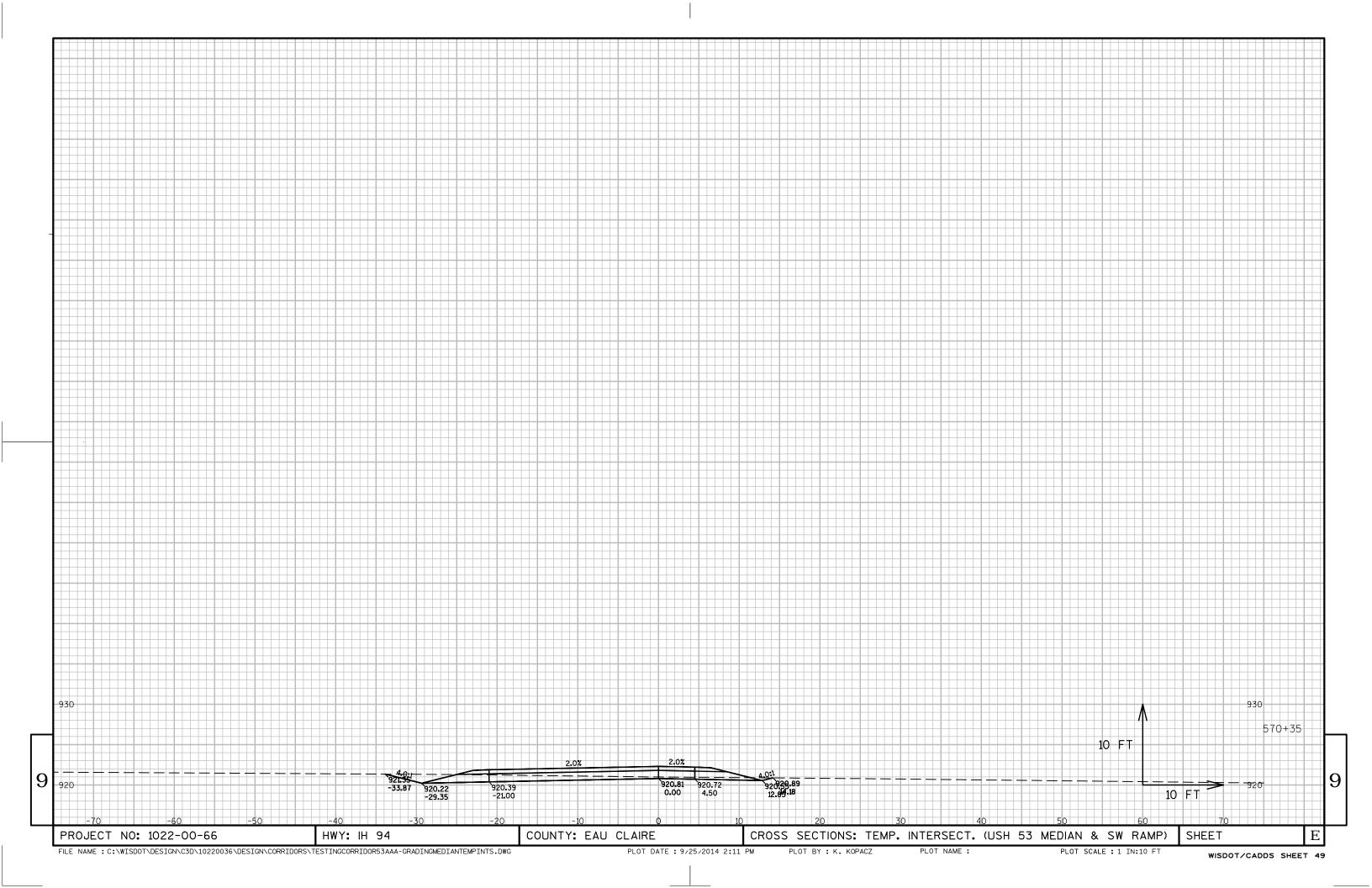


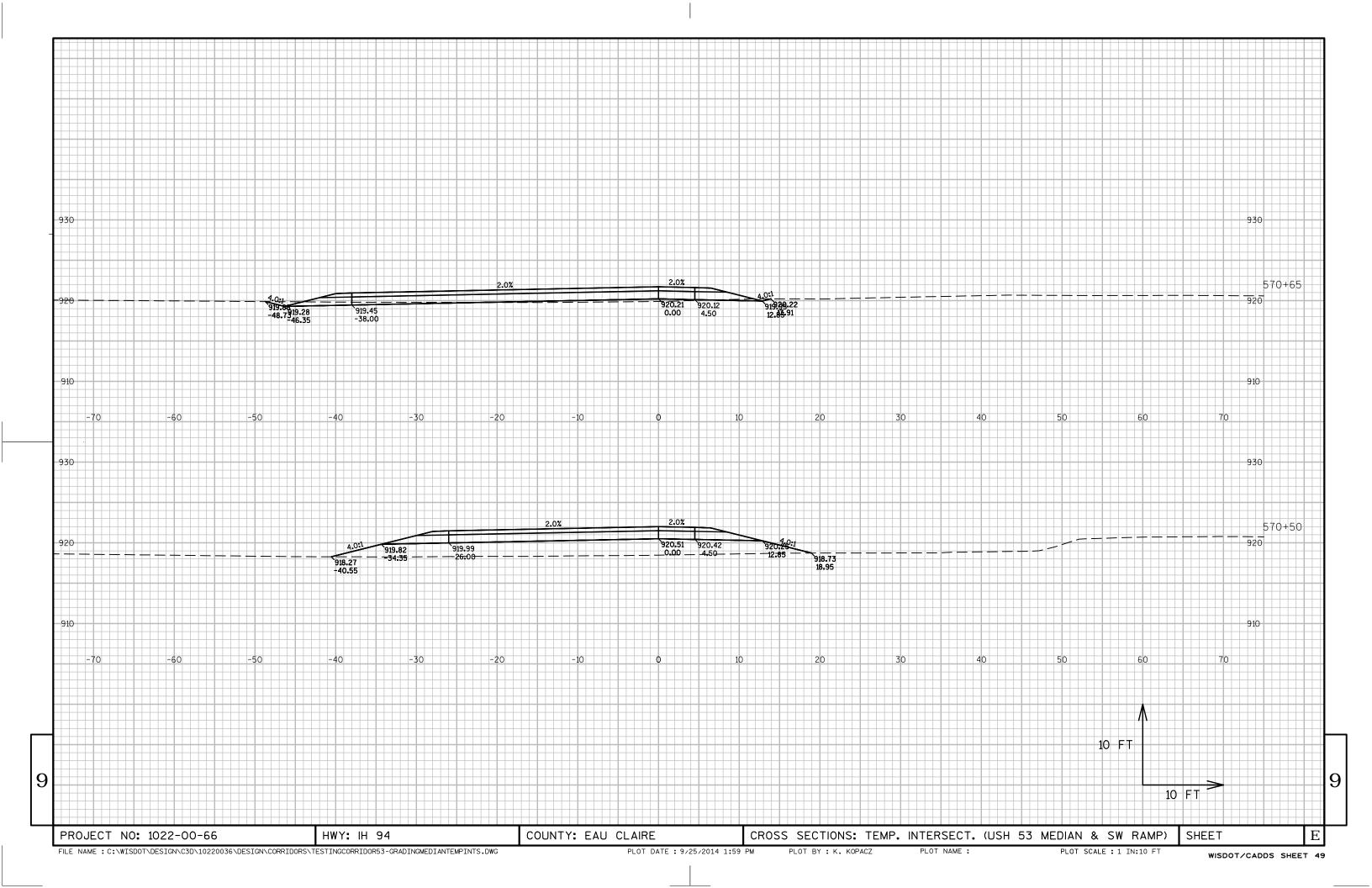


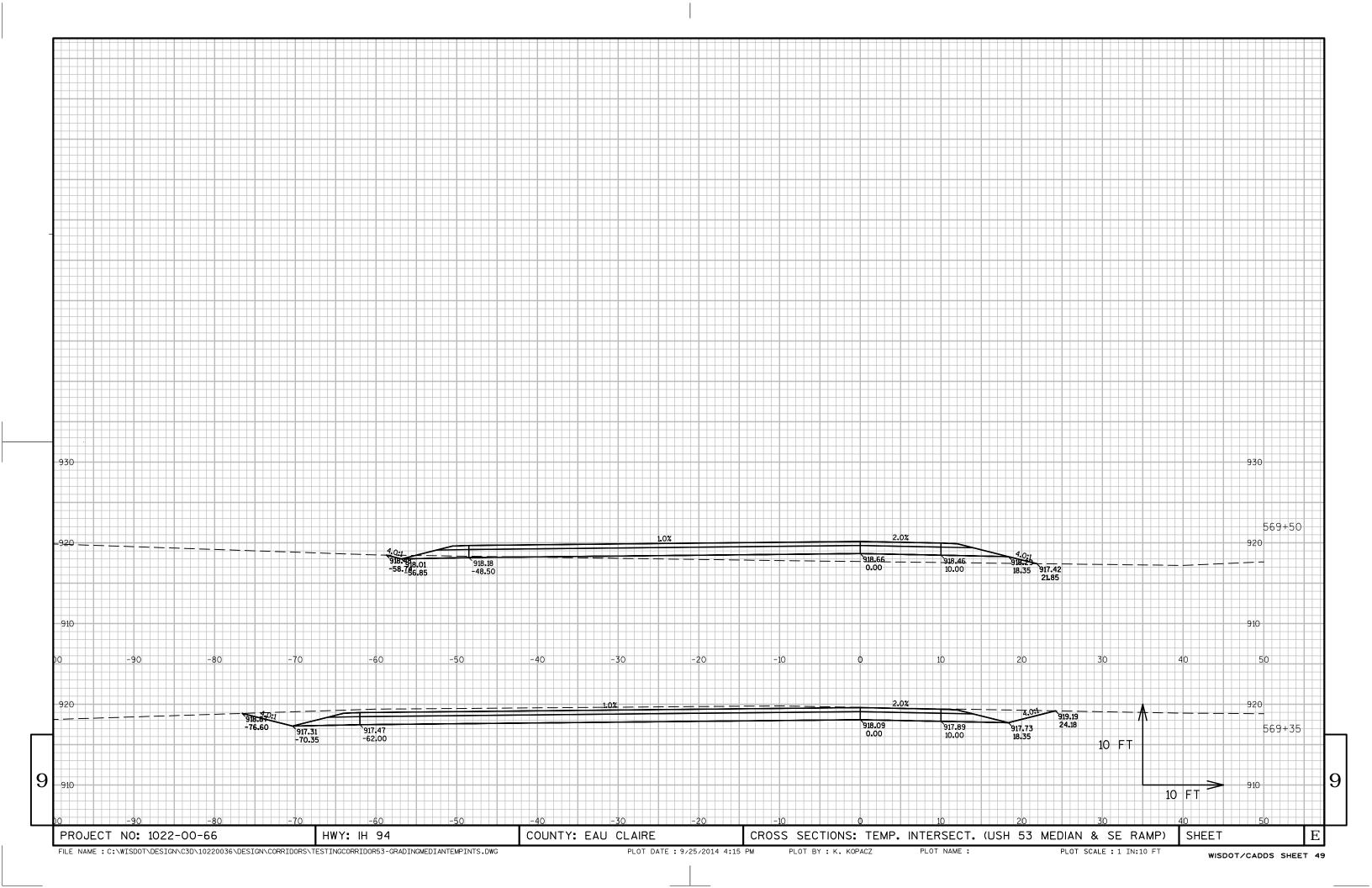














Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov