

MAD

OCTOBER 2024

PROJECT ID:
WITH: N/A

5725-00-70

COUNTY:

LAFAYETTE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 108



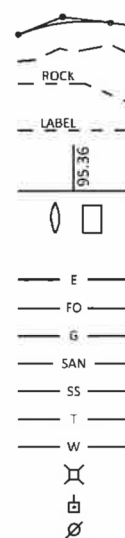
DESIGN DESIGNATION (5725-00-01)

A.A.D.T.	2025	=	350
A.A.D.T.	2045	=	520
D.H.V.		=	47
D.D.		=	60/40
T.		=	10%
DESIGN SPEED		=	55 MPH
ESALS		=	

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	////
PROPERTY LINE	---
LOT LINE	- - -
LIMITED HIGHWAY EASEMENT	L---
EXISTING RIGHT OF WAY	---
PROPOSED OR NEW R/W LINE	---
SLOPE INTERCEPT	300'ES
REFERENCE LINE	---
EXISTING CULVERT	- - -
PROPOSED CULVERT (Box or Pipe)	---
COMBUSTIBLE FLUIDS	CAUTION
MARSH AREA	~ ~ ~
WOODED OR SHRUB AREA	~ ~ ~

PROFILE	
GRADE LINE	---
ORIGINAL GROUND	---
MARSH OR ROCK PROFILE (To be noted as such)	---
SPECIAL DITCH	---
GRADE ELEVATION	---
CULVERT (Profile View)	---
UTILITIES	
ELECTRIC	---
FIBER OPTIC	---
GAS	---
SANITARY SEWER	---
STORM SEWER	---
TELEPHONE	---
WATER	---
UTILITY PEDESTAL	---
POWER POLE	---
TELEPHONE POLE	---



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

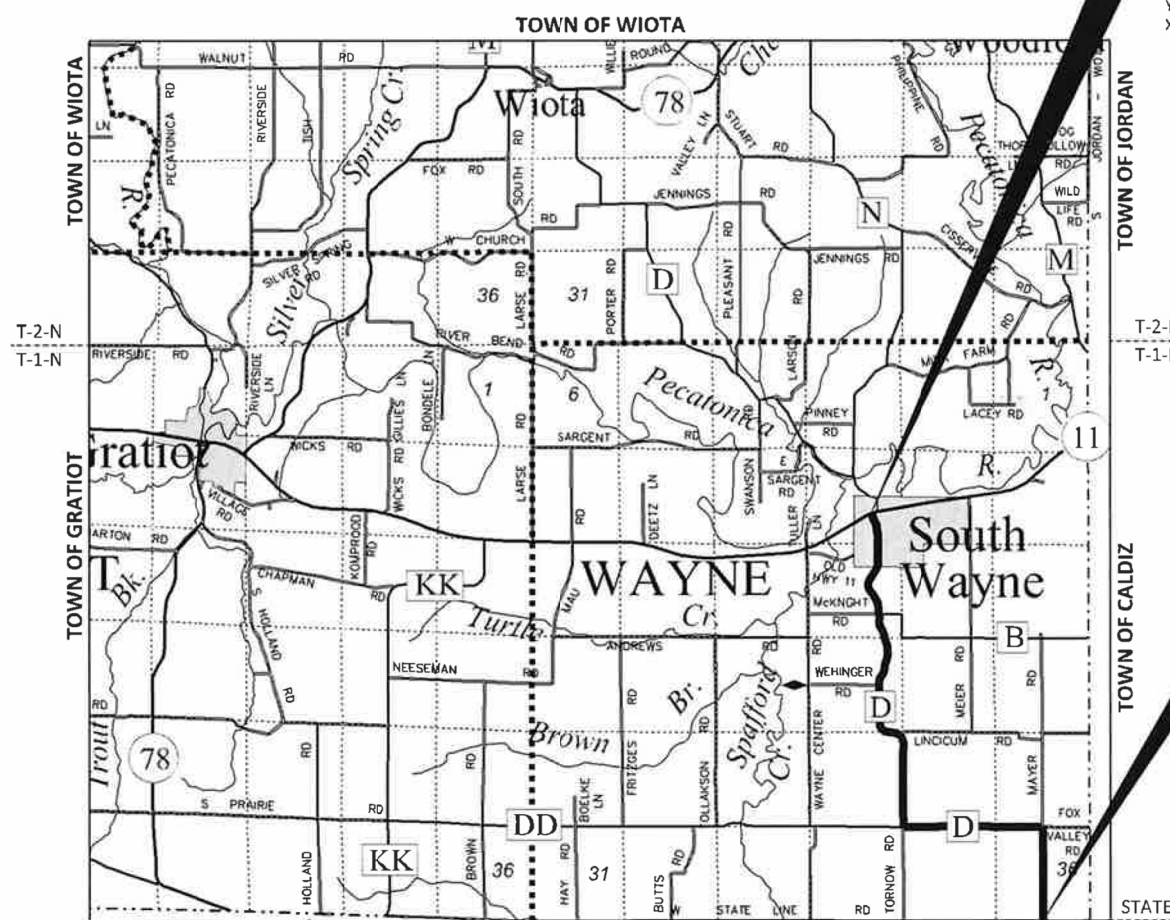
IL STATE LINE - STH 11 (CTH D)

IL STATE LINE TO STH 11

CTH D

LAFAYETTE COUNTY

STATE PROJECT NUMBER
5725-00-70



END PROJECT
STA. 332+88.27
Y = 125,400.56
X = 545,930.16

BEGIN PROJECT
STA. 10+00
Y = 102,376.39
X = 555,688.82

LAYOUT
SCALE 0 2 MI
TOTAL NET LENGTH OF CENTERLINE = 6.115 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LAFAYETTE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012), GPS DERIVED ELEVATIONS ARE BASED ON GEOID (18).

STATE PROJECT

5725-00-70

FEDERAL PROJECT

PROJECT

WISC 2025019

CONTRACT

1

ACCEPTED FOR

COUNTY of LAFAYETTE

7/1/2024 Dan Rielly
(Date) (Highway Commissioner)

ORIGINAL PLANS PREPARED BY

JEWELL
associates engineers, inc
Engineers - Architects - Surveyors

WISCONSIN
ANGELA L. CLARY
E-32243
LONE ROCK, WI
PROFESSIONAL ENGINEER
Angela L. Clary
6/27/24

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor JEWELL ASSOCIATES ENGINEERS, INC.
Designer JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager RANDY BYOM, P.E.
Regional Examiner SW REGION
Regional Supervisor KYLE HEMP, P.E.

APPROVED FOR THE DEPARTMENT

DAT: 07/01/2024 Randy Byom
(Signature)

E

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED (TYPE B), SEEDED (USE SEED MIX NO. 20), AND EROSION MATTED/MULCHED AS DIRECTED BY THE ENGINEER. DO NOT USE FERTILIZER IN WETLAND AREAS. RESTORATION AROUND GUARDRAIL IS PAID FOR UNDER BARRIER SYSTEM GRADING SHAPING FINISHING ITEM.

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE DENSE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE REQUIRES A SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

EXISTING DRIVEWAYS SHALL BE RESTORED IN KIND (UNLESS OTHERWISE NOTED) AND THEIR LOCATION VERIFIED BY THE ENGINEER IN THE FIELD.

HMA PAVMENT QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO THE MILLED SURFACE AND AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

2 ½-INCHES OF HMA PAVEMENT SHALL BE CONSTRUCTED IN ONE 2 ½-INCH LAYER HMA PAVEMENT 4 LT 58-28 S.

4 ½-INCHES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH A 2 ½-INCH UPPER LAYER HMA PAVEMENT 4 LT 58-28 S AND A 2-INCH LOWER LAYER HMA PAVEMENT 4 LT 58-28 S.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, OR PASSING LANE.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATIONS OF CONCRETE OR ASPHALT DRIVEWAYS, CONCRETE DRIVEWAYS, OR SIDE ROADS/HIGHWAYS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER IN THE FIELD OR AS SHOWN ON THE PLANS.

CURVE DATA IS BASED ON THE ARC DEFINITION.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATIONS.

ADJUST DITCH GRADING AS NECESSARY TO FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE CONFLICTS WITH SIGN INSTALLATIONS, THE CONTRACTOR SHALL WORK AROUND THE UTILITY FACILITIES.

CONTACTS

DESIGN CONSULTANT:

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EMAIL: angie.clary@jewellassoc.com

WDNR LIAISON:

WISCONSIN DEPT. OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
ATTN: SHELLEY NELSON
PH: (608) 444-2835
EMAIL: shelley.nelson@wisconsin.gov

LAFAYETTE COUNTY HIGHWAY DEPARTMENT:

DAN RIELLY, COMMISSIONER
12016 HILL STREET
DARLINGTON, WI 53530
PH: 608-776-4919
EMAIL: dan.reilly@lafayettecounty.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION:

WISDOT PROJECT MANAGER
3550 MORMON COULEE ROAD
LACROSSE, WI 54601
ATTN: RANDY BYOM, P.E.
PH: (608) 785-9966
EMAIL: randy.byom@dot.wi.gov

UTILITIES

ELECTRICITY

ALLIANT ENERGY
ATTN: BETSI BASS
1915 STATE ROAD 69 S
MONROE, WI 53566
PH: (608) 328-5323
CELL: (608) 333-4343
EMAIL: betsibass@alliantenergy.com

COMMUNICATION LINE

MEDIACOM
ATTN: BEN OMALLEY
ADDRESS: 1031 IOWA STREET
DUBUQUE, IA 52001
PH: (845) 587-2554
EMAIL: bomalley@mediacomcc.com

TDS TELECOM
ATTN: CHRIS FERGUSON
827 16TH AVENUE
MONROE, WI 53566
PH: (608) 558-8563
EMAIL: chris.ferguson@tdstelecom.com

ALLIANT ENERGY
ATTN: ALEX MCCOLLOUGH
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CEDAR RAPIDS, IA 52401
PH: (319) 786-4273
EMAIL: alexmccullough@alliantenergy.com

LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment	INV	Invert	RDWY	Roadway
AC	Acre	IP	Iron Pipe or Pin	SALV	Salvaged
AGG	Aggregate	IRS	Iron Rod Set	SAN S	Sanitary Sewer
AH	Ahead	JT	Joint	SEC	Section
<	Angle	JCT	Junction	SHLDR	Shoulder
ASPH	Asphaltic	LHF	Left-Hand Forward	SHR	Shrinkage
AVG	Average	L	Length of Curve	SW	Sidewalk
ADT	Average Daily Traffic	LIN FT	Linear Foot	S	South
BAD	Base Aggregate Dense	or LF		SQ	Square
BK	Back	LC	Long Chord of Curve	SF or SQ FT	Square Feet
BF	Back Face	MH	Manhole	SV or SQ YD	Square Yard
BM	Bench Mark	MB	Mailbox	STD	Standard
BR	Bridge	ML or M/L	Match Line	SDD	Standard Detail Drawings
C or C/L	Center Line	N	North	STH	State Trunk Highways
CC	Center to Center	Y	North Grid Coordinate	STA	Station
C.E.	Commercial Entrance	OD	Outside Diameter	SS	Storm Sewer
CTH	County Trunk Highway	PLE	Permanent Limited Easement	SG	Subgrade
CR	Creek	PT	Point	SE	Superelevation
CR	Crushed	PC	Point of Curvature	SL or S/L	Survey Line
CY or CU YD	Cubic Yard	PI	Point of Intersection	SV	Septic Vent
CP	Culvert Pipe	PRC	Point of Reverse Curvature	T	Tangent
C & G	Curb and Gutter			TEL	Telephone
D	Degree of Curve	PT	Point of Tangency	TEMP	Temporary
DHV	Design Hour Volume	POC	Point On Curve	TI	Temporary Interest
DIA	Diameter	POT	Point on Tangent	TLE	Temporary Limited Easement
E	East	PVC	Polyvinyl Chloride		
X	East Grid Coordinate	PCC	Portland Cement Concrete	t	Ton
ELEC	Electric (al)			T or TN	Town
EL or ELEV	Elevation	LB	Pound	TRANS	Transition
ESALS	Equivalent Single Axle Loads	PSI	Pounds Per Square Inch	TL or T/L	Transit Line
		P.E.	Private Entrance	T	Trucks (percent of)
EBS	Excavation Below Subgrade	R	Radius	TYP	Typical
		RR	Railroad	UNCL	Unclassified
FF	Face to Face	R	Range	UG	Underground Cable
F.E.	Field Entrance	RL or R/L	Reference Line	USH	United States Highway
F	Fill	RP	Reference Point	VAR	Variable
FG	Finished Grade	RCCP	Reinforced Concrete Culvert Pipe	V	Velocity or Design Speed
FL or F/L	Flow Line			VERT	Vertical
FT	Foot	REQD	Required	VC	Vertical Curve
FTG	Footing	RES	Residence or Residential	VOL	Volume
GN	Grid North	RW	Retaining Wall	WM	Water Main
HT	Height	RT	Right	WV	Water Valve
CWT	Hundredweight	RHF	Right-Hand Forward	W	West
HYD	Hydrant	R/W	Right-of-Way	WB	Westbound
INL	Inlet	RD	Road	YD	Yard
ID	Inside Diameter	R	River		

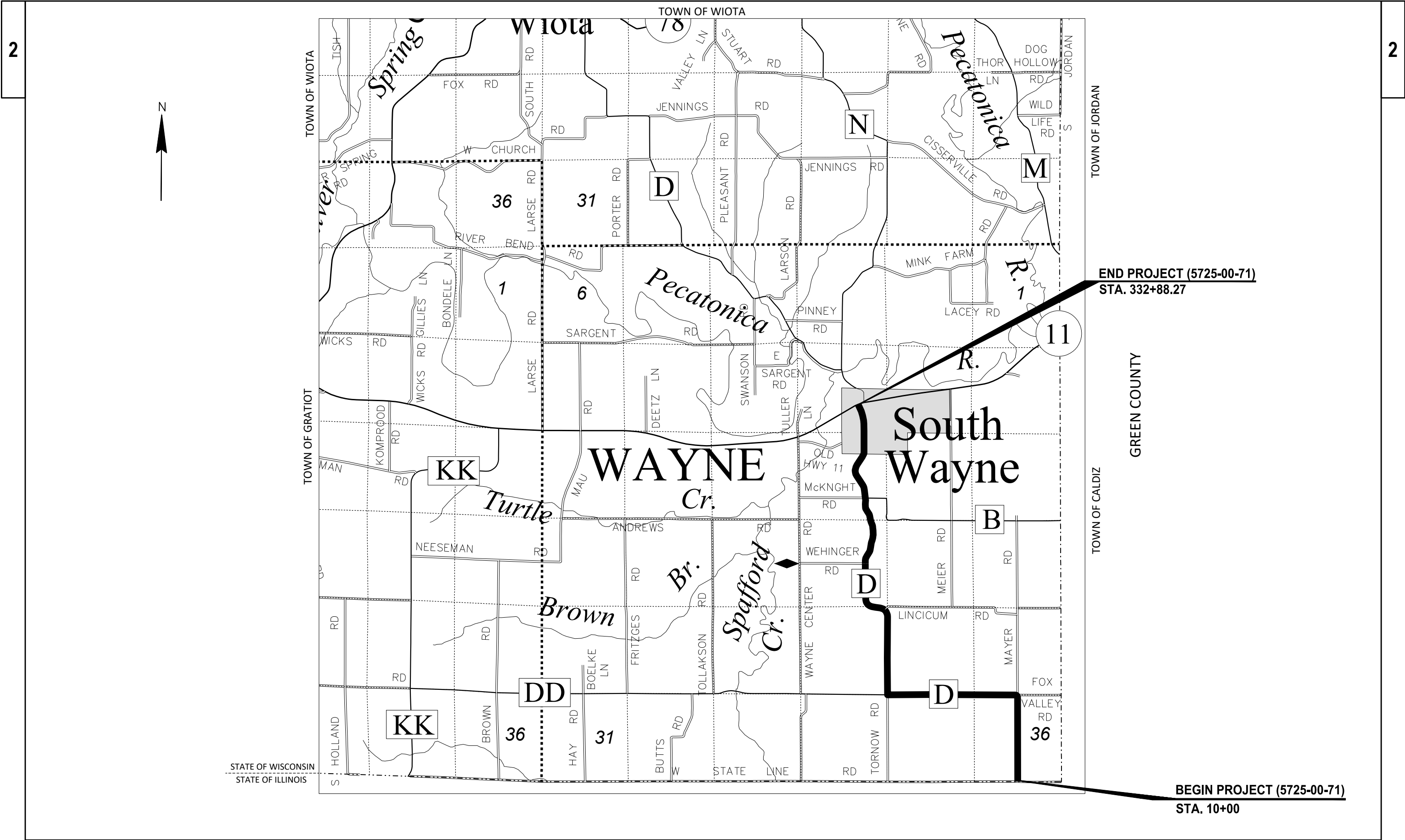
ORDER OF SECTION 2 SHEETS:

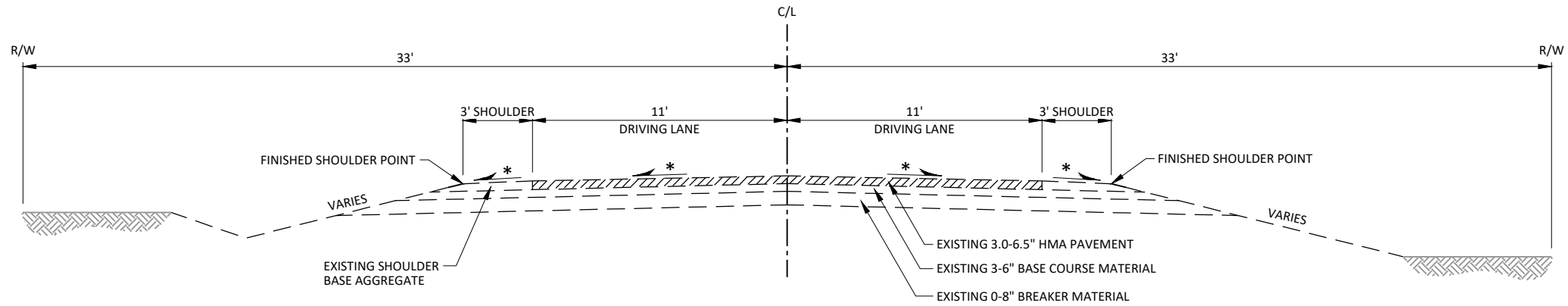
- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA= 48.92 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.47 ACRES







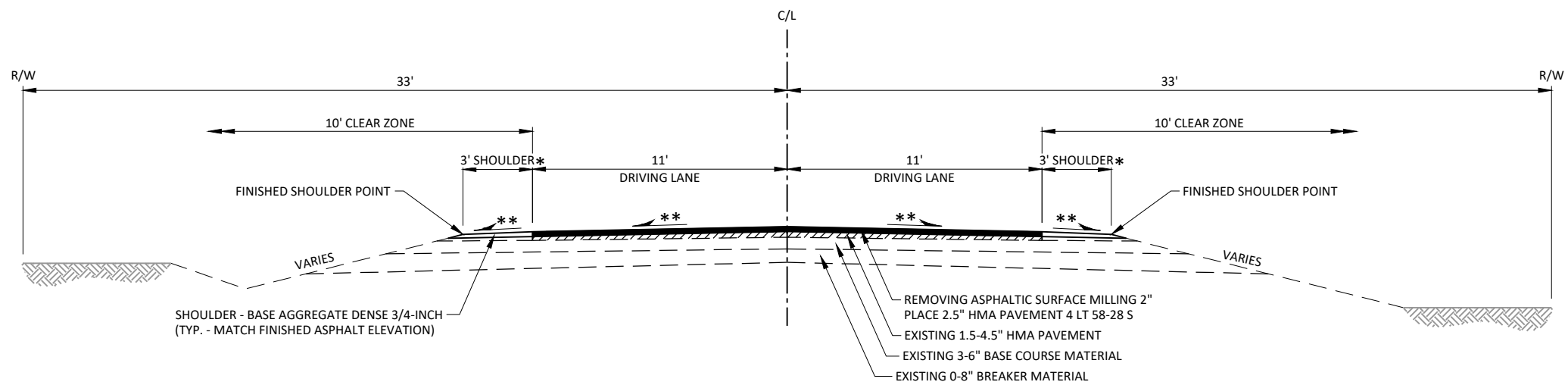
TYPICAL EXISTING SECTION

STA. 10+00 - STA. 332+88.27

* EXISTING CROSS SLOPE/SUPERELEVATION

FOR INFORMATION ONLY
BORING LOG

NO.	APPROXIMATE STATION (+/-)	EXISTING ASPHALTIC SURFACE THICKNESS (IN.)	EXISTING BASE COURSE MATERIAL THICKNESS (IN.)	EXISTING BREAKER MATERIAL THICKNESS (IN.)
1	332+05	6.5	4.0	8.0
2	308+36	4.0	4.0	2.0
3	281+56	4.5	4.0	7.0
4	255+79	5.0	4.5	6.0
5	230+36	3.5	4.0	6.0
6	206+86	4.0	6.0	7.0
7	182+74	4.0	4.0	7.0
8	159+31	4.0	3.0	8.0
9	134+93	4.0	3.0	0.0
10	111+97	4.0	4.0	4.0
11	83+92	4.0	5.0	6.0
12	58+33	3.0	3.5	4.0
13	34+19	3.5	3.0	4.0
14	10+09	5.0	5.0	6.0

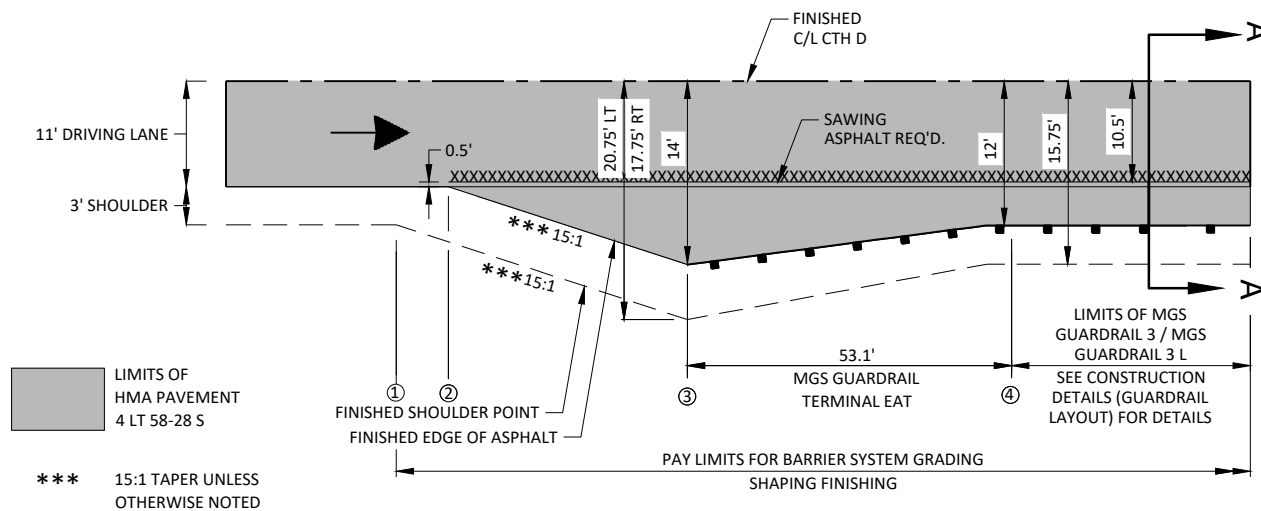


TYPICAL FINISHED SECTION

STA. 10+00 - STA. 332+88.27

* 1' AT GUARDRAIL SECTIONS

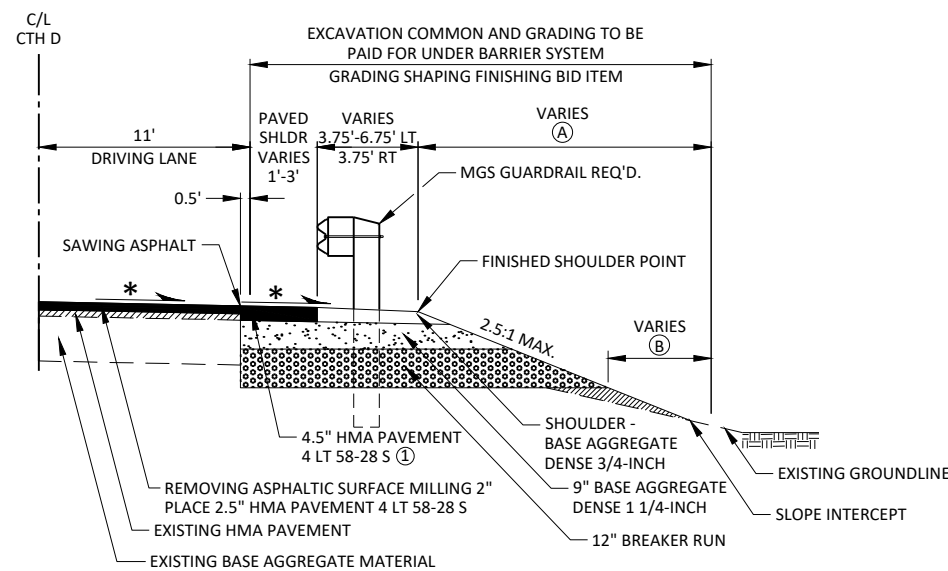
** MATCH EXISTING CROSS SLOPE/SUPERELEVATION



GUARDRAIL LAYOUT DETAIL

GUARDRAIL LAYOUT TABLE

STATION-STATION	LOCATION	STATION			
		①	②	③	④
267+95 - 269+45	MAINLINE, LT.	267+95	268+51	268+95	269+45
267+67 - 268+74	MAINLINE, RT.	267+67	267+79	268+24	268+74
271+40 - 272+38	MAINLINE, LT.	272+38	272+31	271+91	271+40
270+56 - 271+72	MAINLINE, RT.	271+72	271+49	271+05	270+56



SECTION A-A

BASE AGGREGATE DENSE 1 1/4-INCH REQ'D.

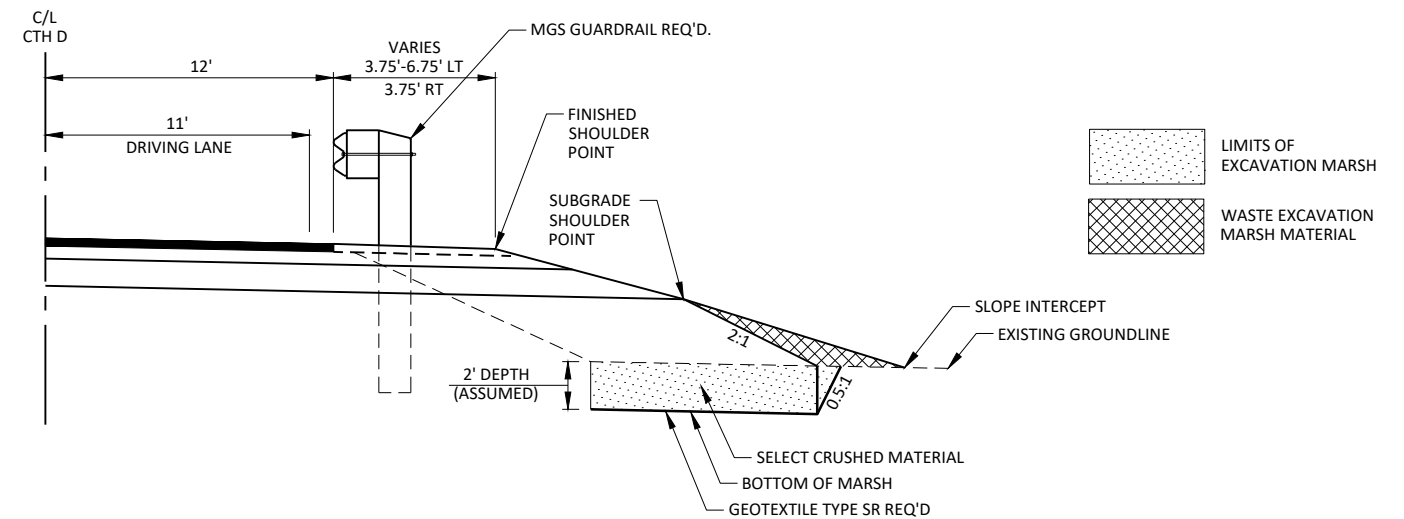
BREAKER RUN REQ'D.

BORROW MATERIAL (PAID FOR UNDER BARRIER SYSTEM GRADING SHAPING FINISHING)

* MATCH EXISTING CROSS SLOPE/SUPERELEVATION (SEE CROSS SECTIONS FOR FURTHER INFORMATION).

(A) LIMITS OF FERTILIZER TYPE B AND SEEDING MIXTURE NO. 20 (AS DIRECTED BY THE ENGINEER). PAID FOR UNDER BARRIER SYSTEM GRADING SHAPING FINISHING BID ITEM.

(B) LIMITS OF SALVAGED TOPSOIL AND EROSION MAT CLASS II TYPE C (AS DIRECTED BY THE ENGINEER). PAID FOR UNDER BARRIER SYSTEM GRADING SHAPING FINISHING BID ITEM.

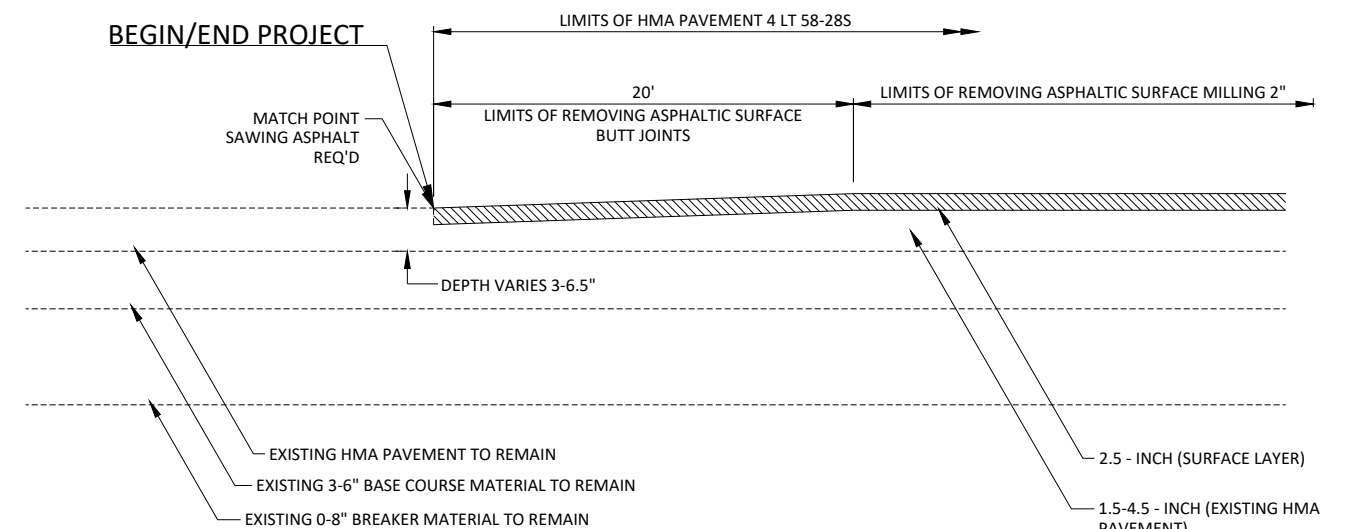
① LOWER LAYER - 2" 4 LT 58-28 S
UPPER LAYER - 2.5" 4 LT 58-28 S

TYPICAL EXCAVATION MARSH

STA. 269+50 - STA. 270+50, RT.
STA. 269+50 - STA. 272+00, LT.

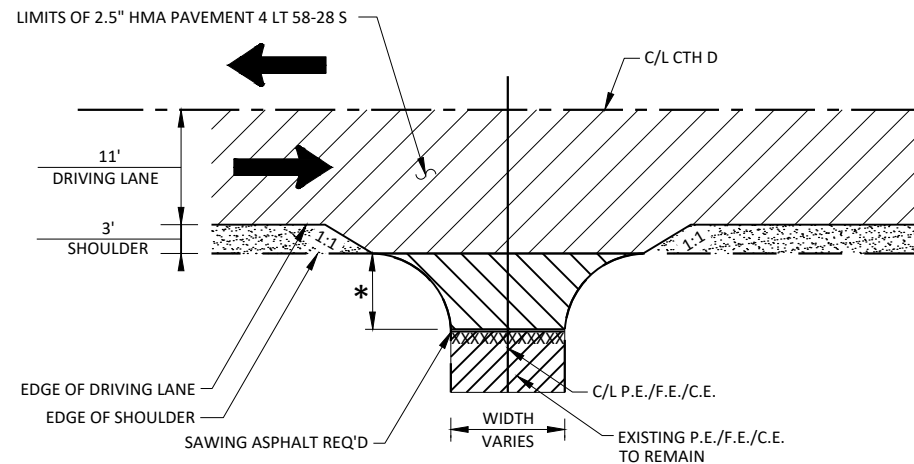
NOTE: FINAL LIMITS TO BE ADJUSTED IN THE FIELD AS DETERMINED BY THE ENGINEER.

BEGIN/END PROJECT



REMOVING ASPHALTIC SURFACE BUTT JOINTS

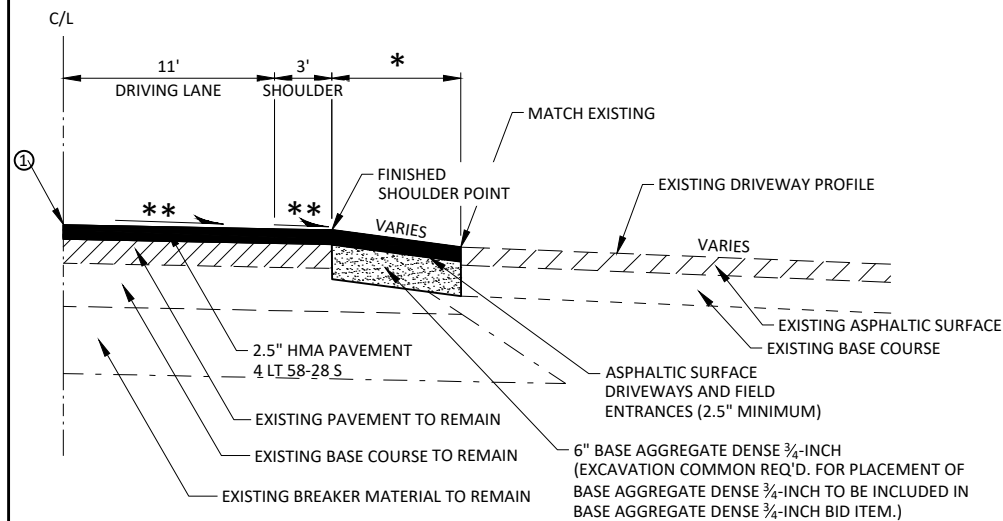
STA. 10+00 - STA. 10+20
STA. 332+68.27 - STA. 332+88.27



-  LIMITS OF REMOVING ASPHALTIC SURFACE MILLING 2" AND PLACE 2.5" HMA PAVEMENT 4 LT 58-28 S
-  LIMITS OF BASE AGGREGATE DENSE 3/4-INCH
-  LIMITS OF REMOVING ASPHALTIC SURFACE (AT DRIVEWAY) AND PLACE ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (2.5" MINIMUM) OVER 6" B.A.D.
-  LIMITS OF EXISTING ASPHALTIC SURFACE P.E./F.E./C.E. TO REMAIN

P.E./F.E./C.E. (EXISTING ASPHALT) DRIVEWAY DETAIL-RURAL

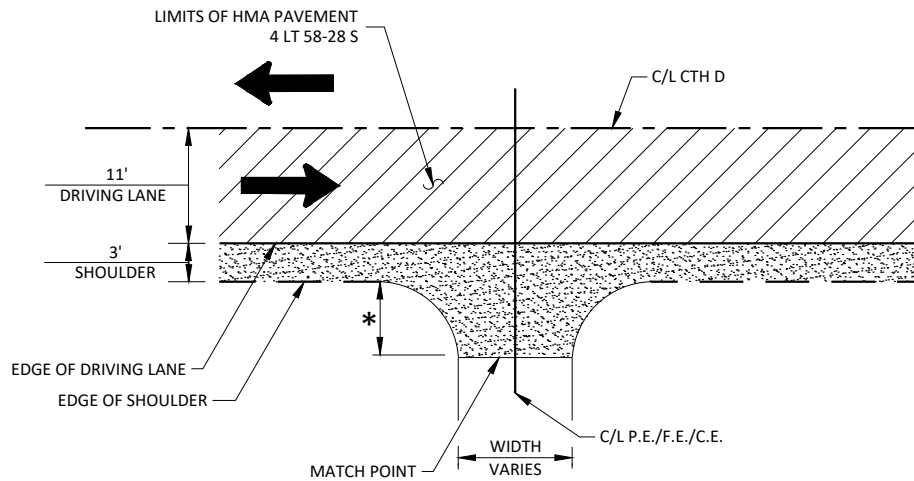
* REPLACE IN KIND TO THE RADIUS POINTS OF EACH DRIVEWAY (OR AS DIRECTED BY ENGINEER)



- * REPLACE IN KIND TO THE RADIUS POINTS OF EACH DRIVEWAY (OR AS DIRECTED BY ENGINEER)
- ** MATCH EXISTING CROSS SLOPE/SUPERELEVATION

P.E./F.E./C.E. (EXISTING ASPHALT) PROFILE

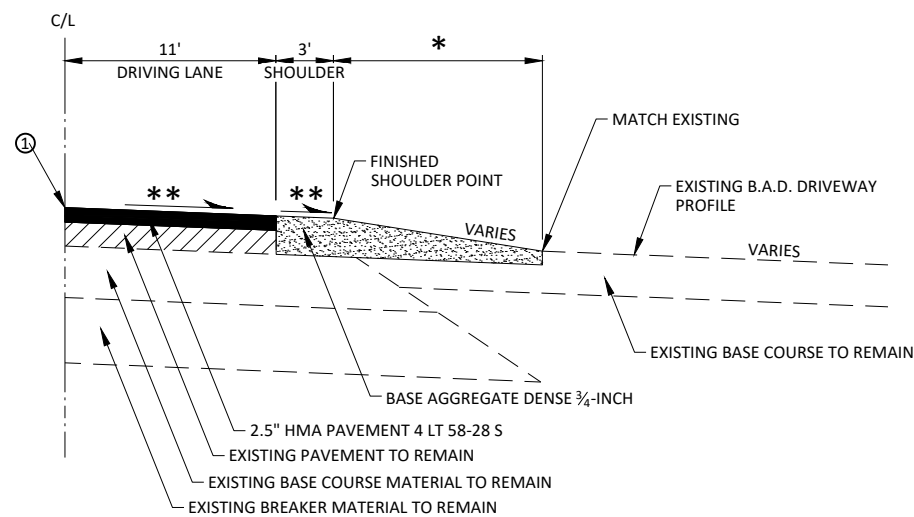
① RAISE CTH D PROPOSED VERTICAL PROFILE BY 0.5" OVER EXISTING



-  LIMITS OF REMOVING ASPHALTIC SURFACE MILLING 2" AND PLACE 2.5" HMA PAVEMENT 4 LT 58-28 S
-  LIMITS OF BASE AGGREGATE DENSE 3/4-INCH

P.E./F.E./C.E. (EXISTING B.A.D.) DRIVEWAY DETAIL-RURAL

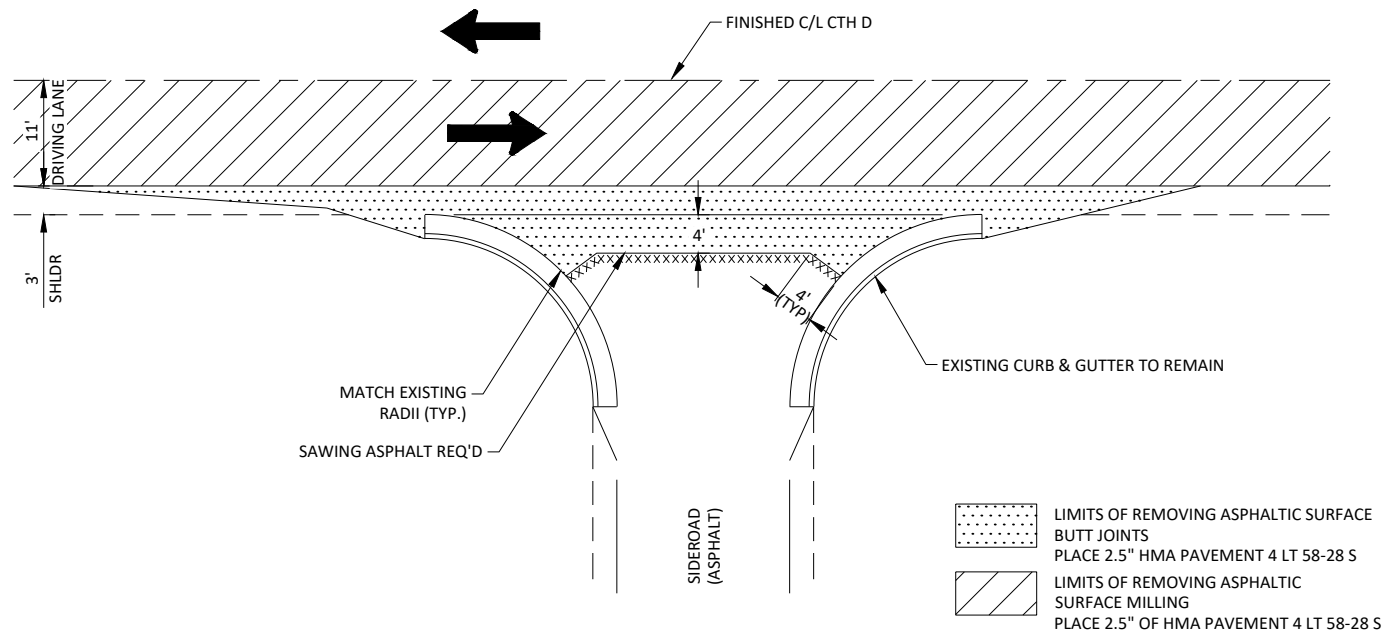
* REPLACE IN KIND TO THE RADIUS POINTS OF EACH DRIVEWAY (OR AS DIRECTED BY ENGINEER)



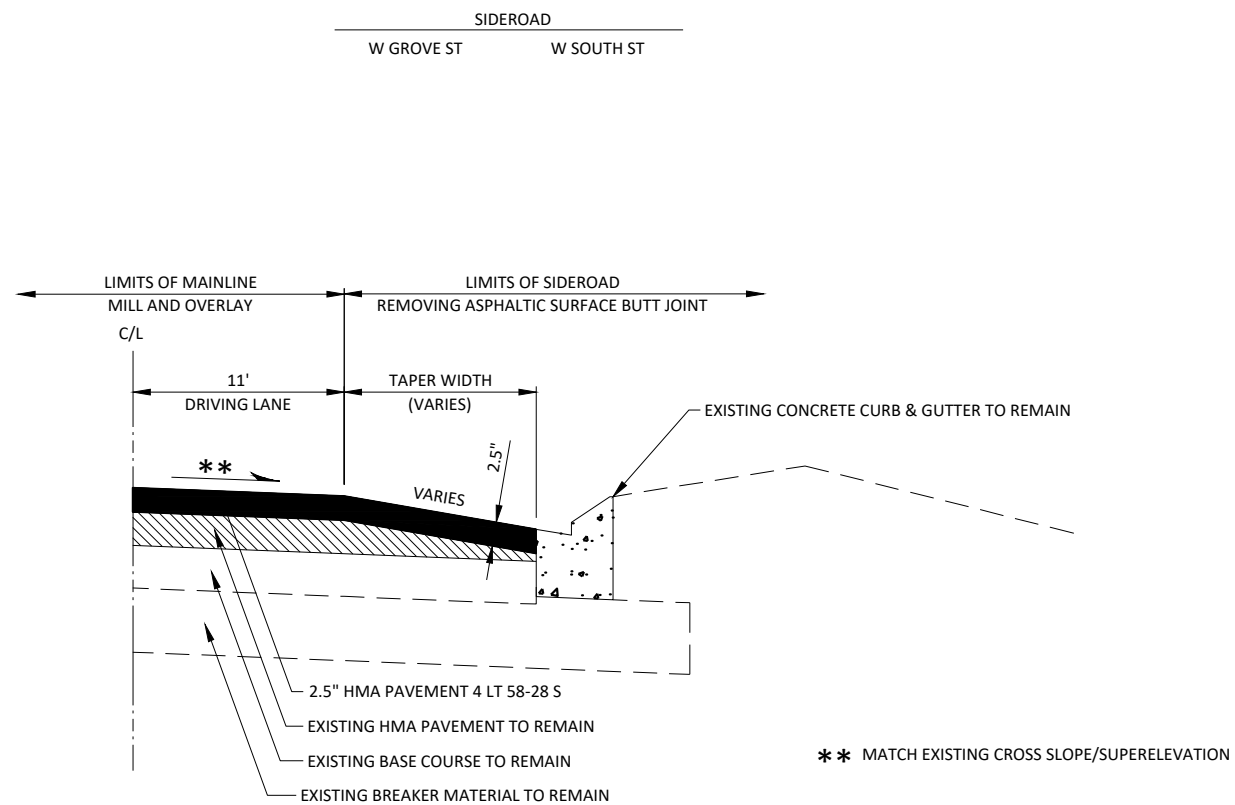
- * REPLACE IN KIND TO THE RADIUS POINTS OF EACH DRIVEWAY (OR AS DIRECTED BY ENGINEER)
- ** MATCH EXISTING CROSS SLOPE/SUPERELEVATION

P.E./F.E./C.E. (EXISTING B.A.D.) PROFILE

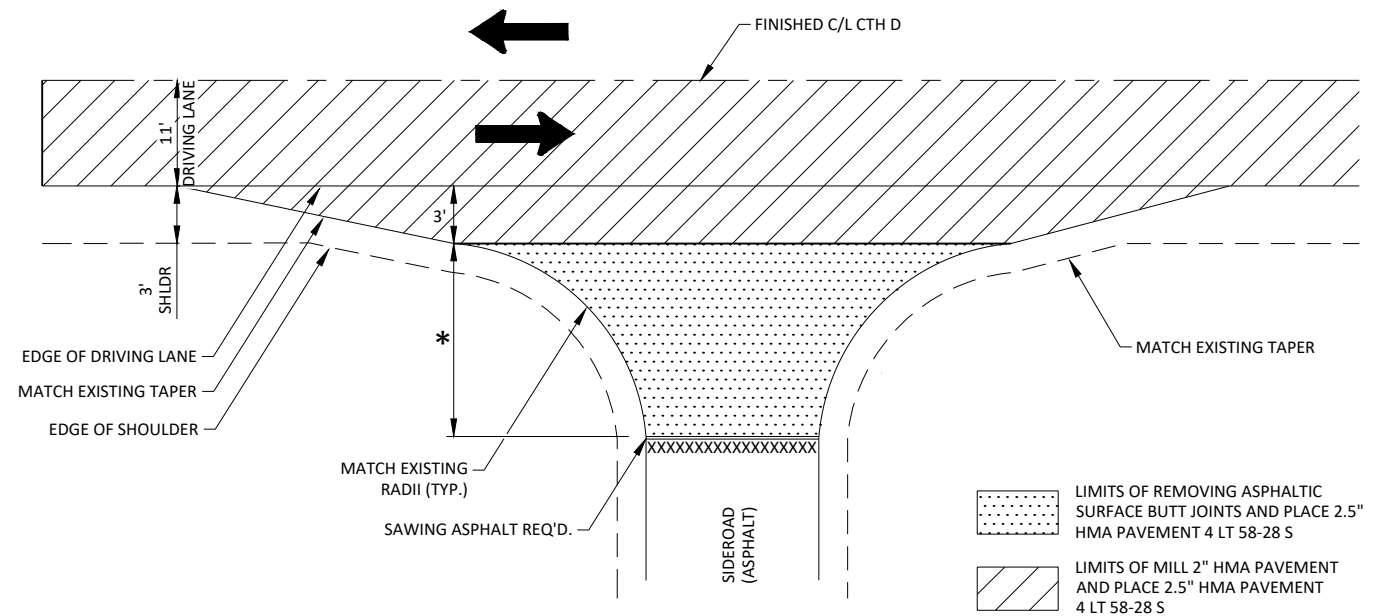
① RAISE CTH D PROPOSED VERTICAL PROFILE BY 0.5" OVER EXISTING



TYPICAL RURAL SIDEROAD DETAIL WITH CURB & GUTTER

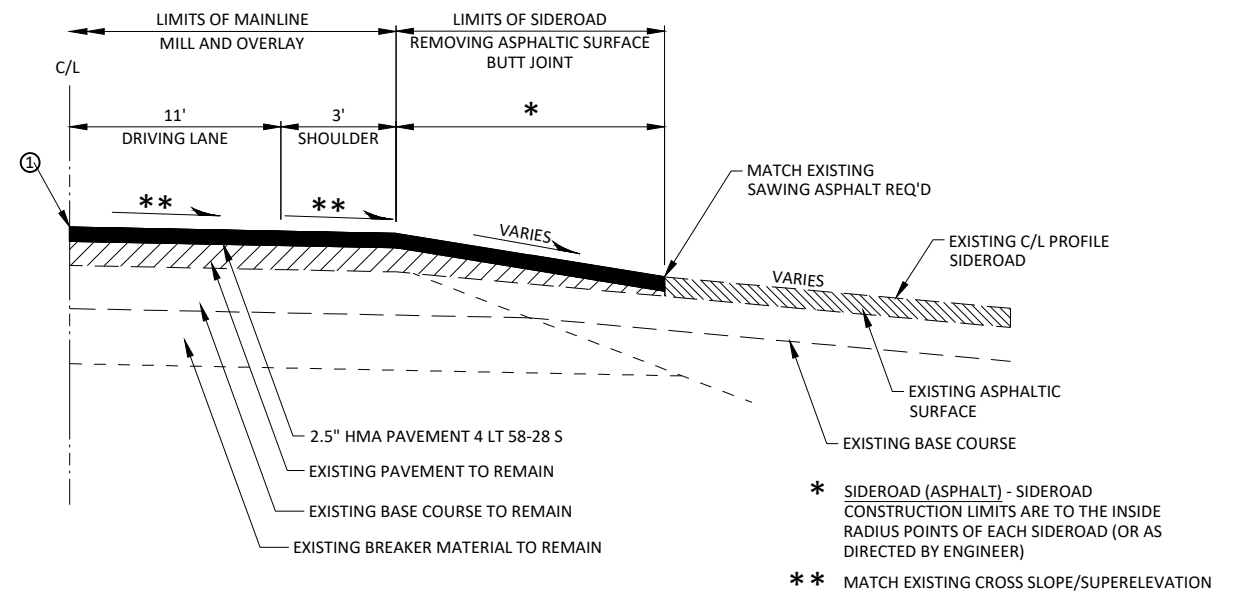


TYPICAL RURAL SIDEROAD PROFILE WITH CURB & GUTTER



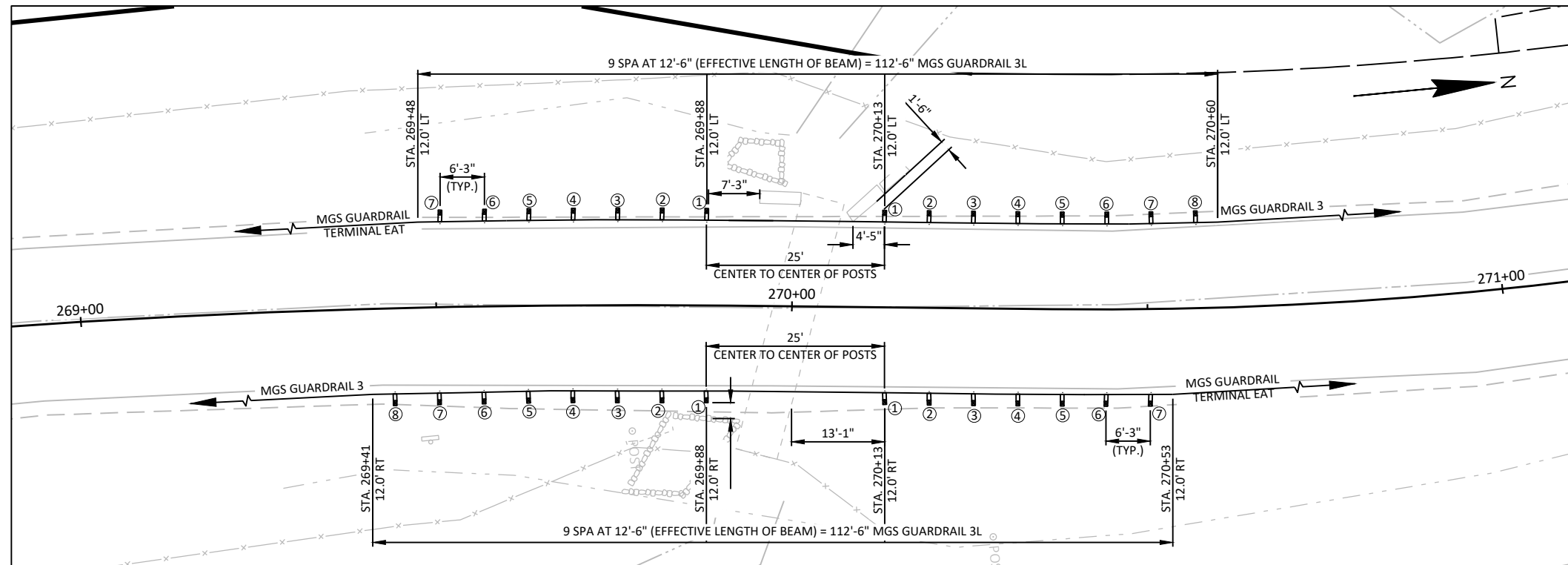
TYPICAL RURAL SIDEROAD DETAIL

SIDEROAD		*** SAWCUT AT EXISTING C&G/CONCRETE FLUME
LINCICUM RD	S VERLEY ST ***	
WEHINGER RD	OLD HWY 11 (NORTH)	
MCKNIGHT RD	OLD HWY 11 (SOUTH)	
CTH B		



TYPICAL RURAL SIDEROAD PROFILE

① RAISE PROPOSED CTH D VERTICAL PROFILE BY 0.5" OVER EXISTING



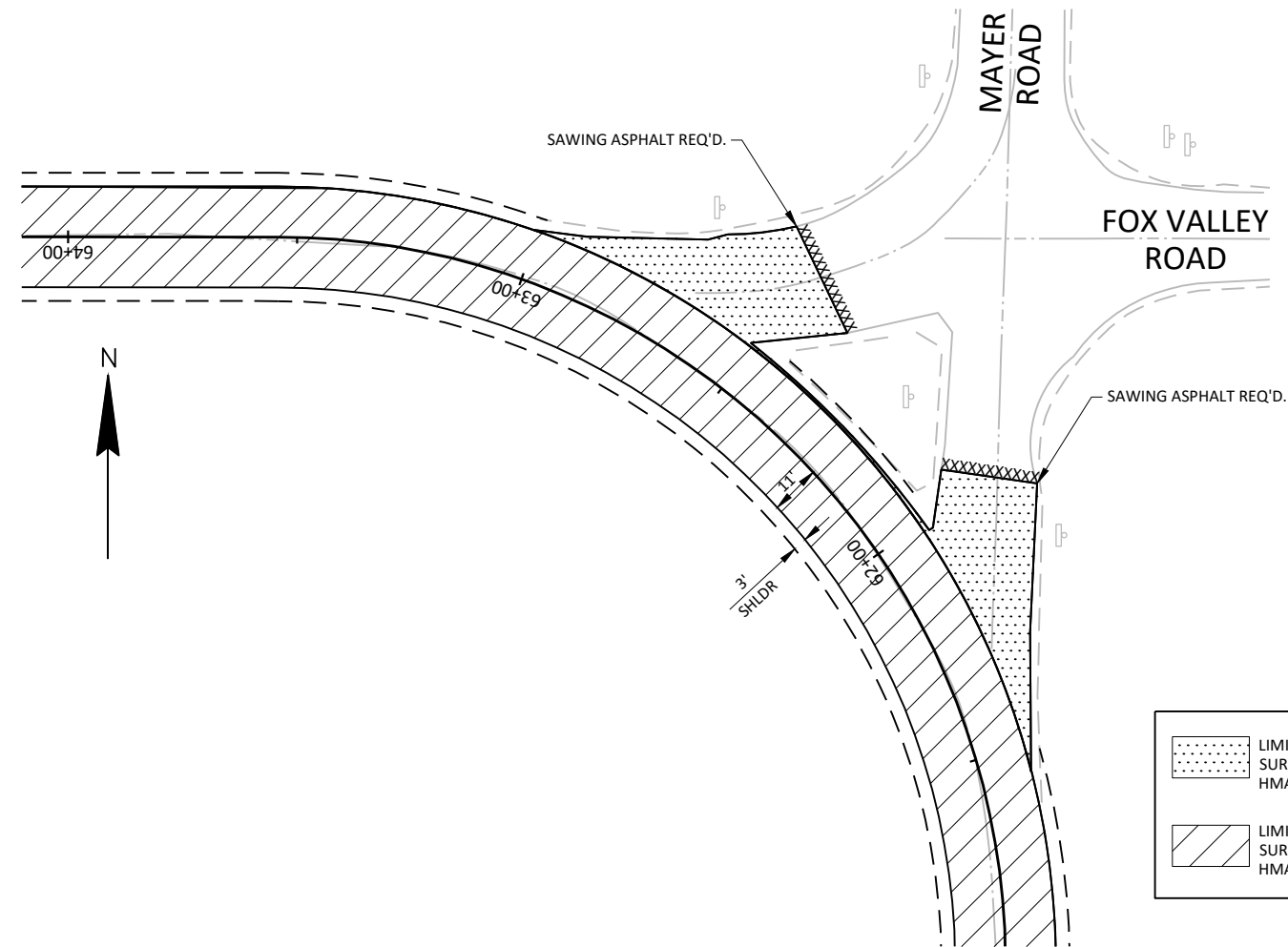
MGS LONG SPAN LAYOUT AT CATTLE PASS

STA. 269+41 - 270+53, RT.

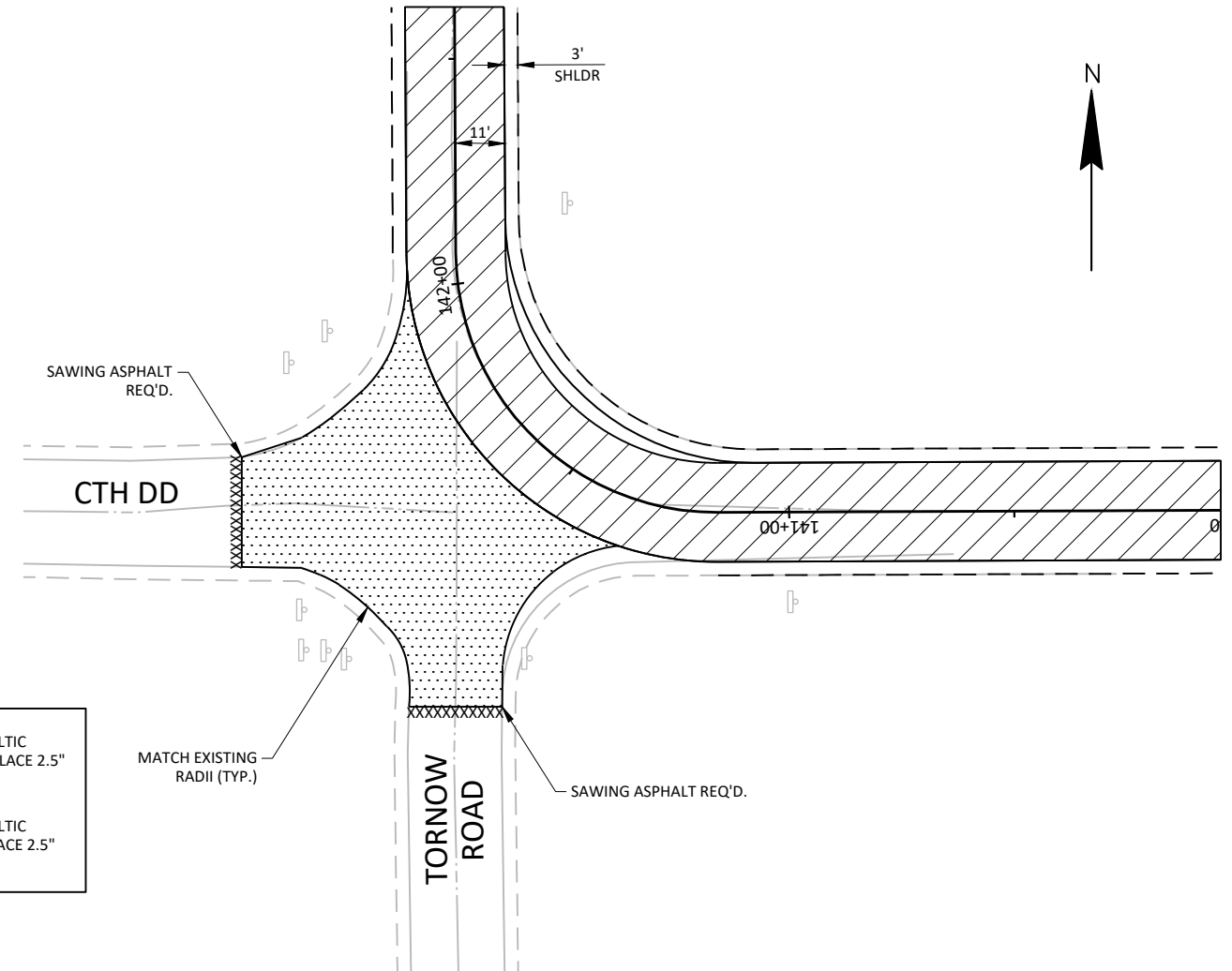
STA. 269+48 - 270+60, LT.

SEE SDD MIDWEST GUARDRAIL SYSTEM LONG

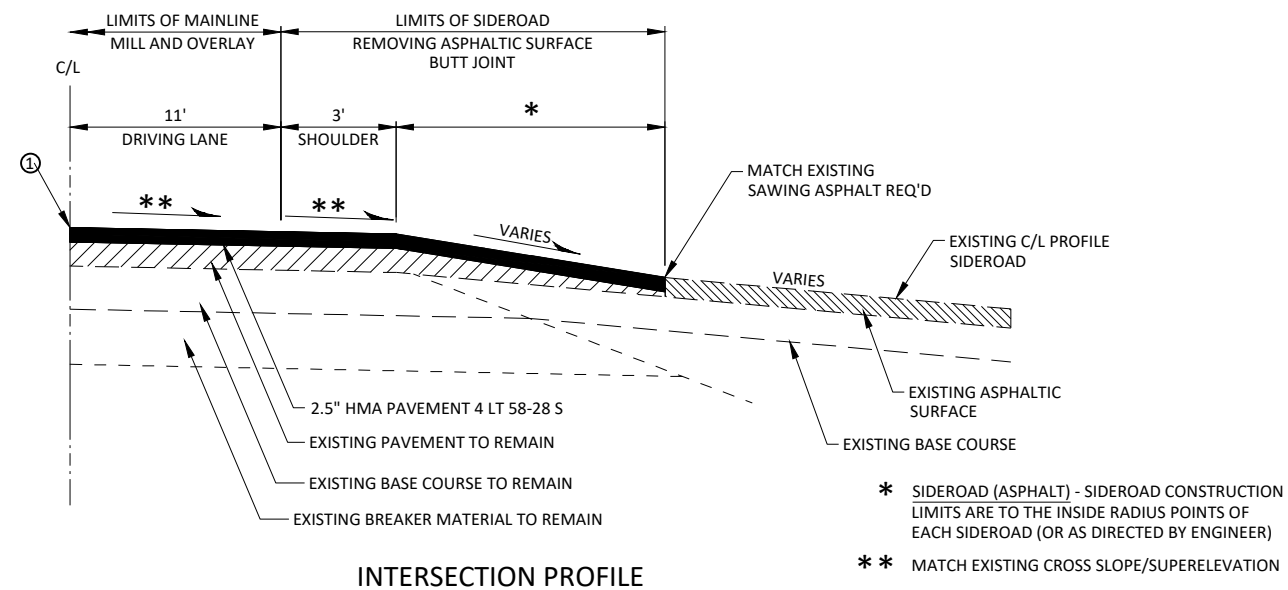
SPAN MGS (L) FOR MORE INFORMATION



CONSTRUCTION DETAIL AT
FOX VALLEY RD/MAYER RD/CTH D INTERSECTION

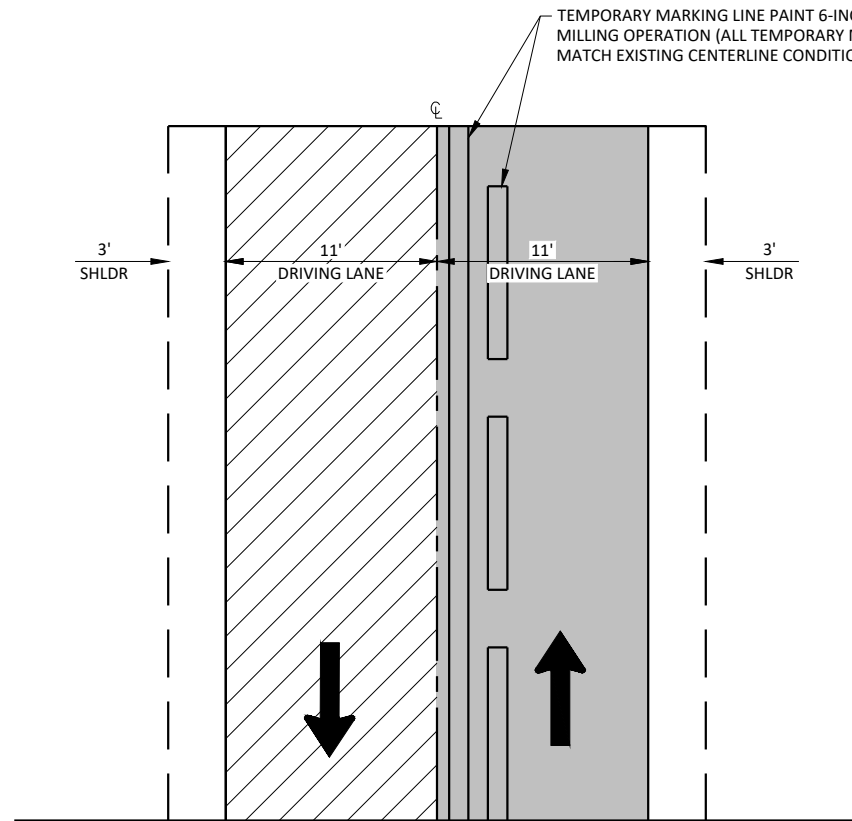


CONSTRUCTION DETAIL AT
CTH DD/TORNOW RD/CTH D INTERSECTION

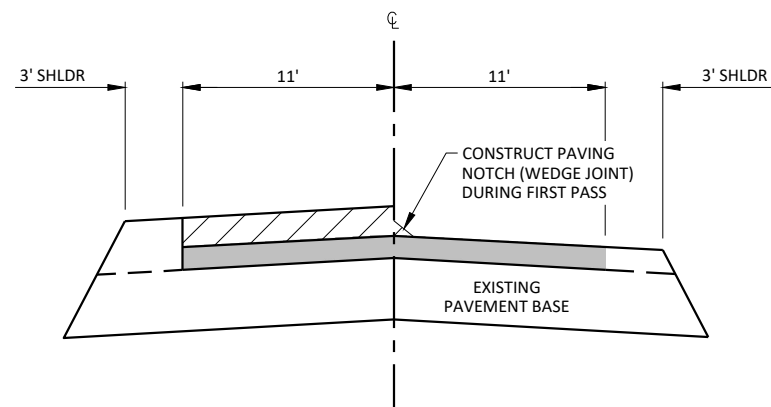
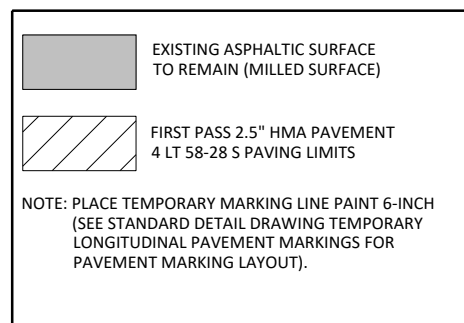


INTERSECTION PROFILE

① RAISE PROPOSED CTH D VERTICAL PROFILE BY 0.5" OVER EXISTING



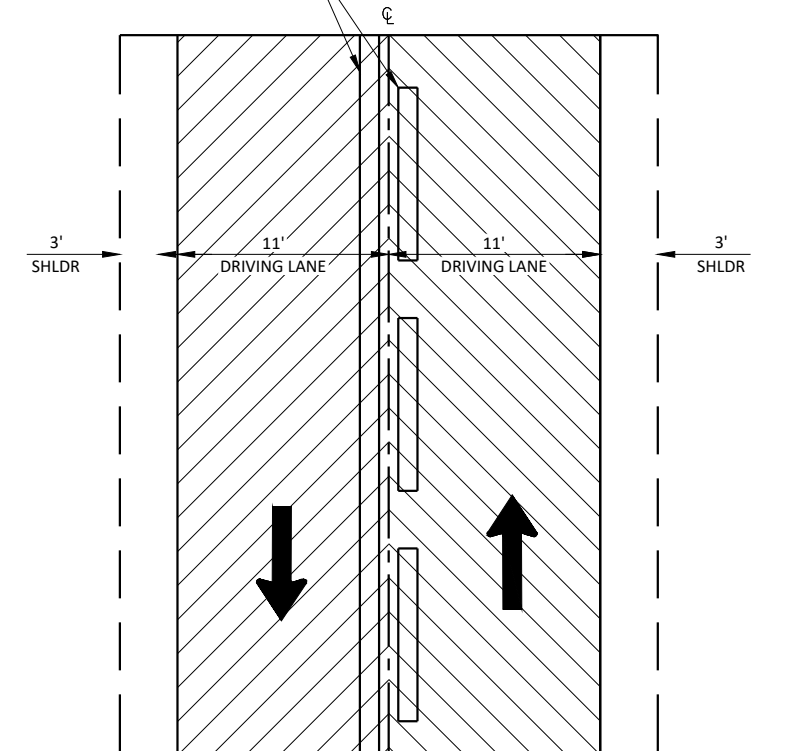
PLAN VIEW



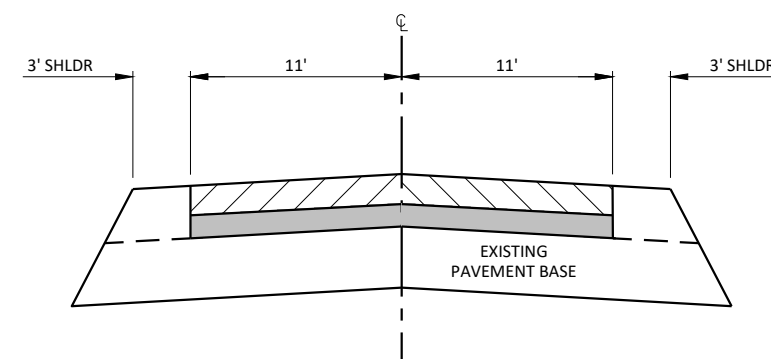
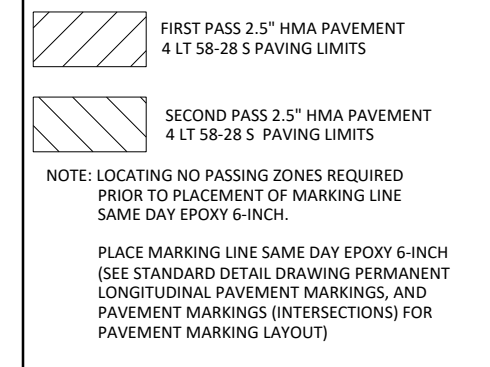
CROSS SECTION VIEW

FIRST PASS DETAIL

MARKING LINE SAME DAY EPOXY 6-INCH TO BE PLACED SAME DAY AS PAVING OPERATION.



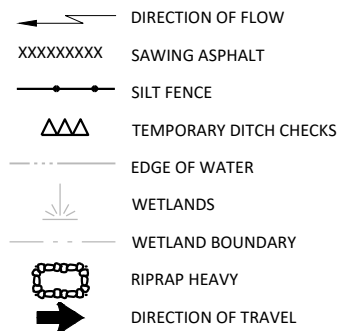
PLAN VIEW



CROSS SECTION VIEW

SECOND PASS DETAIL

LEGEND



THE TRUST AGREEMENT OF RANDALL AND RENEE BUISKER TRUST

EXISTING CONCRETE MASONRY
HEADWALL TO REMAIN

STA. 267+00 - STA. 272+90, LT.
FENCE TO BE REMOVED BY OTHERS

EXISTING RIPRAP TO REMAIN

RICHARD MCKNIGHT TRUST

0.03 ACRES
FEE REQ'D.

53.1'

MGS GUARDRAIL
TERMINAL EAT

112.5'

MGS GUARDRAIL 3 L

75'

MGS GUARDRAIL 3

53.1'

MGS GUARDRAIL
TERMINAL EAT

0.01 ACRES
TLE REQ'D.

POST 1

STA. 268+95

14.0' LT.

POST 5

STA. 269+20

13.0' LT.

POST 9

STA. 269+45

12.0' LT.

PT 1+15+91.25

PC: 270+36.57

POST 9

STA. 271+40

12.0' LT.

POST 5

STA. 271+66

13.0' LT.

POST 1

STA. 271+91

14.0' LT.

PT: 266+90.95

PC: 267+84.18

33'

15:1

15:1

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RIPRAP HEAVY LAYOUT TABLE

POINT	STATION	OFFSET
A	269+68	31' RT.
B	269+83	16' RT.
C	269+93	17' RT.
D	269+78	32' RT.
E	269+99	32' RT.
F	270+00	22' RT.
G	270+08	22' RT.
H	270+08	32' RT.
I	270+07	23' LT.
J	270+14	31' LT.
K	270+21	31' LT.
L	270+09	16' LT.

STA. 267+75 - STA. 270+25, RT.
FENCE TO BE REMOVED BY OTHERS

EXISTING 72" CMP CATTLE PASS
TO REMAIN

RICHARD MCKNIGHT TRUST

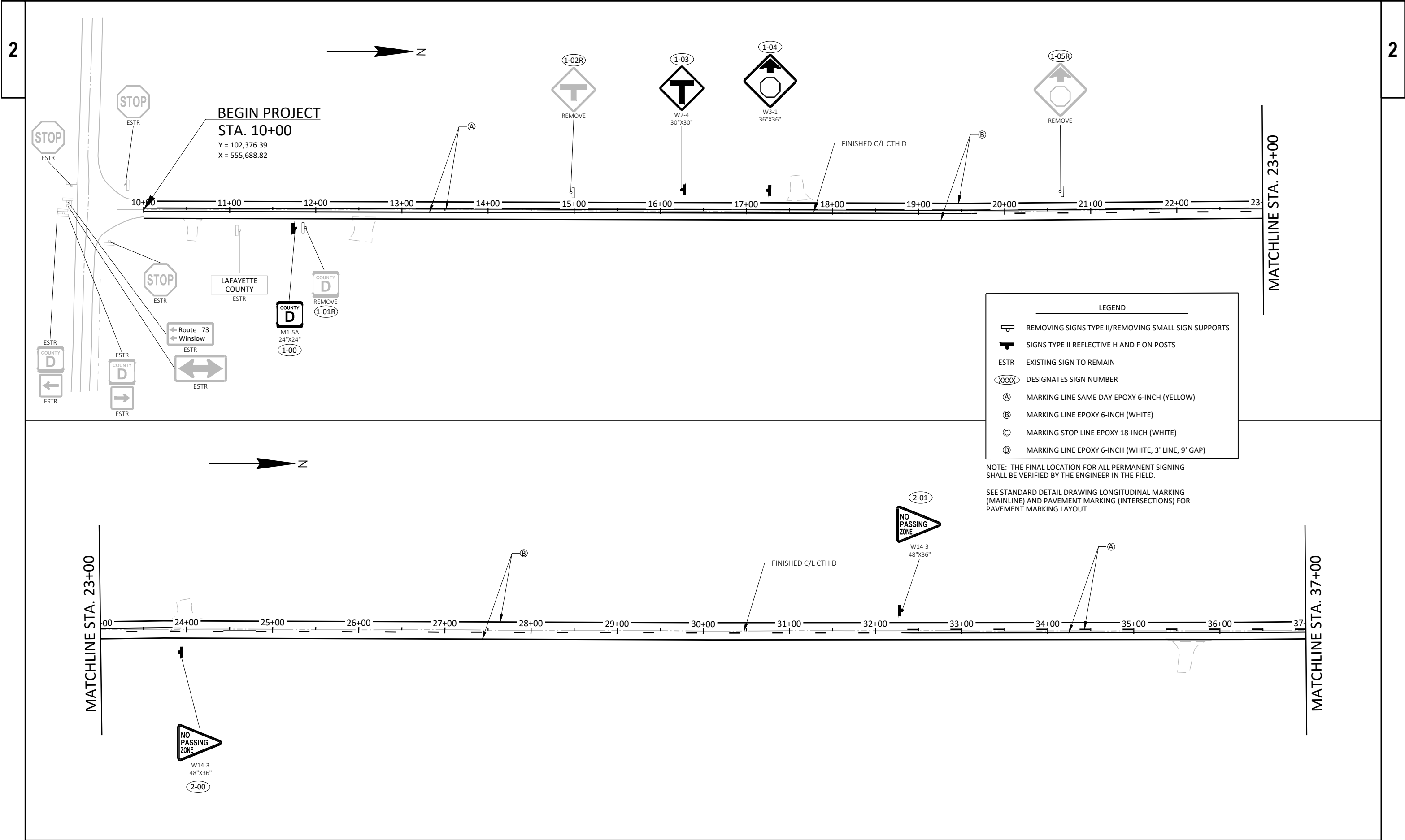
LARRY L
BURKHALTER

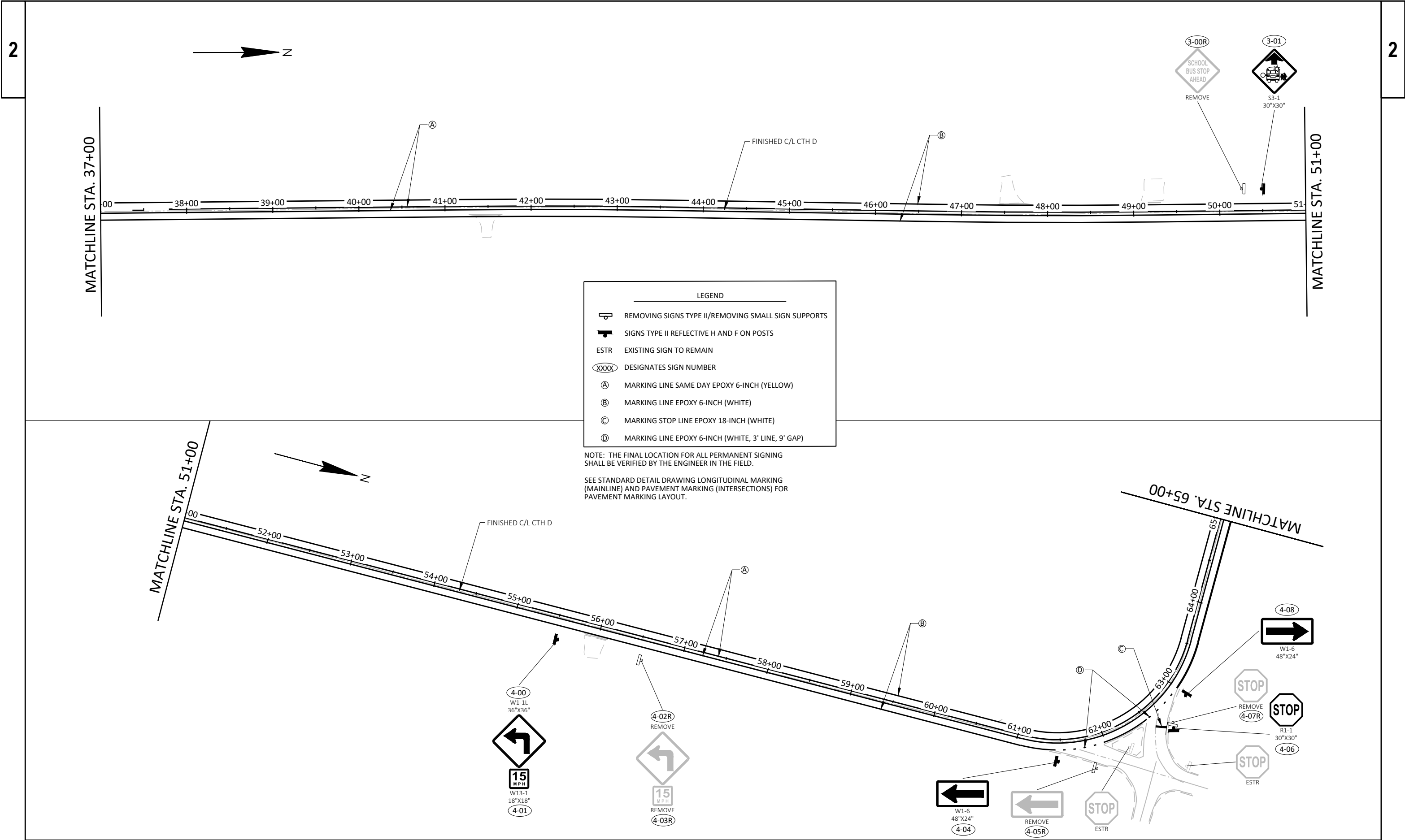
MCKNIGHT RD

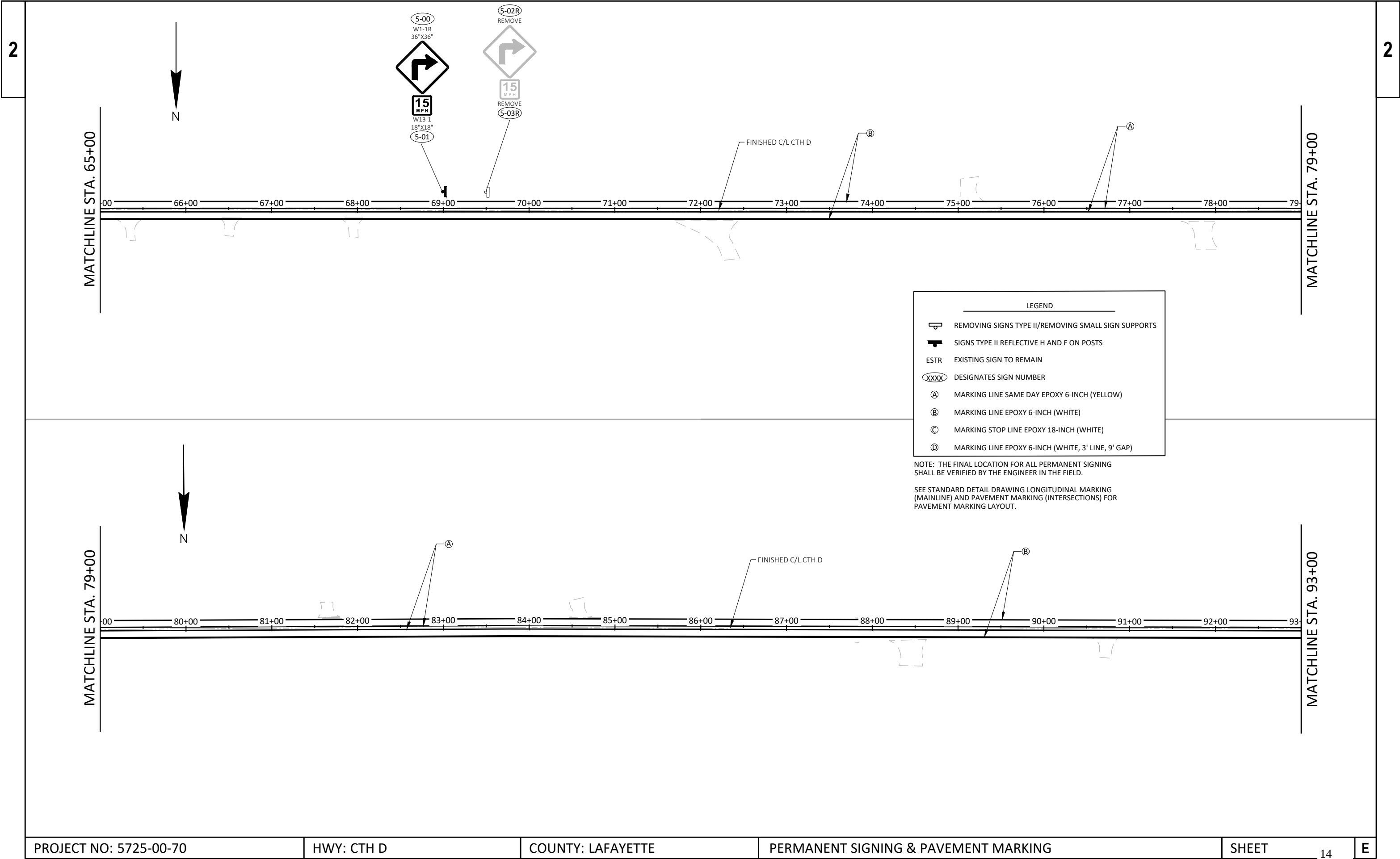
CTH B

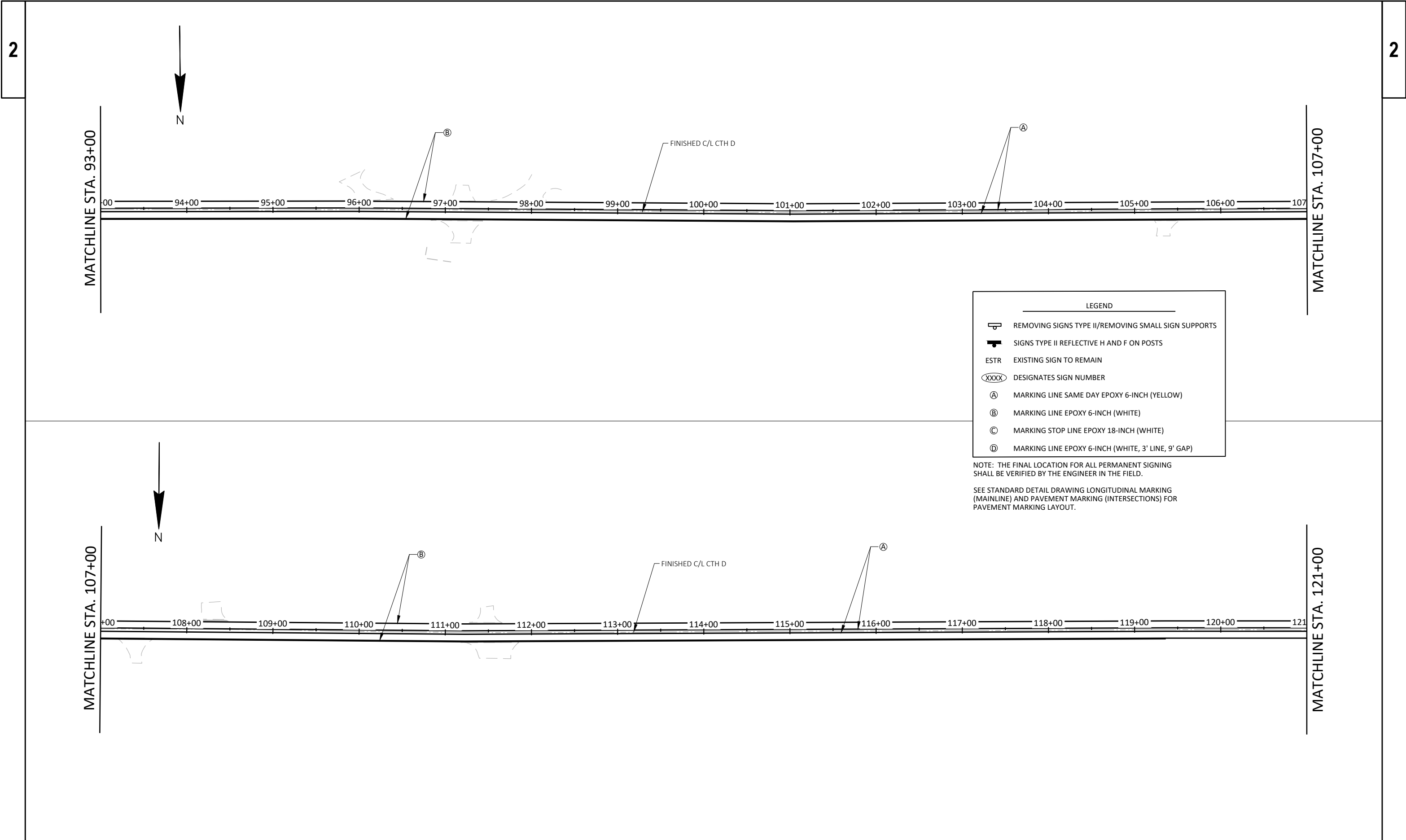
STEVE H MAU

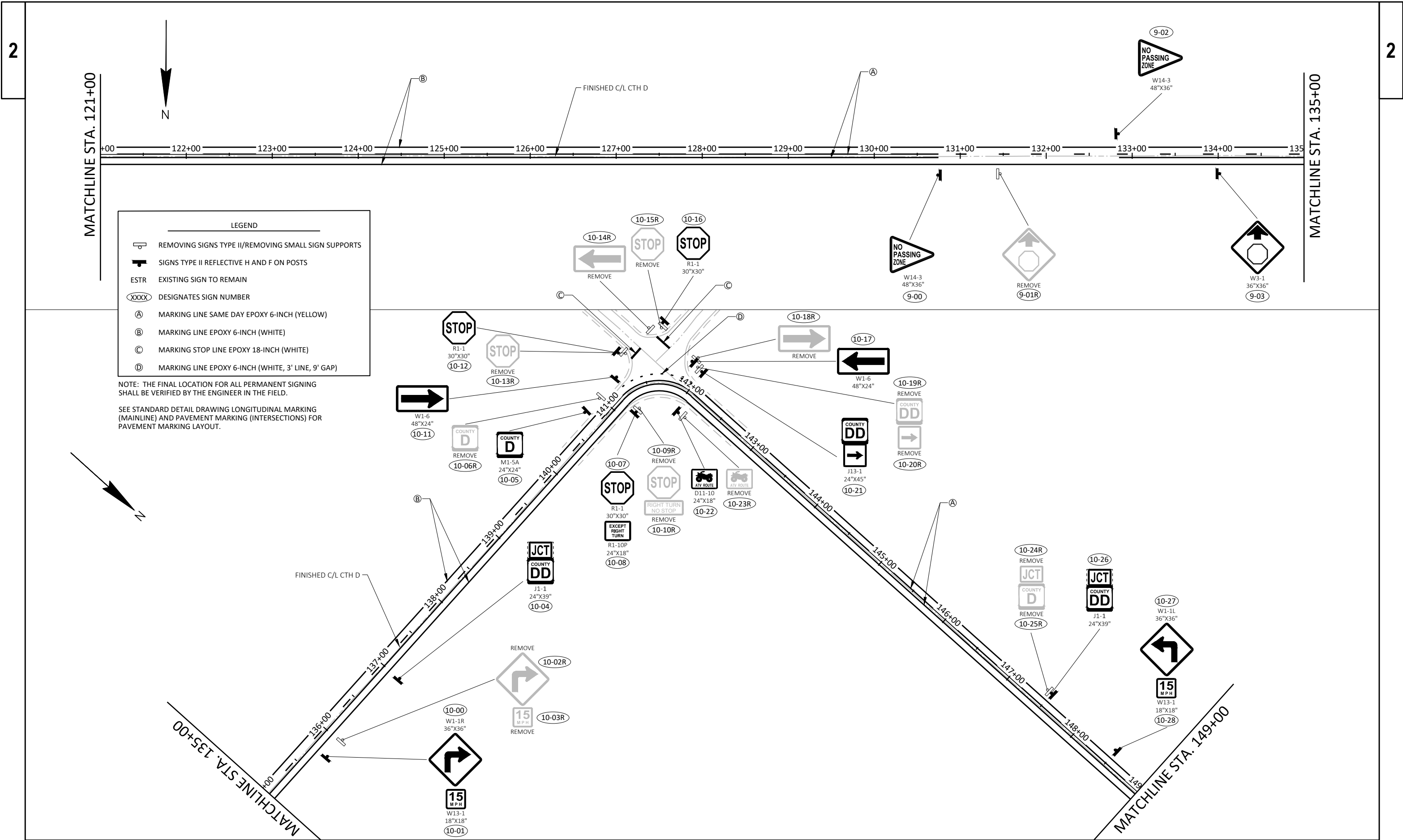
~ LIMITS OF
AGRICULTURAL
FIELD ~

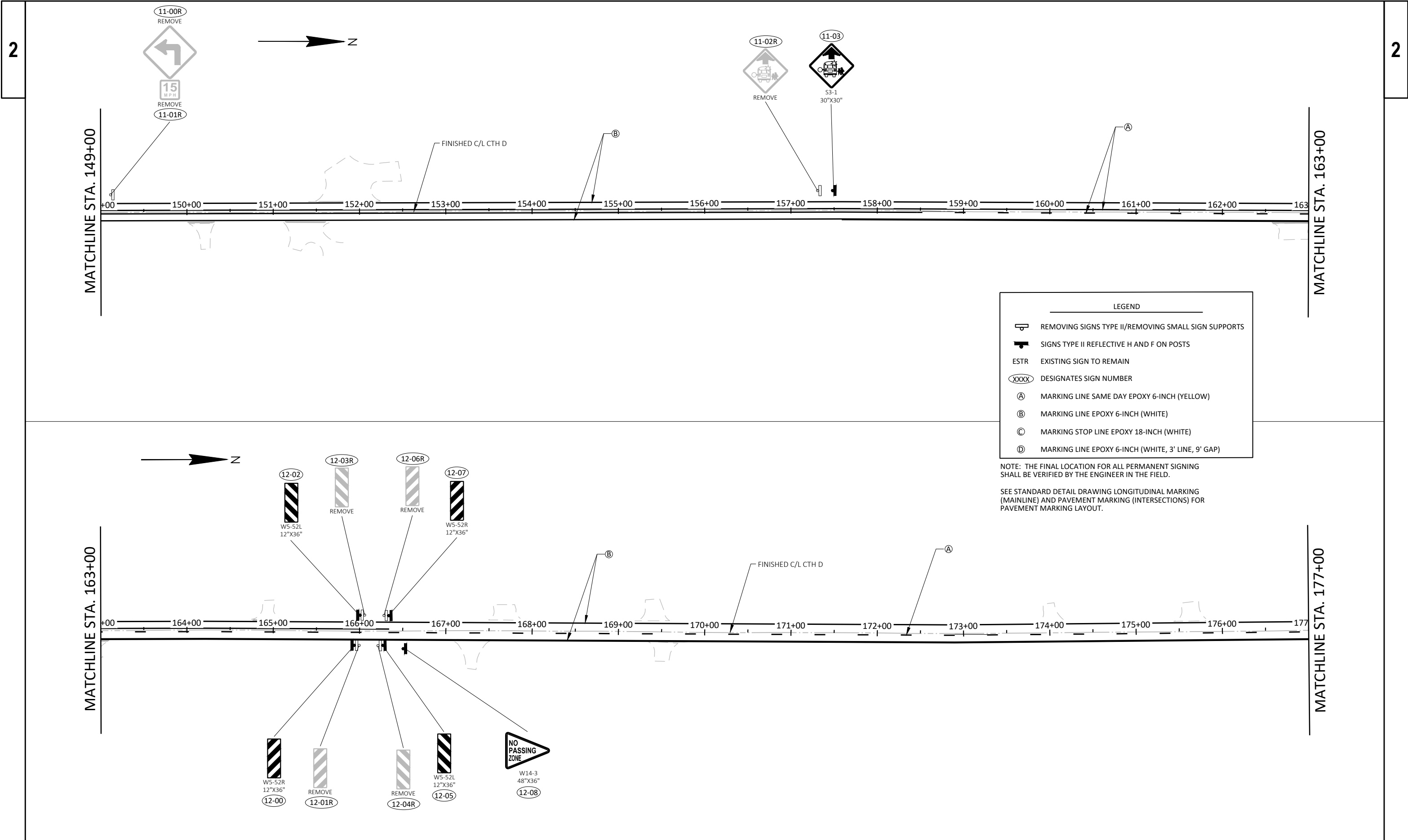












2

2

MATCHLINE STA. 149+00

MATCHLINE STA. 163+00

MATCHLINE STA. 163+00

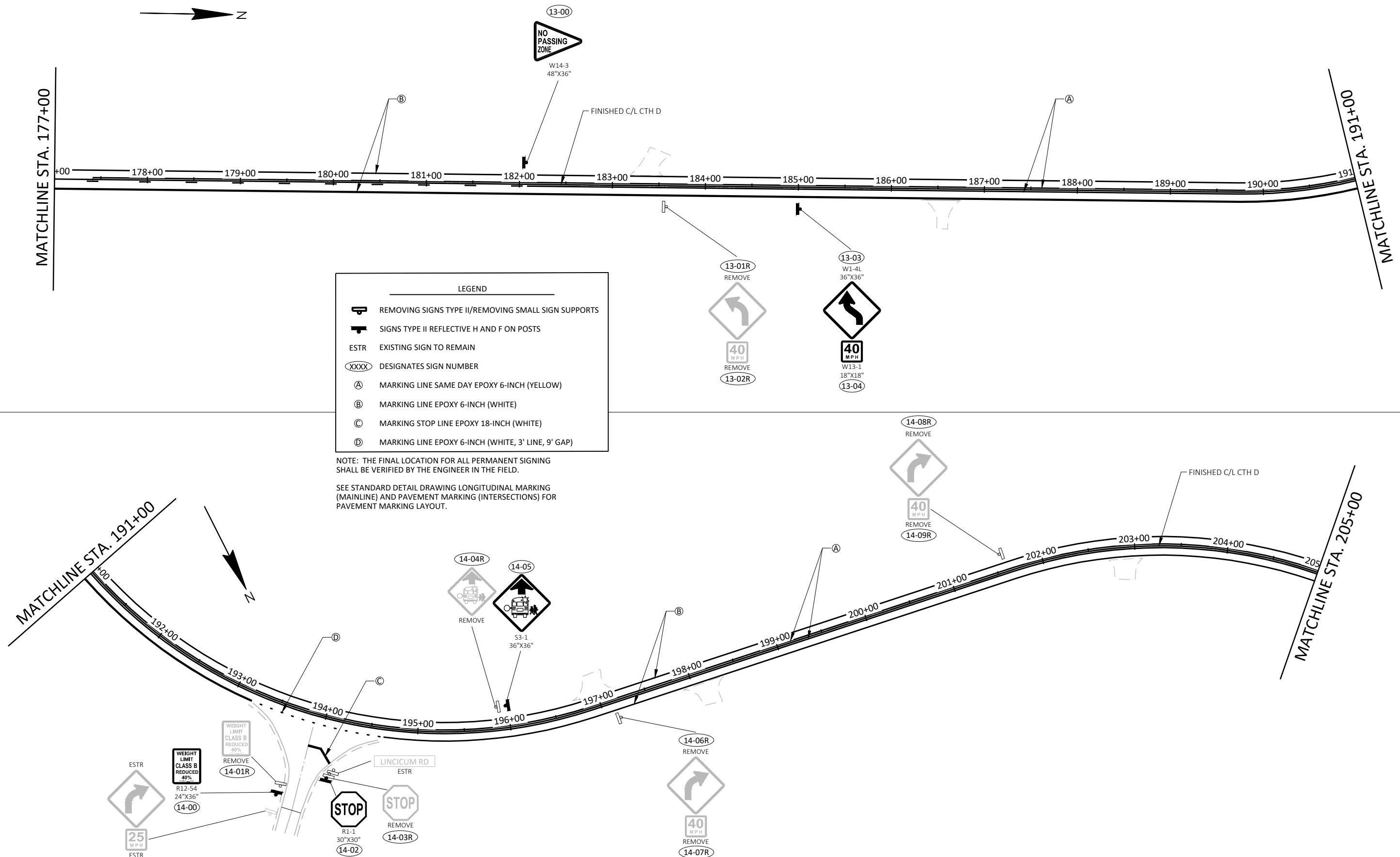
MATCHLINE STA. 177+00

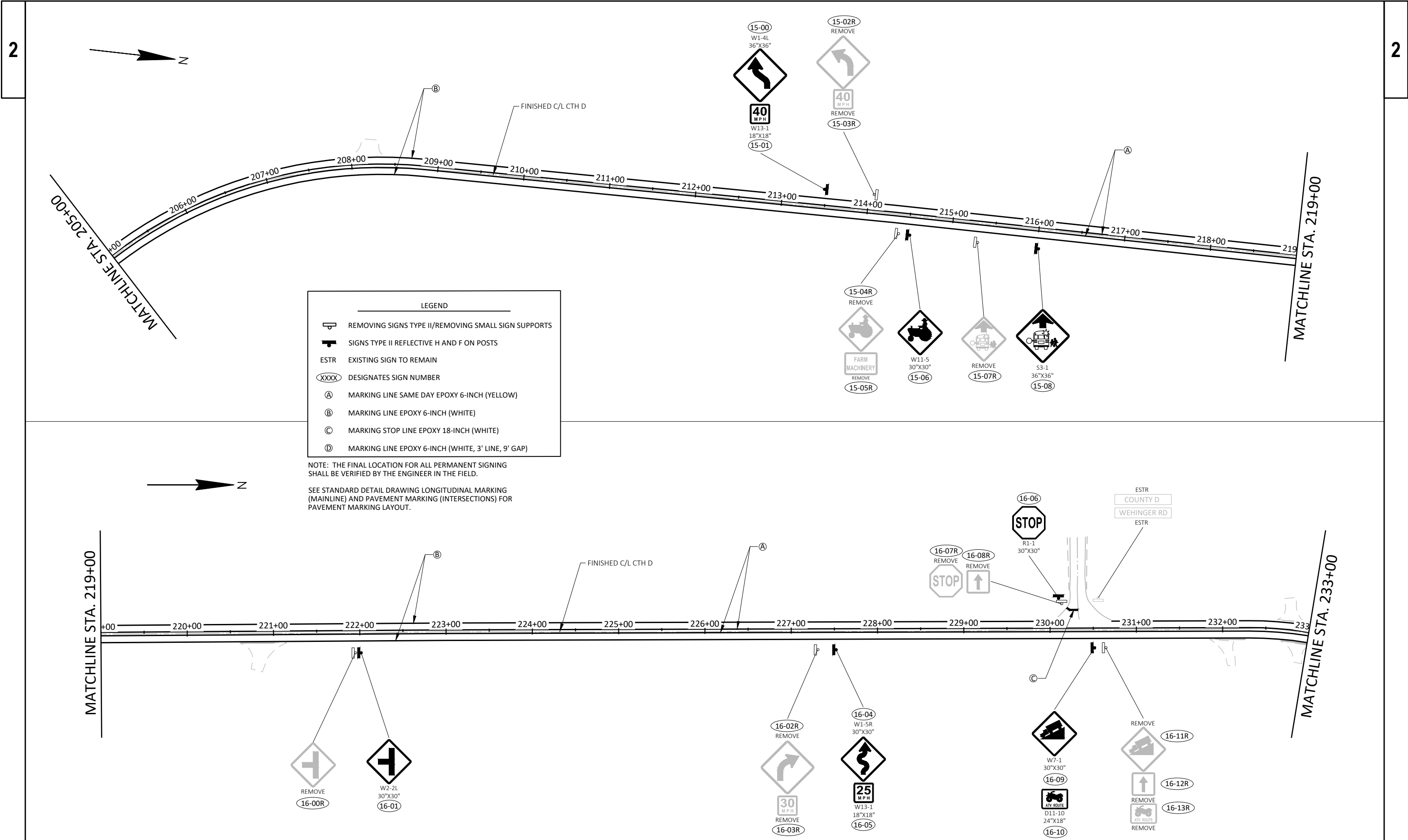
LEGEND

- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- ESTR EXISTING SIGN TO REMAIN
- XXXX DESIGNATES SIGN NUMBER
- A MARKING LINE SAME DAY EPOXY 6-INCH (YELLOW)
- B MARKING LINE EPOXY 6-INCH (WHITE)
- C MARKING STOP LINE EPOXY 18-INCH (WHITE)
- D MARKING LINE EPOXY 6-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING (MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR PAVEMENT MARKING LAYOUT.



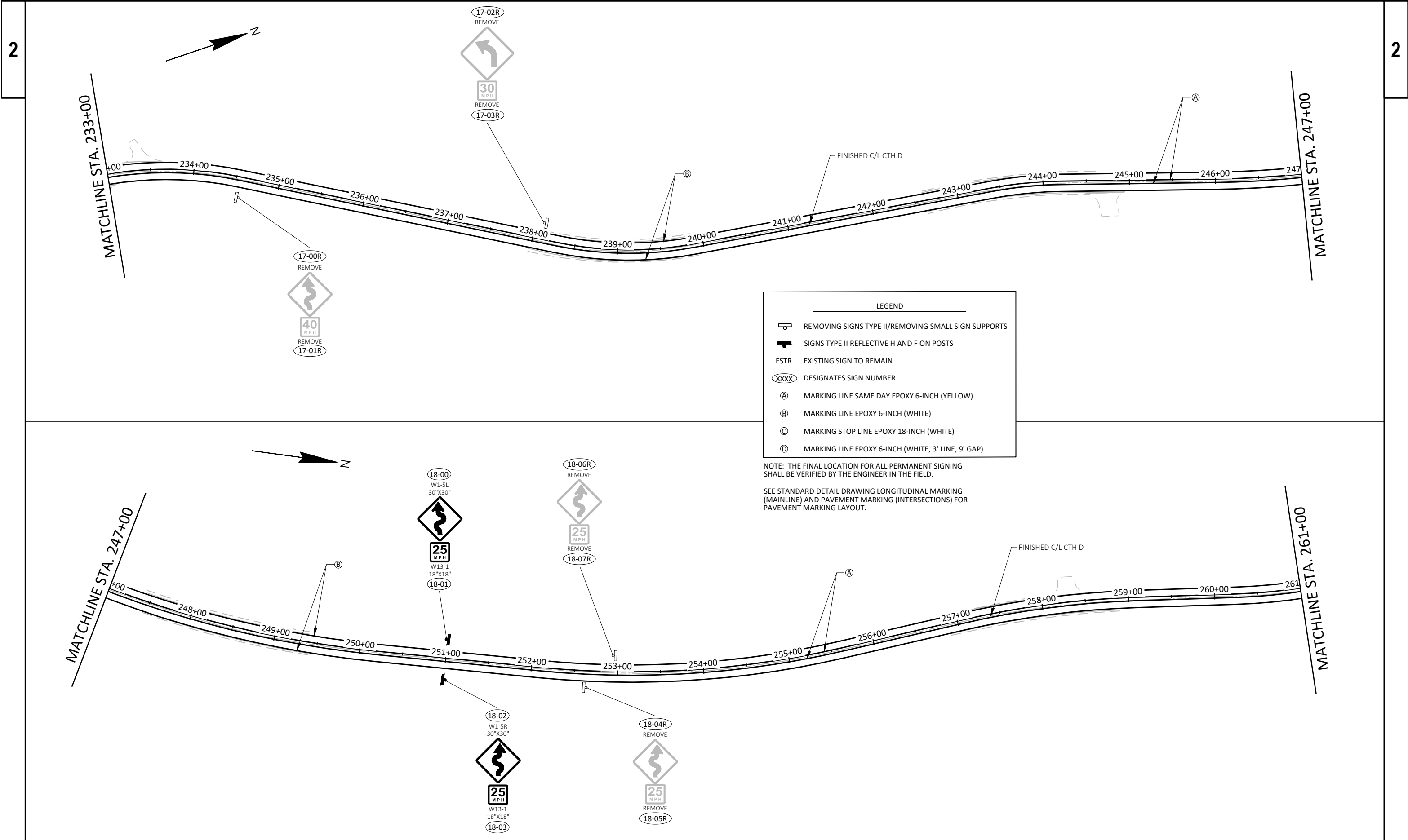


LEGEND

- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- ESTR EXISTING SIGN TO REMAIN
- XXXX DESIGNATES SIGN NUMBER
- A MARKING LINE SAME DAY EPOXY 6-INCH (YELLOW)
- B MARKING LINE EPOXY 6-INCH (WHITE)
- C MARKING STOP LINE EPOXY 18-INCH (WHITE)
- D MARKING LINE EPOXY 6-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING (MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR PAVEMENT MARKING LAYOUT.



17-02R
REMOVE
30
M P H
REMOVE
17-03R

17-00R
REMOVE
40
M P H
REMOVE
17-01R

LEGEND

- REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
- SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- ESTR EXISTING SIGN TO REMAIN
- XXXX DESIGNATES SIGN NUMBER
- A MARKING LINE SAME DAY EPOXY 6-INCH (YELLOW)
- B MARKING LINE EPOXY 6-INCH (WHITE)
- C MARKING STOP LINE EPOXY 18-INCH (WHITE)
- D MARKING LINE EPOXY 6-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

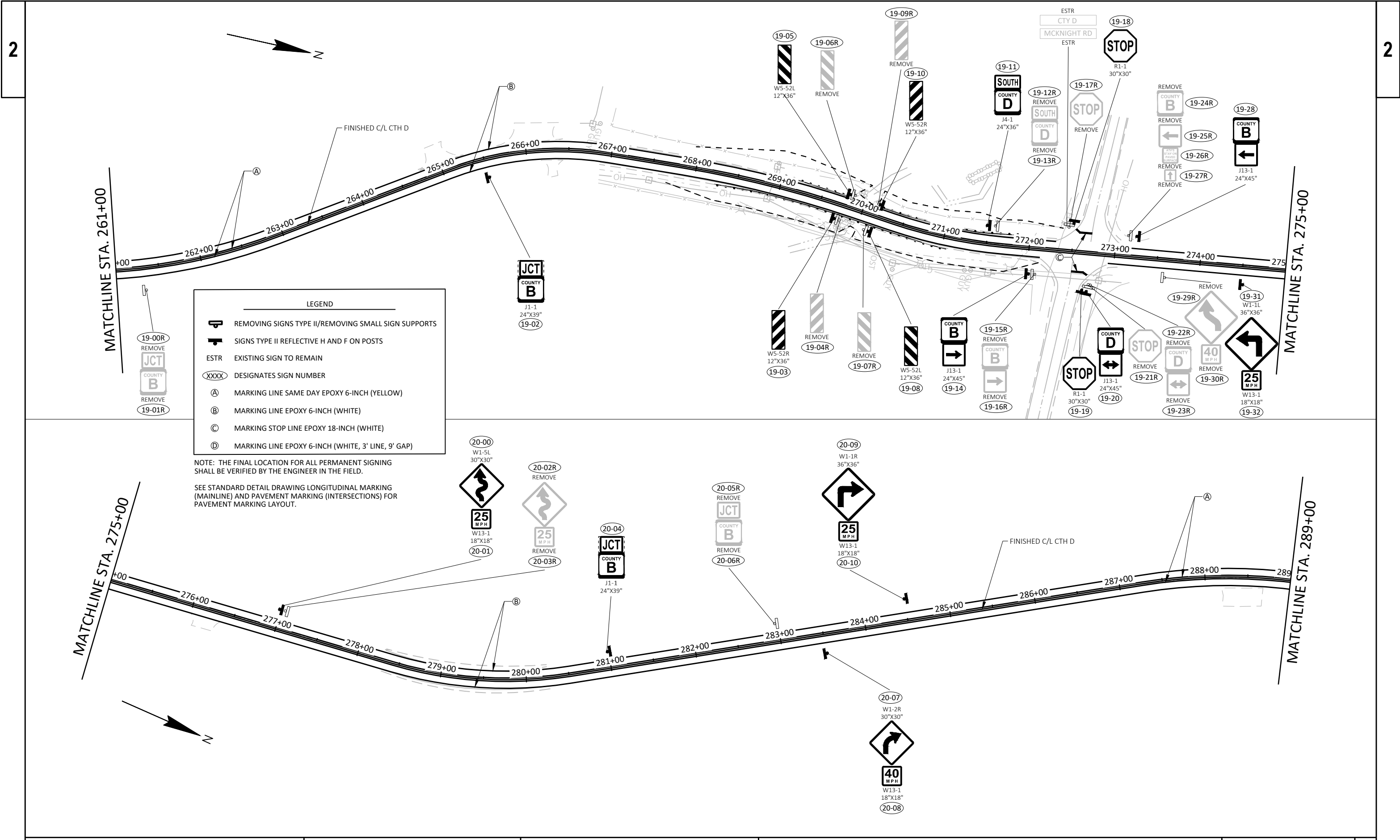
SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING (MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR PAVEMENT MARKING LAYOUT.

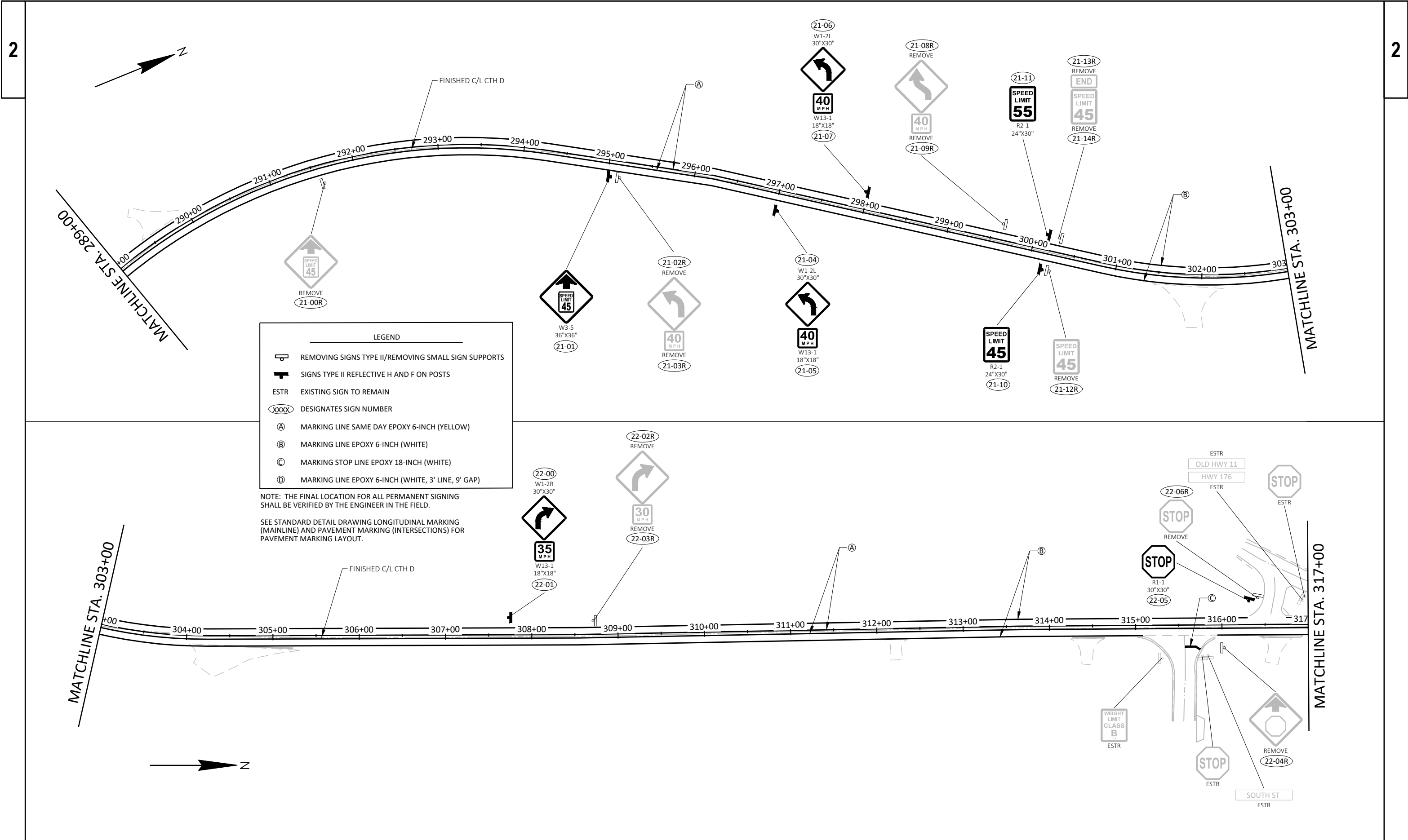
18-00
W1-5L
30"x30"
25
M P H
W13-1
18"x18"
18-01

18-06R
REMOVE
25
M P H
REMOVE
18-07R

18-02
W1-5R
30"x30"
25
M P H
W13-1
18"x18"
18-03

18-04R
REMOVE
25
M P H
REMOVE
18-05R





LEGEND

REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS

SIGNS TYPE II REFLECTIVE H AND F ON POSTS

EXISTING SIGN TO REMAIN

DESIGNATES SIGN NUMBER

MARKING LINE SAME DAY EPOXY 6-INCH (YELLOW)

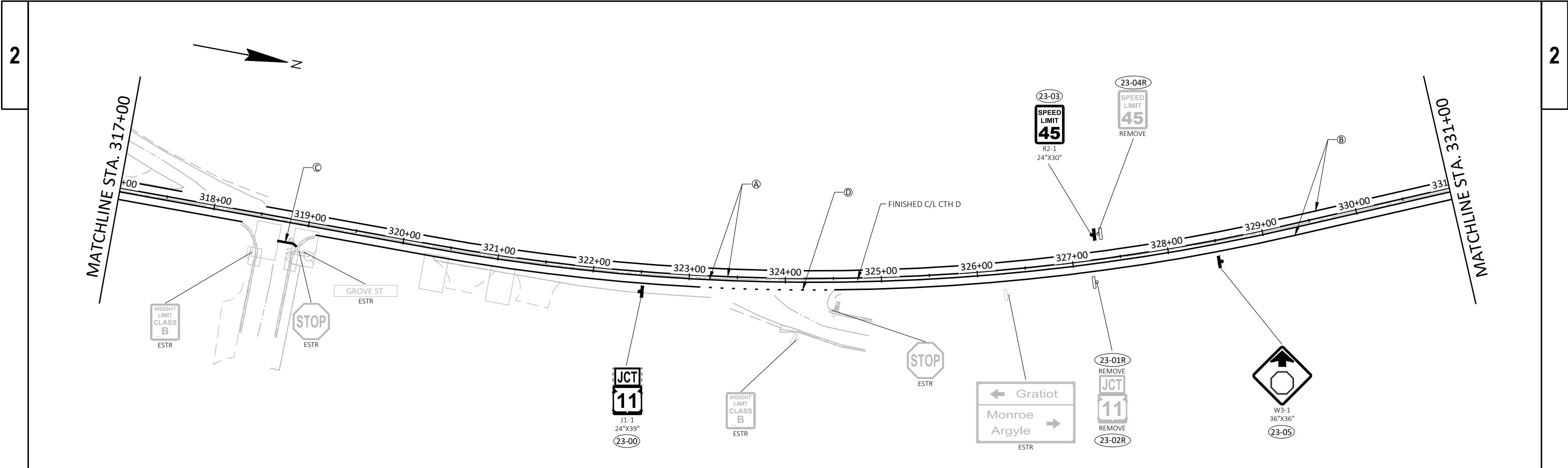
MARKING LINE EPOXY 6-INCH (WHITE)

MARKING STOP LINE EPOXY 18-INCH (WHITE)

MARKING LINE EPOXY 6-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING (MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR PAVEMENT MARKING LAYOUT.



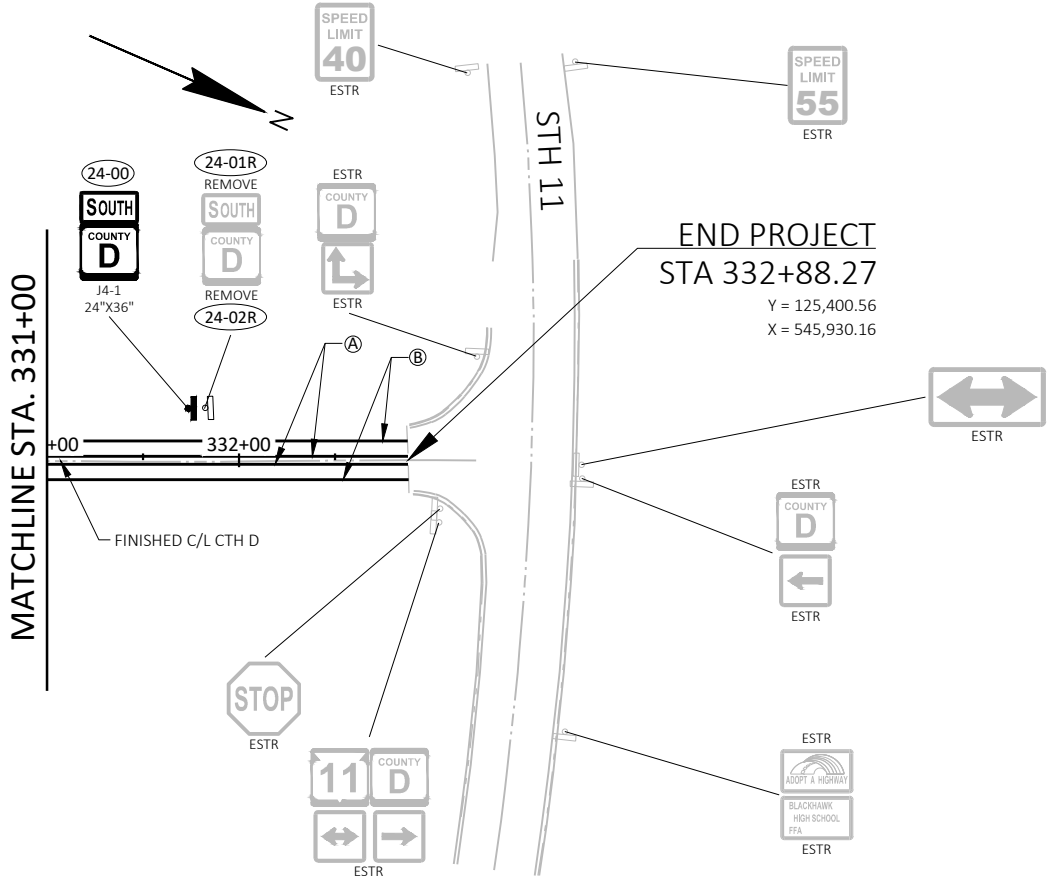
LEGEND

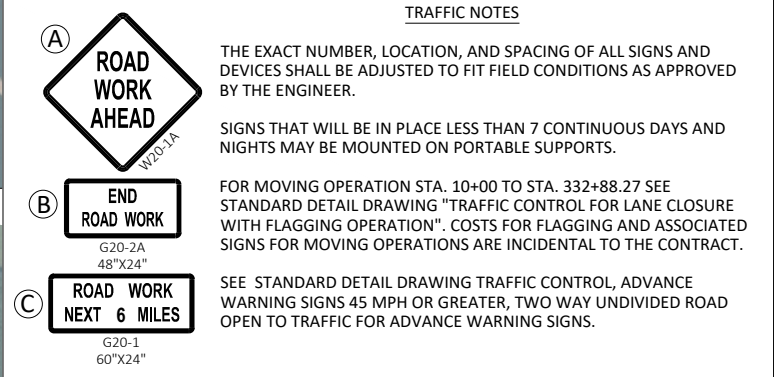
-  REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS
-  SIGNS TYPE II REFLECTIVE H AND F ON POSTS
- ESTR EXISTING SIGN TO REMAIN
- (XXXX) DESIGNATES SIGN NUMBER
- (A) MARKING LINE SAME DAY EPOXY 6-INCH (YELLOW)
- (B) MARKING LINE EPOXY 6-INCH (WHITE)
- (C) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (D) MARKING LINE EPOXY 6-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: THE FINAL LOCATION FOR ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.

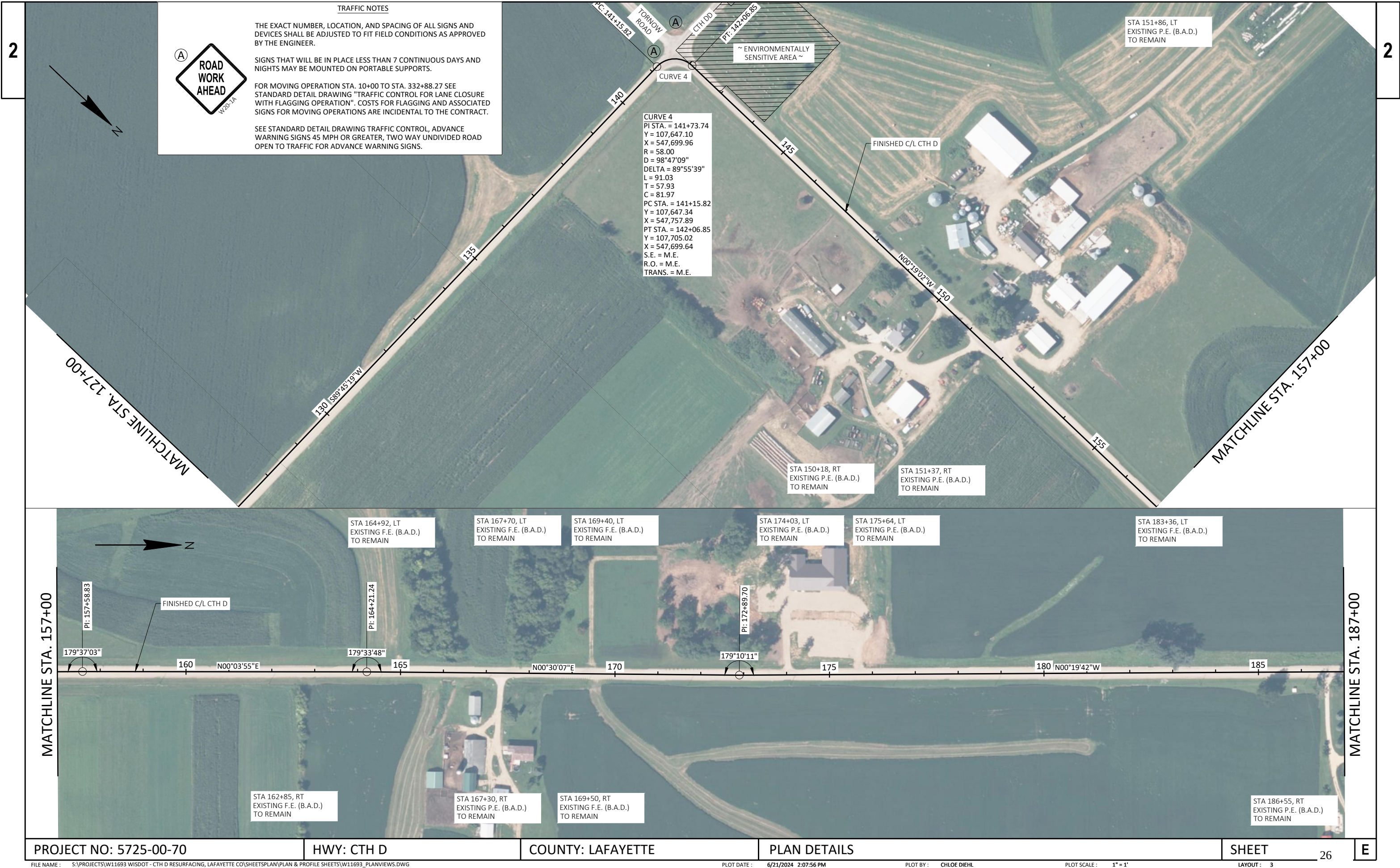
SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING (MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR PAVEMENT MARKING LAYOUT.

~VILLAGE OF SOUTH WAYNE~









2

2

MATCHLINE STA. 127+00

MATCHLINE STA. 187+00



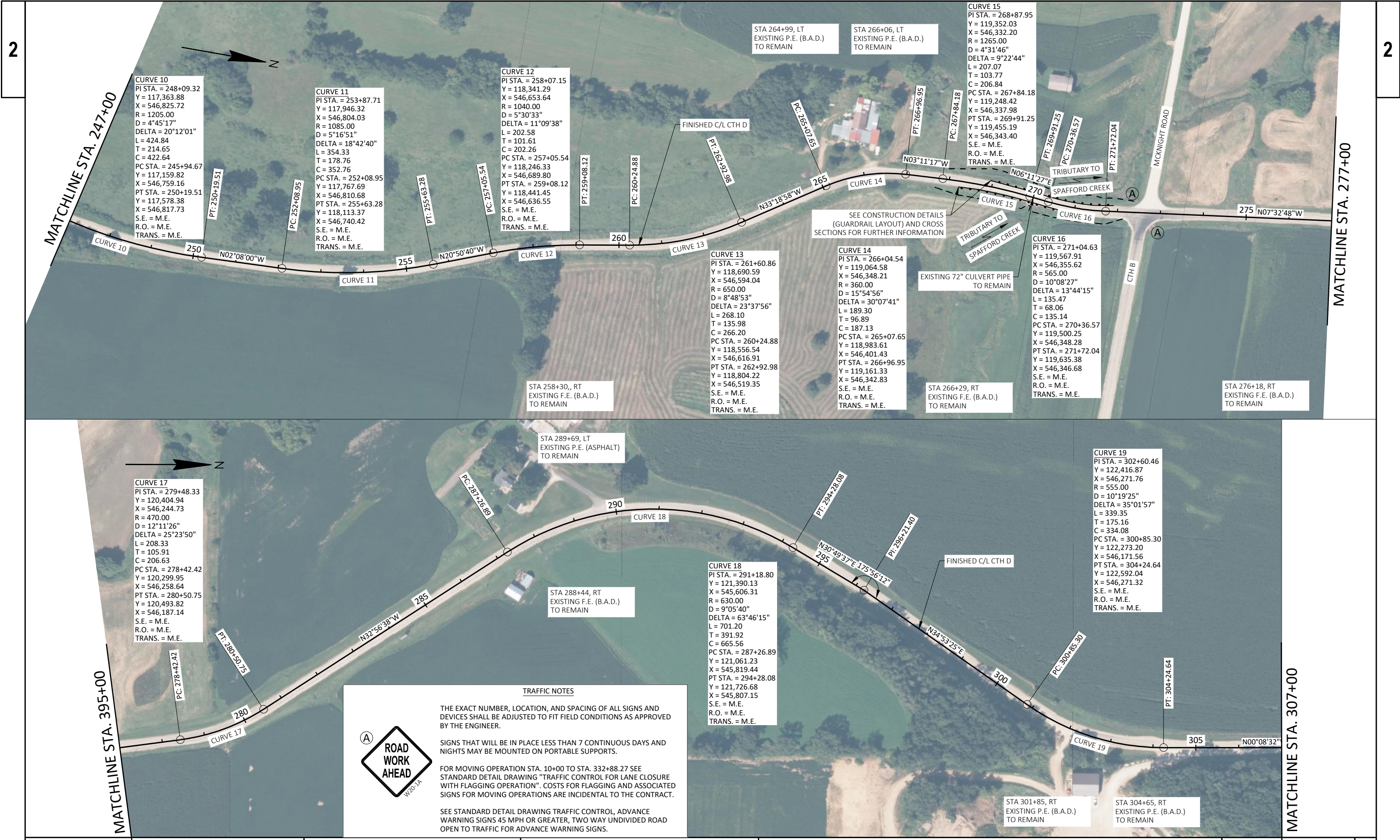
TRAFFIC NOTES

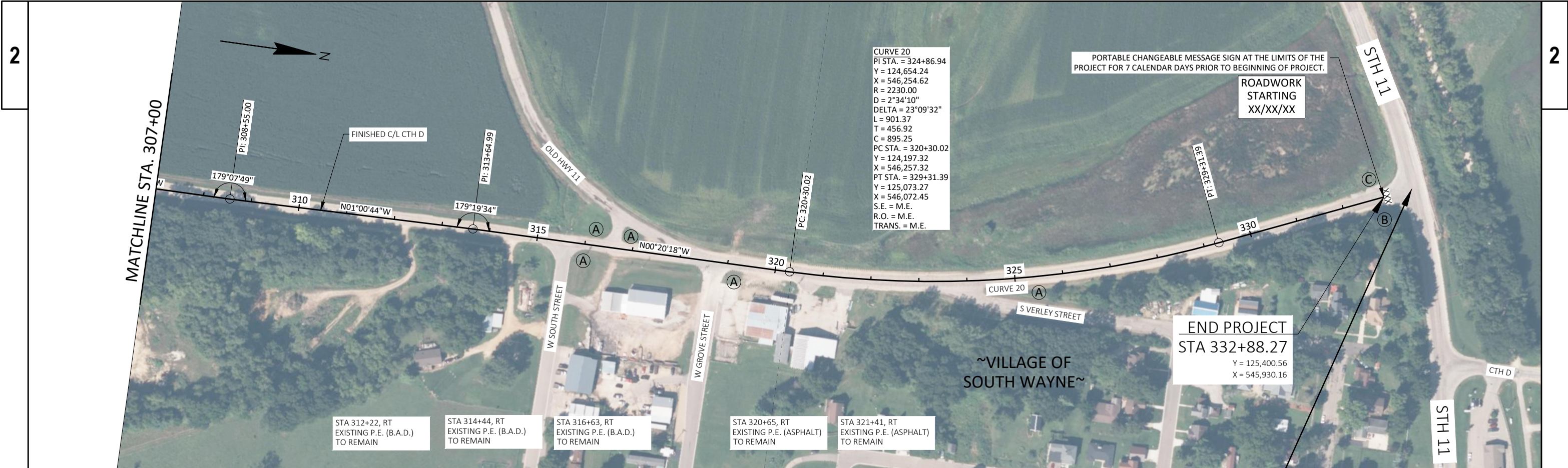
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

FOR MOVING OPERATION STA. 10+00 TO STA. 332+88.27 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION". COSTS FOR FLAGGING AND ASSOCIATED SIGNS FOR MOVING OPERATIONS ARE INCIDENTAL TO THE CONTRACT.

SEE STANDARD DETAIL DRAWING TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC FOR ADVANCE WARNING SIGNS.





TRAFFIC NOTES

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

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

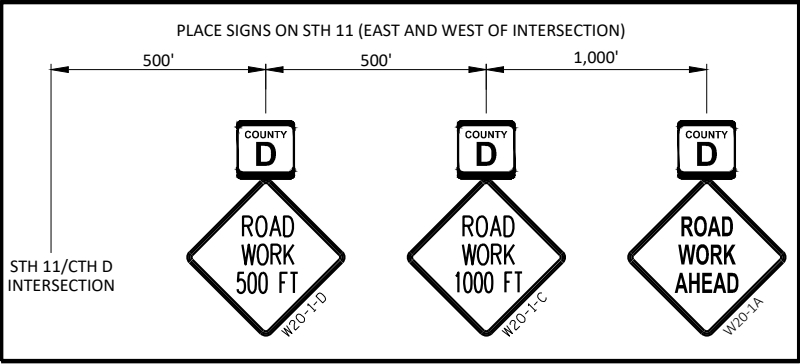
FOR MOVING OPERATION STA. 10+00 TO STA. 332+88.27 SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION". COSTS FOR FLAGGING AND ASSOCIATED SIGNS FOR MOVING OPERATIONS ARE INCIDENTAL TO THE CONTRACT.

SEE STANDARD DETAIL DRAWING TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC FOR ADVANCE WARNING SIGNS.

(A) ROAD WORK AHEAD
W20-1A

(B) END ROAD WORK
G20-2A
48"x24"

(C) ROAD WORK NEXT 6 MILES
G20-1
60"x24"



Estimate Of Quantities

5725-00-70

Line	Item	Item Description	Unit	Total	Qty
0002	204.0110	Removing Asphaltic Surface	SY	430.000	430.000
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	2,200.000	2,200.000
0006	204.0120	Removing Asphaltic Surface Milling	SY	79,000.000	79,000.000
0008	205.0400	Excavation Marsh	CY	85.000	85.000
0010	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 5725-00-70	EACH	1.000	1.000
0012	213.0100	Finishing Roadway (project) 01. 5725-00-70	EACH	1.000	1.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	4,590.000	4,590.000
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	470.000	470.000
0018	311.0110	Breaker Run	TON	830.000	830.000
0020	312.0115	Select Crushed Material	CY	130.000	130.000
0022	455.0605	Tack Coat	GAL	5,980.000	5,980.000
0024	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0026	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000
0028	460.2005	Incentive Density PWL HMA Pavement	DOL	11,605.000	11,605.000
0030	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	3,230.000	3,230.000
0032	460.2010	Incentive Air Voids HMA Pavement	DOL	11,970.000	11,970.000
0034	460.5224	HMA Pavement 4 LT 58-28 S	TON	11,970.000	11,970.000
0036	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	62.000	62.000
0038	606.0300	Riprap Heavy	CY	27.000	27.000
0040	614.0010	Barrier System Grading Shaping Finishing	EACH	2.000	2.000
0042	614.2300	MGS Guardrail 3	LF	138.000	138.000
0044	614.2340	MGS Guardrail 3 L	LF	225.000	225.000
0046	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0048	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5725-00-70	EACH	1.000	1.000
0050	619.1000	Mobilization	EACH	1.000	1.000
0052	624.0100	Water	MGAL	76.000	76.000
0054	628.1504	Silt Fence	LF	355.000	355.000
0056	628.1520	Silt Fence Maintenance	LF	710.000	710.000
0058	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0060	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0062	628.7504	Temporary Ditch Checks	LF	70.000	70.000
0064	633.5100	Markers ROW	EACH	12.000	12.000
0066	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	26.000	26.000
0068	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	24.000	24.000
0070	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	21.000	21.000
0072	637.2210	Signs Type II Reflective H	SF	164.300	164.300
0074	637.2230	Signs Type II Reflective F	SF	338.860	338.860
0076	638.2602	Removing Signs Type II	EACH	103.000	103.000
0078	638.3000	Removing Small Sign Supports	EACH	67.000	67.000
0080	642.5001	Field Office Type B	EACH	1.000	1.000
0082	643.0300	Traffic Control Drums	DAY	224.000	224.000
0084	643.0900	Traffic Control Signs	DAY	2,950.000	2,950.000
0086	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0088	643.3165	Temporary Marking Line Paint 6-Inch	LF	57,650.000	57,650.000
0090	643.5000	Traffic Control	EACH	1.000	1.000
0092	645.0120	Geotextile Type HR	SY	73.000	73.000
0094	645.0135	Geotextile Type SR	SY	230.000	230.000
0096	646.2020	Marking Line Epoxy 6-Inch	LF	63,700.000	63,700.000
0098	646.4720	Marking Line Same Day Epoxy 6-Inch	LF	58,540.000	58,540.000

Estimate Of Quantities

5725-00-70					
Line	Item	Item Description	Unit	Total	Qty
0100	646.6120	Marking Stop Line Epoxy 18-Inch	LF	175.000	175.000
0102	648.0100	Locating No-Passing Zones	MI	6.120	6.120
0104	650.8000	Construction Staking Resurfacing Reference	LF	32,290.000	32,290.000
0106	650.9911	Construction Staking Supplemental Control (project) 01. 5725-00-70	EACH	1.000	1.000
0108	690.0150	Sawing Asphalt	LF	1,310.000	1,310.000
0110	740.0440	Incentive IRI Ride	DOL	24,460.000	24,460.000
0112	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000
0114	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,320.000	1,320.000

3

REMOVING ASPHALTIC SURFACE

STATION - STATION	LOCATION	204.0110 (SY)
10+57	MAINLINE, RT.	18
17+62	MAINLINE, LT.	35
41+48	MAINLINE, RT.	16
47+59	MAINLINE, LT.	32
88+42	MAINLINE, RT.	63
289+69	MAINLINE, LT.	70
320+65	MAINLINE, RT.	100
321+41	MAINLINE, RT.	96
TOTAL =		430

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION - STATION	LOCATION	204.0115 (SY)
10+00 - 10+20	MAINLINE	49
61+45 - 63+01	FOX VALLEY/MAYER RD	194
141+35 - 142+04	CTH DD/TORNOW RD	378
193+20 - 194+64	LINCICUM RD	548
230+04 - 230+71	WEHINGER RD	127
272+13 - 272+93	CTH B	177
272+31 - 273+11	MCKNIGHT RD	165
315+09 - 315+95	W SOUTH ST	36
318+32 - 319+09	W GROVE ST	31
323+12 - 324+51	S VERLEY ST	315
316+30 - 316+74	OLD HWY 11 SOUTH	58
317+55 - 318+53	OLD HWY 11 NORTH	93
332+68.27 - 332+88.27	MAINLINE	49
TOTAL =		2,220

REMOVING ASPHALTIC SURFACE MILLING

STATION - STATION	LOCATION	204.0120 (SY)
10+20 - 332+68.27	MAINLINE	79,000
TOTAL =		79,000

EXCAVATION MARSH

STATION - STATION	LOCATION	205.0400 (CY)
269+45 - 270+02	MAINLINE, LT.	41
270+00 - 270+13	MAINLINE, RT.	44
TOTAL =		85

ALL ITEMS ARE CATEGORY 010 UNLESS NOTED OTHERWISE

SELECT CRUSHED MATERIAL

STATION - STATION	LOCATION	312.0115 (CY)
269+45 - 270+02	MAINLINE, LT.	63
270+00 - 270+13	MAINLINE, RT.	67
TOTAL =		130

BASE AGGREGATE DENSE / BREAKER RUN

STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	311.0110 BREAKER RUN (TON)
266+96 - 272+63	MAINLINE, LT. (GUARDRAIL)	84	225	398
267+22 - 272+37	MAINLINE, RT. (GUARDRAIL)	82	245	432
10+00 - 61+45	MAINLINE, RT.	285	-	-
10+00 - 141+16	MAINLINE, LT.	770	-	-
63+01 - 193+19	MAINLINE, RT.	765	-	-
142+07 - 230+04	MAINLINE, LT.	532	-	-
194+64 - 267+22	MAINLINE, RT.	445	-	-
230+71 - 266+96	MAINLINE, LT.	201	-	-
272+93 - 315+09	MAINLINE, RT.	234	-	-
273+11 - 316+30	MAINLINE, LT.	239	-	-
315+95 - 318+32	MAINLINE, RT.	13	-	-
319+09 - 323+12	MAINLINE, RT.	23	-	-
324+51 - 332+88	MAINLINE, RT.	47	-	-
318+53 - 332+88	MAINLINE, LT.	79	-	-
61+45 - 63+01	FOX VALLEY/MAYER RD	9	-	-
141+16 - 142+07	CTH DD/TORNOW RD	9	-	-
193+19 - 194+64	LINCICUM RD	12	-	-
230+04 - 230+71	WEHINGER RD	4	-	-
272+31 - 273+11	MCKNIGHT RD	5	-	-
272+13 - 272+93	CTH B	5	-	-
323+12 - 324+51	S VERLEY ST	5	-	-
316+30 - 316+74	OLD HWY 11 SOUTH	2	-	-
317+55 - 318+53	OLD HWY 11 NORTH	3	-	-
PROJECT	DRIVEWAYS (P.E./F.E./C.E.)	738	-	-
TOTALS =		4,590	470	830

HMA PAVEMENT

STATION - STATION	LOCATION	455.0605 TACK COAT (GAL)	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS (EACH)	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY (EACH)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)
10+00 - 332+88.27	MAINLINE	5805	1	1	11605	-
267+79 - 271+49	MAINLINE, RT. (4.5" HMA AT GUARDRAIL)	4	-	-	14	-
268+51 - 272+31	MAINLINE, LT. (4.5" HMA AT GUARDRAIL)	6	-	-	21	-
10+57	MAINLINE, RT.	1	-	-	1	3
17+62	MAINLINE, LT.	1	-	-	2	5
41+48	MAINLINE, RT.	1	-	-	1	2
47+59	MAINLINE, LT.	1	-	-	2	4
88+42	MAINLINE, RT.	1	-	-	2	9
289+69	MAINLINE, LT.	2	-	-	3	10
320+65	MAINLINE, RT.	2	-	-	3	15
321+41	MAINLINE, RT.	1	-	-	3	14
61+45 - 63+01	FOX VALLEY/MAYER RD	14	-	-	28	-
141+35 - 142+04	CTH DD/TORNOW RD	28	-	-	56	-
193+20 - 194+64	LINCICUM RD	40	-	-	81	-
230+04 - 230+71	WEHINGER RD	9	-	-	19	-
272+31 - 273+11	MCKNIGHT RD	12	-	-	24	-
272+13 - 272+93	CTH B	13	-	-	26	-
318+32 - 319+09	W GROVE ST	2	-	-	5	-
315+09 - 315+95	W SOUTH ST	3	-	-	5	-
316+30 - 316+74	OLD HWY 11 SOUTH	4	-	-	9	-
323+12 - 324+51	S VERLEY ST	23	-	-	46	-
317+55 - 318+53	OLD HWY 11 NORTH	7	-	-	14	-
TOTALS =		5,980	1	1	11,970	62

3

3

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT.

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
11-FOOT DRIVING LANES	10+00 - 332+88.27	UPPER LAYER	MILLED ASPHALTIC SURFACE	4 LT 58-28 S	11605	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
DRIVEWAY SHOULDER APRON	10+00 - 332+88.27	UPPER LAYER	MILLED ASPHALTIC SURFACE	4 LT 58-28 S	17	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.
SHOULDER AT GUARDRAIL	267+79 - 271+49, RT	UPPER LAYER	HMA 4 LT 58-28 S	4 LT 58-28 S	8	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.
SHOULDER AT GUARDRAIL	267+79 - 271+49, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4"	4 LT 58-28 S	6	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.
SHOULDER AT GUARDRAIL	268+51 - 272+31, LT	UPPER LAYER	HMA 4 LT 58-28 S	4 LT 58-28 S	12	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.
SHOULDER AT GUARDRAIL	268+51 - 272+31, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4"	4 LT 58-28 S	9	2"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.
SIDEROADS	VARIES	UPPER LAYER	MILLED ASPHALTIC SURFACE	4 LT 58-28 S	313	2.5"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT. NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE.

ALL ITEMS ARE CATEGORY 010 UNLESS NOTED OTHERWISE

SILT FENCE

STATION - STATION	LOCATION	628.1504	628.1520
		(LF)	MAINTENANCE (LF)
269+25 - 269+92	MAINLINE, RT.	75	150
269+98 - 270+25	MAINLINE, RT.	50	100
270+05 - 272+32	MAINLINE, LT.	230	460
TOTALS =		355	710

MOBILIZATIONS EROSION CONTROL

PROJECT	628.1905	628.1910
	MOBILIZATIONS EROSION CONTROL (EACH)	MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
5725-00-70	3	2
TOTALS =	3	2

MGS GUARDRAIL

STATION - STATION	LOCATION	614.2300 3 (LF)	614.2340 3 L (LF)	614.2610 TERMINAL EAT (EACH)
268+24 - 268+78	MAINLINE, RT.	-	-	1
268+78 - 269+41	MAINLINE, RT.	63	-	-
268+95 - 269+48	MAINLINE, LT.	-	-	1
269+41 - 270+53	MAINLINE, RT.	-	112.5	-
269+48 - 270+60	MAINLINE, LT.	-	112.5	-
270+53 - 271+06	MAINLINE, RT.	-	-	1
270+60 - 271+37	MAINLINE, LT.	75	-	-
271+37 - 271+91	MAINLINE, LT.	-	-	1
TOTALS=		138	225	4

WATER

LOCATION	624.0100
	(MGAL)
PROJECT	76
TOTAL =	76

TEMPORARY DITCH CHECKS

STATION	LOCATION	628.7504 (LF)
268+00	MAINLINE, LT.	10
268+00	MAINLINE, RT.	10
269+00	MAINLINE, LT.	10
269+00	MAINLINE, RT.	10
269+75	MAINLINE, LT.	10
270+25	MAINLINE, RT.	10
271+00	MAINLINE, RT.	10
TOTAL =		70

MARKERS ROW

STATION	LOCATION	633.5100 (EACH)
267+84.18	33.00'LT	1
268+25.00	33.00'LT	1
268+75.00	42.00'LT	1
269+50.00	46.00'LT	1
270+24.92	33.00'LT	1
270+36.57	33.00'LT	1
271+72.04	33.00'LT	1
271+75.00	33.00' RT	1
271+00.00	33.00' RT	1
270+50.00	33.00'RT	1
270+25.00	33.00'RT	1
269+00.00	33.00'RT	1
TOTAL =		12

BARRIER SYSTEM GRADING SHAPING FINISHING

FOR INFORMATIONAL PURPOSES ONLY

		614.0010												
		BARRIER SYSTEM GRADING SHAPING FINISHING	EXCAVATION COMMON	EXPANDED FILL (FACTOR 1.25)	WASTE	BORROW	SALVAGED TOPSOIL	EROSION MAT CLASS II TYPE C	FERTILIZER TYPE B	SEEDING MIXTURE NO. 20	SEED WATER	CONSTRUCTION STAKING SUBGRADE	CONSTRUCTION STAKING BASE	CONSTRUCTION STAKING SLOPE STAKES
STA. - STA.	LOCATION	(EACH)	(CY)	(CY)	(CY)	(CY)	(SY)	(SY)	(CWT)	(LB)	(MGAL)	(LF)	(LF)	(LF)
267+22 - 272+04	MAINLINE, RT.	1	337	160	177	0	848	848	0.8	35	19	482	482	482
267+95 - 272+31	MAINLINE, LT.	1	251	77	174	0	558	558	0.6	25	13	436	436	436
TOTALS =		2	588	237	351	0	1406	1406	1.4	60	32	918	918	918

PROJECT NO: 5725-00-70

HWY: CTH D

COUNTY: LAFAYETTE

MISCELLANEOUS QUANTITIES

SHEET

E

ALL ITEMS ARE CATEGORY 010 UNLESS NOTED OTHERWISE

PERMANENT SIGNING

APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (INCH X INCH)	634.0614	634.0616	634.0618	637.2210	637.2230	638.2602	638.3000	SIGN MOUNTED ON SAME POST AS
							POSTS WOOD 4X6 INCH 14 FT (EACH)	POSTS WOOD 4X6 INCH 16 FT (EACH)	POSTS WOOD 4X6 INCH 18 FT (EACH)	SIGNS TYPE II REFLECTIVE H (S.F.)	SIGNS TYPE II REFLECTIVE F (S.F.)	REMOVING SIGNS TYPE II (EACH)	REMOVING SMALL SIGN SUPPORTS (EACH)	
11+75	MAINLINE, RT.	1-00	M1-5A	COUNTY ROUTE MARKER	-	24X24	1	-	-	4.00	-	-	-	-
11+85	MAINLINE, RT.	1-01R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
14+95	MAINLINE, LT.	1-02R	W2-4	T INTERSECTION	-	-	-	-	-	-	-	1	1	-
16+25	MAINLINE, LT.	1-03	W2-4	T INTERSECTION	-	30X30	1	-	-	-	6.25	-	-	-
17+25	MAINLINE, LT.	1-04	W3-1	STOP AHEAD	-	36X36	1	-	-	-	9.00	-	-	-
20+65	MAINLINE, LT.	1-05R	W3-1	STOP AHEAD	-	-	-	-	-	-	-	1	1	-
24+00	MAINLINE, RT.	2-00	W14-3	NO PASSING ZONE	-	48X36	-	1	-	-	5.56	-	-	-
32+25	MAINLINE, LT.	2-01	W14-3	NO PASSING ZONE	-	48X36	-	1	-	-	5.56	-	-	-
50+25	MAINLINE, LT.	3-00R	S3-1	SCHOOL BUS STOP AHEAD	-	-	-	-	-	-	-	1	1	-
50+50	MAINLINE, LT.	3-01	S3-1	SCHOOL BUS STOP AHEAD (SYMBOL)	-	30X30	1	-	-	-	6.25	-	-	-
55+50	MAINLINE, RT.	4-00	W1-1L	RIGHT CURVE	-	36X36	-	-	1	-	9.00	-	-	-
55+50	MAINLINE, RT.	4-01	W13-1	ADVISORY SPEED PLAQUE	15	18X18	-	-	-	-	2.25	-	-	4-00
56+50	MAINLINE, RT.	4-02R	W1-1L	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
56+50	MAINLINE, RT.	4-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	4-02R
61+50	MAINLINE, RT.	4-04	W1-6	LEFT ARROW	-	48X24	1	-	-	-	8.00	-	-	-
61+85	MAINLINE, RT.	4-05R	W1-6	LEFT ARROW	-	-	-	-	-	-	-	1	1	-
62+65	MAINLINE, RT.	4-06	R1-1	STOP	-	30X30	1	-	-	5.18	-	-	-	-
62+70	MAINLINE, RT.	4-07R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
63+00	MAINLINE, RT.	4-08	W1-6	RIGHT ARROW	-	48X24	-	1	-	-	8.00	-	-	-
69+00	MAINLINE, LT.	5-00	W1-1R	RIGHT CURVE	-	36X36	-	-	1	-	9.00	-	-	-
69+00	MAINLINE, LT.	5-01	W13-1	ADVISORY SPEED PLAQUE	15	18X18	-	-	-	-	2.25	-	-	5-00
69+50	MAINLINE, LT.	5-02R	W1-1R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
69+50	MAINLINE, LT.	5-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	5-02R
130+75	MAINLINE, RT.	9-00	W14-3	NO PASSING ZONE	-	48X36	-	1	-	-	5.56	-	-	-
131+45	MAINLINE, RT.	9-01R	W3-1	STOP AHEAD	-	-	-	-	-	-	-	1	1	-
132+80	MAINLINE, LT.	9-02	W14-3	NO PASSING ZONE	-	48X36	-	1	-	-	5.56	-	-	-
134+00	MAINLINE, RT.	9-03	W3-1	STOP AHEAD	-	36X36	-	1	-	-	9.00	-	-	-
135+75	MAINLINE, RT.	10-00	W1-1R	RIGHT TURN	-	36X36	-	-	1	-	9.00	-	-	-
135+75	MAINLINE, RT.	10-01	W13-1	ADVISORY SPEED PLAQUE	15	18X18	-	-	-	-	2.25	-	-	10-00
136+00	MAINLINE, RT.	10-02R	W1-1R	RIGHT TURN	-	-	-	-	-	-	-	1	1	-
136+00	MAINLINE, RT.	10-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	10-02R
137+00	MAINLINE, RT.	10-04	J1-1	JUNCTION ASSEMBLY	DD	24X39	-	1	-	6.50	-	-	-	-
140+75	MAINLINE, LT.	10-05	M1-5A	COUNTY ROUTE MARKER	D	24X24	-	1	-	4.00	-	-	-	-
141+00	MAINLINE, LT.	10-06R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
141+15	MAINLINE, RT.	10-07	R1-1	STOP	-	30X30	-	-	1	5.18	-	-	-	-
141+15	MAINLINE, RT.	10-08	R1-10P	EXCEPT RIGHT TURN	-	24X18	-	-	-	3.00	-	-	-	10-087
141+20	MAINLINE, RT.	10-09R	R1-1	STOP	-	30X30	-	1	-	5.18	-	1	1	-
141+20	MAINLINE, RT.	10-10R	-	RIGHT TURN NO STOP	-	-	-	-	-	-	-	1	-	10-09R
141+25	MAINLINE, LT.	10-11	W1-6	RIGHT ARROW	-	48X24	1	-	-	-	8.00	-	-	-
141+35	TORNOW RD, EAST	10-12	R1-1	STOP	-	30X30	-	1	-	5.18	-	-	-	-
141+40	TORNOW RD, EAST	10-13R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
141+60	TORNOW RD, WEST	10-14R	W1-6	LEFT ARROW	-	-	-	-	-	-	-	1	1	-
141+65	CTH DD, SOUTH	10-15R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
141+65	CTH DD, SOUTH	10-16	R1-1	STOP	-	30X30	-	1	-	5.18	-	-	-	-
141+90	MAINLINE, LT.	10-17	W1-6	LEFT ARROW	-	48X24	1	-	-	-	8.00	-	-	-
141+90	MAINLINE, LT.	10-18R	W1-6	RIGHT ARROW	-	-	-	-	-	-	-	1	1	-
141+95	MAINLINE, LT.	10-19R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
141+95	MAINLINE, LT.	10-20R	M6-1	RIGHT ARROW	-	-	-	-	-	-	-	1	-	10-19R
142+00	MAINLINE, LT.	10-21	J13-1	DIRECTION WITHOUT CARDINAL	DD	24X45	-	1	-	7.50	-	-	-	-
142+00	MAINLINE, RT.	10-22	D11-10	ATV ROUTE	-	24X18	1	-	-	3.00	-	-	-	-
142+15	MAINLINE, RT.	10-23R	D11-10	ATV ROUTE	-	-	-	-	-	-	-	1	1	-
147+45	MAINLINE, LT.	10-24R	M2-1	JCT	-	-	-	-	-	-	-	1	1	-
147+45	MAINLINE, LT.	10-25R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	-	10-24R
147+50	MAINLINE, LT.	10-26	J1-1	JUNCTION ASSEMBLY	-	24X39	-	1	-	6.50	-	-	-	-
148+50	MAINLINE, LT.	10-27	W1-1L	LEFT TURN	-	36X36	-	-	1	-	9.00	-	-	-
148+50	MAINLINE, LT.	10-28	W13-1	ADVISORY SPEED PLAQUE	15	18X18	-	-	-	-	2.25	-	-	10-27
149+10	MAINLINE, LT.	11-00R	W1-1L	LEFT TURN	-	-	-	-	-	-	-	1	1	-
149+10	MAINLINE, LT.	11-01R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	11-00R
157+30	MAINLINE, LT.	11-02R	S3-1	BUS STOP AHEAD	-	-	-	-	-	-	-	1	1	-
157+50	MAINLINE, LT.	11-03	S3-1	BUS STOP AHEAD	-	30X30	1	-	-	-	6.25	-	-	-
165+95	MAINLINE, RT.	12-00	W5-52R	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
166+00	MAINLINE, RT.	12-01R	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
166+00	MAINLINE, LT.	12-02	W5-52L	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
166+05	MAINLINE, LT.	12-03R	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
166+20	MAINLINE, RT.	12-04R	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
166+25	MAINLINE, RT.	12-05	W5-52L	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
166+30	MAINLINE, LT.	12-06R	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
166+35	MAINLINE, LT.	12-07	W5-52R	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
166+50	MAINLINE, RT.	12-08	W14-3	NO PASSING ZONE	-	48X36	1	-	-	-	5.56	-	-	-
182+05	MAINLINE, LT.	13-00	W14-3	NO PASSING ZONE	-	48X36	1	-	-	-	5.56	-	-	-
SUBTOTALS =							16	13	5	60.40	159.11	32	25	

3

3

ALL ITEMS ARE CATEGORY 010 UNLESS NOTED OTHERWISE

PERMANENT SIGNING

APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (INCH X INCH)	634.0614	634.0616	634.0618	637.2210	637.2230	638.2602	638.3000	SIGN MOUNTED ON SAME POST AS
							POSTS WOOD 4X6 INCH 14 FT (EACH)	POSTS WOOD 4X6 INCH 16 FT (EACH)	POSTS WOOD 4X6 INCH 18 FT (EACH)	SIGNS TYPE II REFLECTIVE H (S.F.)	SIGNS TYPE II REFLECTIVE F (S.F.)	REMOVING SIGNS TYPE II (EACH)	REMOVING SMALL SIGN SUPPORTS (EACH)	
183+50	MAINLINE, RT.	13-01R	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
183+50	MAINLINE, RT.	13-02R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	13-01R
185+00	MAINLINE, RT.	13-03	W1-4L	LEFT REVERSE CURVE	-	36X36	-	1	-	-	9	-	-	-
185+00	MAINLINE, RT.	13-04	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	-	-	-	2.25	-	-	13-03
193+74	LINCICUM RD, LT	14-00	R12-54	WEIGHT LIMIT CLASS B REDUCED	-	24X36	-	1	-	6.00	-	-	-	-
193+75	LINCICUM RD, LT	14-01R	R12-54	WEIGHT LIMIT CLASS B REDUCED	40	-	-	-	-	-	-	1	1	-
194+14	LINCICUM RD, RT	14-02	R1-1	STOP	-	30X30	-	1	-	5.18	-	-	-	-
194+15	LINCICUM RD, RT	14-03R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
195+85	MAINLINE, LT.	14-04R	S3-1	BUS STOP AHEAD	-	-	-	-	-	-	-	1	1	-
196+00	MAINLINE, LT.	14-05	S3-1	BUS STOP AHEAD	-	36X36	-	-	1	-	9.00	-	-	-
197+15	MAINLINE, RT.	14-06R	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
197+15	MAINLINE, LT.	14-07R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	14-06R
201+55	MAINLINE, LT.	14-08R	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
201+55	MAINLINE, LT.	14-09R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	14-08R
213+50	MAINLINE, LT.	15-00	W1-4L	LEFT REVERSE CURVE	-	36X36	-	-	1	-	9	-	-	-
213+50	MAINLINE, LT.	15-01	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	-	-	-	2.25	-	-	15-00
214+05	MAINLINE, LT.	15-02R	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
214+05	MAINLINE, LT.	15-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	15-02R
214+40	MAINLINE, RT.	15-04R	W11-5	TRACTOR	-	-	-	-	-	-	-	1	1	-
214+40	MAINLINE, RT.	15-05R	-	FARM MACHINERY	-	-	-	-	-	-	-	1	-	15-04R
214+50	MAINLINE, RT.	15-06	W11-5	TRACTOR	-	30X30	-	1	-	-	6.25	-	-	-
215+30	MAINLINE, RT.	15-07R	S3-1	BUS STOP AHEAD	-	-	-	-	-	-	-	1	1	-
216+00	MAINLINE, RT.	15-08	S3-1	BUS STOP AHEAD	-	36X36	-	-	1	-	9.00	-	-	-
221+95	MAINLINE, RT.	16-00R	W2-2L	LEFT INTERSECTION	-	-	-	-	-	-	-	1	1	-
222+00	MAINLINE, RT.	16-01	W2-2L	LEFT INTERSECTION	-	30X30	-	1	-	-	6.25	-	-	-
227+30	MAINLINE, RT.	16-02R	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
227+30	MAINLINE, RT.	16-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	16-02R
227+50	MAINLINE, RT.	16-04	W1-5R	RIGHT WINDING ROAD	-	30X30	-	-	1	-	6.25	-	-	-
227+50	MAINLINE, RT.	16-05	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	16-04
230+10	WEHINGER RD, SOUTH	16-06	R1-1	STOP	-	30X30	1	-	-	5.18	-	-	-	-
230+15	WEHINGER RD, SOUTH	16-07R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
230+15	WEHINGER RD, SOUTH	16-08R	M6-1	STRAIGHT ARROW	-	-	-	-	-	-	-	1	-	16-07R
230+50	MAINLINE, RT.	16-09	W7-1	HILL	-	30X30	-	-	1	-	6.25	-	-	-
230+50	MAINLINE, RT.	16-10	D11-10	ATV ROUTE	-	24X18	-	-	-	3.00	-	-	-	16-09
230+65	MAINLINE, RT.	16-11R	W7-1	HILL	-	-	-	-	-	-	-	1	1	-
230+65	MAINLINE, RT.	16-12R	M6-1	STRAIGHT ARROW	-	-	-	-	-	-	-	1	-	16-11R
230+65	MAINLINE, RT.	16-13R	D11-10	ATV ROUTE	-	-	-	-	-	-	-	1	-	16-11R
234+55	MAINLINE, RT.	17-00R	W1-5L	LEFT WINDING ROAD	-	-	-	-	-	-	-	1	1	-
234+55	MAINLINE, RT.	17-01R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	17-00R
238+10	MAINLINE, LT.	17-02R	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
238+10	MAINLINE, LT.	17-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	17-02R
251+00	MAINLINE, LT.	18-00	W1-5L	LEFT WINDING ROAD	-	30X30	-	-	1	-	6.25	-	-	-
251+00	MAINLINE, LT.	18-01	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	18-00
251+00	MAINLINE, RT.	18-02	W1-5R	RIGHT WINDING ROAD	-	30X30	-	-	1	-	6.25	-	-	-
251+00	MAINLINE, RT.	18-03	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	18-02
252+65	MAINLINE, RT.	18-04R	W1-5R	RIGHT WINDING ROAD	-	-	-	-	-	-	-	1	1	-
252+65	MAINLINE, RT.	18-05R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	18-04R
252+95	MAINLINE, LT.	18-06R	W1-5R	RIGHT WINDING ROAD	-	-	-	-	-	-	-	1	1	-
252+95	MAINLINE, LT.	18-07R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	18-06R
261+30	MAINLINE, RT.	19-00R	M2-1	JCT	-	-	-	-	-	-	-	1	1	-
261+30	MAINLINE, RT.	19-01R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	-	19-00R
265+50	MAINLINE, RT.	19-02	J1-1	JUNCTION ASSEMBLY	B	24X39	-	1	-	6.50	-	-	-	-
269+70	MAINLINE, RT.	19-03	W5-52R	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
269+80	MAINLINE, RT.	19-04R	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
269+80	MAINLINE, LT.	19-05	W5-52L	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
269+85	MAINLINE, LT.	19-06R	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
270+10	MAINLINE, RT.	19-07R	W5-52L	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
270+15	MAINLINE, RT.	19-08	W5-52L	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
270+15	MAINLINE, LT.	19-09R	W5-52R	BRIDGE HASH MARKS	-	-	-	-	-	-	-	1	1	-
270+20	MAINLINE, LT.	19-10	W5-52R	BRIDGE HASH MARKS	-	12X36	1	-	-	-	3.00	-	-	-
271+50	MAINLINE, LT.	19-11	J4-1	REASSURANCE ASSEMBLY	D	24X36	-	-	1	6.00	-	-	-	-
271+60	MAINLINE, LT.	19-12R	M3-3	SOUTH	-	-	-	-	-	-	-	1	1	-
271+60	MAINLINE, LT.	19-13R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	-	19-12R
272+00	MAINLINE, RT.	19-14	J13-1	DIRECTIONAL WITHOUT CARDINAL	B	24X45	1	-	-	7.50	-	-	-	-
272+10	MAINLINE, RT.	19-15R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
272+10	MAINLINE, RT.	19-16R	M6-1	RIGHT ARROW	-	-	-	-	-	-	-	1	-	19-15R
272+45	MCKNIGHT RD, SOUTH	19-17R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
272+50	MCKNIGHT RD, SOUTH	19-18	R1-1	STOP	-	30X30	1	-	-	5.18	-	-	-	-
272+65	CTH B , NORTH	19-19	R1-1	STOP	-	30X30	1	-	-	5.18	-	-	-	-
272+70	CTH B , NORTH	19-20	J13-1	DIRECTIONAL WITHOUT CARDINAL	D	24X45	-	1	-	7.50	-	-	-	-
SUBTOTALS =							8	7	8	57.22	96.75	41	25	

PROJECT NO: 5725-00-70

HWY: CTH D

COUNTY: LAFAYETTE

MISCELLANEOUS QUANTITIES

SHEET

E

ALL ITEMS ARE CATEGORY 010 UNLESS NOTED OTHERWISE

PERMANENT SIGNING

APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE (INCH X INCH)	634.0614 POSTS WOOD 4X6 INCH 14 FT (EACH)	634.0616 POSTS WOOD 4X6 INCH 16 FT (EACH)	634.0618 POSTS WOOD 4X6 INCH 18 FT (EACH)	637.2210 SIGNS TYPE II REFLECTIVE H (S.F.)	637.2230 SIGNS TYPE II REFLECTIVE F (S.F.)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	SIGN MOUNTED ON SAME POST AS
272+72	CTH B , NORTH	19-21R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
272+75	CTH B , NORTH	19-22R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
272+75	CTH B , NORTH	19-23R	M6-4	DOUBLE ARROW	-	-	-	-	-	-	-	1	-	19-22R
273+15	MAINLINE, LT.	19-24R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	1	-
273+15	MAINLINE, LT.	19-25R	M6-1L	LEFT ARROW	-	-	-	-	-	-	-	1	-	19-24R
273+15	MAINLINE, LT.	19-26R	-	ATVS STAY ON PAVED SURFACE	-	-	-	-	-	-	-	1	-	19-24R
273+15	MAINLINE, LT.	19-27R	M6-1	STRAIGHT ARROW	-	-	-	-	-	-	-	1	-	19-24R
273+25	MAINLINE, LT.	19-28	J13-1	DIRECTIONAL WITHOUT CARDINAL	B	24X45	-	1	-	7.50	-	-	-	-
273+60	MAINLINE, RT.	19-29R	W1-4L	LEFT REVERSE CURVE	-	-	-	-	-	-	-	1	1	-
273+60	MAINLINE, RT.	19-30R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	19-29R
274+50	MAINLINE, LT.	19-31	W1-21	LEFT TURN	-	36X36	-	-	1	-	9	-	-	-
274+50	MAINLINE, LT.	19-32	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	19-32
277+00	MAINLINE, LT.	20-00	W1-5L	LEFT WINDING ROAD	-	30X30	-	-	-	-	6.25	-	-	-
277+00	MAINLINE, LT.	20-01	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	20-00
277+05	MAINLINE, LT.	20-02R	W1-5L	LEFT WINDING ROAD	-	-	-	-	-	-	-	1	1	-
277+05	MAINLINE, LT.	20-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	20-02R
281+00	MAINLINE, LT.	20-04	J1-1	JUNCTION ASSEMBLY	B	24X39	-	-	1	6.50	-	-	-	-
283+00	MAINLINE, LT.	20-05R	M2-1	JCT	-	-	-	-	-	-	-	1	1	-
283+00	MAINLINE, LT.	20-06R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	-	20-05R
283+50	MAINLINE, RT.	20-07	W1-1R	RIGHT TURN	-	36X36	-	-	1	-	9.00	-	-	-
283+50	MAINLINE, RT.	20-08	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	-	-	-	2.25	-	-	20-07
284+50	MAINLINE, LT.	20-09	W1-2R	RIGHT CURVE	-	30X30	-	-	1	-	6.25	-	-	-
284+50	MAINLINE, LT.	20-10	W13-1	ADVISORY SPEED PLAQUE	25	18X18	-	-	-	-	2.25	-	-	20-10
291+60	MAINLINE, RT.	21-00R	W3-5	SPEED LIMIT AHEAD	-	-	-	-	-	-	-	1	1	-
295+00	MAINLINE, RT.	21-01	W3-5	SPEED LIMIT AHEAD	45	36X36	-	-	1	-	9.00	-	-	-
295+10	MAINLINE, RT.	21-02R	W1-2L	LEFT CURVE	-	-	-	-	-	-	-	1	1	-
295+10	MAINLINE, RT.	21-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	21-02R
297+00	MAINLINE, RT.	21-04	W1-2L	LEFT CURVE	-	30X30	-	-	1	-	6.25	-	-	-
297+00	MAINLINE, RT.	21+05	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	-	-	-	2.25	-	-	21-04
298+00	MAINLINE, LT.	21-06	W1-2L	LEFT CURVE	-	30X30	-	-	1	-	6.25	-	-	-
298+00	MAINLINE, LT.	21-07	W13-1	ADVISORY SPEED PLAQUE	40	18X18	-	-	-	-	2.25	-	-	21-06
299+65	MAINLINE, LT.	21-08R	W1-4L	LEFT REVERSE CURVE	-	-	-	-	-	-	-	1	1	-
299+65	MAINLINE, LT.	21-09R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	21-08R
300+15	MAINLINE, RT.	21-10	R2-1	SPEED LIMIT	45	24X30	-	1	-	5.00	-	-	-	-
300+15	MAINLINE, LT.	21-11	R2-1	SPEED LIMIT	55	24X30	-	-	-	5.00	-	-	-	21-10
300+20	MAINLINE, RT.	21-12R	R2-1	SPEED LIMIT	-	-	-	-	-	-	-	1	1	-
300+30	MAINLINE, LT.	21-13R	M4-6	END	-	-	-	-	-	-	-	1	1	-
300+30	MAINLINE, LT.	21-14R	R2-1	SPEED LIMIT	-	-	-	-	-	-	-	1	-	21-13R
307+75	MAINLINE, LT.	22-00	W1-2R	RIGHT CURVE	-	30X30	-	-	1	-	6.25	-	-	-
307+75	MAINLINE, LT.	22-01	W13-1	ADVISORY SPEED PLAQUE	35	18X18	-	-	-	-	2.25	-	-	22-00
308+75	MAINLINE, LT.	22-02R	W1-2R	RIGHT CURVE	-	-	-	-	-	-	-	1	1	-
308+75	MAINLINE, LT.	22-03R	W13-1	ADVISORY SPEED PLAQUE	-	-	-	-	-	-	-	1	-	22-02R
316+00	MAINLINE, RT.	22-04R	W3-1	STOP SIGN AHEAD	-	-	-	-	-	-	-	1	1	-
316+30	MAINLINE, LT.	22-05	R1-1	STOP	-	30X30	1	-	-	5.18	-	-	-	-
316+40	MAINLINE, LT.	22-06R	R1-1	STOP	-	-	-	-	-	-	-	1	1	-
322+50	MAINLINE, RT.	23-00	J1-1	JUNCTION ASSEMBLY	11	24X39	-	1	-	6.50	-	-	-	-
327+20	MAINLINE, RT.	23-01R	M2-1	JCT	-	-	-	-	-	-	-	1	1	-
327+20	MAINLINE, RT.	23-02R	M1-6	STATE ROUTE MARKER	-	-	-	-	-	-	-	1	-	23-01R
327+25	MAINLINE, LT.	23-03	R2-1	SPEED LIMIT	45	24X30	-	1	-	5.00	-	-	-	-
327+30	MAINLINE, LT.	23-04R	R2-1	SPEED LIMIT	-	-	-	-	-	-	-	1	1	-
328+50	MAINLINE, RT.	23-05	W3-1	STOP SIGN AHEAD	-	36X36	1	-	-	-	9.00	-	-	-
331+75	MAINLINE, LT.	24-00	J4-1	CARDINAL DIRECTION MARKER	-	24X36	-	-	-	6.00	-	-	-	-
331+85	MAINLINE, LT.	24-01R	M2-1	CARDINAL DIRECTION MARKER	-	-	-	-	-	-	-	1	1	-
331+85	MAINLINE, LT.	24-02R	M1-5A	COUNTY ROUTE MARKER	-	-	-	-	-	-	-	1	-	24-01R
SUBTOTALS =							2	4	8	47	83	30	17	
PROJECT TOTALS =							26	24	21	164.30	338.86	103	67	

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RIPRAP & GEOTEXTILE				
STATION - STATION	LOCATION	606.0300 RIPRAP HEAVY (CY)	645.0120 GEOTEXTILE TYPE HR (SY)	645.0135 GEOTEXTILE TYPE SR (SY)
269+00 - 272+00	MAINLINE, LT.	-	-	135
269+00 - 270+50	MAINLINE, RT.	-	-	95
269+78	MAINLINE, RT.	13	34	-
270+03	MAINLINE, RT.	6	17	-
270+13	MAINLINE, LT.	8	22	-
TOTAL =		27	73	230

TRAFFIC CONTROL					
LOCATION	*DURATION CALENDAR DAYS	643.0300 DRUMS (DAYS)	643.0900 SIGNS (DAYS)	643.1050 SIGNS PCMS (DAYS)	643.5000 TRAFFIC CONTROL (EACH)
GUARDRAIL CONSTRUCTION	16	224	80	-	-
BEGIN PROJECT	7	-	-	7	-
BEGIN PROJECT	70	-	980	-	-
FOX VALLEY	70	-	70	-	-
MAYER RD	70	-	70	-	-
CTH DD	70	-	70	-	-
TORNOW RD	70	-	70	-	-
LINCICUM RD	70	-	70	-	-
WEHINGER RD	70	-	70	-	-
CTH B	70	-	70	-	-
MCKNIGHT RD	70	-	70	-	-
W SOUTH ST	70	-	70	-	-
W GROVE ST	70	-	70	-	-
S VERLEY ST	70	-	70	-	-
OLD HWY 11 SOUTH	70	-	70	-	-
OLD HWY 11 NORTH	70	-	70	-	-
END PROJECT	70	-	980	-	-
END PROJECT	7	-	-	7	-
PROJECT	-	-	-	-	1
TOTALS =		224	2,950	14	1
*FOR INFORMATION ONLY					

CONSTRUCTION STAKING			
STATION - STATION	LOCATION	650.8000 RESURFACING REFERENCE (LF)	650.9911 SUPPLEMENTAL CONTROL (PROJECT) 5725-00-70 (EACH)
10+00 - 332+88.27	MAINLINE	32,290	-
-	PROJECT	-	1
TOTALS =		32,290	1

PROJECT NO: 5725-00-70 HWY: CTH D

COUNTY: LAFAYETTE

MISCELLANEOUS QUANTITIES

SHEET 37

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MARKING LINE							
STATION - STATION	LOCATION	DESCRIPTION	643.3165	646.2020	646.4720	646.6120	648.0100
			TEMPORARY MARKING LINE PAINT 6-INCH (LF)	MARKING LINE EPOXY 6-INCH (LF)	MARKING LINE SAME DAY EPOXY 6-INCH (LF)	MARKING STOP LINE EPOXY 18-INCH (LF)	LOCATING NO-PASSING ZONES (M)
62+59	FOX VALLEY RD	STOP LINE	-	-	-	14	-
141+48	TORNOW RD	STOP LINE	-	-	-	16	-
141+67	CTH DD	STOP LINE	-	-	-	20	-
194+03	LINCICUM RD	STOP LINE	-	-	-	32	-
230+26	WEHINGER RD	STOP LINE	-	-	-	14	-
272+58	CTH B	STOP LINE	-	-	-	20	-
272+65	MCKNIGHT RD	STOP LINE	-	-	-	20	-
315+63	W SOUTH ST	STOP LINE	-	-	-	18	-
318+79	W GROVE ST	STOP LINE	-	-	-	21	-
10+00 - 19+56	MAINLINE	DOUBLE YELLOW	1,912	-	1,912	-	-
19+56 - 23+94	MAINLINE	DASHED NB / SOLID SB	474	-	550.5	-	-
23+94 - 32+43	MAINLINE	DASHED YELLOW	68	-	212.5	-	-
32+43 - 37+79	MAINLINE	SOLID NB / DASHED SB	584	-	686	-	-
37+79 - 130+75	MAINLINE	DOUBLE YELLOW	18,595	-	18,595	-	-
130+75 - 132+85	MAINLINE	DASHED YELLOW	16	-	50	-	-
132+85 - 140+82	MAINLINE	DASHED EB / SOLID WB	861	-	997	-	-
140+82 - 158+52	MAINLINE	DOUBLE YELLOW	3,540	-	3,540	-	-
158+52 - 166+34	MAINLINE	DASHED NB / SOLID SB	842	-	969.5	-	-
166+34 - 177+41	MAINLINE	DASHED YELLOW	88	-	275	-	-
177+41 - 182+08	MAINLINE	DASHED NB / SOLID SB	510	-	592	-	-
182+08 - 332+88.27	MAINLINE	DOUBLE YELLOW	30,160	-	30,160	-	-
10+00 - 141+16	ML, LT	WHITE EDGELINE	-	13,116	-	-	-
10+00 - 61+45	ML, RT	WHITE EDGELINE	-	5,147	-	-	-
61+45 - 61+98	ML, RT	DASHED WHITE EDGELINE	-	12	-	-	-
61+98 - 62+52	ML, RT	WHITE EDGELINE	-	57	-	-	-
62+52 - 62+99	ML, RT	DASHED WHITE EDGELINE	-	12	-	-	-
62+99 - 193+20	ML, RT	WHITE EDGELINE	-	13,025	-	-	-
193+20 - 194+64	ML, RT	DASHED WHITE EDGELINE	-	36	-	-	-
194+64 - 272+13	ML, RT	WHITE EDGELINE	-	7,749	-	-	-
272+93 - 315+09	ML, RT	WHITE EDGELINE	-	4,216	-	-	-
315+95 - 318+32	ML, RT	WHITE EDGELINE	-	237	-	-	-
319+09 - 323+12	ML, RT	WHITE EDGELINE	-	403	-	-	-
323+12 - 324+51	ML, RT	DASHED WHITE EDGELINE	-	33	-	-	-
324+54 - 332+88	ML, RT	WHITE EDGELINE	-	834	-	-	-
141+16 - 142+07	ML, LT	DASHED WHITE EDGELINE	-	24	-	-	-
142+07 - 230+04	ML, LT	WHITE EDGELINE	-	8,797	-	-	-
230+71 - 272+30	ML, LT	WHITE EDGELINE	-	4,158	-	-	-
273+11 - 316+30	ML, LT	WHITE EDGELINE	-	4,319	-	-	-
316+74 - 317+64	ML, LT	WHITE EDGELINE	-	90	-	-	-
318+53 - 332+88.27	ML, LT	WHITE EDGELINE	-	1,435	-	-	-
PROJECT	MAINLINE	-	-	-	-	-	6.12
TOTALS =			57,650	63,700	58,540	175	6.12

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SAWING ASPHALT

STATION	LOCATION	690.0150 (LF)
267+79 - 271+43	MAINLINE, RT.	364
268+51 - 272+31	MAINLINE, LT.	380
10+00	MAINLINE	22
332+88.27	MAINLINE	22
10+57	MAINLINE, RT.	12
17+62	MAINLINE, LT.	15
41+48	MAINLINE, RT.	13
47+59	MAINLINE, LT.	17
88+42	MAINLINE, RT.	25
289+69	MAINLINE, LT.	25
320+65	MAINLINE, RT.	25
321+41	MAINLINE, RT.	33
-	FOX VALLEY	21
-	MAYER RD	26
-	CTH DD	24
-	TORNOW RD	21
-	LINCICUM RD	22
-	WEHINGER RD	19
-	CTH B	24
-	MCKNIGHT RD	22
-	W SOUTH ST	24
-	W GROVE ST	35
-	S VERLEY ST	53
-	OLD HWY 11 SOUTH	26
-	OLD HWY 11 NORTH	40
TOTAL =		1,310

CONVENTIONAL SYMBOLS			
SECTION LINE		SECTION CORNER SYMBOL	
QUARTER LINE		SECTION CORNER MONUMENT	
SIXTEENTH LINE		GEODETIC SURVEY MONUMENT	
NEW REFERENCE LINE		SIXTEENTH CORNER MONUMENT	
NEW R/W LINE		SIGN	
EXISTING R/W OR HE LINE		OFF-PREMISE SIGN	
PROPERTY LINE		COMPENSABLE	
LOT, TIE & OTHER MINOR LINES		NON COMPENSABLE	
SLOPE INTERCEPT		ELECTRIC POLE	
CORPORATE LIMITS		TELEPHONE POLE	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC.)		PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)		ACCESS RESTRICTED BY ACQUISITION	
TEMPORARY LIMITED EASEMENT AREA		NO ACCESS (BY STATUTORY AUTHORITY)	
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)		ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	
TRANSMISSION STRUCTURES		NO ACCESS (NEW HIGHWAY)	
BUILDING TO BE REMOVED		PARCEL NUMBER	
BRIDGE		UTILITY NUMBER	
CULVERT		PARALLEL OFFSETS	

CONVENTIONAL ABBREVIATIONS			
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS (100')	R/I
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN		
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT	PAGE	P
MONUMENT	MON	POINT OF TANGENCY	PT
NATIONAL GEODETIC SURVEY	NGS	PERMANENT LIMITED EASEMENT	PLE
NUMBER	NO		
OUTLOT	OL	POINT OF BEGINNING	POB
		POINT OF CURVATURE	PC

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, LAFAYETTE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE LAFAYETTE COUNTY HIGHWAY DEPARTMENT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

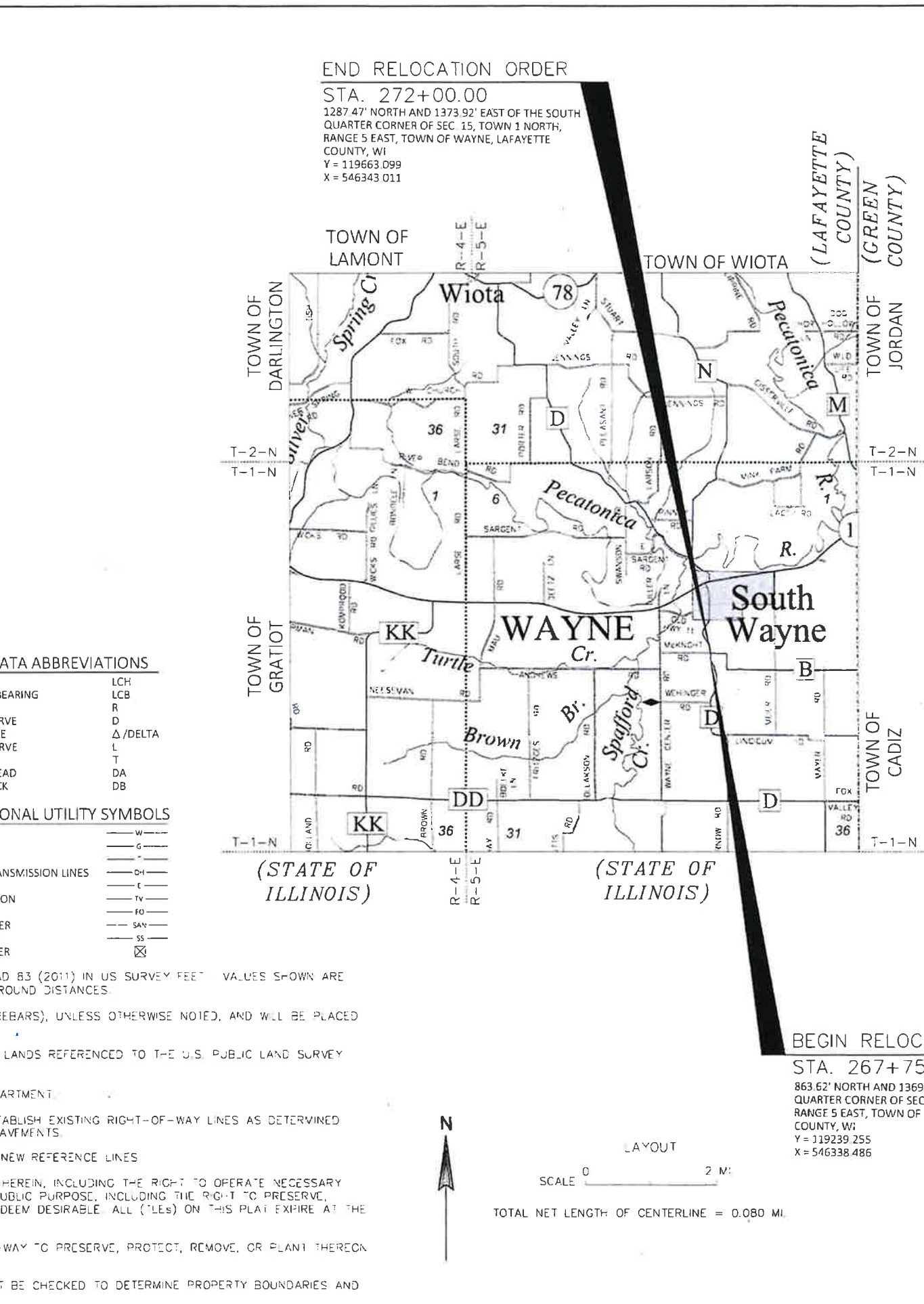
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

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

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

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSE ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

FILE NAME : S:\Projects\W11693 WisDOT - CTH D Resurficing, Lafayette Co\RW\DWG\W11693_CTH D_RW_TITLE.dwg



R/W PROJECT NUMBER 5725-00-01	SHEET 4.01	TOTAL 2 SHEETS
FEDERAL PROJECT NUMBER		
PLAT OF RIGHT-OF-WAY REQUIRED FOR IL STATE LINE - STH 11 (CTH D) IL STATE LINE TO STH 11		
CTH D LAFAYETTE COUNTY		
CONSTRUCTION PROJECT NUMBER 5725-00-70		

RECEIVED
AUG 19 2024
LAFAYETTE CO. CLERK
Carla Jacobs
Lafayette Co Clerk

RECEIVED
MAY 30 2024
LAFAYETTE CO. CLERK
Carla Jacobson
Lafayette County Clerk

JEWELL
associates engineers, inc.
Engineers - Architects - Surveyors
560 SUNRISE DRIVE
SPRING GREEN, WI 53588
PHONE : 608 588 7484
FAX : 608 588 9327

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FOR LAFAYETTE COUNTY, WISCONSIN AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

WISCONSIN
NOAH E. ANLIKER
S-3265
CAZENOVIA
WISCONSIN
LAND SURVEYOR

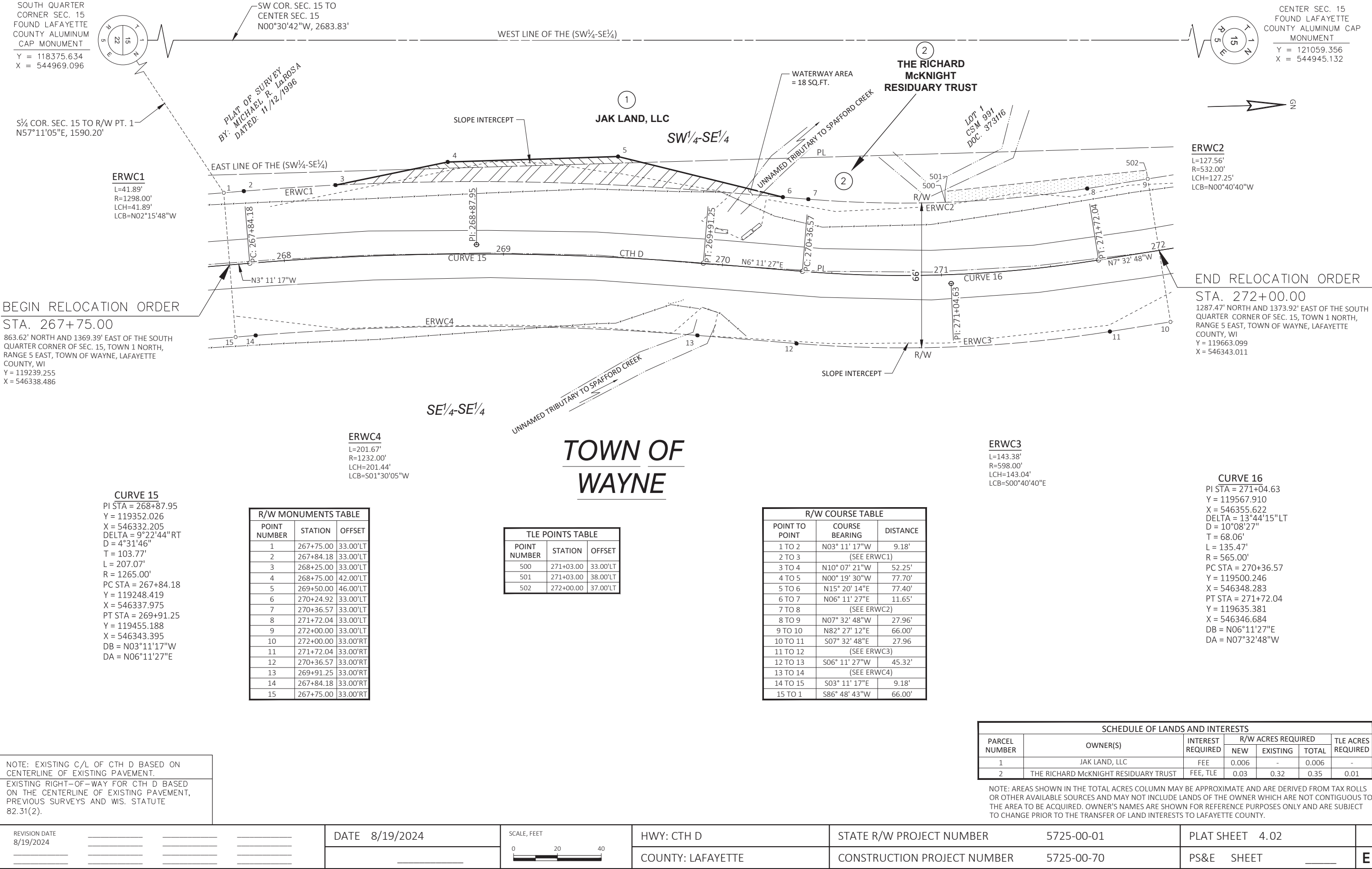
DATE: 3-21-2024

APPROVED FOR LAFAYETTE COUNTY
8/30/2024 Dan Kelly Commissioner
(NAME/TITLE)

REVISION DATE
8/19/2024 N.C.

OR

39

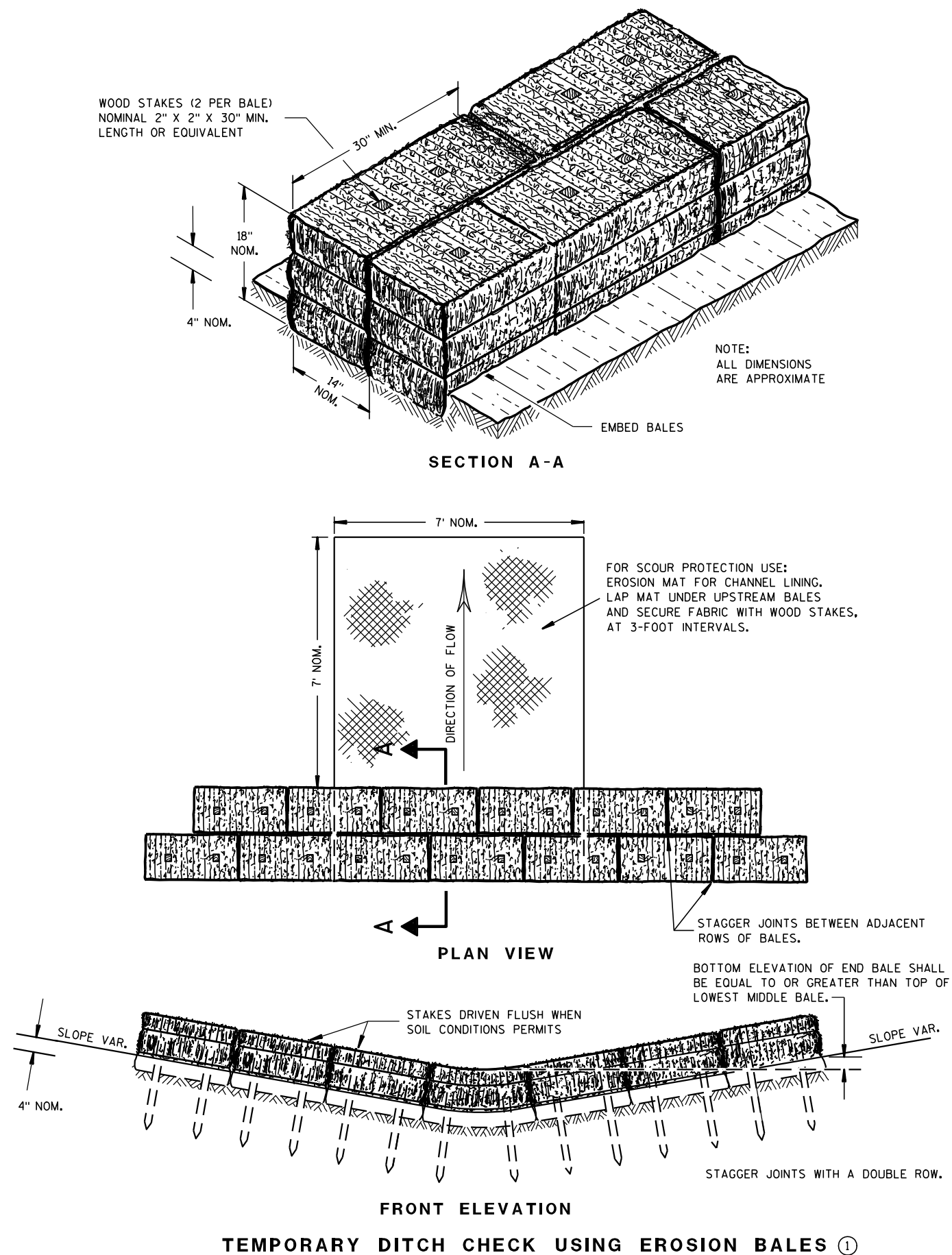


NOTE: EXISTING C/L OF CTH D BASED ON CENTERLINE OF EXISTING PAVEMENT.
EXISTING RIGHT-OF-WAY FOR CTH D BASED ON THE CENTERLINE OF EXISTING PAVEMENT, PREVIOUS SURVEYS AND WIS. STATUTE 82.31(2).

REVISION DATE 8/19/2024				DATE 8/19/2024	SCALE, FEET 	HWY: CTH D	STATE R/W PROJECT NUMBER 5725-00-01	PLAT SHEET 4.02	E
						COUNTY: LAFAYETTE	CONSTRUCTION PROJECT NUMBER 5725-00-70	PS&E SHEET	

Standard Detail Drawing List

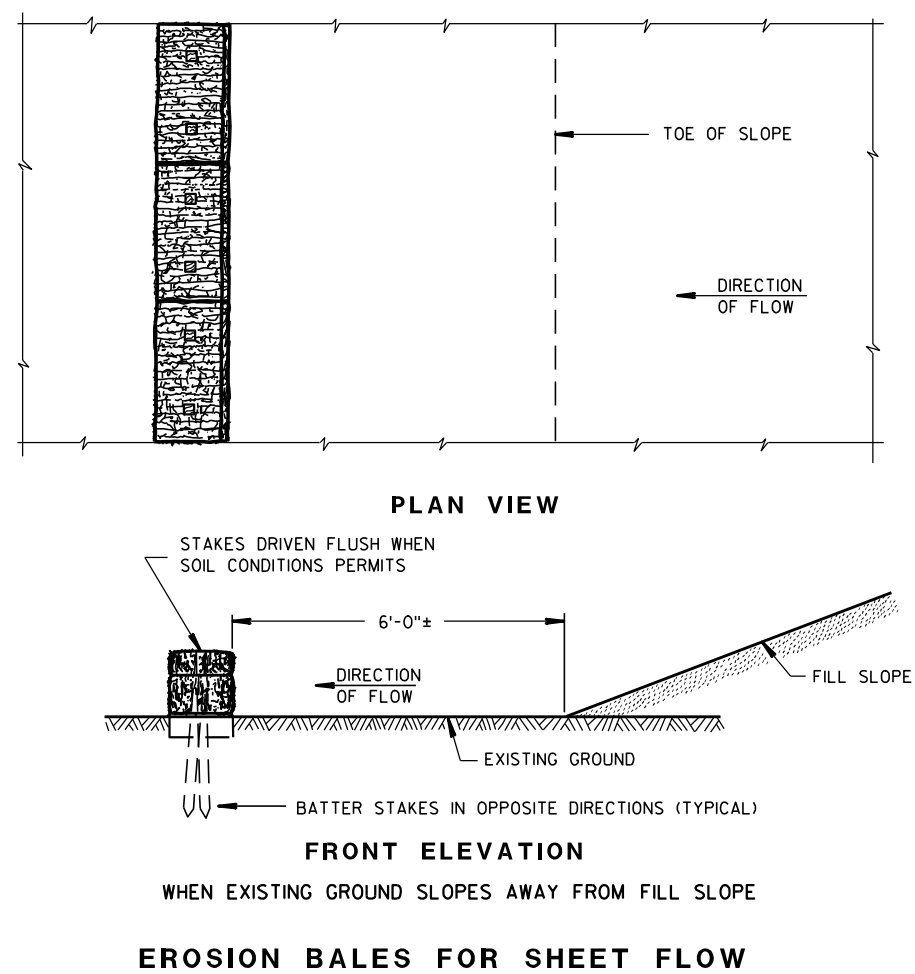
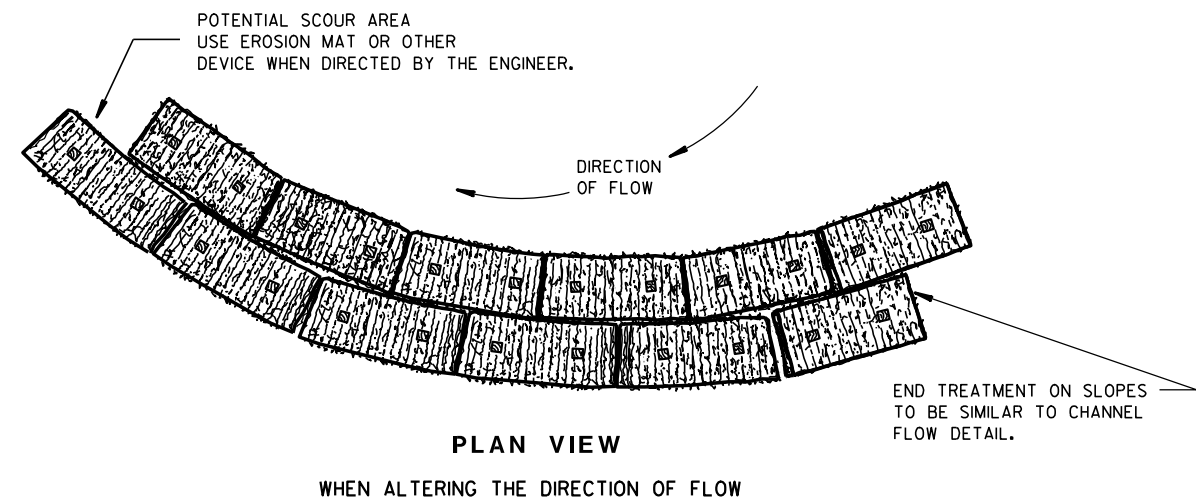
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES



GENERAL NOTES

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

- ① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

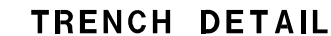
6/04/02
DATE/S/ Beth Conn
CHIEF ROADWAY DEVELOPER

ENGINEER

FHWA



- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" 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.

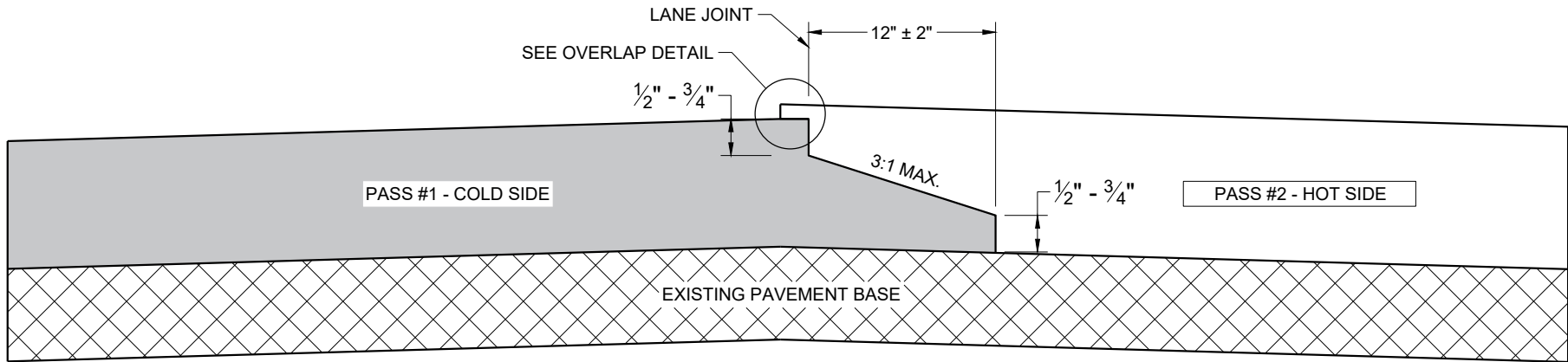


SILT FENCE

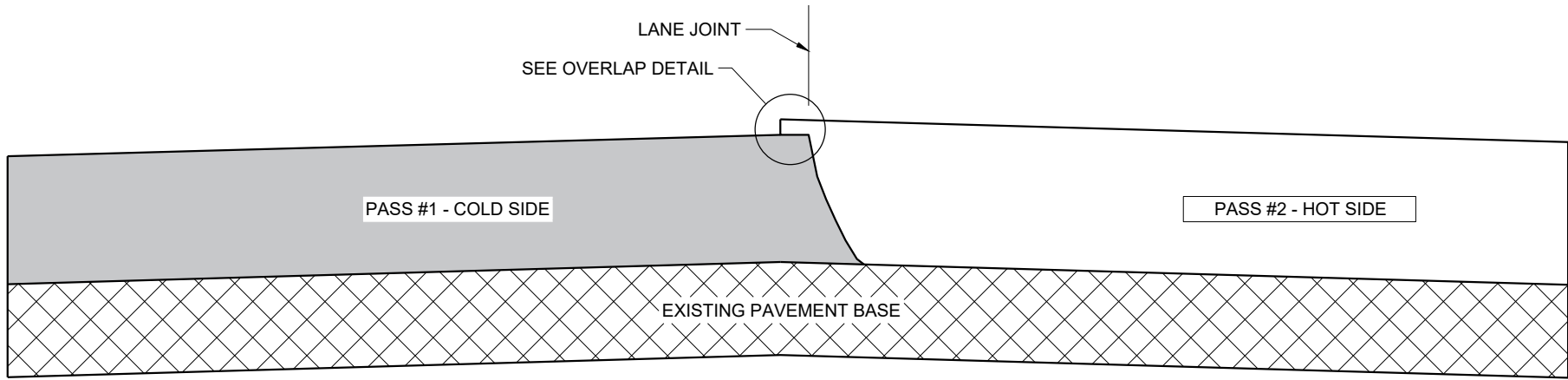
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05
DATE /S/ Beth Connolly
CHIEF ROADWAY DEVELOPMENT 43 INCHES

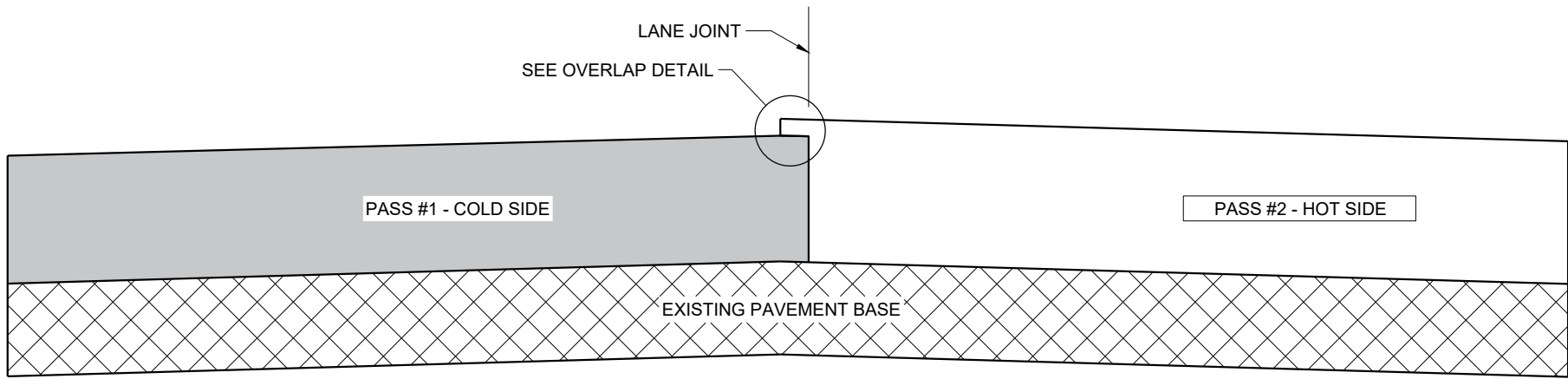
FHWA



**TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT**



**TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT**



**TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)**

GENERAL NOTES

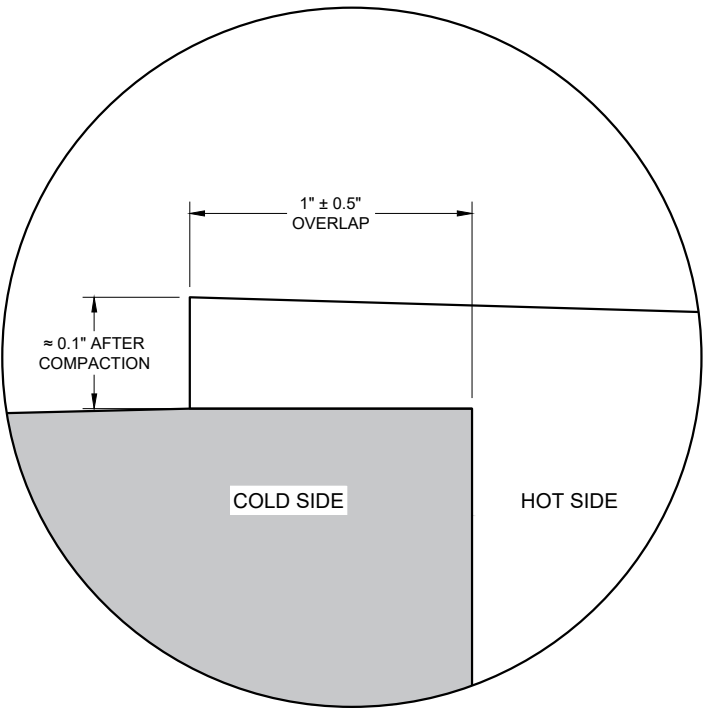
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



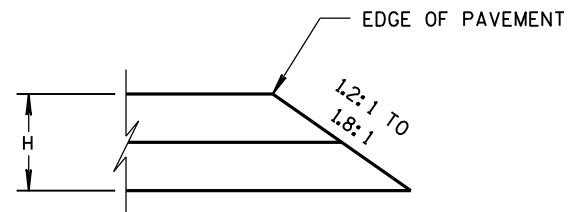
OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS

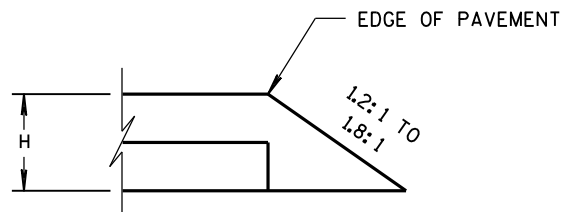
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020 /S/ Steven Hefel
DATE HMA PAVEMENT ENGIN 44

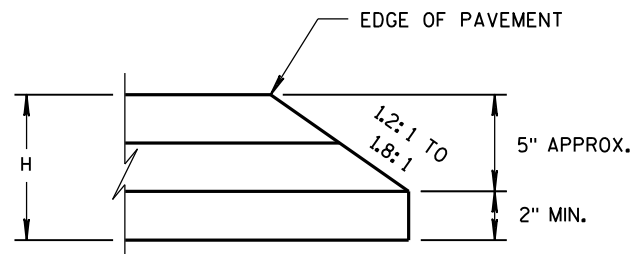
FHWA



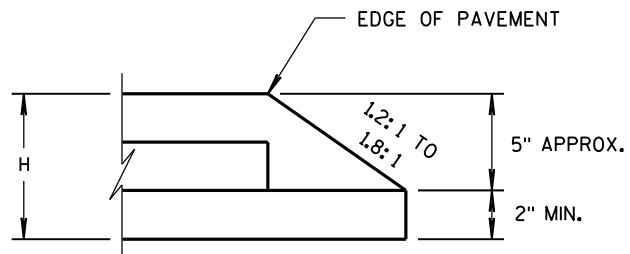
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

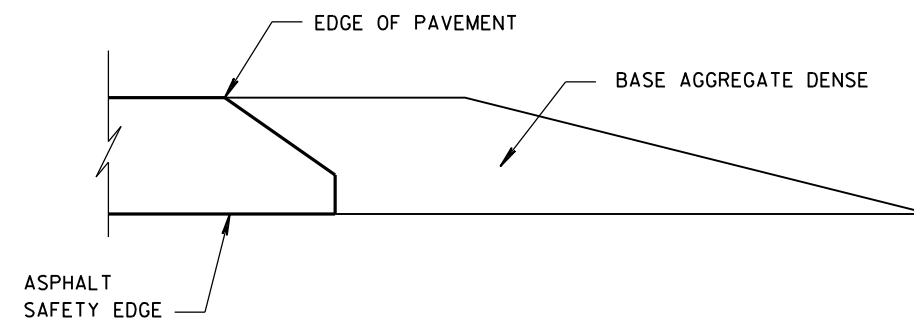


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE_{SM}

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

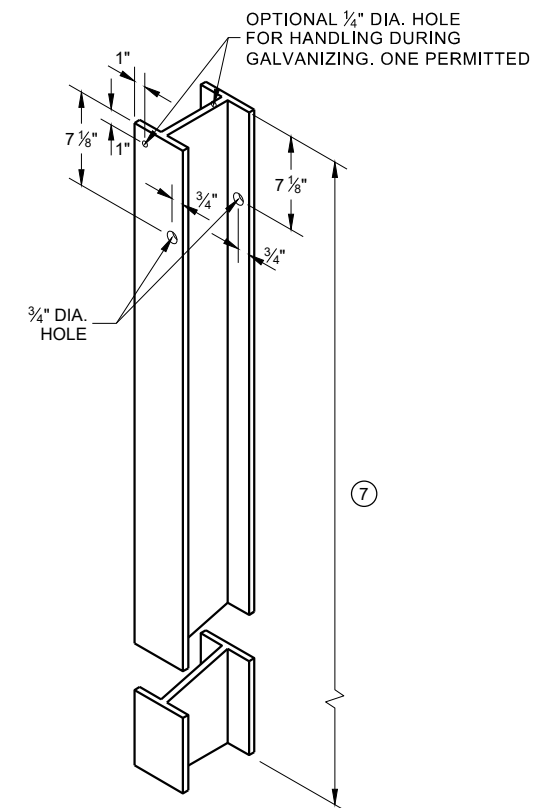
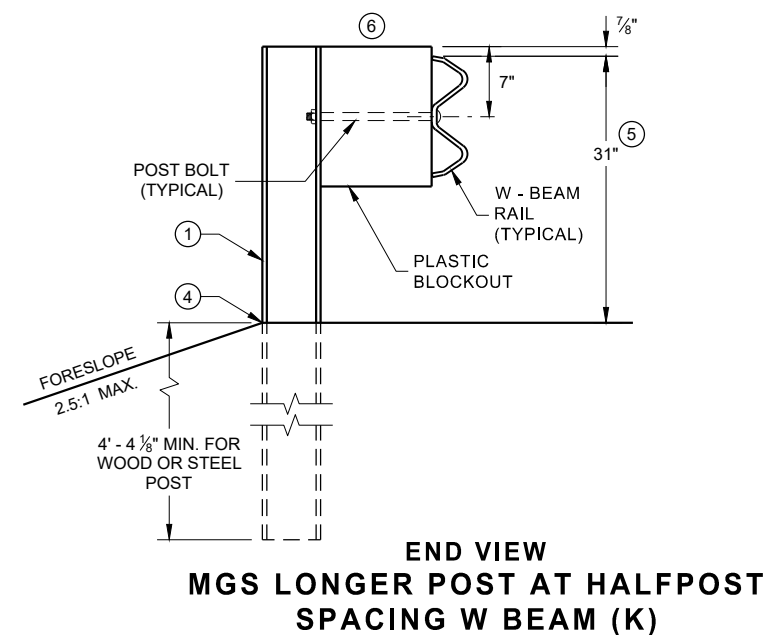
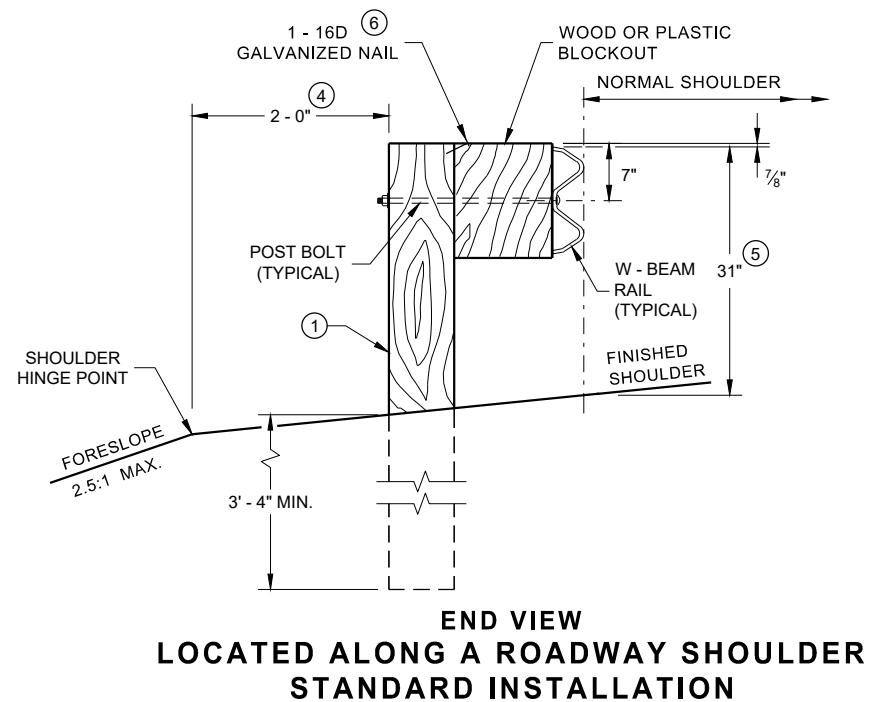
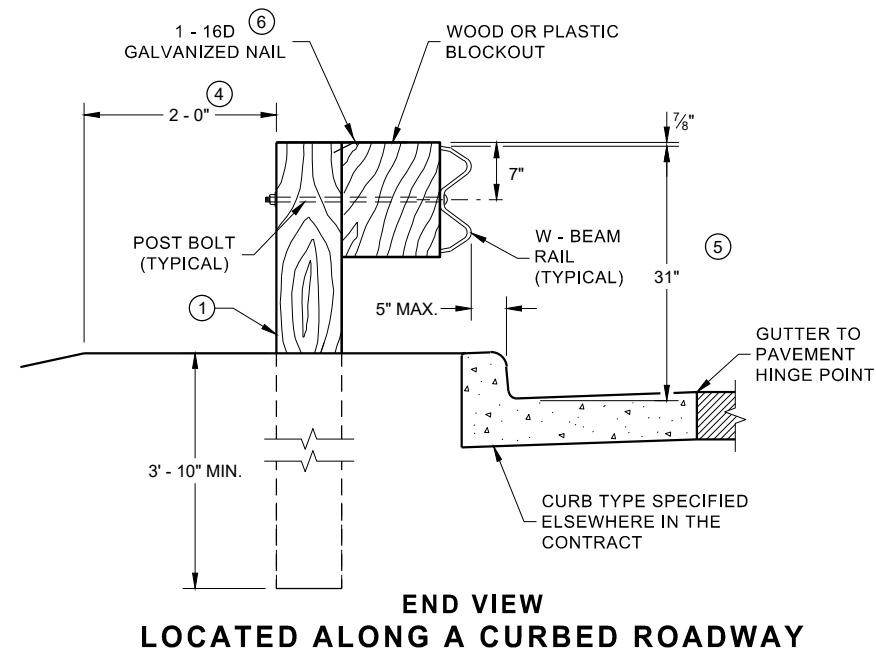
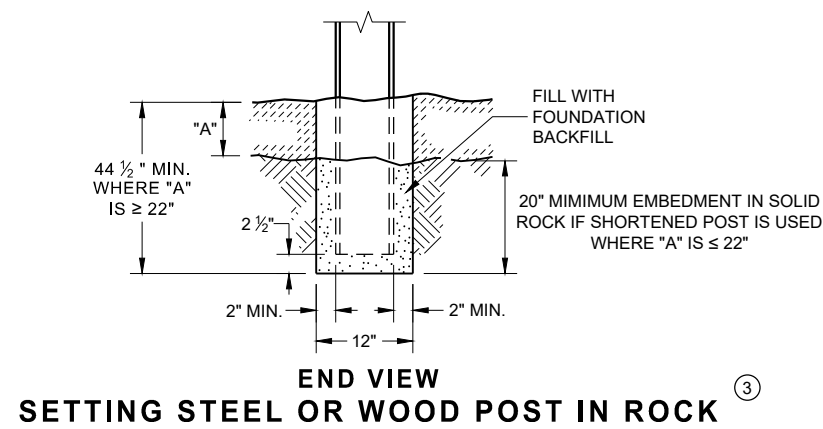
FHWA

/s/ Jerry H. Zoaga
ROADWAY STANDARDS ENGINEER

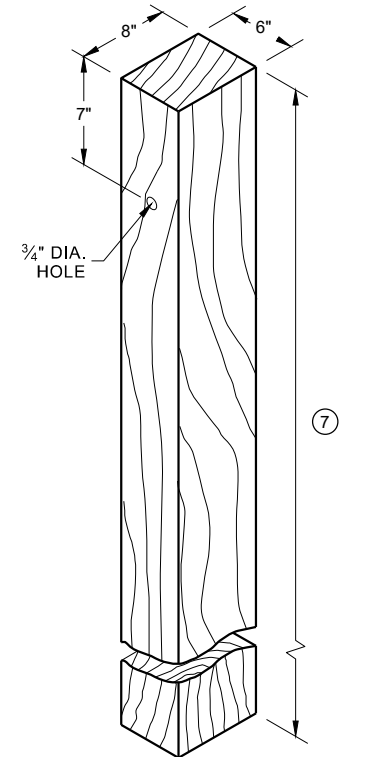
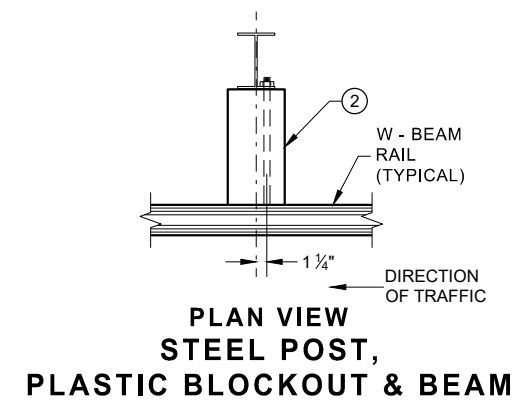
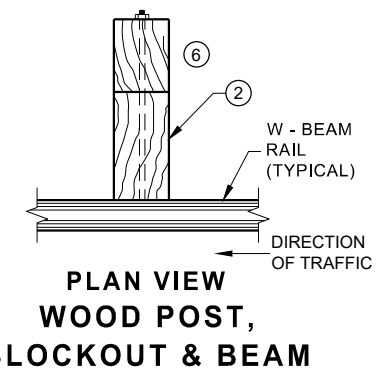
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ENT

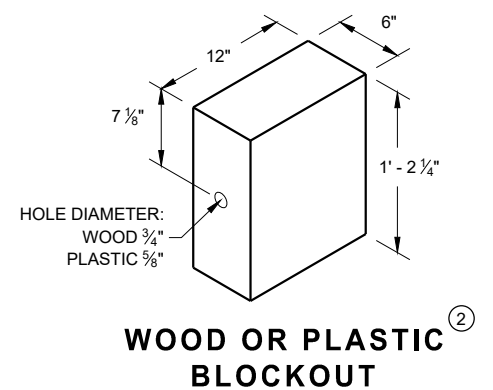
- ① WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- ③ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS TO LENGTH AND INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- ④ WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- ⑤ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS $\pm 1"$. FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 3/4" TO 32".
- ⑥ WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- ⑦ TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



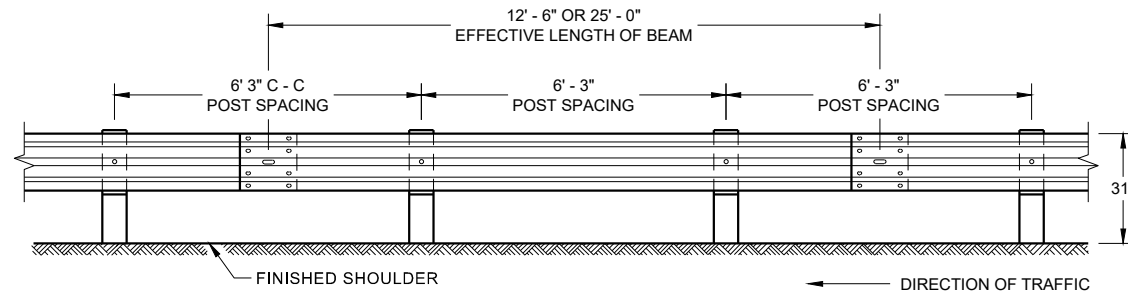
**STEEL POST & HOLE
PUNCHING DETAIL
(W 6 X 9) ①**



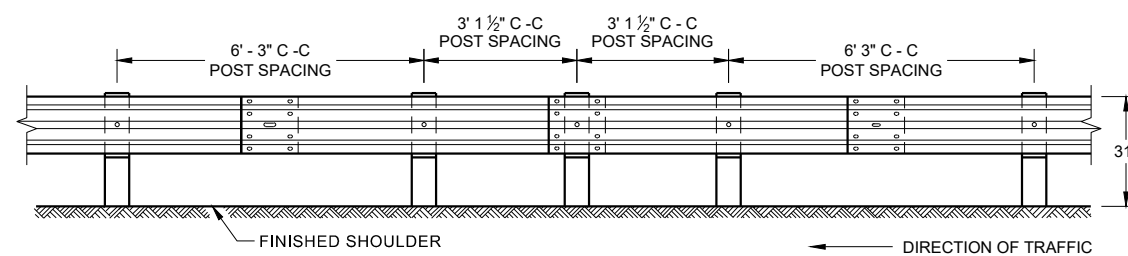
WOOD POST (6" X 8") NOMINAL ^①



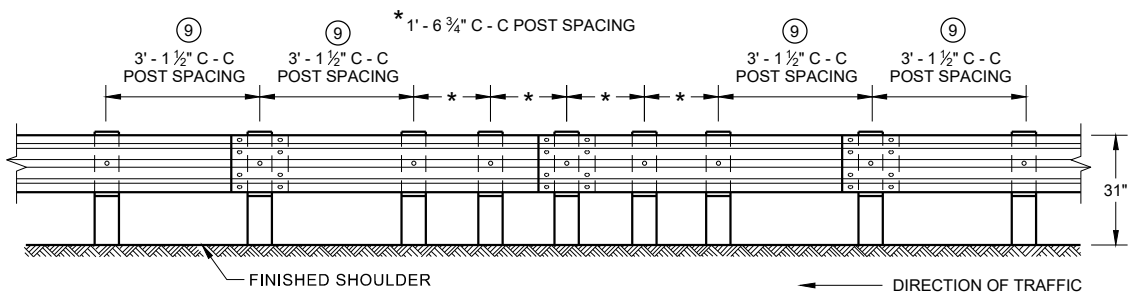
**WOOD OR PLASTIC
BLOCKOUT**



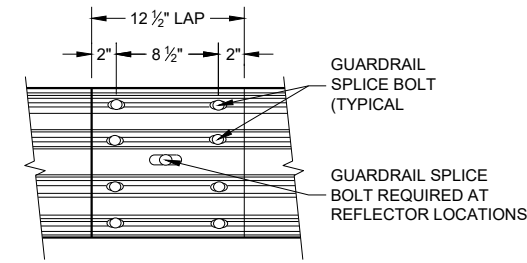
**FRONT VIEW
POST SPACING STANDARD INSTALLATION**



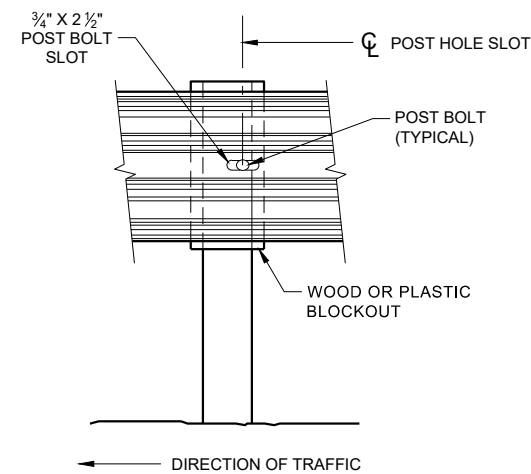
**FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)**



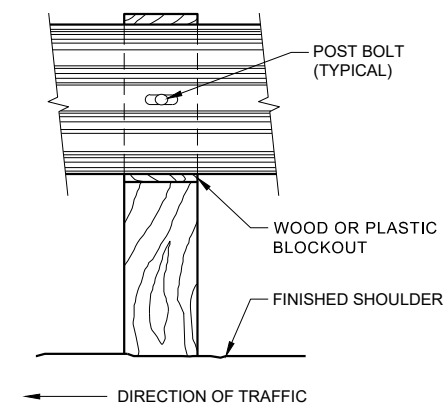
**FRONT VIEW
QUARTER POST SPACING (QS)**



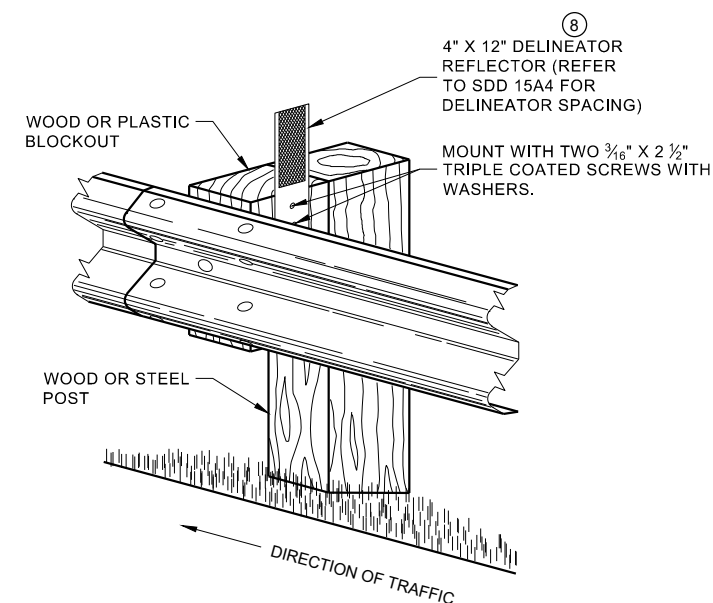
**FRONT VIEW
MID-SPAN BEAM SPLICE**



FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



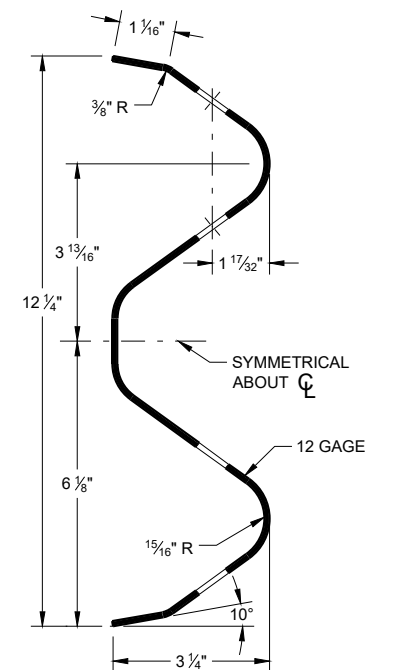
**ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION**

GENERAL NOTES

- 8 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- 9 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A 3/4" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 3/4" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 3/4" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

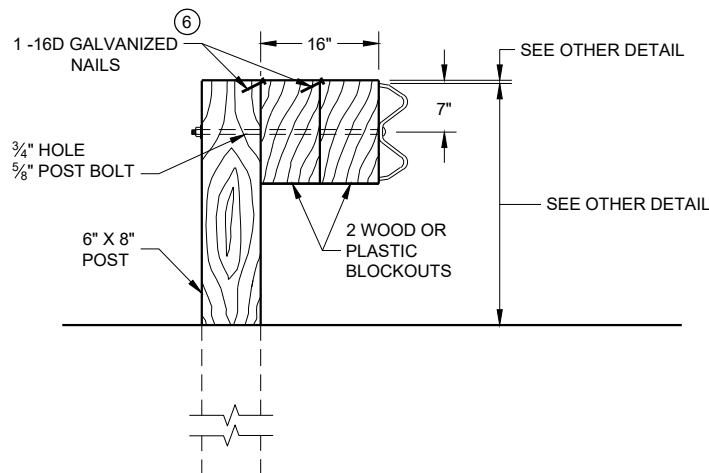
GUARD RAIL SPLICE BOLTS ARE A 3/4" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 3/4" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



SECTION THRU W-BEAM RAIL

**MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL**

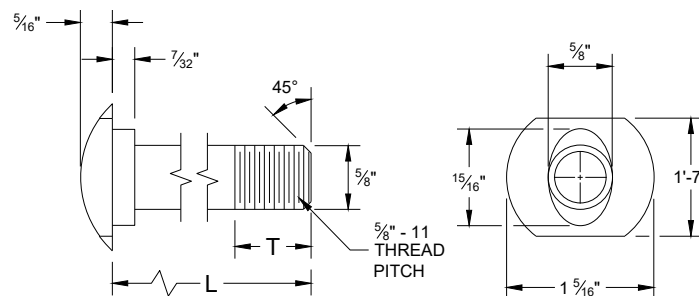
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 47



DETAIL FOR 16" BLOCKOUT DEPTH

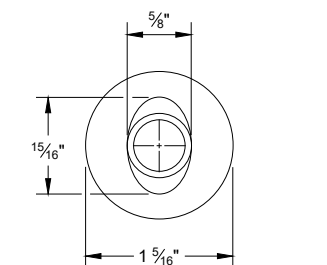
IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

- NOTE:
1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{3}{16}$ ".
 2. IF THE BOLT EXTENDS MORE THAN $\frac{1}{4}$ " FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

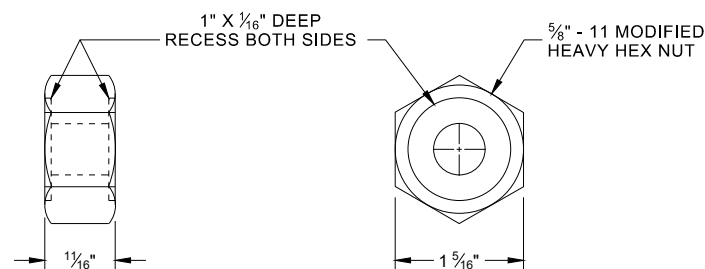


POST BOLT TABLE

L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"

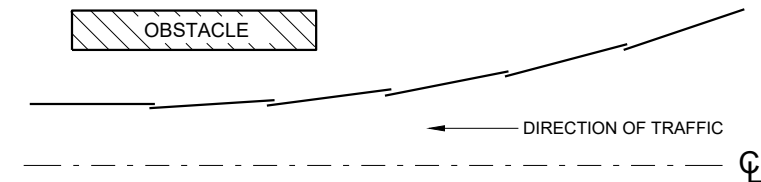


ALTERNATE BOLT HEAD

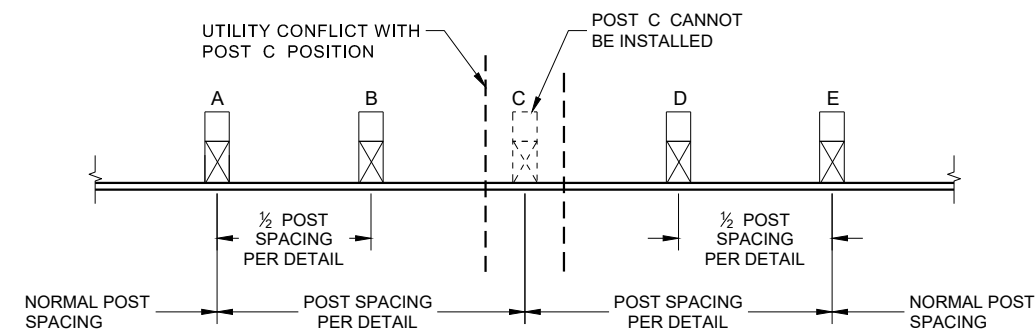


POST BOLT, SPLICE BOLT
AND RECESS NUT

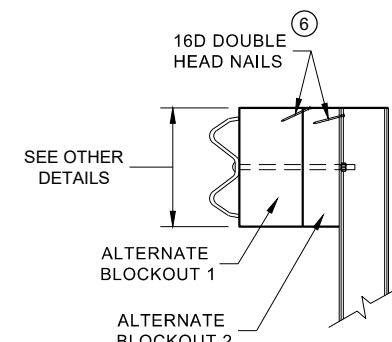
- 6 WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



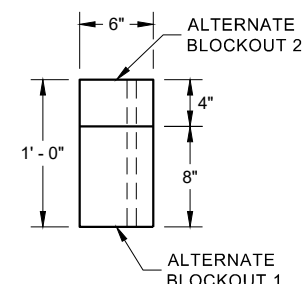
PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS
UNDERGROUND OBSTRUCTION



SIDE VIEW



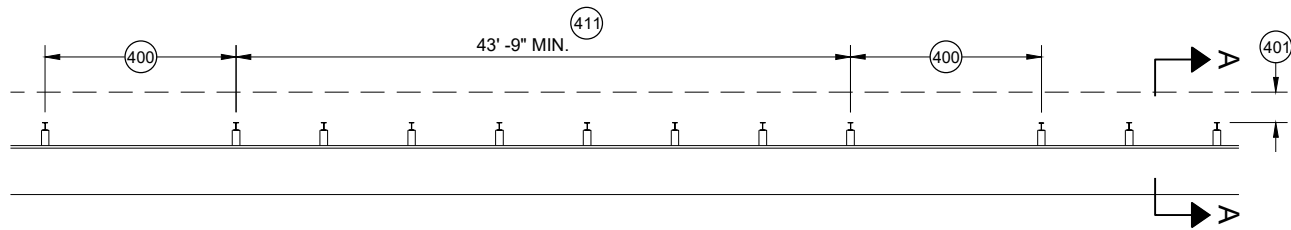
PLAN VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

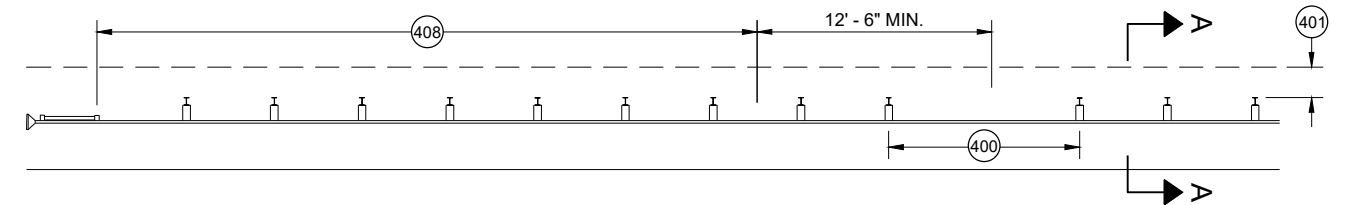
- NOTES:
- UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.
- DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

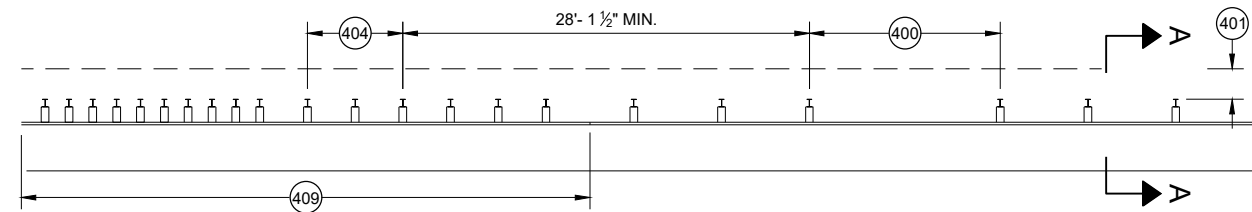
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



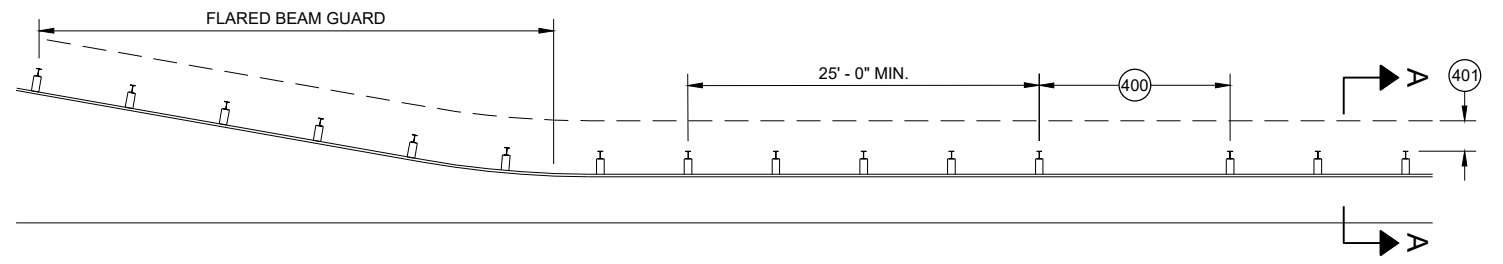
MISSING POST IN MGS GUARDRAIL



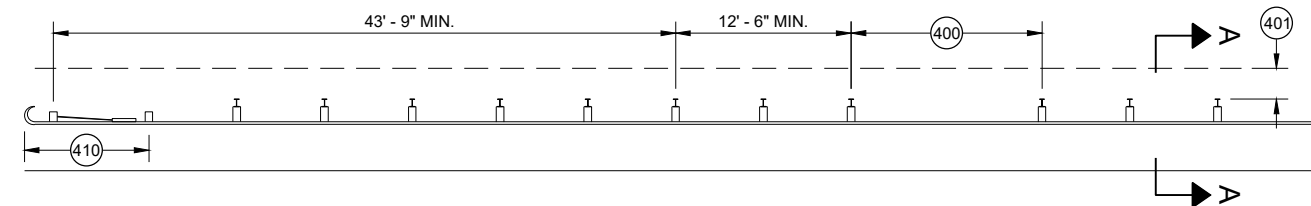
MISSING POST IN MGS GUARDRAIL NEAR EAT



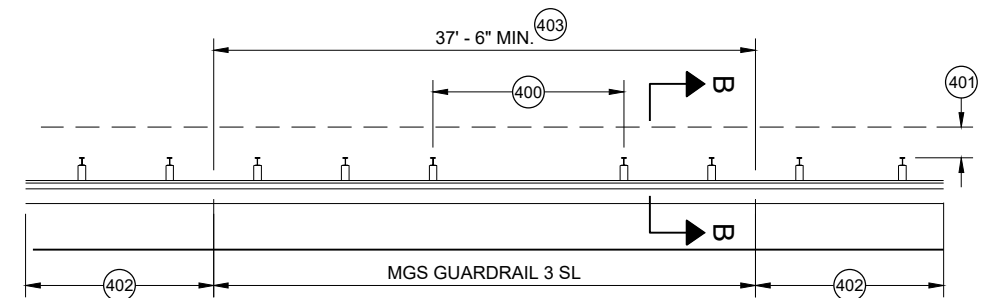
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

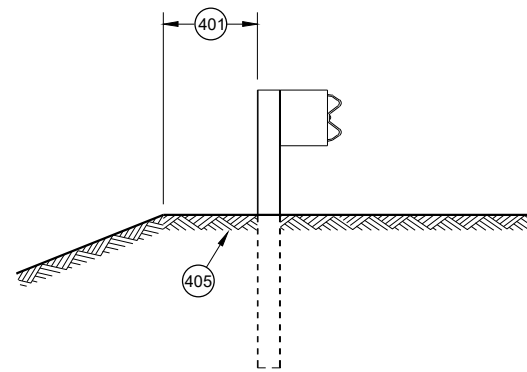


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

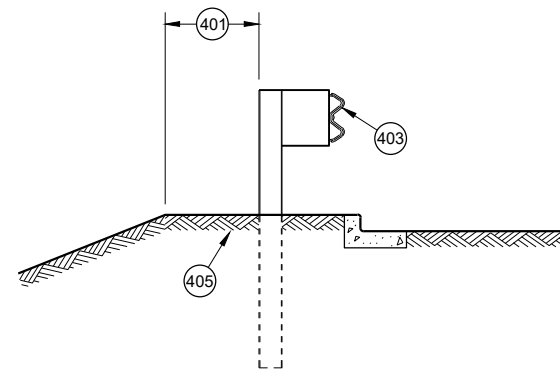


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL)

- (400) MAX SPAN 12' - 6"
- (401) 2' MIN.
- (402) MGS GUARDRAIL 3
- (403) NESTING BEAM GUARD
- (404) ASYMMETRIC TRANSITION
- (405) SOIL WELL DRAINED AND COMPACTED
- (406) SEE OTHER DRAWINGS IN THIS SDD
- (407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
- (408) SEE SDD 14B44
- (409) SEE SDD 14B45
- (410) SEE SDD 14B47
- (411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A



SECTION B - B

**MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR 49

FHWA

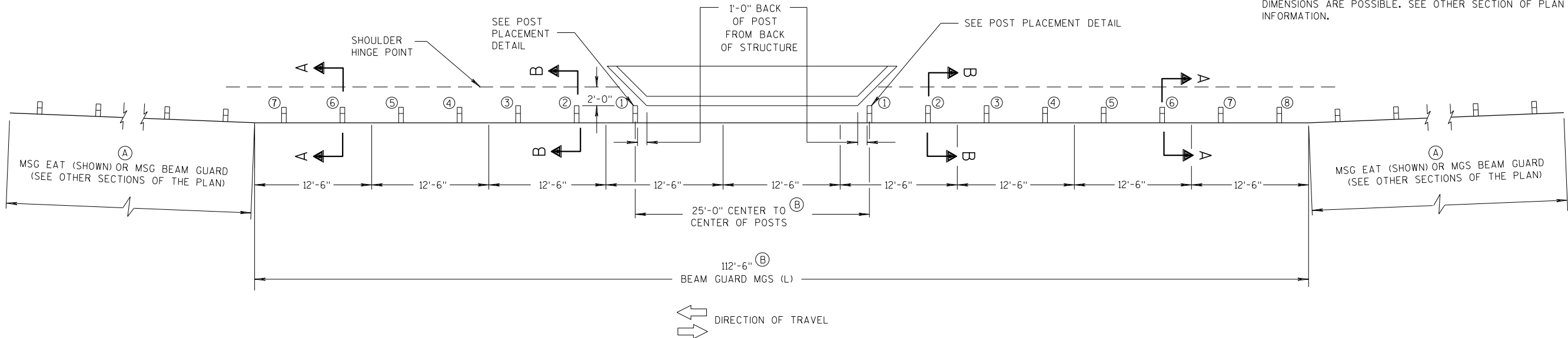
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

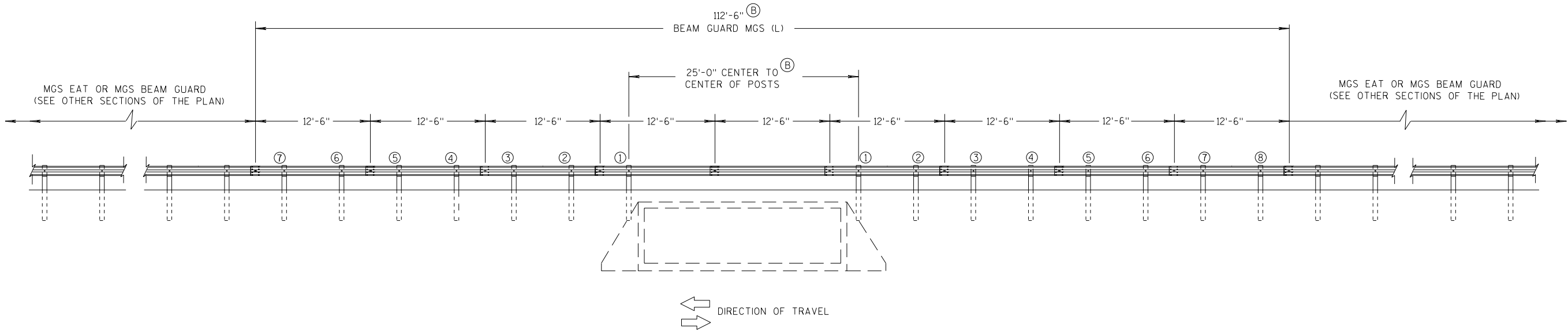
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN, IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

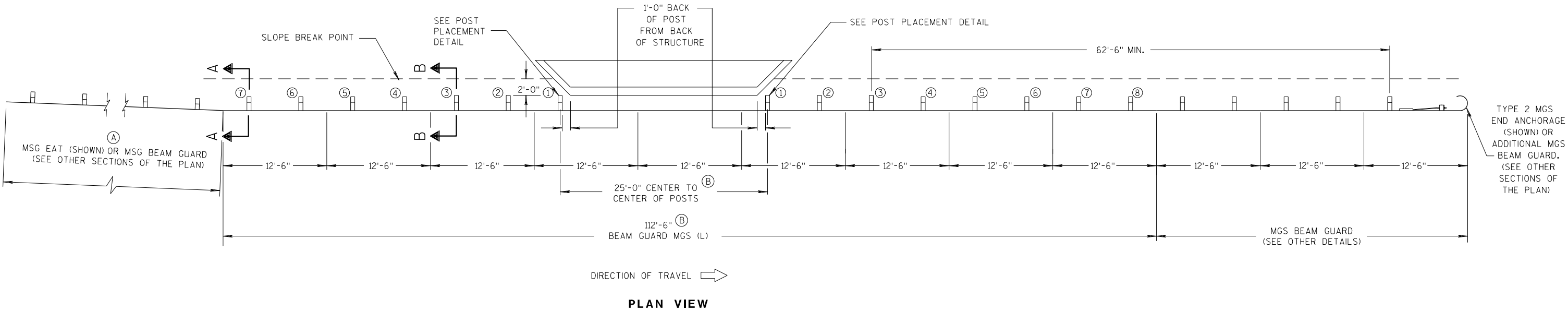
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

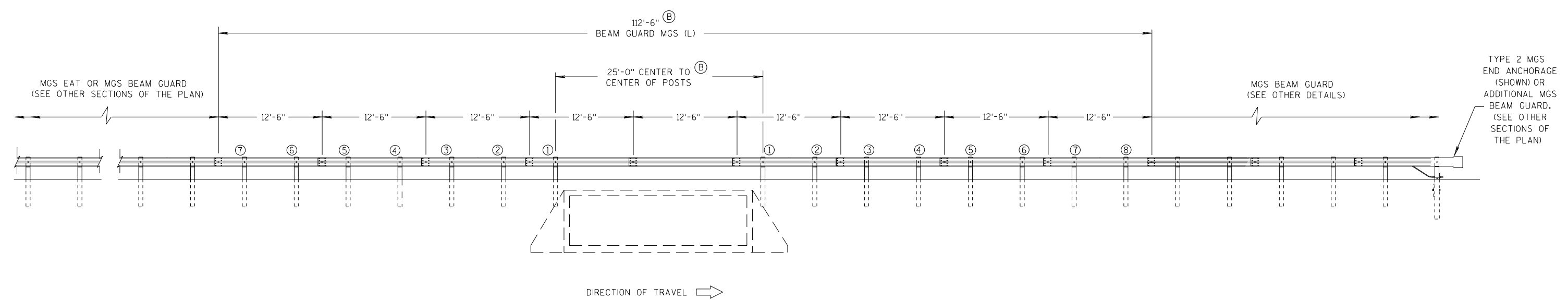
POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

SEE SDD 14 B 42 FOR MORE DETAILS.

- (A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.
- (B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW

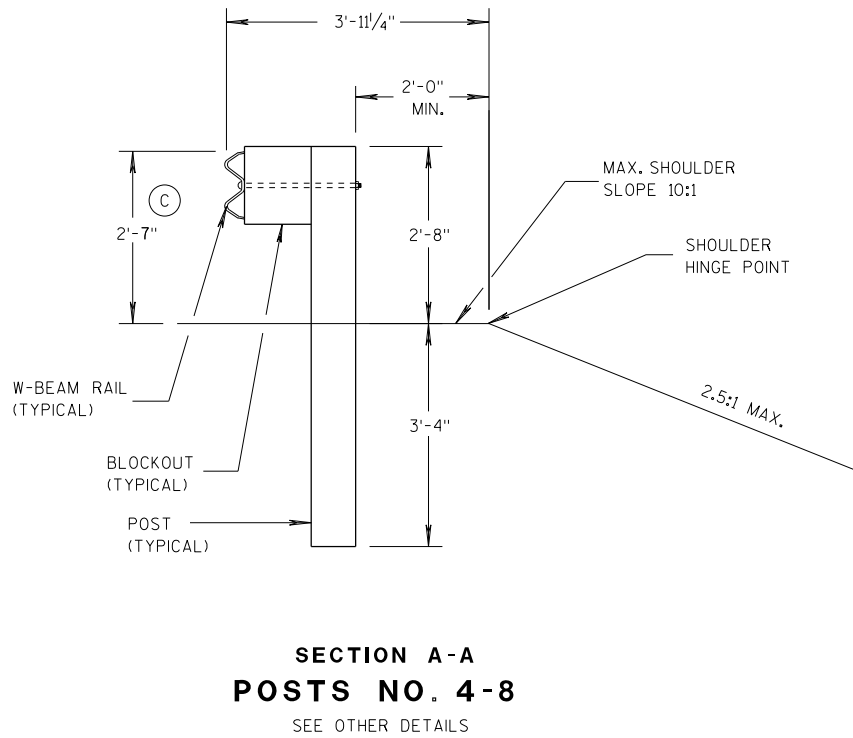
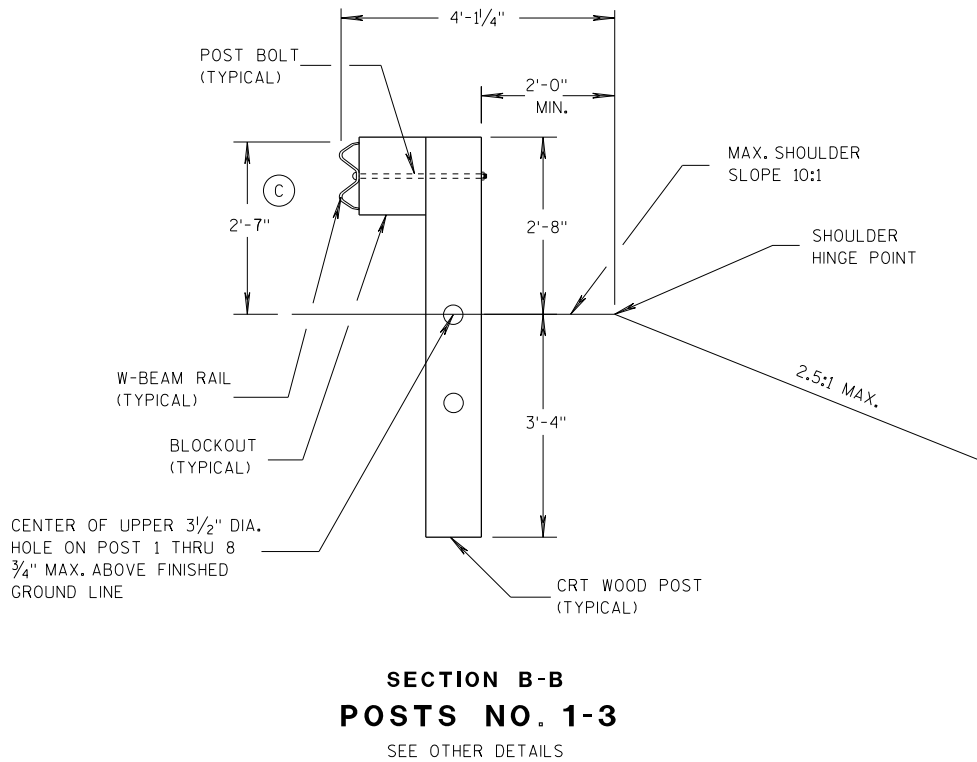
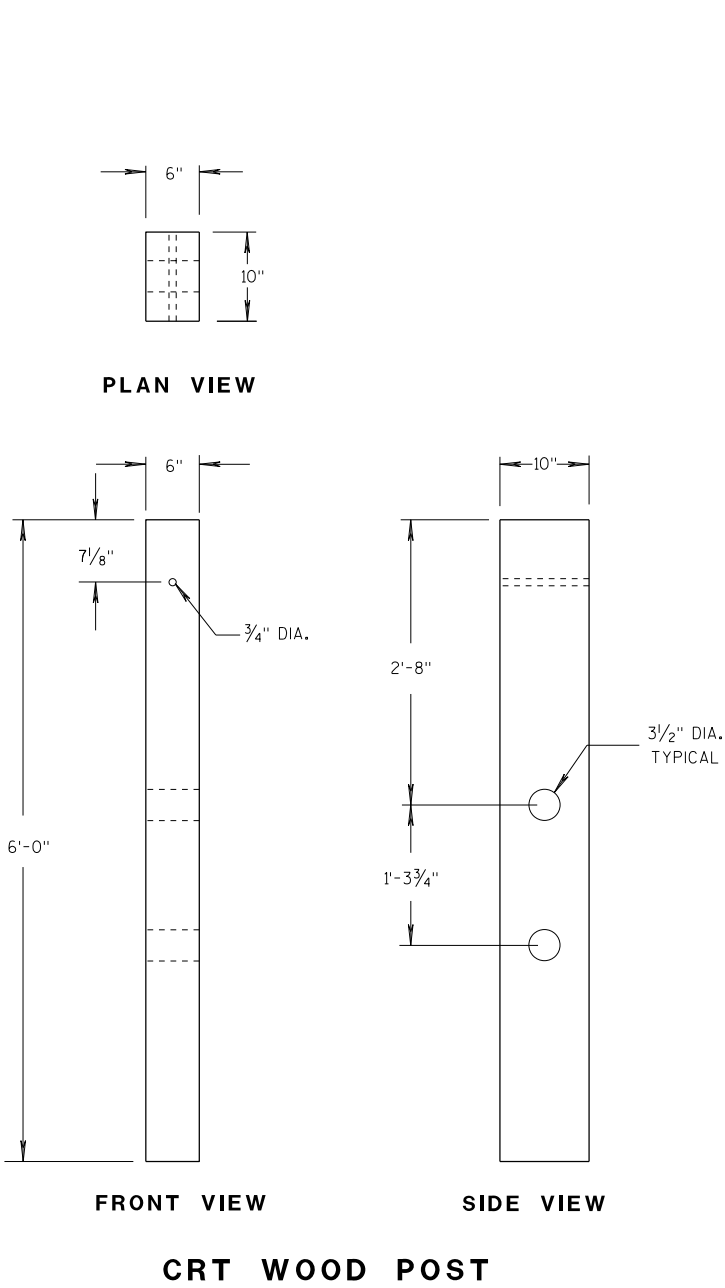


ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

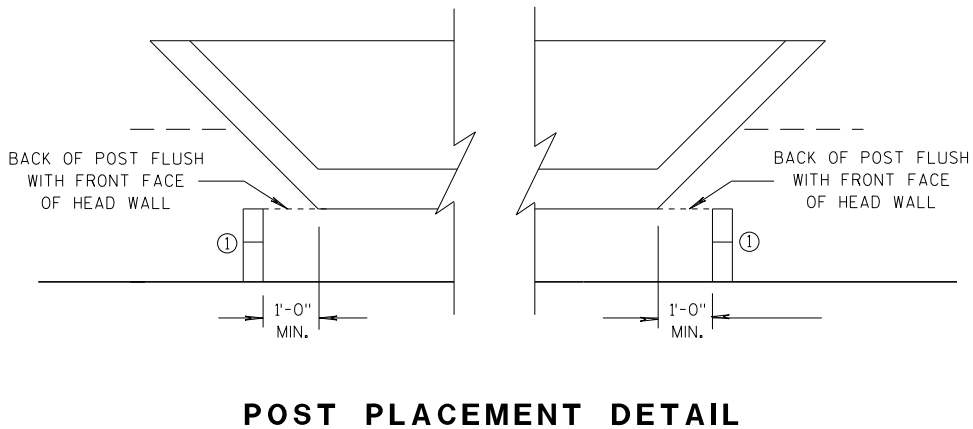
MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



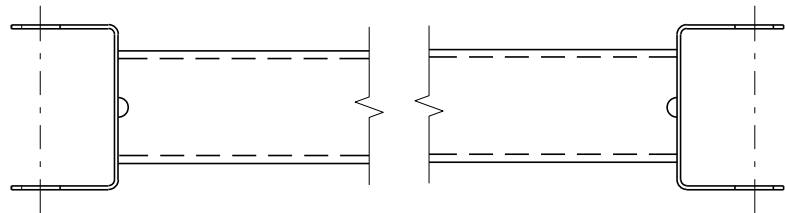
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED			
07/2018	/S/ Rodney Taylor		
DATE	ROADWAY STANDARDS	52	NT
FHWA	ENGINEER		

- A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED
- C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.
- D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.
- E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

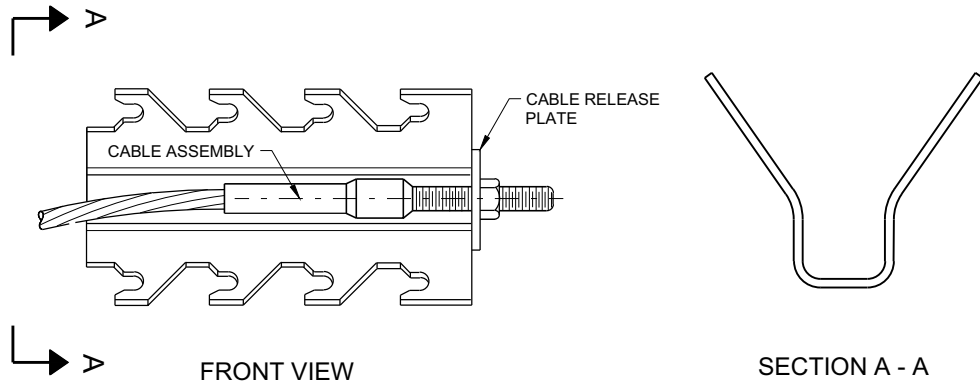
THE CENTER OF THE UPPER 3 1/2" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 53

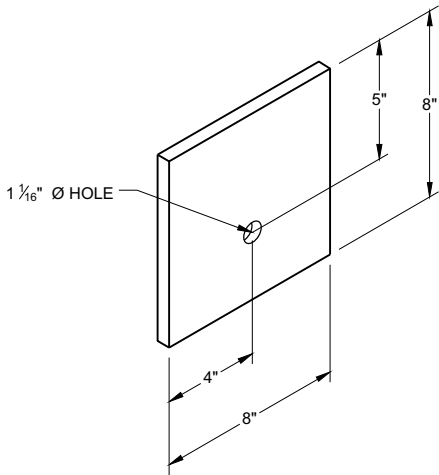


GENERIC GROUND STRUT⁹ ^E

BILL OF MATERIALS	
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



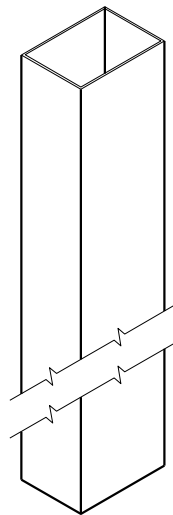
GENERIC ANCHOR CABLE BOX⁹ ^E



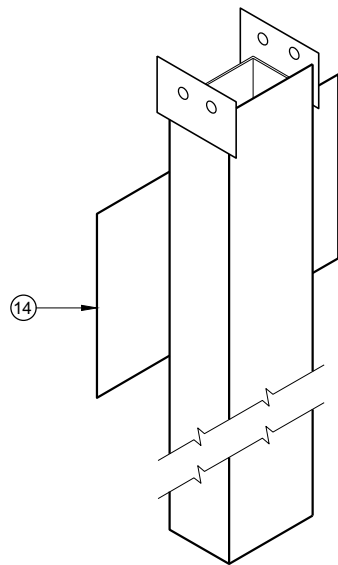
BEARING PLATE⁶ ^E

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

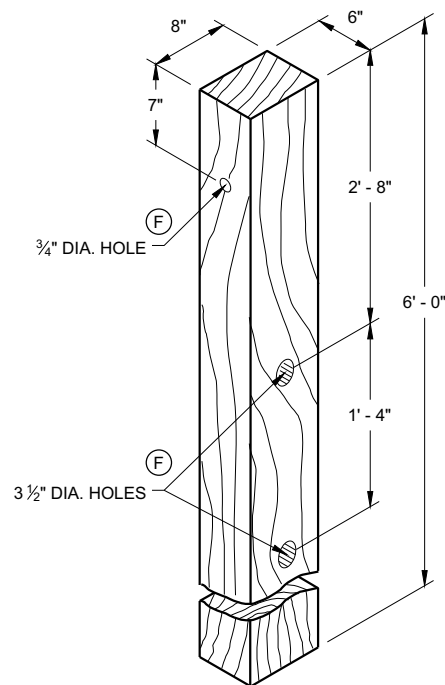
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



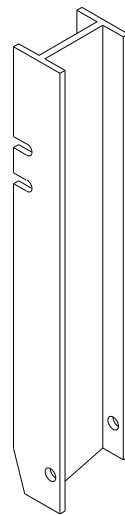
UPPER POST NO. 1 ⁽¹⁾ (E)



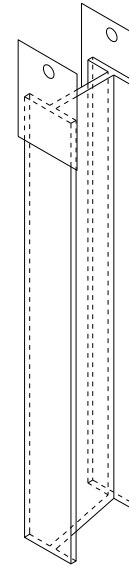
LOWER POST NO. 1 ⁽²⁾ (E)



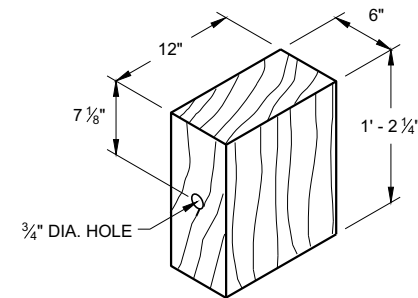
WOOD CRT POST ⁽³⁾ (E)
POSTS NUMBER 3-9



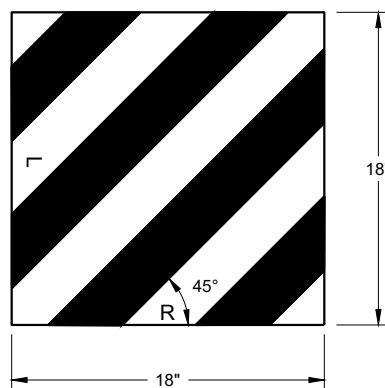
UPPER POST NO. 2 ⁽¹⁵⁾ (E)



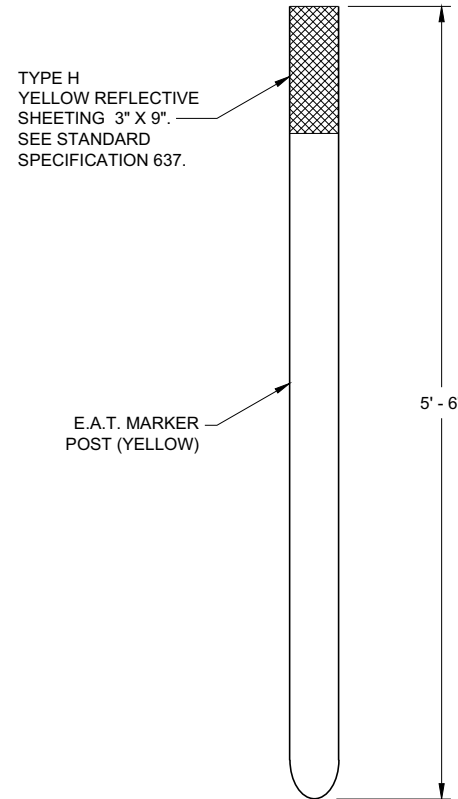
LOWER POST NO. 2 ⁽¹⁶⁾ (E)



WOOD BLOCKOUT ⁽⁴⁾
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



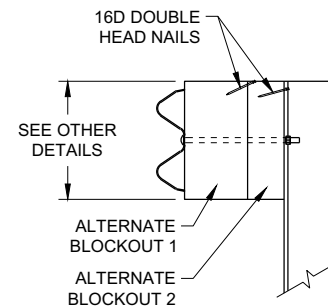
REFLECTIVE SHEETING DETAIL ^(E)



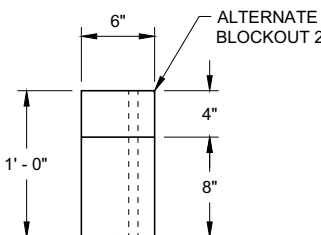
FRONT VIEW

SIDE VIEW

E.A.T. MARKER POST ⁽¹³⁾



SIDE VIEW



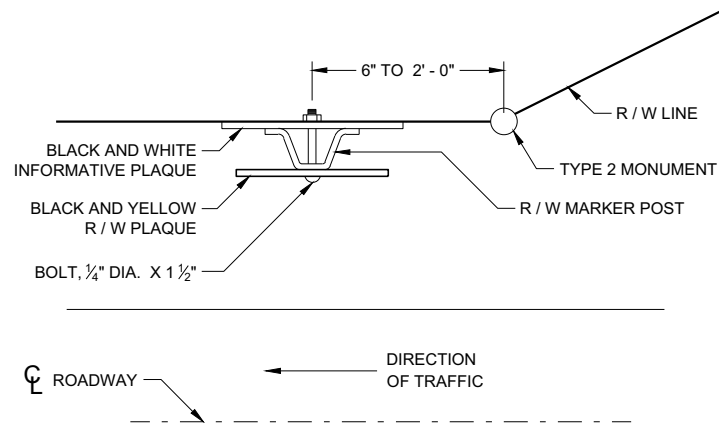
TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

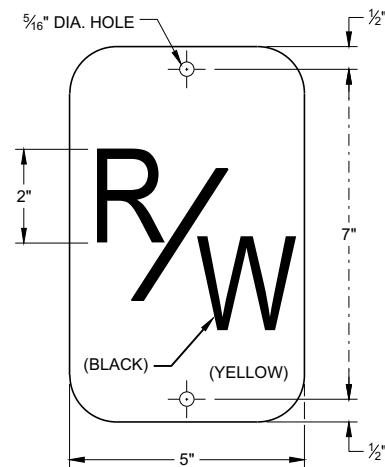
**MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE /S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

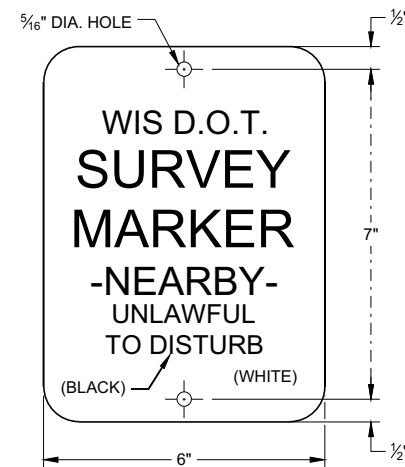


**PLAN VIEW
STEEL MARKER POST**



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

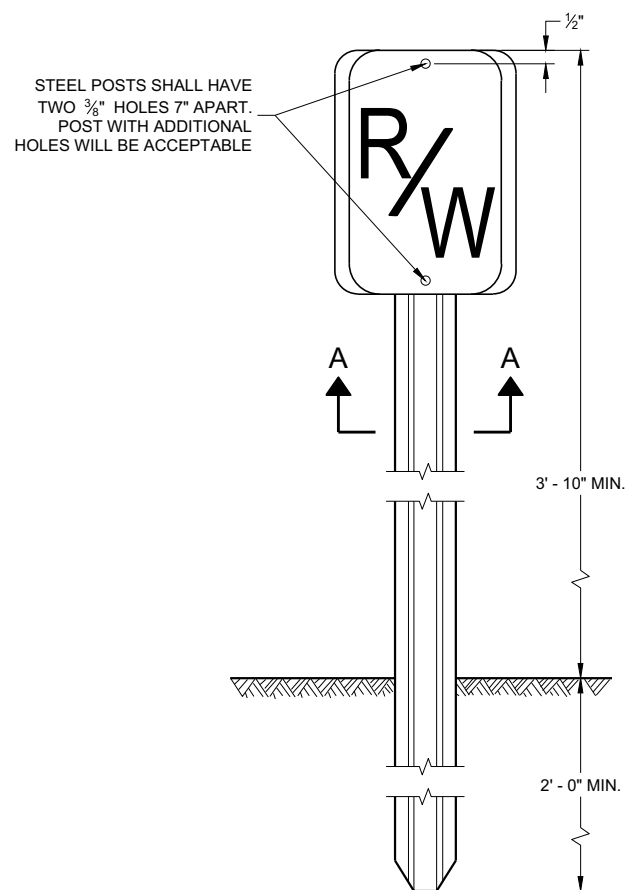
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

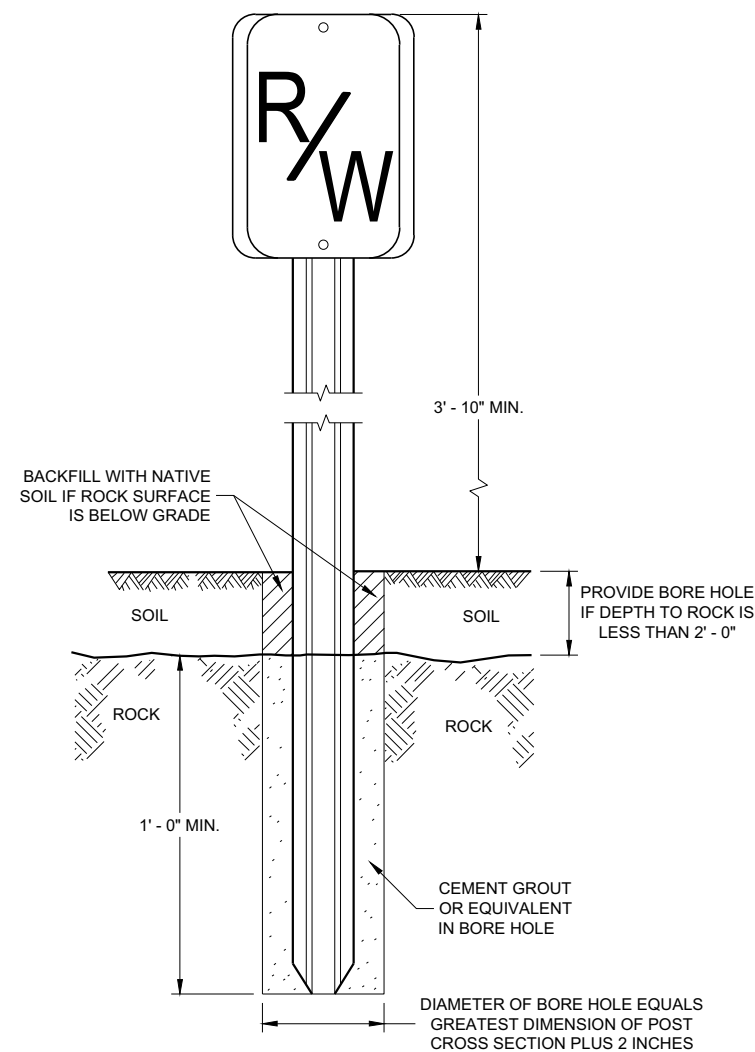
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFORMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

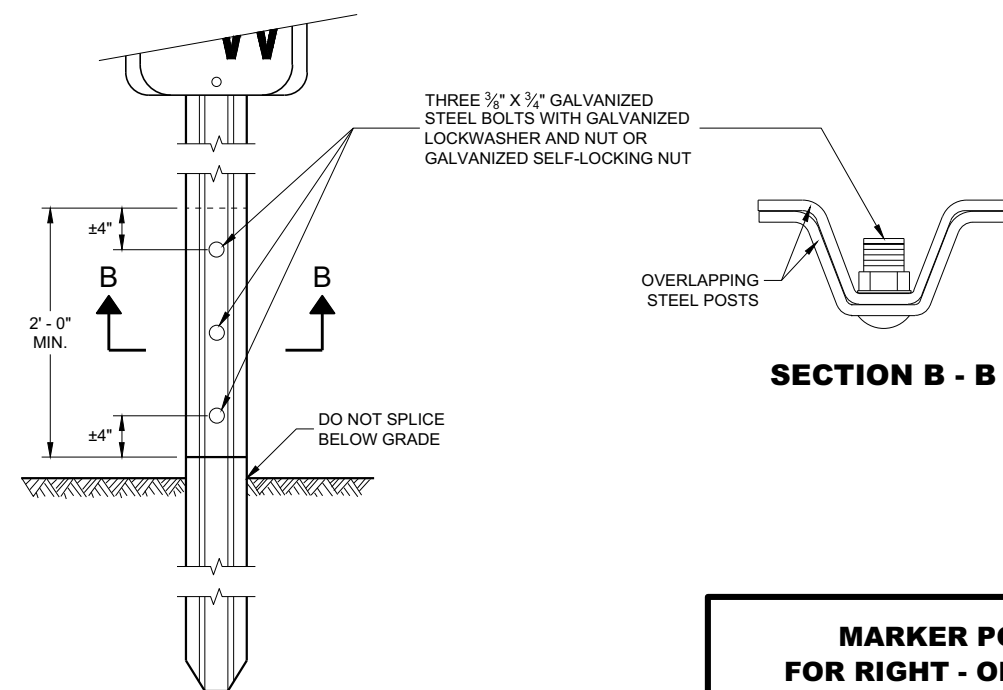
- ① IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



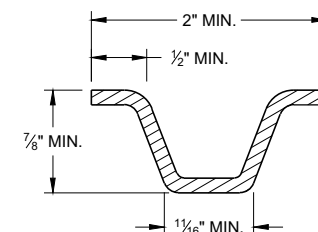
**FRONT VIEW
STEEL MARKER POST**



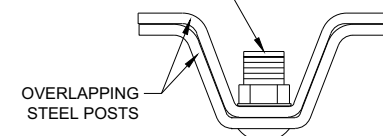
**FRONT VIEW
ROCK INSTALLATION ①**



**FRONT VIEW
SPLICE DETAIL**



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



SECTION B - B

MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016
DATE
/S/ Ray Kumapayi
CHIEF SURVEYING AND MAPPING ENGINEER
56
FHWA

GENERAL NOTES

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

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

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

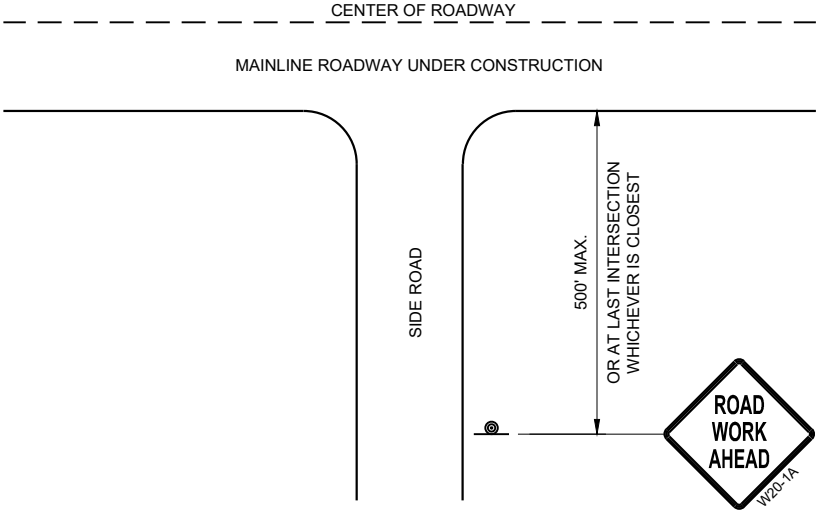
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

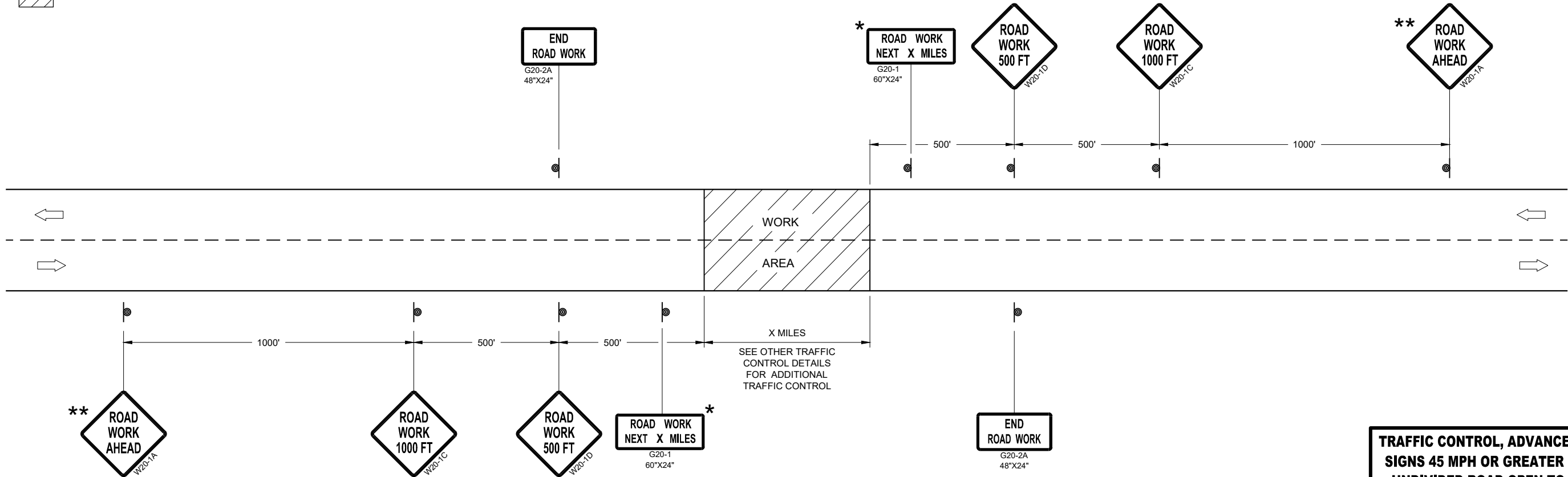
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- ** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA



TYPICAL SIDE ROAD APPROACH
WARNING SIGN DETAIL

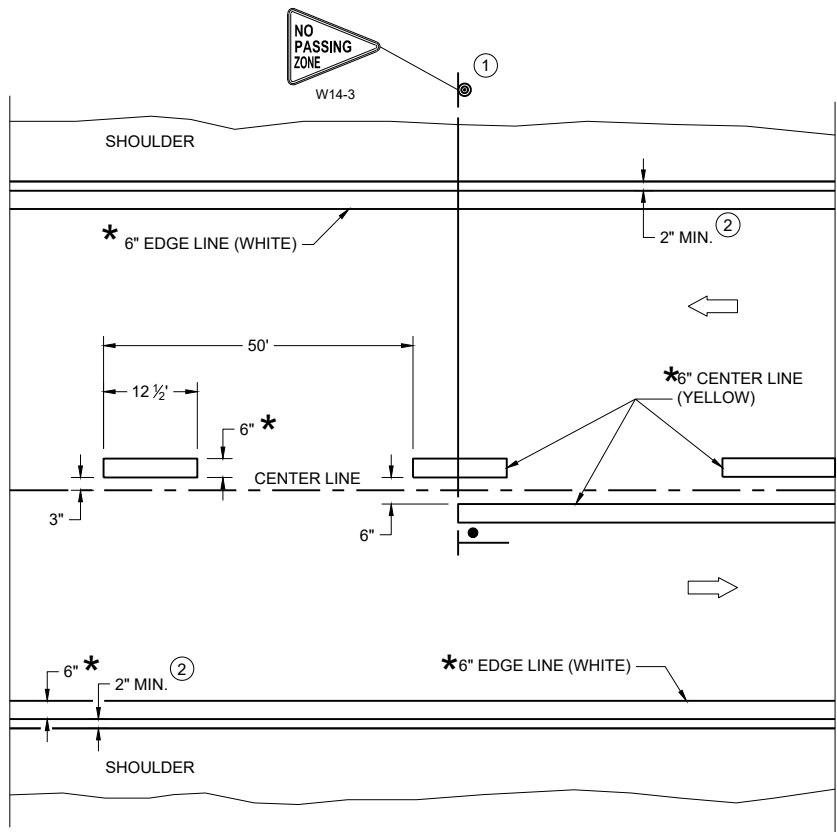


TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

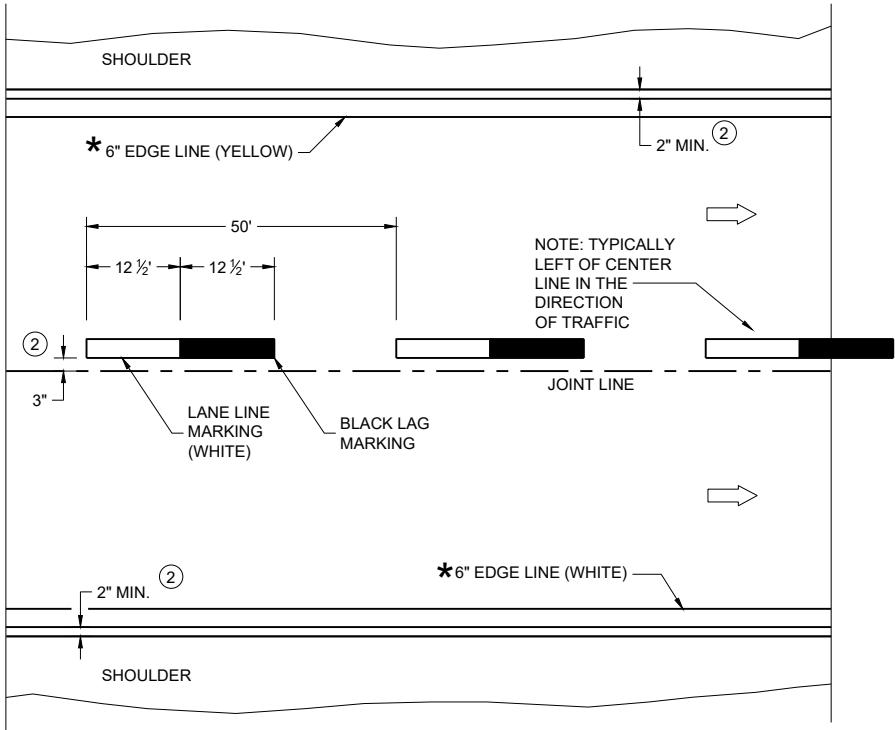
TRAFFIC CONTROL, ADVANCE WARNING
SIGNS 45 MPH OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 57
FHWA



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

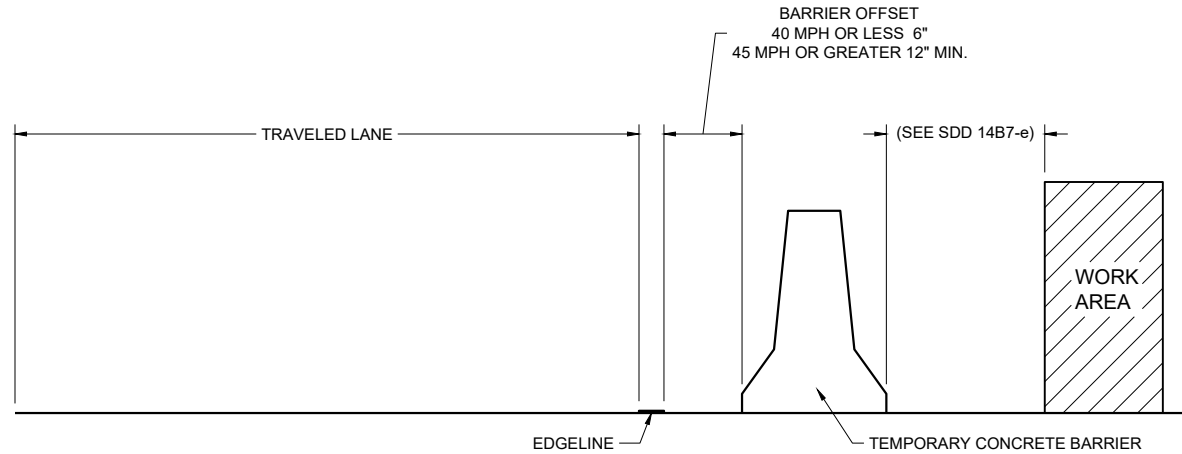
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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

LEGEND

- "T" MARKING
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL PAVEMENT MARKINGS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	58



TEMPORARY BARRIER OFFSET FROM EDGE LINE

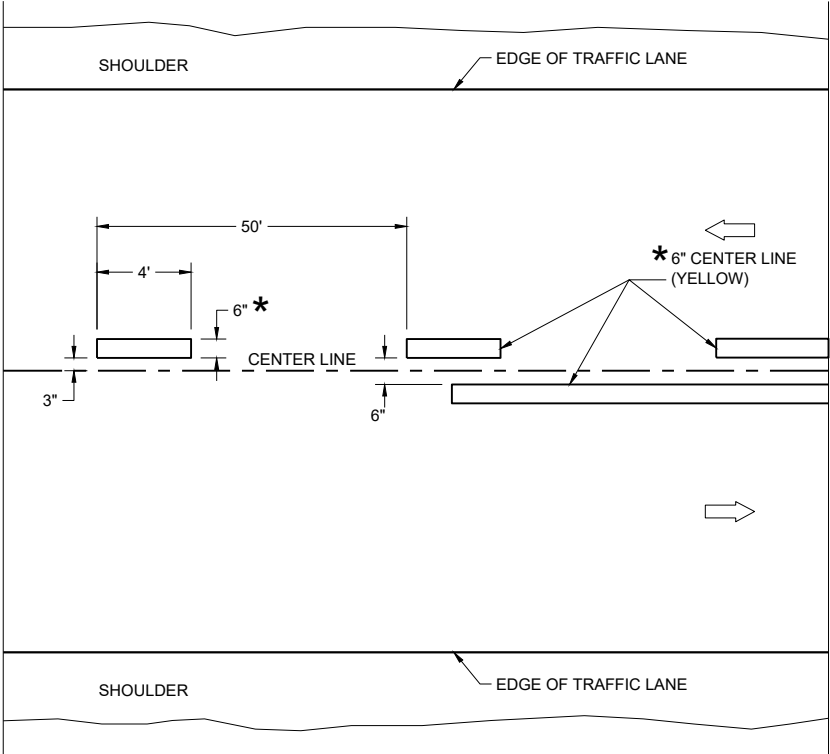
GENERAL NOTES

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

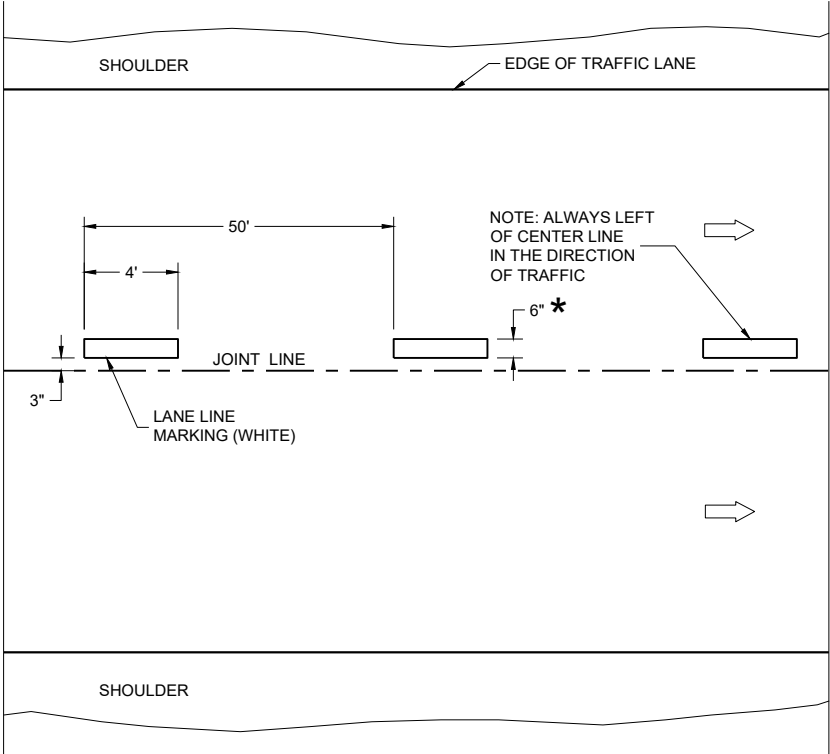
LEGEND

DIRECTION OF TRAFFIC

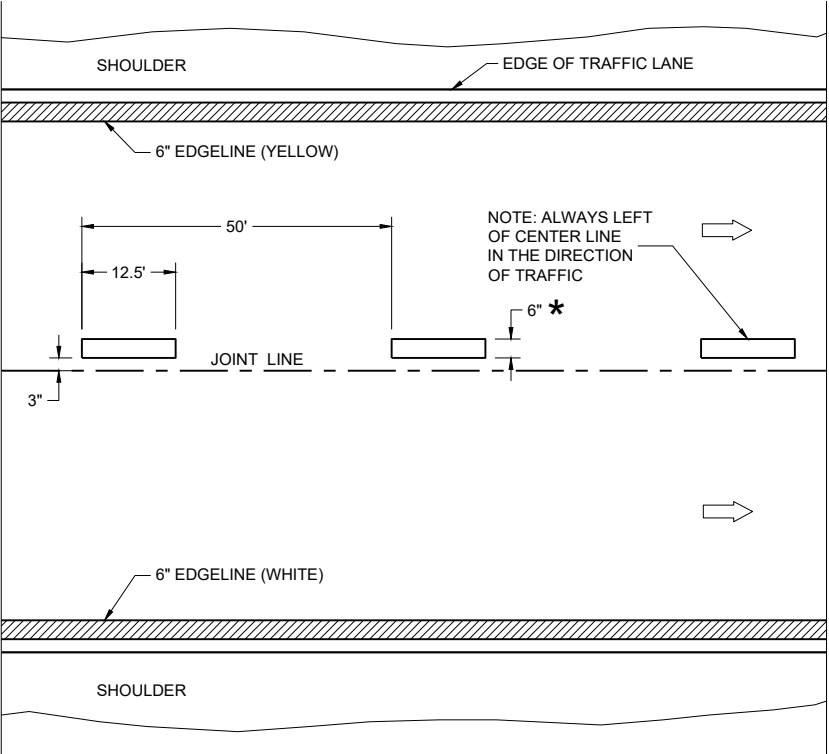
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	

LEGEND

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

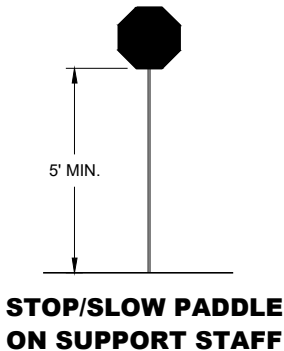
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

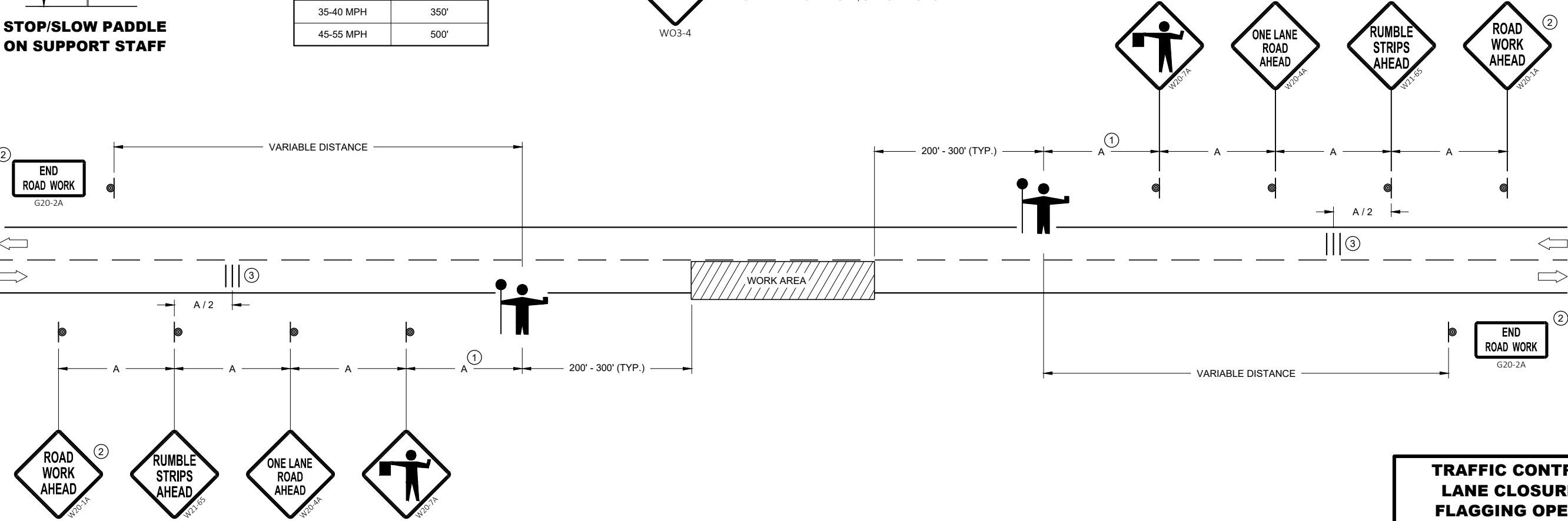


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".

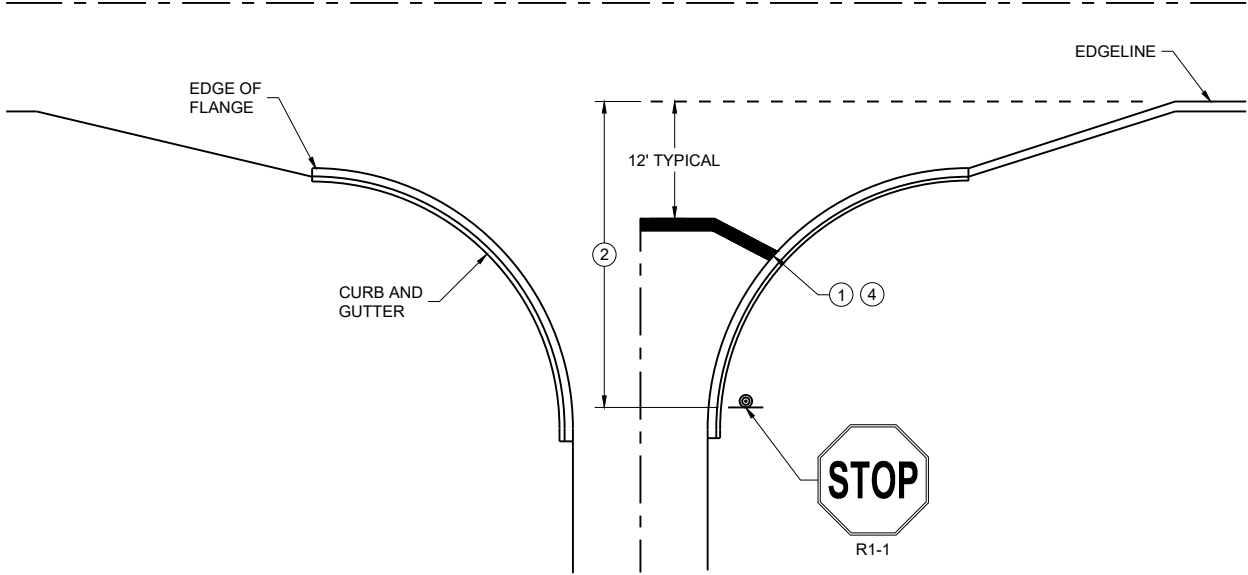


TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

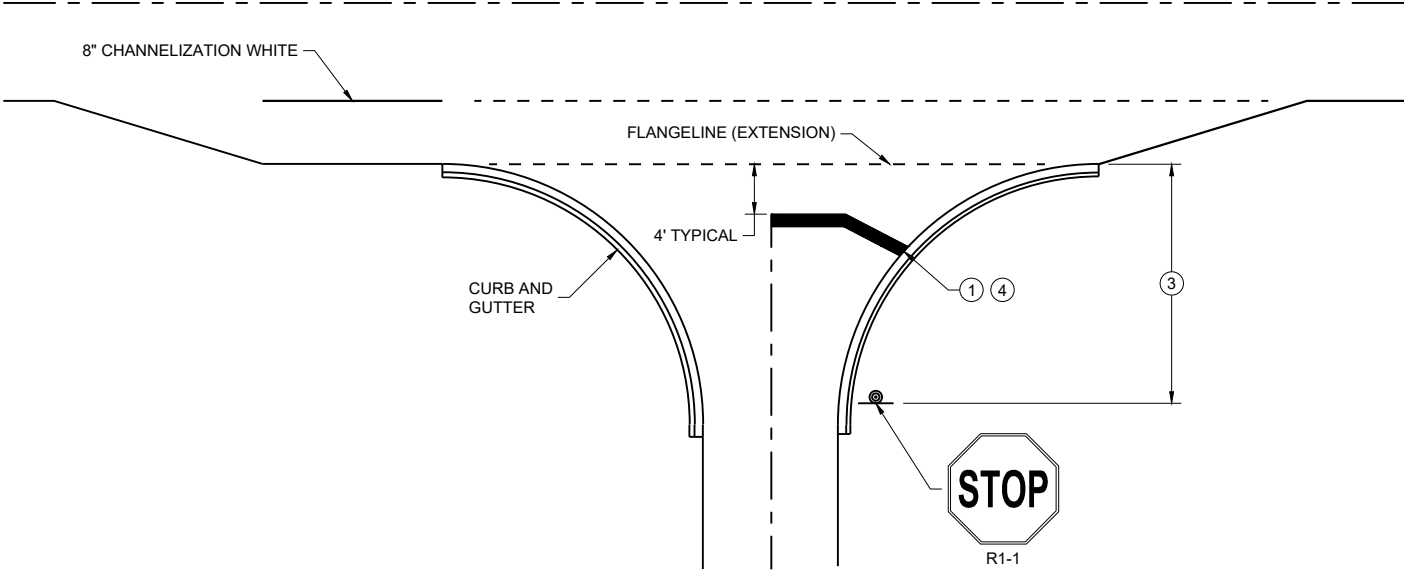
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 60

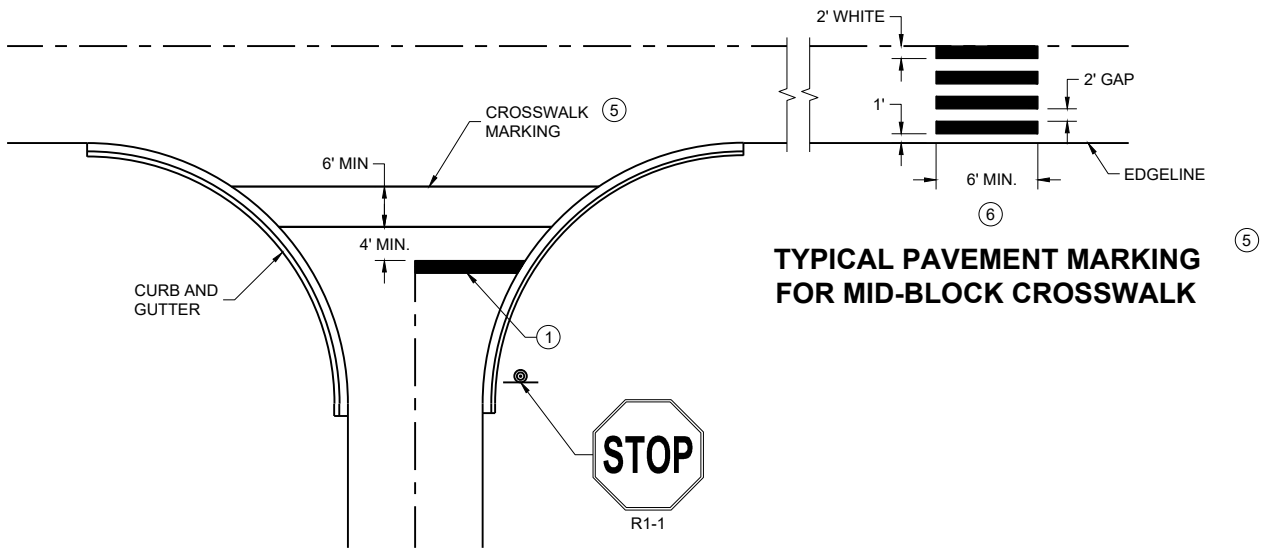
FHWA



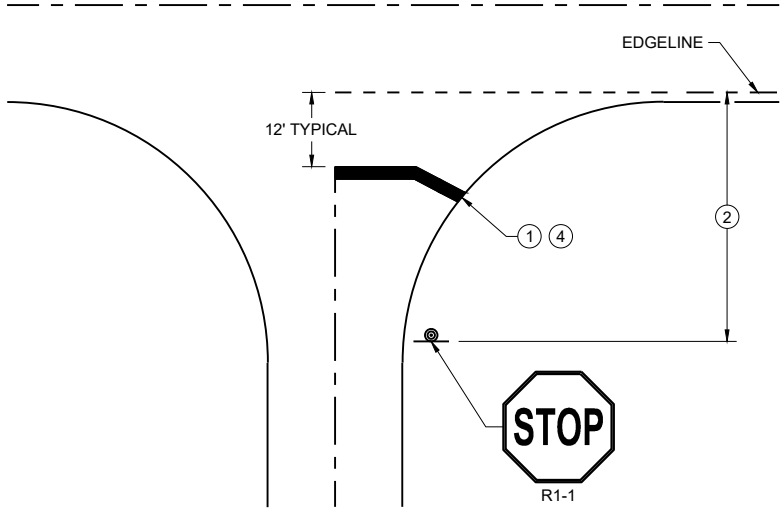
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
- ④ MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
- ⑤ LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
- ⑥ POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS

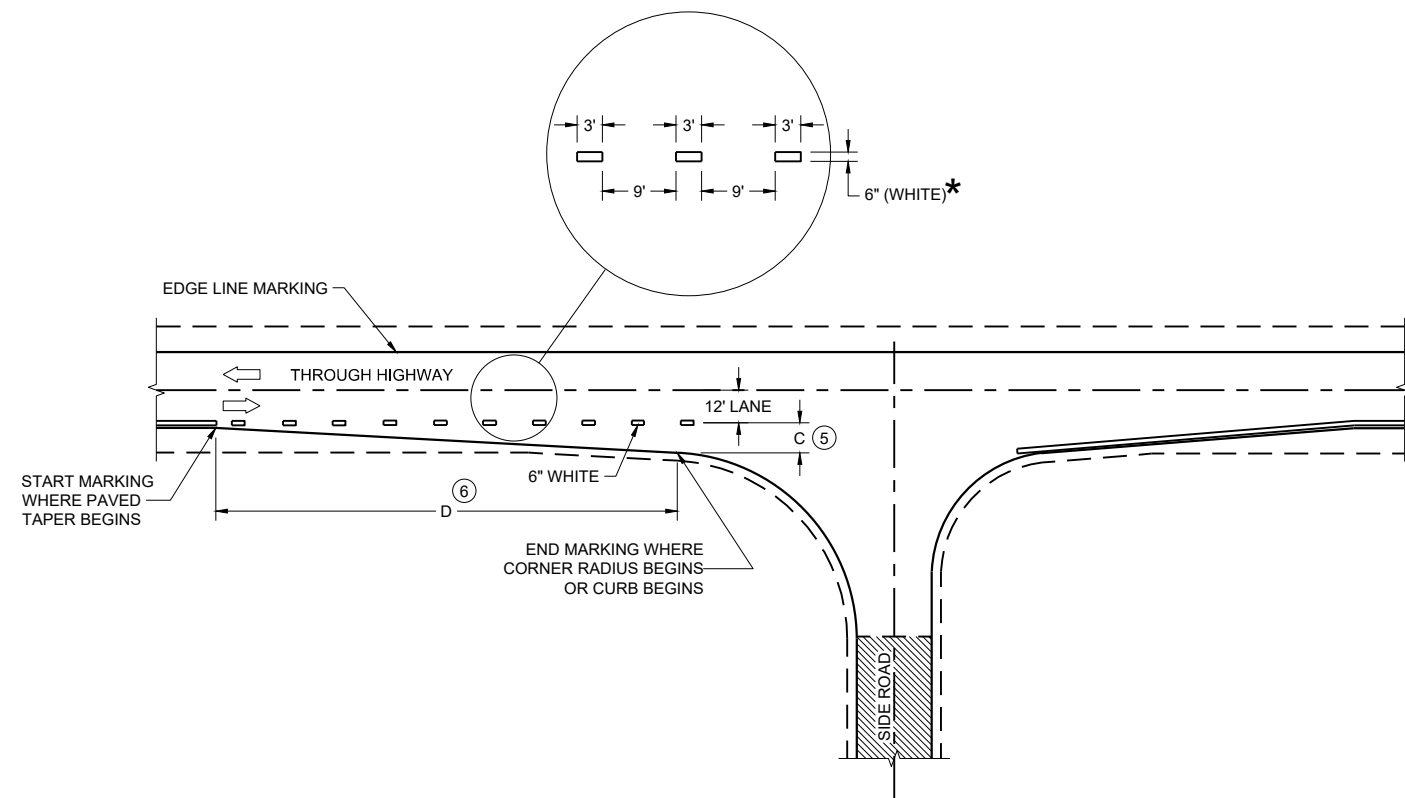
STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

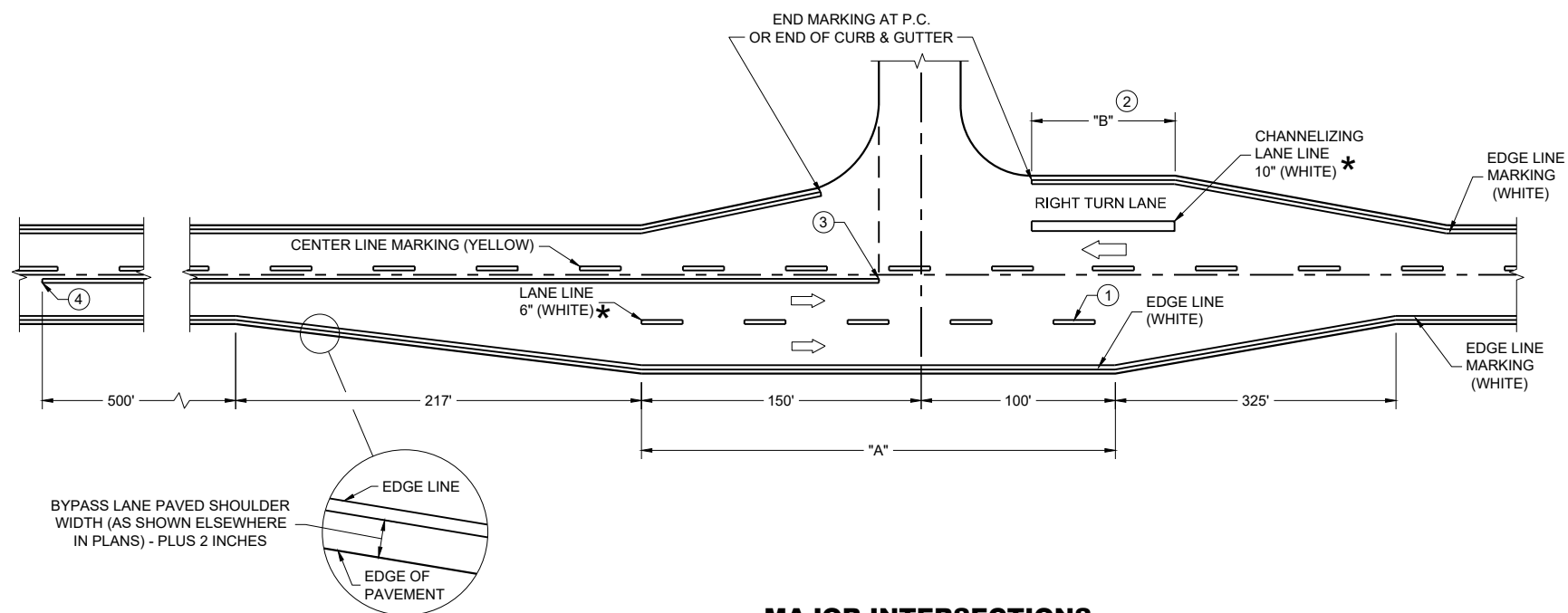
APPROVED
March 2024
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

FHWA



MINOR INTERSECTION



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

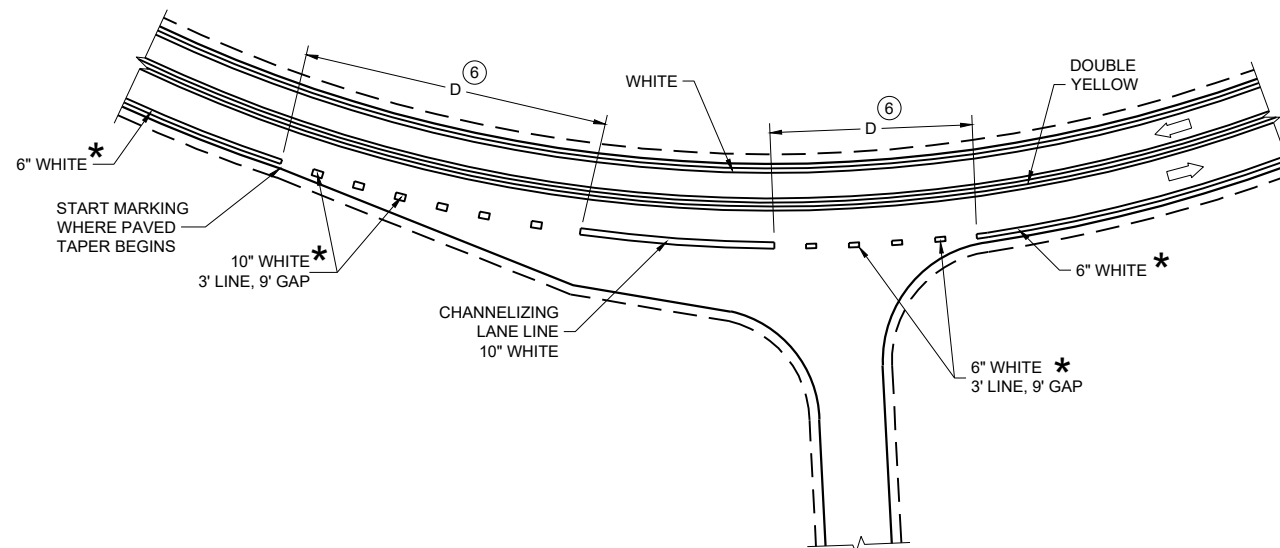
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑤ WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
- ⑥ WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

➡ DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  DIRECTION OF TRAFFIC
-  WORK ZONE

GENERAL NOTES

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

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

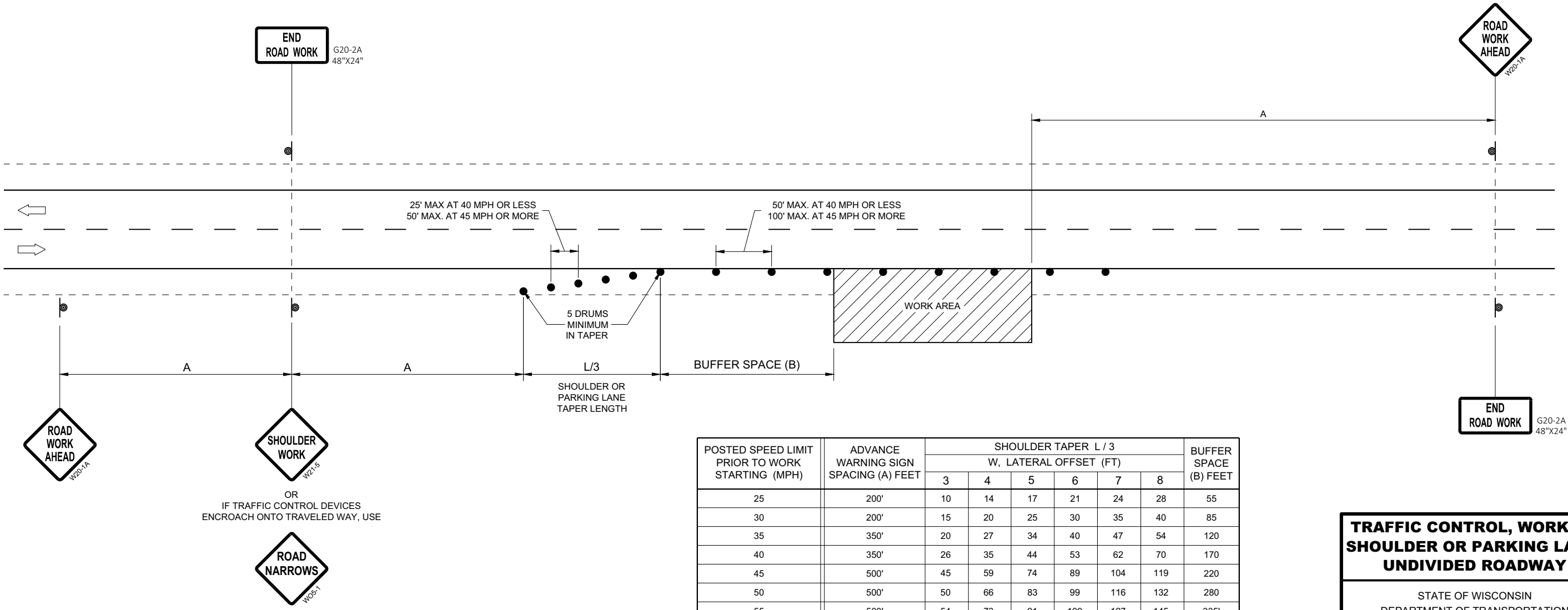
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

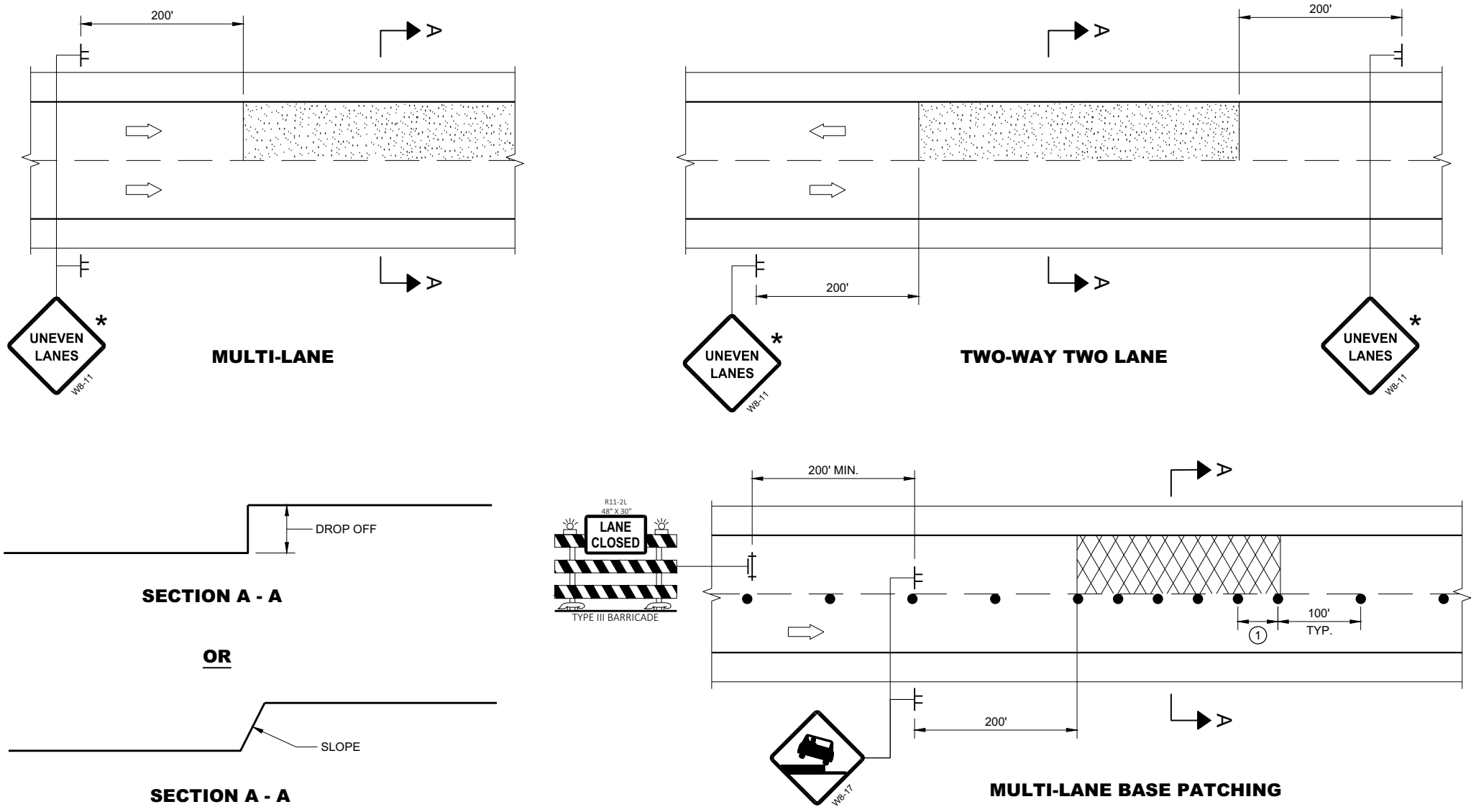


POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON
SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE T SAFETY ENGINEER 63
FHWA



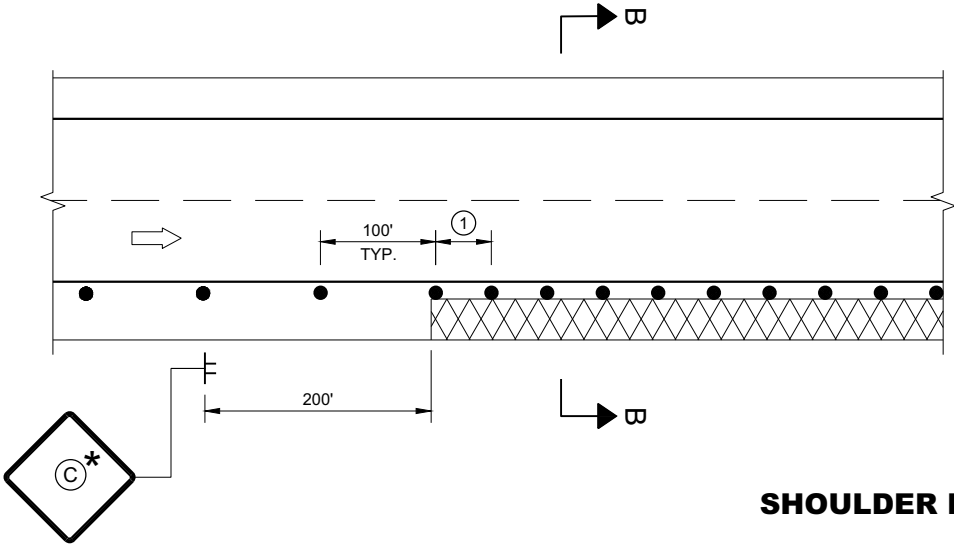
ADJACENT LANE DROP-OFFS

GENERAL NOTES

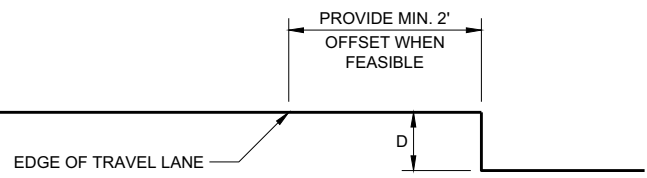
- FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.
- * IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.
- ① USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- ├ SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- ┆ TYPE III BARRICADE WITH ATTACHED SIGN
- ☀ TYPE "A" WARNING LIGHT (FLASHING)
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA WITH DROP-OFF
- ▤ MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF WB-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL,
DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 64
FHWA

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

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

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

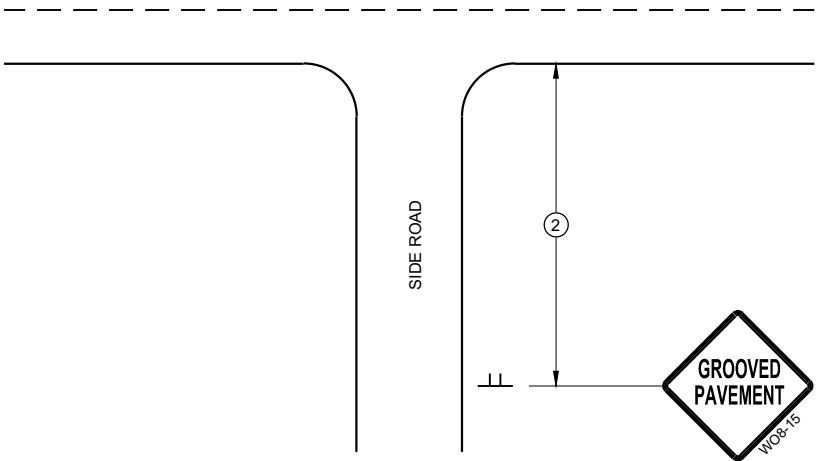
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

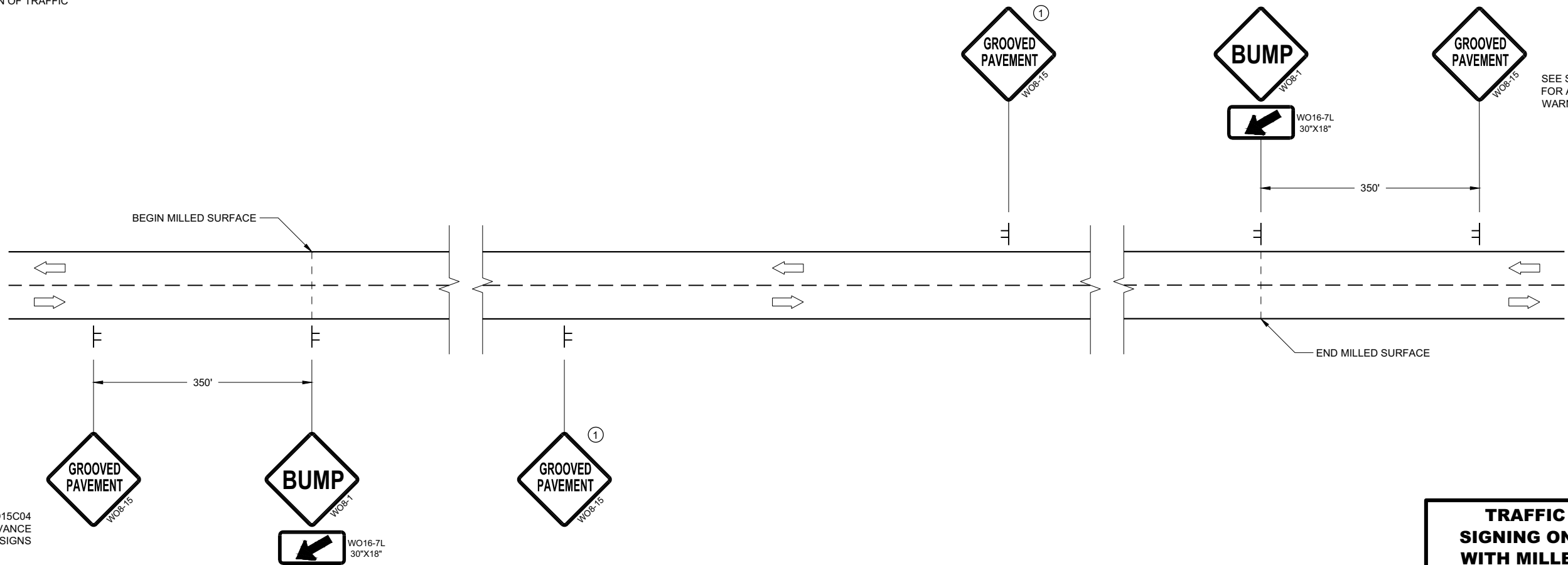
- ① PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- ② PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

LEGEND

-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH
SIGN DETAIL



SEE SDD15C04
FOR ADVANCE
WARNING SIGNS

SEE SDD15C04
FOR ADVANCE
WARNING SIGNS

DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL,
SIGNING ON ROADWAYS
WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 65

FHWA

JCT

INTERSTATE

00

J1-1

JCT

END

INTERSTATE

00

00

J1-2

JCT

JCT

END

INTERSTATE

00

00

COUNTY

0

J1-3

END

RUSTIC ROAD

JR1-1

NORTH

INTERSTATE

00

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J2-1

WEST

NORTH

INTERSTATE

00

00

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↑

J2-2

WEST

NORTH

EAST

INTERSTATE

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J2-3

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TO

EAST

INTERSTATE

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J32-1

TO

WEST

INTERSTATE

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J33-1

TO

INTERSTATE

00

↶

J22-1

TO

INTERSTATE

00

↶

J23-1

RUSTIC ROAD

↶

JR13-1

TO

RUSTIC ROAD

↶

JR23-1

RUSTIC ROAD

R 120

NEXT 2 MILES

JR99-1

FRONTAGE ROAD

↷

J12-1

COUNTY

0

↶

J13-1

JV

(Typical Vertical J-Assembly
See Note 10 and 11)

JH-1

Blue Background

Black

WEST

NORTH

EAST

INTERSTATE

00

00

00

↶

↑

→

blue background with interstate

blue

white

black

white

blue

black

white

black background

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

NOTES

1. Signs are Type II - Type H Reflective

2. Color:
Background - Black Non-reflective
Message - see Note 4

3. Message Series - See Note 4

4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.

5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.

6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.

7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.

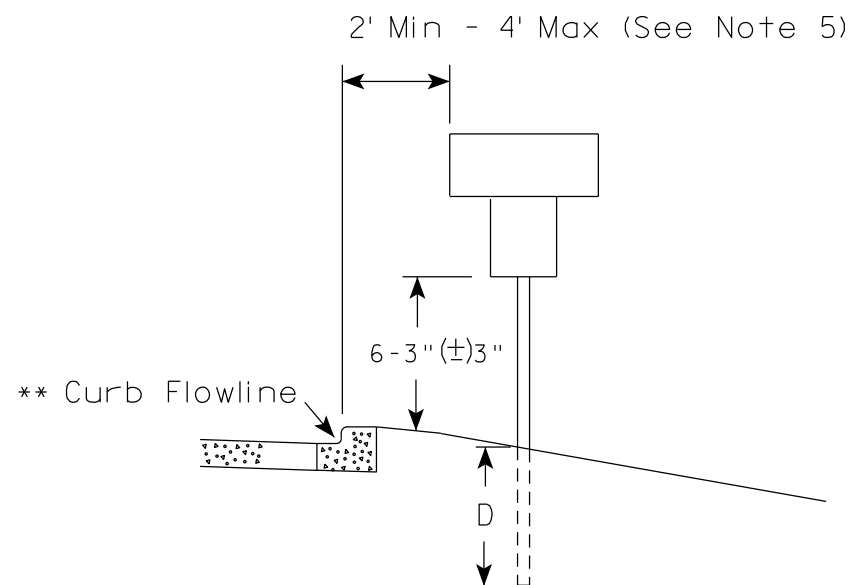
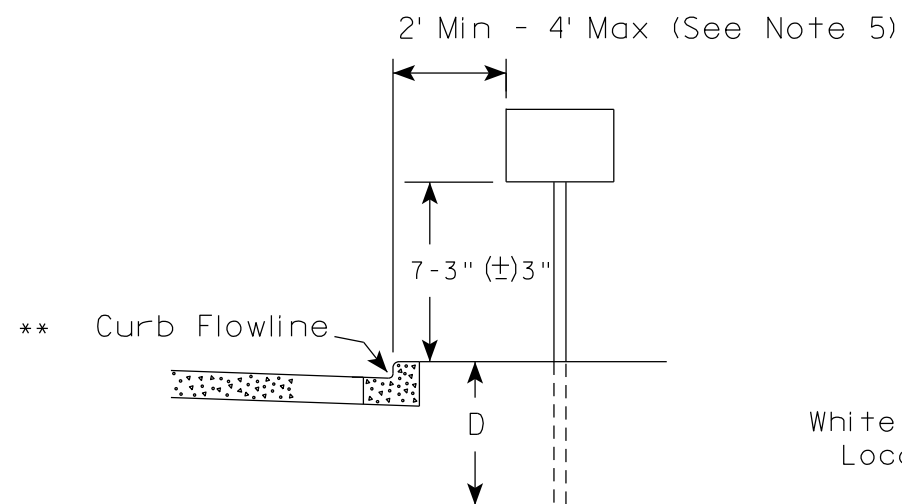
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.

9. All Vertical J Assemblies are given a Sign Code of JV

10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.

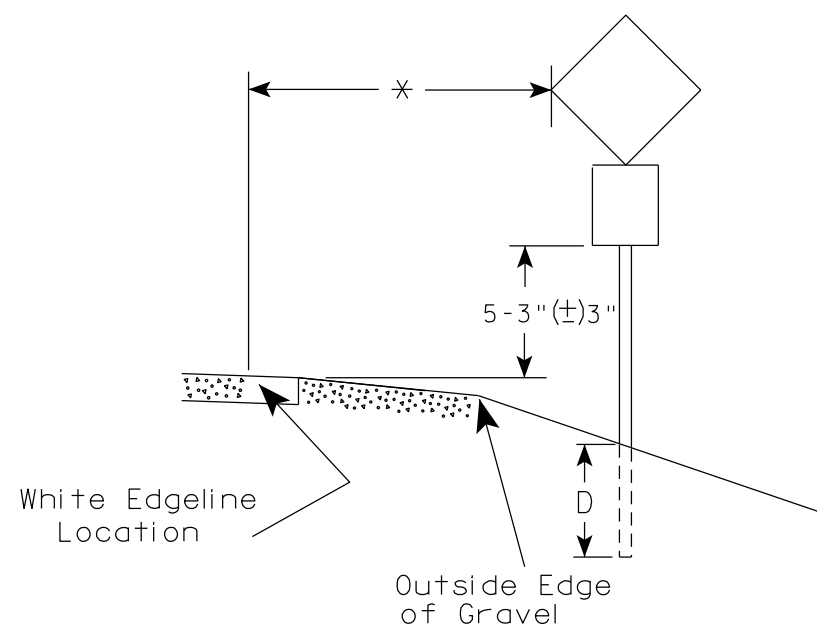
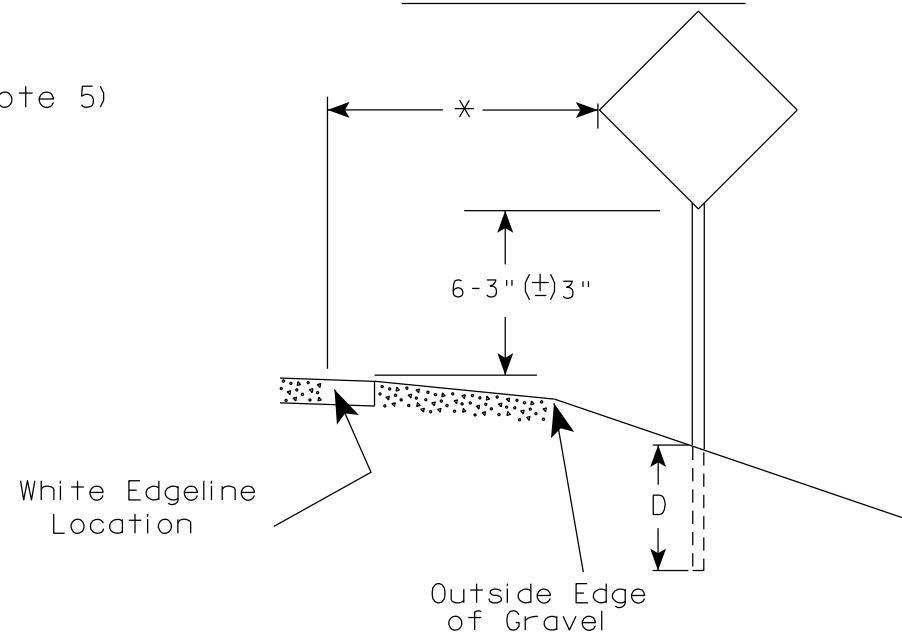
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.

URBAN AREA



* * 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.

RURAL AREA (See Note 2)



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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

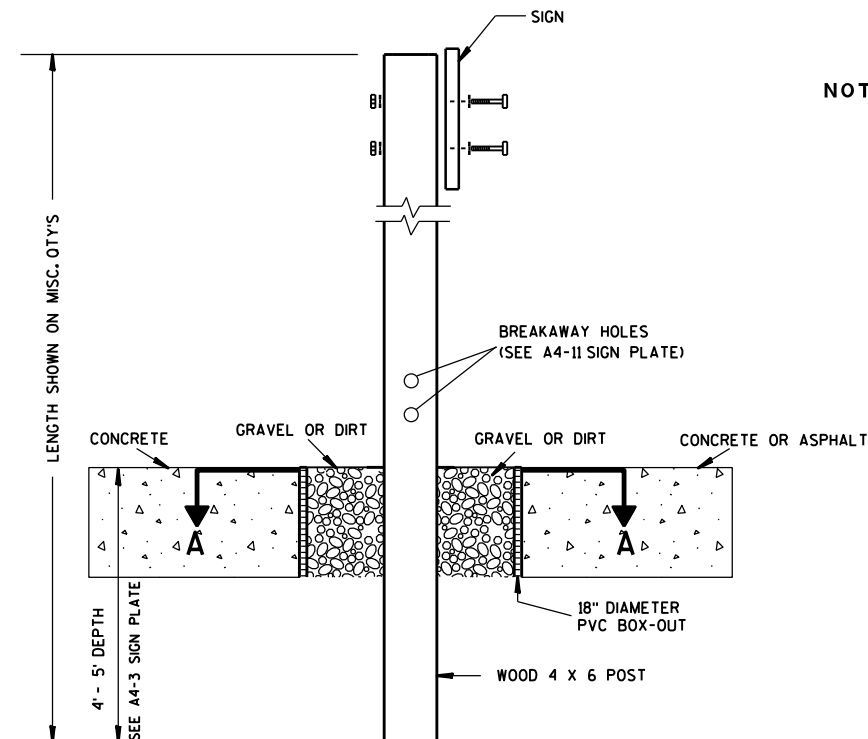
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

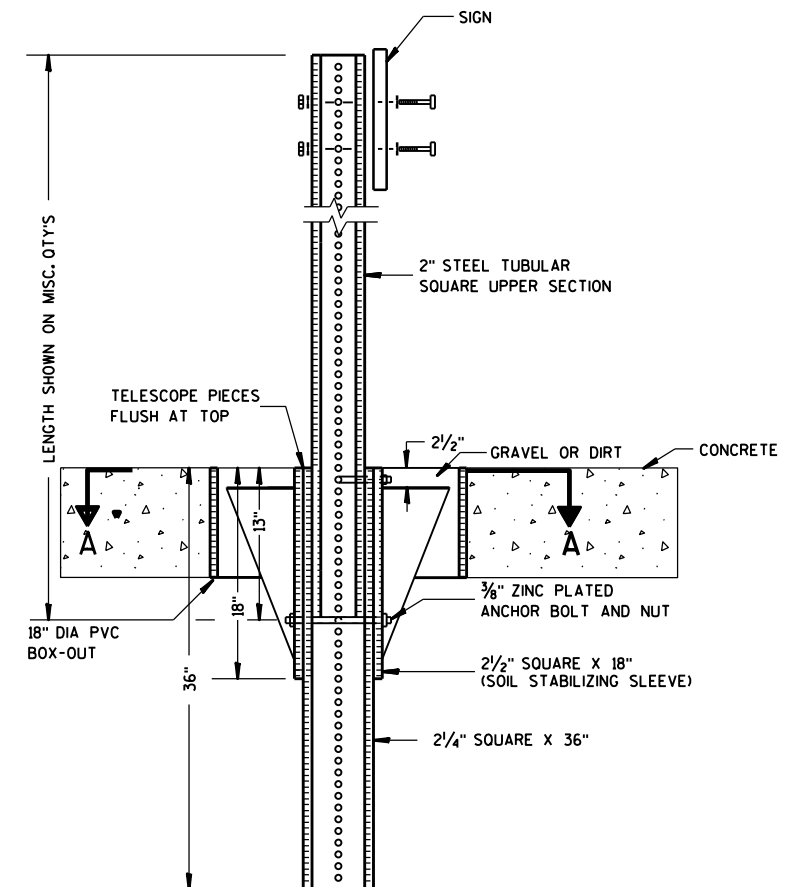
DATE 12/6/23 PLATE NO. A4-3.23



ELEVATION VIEW

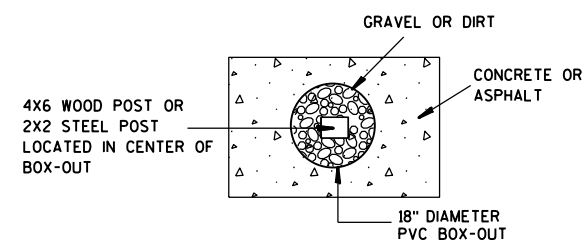
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES:**
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

**SIGN POST
BOX-OUTS
A4-3B**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLAT 68 A4-3B.1

PROJECT NO:

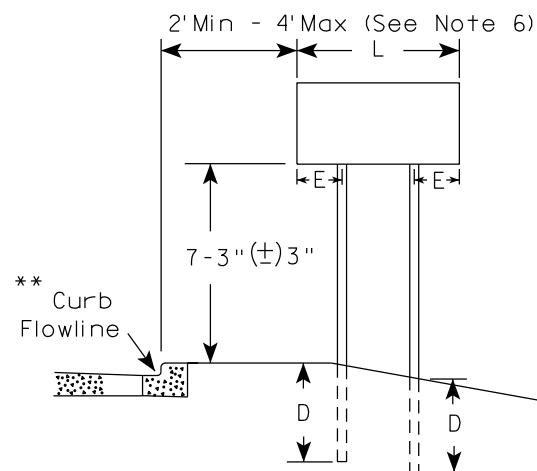
HWY:

COUNTY:

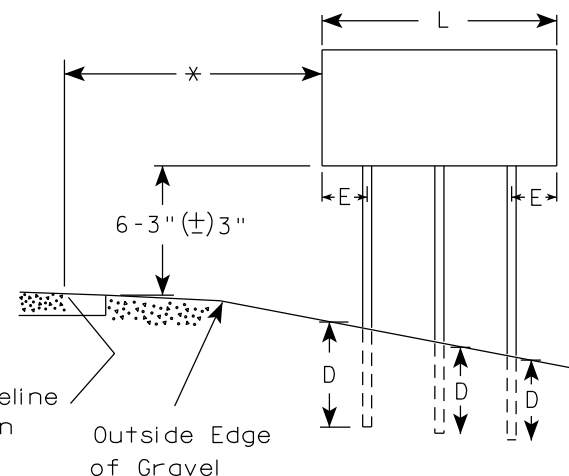
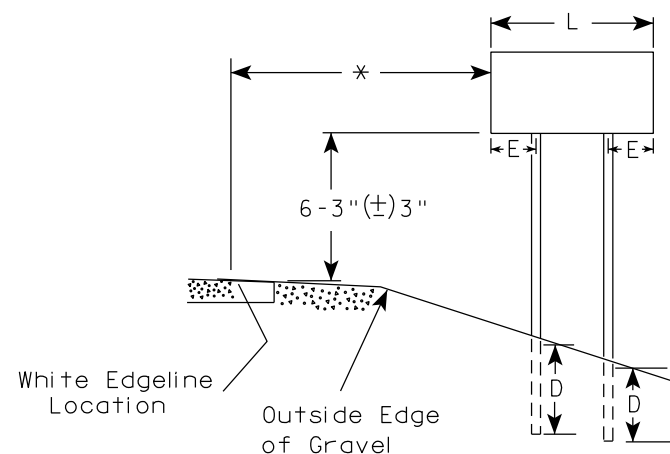
SHEET NO:

E

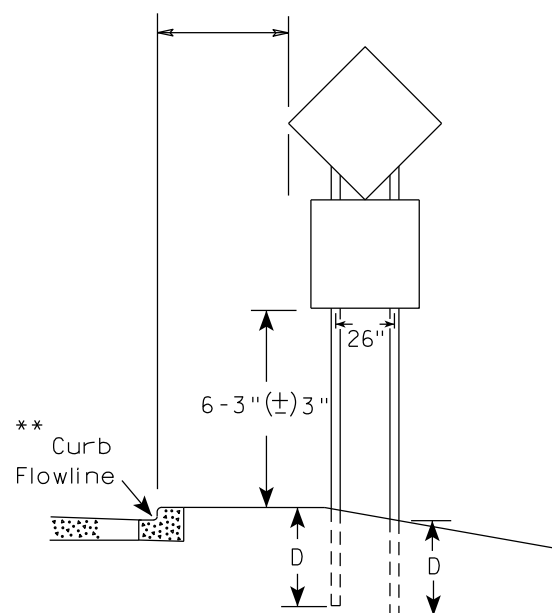
URBAN AREA



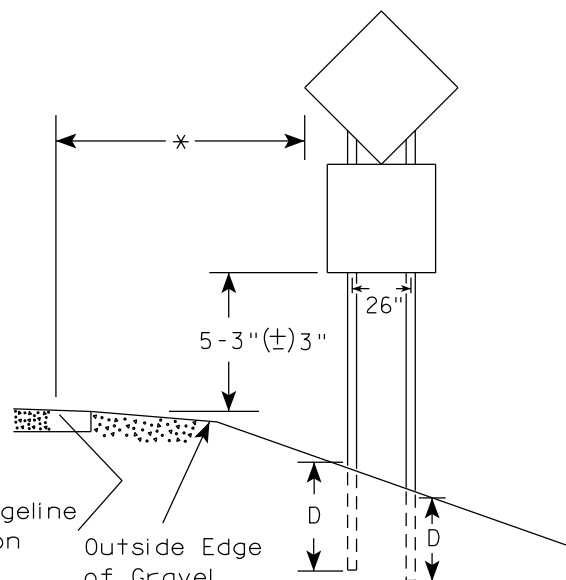
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

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

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

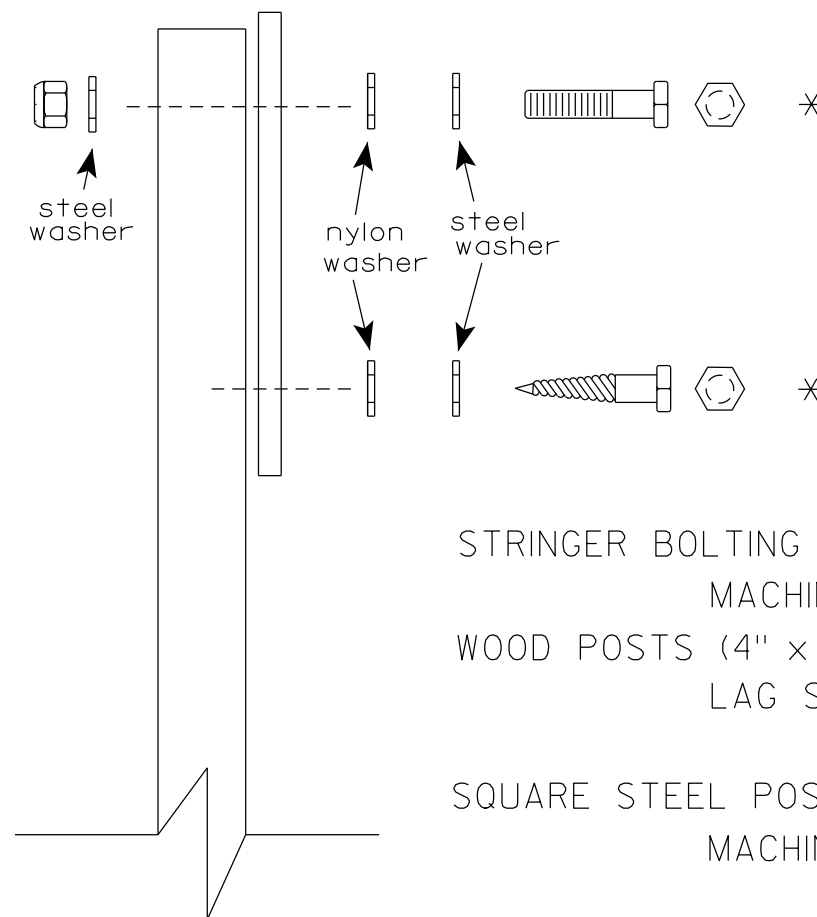
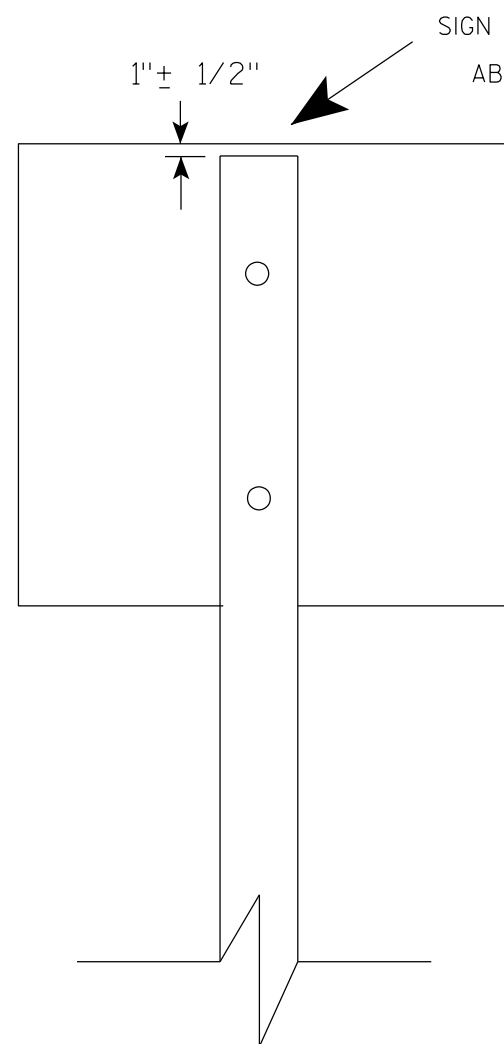
Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16



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

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

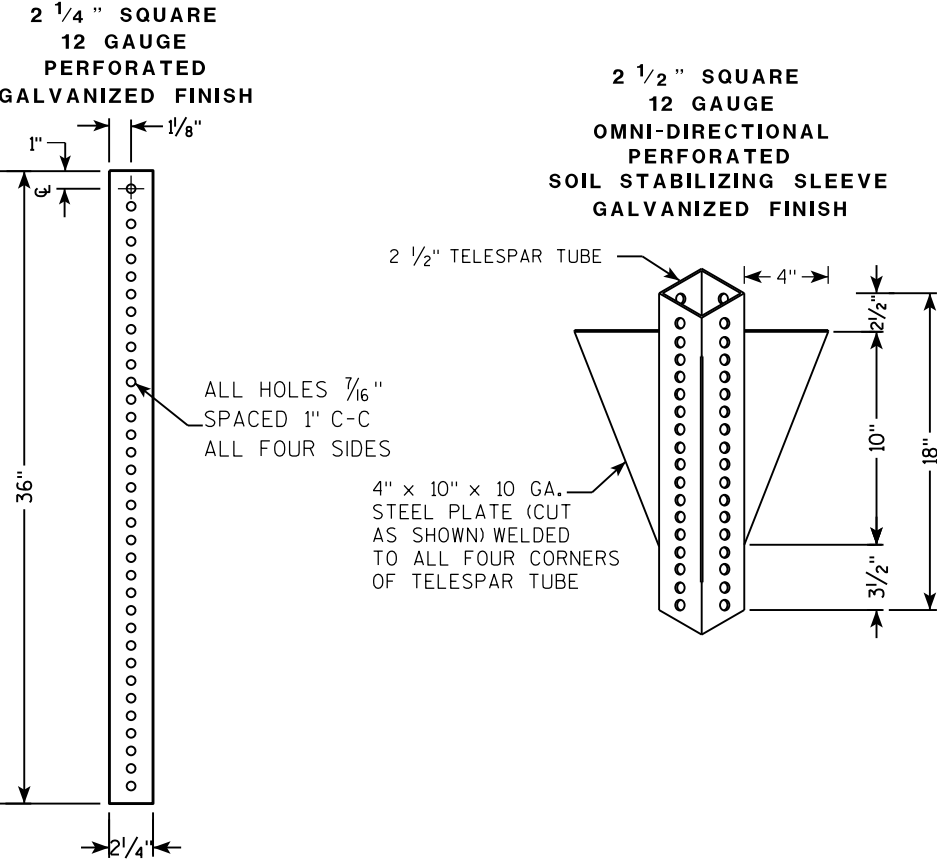
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)
 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- 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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
 - 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

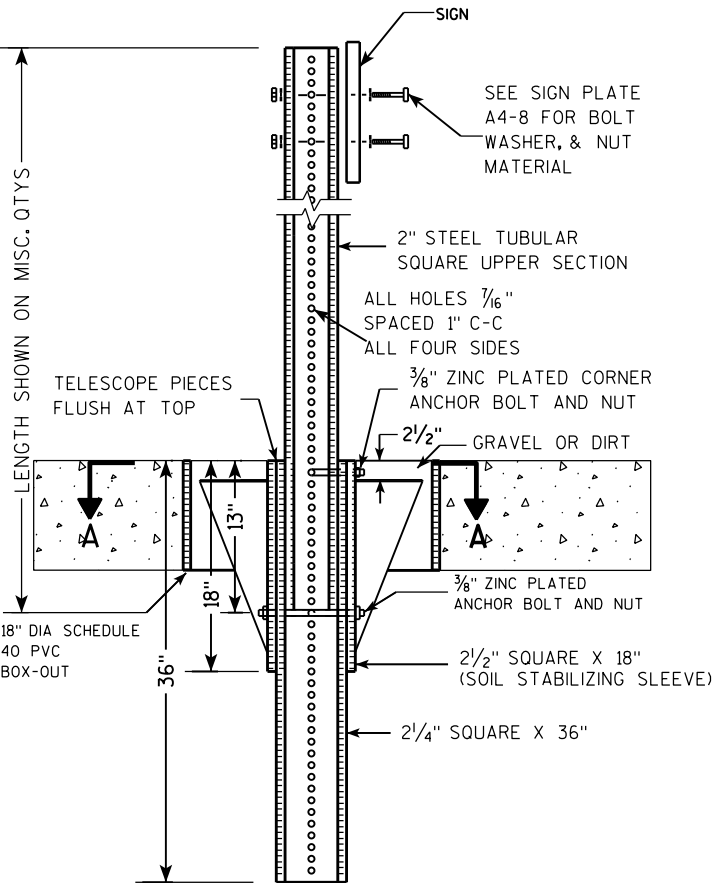
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

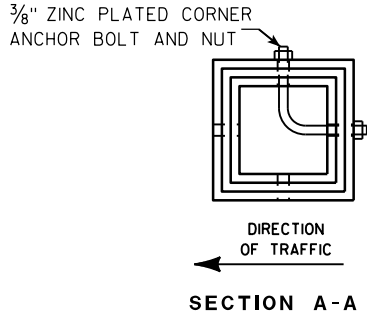
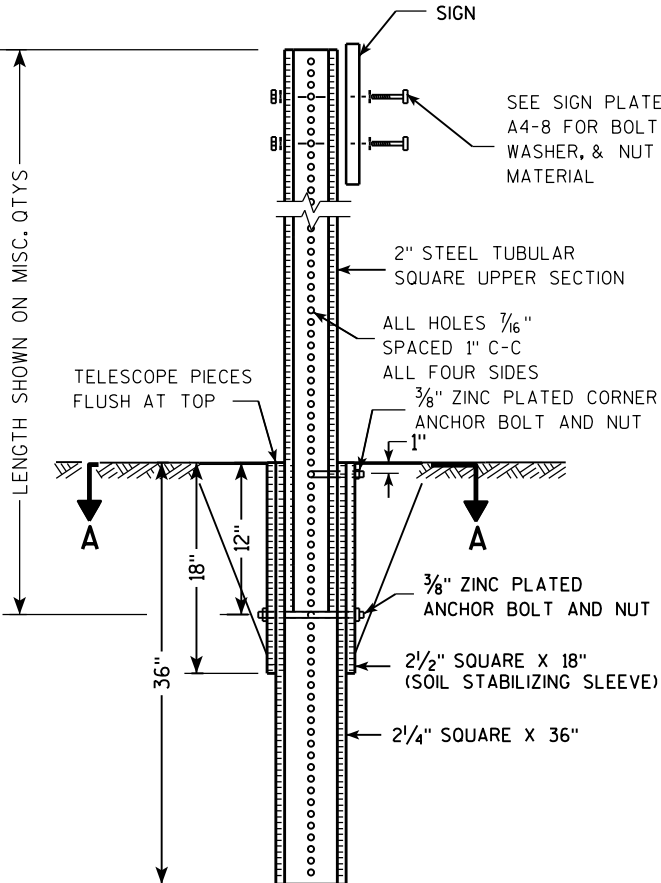
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

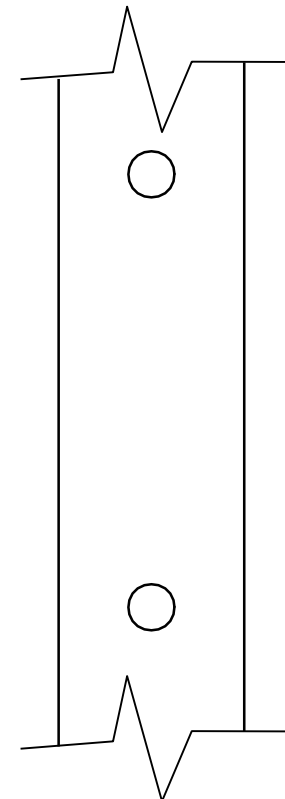
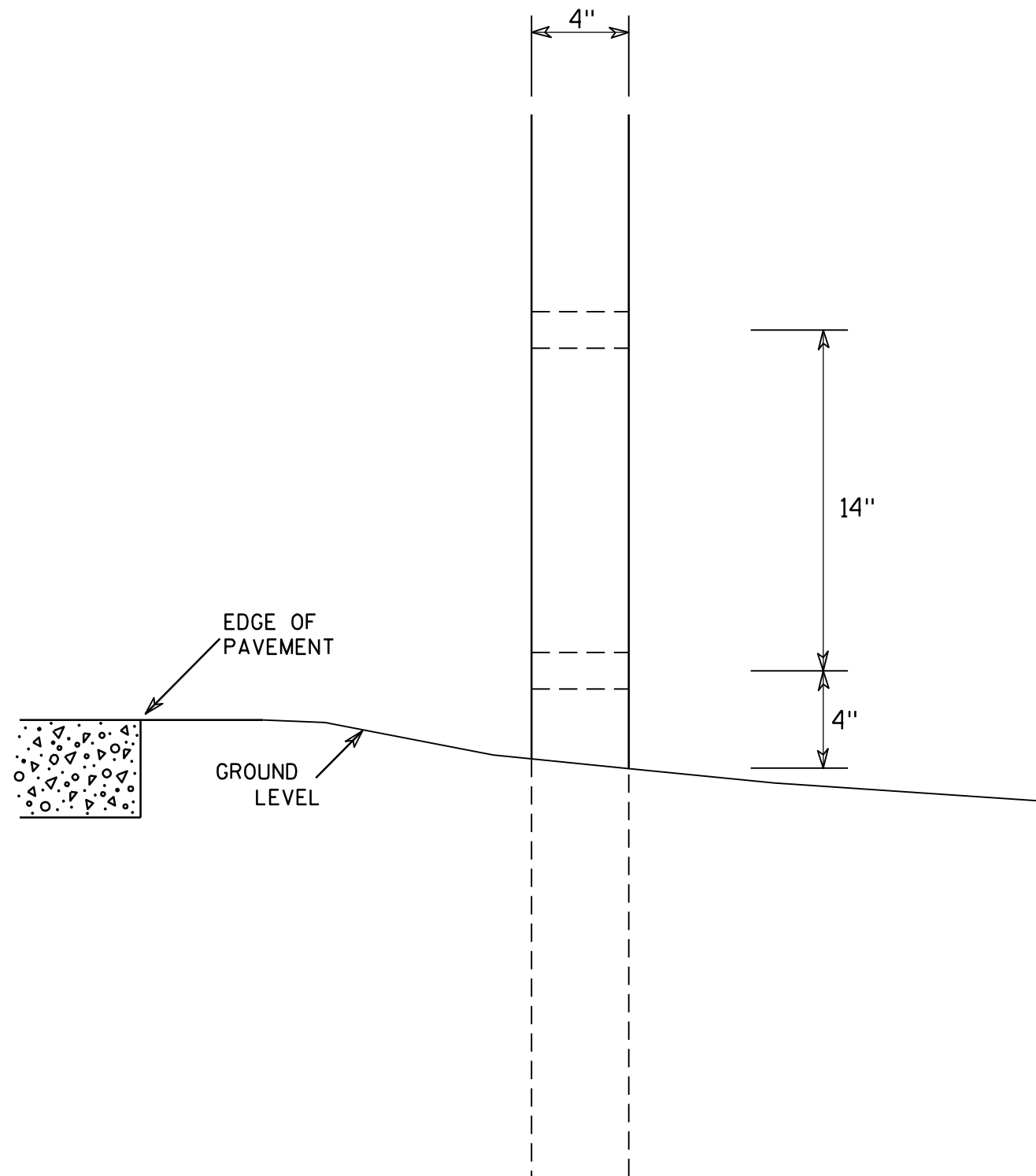
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLAT 71 14-9.9



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1 1/2" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

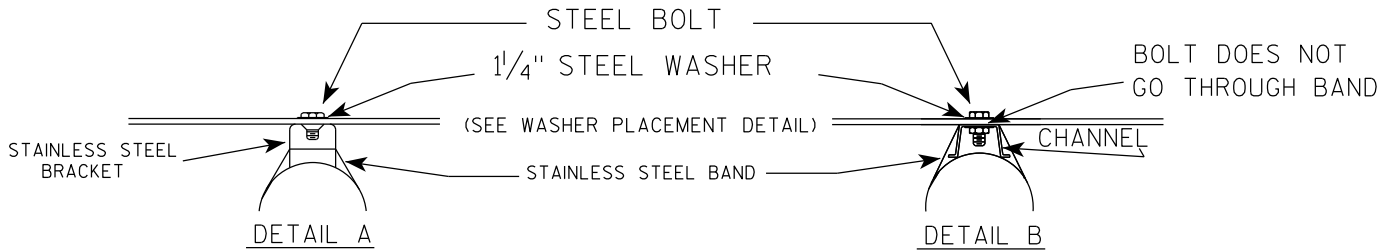
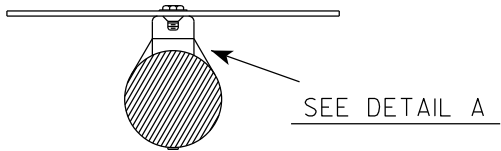
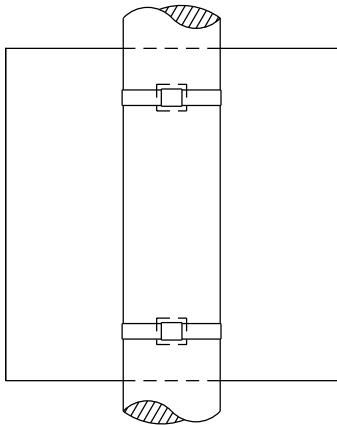
COUNTY:

SHEET NO: 72

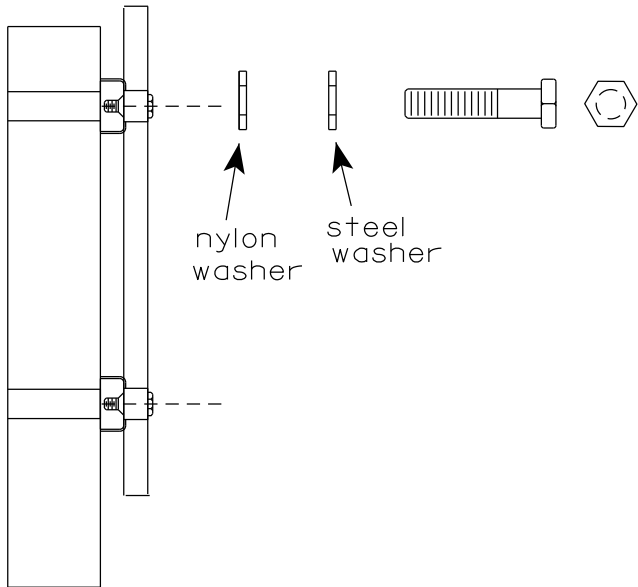
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

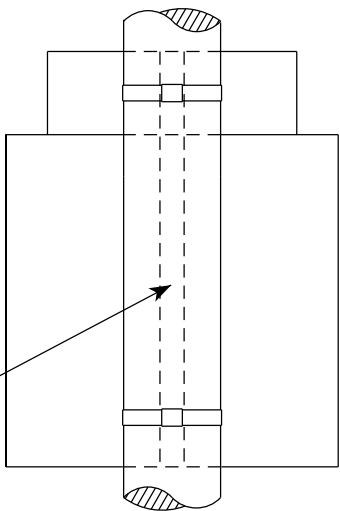


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

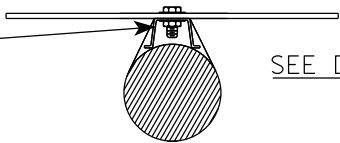
GENERAL NOTES

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

"J" ASSEMBLY



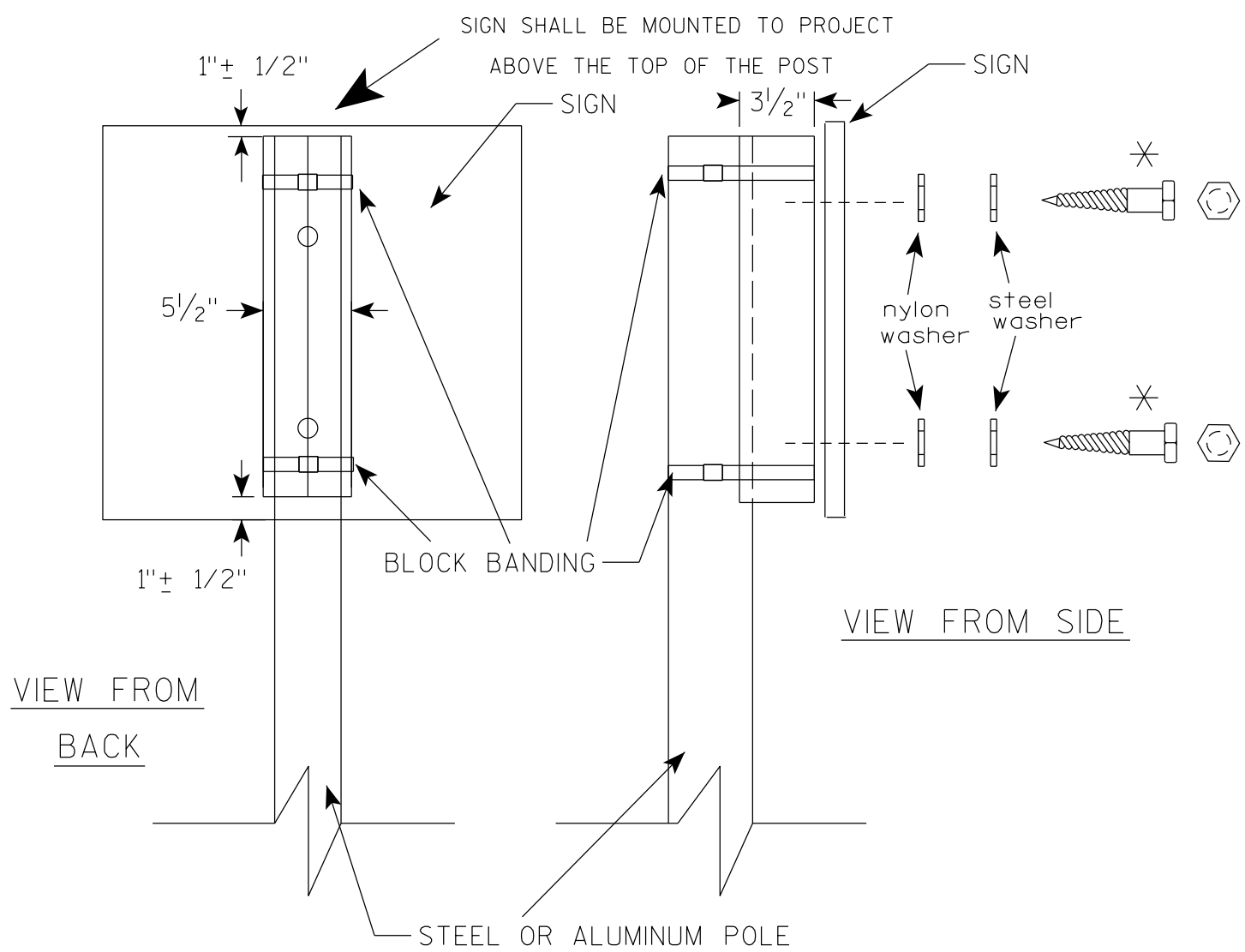
CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



STANDARD SIGN
SIGN BANDING DETAILS

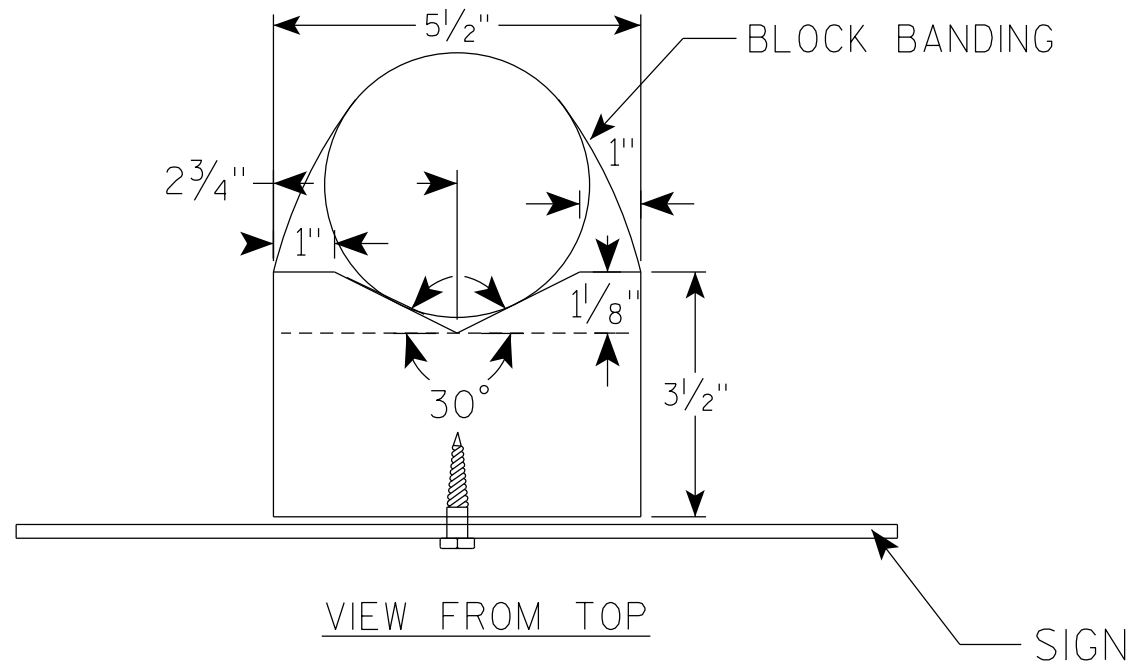
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/10/19 PLATE NO. A5-9.4



VIEW FROM
BACK

VIEW FROM SIDE



VIEW FROM TOP

GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORMALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
8. NYLON WASHERS SHALL BE $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

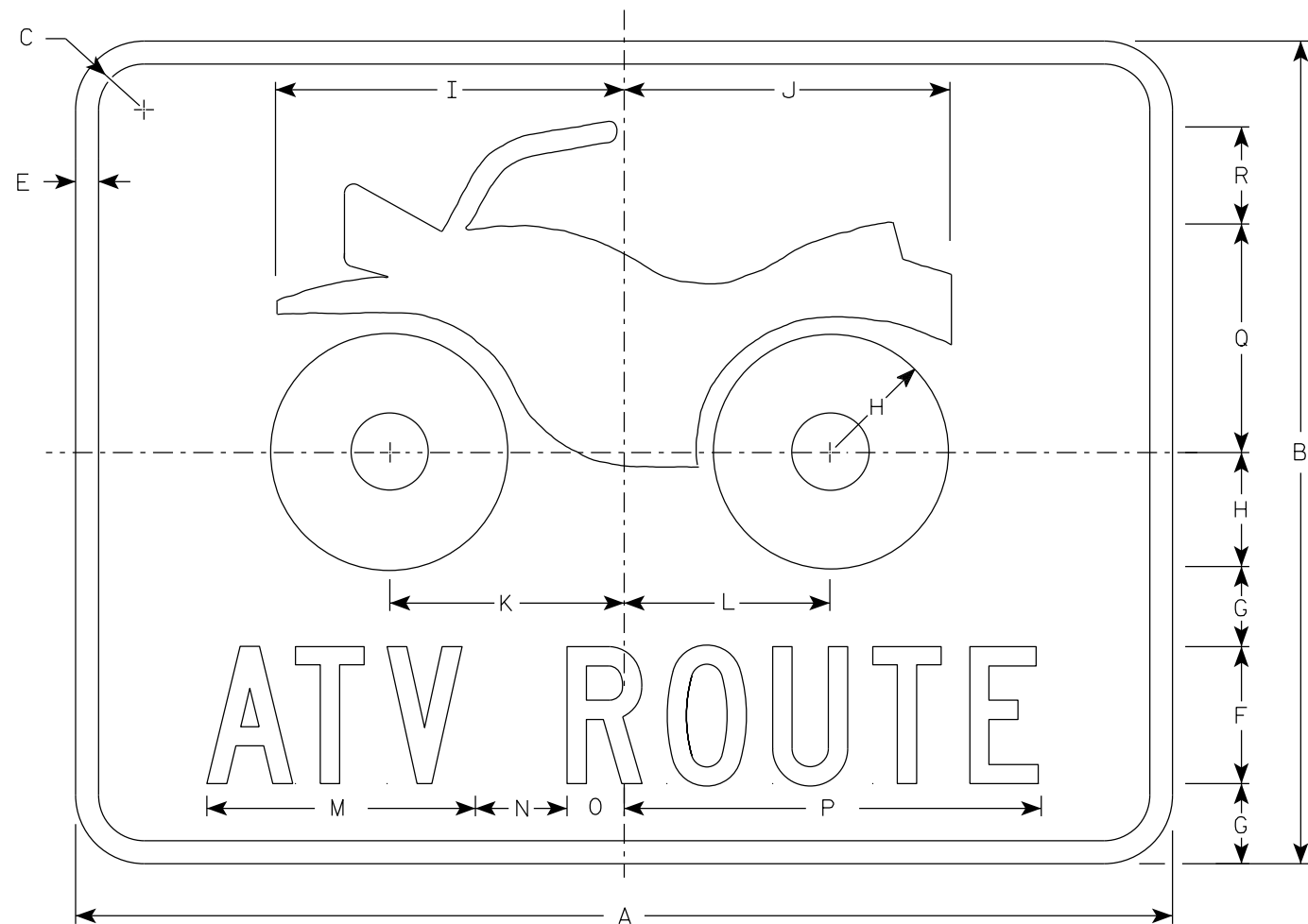
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 74

E

7



D11-10

NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
 - Background - Green
 - Message - White
- 3. Message Series - C

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2		1/2	3	1 3/4	2 1/2	7 5/8	7 1/8	5 1/8	5 1/2	5 7/8	2	1 1/4	9 1/8	5	2 1/8									3.0
2M	24	18	1 1/2		1/2	3	1 3/4	2 1/2	7 5/8	7 1/8	5 1/8	5 1/2	5 7/8	2	1 1/4	9 1/8	5	2 1/8									3.0
3																											
4																											
5																											

STANDARD SIGN

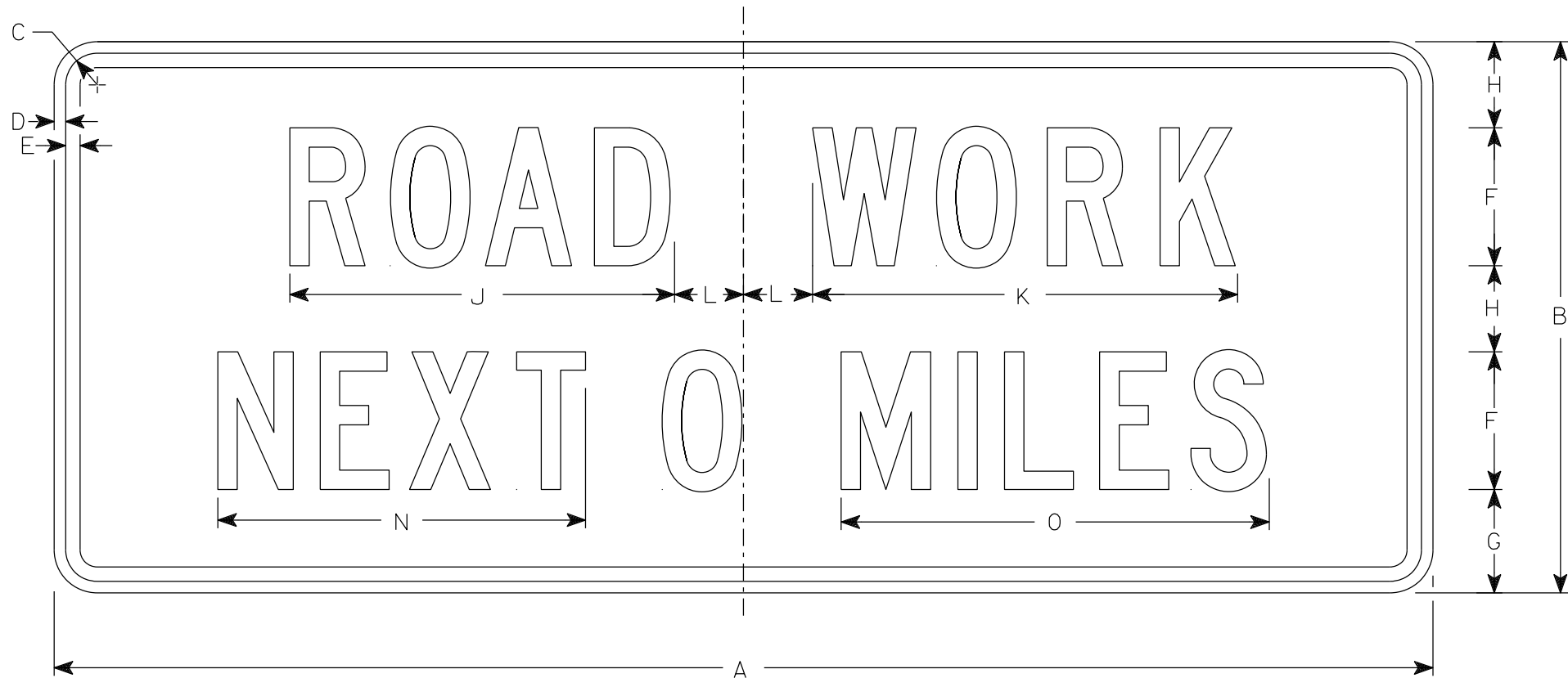
D11-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew P. Rauch*
for State Traffic Engineer

DATE 1/25/2023 PLATE NO. D11-10.6

7



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10.0
2M	60	24	1 7⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10.0
3	60	24	1 7⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10.0
4	60	24	1 7⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10.0
5	60	24	1 7⁄8	1⁄2	5⁄8	6	4 1⁄2	3 3⁄4		16 3⁄4	18 1⁄2	3		16	18 5⁄8												10.0

STANDARD SIGN

G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

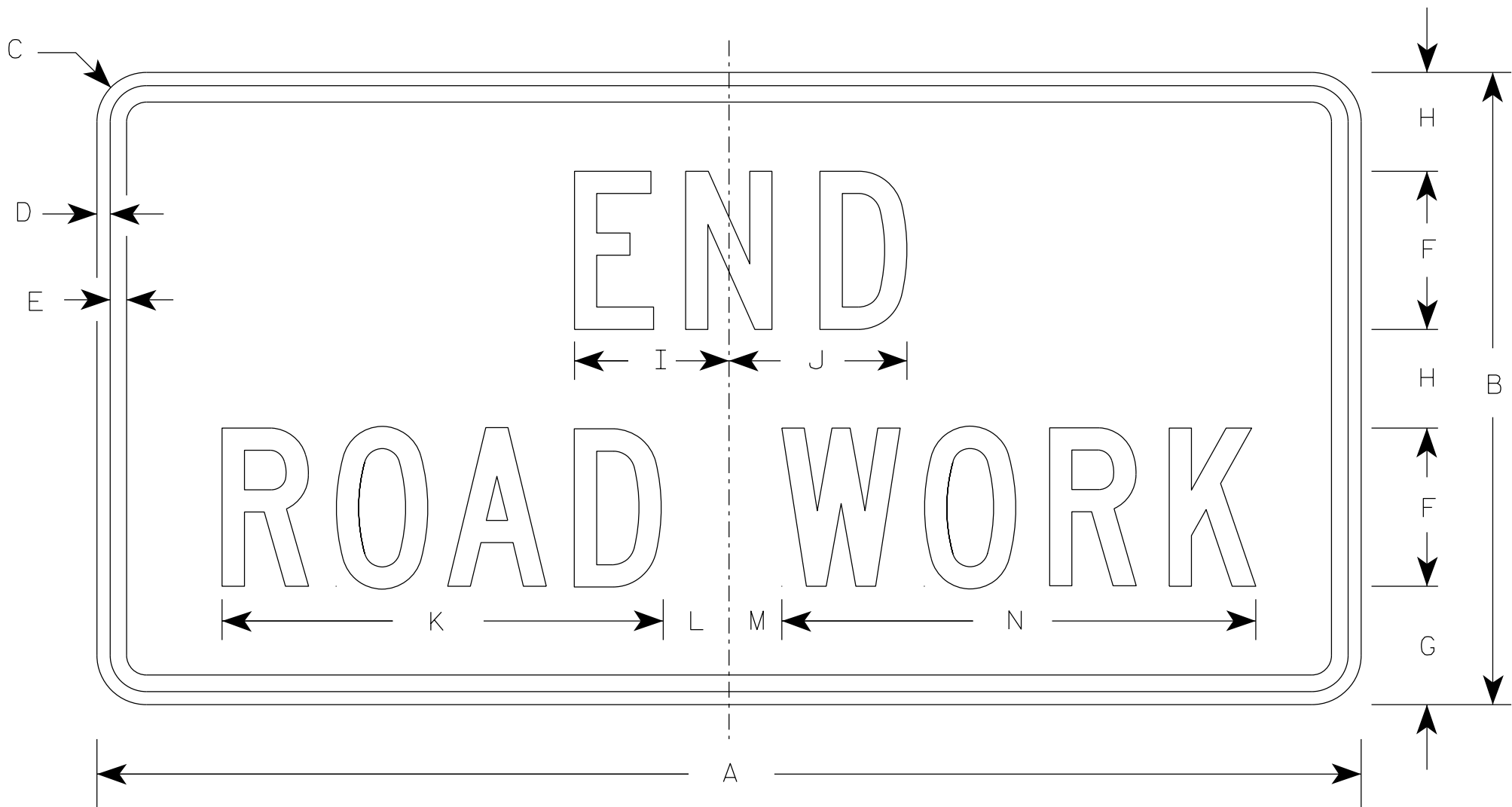
DATE 1/26/2023 PLATE NO. G20-1.9

NOTES

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

Background - Orange

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



G20-2A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	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
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO:

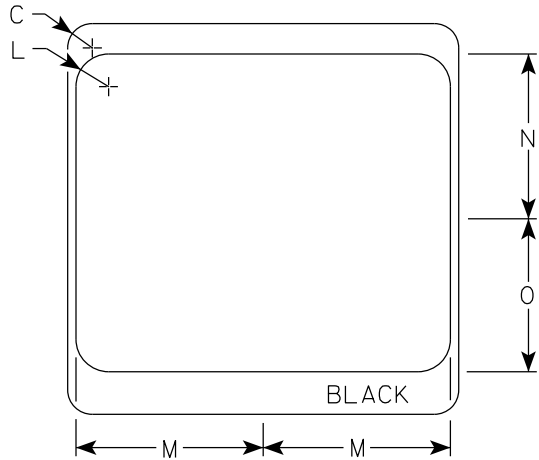
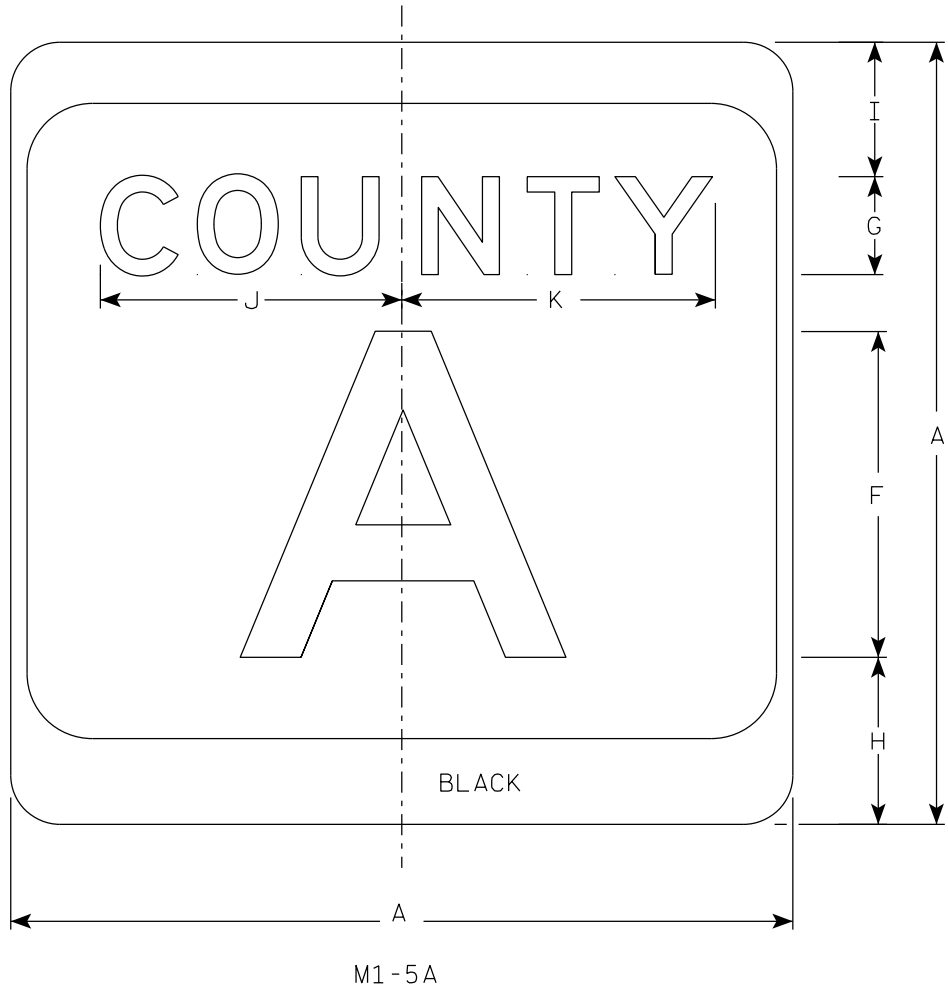
HWY:

COUNTY:

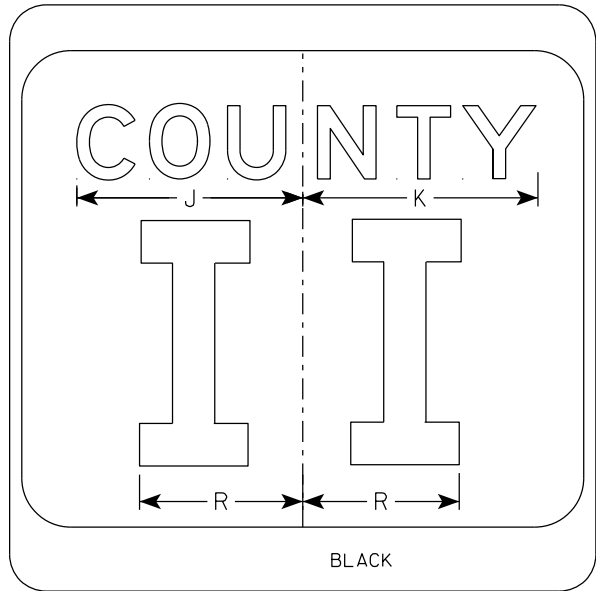
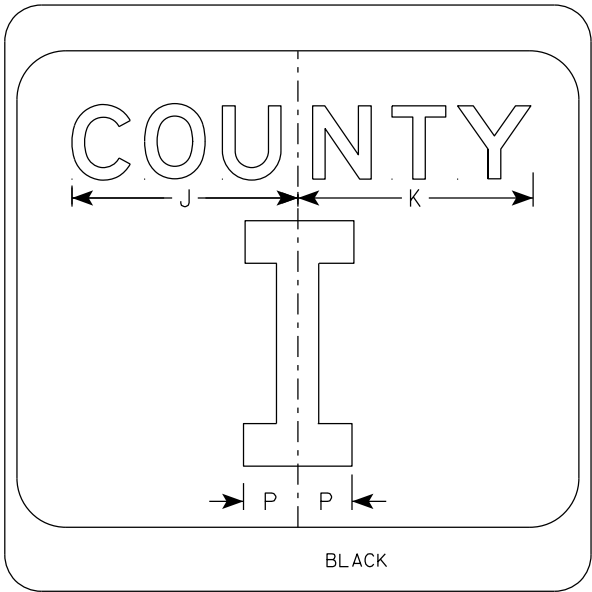
SHEET NO: 77

E

7



- NOTES
1. Sign is Type II - Type H Reflective
 2. Color:
Background - White & Black
Message - Black
 3. Message Series - see Note 4
 4. Message Series E for 1 letter.
Message Series D for 2 letters unless
message is too big then Series C.
Message Series C for 3 letters unless
message is too big then Series B.
 5. Substitute appropriate letters & optically
center to achieve proper balance.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

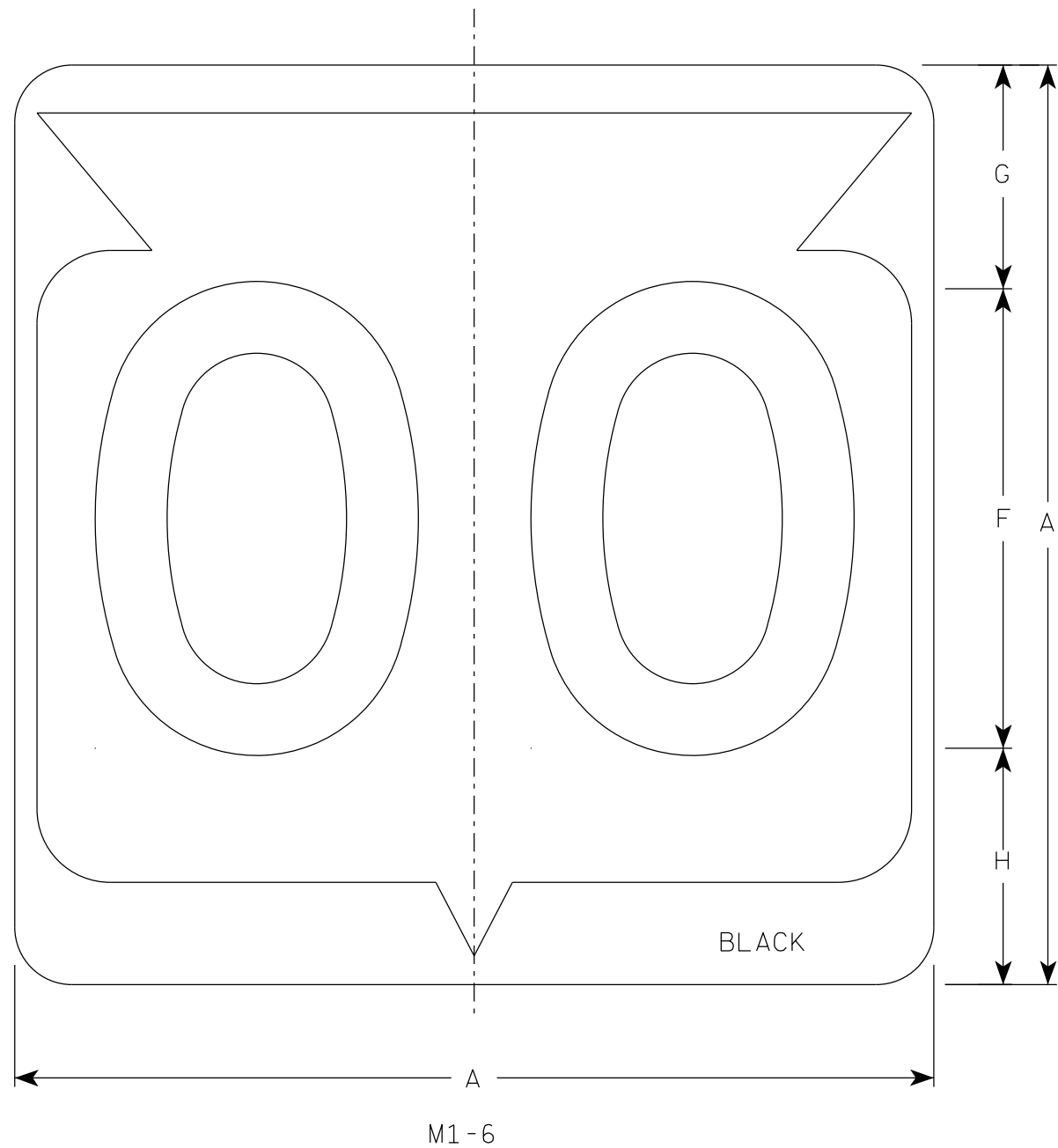
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

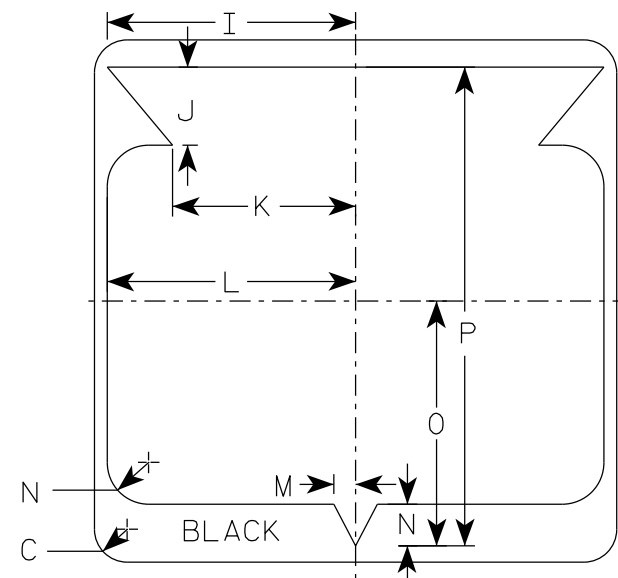
7

7



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

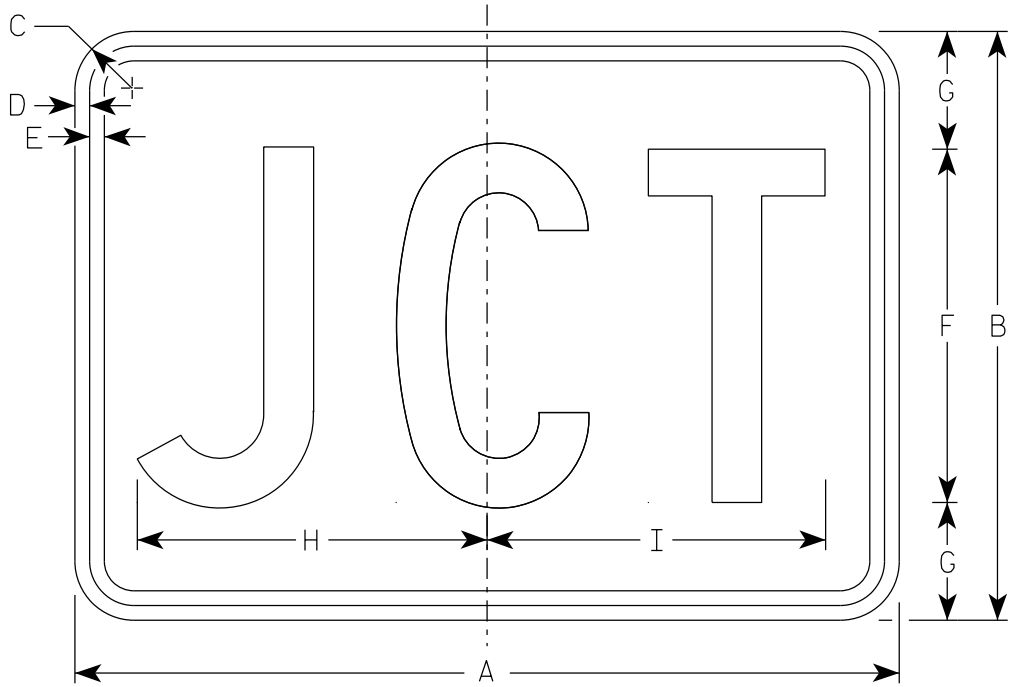
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

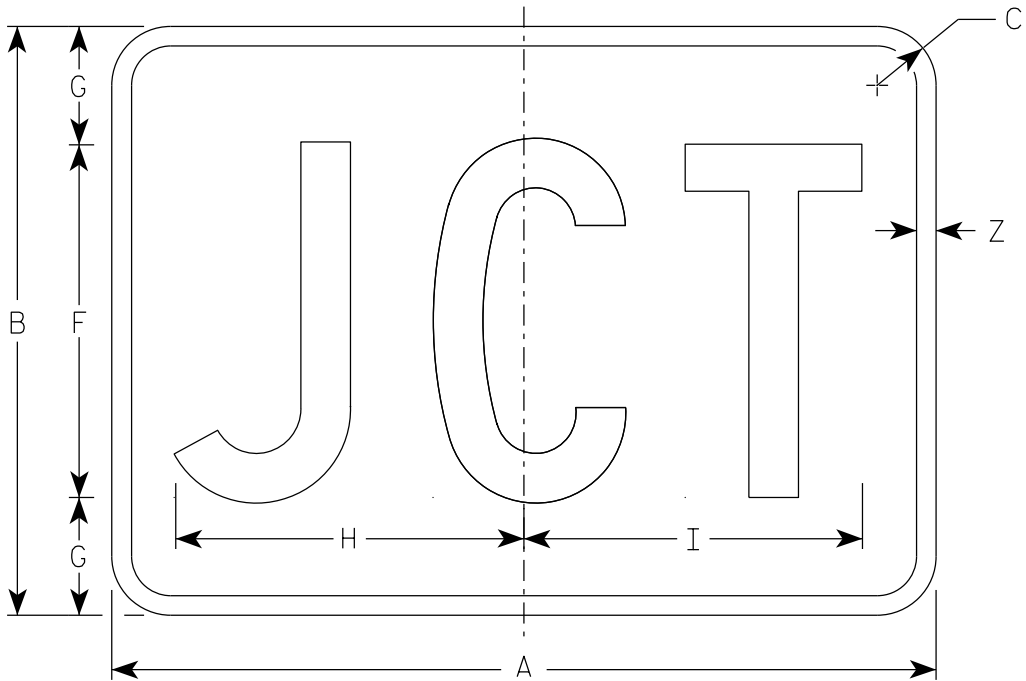
DATE 11/8/2022 PLATE NO. M1-6.11

7

7



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. M2-1 Background - White
Message - Black
MB2-1 Background - Blue
Message - White
MK2-1 Background - Green
Message - White
MM2-1 Background - White
Message - Green
MN2-1 Background - Brown
Message - White
MP2-1 Background - White
Message - Blue
MR2-1 Background - Brown
Message - Yellow

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

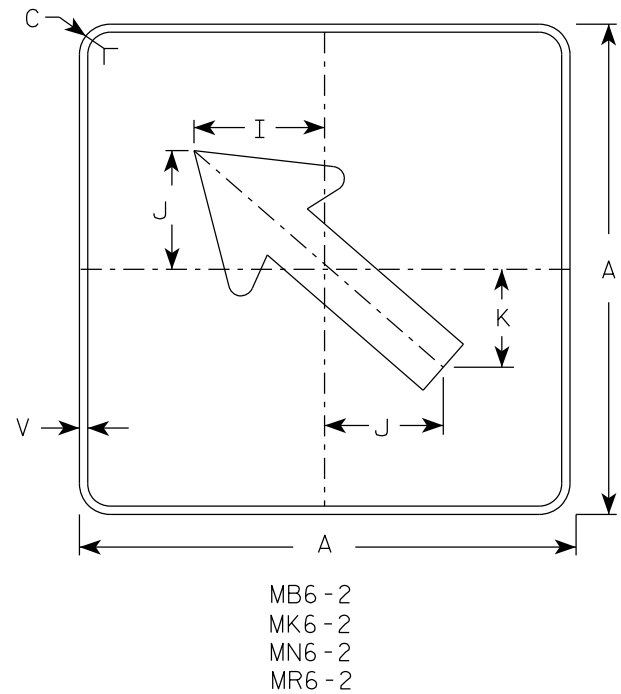
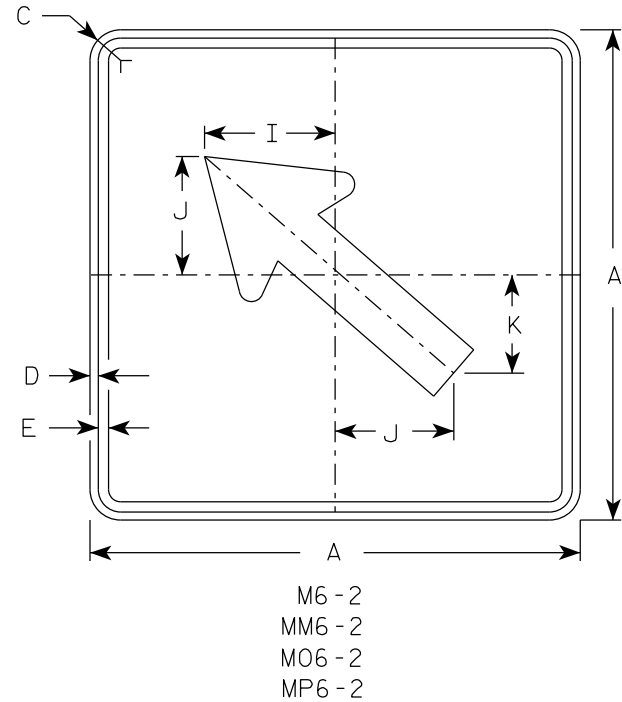
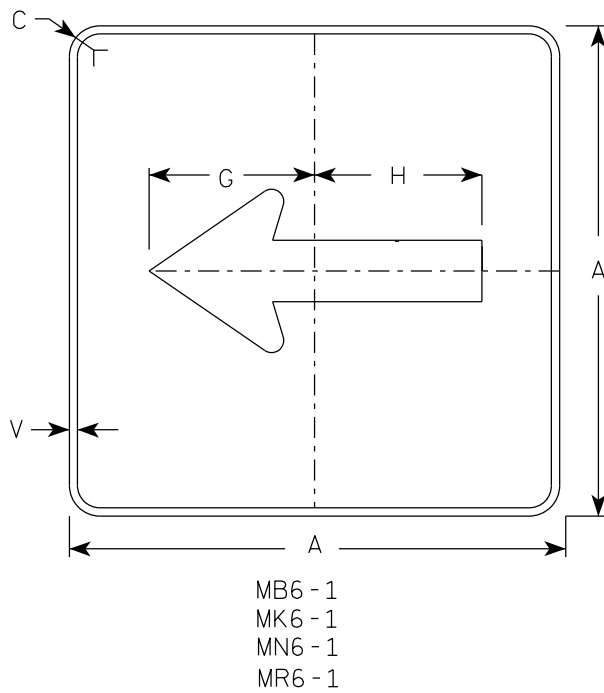
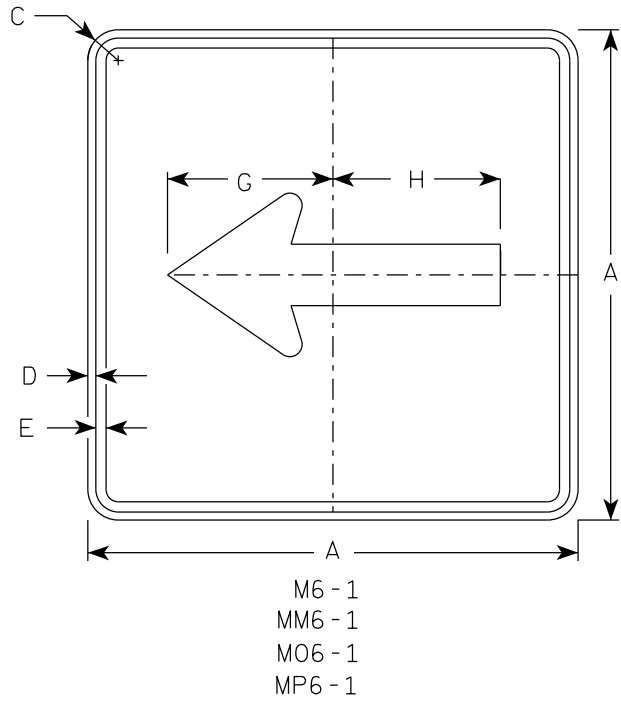
PROJECT NO:

HWY:

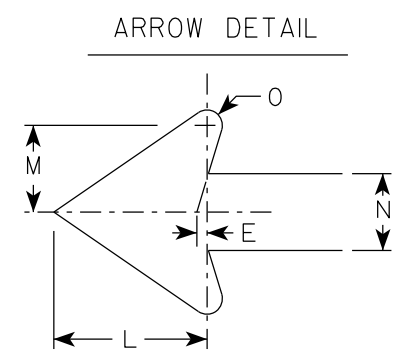
COUNTY:

SHEET NO: 80

E



- NOTES
- Signs are Type II - Type H Reflective except as Shown
 - Color:
Background - See note 4
Message - See note 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.
 - M6-1 and M6-2 Background - White
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White
MK6-1 and MK6-2 Background - Green
Message - White
MM6-1 and MM6-2 Background - White
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White
M06-1 and M06-2 Background - Orange - Type F Reflective
Message - Black
MP6-1 and MP6-2 Background - White
Message - Blue
MR6-1 and MR6-2 Background - Brown
Message - Yellow



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

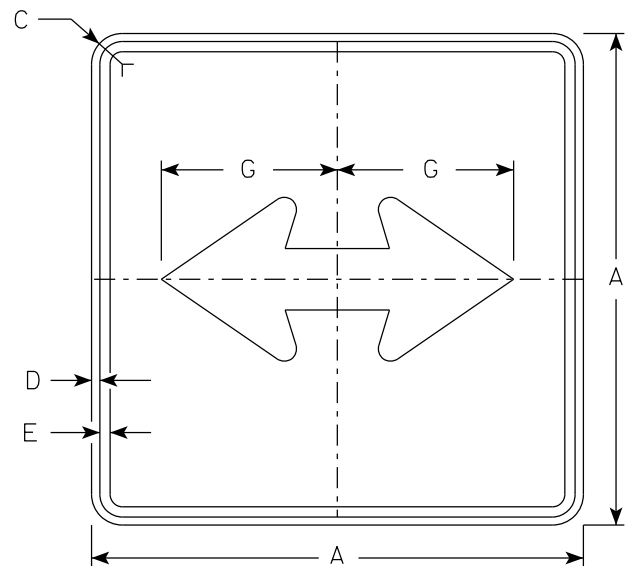
STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

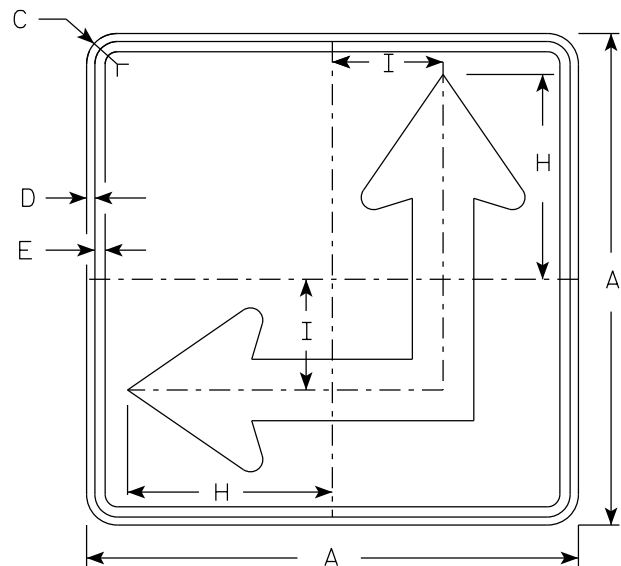
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

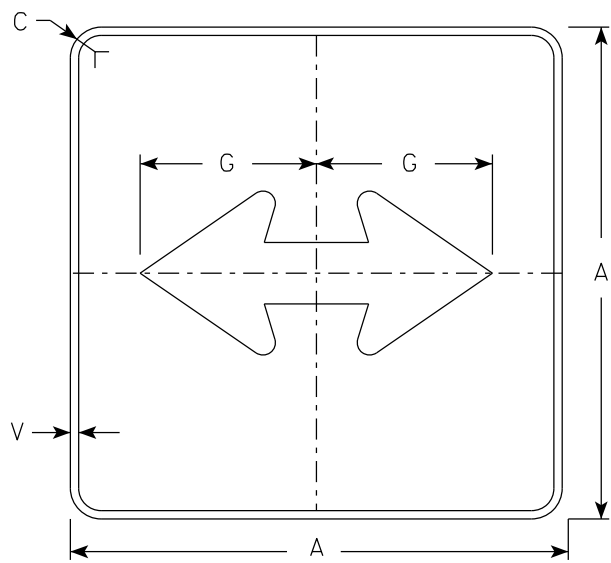
7



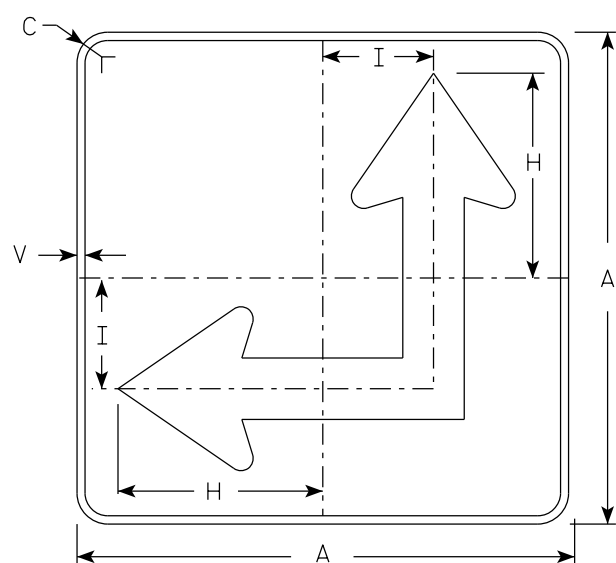
M6 - 4
MM6 - 4
M06 - 4
MP6 - 4



M6 - 6
MM6 - 6
M06 - 6
MP6 - 6



MB6 - 4
MK6 - 4
MN6 - 4
MR6 - 4

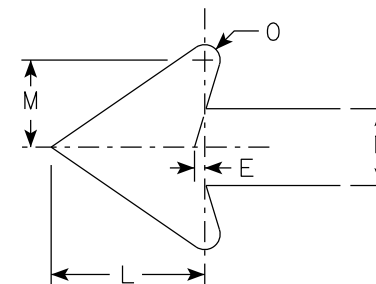


MB6 - 6
MK6 - 6
MN6 - 6
MR6 - 6

NOTES

- Signs are Type II - Type H Reflective except as Shown
- Color:
Background - See Note 4
Message - See Note 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.
- M6-4 and M6-6 Background - White
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White
MK6-4 and MK6-6 Background - Green
Message - White
MM6-4 and MM6-6 Background - White
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White
M06-4 and M06-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow
- M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	
1																												
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2						3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2						3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2						6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2						6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2						6.25

STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

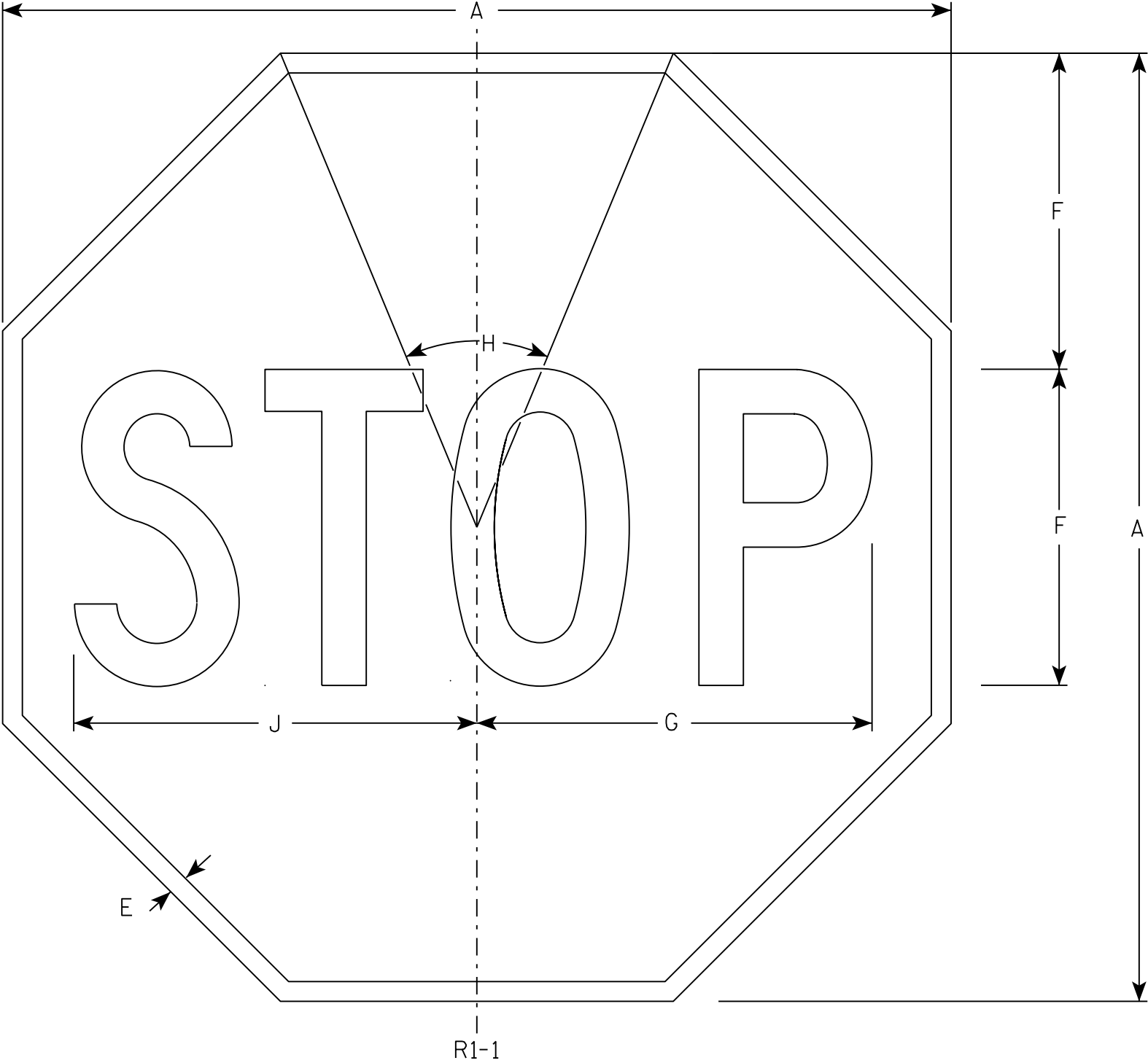
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

7

7



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Red
Message - White
- 3. Message Series - C

7

R1-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

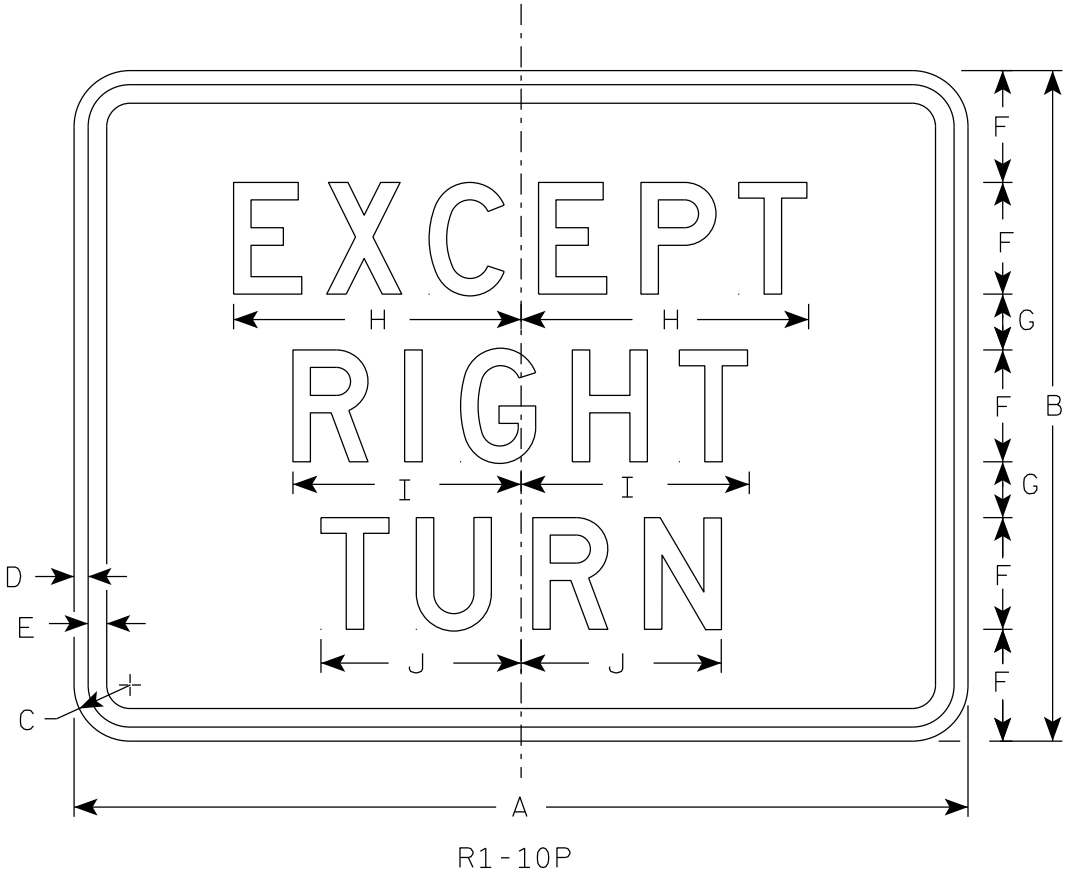
DATE 11/12/15 PLATE NO. R1-1.13

7

7

NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
 - Background - White
 - Message - Black
- 3. Message Series - D



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	3/8	1/2	3	1 1/2	7 3/4	6 1/8	5 3/8																	3.0
2M	24	18	1 1/2	3/8	1/2	3	1 1/2	7 3/4	6 1/8	5 3/8																	3.0
3																											
4																											
5																											

PROJECT NO:

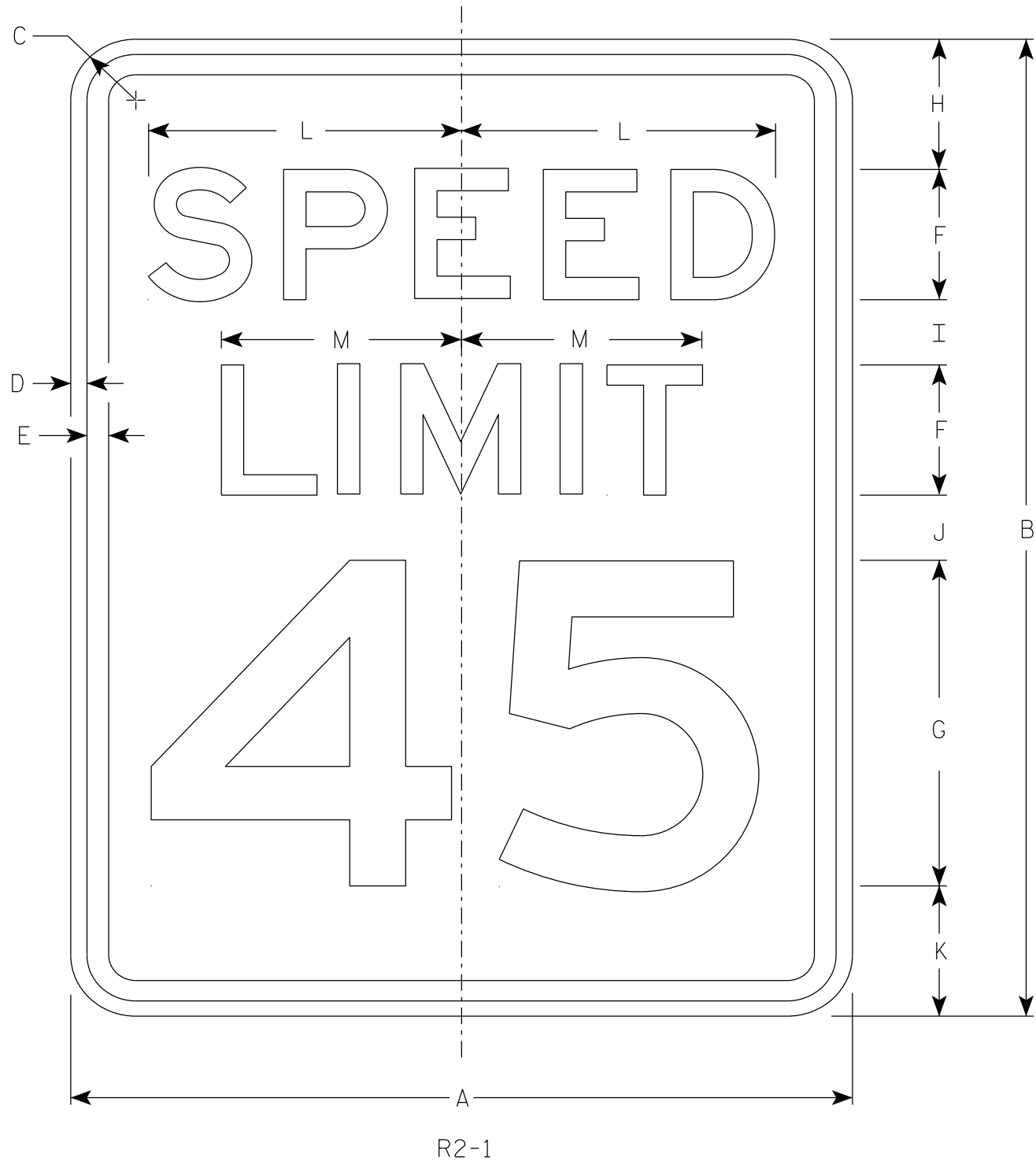
HWY:

COUNTY:

SHEET NO: 84

E

7



NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
Background - White
Message - Black
- 3. Message Series - E
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN

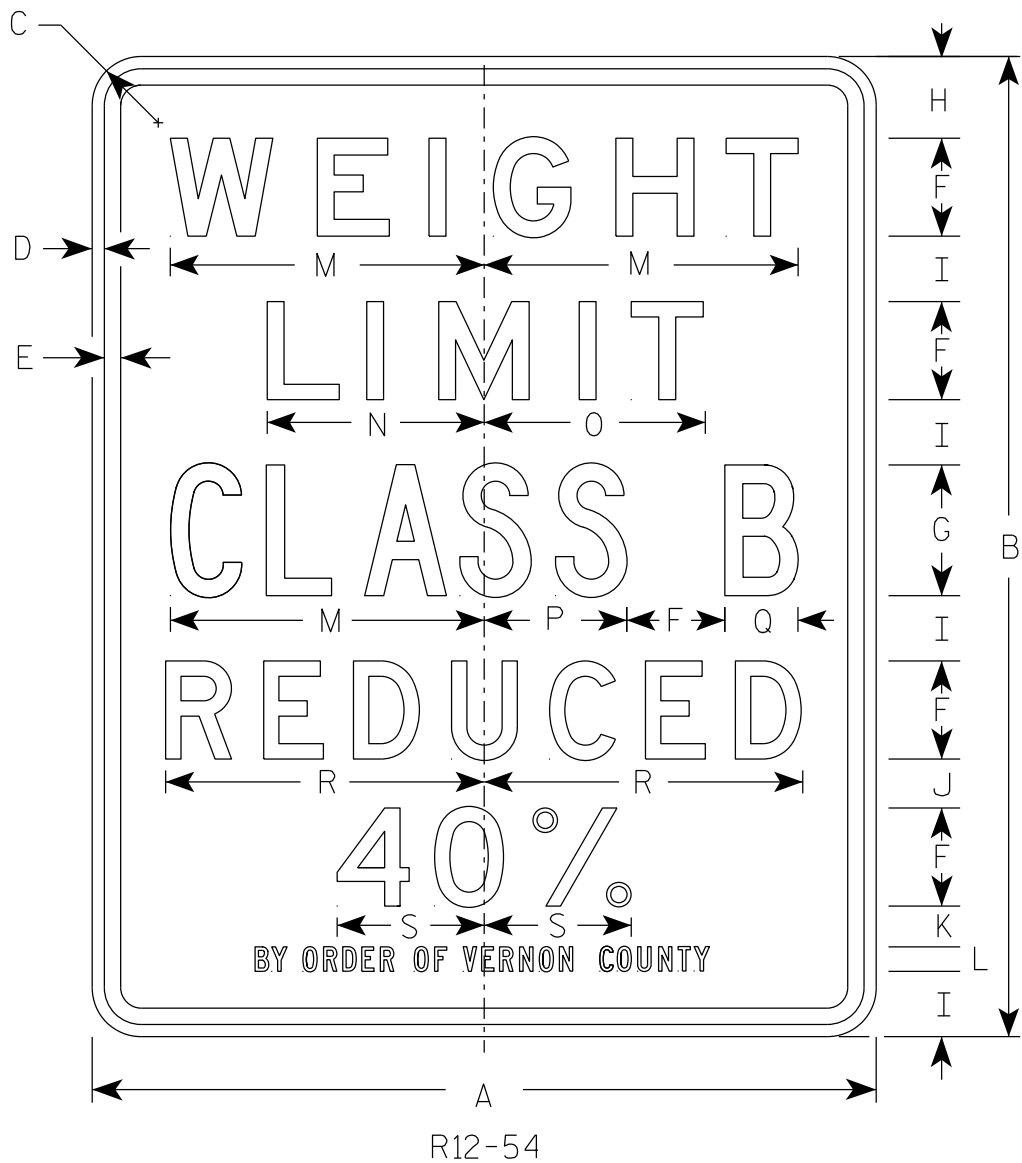
R2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

7



NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
Background - White
Message - Black
- 3. Message Series - Lines 1 & 2 are Series E.
Lines 3 & 6 are Series C.
Lines 4 & 5 Series D.
- 4. Line 6 of the sign shall vary with the name of the maintaining authority.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	3	4	2 1/2	2	1 1/2	1 1/4	3/4	9 5/8	6 5/8	6 3/4	4 3/8	2 1/4	9 3/4	4 1/2								5.0
2M	24	30	1 1/2	3/8	1/2	3	4	2 1/2	2	1 1/2	1 1/4	3/4	9 5/8	6 5/8	6 3/4	4 3/8	2 1/4	9 3/4	4 1/2								5.0
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 86

E

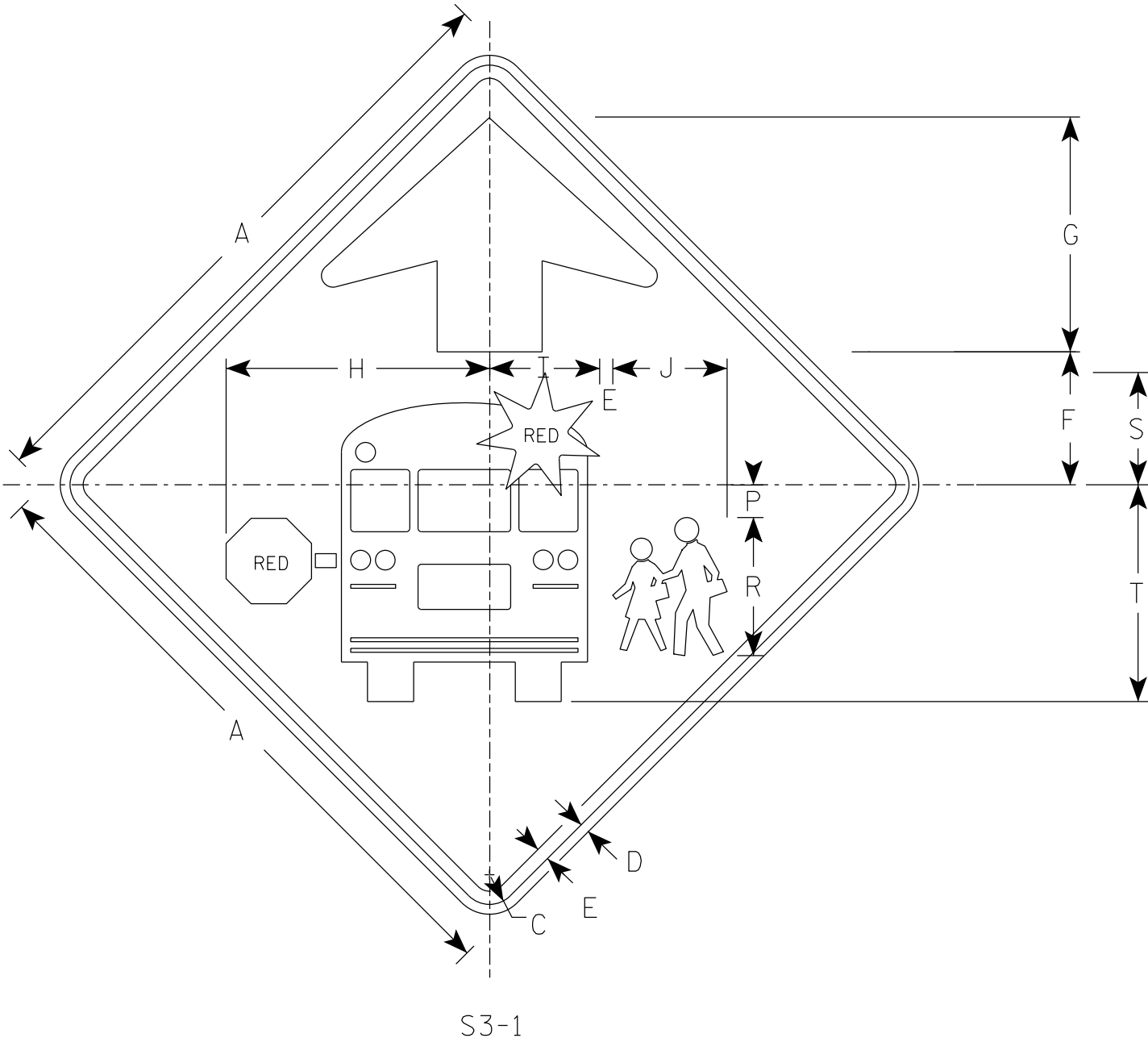
STANDARD SIGN
R12-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

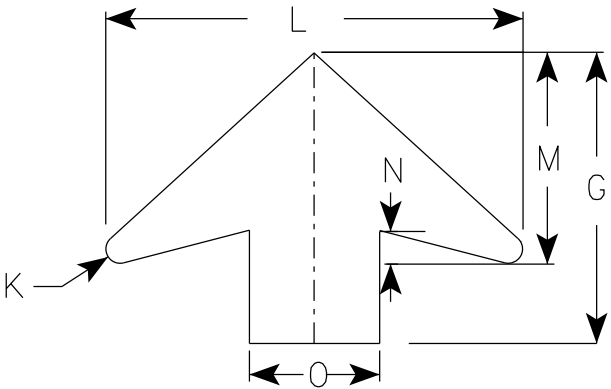
DATE 2/8/24 PLATE NO. R12-54.7

7



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - YELLOW-GREEN
 - Message - BLACK except as noted
 - Circles except PEDS- RED BACKGROUND

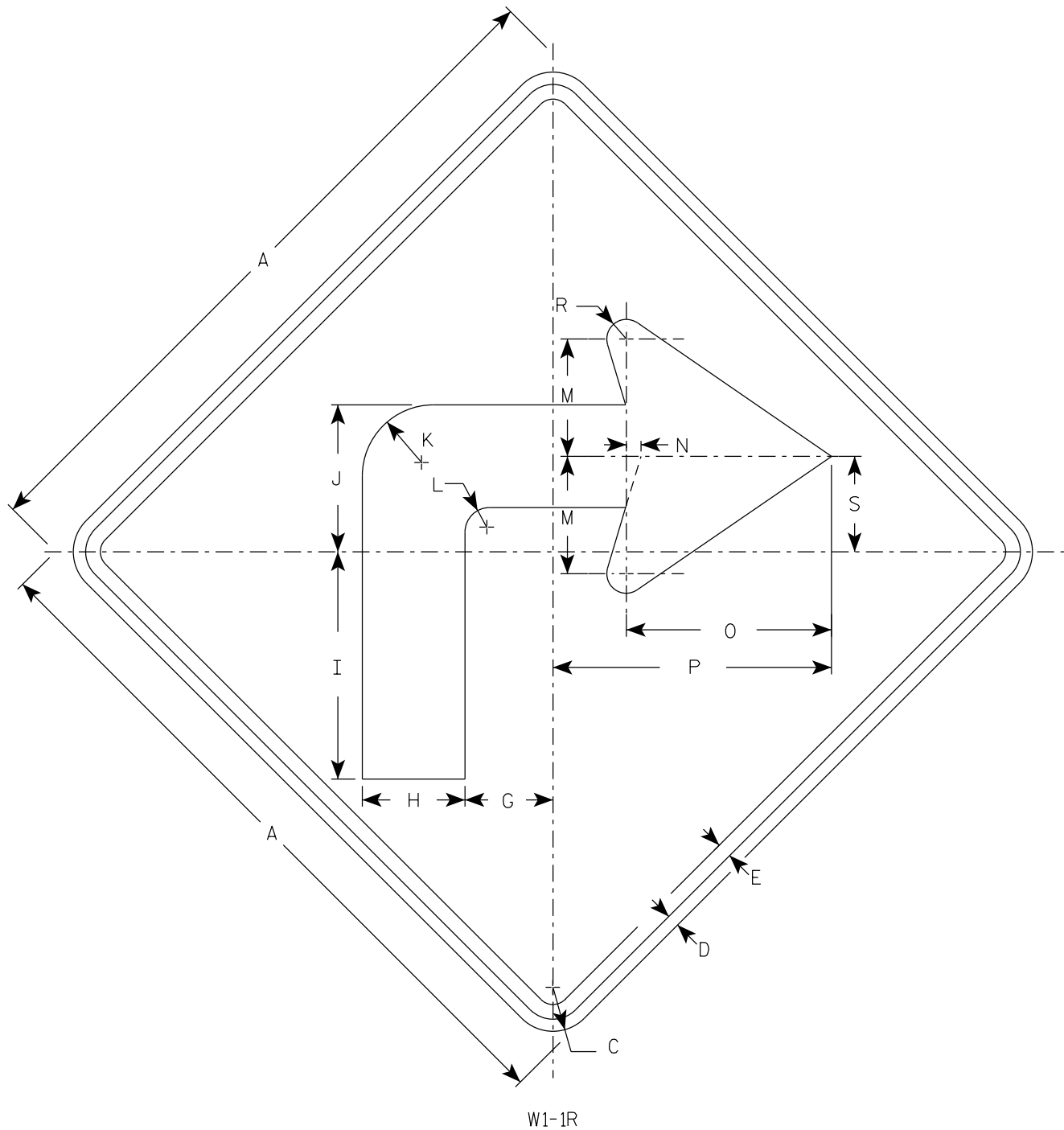


ARROW DETAIL

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2S	36		2 1/4	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 7/8	6 3/8	12 3/8							9.0
3	48		3	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		3	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
2S	36		2 1/4	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2M	36		2 1/4	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
3	36		2 1/4	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
4	48		3	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		3	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/22/2023 PLATE NO. W1-1.12

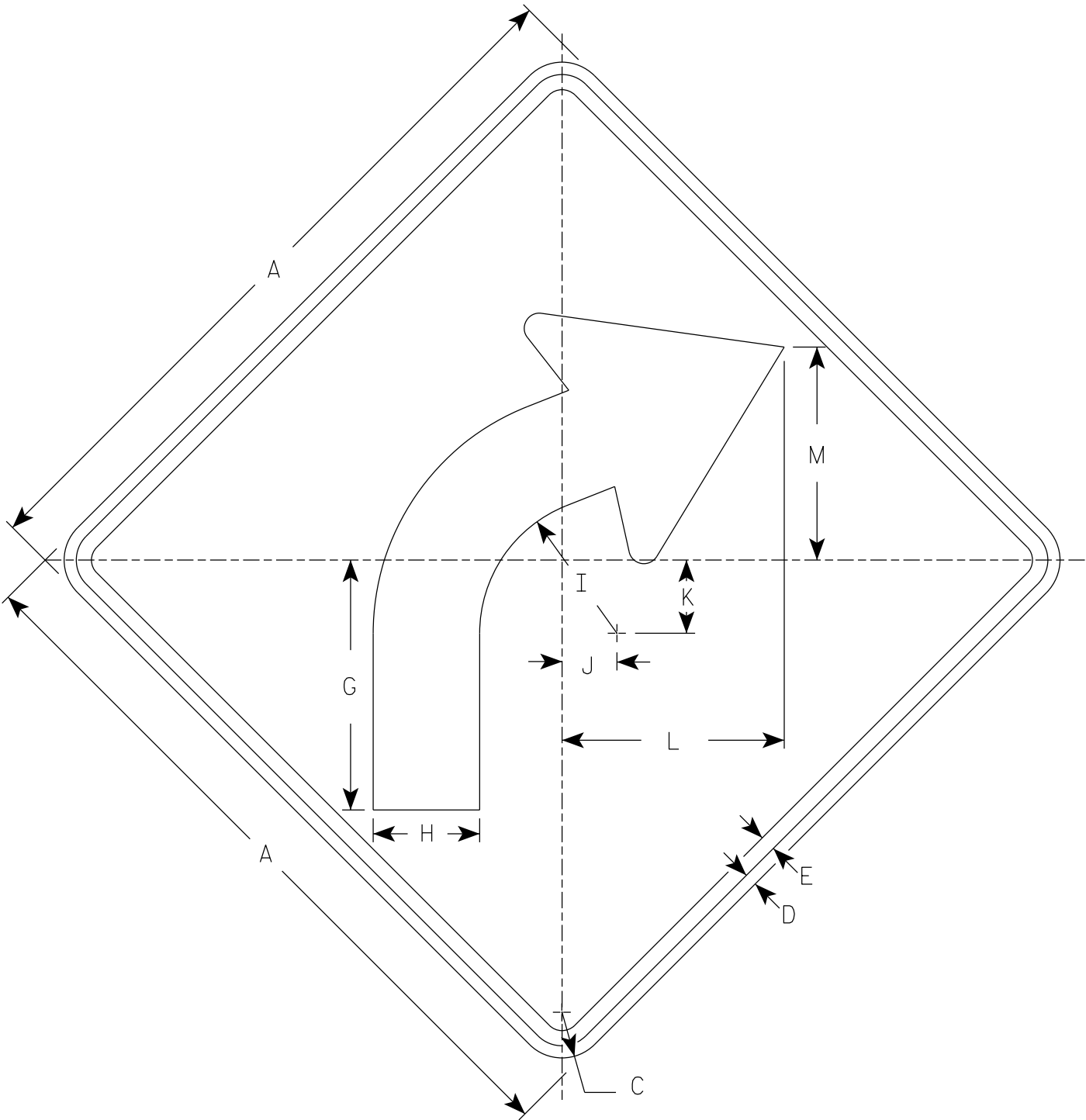
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

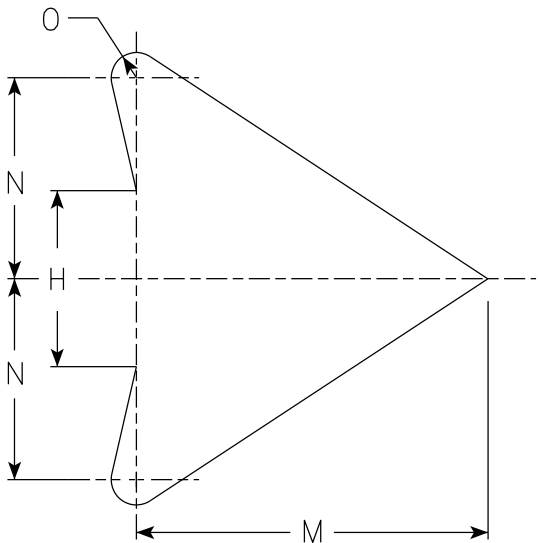
E



W1-2R

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

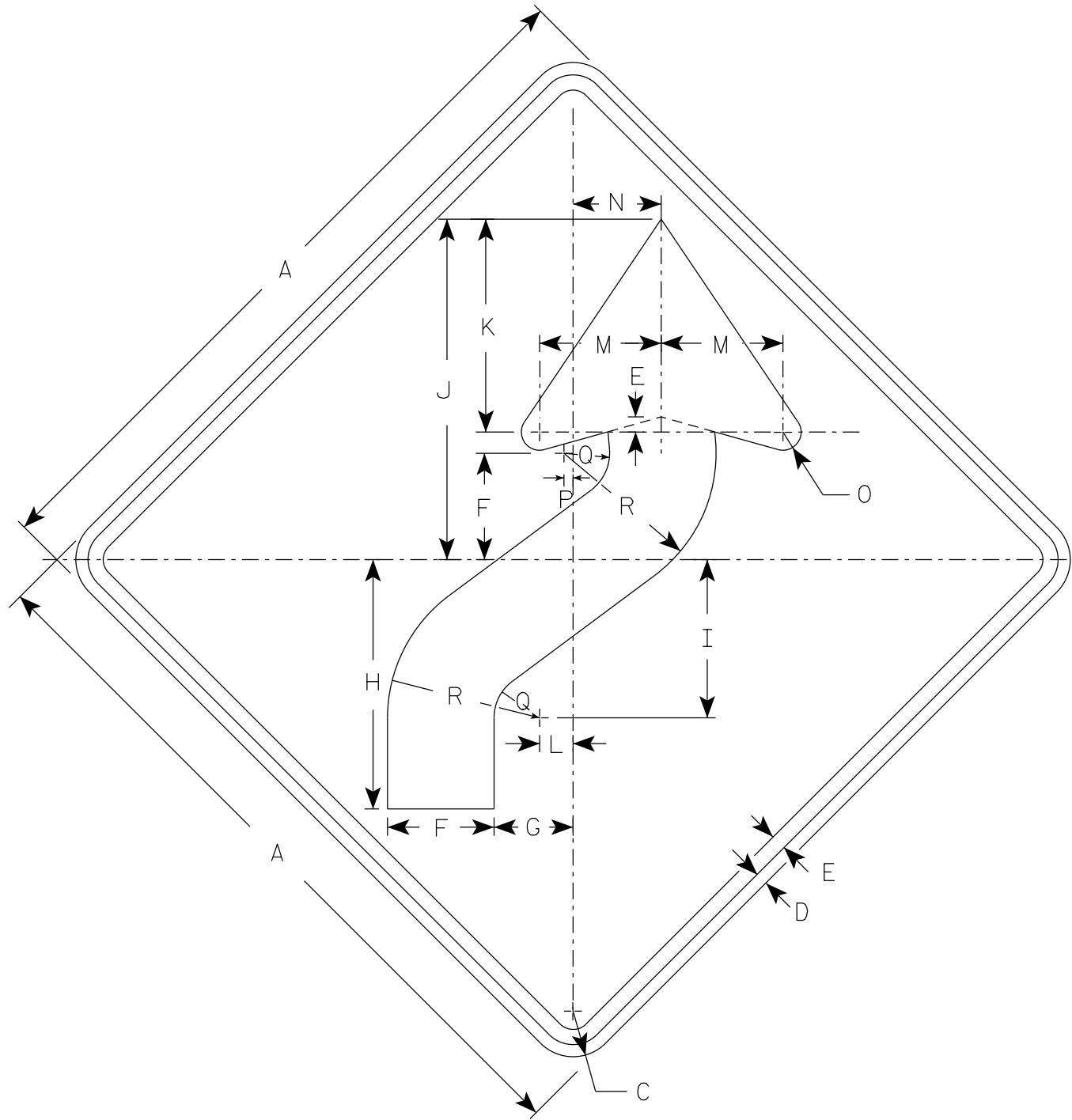
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 7/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-2.11



W1-4R

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

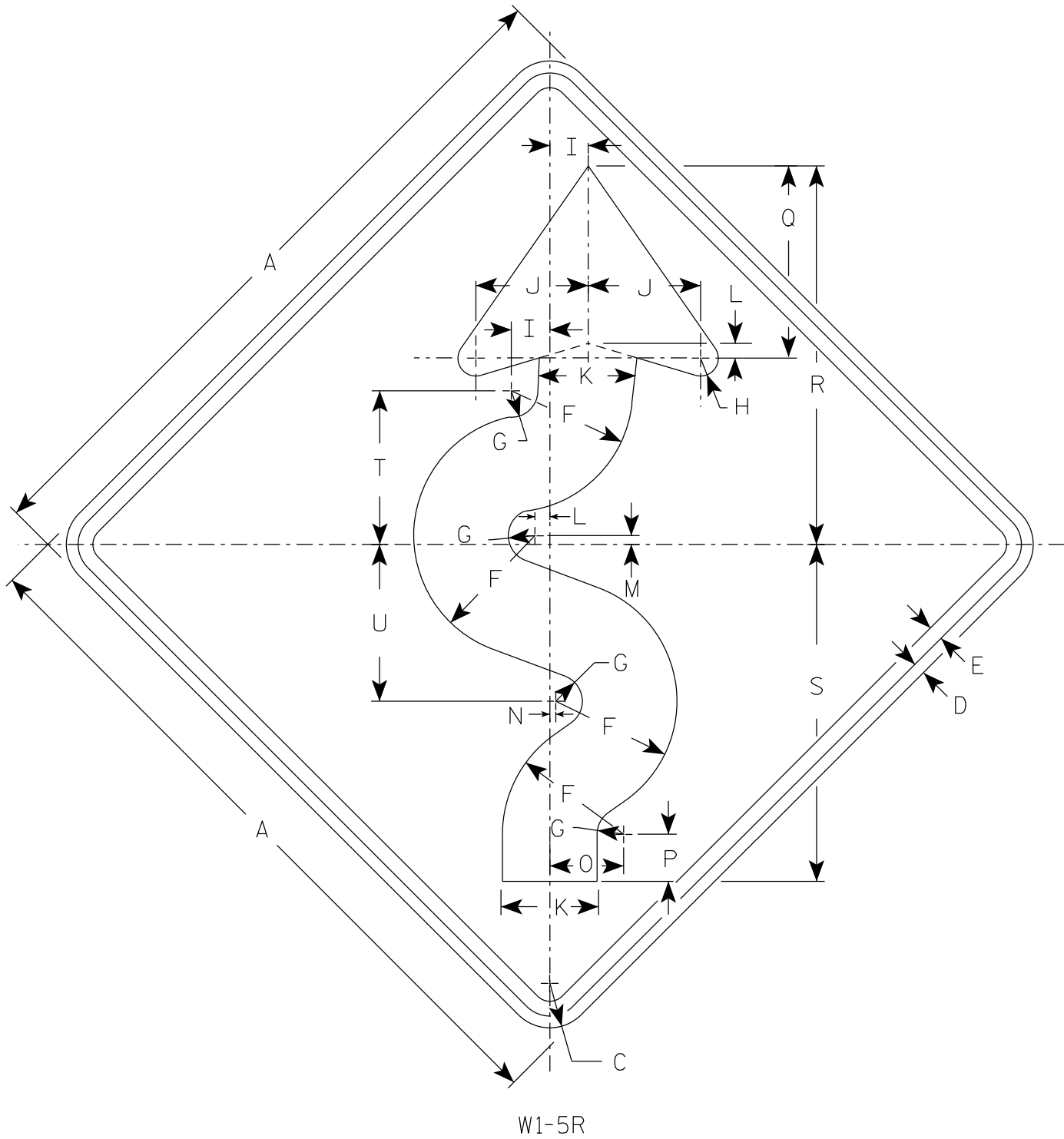
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 7/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W1 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-4.12



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.
- 4. If used with W13-1 of 30 MPH or less, use 36" sign for Size 2S.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	4 1/8	7/8	5/8	1 1/4	3 3/4	3 1/4	1/2	1/4	1/8	2 1/2	1 5/8	6 1/2	12 3/4	11 3/8	5 1/4	5 1/4						4.0
2S	30		1 7/8	1/2	5/8	5 1/8	1 1/8	3/4	1 5/8	4 3/4	4 1/8	5/8	3/8	1/4	3 1/8	2	8 1/8	16	14 1/4	6 1/2	6 5/8						6.25
2M	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
3	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
4	36		2 1/4	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
5	48		3	3/4	1	8 1/4	1 3/4	1 1/4	2 1/2	7 1/2	6 1/2	1	1/2	3/8	5	3 1/4	13	25 1/2	22 3/4	10 3/8	10 1/2						16.0

STANDARD SIGN

W1-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

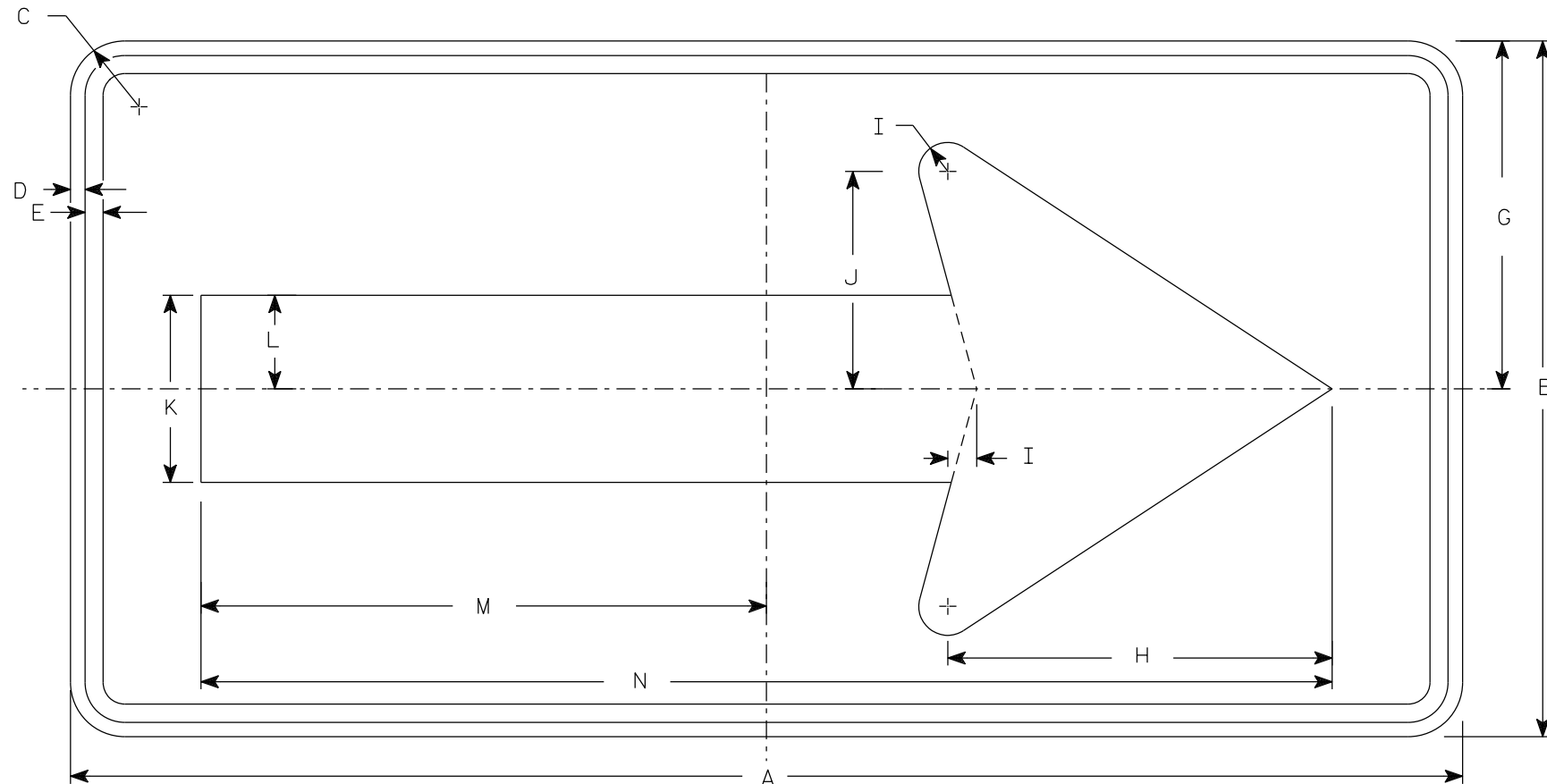
DATE 4/11/2023 PLATE NO. W1-5.10

7

7

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Yellow
 - Message - Black



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	3	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

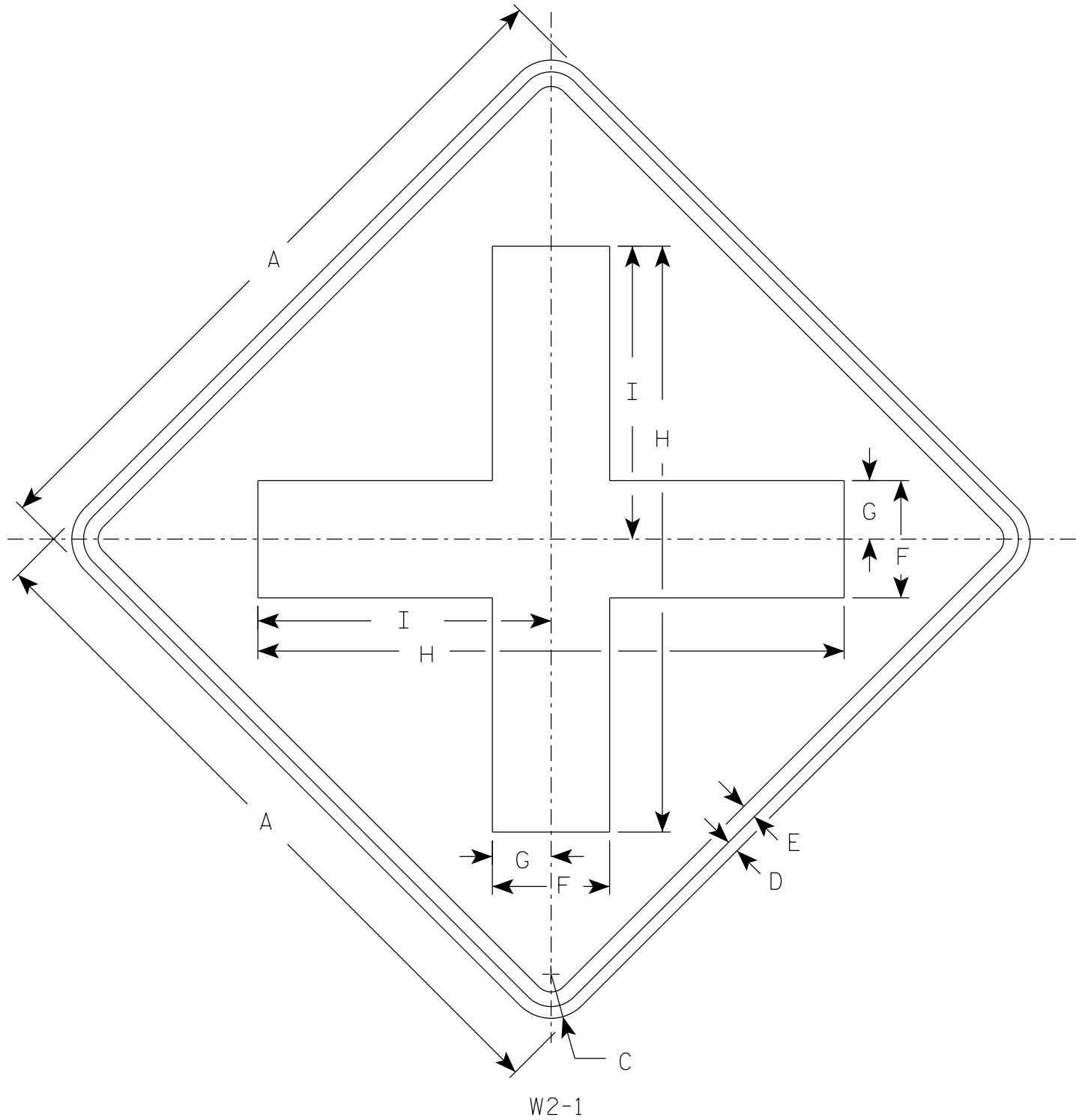
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 92

E



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	4	2	20	10																		4.0
2S	30		1 7/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 7/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		2 1/4	5/8	3/4	6	3	30	15																		9.0
4	48		3	3/4	1	8	4	40	20																		16.0
5																											

PROJECT NO:

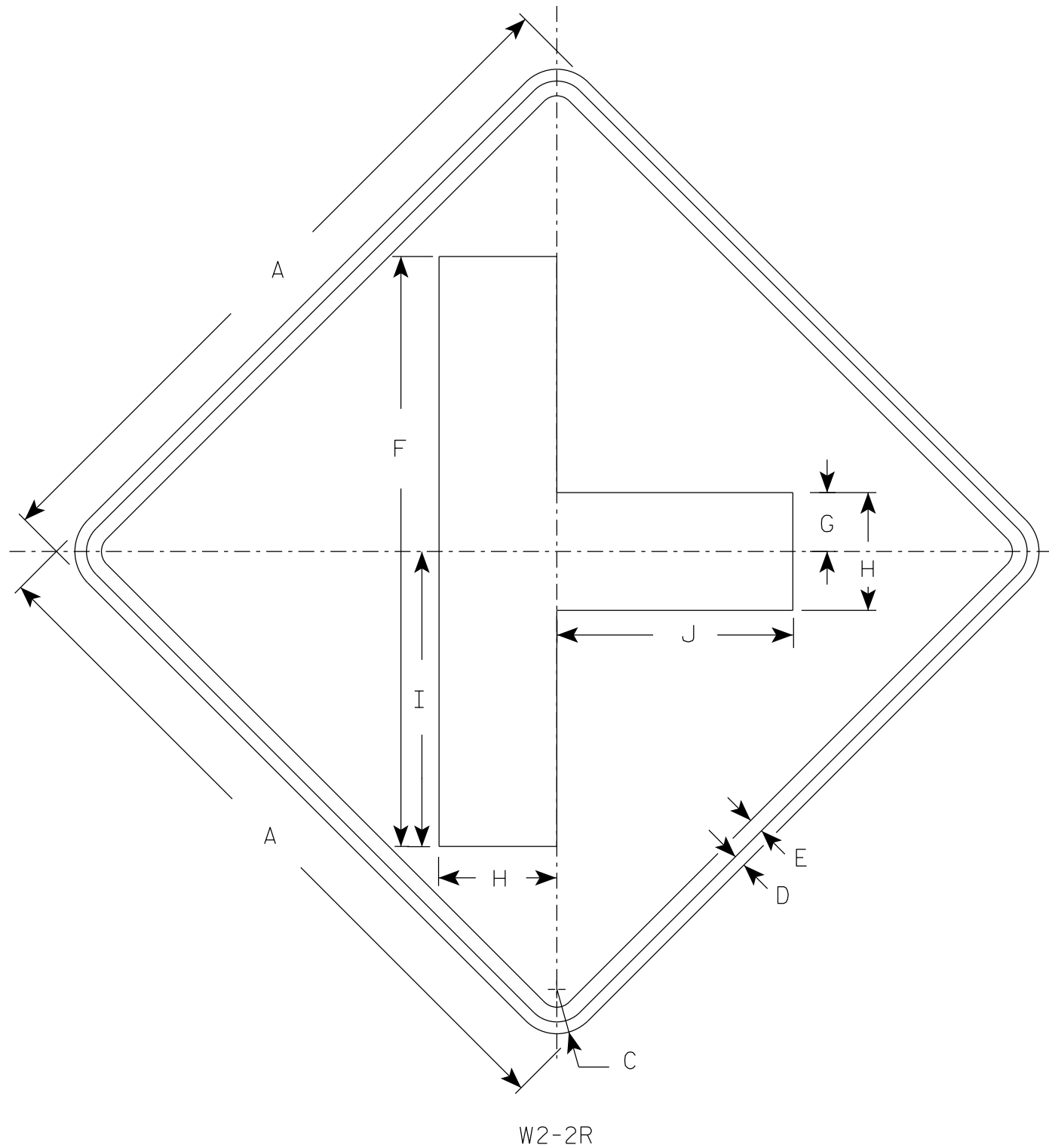
HWY:

COUNTY:

SHEET NO: 93

E

7



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. W2-2L same as W2-2R but is rotated 180° when mounted.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 7/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		2 1/4	5/8	3/4	30	3	6	15	12																	9.0
4	48		3	3/4	1	40	4	8	20	16																	16.0
5																											

STANDARD SIGN

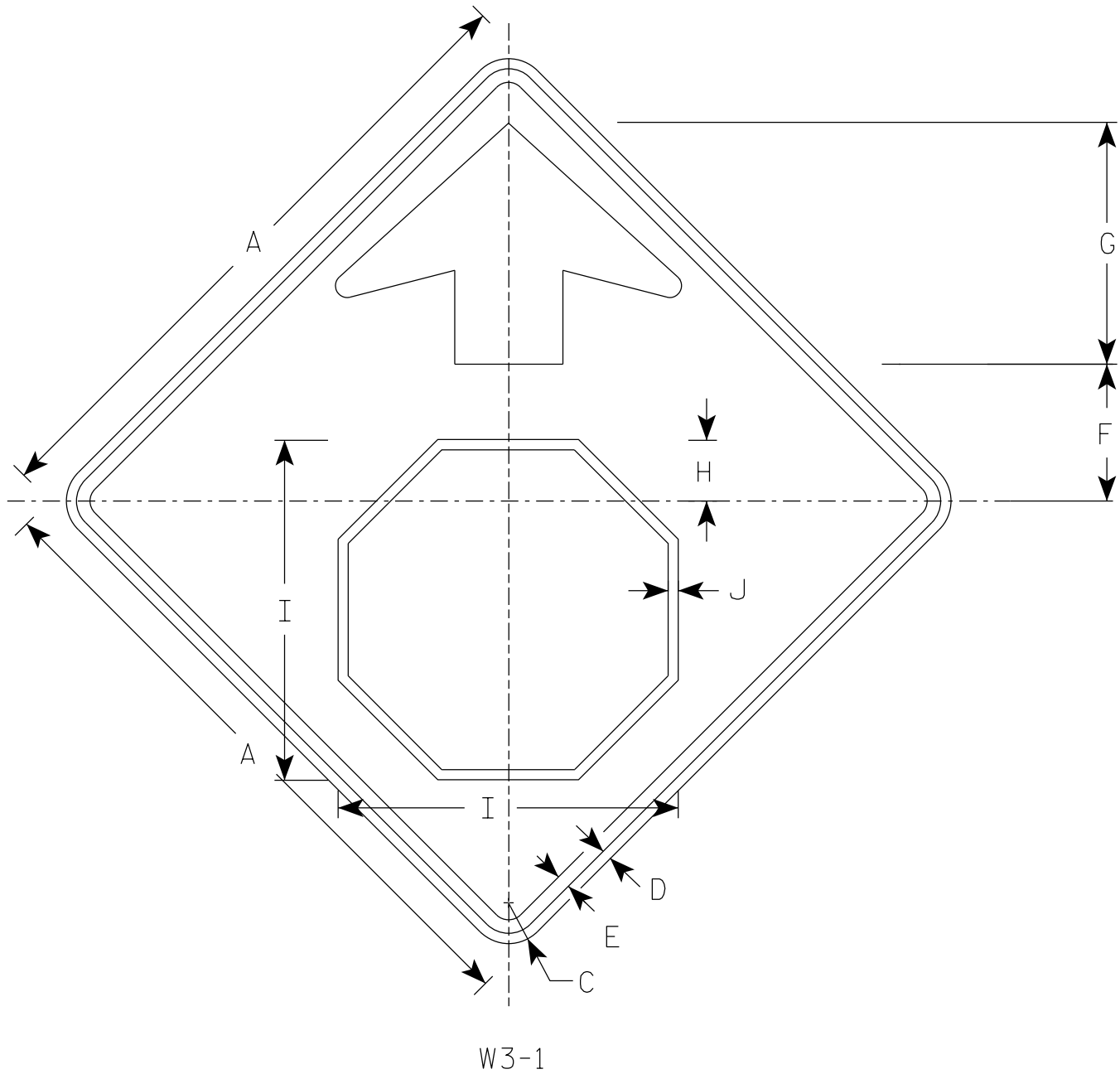
W2-2 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/16/2023 PLATE NO. W2-2.8

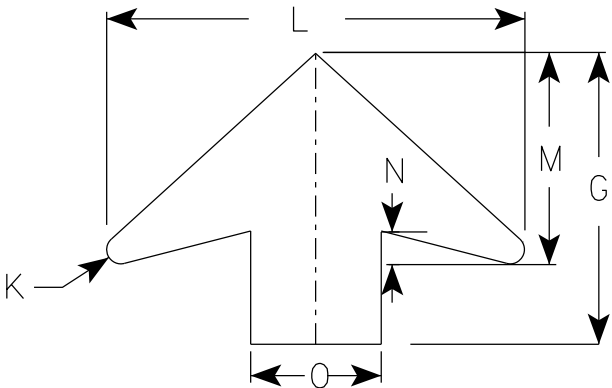
7



W3-1

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Yellow
 - Arrow & Border - Black
 - Stop Symbol - White Border on Red Background



ARROW DETAIL

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7⁄8	1⁄2	5⁄8	6 1⁄4	11 1⁄4	2 3⁄8	15 3⁄4	1⁄2	1⁄2	16	8	1 1⁄4	5												6.25
2S	36		2 1⁄4	5⁄8	3⁄4	7 1⁄2	13 1⁄2	3 1⁄2	19	5⁄8	5⁄8	19 1⁄4	9 3⁄4	1 5⁄8	6												9.0
2M	36		2 1⁄4	5⁄8	3⁄4	7 1⁄2	13 1⁄2	3 1⁄2	19	5⁄8	5⁄8	19 1⁄4	9 3⁄4	1 5⁄8	6												9.0
3	36		2 1⁄4	5⁄8	3⁄4	7 1⁄2	13 1⁄2	3 1⁄2	19	5⁄8	5⁄8	19 1⁄4	9 3⁄4	1 5⁄8	6												9.0
4	48		3	3⁄4	1	10	17 7⁄8	4 1⁄2	25 1⁄8	3⁄4	7⁄8	25 5⁄8	13	2	8												16.0
5	48		3	3⁄4	1	10	17 7⁄8	4 1⁄2	25 1⁄8	3⁄4	7⁄8	25 5⁄8	13	2	8												16.0

STANDARD SIGN

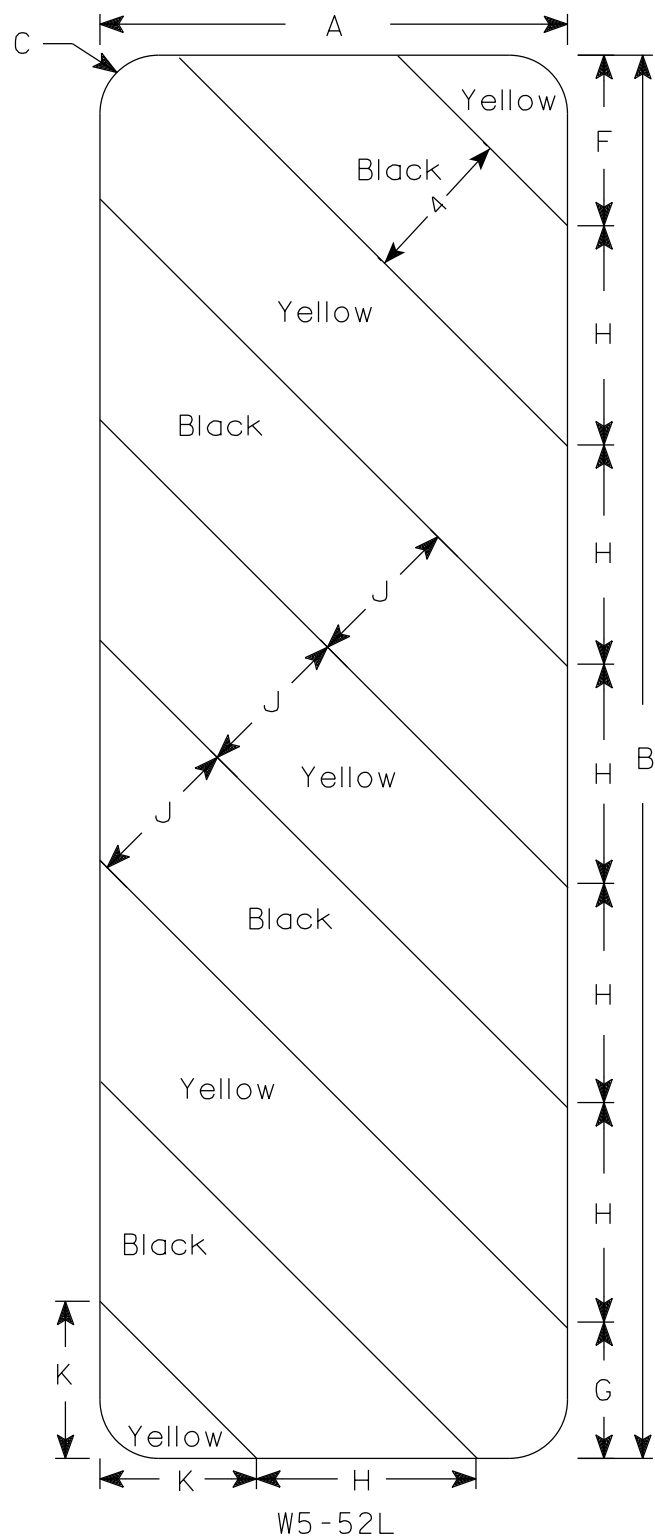
W3-1

WISCONSIN DEPT OF TRANSPORTATION

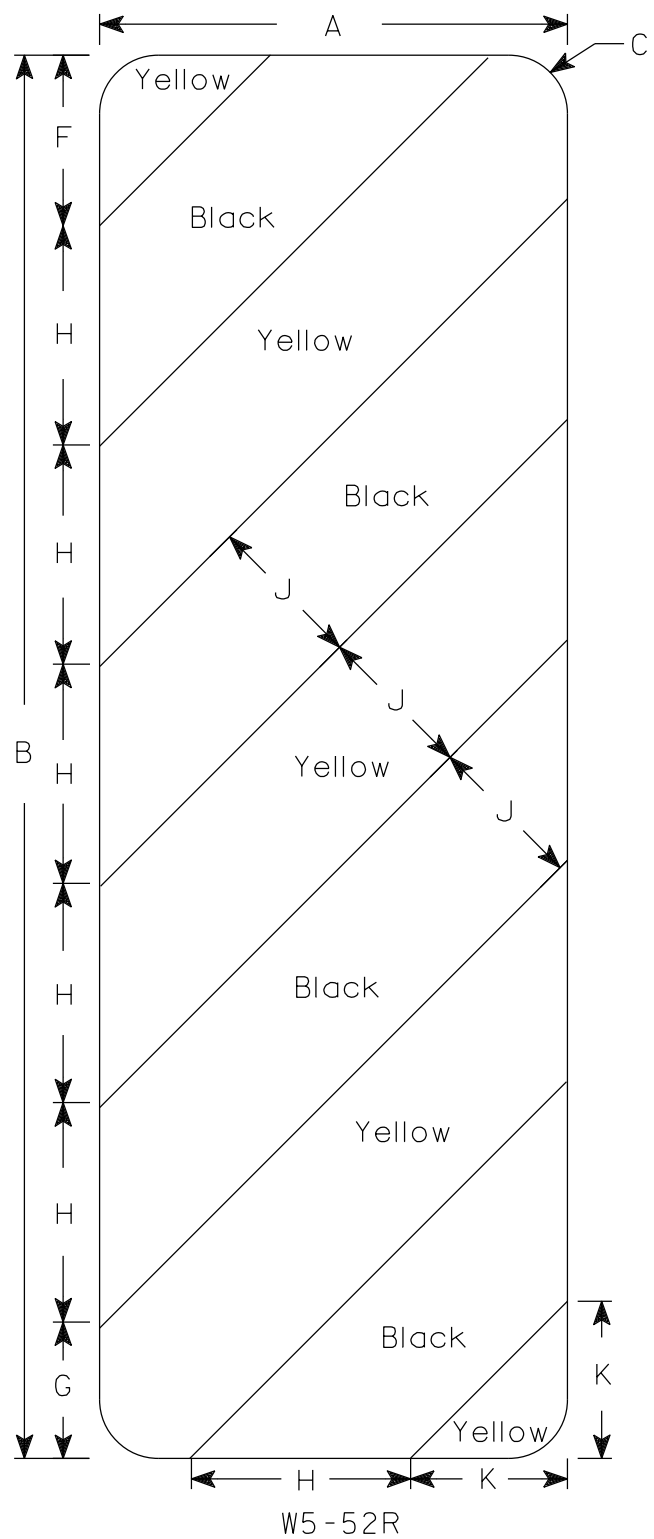
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/17/2023

PLATE NO. W3-1.13



W5-52L



W5-52R

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Yellow
 - Message - Black
- 3. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

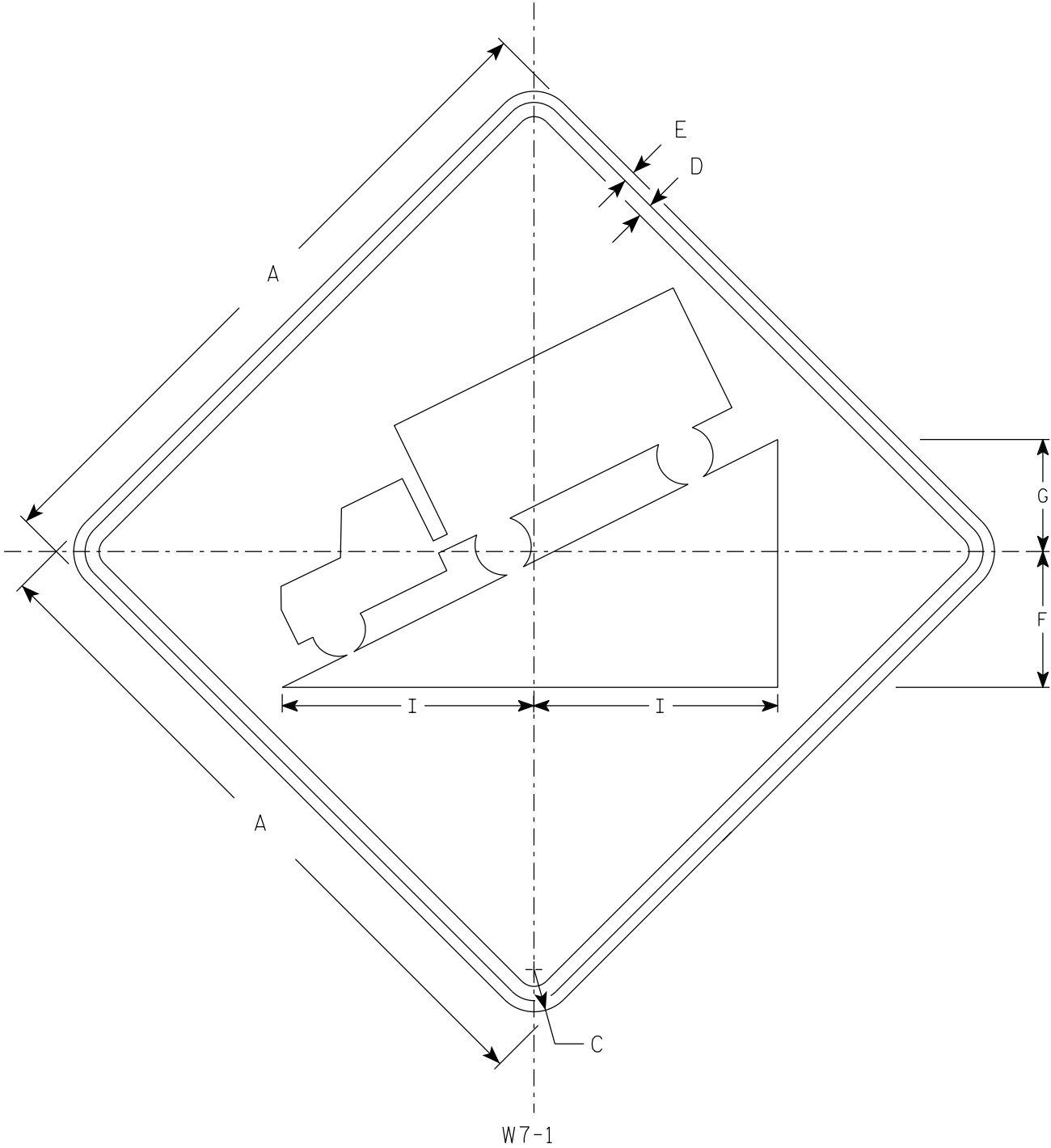
STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - D

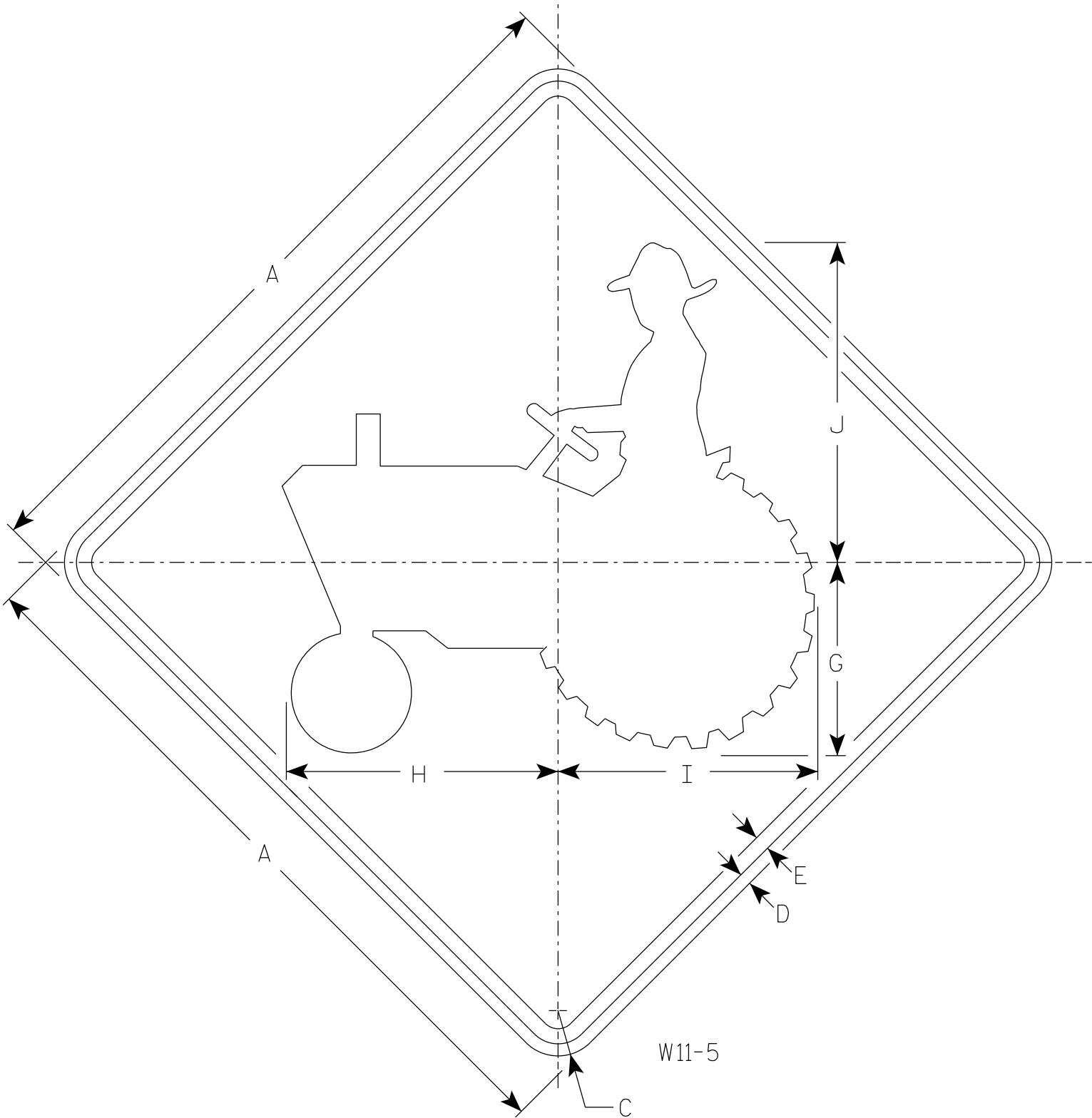
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	3/8	5	4		8 3/4																		4.0
2S	30		1 7/8	1/2	5/8	6	5		11																		6.25
2M	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
3	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
4	36		2 1/4	5/8	3/4	7 1/4	6		13 1/4																		9.0
5	48		3	3/4	1	9 3/4	8		17 1/2																		16.0

STANDARD SIGN
W7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 9/6/2023 PLATE NO. W7-1.14



NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Yellow
 - Message - Black

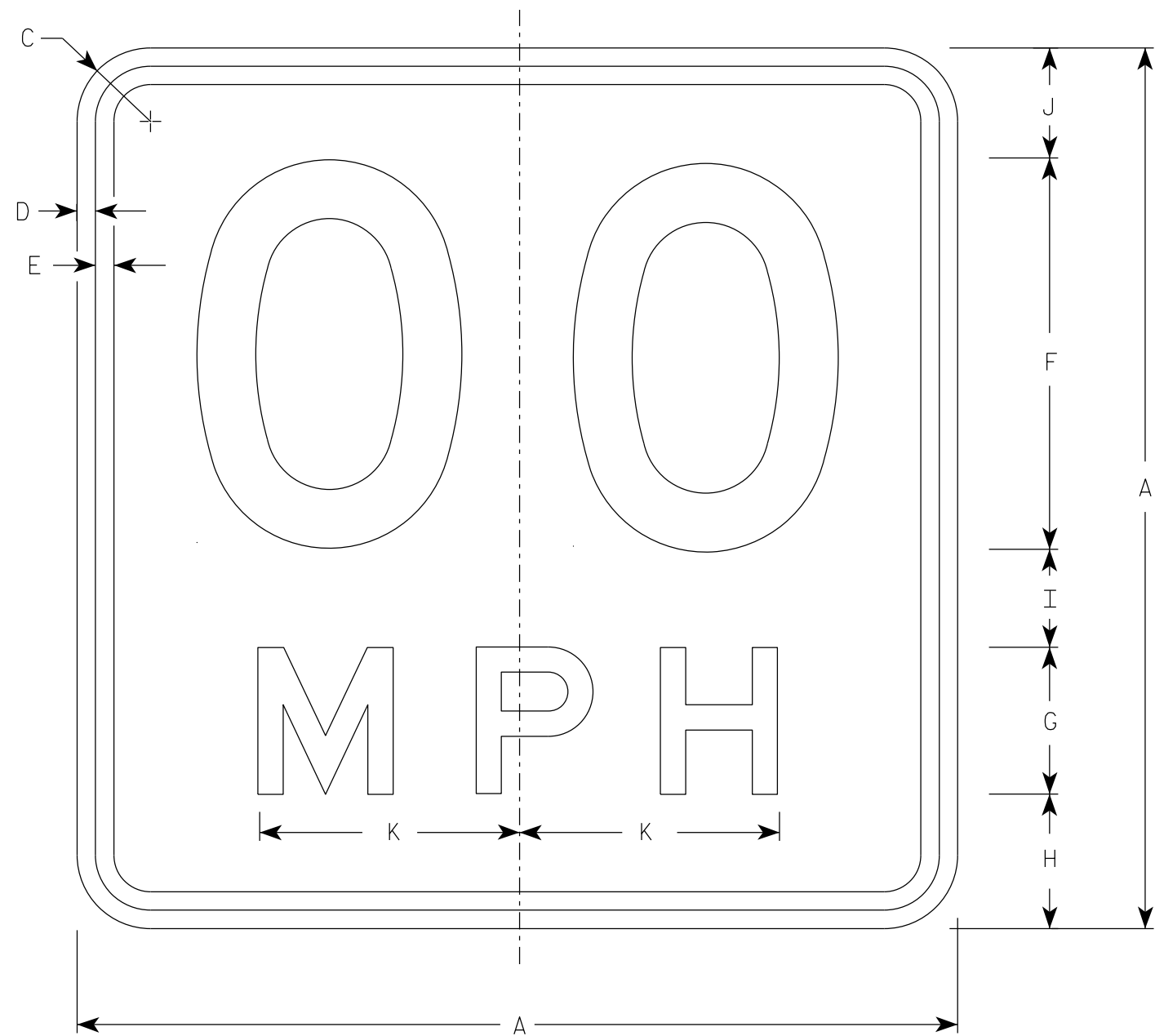
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0
2S	30		1 7/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
2M	30		1 7/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
3	36		2 1/4	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0
4	48		3	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0
5																											

STANDARD SIGN
W11-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W11-5.7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
Line 2 is Series E

W13-1

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
✱ 2S	1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8															2.25
	2	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8															2.25
✱ 2M	3	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8															2.25
	4	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8															4.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8															9.00
	6	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8															9.00

STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R. Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W13-1.17

PROJECT NO:

HWY:

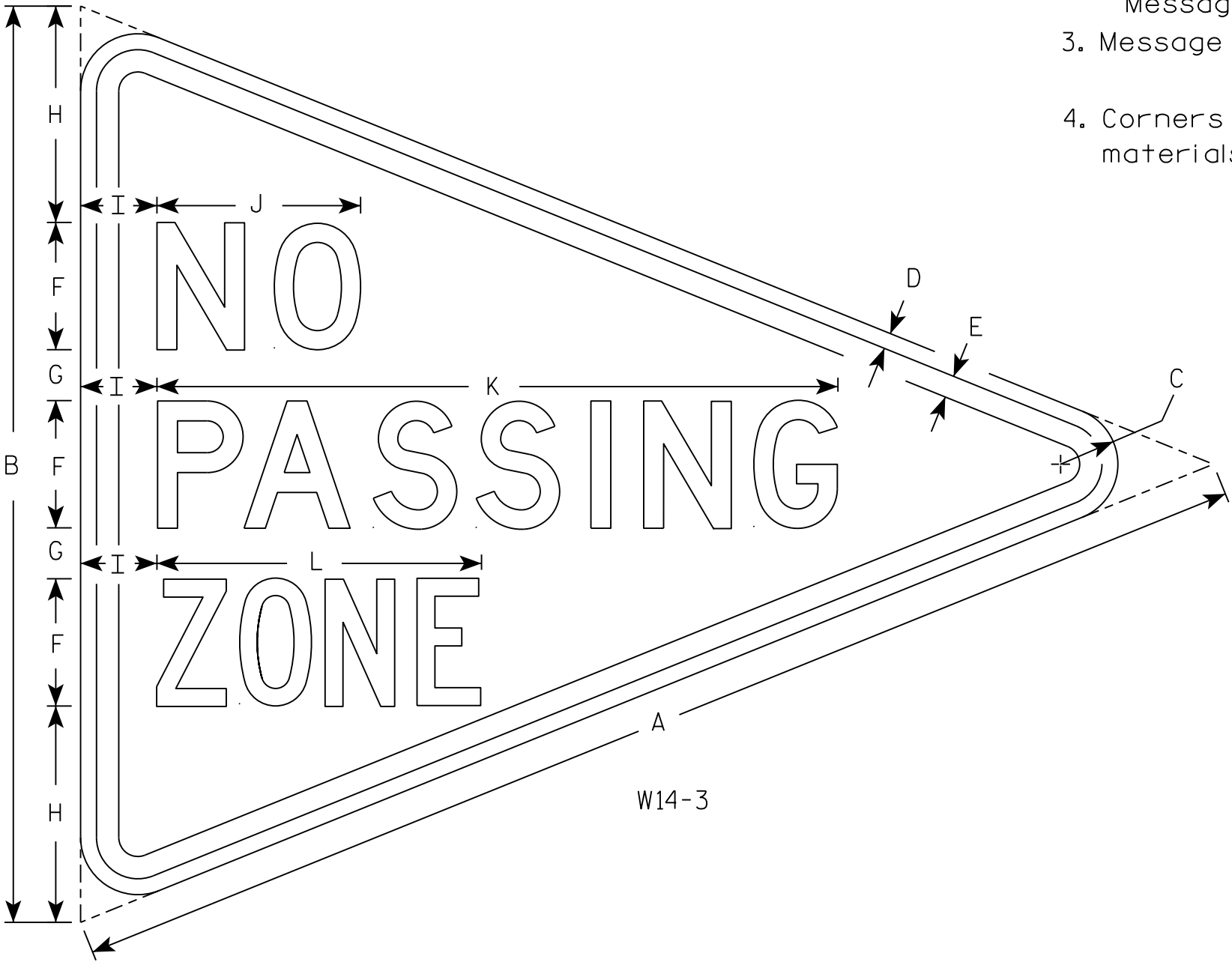
COUNTY:

SHEET NO:

E

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - Lines 1 and 2 are Series D.
Line 3 is series C.
- 4. Corners and borders shall be rounded on all base materials for this sign.



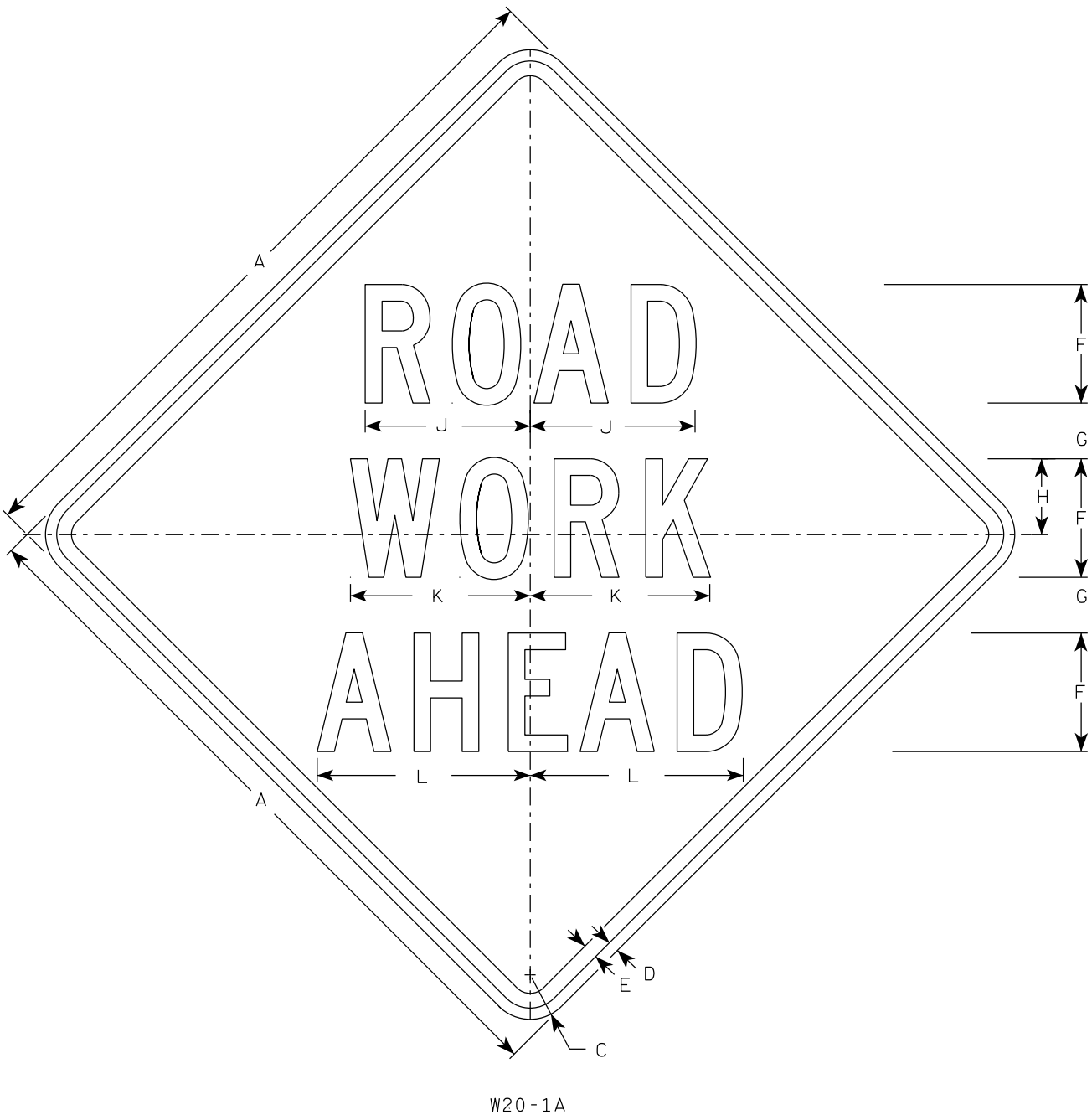
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

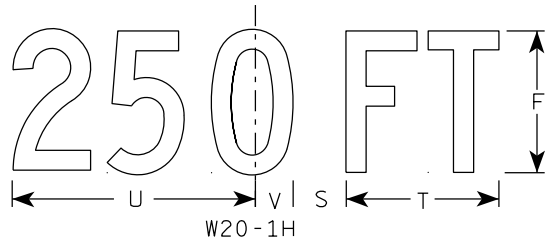
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

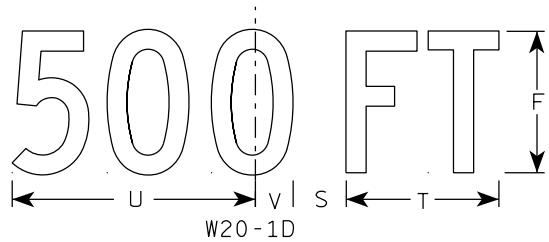
DATE 3/21/17 PLATE NO. W14-3.10



W20-1A



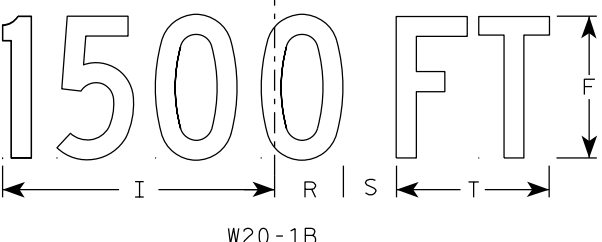
W20-1H



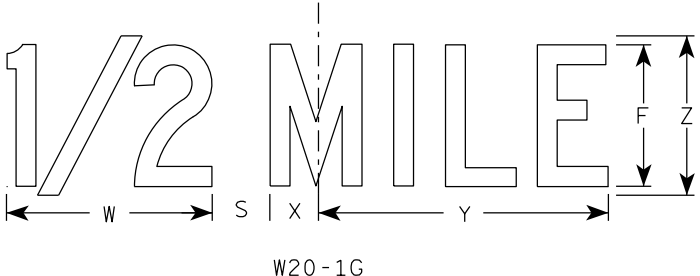
W20-1D



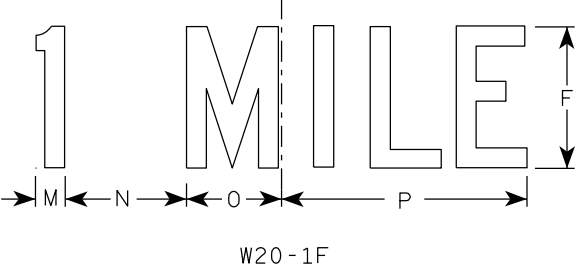
W20-1C



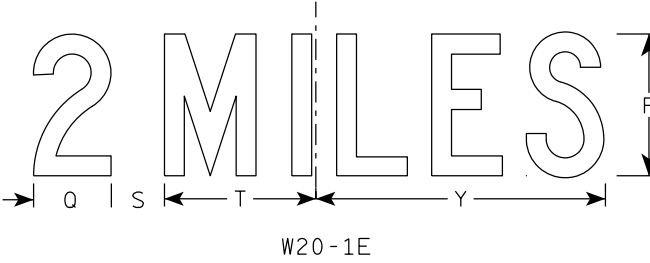
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

- 1. Sign is Type II - Type F Reflective
- 2. Color:
 - Background - Orange
 - Message - Black
- 3. Message Series - C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

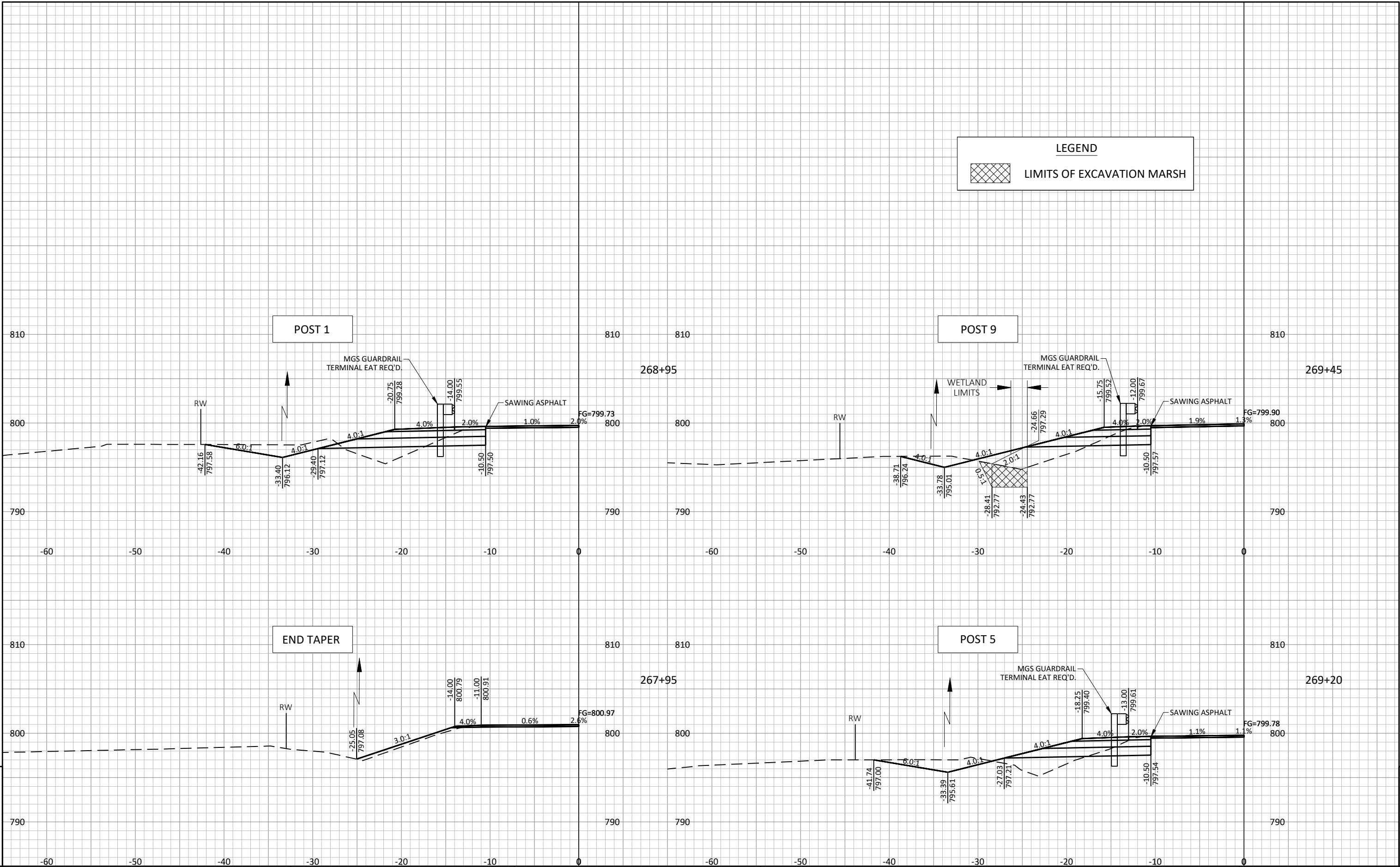
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

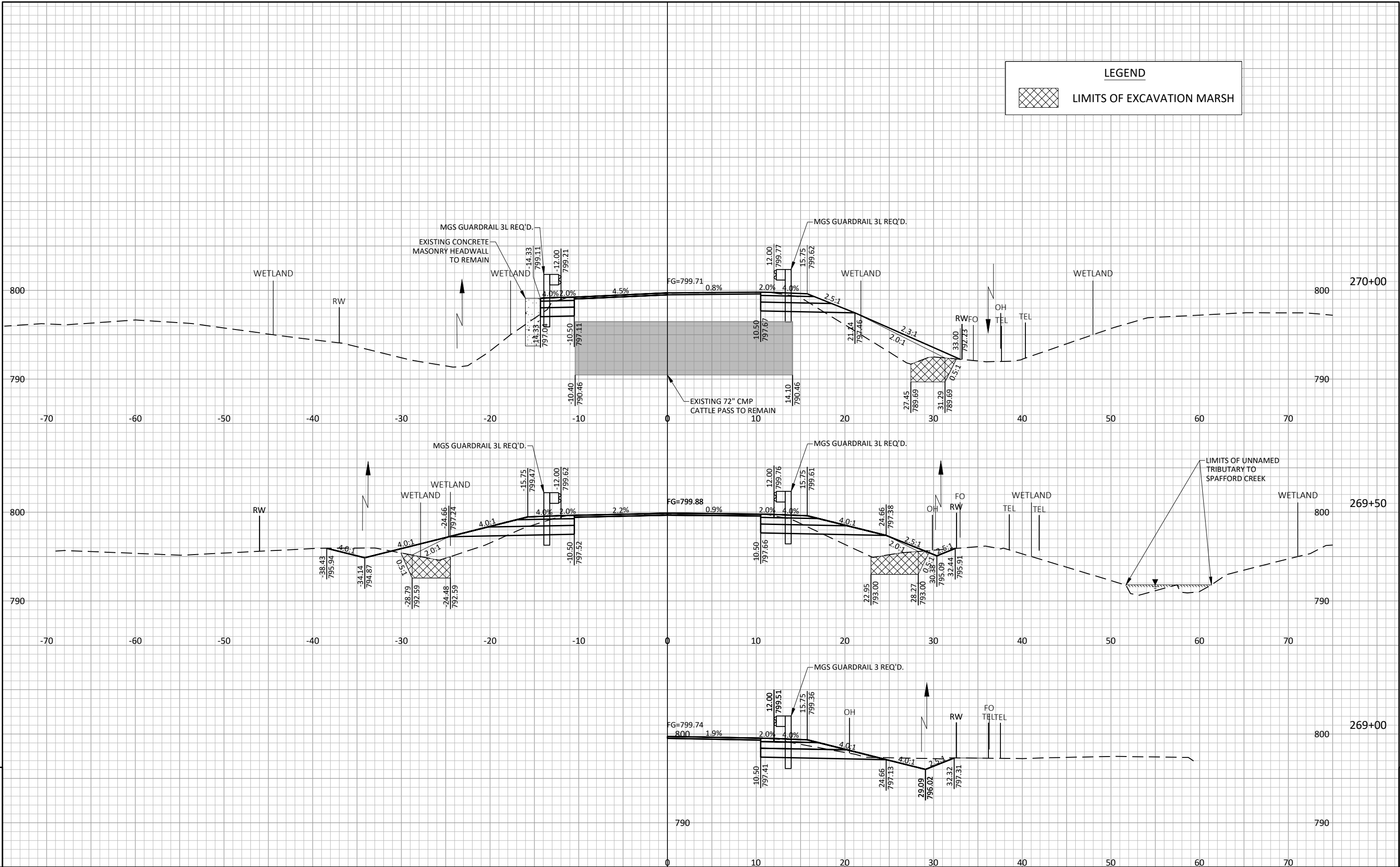
STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



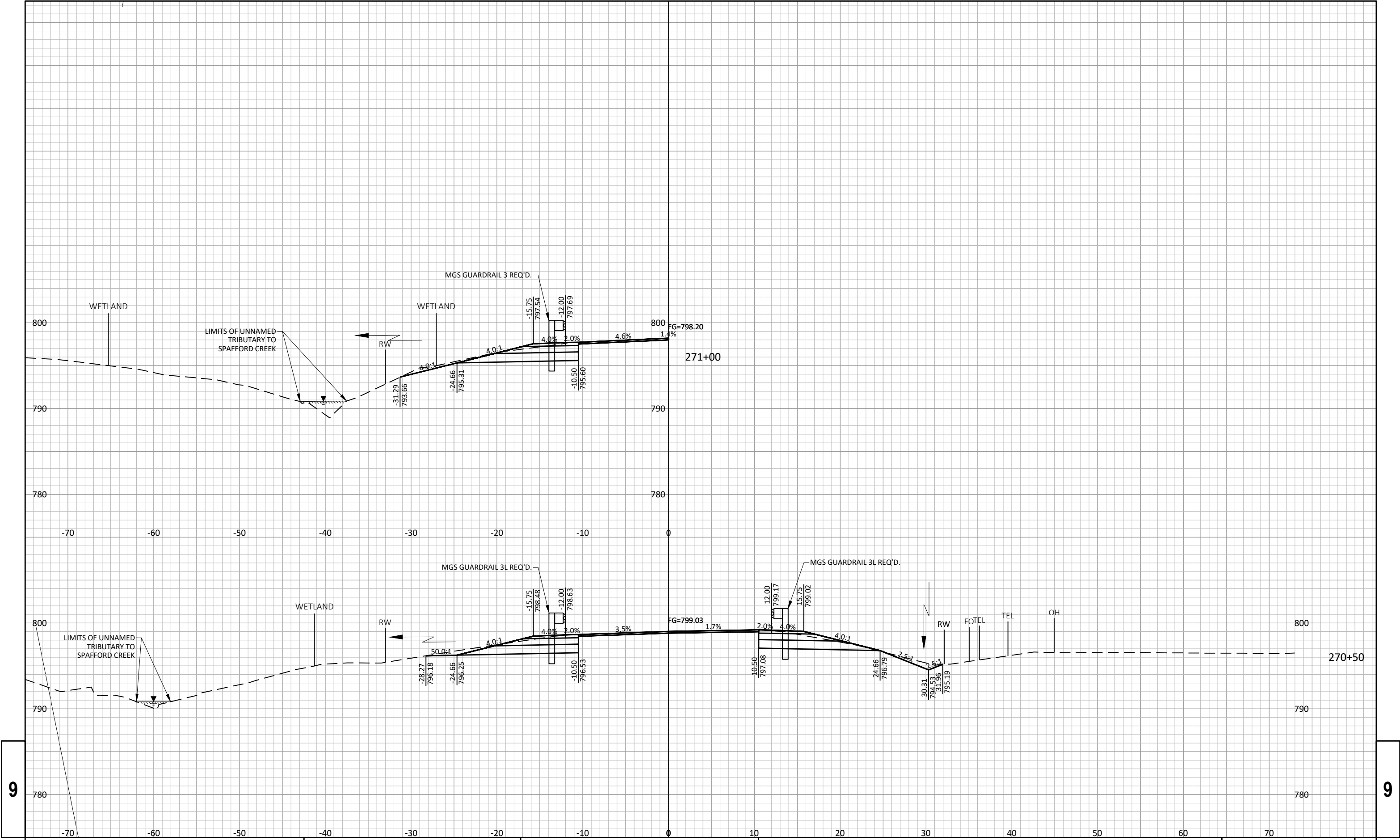


LEGEND

 LIMITS OF EXCAVATION MARSH

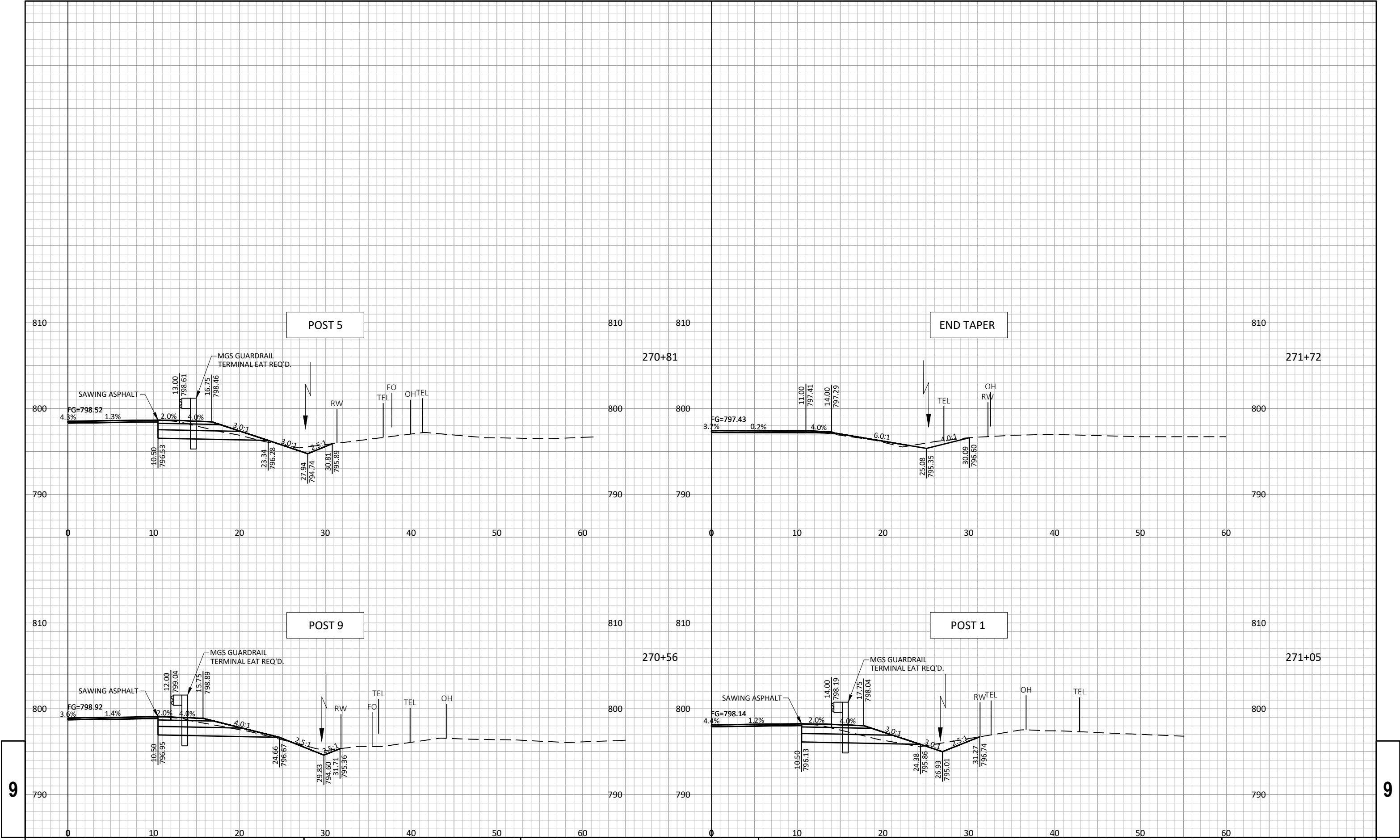
9

9



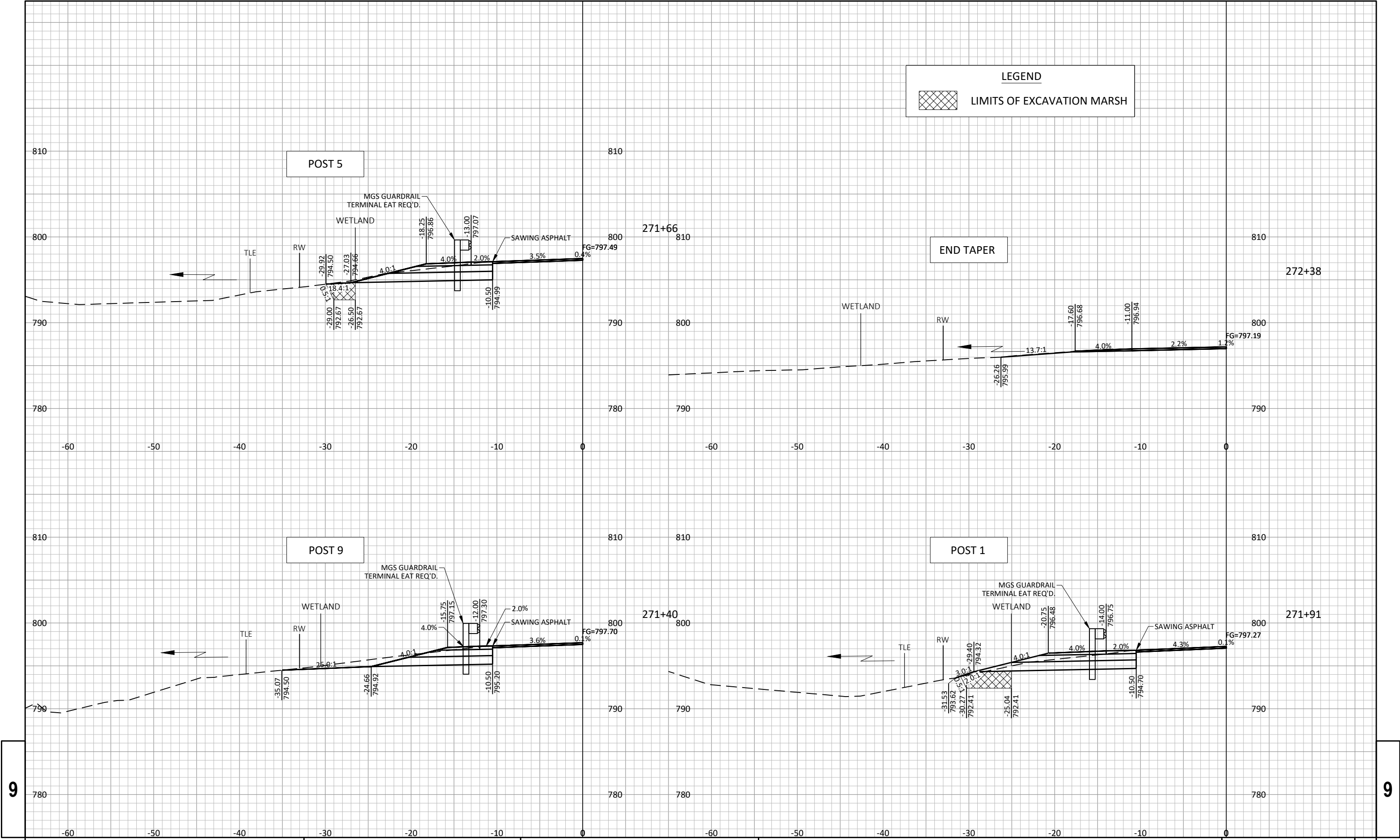
9

9



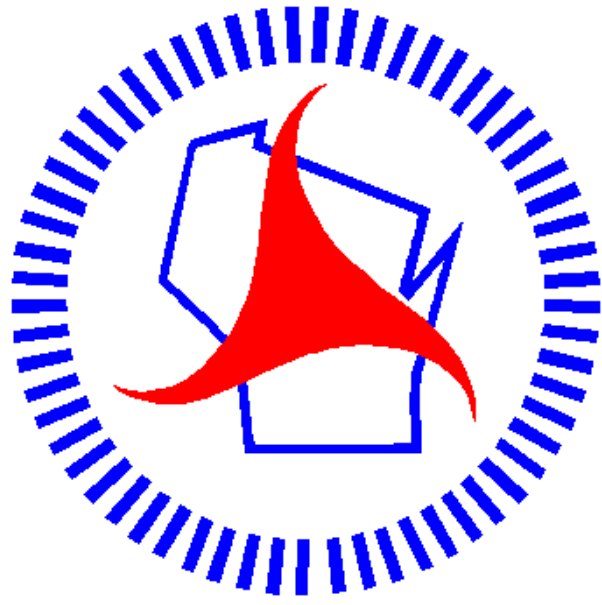
9

9



9

9



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