

GRE

PROJECT ID: 6513-03-71

WITH: N/A

COUNTY: OUTAGAMIE

MARCH 2025
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 = 54

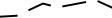
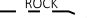


DESIGN DESIGNATION

A.A.D.T.	(2024)	=	650
A.A.D.T.	(2045)	=	690
D.H.V.		=	70
D.D.		=	50-50
T.		=	14.1%
DESIGN SPEED		=	45 MPH
ESALS		=	160,000

CONVENTIONAL SYMBOLS

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

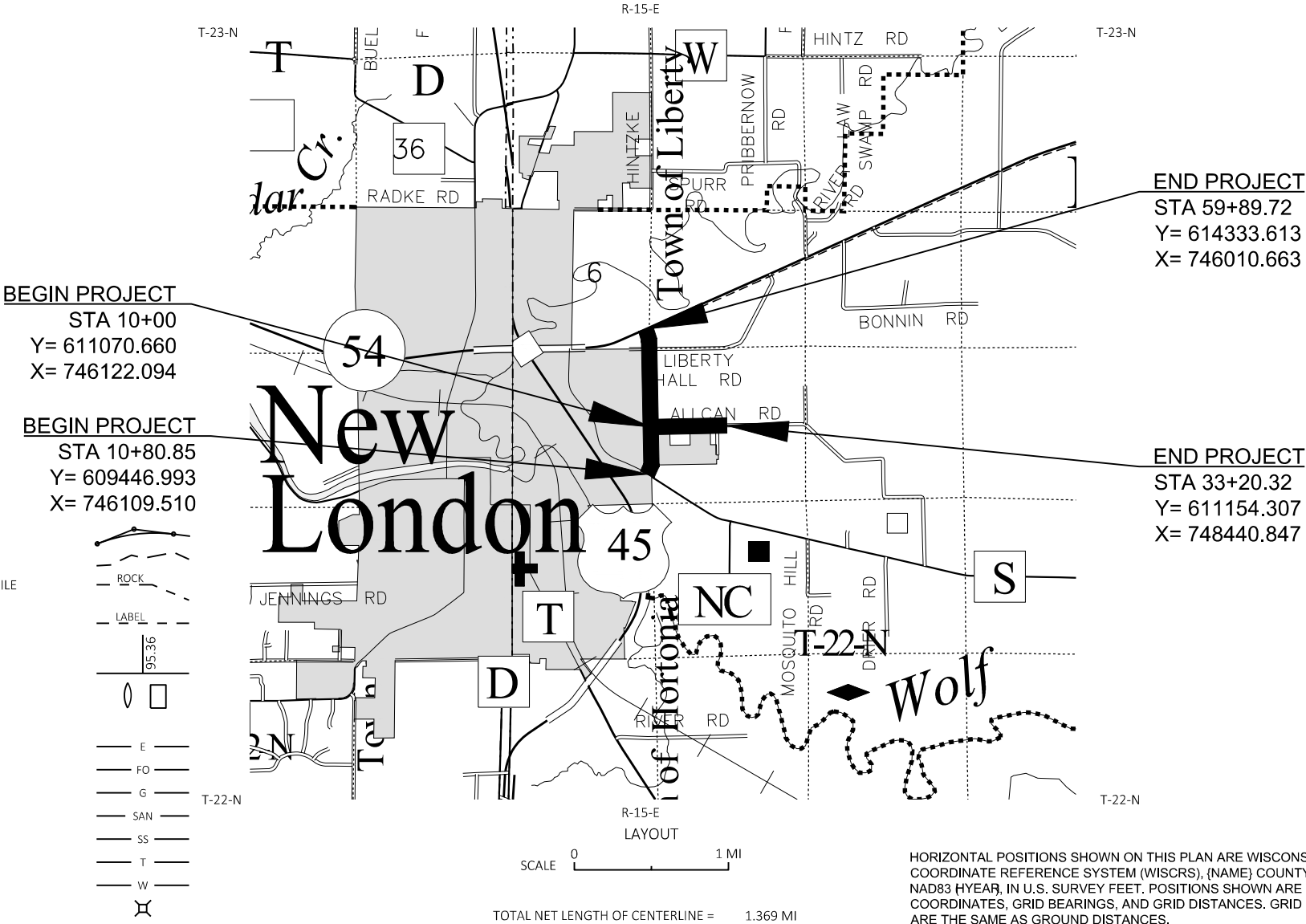
PLAN OF PROPOSED IMPROVEMENT

C NEW LONDON, HOUSE RD

CTH S - STH 54

LOCAL STREET
OUTAGAMIE COUNTY

STATE PROJECT NUMBER
6513-03-71



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), (NAME) COUNTY, NAD83 HYEAR, 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 (YEAR). GPS DERIVED ELEVATIONS ARE BASED ON GEOID XX.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6513-03-71	WISC 2025385	1

ACCEPTED FOR
CITY OF NEW LONDON
DATE: 10/9/24
Signature: [Signature]
Director & Public Works

ORIGINAL PLANS PREPARED BY
WISCONSIN
RYAN J. KUBAT
E-50100
APPLETON WI
PROFESSIONAL ENGINEER
DATE: 10/10/24
Signature: [Signature]
Professional Engineer (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PREPARED BY: [Signature]
DESIGNER: [Signature]
PROJECT MANAGER: [Signature]
REGIONAL EXECUTIVE: [Signature]
REGIONAL SUPERVISOR: [Signature]

APPROVED FOR THE DEPARTMENT
DATE: 10/29/24
Signature: [Signature]
(Signature)

E

UTILITIES CONTACTS

AT&T WISCONSIN
COMMUNICATION LINE
KYLE WEBER
221 WEST WASHINGTON STREET
APPLETON, WI 54911
PHONE: OFFICE: (920) 221-5969
EMAIL: KW715W@ATT.COM

CITY OF NEW LONDON
SANITARY SEWER
ROBERT GARSKE (DIRECTOR OF PUBLIC WORKS)
215 N SHAWANO STREET
NEW LONDON, WI 54961
PHONE:
PHONE: OFFICE: (920) 982-8503
EMAIL: RGARSKE@NEWLONDONWI.ORG

NEW LONDON UTILITIES
ELECTRIC
MIKE FREDERICK
400 E NORTH WATER STREET
NEW LONDON, WI 54961
PHONE: MOBILE: (920) 359-0784
PHONE: OFFICE: (920) 982-8516
EMAIL: MFREDERICK@NLUWI.ORG

NEW LONDON UTILITIES
WATER
MIKE PINCH
400 E NORTH WATER STREET
NEW LONDON, WI 54961
PHONE:
PHONE: OFFICE: (920) 982-8516
EMAIL: MPINCH@NLUWI.ORG

WE ENERGIES
ELECTRIC
ZACHARY DUGA
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54912
PHONE: MOBILE: (920) 450-9314
PHONE: OFFICE: (920) 380-3458
EMAIL: ZACHARY.DUGA@WE-ENERGIES.COM

WE ENERGIES
GAS/ PETROLEUM
CODY BEKMAN
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54912
PHONE: MOBILE: (920) 428-1038
PHONE: OFFICE: (920) 380-3422
EMAIL: CODY.BECKMAN@WE-ENERGIES.COM

SPECTRUM
COMMUNICATION LINE
BILL PARMENTER
853 MCINTOSH STREET
WAUSAU, WI 54401
PHONE: MOBILE (608) 301-6189
EMAIL: BILL.PARMENTER@CHARTER.COM

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PAVEMENT MARKING AND SIGNING
- TRAFFIC CONTROL

WISCONSIN DNR LIAISON

MATT SCHAEVE
NORTHEAST REGION
2984 SHAWANO AVE
GREEN BAY, WI 54313
PHONE: (920) 366-1544
EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

CITY OF NEW LONDON

ROBERT GARSKE
DIRECTOR OF PUBLIC WORKS
215 N SHAWANO STREET
NEW LONDON, WI 54961
PHONE: (920) 982-8503
EMAIL: RGARSKE@NEWLONDONWI.ORG

COUNTY HIGHWAY COMMISSIONER

DEAN STEINGRABER, P.E.
OUTAGAMIE COUNTY
1313 HOLLAND ROAD
APPLETON, WI 54911-8947
PHONE: (920) 832-5673
EMAIL: DEAN.STEINGRABER@OUTAGAMIE.ORG

NE REGION CONTRACT

MIKE COHEN, P.E.
WISCONSIN DOT
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 360-1426
EMAIL: MICHAEL.COHEN@DOT.WI.GOV

DESIGN CONSULTANT

RYAN KUBAT, P.E.
MCMAHON ASSOCIATES
1445 MCMAHON DRIVE
NEENAH, WI 54956
PHONE: (920) 751-4200
EMAIL: RKUBAT@MCMGRP.COM

GENERAL NOTES

THE MAINLINE REFERENCE LINE OF HOUSE ROAD AND ALLCAN ROAD IS APPROXIMATELY THE CENTER OF EXISTING PAVEMENT .

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

EXISTING TURF SHOULDER REMOVAL TO BE PAID AS EXCAVATION COMMON AS SHOWN ON THE TYPICAL SECTION OR AS DIRECTED BY THE ENGINEER.

ENSURE NO EXISTING TURF SHOULDER MATERIAL IS INCORPORATED INTO THE PULVERIZING OPERATIONS.

EXACT LOCATIONS AND WIDTHS OF DRIVEWAYS AND PRIVATE FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PAVEMENT EDGE DROPS ARE PRESENT AT SPOT LOCATIONS ALONG THE PROJECT LENGTH. RESTORE GRAVEL SHOULDERS WITH BASE AGGREGATE DENSE 3/4-INCH AT THE DEPTHS AND LOCATIONS DETERMINED 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 CONTRACTORS PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, PASSING, OR TURNING LANE.

VERTICAL DATUM

ELEVATIONS ARE REFERENCED TO NGS DATA:
CONTROL POINT NAME: NEW LONDON GPS AZ MK
POINT ID: DE7423 NAVD 88 DATUM
BY GPS OBSERVATION TO ELEVATION = 761.65 (2007 ADJUSTMENT)
LEVEL LOOP PER FIELD BOOK 1543 PAGES 32-35

HORIZONTAL DATUM

COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM AS PUBLISHED FOR OUTAGAMIE COUNT NAD 83 (1991)

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
LAND USE:												
ROW CROPS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
			.32			.34			.36			.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 = 11.42 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.18 ACRES

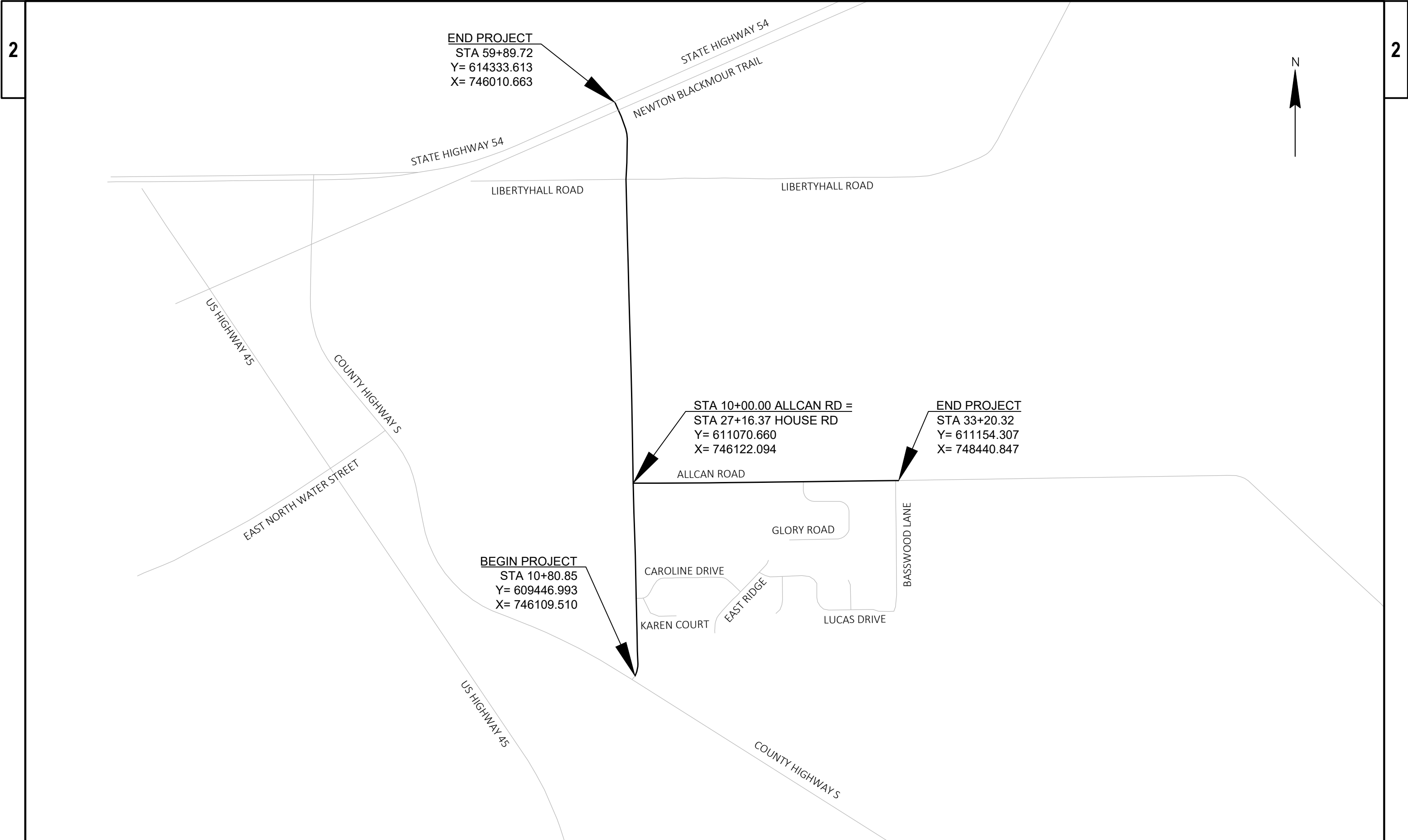
DIGGERSHOTLINE

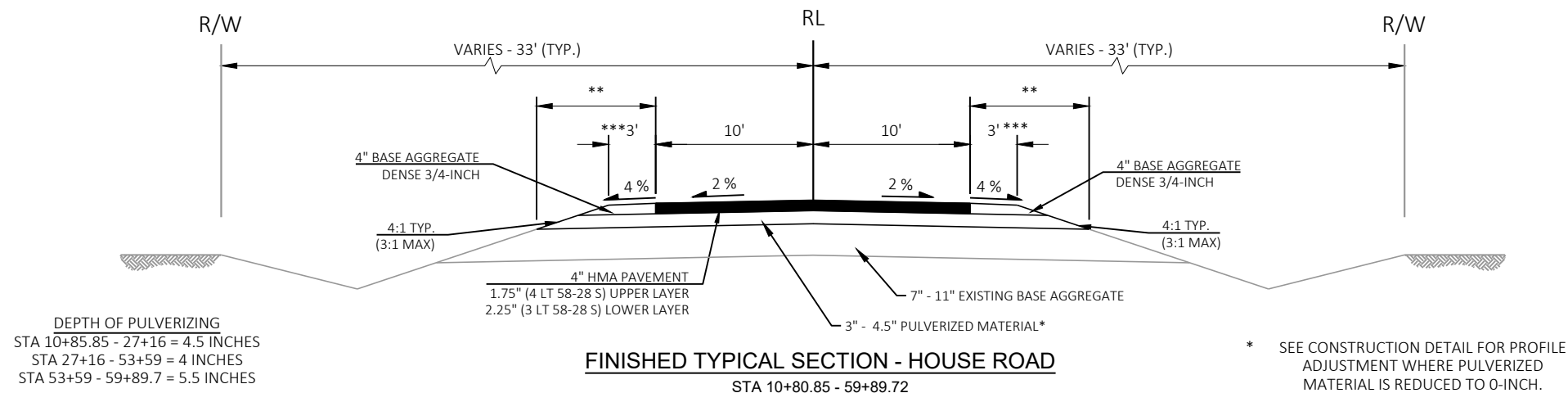
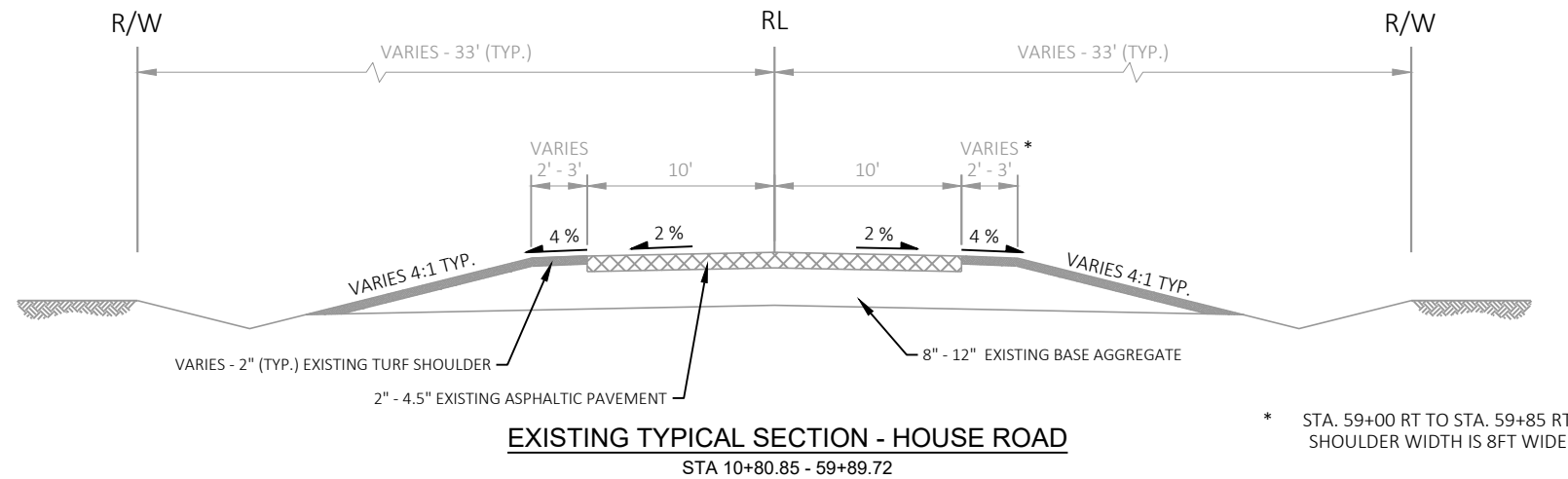
Dial 811 or (800)242-8511

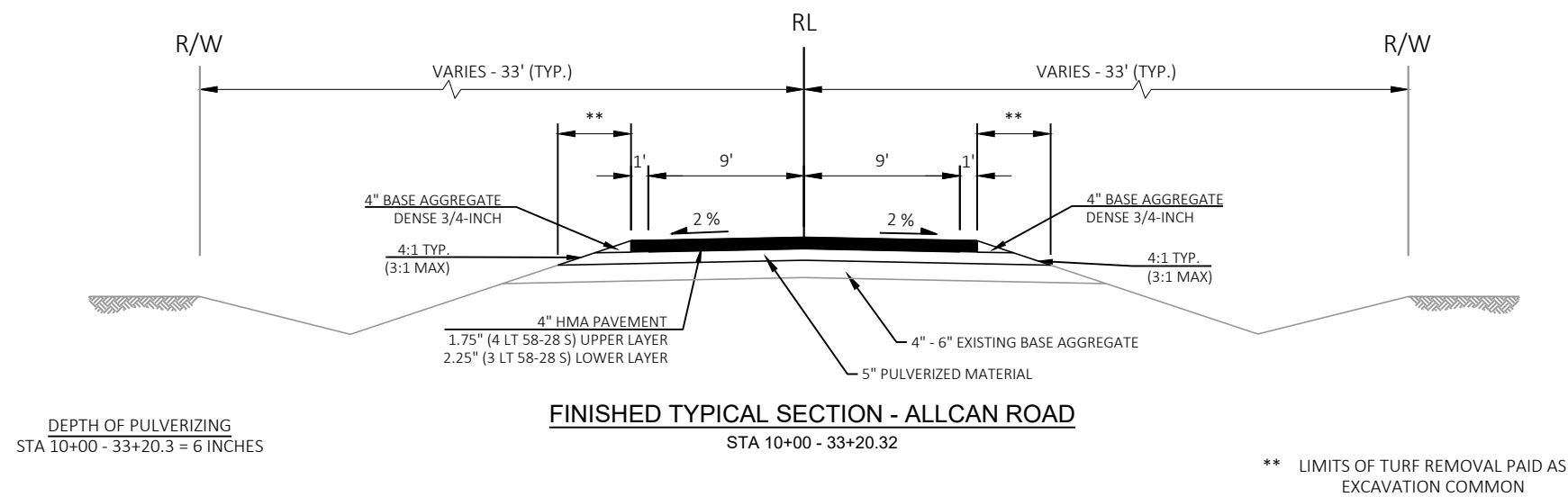
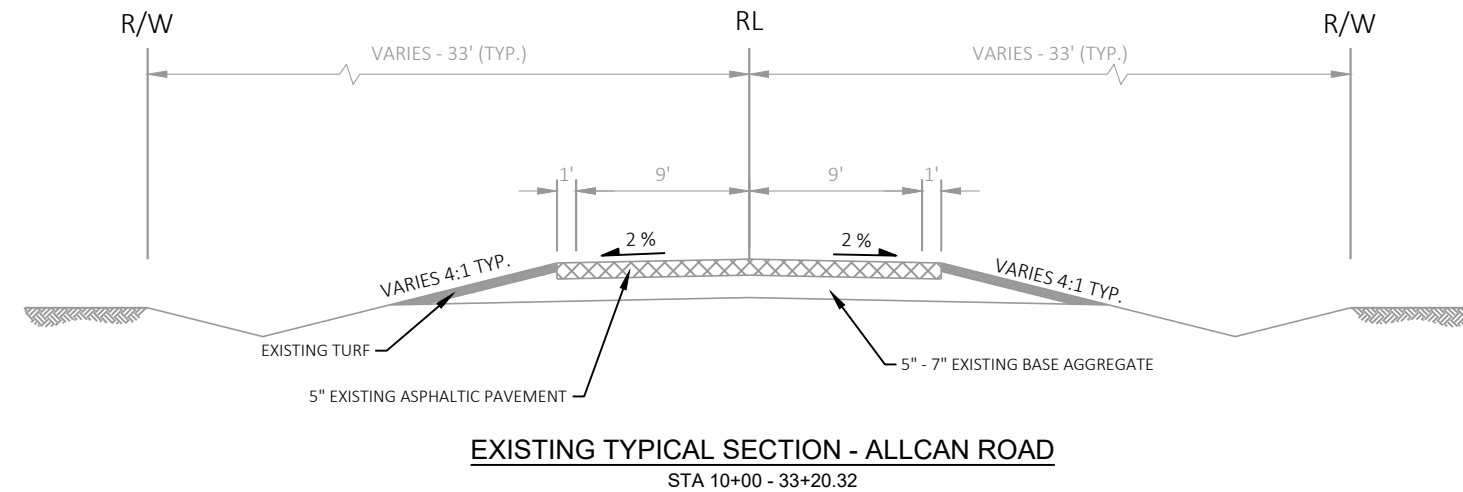
www.DiggersHotline.com

STANDARD ABBREVIATIONS

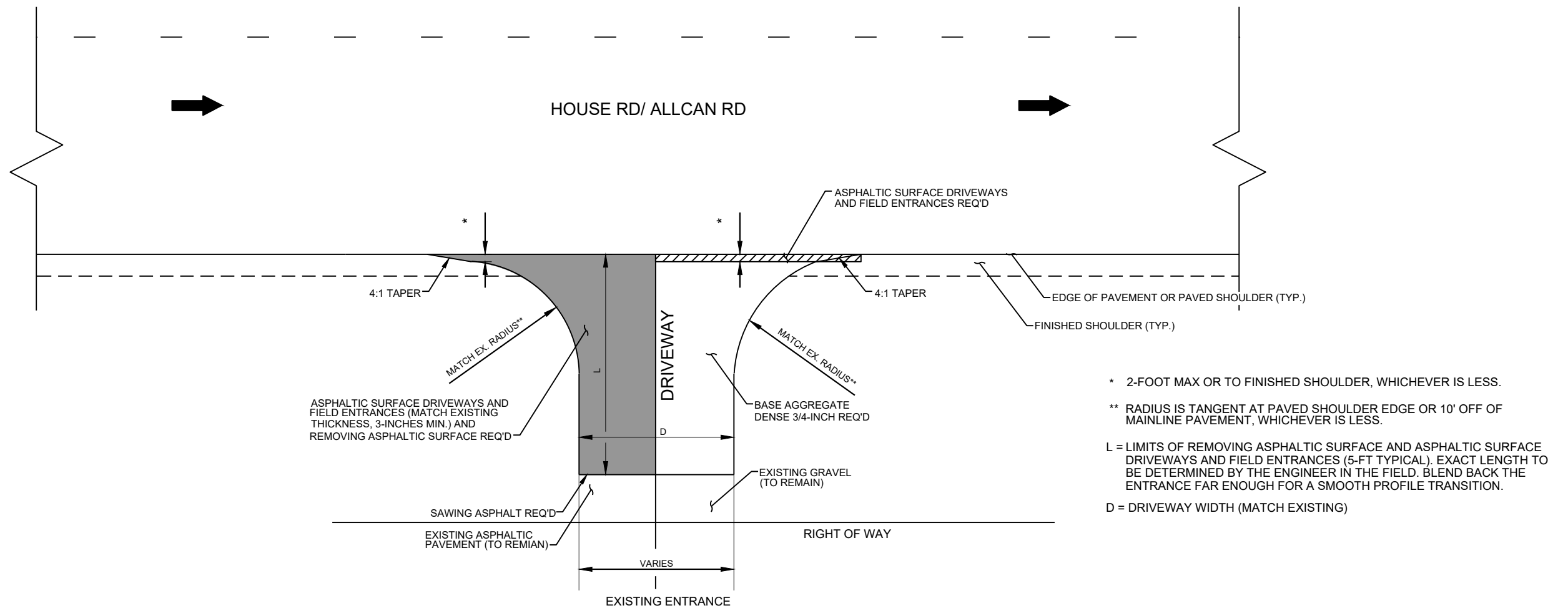
ABUT	ABUTMENT	LT	LEFT
AC	ACRE	LHF	LEFT HAND FORWARD
AGG	AGGREGATE	L	LENGTH OF CURVE
AH	AHEAD	LF	LINEAR FOOT
∠	ANGLE	LC	LONG CHORD OF CURVE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LS	LUMP SUM
AEW	APRON ENDWALL	MGAL	ONE THOUSAND GALLONS
ASPH	ASPHALTIC	MH	MANHOLE
BK	BACK	ML OR M/L	MATCH LINE
BC	BACK OF CURB	NOM	NOMINAL
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BL OR B/L	BASE LINE	NB	NORTHBOUND
BM	BENCH MARK	NO	NUMBER
CB	CATCH BASIN	OD	OUTSIDE DIAMETER
CL OR C/L	CENTER LINE	PAVT	PAVEMENT
Δ	CENTRAL ANGLE OR DELTA	PLE	PERMANENT LIMITED EASEMENT
CE	COMMERCIAL ENTRANCE	PC	POINT OF CURVATURE
CONC	CONCRETE	PI	POINT OF INTERSECTION
CSW	CONCRETE SIDEWALK	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CP	CONTROL POINT	LB	POUND
CO	COUNTY	PSI	POUNDS PER SQUARE INCH
CTH	COUNTY TRUCK HIGHWAY	PE	PRIVATE ENTRANCE
CY	CUBIC YARD	PROJ	PROJECT
CP	CULVERT PIPE	PL	PROPERTY LINE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM	PRW	PROPOSED RIGHT OF WAY
CPCPE	CULVERT PIPE CORRUGATED POLYETHYLENE	R	RADIUS
CPCPP	CULVERT PIPE CORRUGATED POLYPROPYLENE	RL OR R/L	REFERENCE LINE
CPCS	CULVERT PIPE CORRUGATED STEEL	REQD	REQUIRED
CPCSAC	CULVERT PIPE CORRUGATED STEEL ALUMINUM COATED	RT	RIGHT
CPCSPC	CULVERT PIPE CORRUGATED STEEL POLYMER COATED	RHF	RIGHT HAND FORWARD
CPRC	CULVERT PIPE REINFORCED CONCRETE	R/W	RIGHT OF WAY
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	RD	ROAD
CPS	CULVERT PIPE SALVAGED	RDWY	ROADWAY
CPT	CULVERT PIPE TEMPORARY	SHLDR	SHOULDER
C & G	CURB AND GUTTER	SW	SIDEWALK
D	DEGREE OF CURVE	SB	SOUTHBOUND
DHV	DESIGN HOUR VOLUME	SPCS	SPECIFICATIONS
DIA	DIAMETER	SF	SQUARE FEET
DD	DIRECTIONAL DISTRIBUTION	SY	SQUARE YARD
DE	DRAINAGE EASEMENT	SDD	STANDARD DETAIL DRAWINGS
DWY	DRIVEWAY	STH	STATE TRUNK HIGHWAY
EA	EACH	STA	STATION
EB	EASTBOUND	SSPC	STORM SEWER PIPE COMPOSITE
EL OR ELEV	ELEVATION	SSCPE	STORM SEWER PIPE CORRUGATED POLYETHYLENE
EMB	EMBANKMENT	SSCPP	STORM SEWER PIPE CORRUGATED POLYPROPYLENE
EW	ENDWALL	SSPNRC	STORM SEWER PIPE NON-REINFORCED CONCRETE
EAT	ENERGY ABSORBING TERMINAL	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ESALS	EQUIVALENT SINGLE AXLE LOADS	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EXC	EXCAVATION	SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
EBS	EXCAVATION BELOW SUBGRADE	SE	SUPERELEVATION
EXIST	EXISTING	SL OR S/L	SURVEY LINE
FERT	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	TI	TEMPORARY INTEREST
FL OR F/L	FLOW LINE	TLE	TEMPORARY LIMITED EASEMENT
FT	FOOT	TC	TOP OF CURB
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	TL OR T/L	TRANSIT LINE
HES	HIGH EARLY STRENGTH	T	TRUCKS (PERCENT OF)
HE	HIGHWAY EASEMENT	TYP	TYPICAL
CWT	HUNDRED WEIGHT	USH	UNITED STATES HIGHWAY
IN DIA	INCH DIAMETER	VAR	VARIABLE
INL	INLET	VC	VERTICAL CURVE
ID	INSIDE DIAMETER	VPC	VERTICAL POINT OF CURVATURE
INTERS	INTERSECTION	VPI	VERTICAL POINT OF INTERSECTION
IH	INTERSTATE HIGHWAY	VPT	VERTICAL POINT OF TANGENCY
INV	INVERT	W	WEST
JT	JOINT	WB	WESTBOUND







NOT TO SCALE



PLAN VIEW

RURAL DRIVEWAY DETAIL

NOTE:
THIS DETAIL TO ALSO BE USED FOR
NEWTON BLACKMOUR STATE TRAIL CONNECTION

PROJECT NO: 6513-03-71

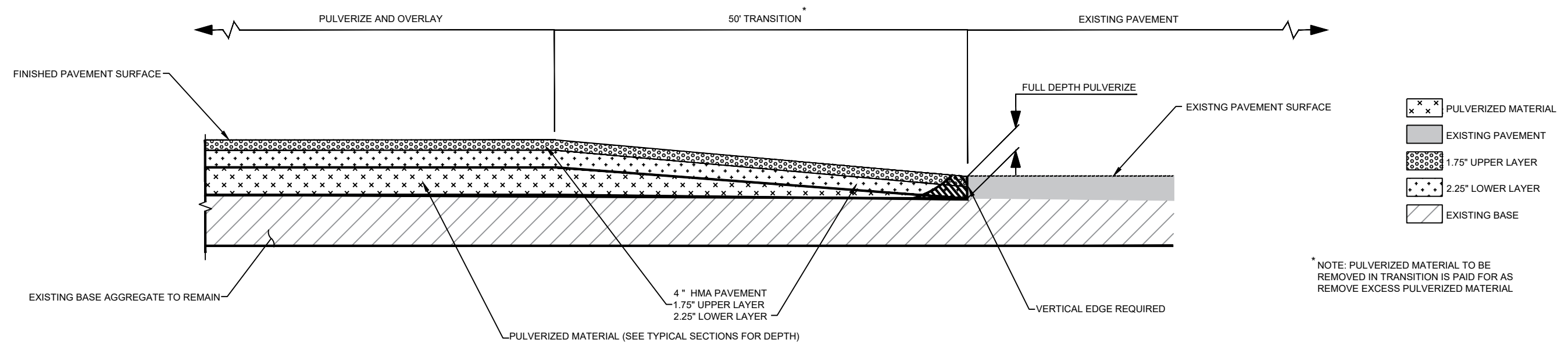
HWY: HOUSE ROAD

COUNTY: OUTAGAMIE

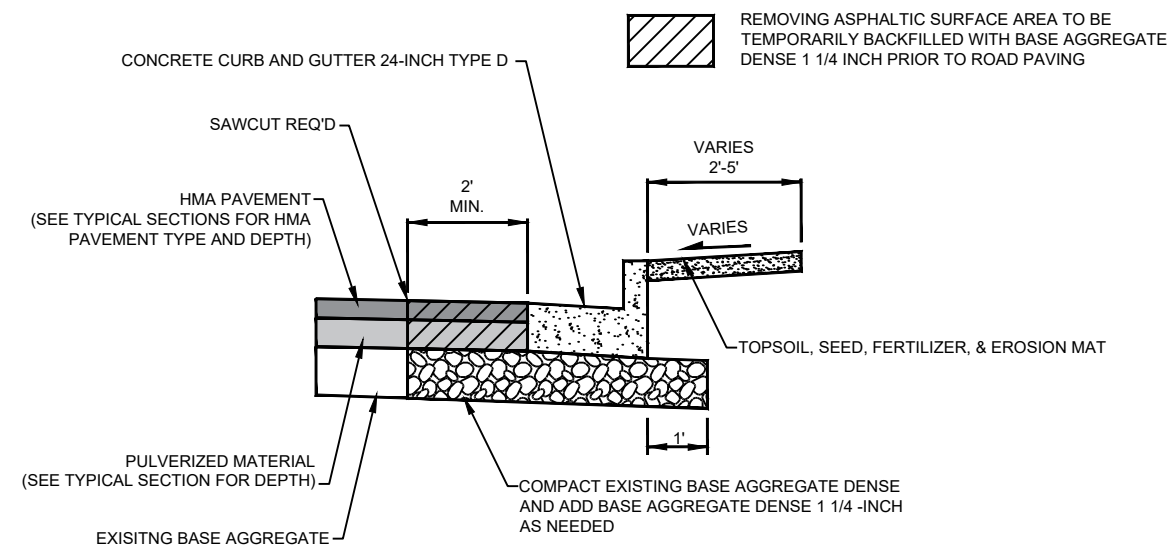
CONSTRUCTION DETAILS

SHEET

E



TRANSITION FROM EXISTING ASPHALT PAVEMENT TO PULVERIZE AND OVERLAY

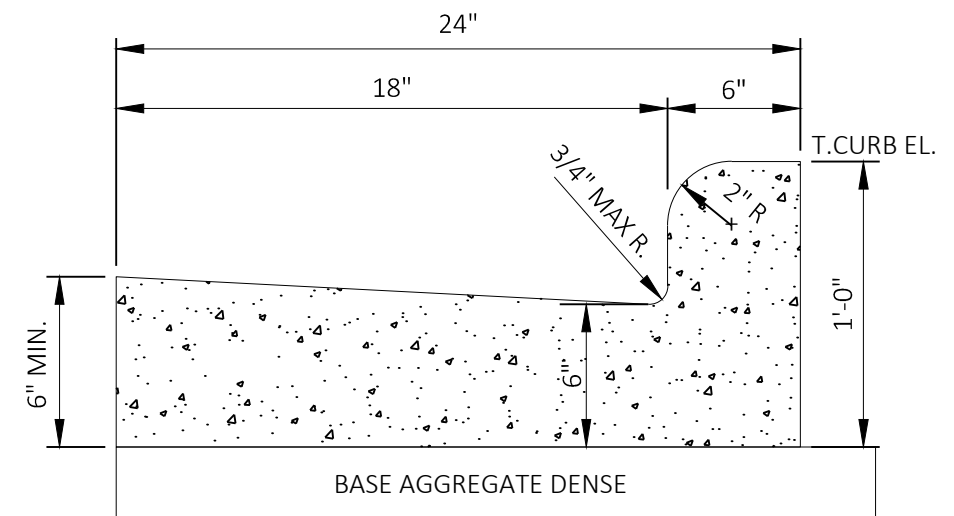


DETAIL OF CURB AND GUTTER INSTALLATION

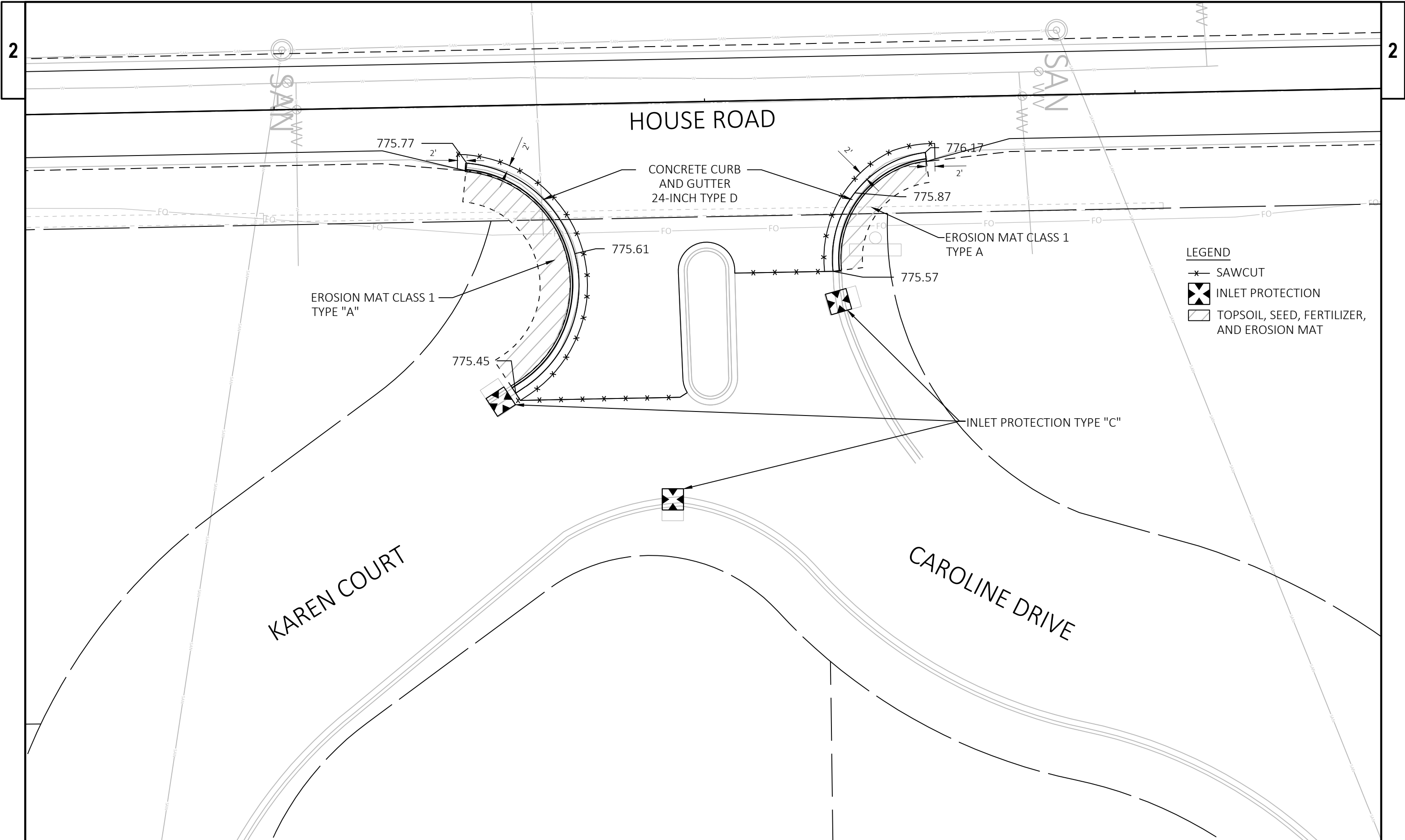
STA 16+44 TO 16+70 RT
STA 17+29 TO 17+51 RT

NOTES

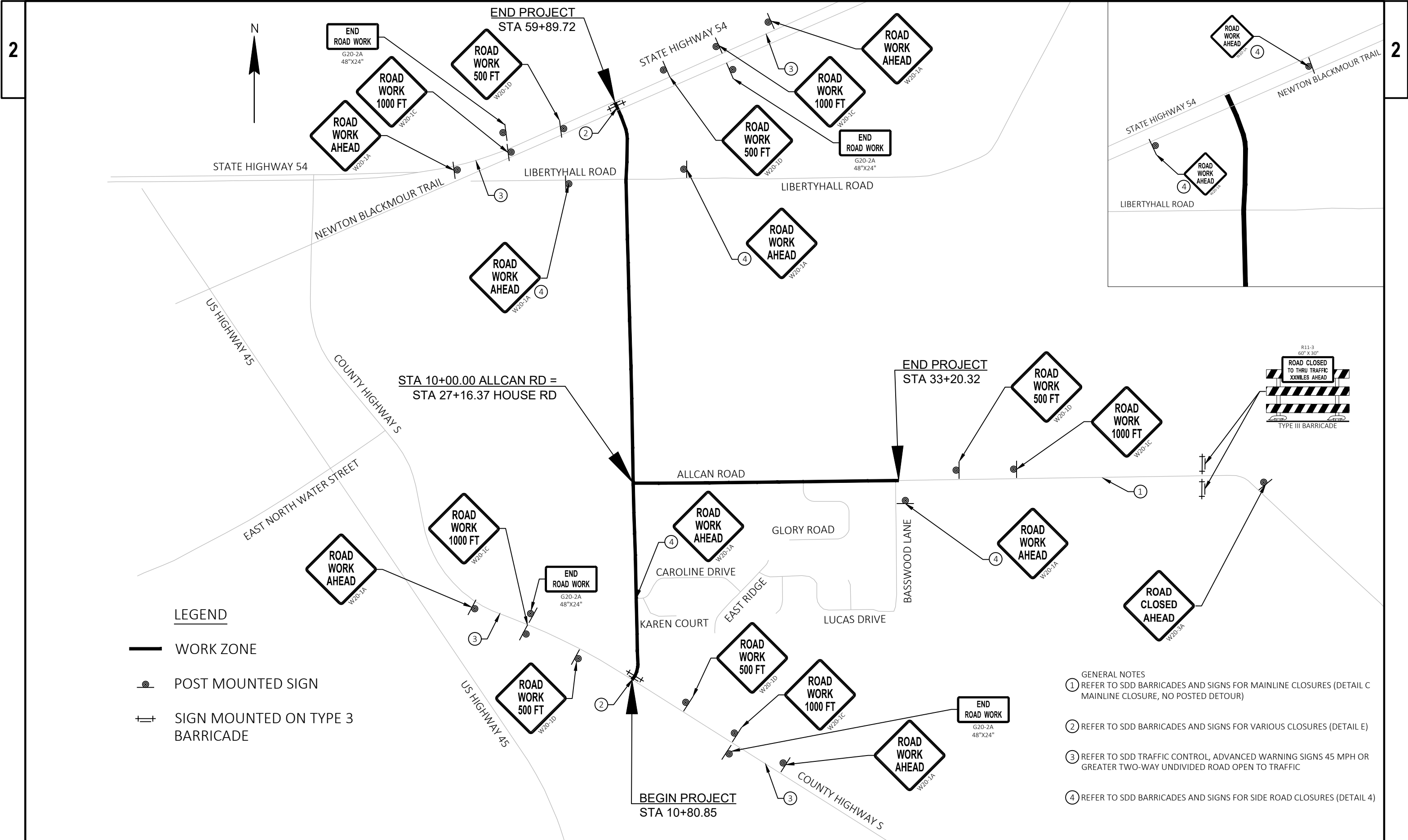
COMPLETE CURB AND GUTTER REPLACEMENT AND TEMPORARY AGGREGATE BACKFILL TO MATCH THE EXISTING SURFACE PRIOR TO THE PULVERIZING AND REPAVING OF HOUSE ROAD.

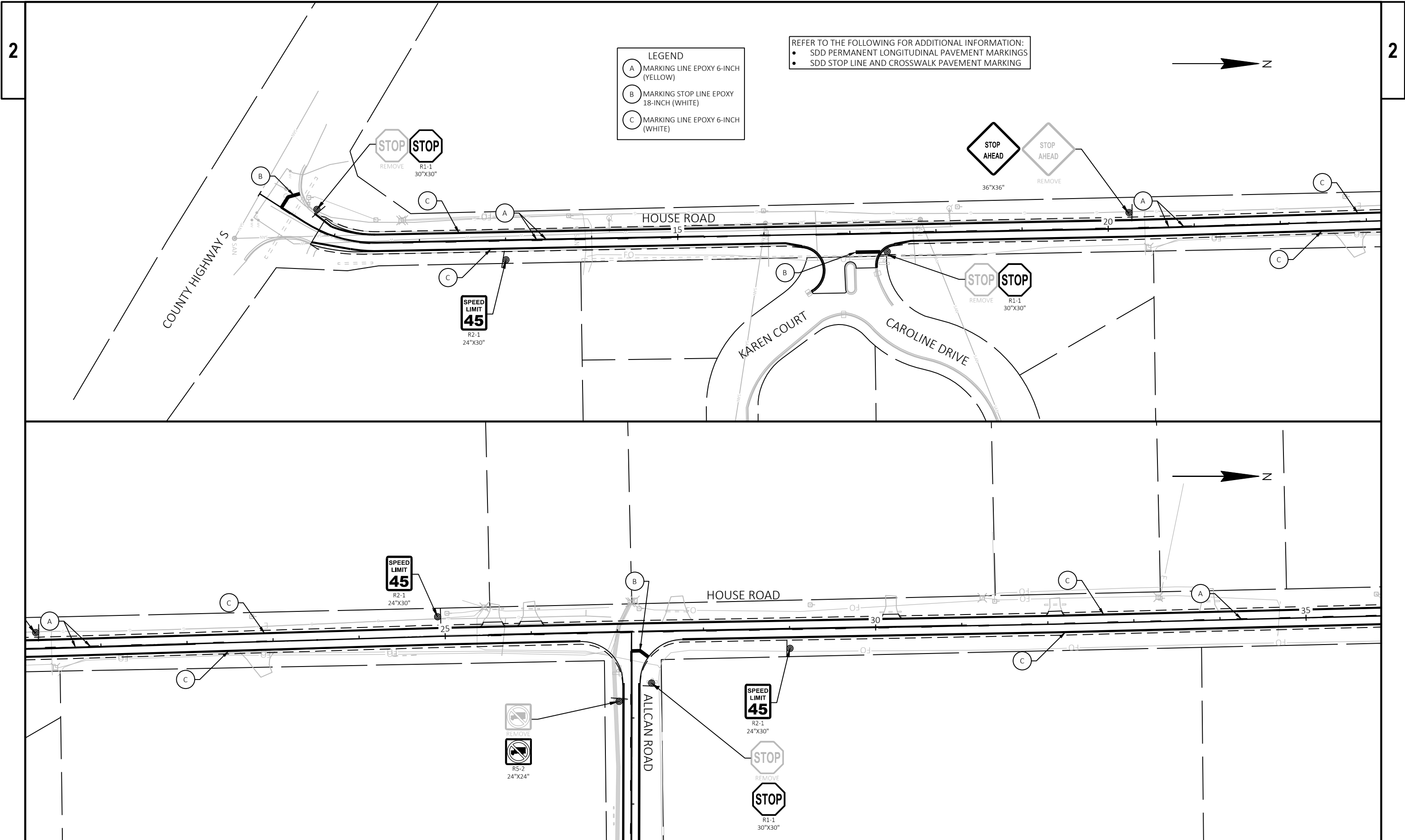


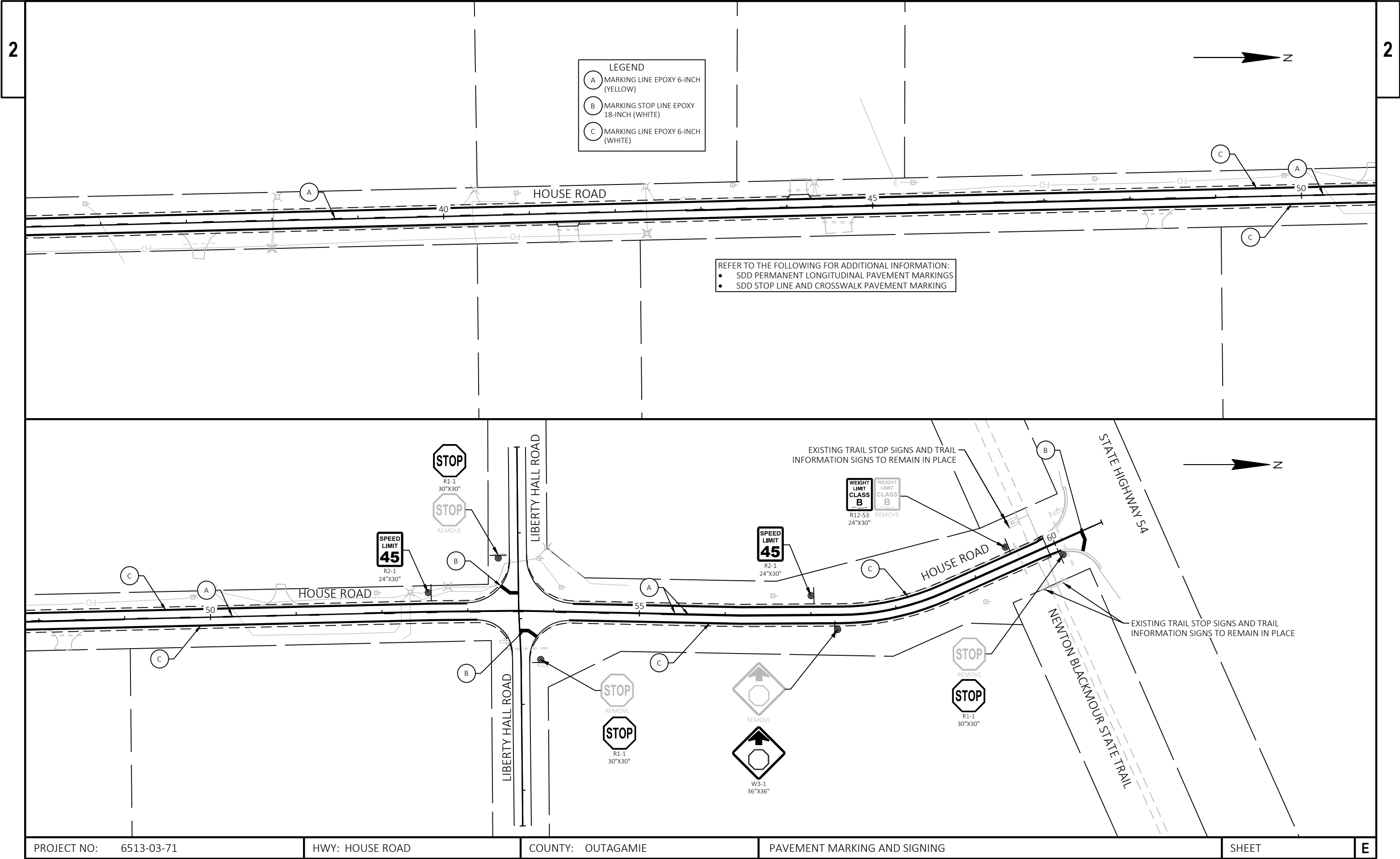
CONCRETE CURB AND GUTTER 24-INCH TYPE D



PROJECT NO: 6513-03-71	HWY: HOUSE ROAD	COUNTY: OUTAGAMIE	EROSION CONTROL DETAIL	SHEET	E
------------------------	-----------------	-------------------	------------------------	-------	---







LEGEND

- A MARKING LINE EPOXY 6-INCH (YELLOW)
- B MARKING STOP LINE EPOXY 18-INCH (WHITE)
- C MARKING LINE EPOXY 6-INCH (WHITE)

REFER TO THE FOLLOWING FOR ADDITIONAL INFORMATION:

- SDD PERMANENT LONGITUDINAL PAVEMENT MARKINGS
- SDD STOP LINE AND CROSSWALK PAVEMENT MARKING



REMOVE



REMOVE



REMOVE



REMOVE



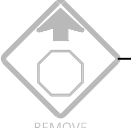
REMOVE



REMOVE



REMOVE



REMOVE



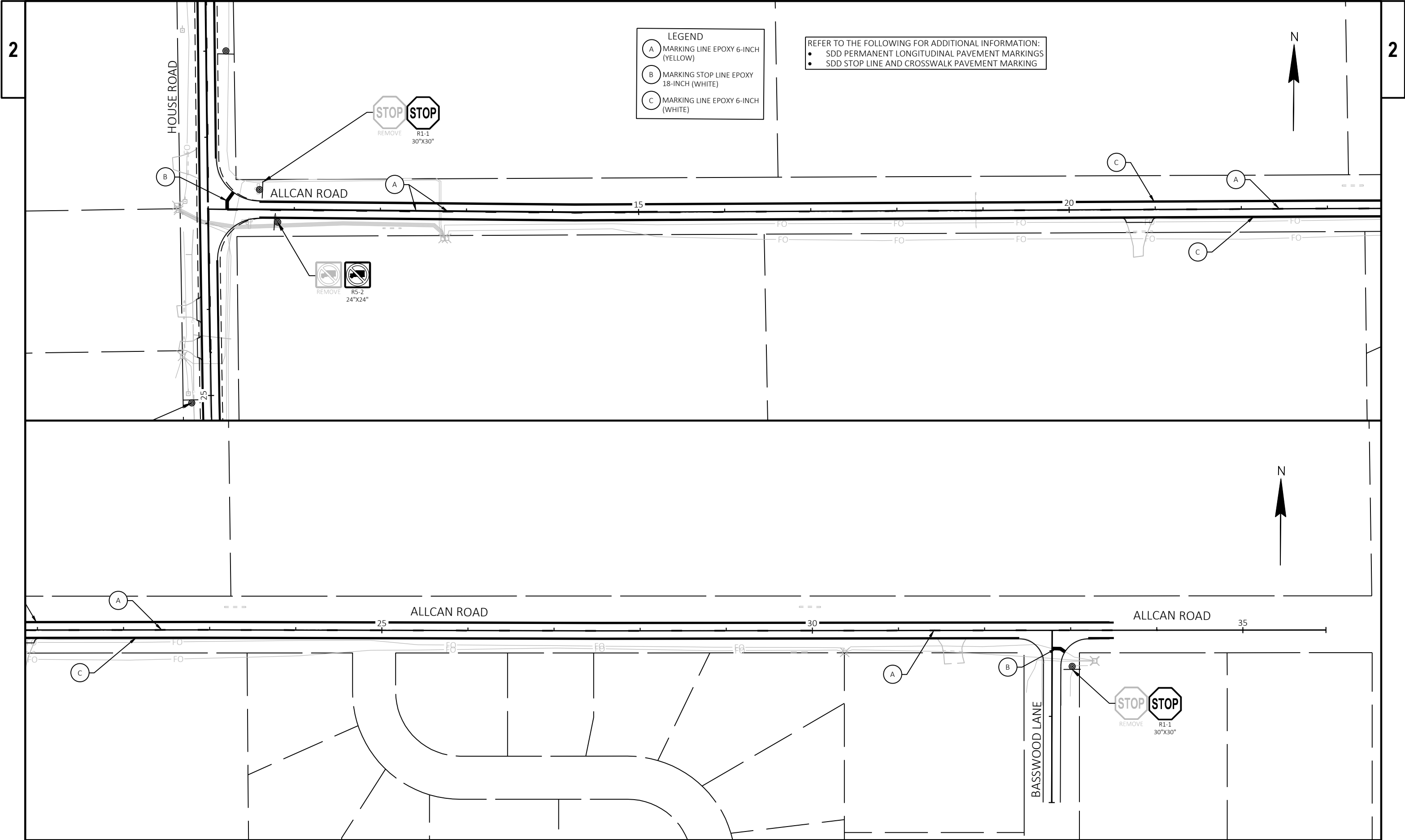
REMOVE



REMOVE



REMOVE



Estimate Of Quantities

6513-03-71

Line	Item	Item Description	Unit	Total	Qty
0002	204.0110	Removing Asphaltic Surface	SY	106.000	106.000
0004	204.0150	Removing Curb & Gutter	LF	106.000	106.000
0006	205.0100	Excavation Common	CY	541.000	541.000
0008	213.0100	Finishing Roadway (project) 01.6513-03-71	EACH	1.000	1.000
0010	305.0110	Base Aggregate Dense 3/4-Inch	TON	768.000	768.000
0012	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11.000	11.000
0014	325.0100	Pulverize and Relay	SY	17,439.000	17,439.000
0016	416.0610	Drilled Tie Bars	EACH	2.000	2.000
0018	455.0605	Tack Coat	GAL	855.000	855.000
0020	460.2000	Incentive Density HMA Pavement	DOL	2,650.000	2,650.000
0022	460.5223	HMA Pavement 3 LT 58-28 S	TON	2,329.000	2,329.000
0024	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,811.000	1,811.000
0026	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	25.000	25.000
0028	619.1000	Mobilization	EACH	1.000	1.000
0030	624.0100	Water	MGAL	12.000	12.000
0032	625.0100	Topsoil	SY	114.000	114.000
0034	628.1504	Silt Fence	LF	100.000	100.000
0036	628.1520	Silt Fence Maintenance	LF	100.000	100.000
0038	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0040	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0042	628.2006	Erosion Mat Urban Class I Type A	SY	114.000	114.000
0044	628.7015	Inlet Protection Type C	EACH	3.000	3.000
0046	629.0210	Fertilizer Type B	CWT	0.080	0.080
0048	630.0140	Seeding Mixture No. 40	LB	2.000	2.000
0050	630.0500	Seed Water	MGAL	1.200	1.200
0052	633.5200	Markers Culvert End	EACH	4.000	4.000
0054	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	7.000	7.000
0056	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	8.000	8.000
0058	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000
0060	637.2210	Signs Type II Reflective H	SF	95.750	95.750
0062	638.2602	Removing Signs Type II	EACH	11.000	11.000
0064	638.3000	Removing Small Sign Supports	EACH	15.000	15.000
0066	642.5001	Field Office Type B	EACH	1.000	1.000
0068	643.0300	Traffic Control Drums	DAY	210.000	210.000
0070	643.0420	Traffic Control Barricades Type III	DAY	550.000	550.000
0072	643.0705	Traffic Control Warning Lights Type A	DAY	1,100.000	1,100.000
0074	643.0900	Traffic Control Signs	DAY	1,075.000	1,075.000
0076	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000
0078	643.5000	Traffic Control	EACH	1.000	1.000
0080	646.2020	Marking Line Epoxy 6-Inch	LF	26,293.000	26,293.000
0082	646.6120	Marking Stop Line Epoxy 18-Inch	LF	221.000	221.000
0084	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	106.000	106.000
0086	650.8000	Construction Staking Resurfacing Reference	LF	7,227.000	7,227.000
0088	650.9911	Construction Staking Supplemental Control (project) 01.6513-03-71	EACH	1.000	1.000
0090	690.0150	Sawing Asphalt	LF	566.000	566.000
0092	690.0250	Sawing Concrete	LF	4.000	4.000
0094	740.0440	Incentive IRI Ride	DOL	5,476.000	5,476.000
0096	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0098	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000

Estimate Of Quantities

6513-03-71

Line	Item	Item Description	Unit	Total	Qty
0100	SPV.0090	Special 01. Concrete Curb and Gutter 24-Inch Type D	LF	106.000	106.000
0102	SPV.0180	Special 01. Removing Excess Pulverized Material	SY	4,327.000	4,327.000

3

3

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

ASPHALTIC SURFACE AND CURB AND GUTTER REMOVALS

PULVERIZE AND RELAY

		204.0110 REMOVING ASPHALTIC SURFACE	204.0150 REMOVING CURB AND GUTTER	
STATION TO STATION	LOCATION	SY	LF	REMARKS
16+44 TO 16+70 RT	HOUSE ROAD	18	69	KAREN COURT
17+29 TO 17+51 RT	HOUSE ROAD	10	37	CAROLINE COURT
24+34 TO 44+31 LT& RT	HOUSE ROAD	61	-	DRIVEWAYS
20+60 TO 21+00 RT	ALLCAN ROAD	17	-	DRIVEWAY
PROJECT TOTALS		106	106	

STATION TO STATION	LOCATION	SY	REMARKS
10+23 TO 27+16	HOUSE ROAD	4125	EX ASPH PAVM'T ONLY - 4.5" THICK
27+16 TO 53+59	HOUSE ROAD	6538	EX ASPH PAVM'T ONLY - 4" THICK
53+59 TO 59+89	HOUSE ROAD	1637	EX ASPH PAVM'T ONLY - 5.5" THICK
10+00 TO 33+20	ALLCAN ROAD	5139	EX ASPH PAVM'T ONLY - 6" THICK
PROJECT TOTALS		17439	

EXCAVATION COMMON

INLET PROTECTION

		205.0100	
STATION TO STATION	LOCATION	CY	REMARKS
10+80.85 TO 59+89.72	HOUSE ROAD	400	TURF SHOULDER REMOVAL
10+00 TO 33+20.32	ALLCAN ROAD	120	TURF SHOULDER REMOVAL
16+44 TO 17+51 RT	KAREN CT./ CAROLINE DR.	21	
PROJECT TOTALS		541	

		628.7015 INLET PROTECTION TYPE C EACH
STATION	LOCATION	
16+51	KAREN COURT	1
16+91	KAREN COURT	1
17+30	CAROLINE DRIVE	1
PROJECT TOTALS		3

BASE AGGREGATE

		305.0110 BASE AGGREGATE DENSE 3/4-INCH	305.0120 BASE AGGREGATE DENSE 1-1/4 INCH	624.0100 WATER
STATION TO STATION	LOCATION	TON	TON	MGAL
10+80.85 TO 59+89.72	HOUSE ROAD	694	--	10
10+00 TO 33+20	ALLCAN ROAD	74	--	1
16+44 TO 17+51	CURB AND GUTTER REPLACEMENT	--	11	--
PROJECT TOTALS		768	11	12

3

3

ASPHALTIC ITEMS					
STATION TO STATION	LOCATION	455.0605	460.5223	460.5224	465.0120
		TACK COAT	HMA PAVEMENT 3	HMA PAVEMENT	ASPHALTIC SURFACE
		GAL	LT 58-28 S	4 LT 58-28 S	DRIVEWAYS AND FIELD
			TON	TON	ENTRANCES
					TON
10+80.85 TO 59+89.72	HOUSE ROAD	598	1629	1267	20
10+59 TO 33+20	ALLCAN ROAD	257	699	544	5
PROJECT TOTALS		855	2,329	1,811	25

LANDSCAPING									
STATION	LOCATION	625.0100	628.1504	628.1520	628.2006	629.0210	630.0140	630.0500	REMARKS
		TOPSOIL	SILT FENCE	SILT FENCE	EROSION MAT URBAN	FERTILIZER	SEEDING	SEED	
		SY	LF	LF	CLASS I TYPE A	TYPE B	MIXTURE NO. 40	WATER	
					SY	CWT	LB	MGAL	
16+51	KAREN COURT	46	-	-	46	0.03	2.1	0.5	CURB REPLACEMENT
16+91	CAROLINE DRIVE	18	-	-	18	0.02	0.8	0.2	CURB REPLACEMENT
UNDISTRIBUTED		50	100	100	50	0.03	2.3	0.5	
PROJECT TOTALS		114	100	100	114	0.08	5.2	1.2	

MARKERS CULVERT END			
STATION	LOCATION	633.5200	REMARKS
		MARKERS	
		CULVER END	
		EACH	
34+90	HOUSE ROAD	2	EXIST 36-INCH CMP
18+90	ALLCAN ROAD	2	EXIST 36-INCH CMP
PROJECT TOTALS		4	

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

SIGNING													
SIGN #	STATION	LOCATION	SIGN CODE	SIZE W X H			634.0614	634.0616	634.0618	637.2210	638.2602	638.3000	REMARKS
							POSTS WOOD	POSTS WOOD	POSTS WOOD	SIGNS	REMOVING	REMOVING	
							4X6-INCH X 14-	4X6-INCH X 16-	4X6 INCH X 18-	TYPE II	SIGNS TYPE	SMALL SIGN	
						FT	FT	FT	REFLECTIVE H	II	SUPPORTS		
						EACH	EACH	EACH	SF	EA	EA		
1.1	10+66 LT	HOUSE ROAD	R1-1	30"	X	30"	1	-	-	6.25	1	1	STOP AHEAD
1.2	13+00 RT	HOUSE ROAD	R2-1	24"	X	30"	-	1	-	5.00	-	-	
1.3	20+25 LT	HOUSE ROAD	-	36"	X	36"	-	1	-	9.00	1	1	
1.4	24+89 LT	HOUSE ROAD	R2-1	24"	X	30"	1	-	-	5.00	-	-	
1.5	28+99 RT	HOUSE ROAD	R2-1	24"	X	30"	-	1	-	5.00	-	-	
1.6	52+52 LT	HOUSE ROAD	R2-1	24"	X	30"	-	1	-	5.00	-	1	
1.7	57+00 LT	HOUSE ROAD	R2-1	24"	X	30"	-	1	-	5.00	-	-	
1.8	57+31 RT	HOUSE ROAD	W3-1	36"	X	36"	1	-	-	9.00	1	1	
1.9	59+45 LT	HOUSE ROAD	R12-53	24"	X	30"	1	-	-	5.00	1	1	
2.0	60+04 RT	HOUSE ROAD	R1-1	30"	X	30"	1	-	-	6.25	1	1	STREET NAME SIGN STREET NAME SIGNS
2.1	60+18 LT	HOUSE ROAD	-	-	-	-	-	-	-	-	-	1	
3.0	10+46 RT	ALLCAN ROAD	-	-	-	-	-	-	-	-	-	1	
3.1	10+59 LT	ALLCAN ROAD	R1-1	30"	X	30"	-	-	1	6.25	1	1	
3.2	10+81 RT	ALLCAN ROAD	R5-2	24"	X	24"	1	-	-	4.00	1	1	
4.1	11+58 RT	BASSWOOD LANE	R1-1	30"	X	30"	-	1	-	6.25	1	1	STREET NAME SIGNS
5.1	11+29 RT	LIBERTY HALL ROAD	R1-1	30"	X	30"	-	1	-	6.25	1	1	
	12+23 RT	LIBERTY HALL ROAD	-	-	-	-	-	-	-	-	-	1	
5.2	12+47 LT	LIBERTY HALL ROAD	R1-1	30"	X	30"	-	1	-	6.25	1	1	
6.1	17+42 RT	CAROLINE DRIVE	R1-1	30"	X	30"	1	-	-	6.25	1	1	
PROJECT TOTALS							7	8	1	95.75	11	15	

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PAVEMENT MARKING EPOXY

STATION TO STATION	LOCATION	646.2020	646.2020	646.6120
		MARKING LINE 6-INCH (White) LF	MARKING LINE 6-INCH (Yellow) LF	MARKING STOP LINE 18-INCH LF
10+92 TO 60+96	HOUSE ROAD	10834	8082	95
10+22 TO 34+00	ALLCAN ROAD	4500	2877	22
12+47 TO 14+41	LIBERTYHALL ROAD	-	-	75
	CAROLINE DRIVE	-	-	29
PROJECT TOTALS		15334	10959	221
		Total 6-INCH = 26293		

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	650.5500	650.8000
		CURB & GUTTER LF	RESURFACING REFERENCE LF
10+80.85 TO 59+89.72	HOUSE ROAD	106	4906
10+00 TO 33+20.32	ALLCAN ROAD	-	2321
PROJECT TOTALS		106	7227

SAWING CONCRETE

690.0250

STATION	LOCATION	LF
16+70 RT	KAREN COURT	2
17+29 RT	CAROLINE COURT	2
PROJECT TOTALS		4

SAWING ASPHALT

690.0150

STATION	LOCATION	LF	DESCRIPTION
10+80	HOUSE ROAD	35	STREET TIE IN
16+44 RT	HOUSE ROAD	195	KAREN CT/ CAROLINE DR
25+39 LT	HOUSE ROAD	33	DRIVEWAY
25+82 LT	HOUSE ROAD	35	DRIVEWAY
30+03 LT	HOUSE ROAD	29	DRIVEWAY
31+96 LT	HOUSE ROAD	26	DRIVEWAY
41+28 RT	HOUSE ROAD	34	DRIVEWAY
43+98 LT	HOUSE ROAD	33	DRIVEWAY
53+49 LT	HOUSE ROAD	20	LIBERTYHALL ROAD
53+51 RT	HOUSE ROAD	20	LIBERTYHALL ROAD
59+89	HOUSE ROAD	26	STREET TIE IN
20+60 RT	ALLCAN ROAD	40	DRIVEWAY
32+68 RT	ALLCAN ROAD	20	BASSWOOD LANE
33+20	ALLCAN ROAD	20	STREET TIE IN
PROJECT TOTALS		566	

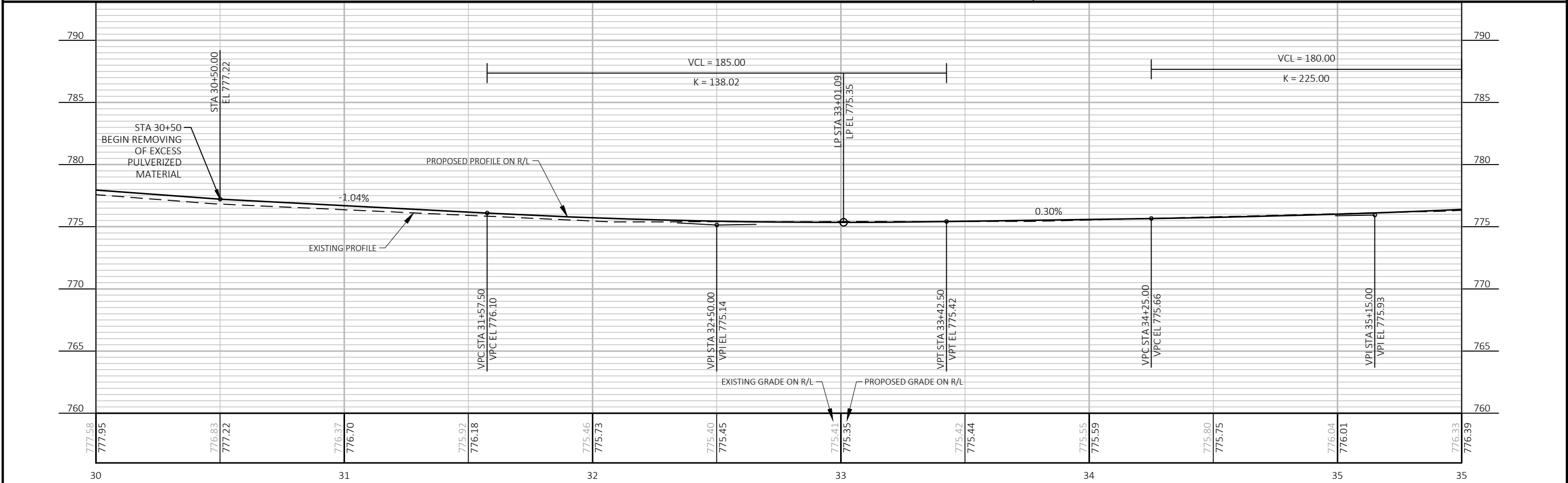
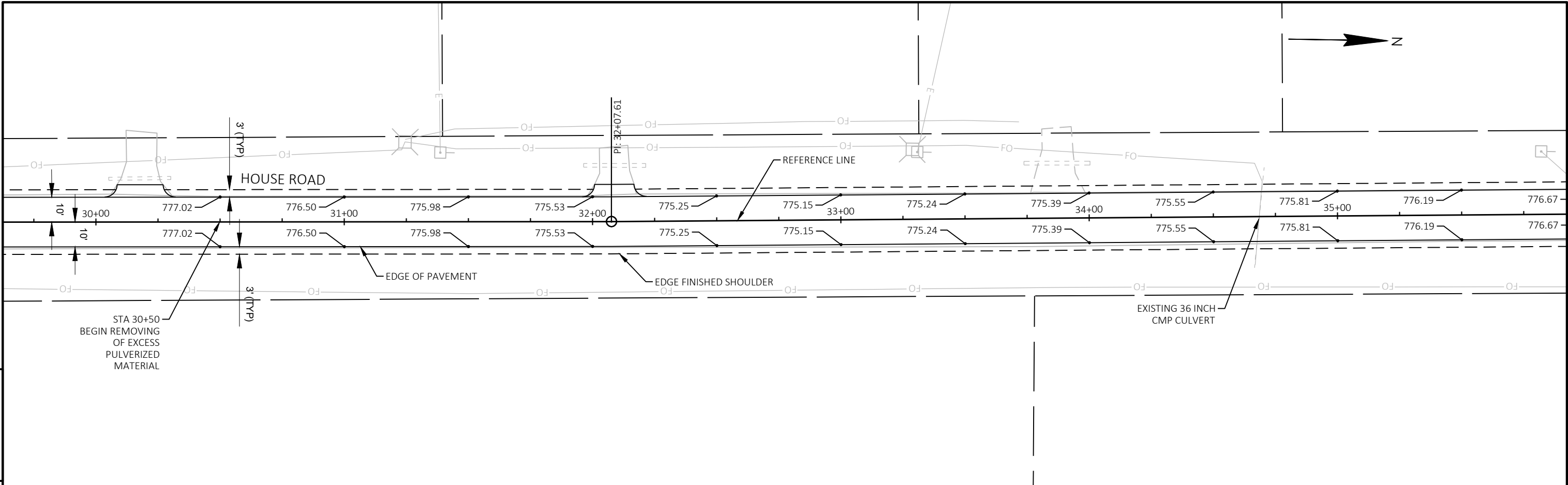
ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

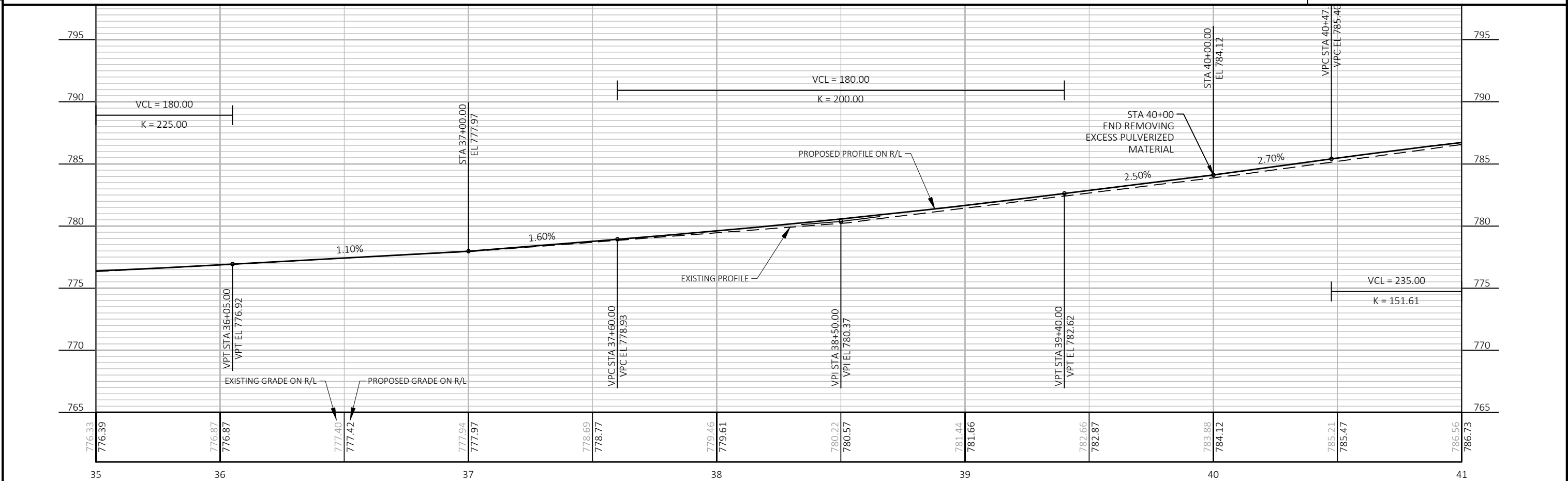
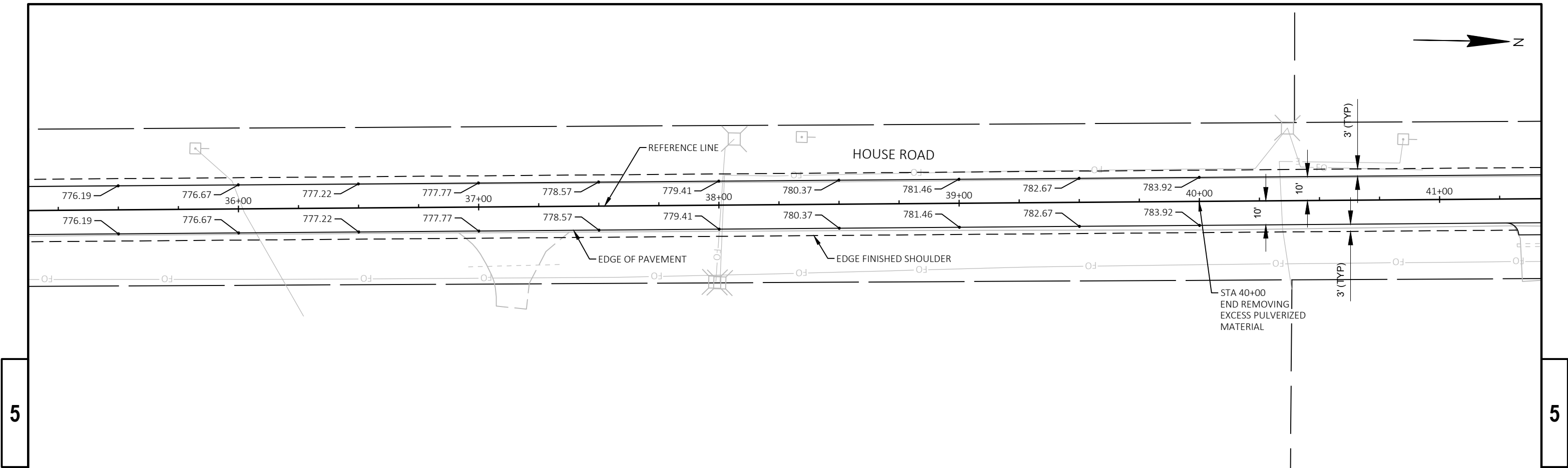
REMOVE EXCESS PULVERIZED MATERIAL

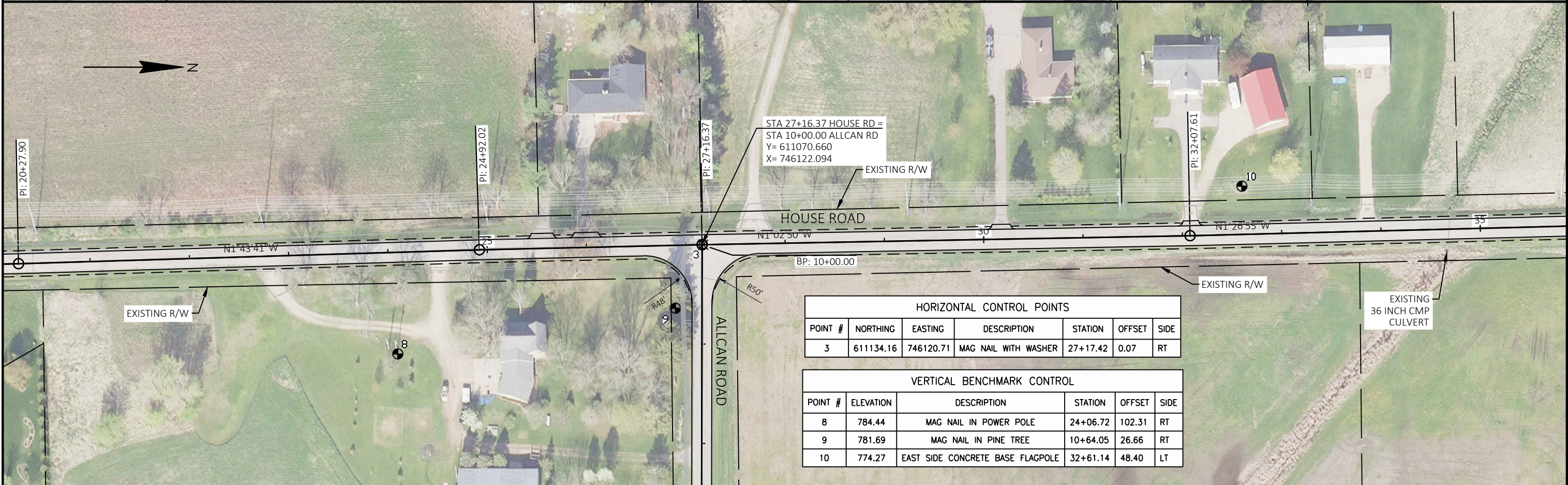
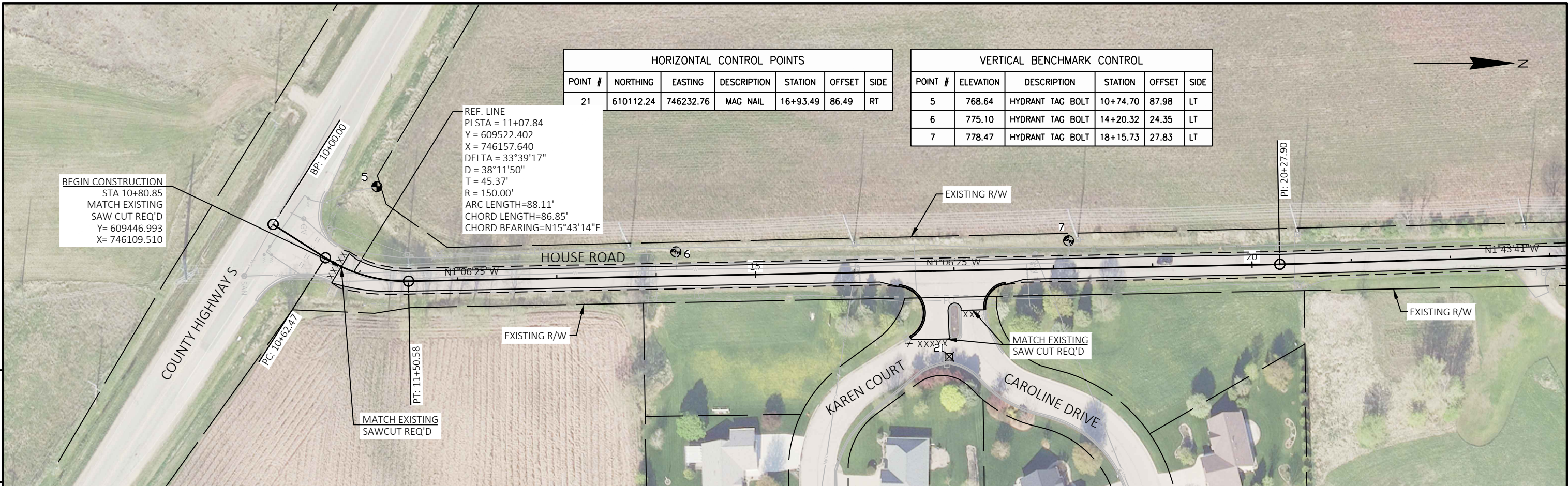
		SPV.0180.01	
		REMOVING EXCESS PULVERIZED MATERIAL	FOR INFORMATIONAL PURPOSES ONLY
STATION TO STATION	LOCATION	SY	CY
10+80.85 TO 11+30	HOUSE RD/ CTH S	163	8.7
16+19 TO 17+79	HOUSE RD/ CAROLINE DR	635	33.9
26+58 TO 27+76	HOUSE RD/ ALLCAN RD	503	26.8
30+50 TO 40+00	HOUSE ROAD	2111	149.4
52+99 TO 54+21	HOUSE RD/ LIBERTY HALL	754	40.2
59+40 TO 59+89.72	HOUSE RR/ STH 54	129	6.9
32+17 TO 33+20	ALLCAN RD/ BASSWOOD	32	17.8
PROJECT TOTALS		4327	283.7

CURB AND GUTTER

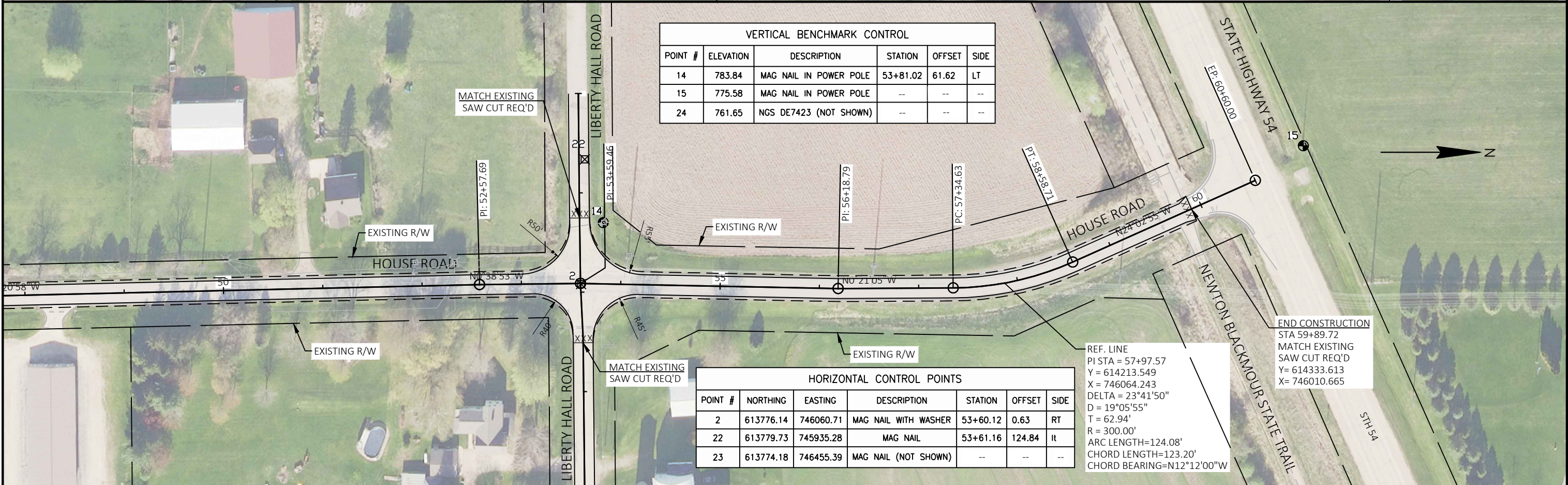
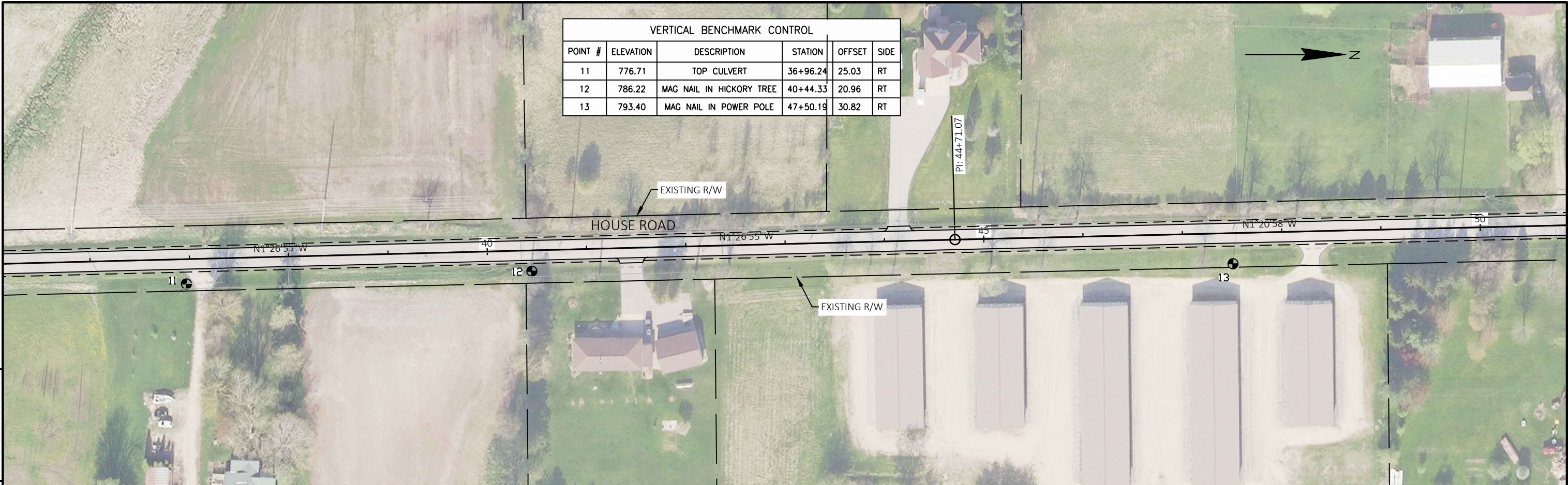
		416.0610	SPV.0090.01	
		DRILLED TIE BARS	CONCRETE CURB AND GUTTER 24-INCH TYPE D	
STATION TO STATION	LOCATION	EA	LF	REMARKS
16+44 TO 16+70 RT	HOUSE ROAD	-	69	KAREN COURT
17+29 TO 17+51 RT	HOUSE ROAD	2	37	CAROLINE DRIVE
PROJECT TOTALS		2	106	







PROJECT NO: 6513-03-71	HWY: HOUSE ROAD	COUNTY: OUTAGAMIE	PLAN - HOUSE RD	SHEET	E
------------------------	-----------------	-------------------	-----------------	-------	---



HORIZONTAL CONTROL POINTS						
POINT #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	SIDE
3	611134.16	746120.71	MAG NAIL WITH WASHER	27+17.42	0.07	RT

VERTICAL BENCHMARK CONTROL					
POINT #	ELEVATION	DESCRIPTION	STATION	OFFSET	SIDE
9	781.69	MAG NAIL IN PINE TREE	10+64.05	26.66	RT
16	779.04	MAG NAIL IN HICKORY TREE	14+88.00	36.27	LT
17	779.20	NORTH SIDE LIGHT POLE BASE	20+93.55	101.21	RT

STA 10+00.00 ALLCAN RD =
STA 27+16.37 HOUSE RD
Y= 611070.660
X= 746122.094

EXISTING
36 INCH CMP
CULVERT

VERTICAL BENCHMARK CONTROL					
POINT #	ELEVATION	DESCRIPTION	STATION	OFFSET	SIDE
17	779.20	NORTH SIDE LIGHT POLE BASE	20+93.55	101.21	RT
18	795.77	NORTHWEST CORNER TOP PORCH	31+34.04	104.44	RT

HORIZONTAL CONTROL POINTS						
POINT #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	SIDE
4	611164.78	748770.59	3/4" REBAR	--	--	--

END CONSTRUCTION
STA 33+20.32
MATCH EXISTING
SAW CUT REQ'D
Y= 611154.307
X= 748440.847

MATCH EXISTING
SAW CUT REQ'D

PROJECT NO: 6513-03-71

HWY: HOUSE ROAD

COUNTY: OUTAGAMIE

ALLCAN RD

SHEET

E

Standard Detail Drawing List

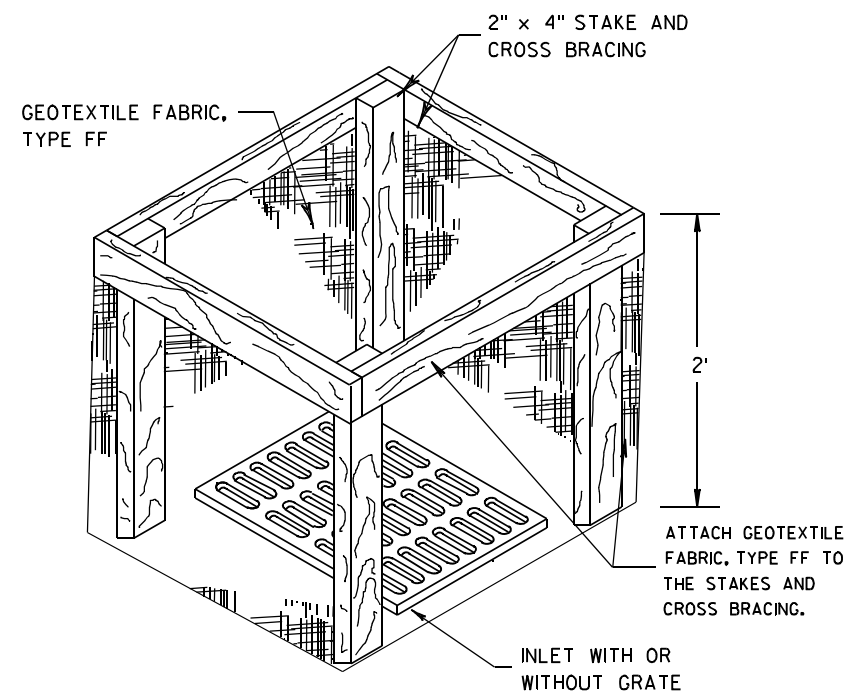
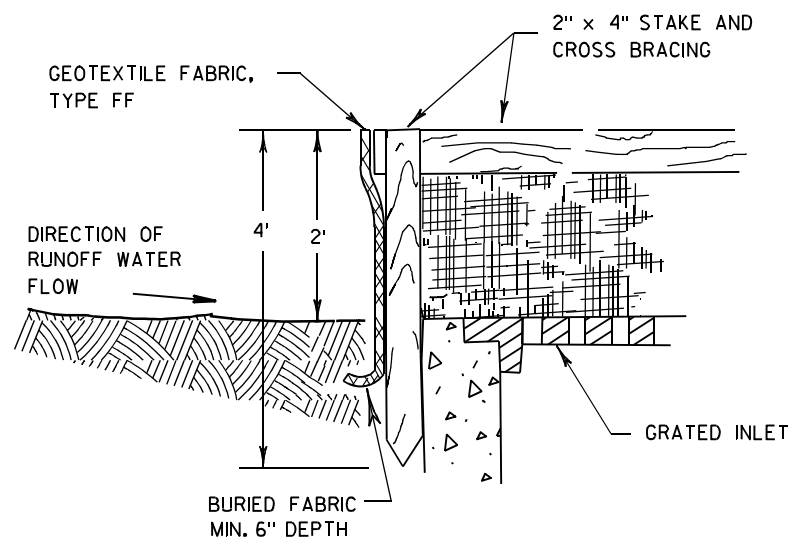
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15A04-08D	CHANNELIZING DEVICES, PERMANENT FLEXIBLE TUBULAR MARKER POST
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING



- 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 1½" X 1½" 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 Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER



INLET PROTECTION, TYPE A

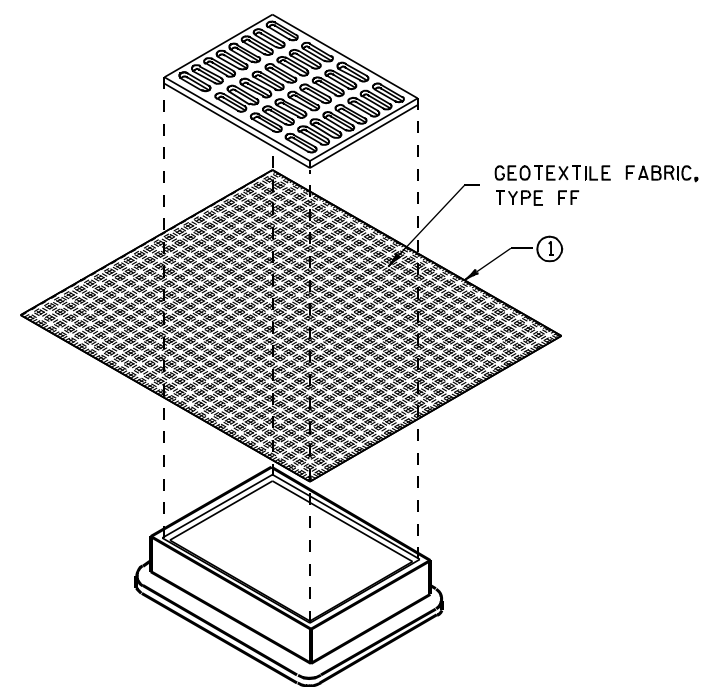
GENERAL NOTES

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

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

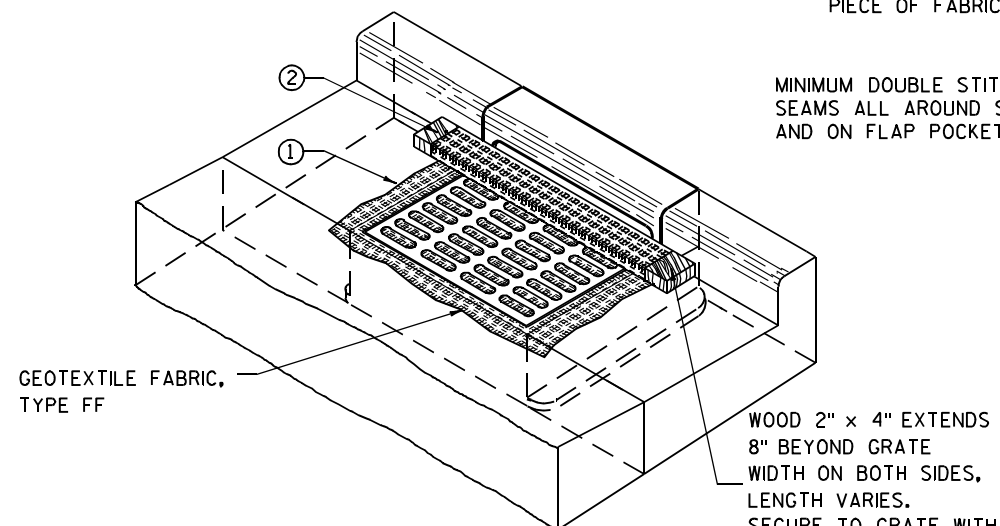
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

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



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

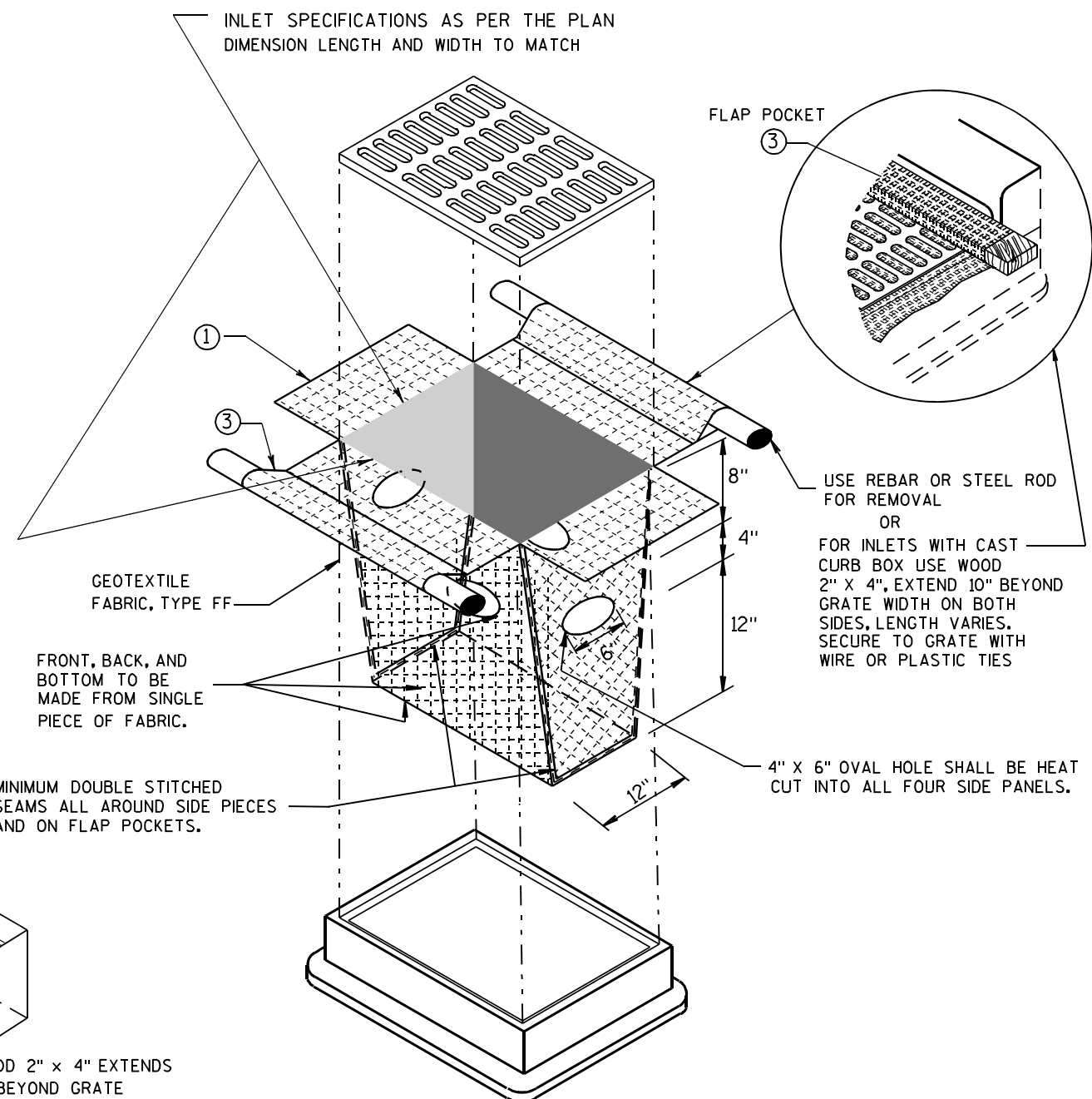
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

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

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

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



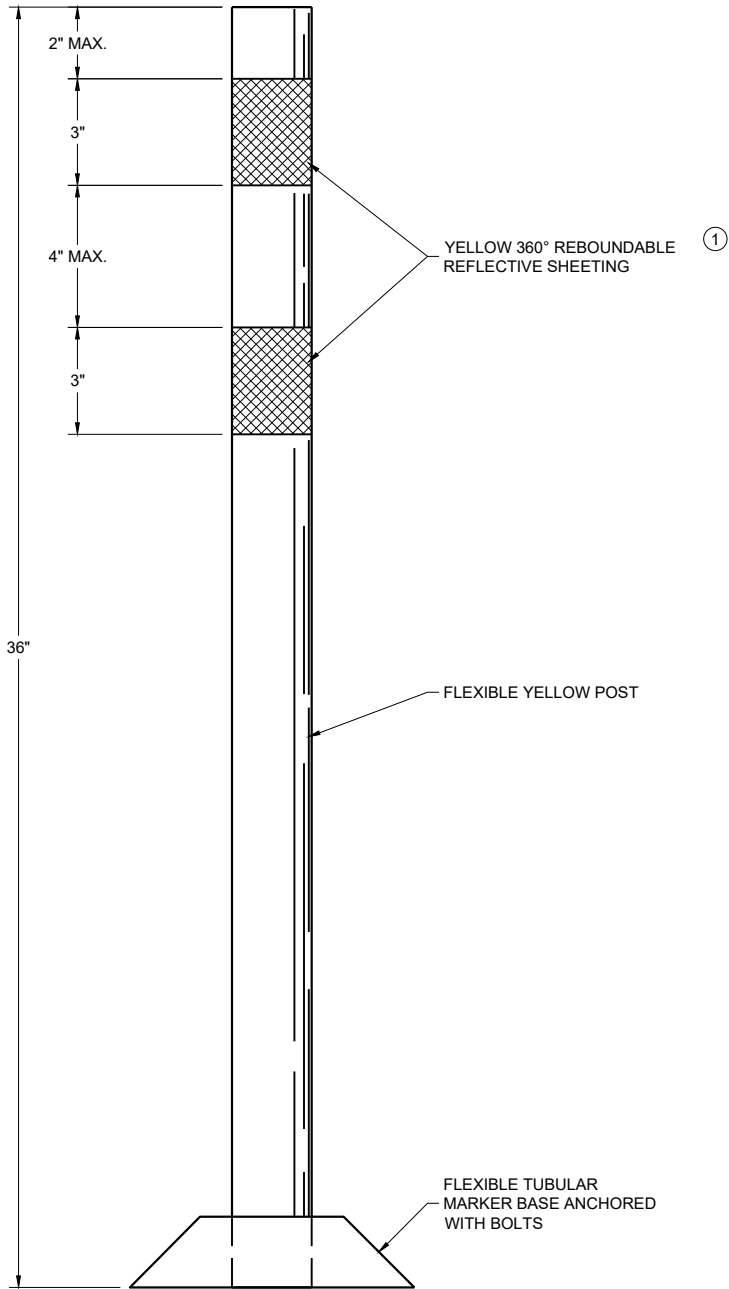
INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

**INLET PROTECTION
TYPE A, B, C, AND D**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Cannestra
DATE
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER



**PERMANENT FLEXIBLE
TUBULAR MARKER POST**

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.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

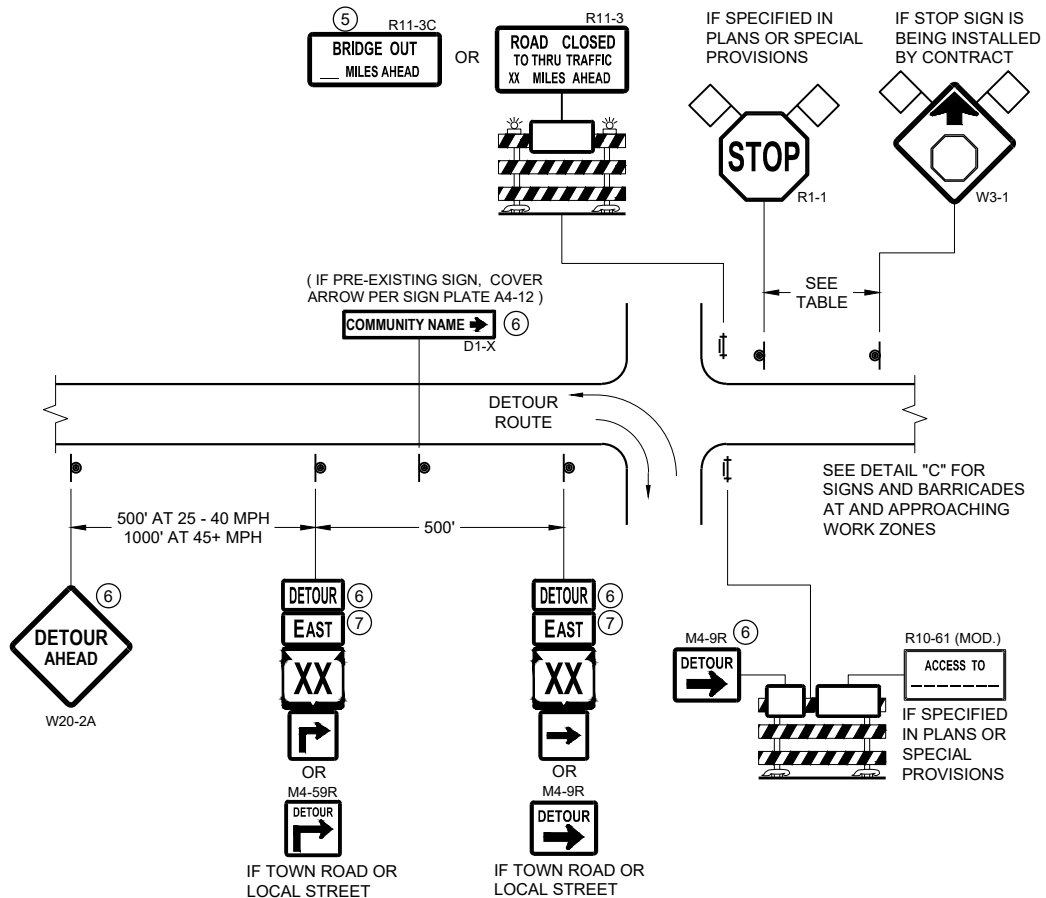
- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

**CHANNELIZING DEVICES
PERMANENT FLEXIBLE
TUBULAR MARKER POST**

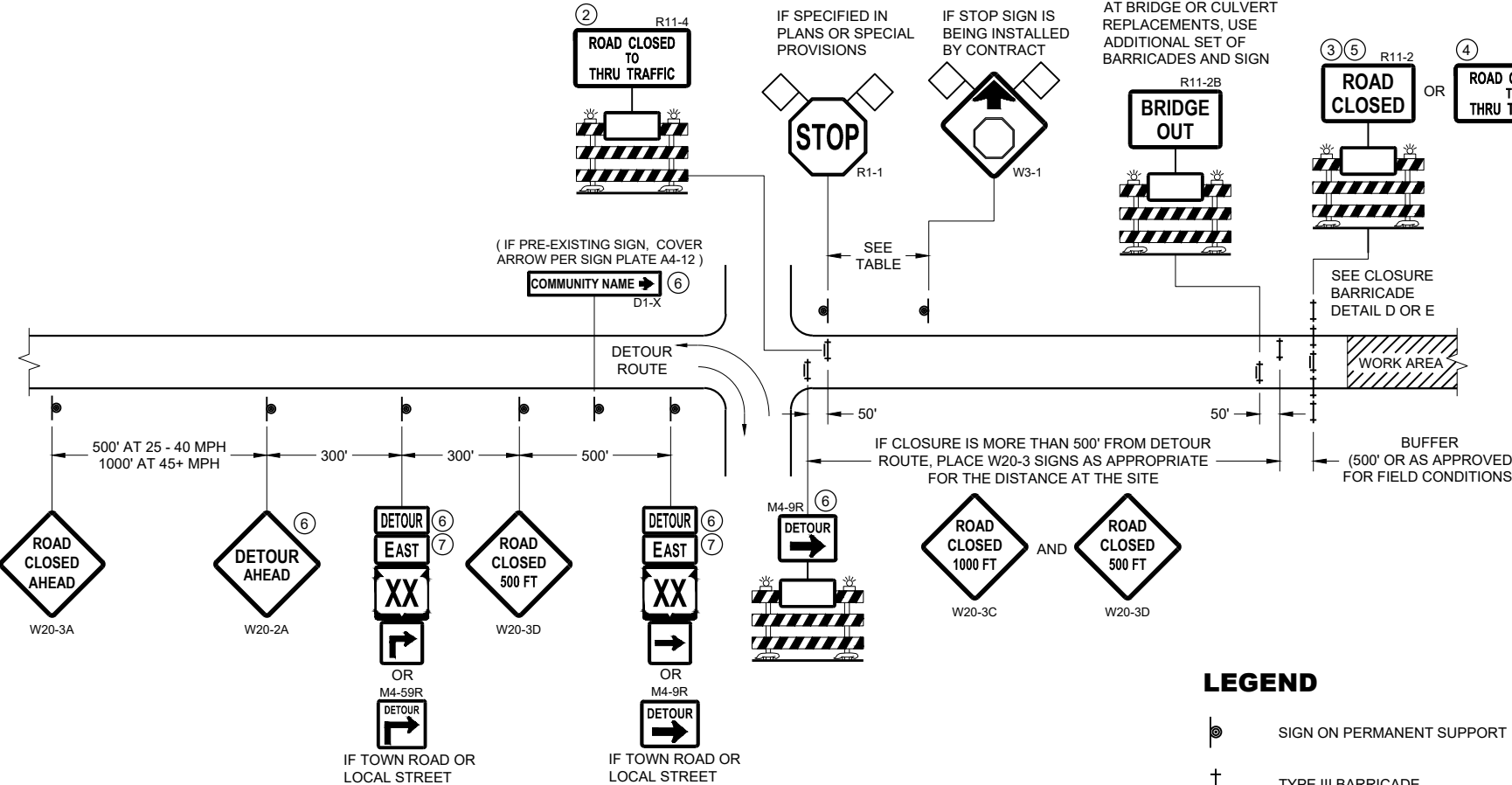
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer

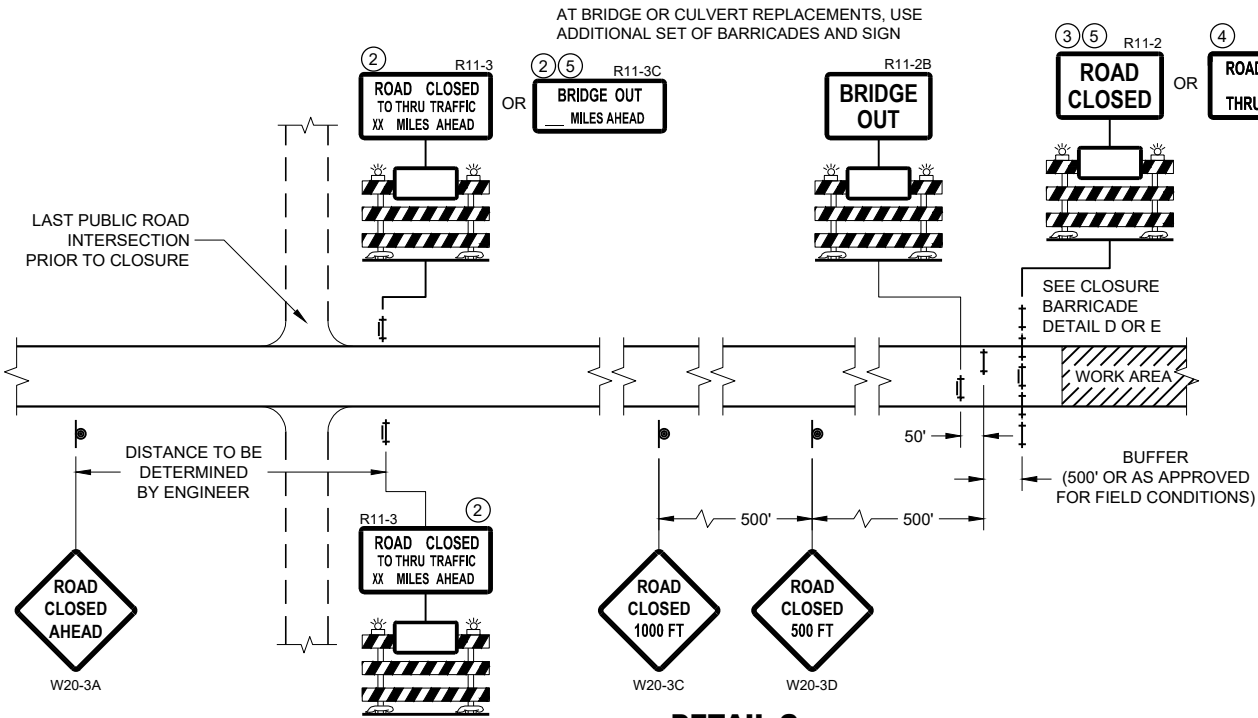
FHWA



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

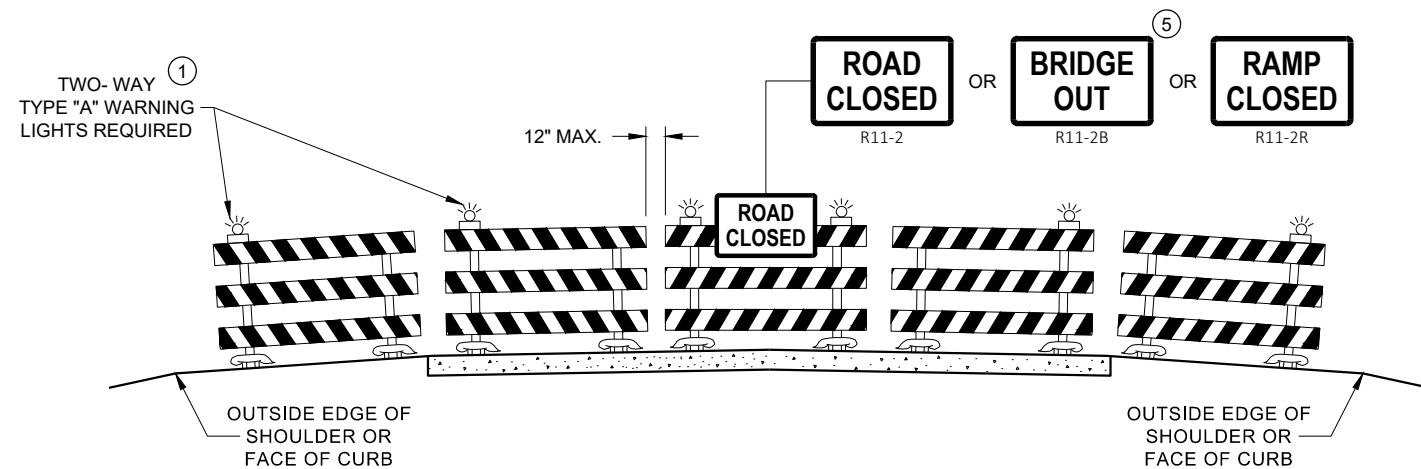
LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR M4 - 8
- EAST M3 - X
- XX M1 - 4 OR XX M1 - 6 OR COUNTY M1 - 5A
- OR M05 - 1 OR M06 - 1

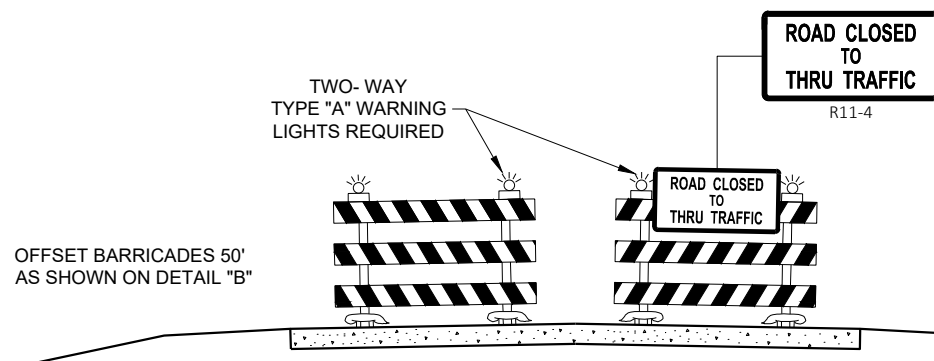
**BARRICADES AND SIGNS
FOR MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

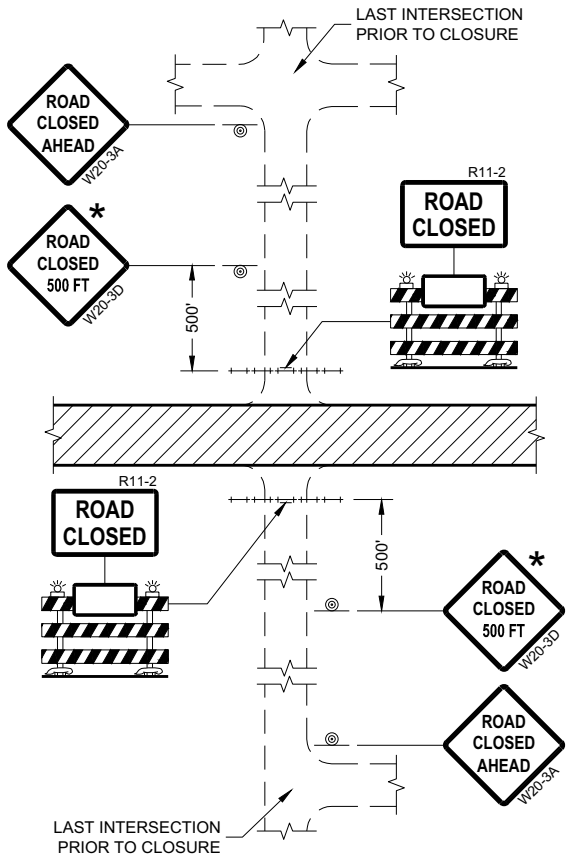
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE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

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

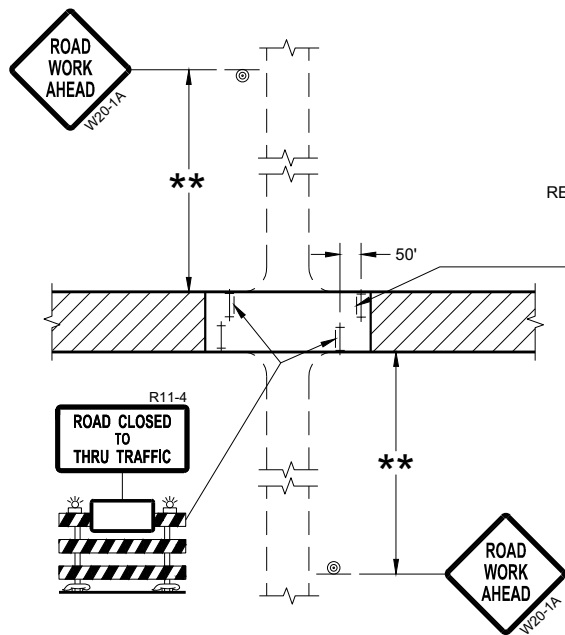
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

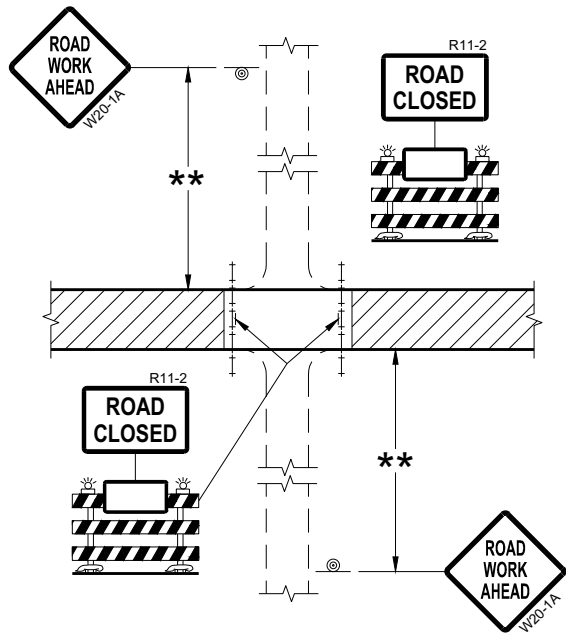
APPROVED
May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA



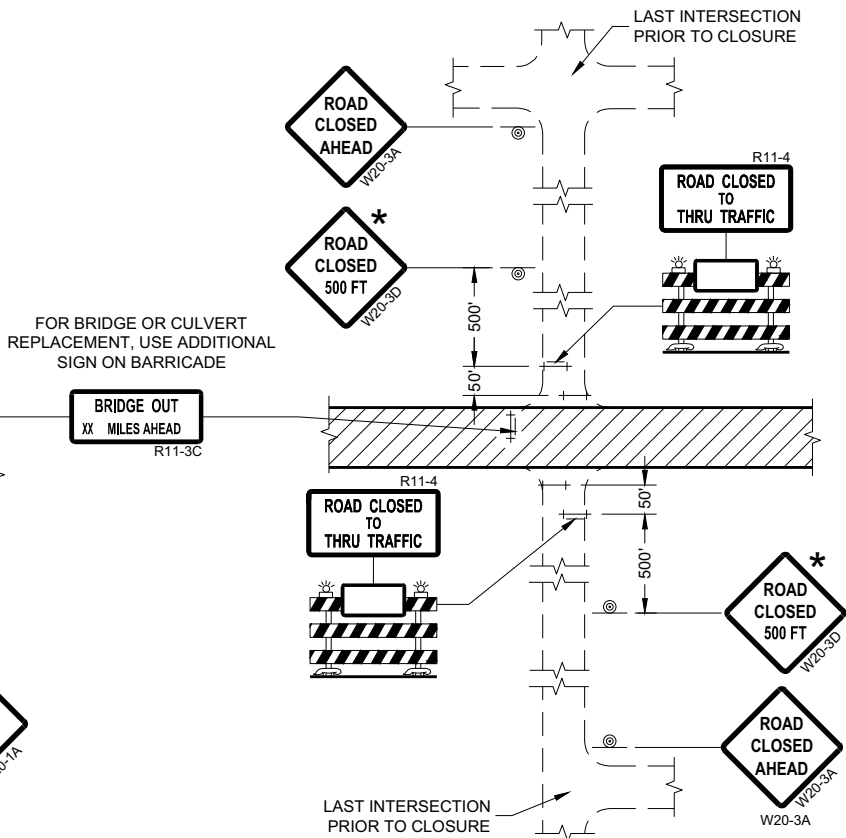
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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.

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

- * OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- ** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

**BARRICADES AND SIGNS
FOR
SIDEROAD CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
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.

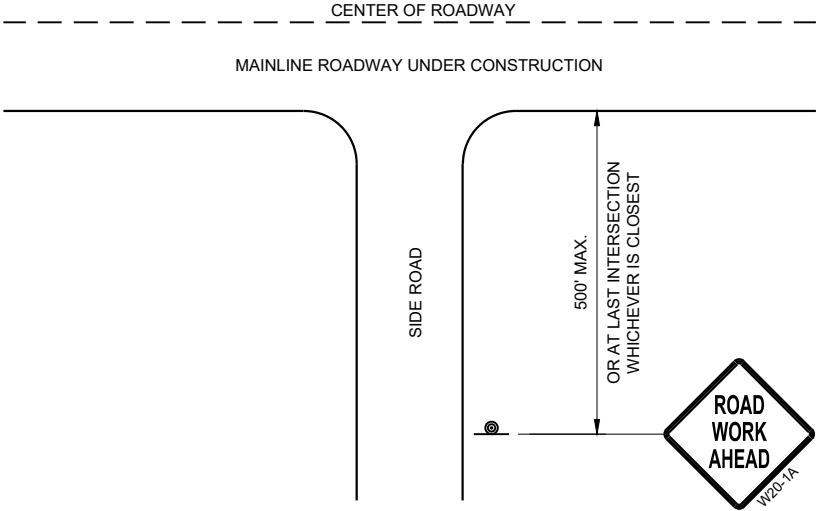
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

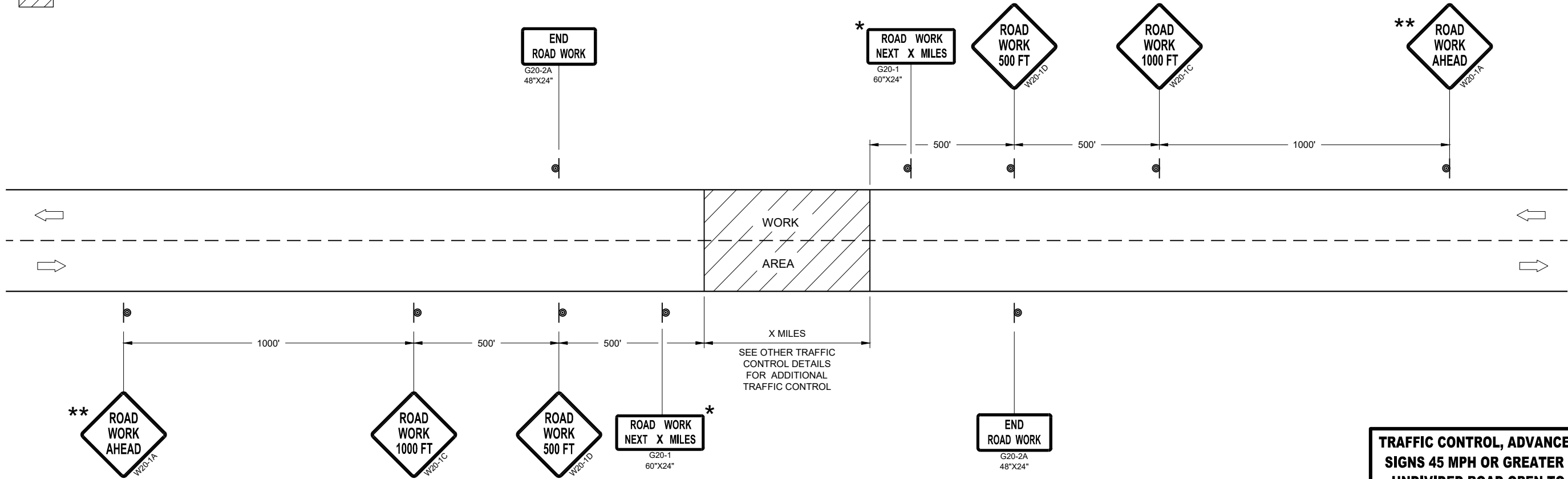
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- ** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

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

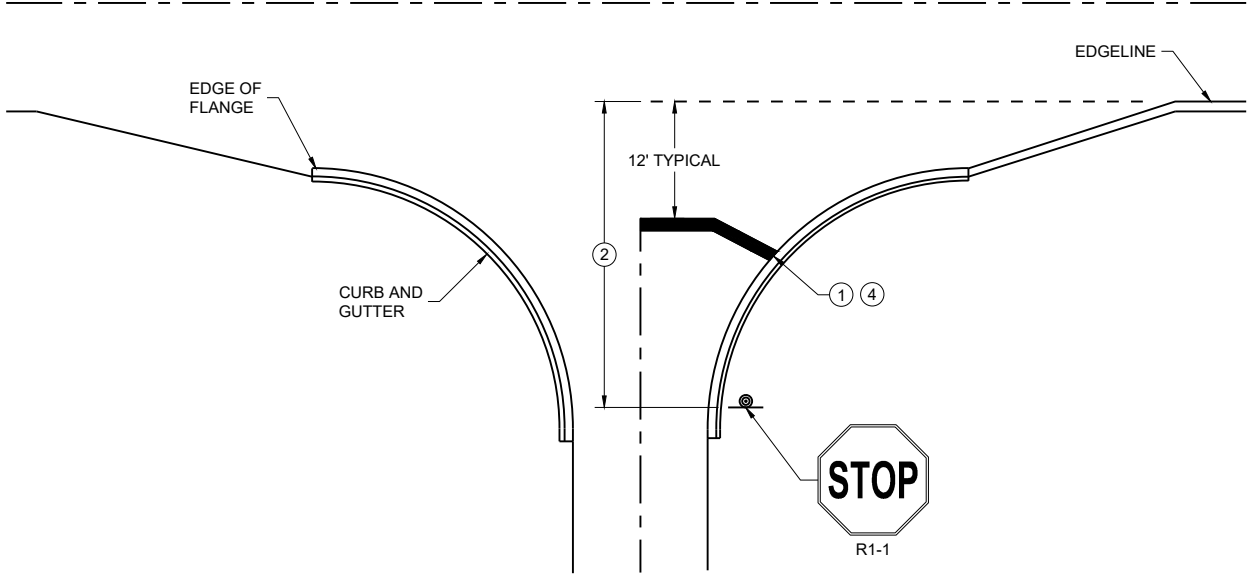
TRAFFIC CONTROL, ADVANCE WARNING
SIGNS 45 MPH OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

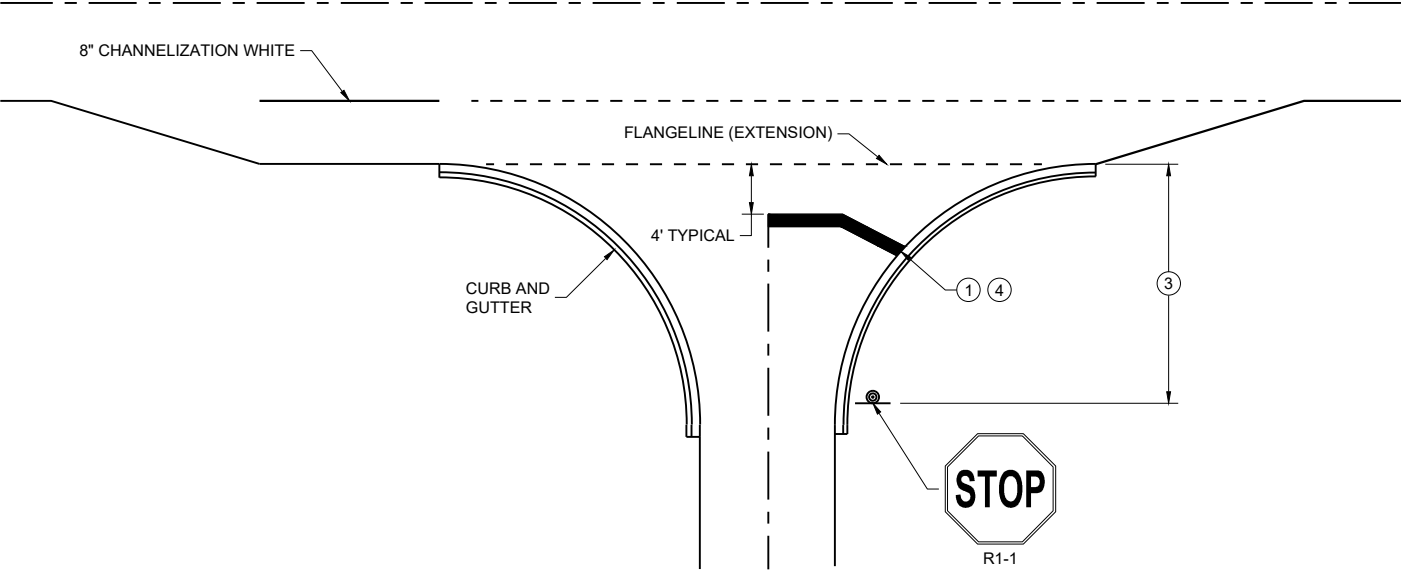
APPROVED
July 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA



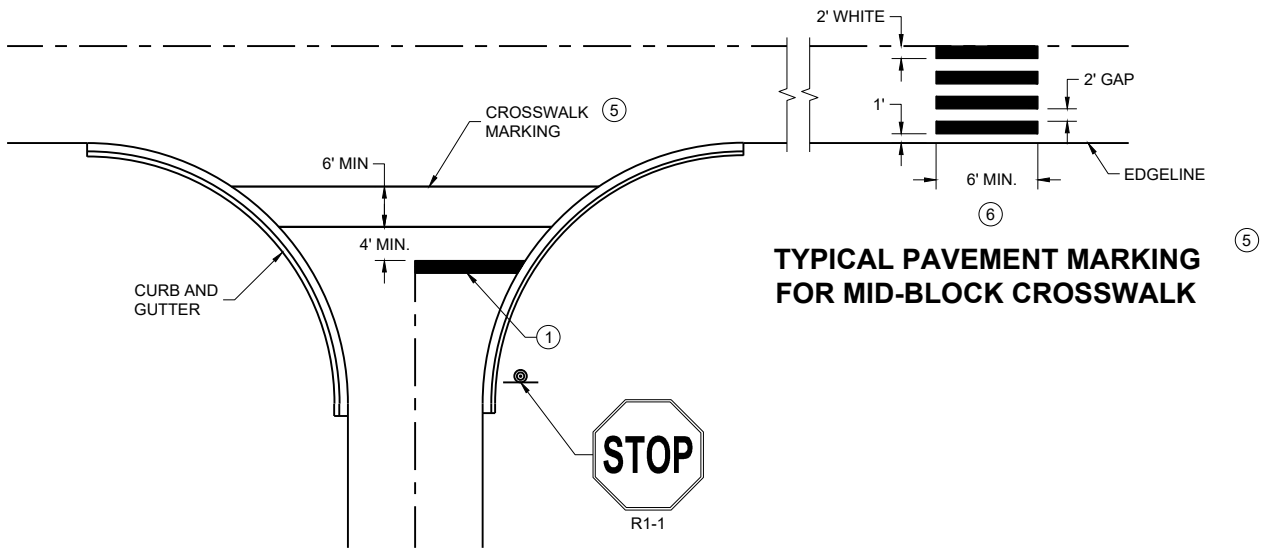
 "T" MARKING
 SIGN ON PERMANENT SUPPORT
 DIRECTION OF TRAFFIC



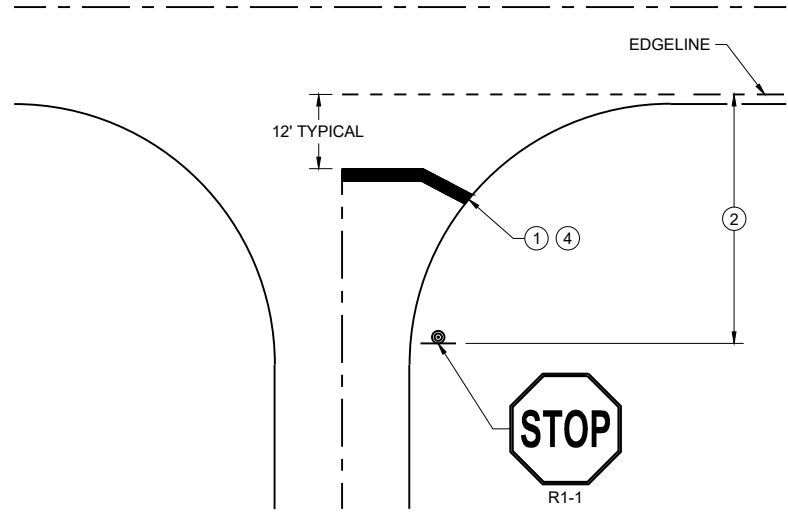
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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.

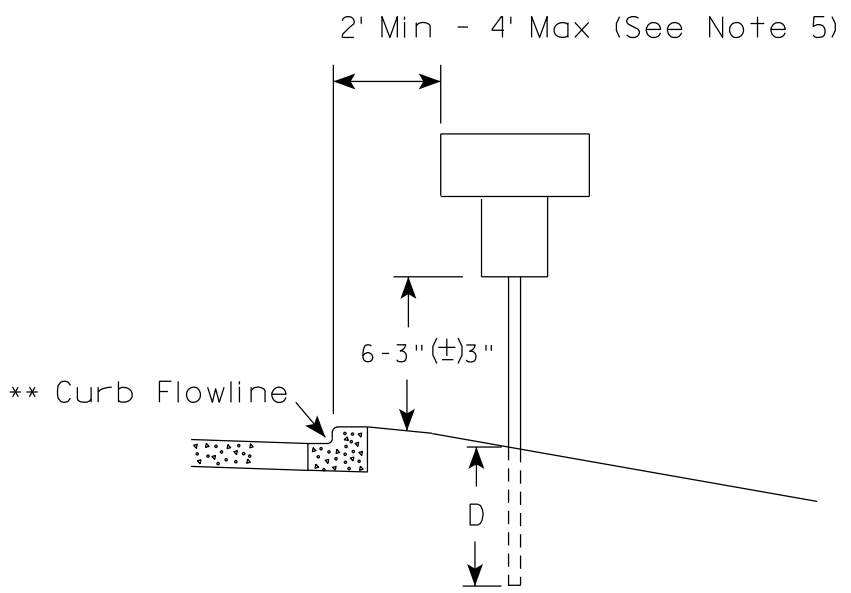
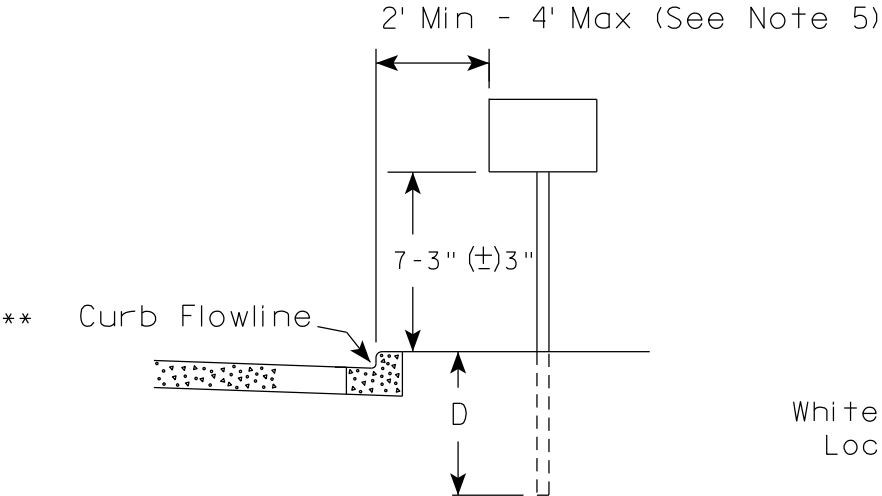
- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- 3 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

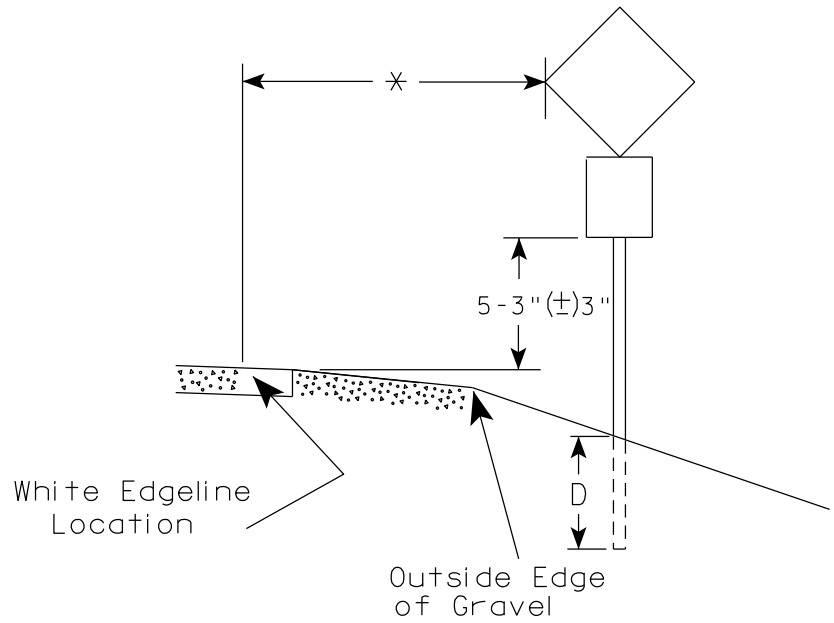
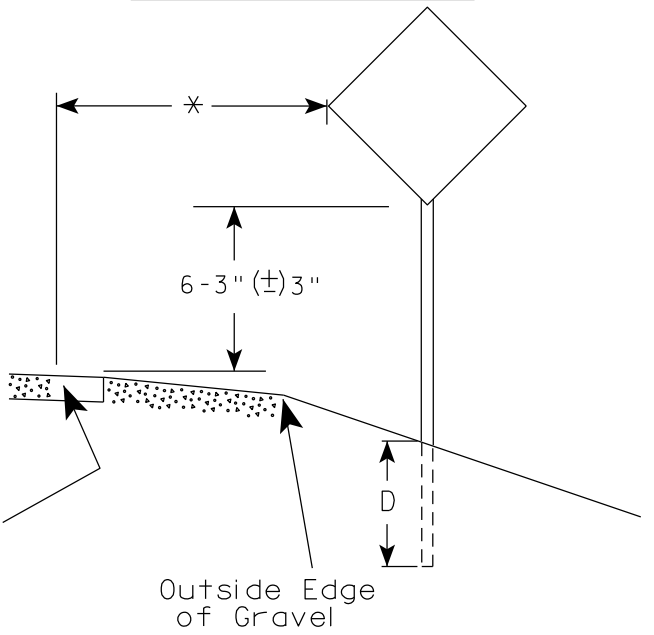
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING
ENGINEER

URBAN AREA



RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 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.

POST EMBEDMENT DEPTH

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

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

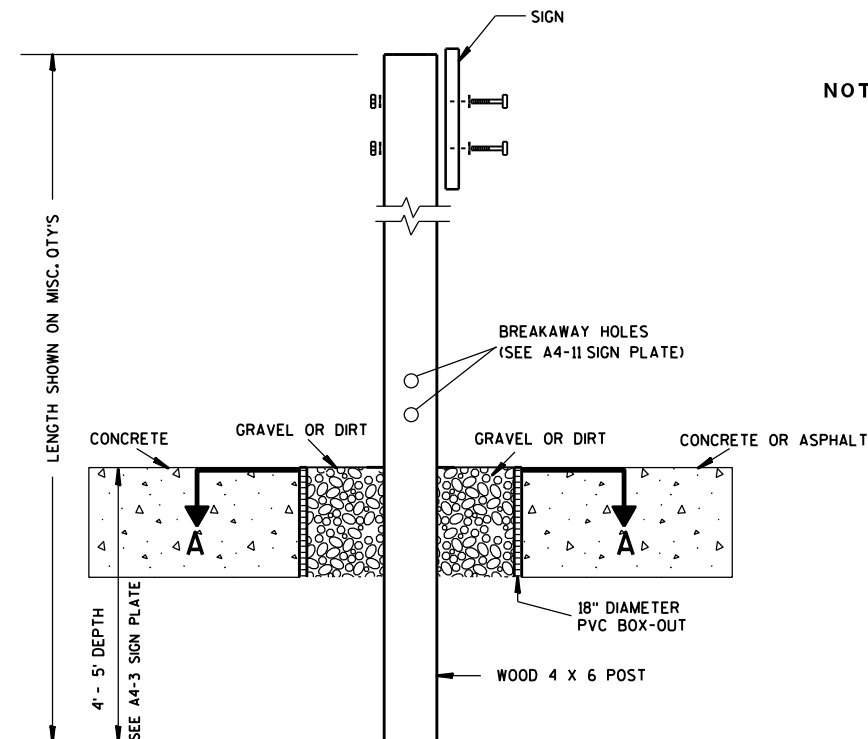
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

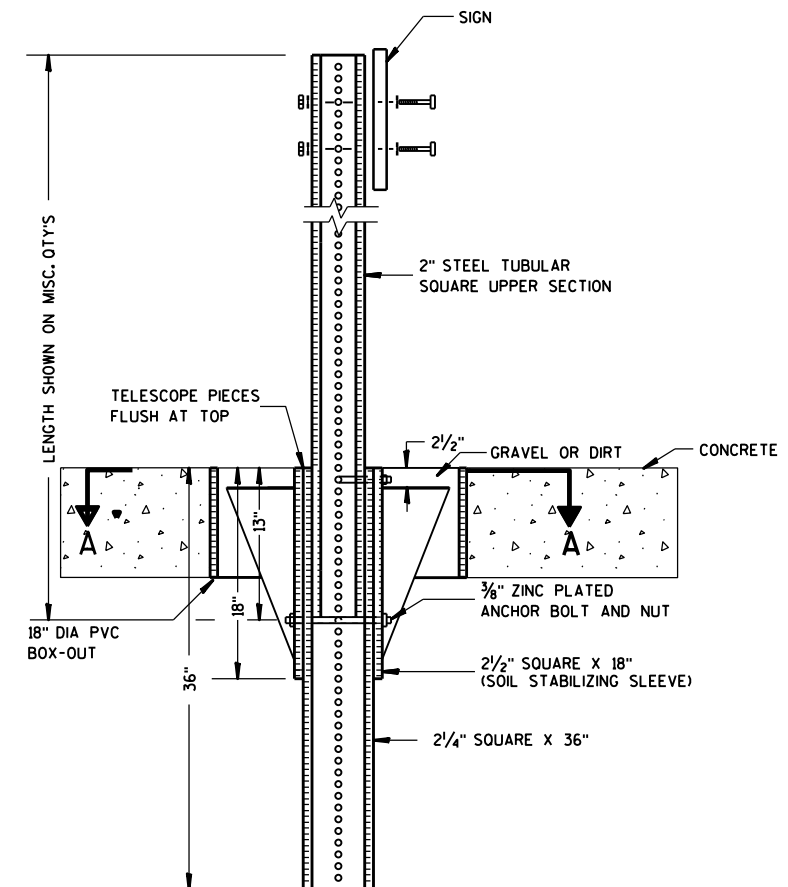
DATE 12/6/23 PLATE NO. A4-3.23



ELEVATION VIEW

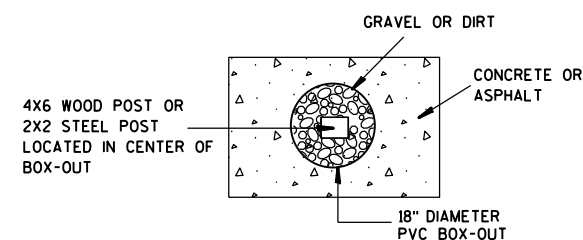
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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 PLATE NO. A4-3B.1

PROJECT NO:

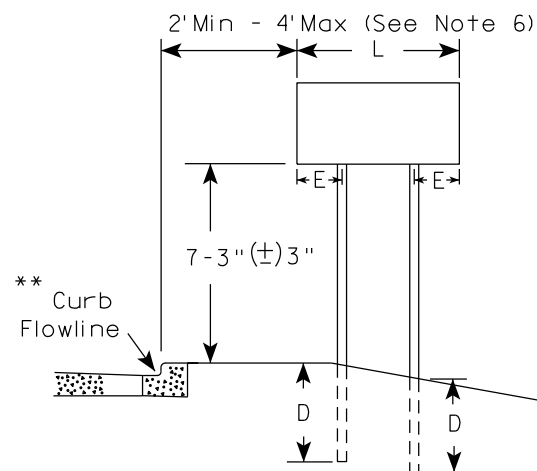
HWY:

COUNTY:

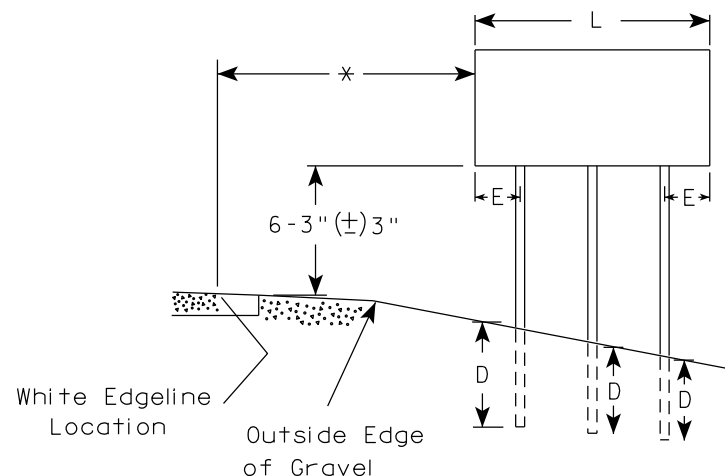
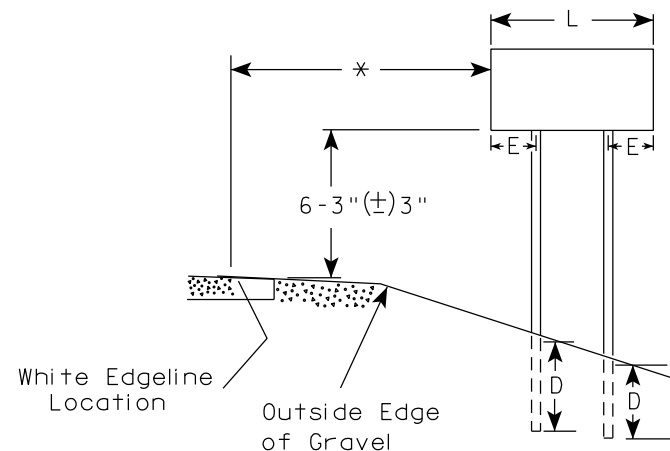
SHEET NO:

E

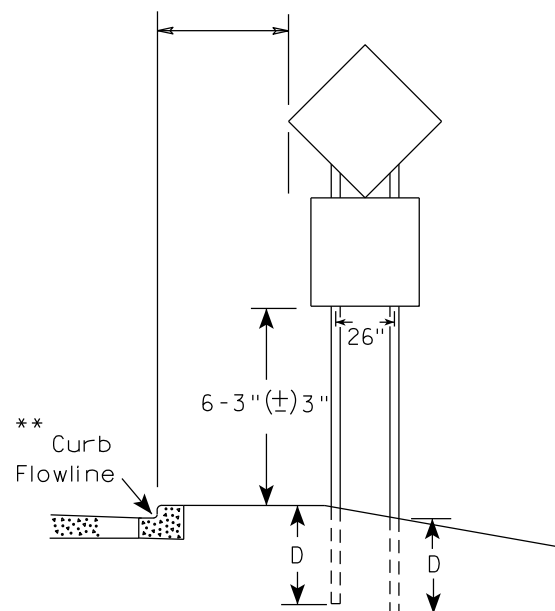
URBAN AREA



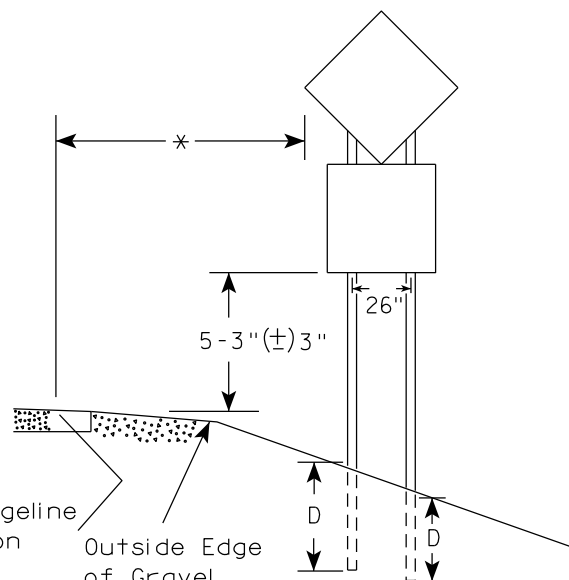
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

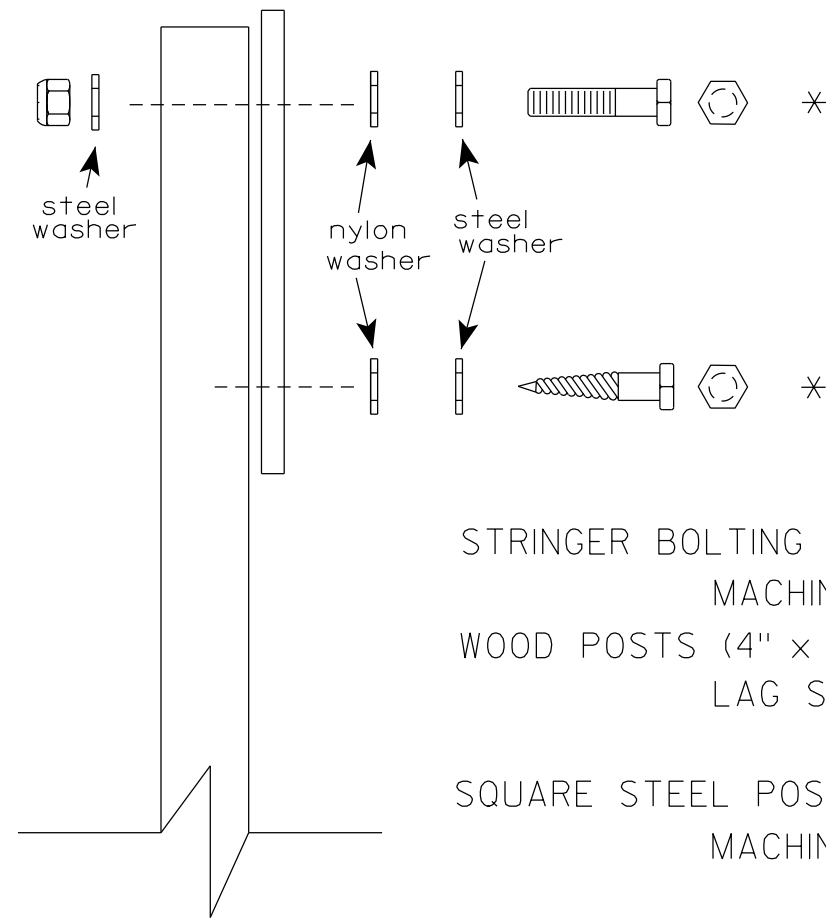
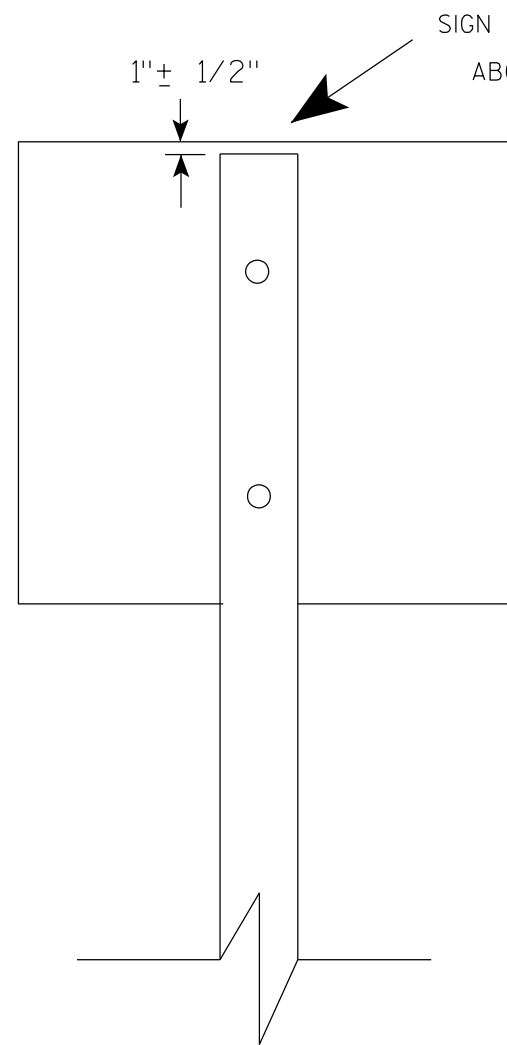
GENERAL NOTES

- For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.
- J-Assemblies are considered to be one sign for mounting height.
- Offset distance shall be consistent with existing signs or consistent throughout length of project.
- Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
- 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.



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.

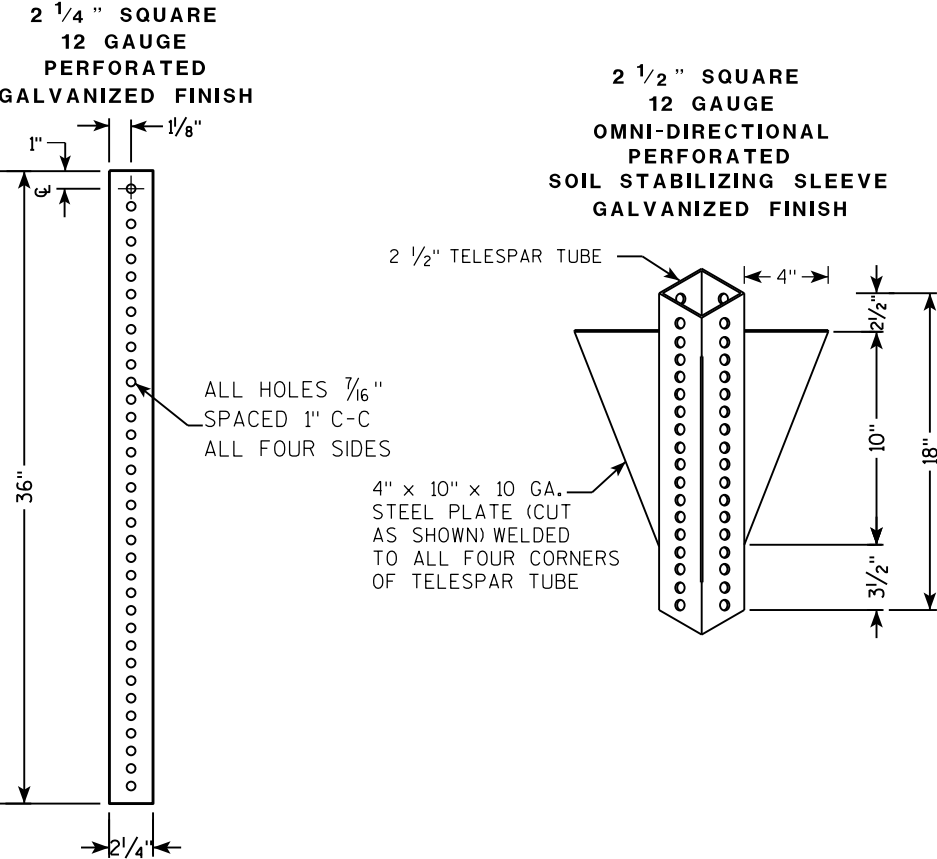
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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

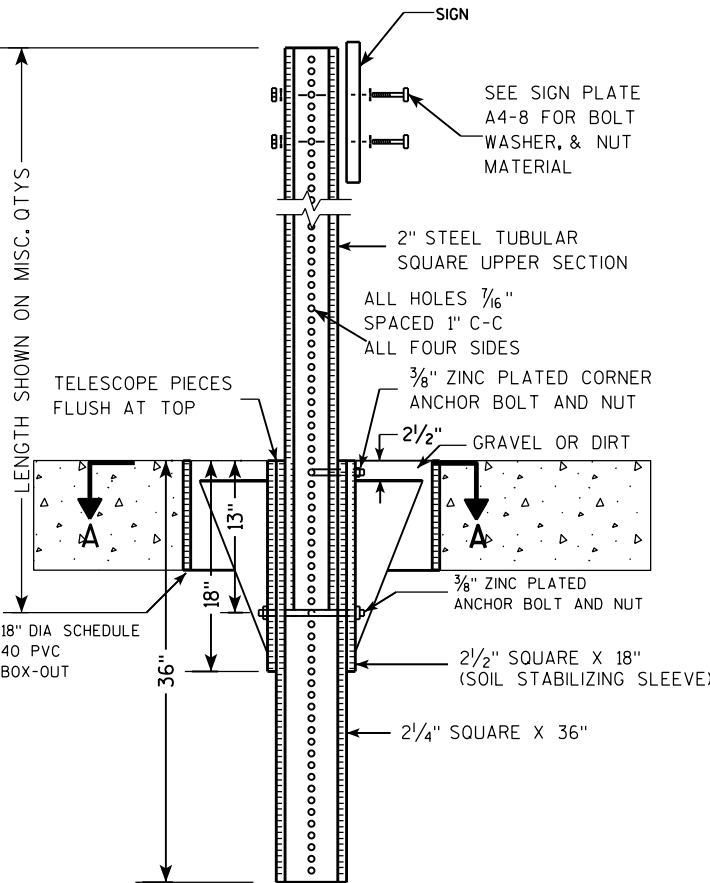
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

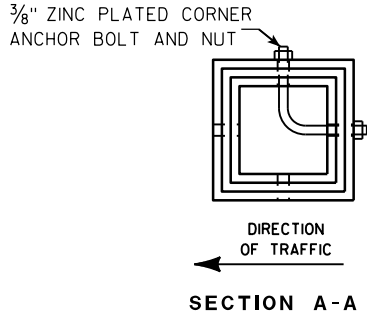
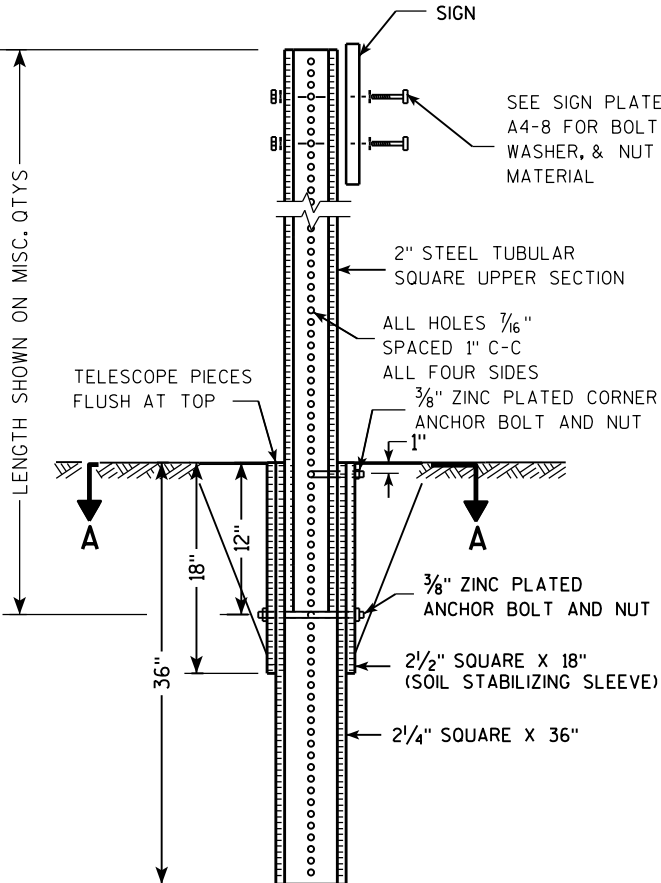
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



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).

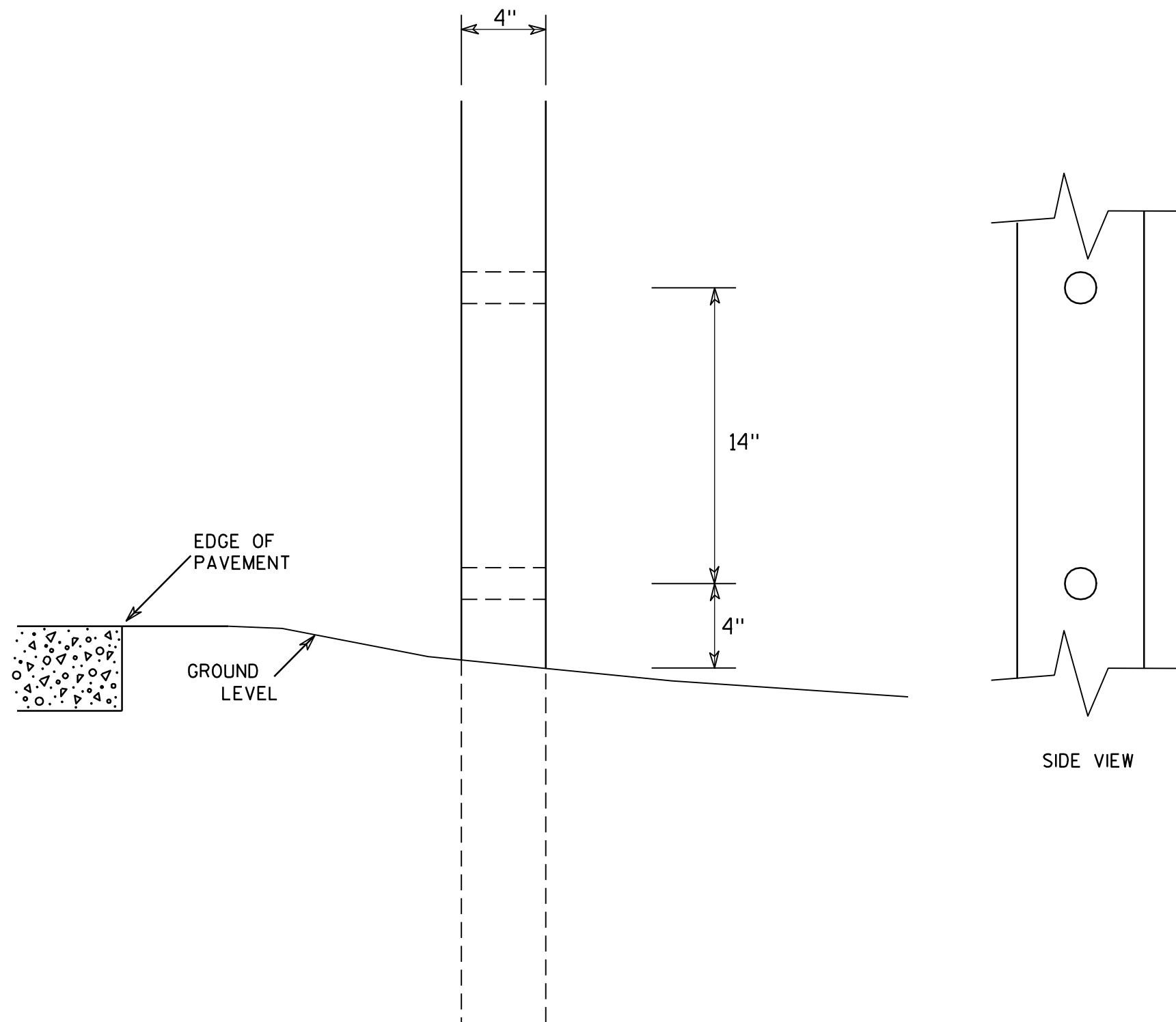
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9

7



GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

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:

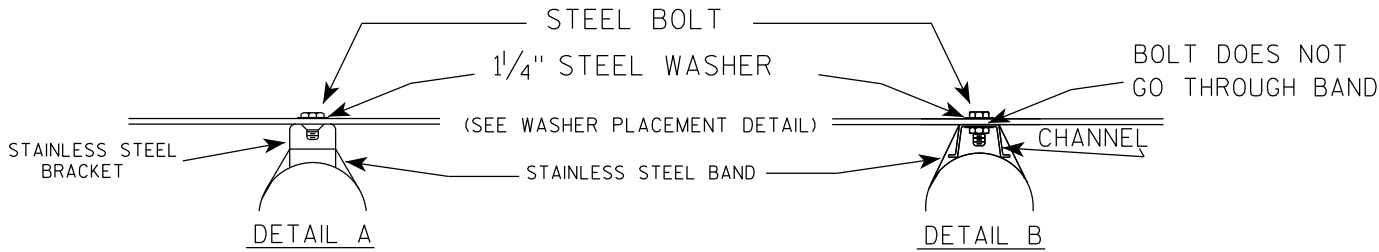
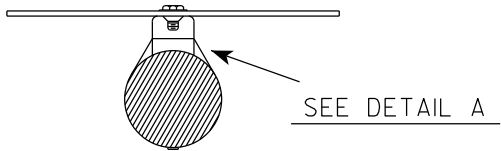
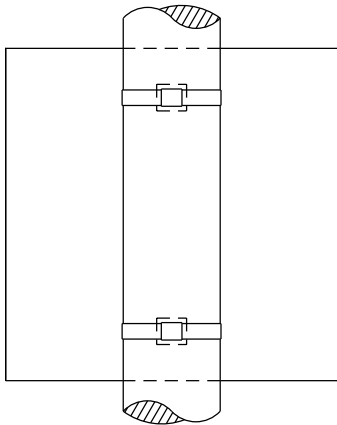
COUNTY:

SHEET NO:

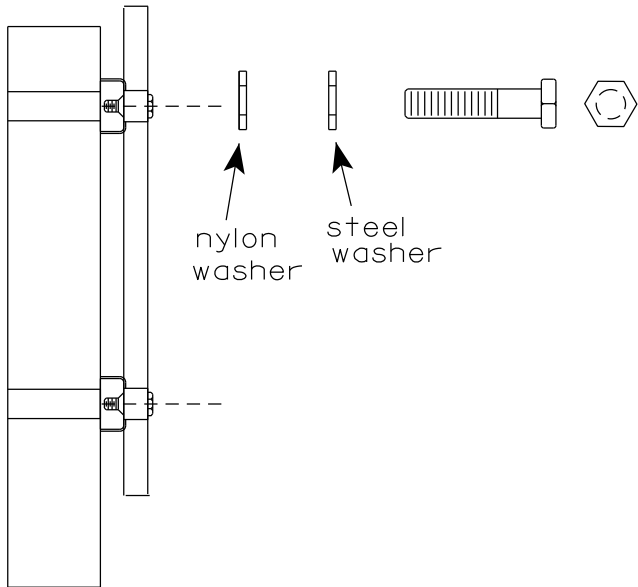
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

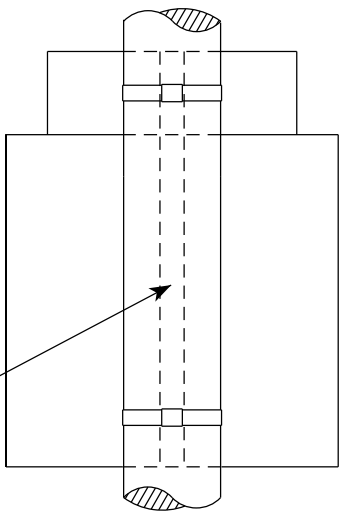


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

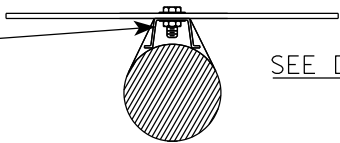
GENERAL NOTES

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

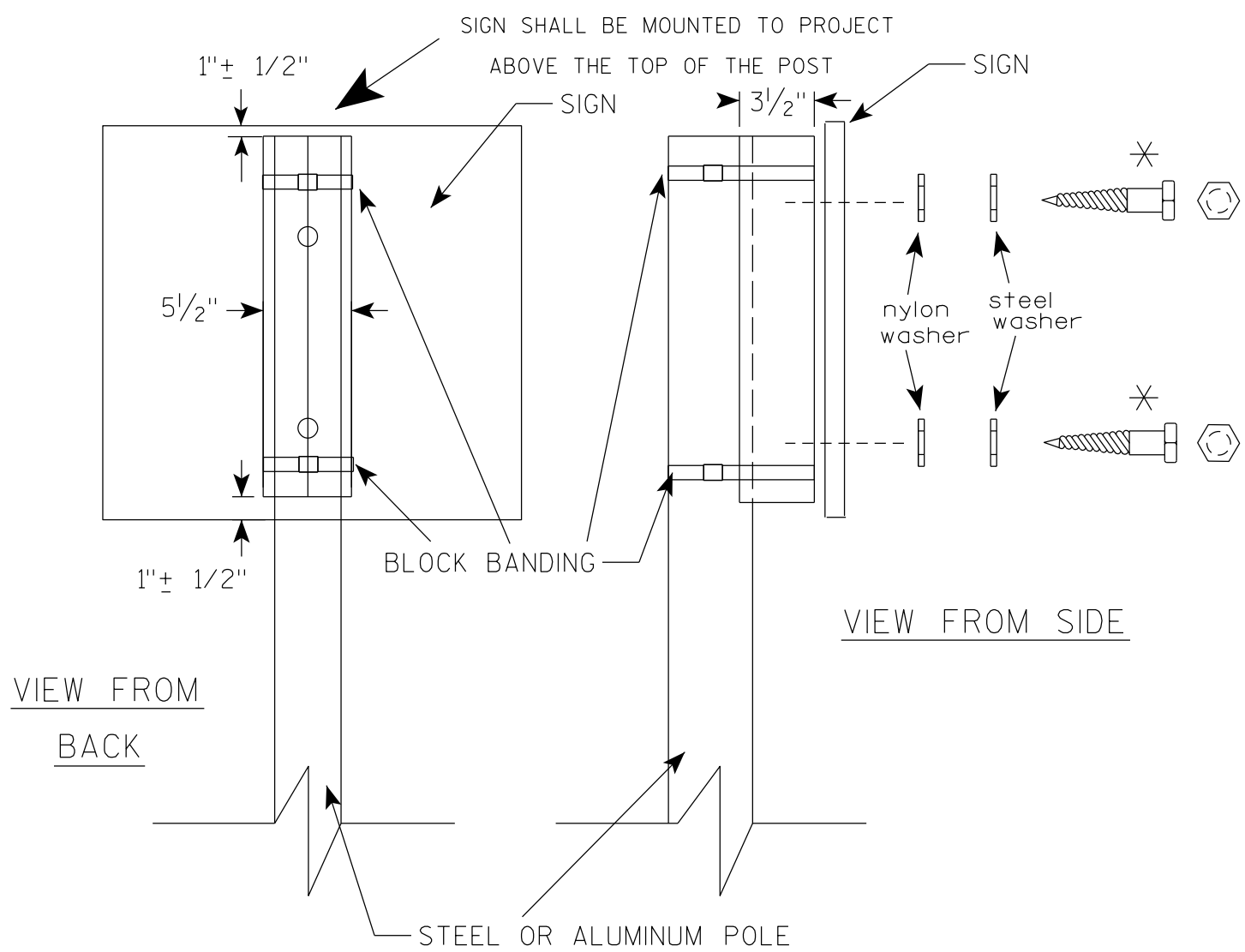


STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

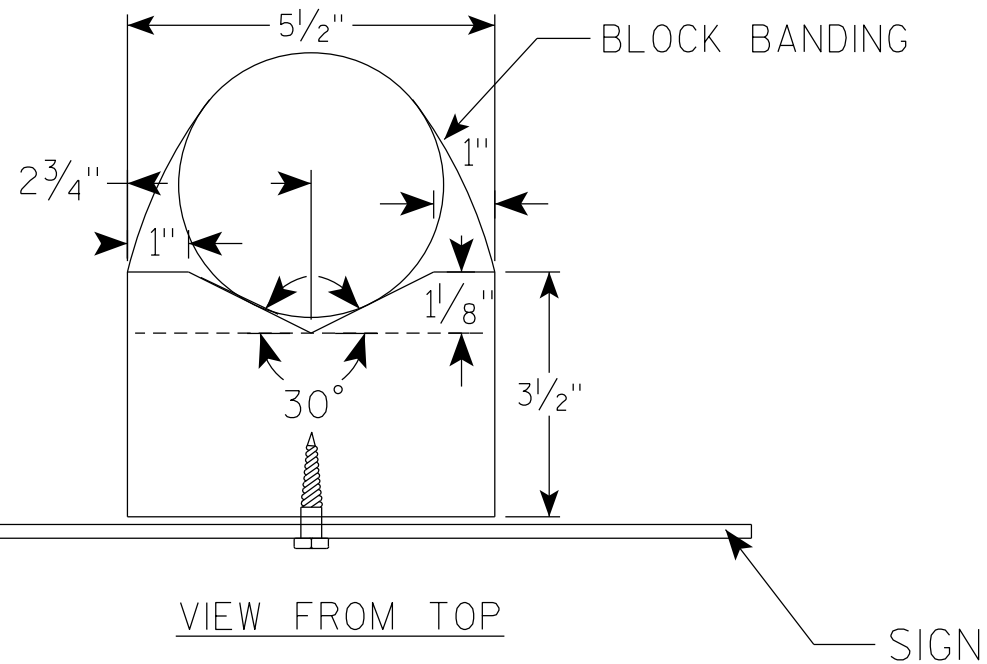
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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:

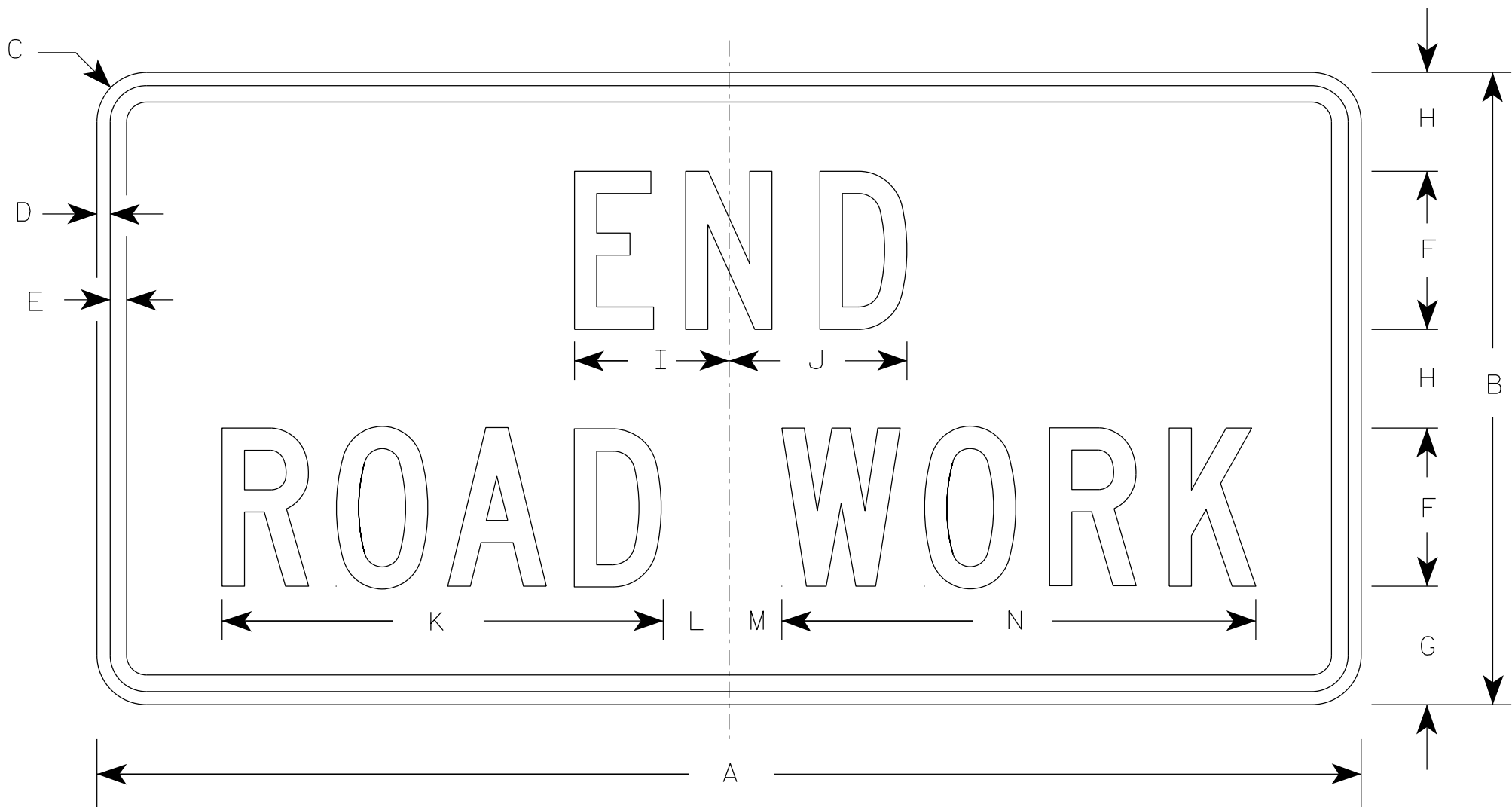
E

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:

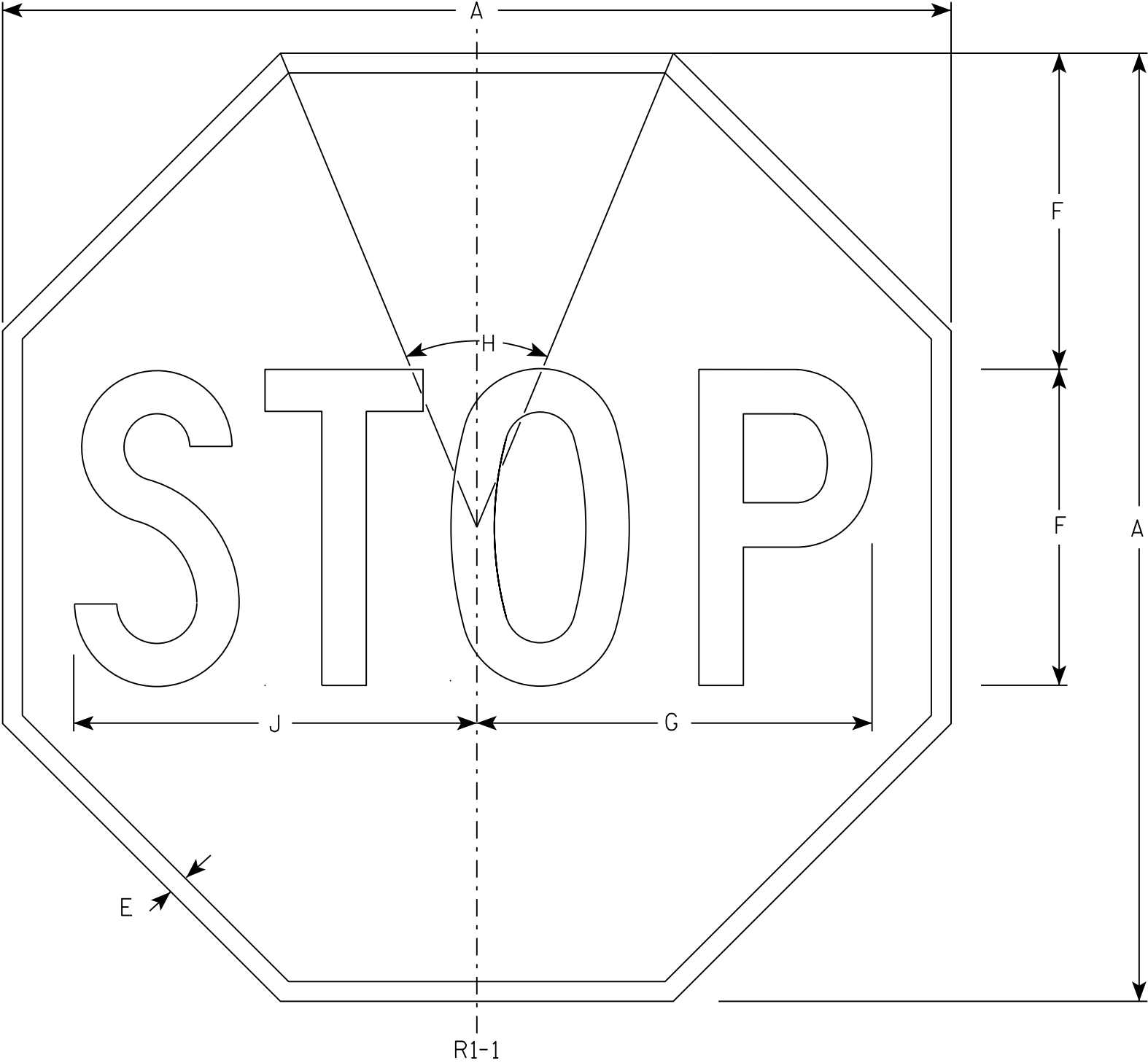
HWY:

COUNTY:

SHEET NO:

E

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

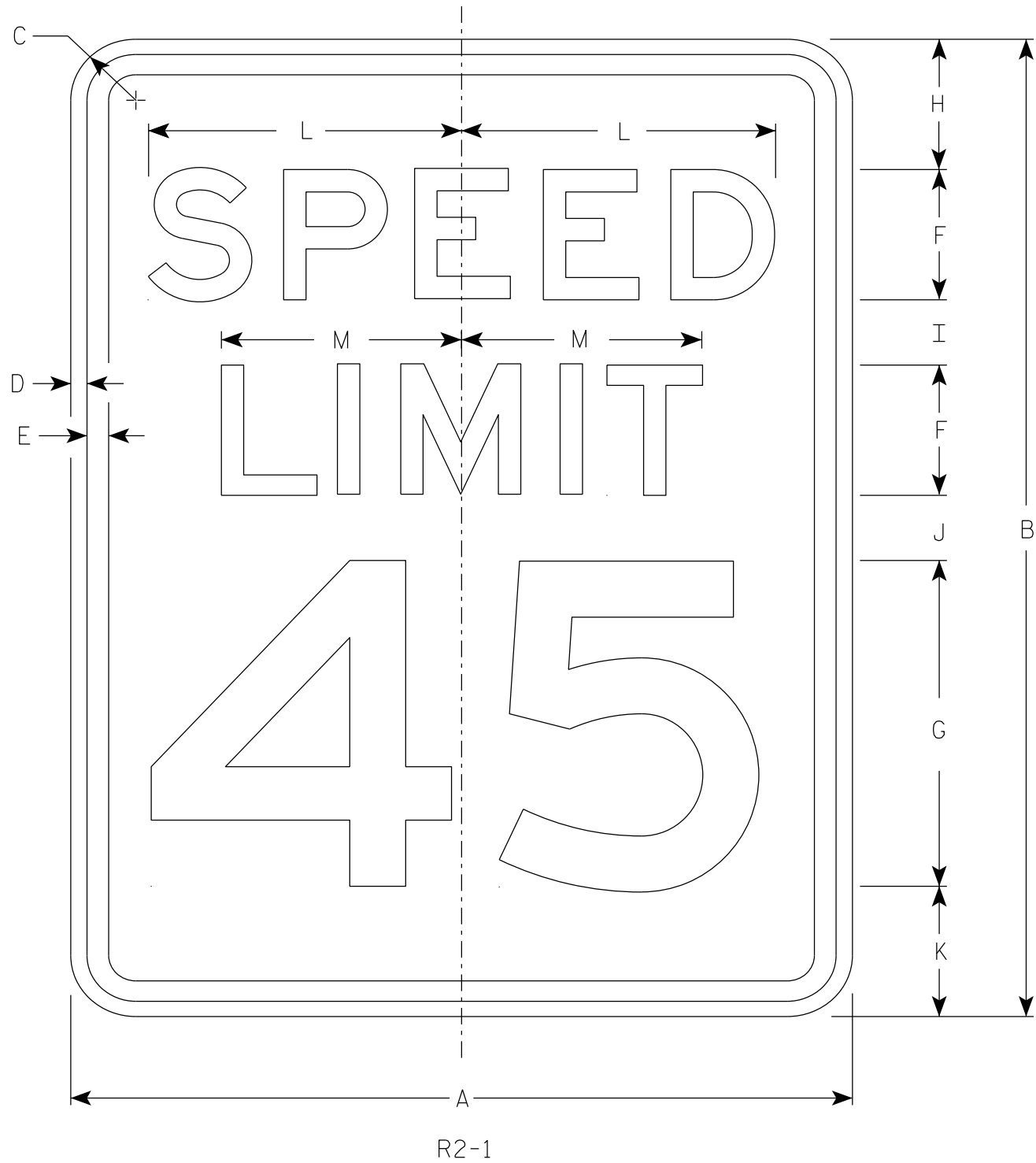
STANDARD SIGN
R1 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

7



NOTES

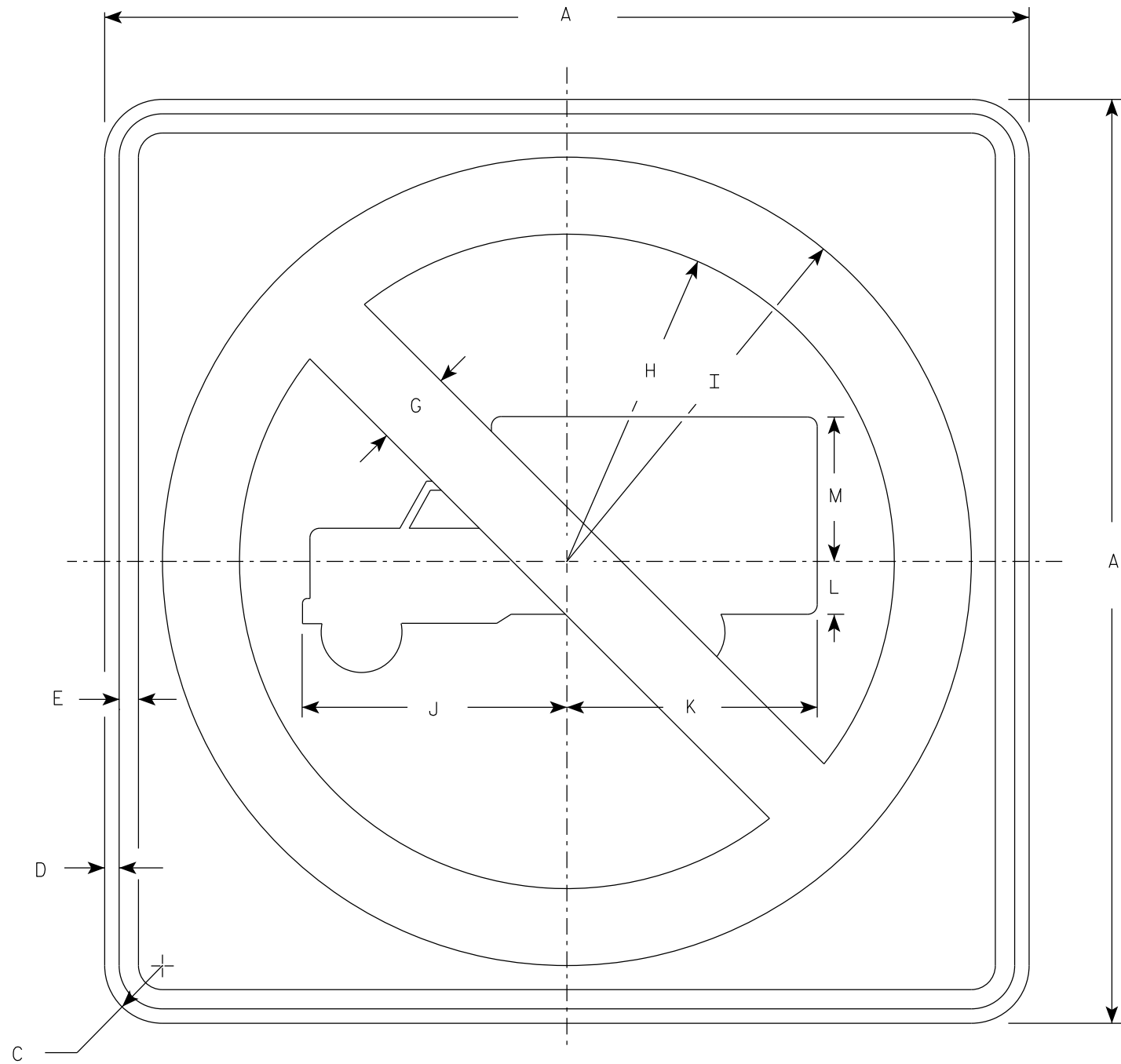
- 1. Sign is Type II - Type H Reflective
- 2. Color:
 - Background - White
 - Message - Black
- 3. Message Series - E
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

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	<i>Matthew R Rauch</i> for State Traffic Engineer
DATE <u>2/1/23</u>	PLATE NO. <u>R2-1.14</u>

7



R5-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - See Note 3
3. Circle & Diagonal - Red
Truck Symbol & Border - Black

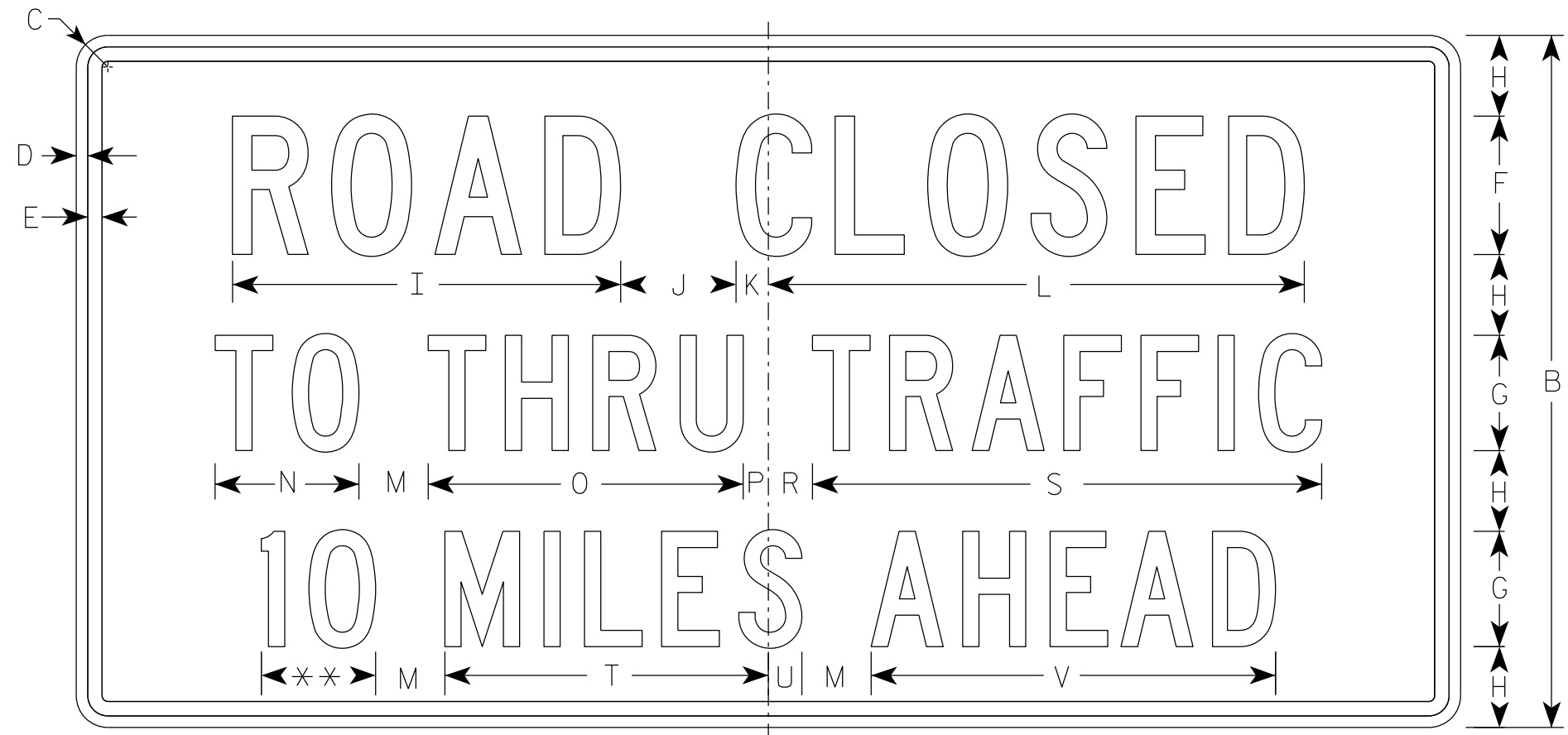
7

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		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 7/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		2 1/4	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

PROJECT NO:		HWY:		COUNTY:		SHEET NO:		E
-------------	--	------	--	---------	--	-----------	--	---

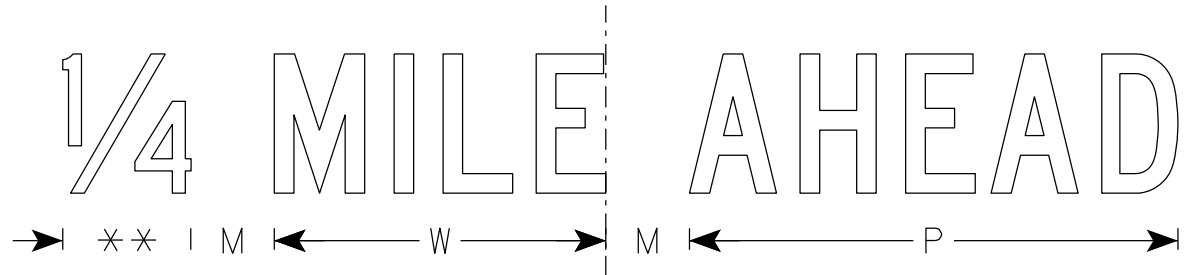
7

7



R11-3

** See Note 5



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing 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	36	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO:

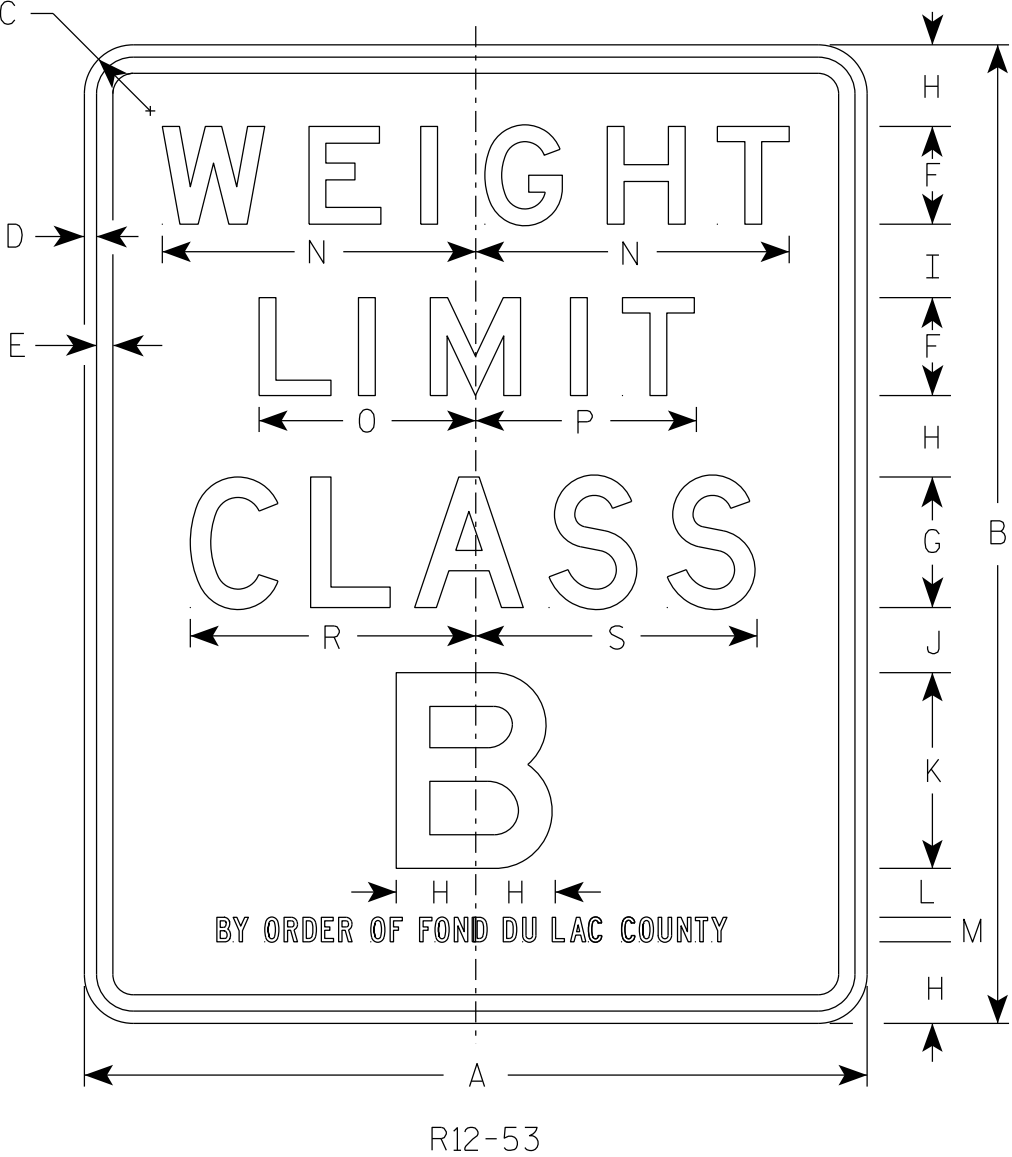
HWY:

COUNTY:

SHEET NO:

E

7



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - Lines 1, 2 & 4 are Series E.
Line 3 is Series D.
Line 5 is Series C.
4. Line 5 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 1/4	2	6	1 1/2	3/4	9 5/8	6 5/8	6 3/4		8 3/4	8 5/8								5.0
2M	24	30	1 1/2	3/8	1/2	3	4	2 1/2	2 1/4	2	6	1 1/2	3/4	9 5/8	6 5/8	6 3/4		8 3/4	8 5/8								5.0
3																											
4																											
5																											

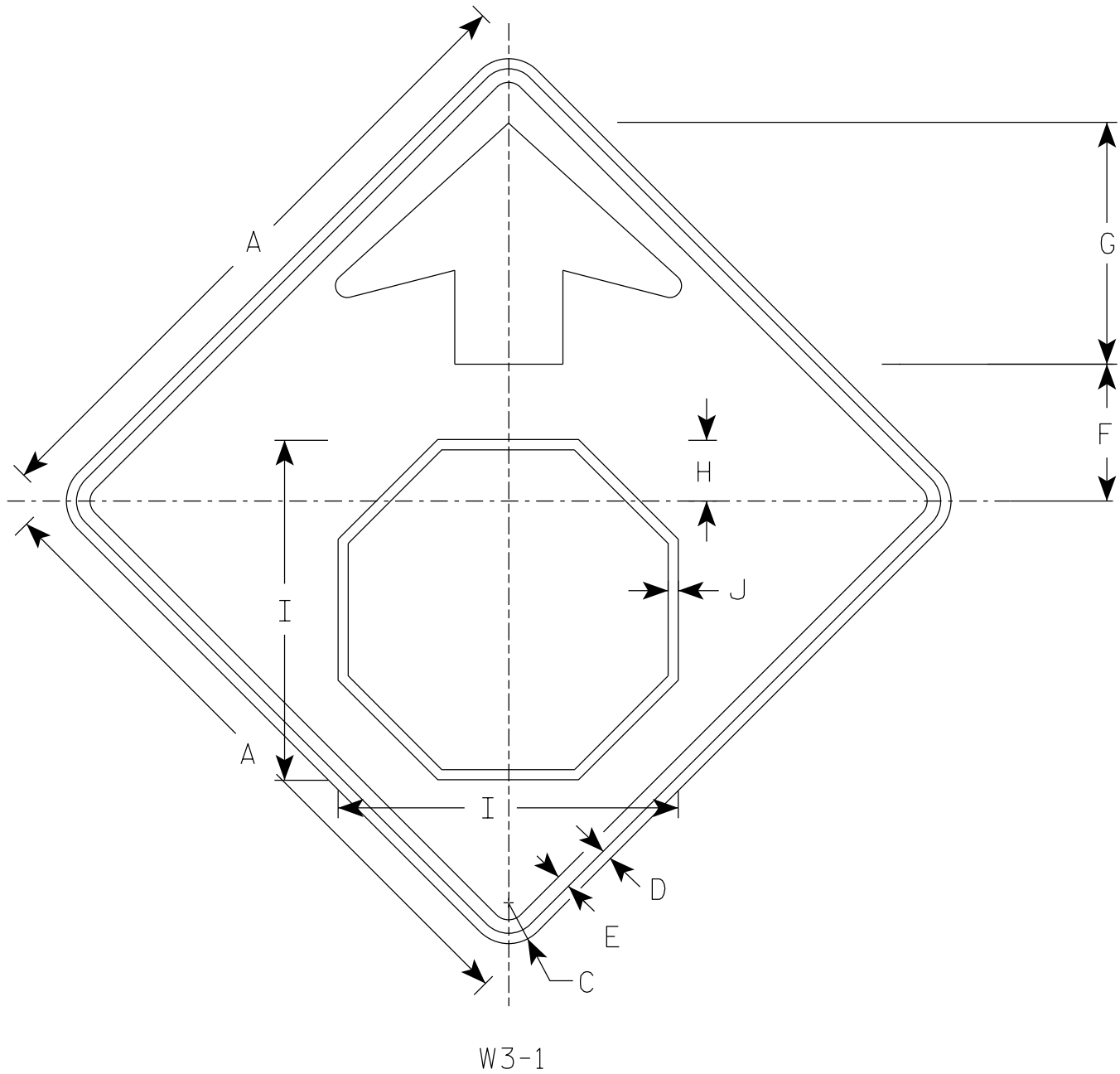
STANDARD SIGN
R12-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

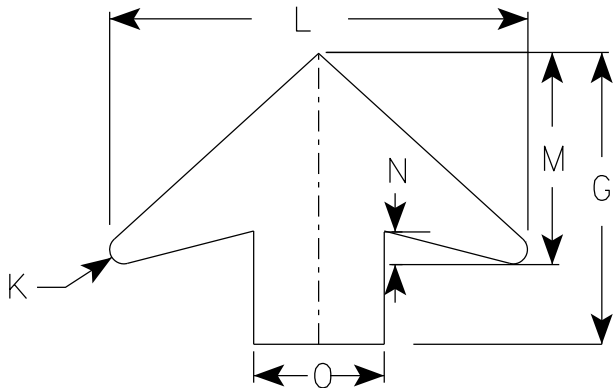
DATE 2/8/24 PLATE NO. R12-53.4

7



NOTES

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



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

PROJECT NO:

SHEET NO:

E

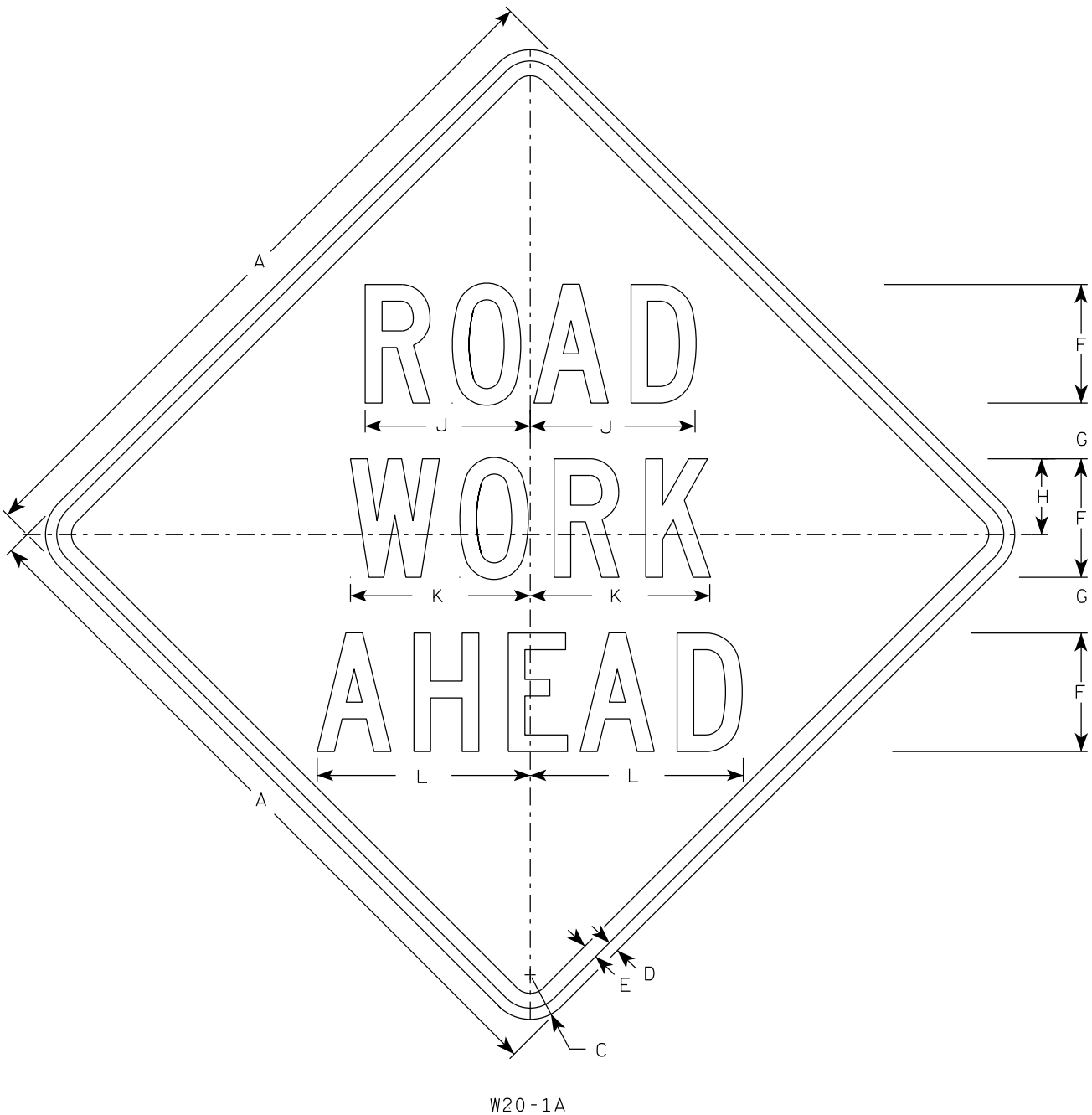
STANDARD SIGN

W3-1

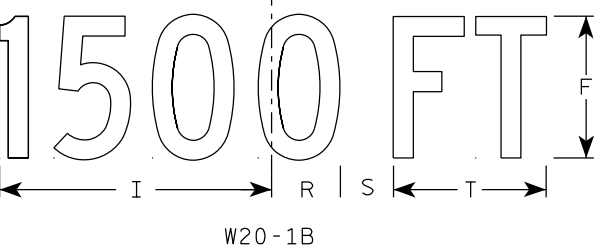
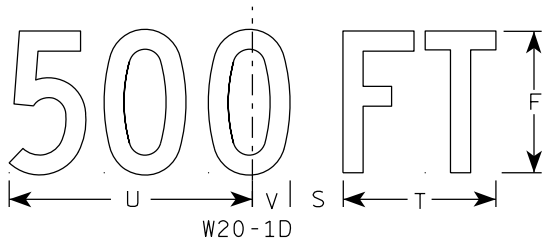
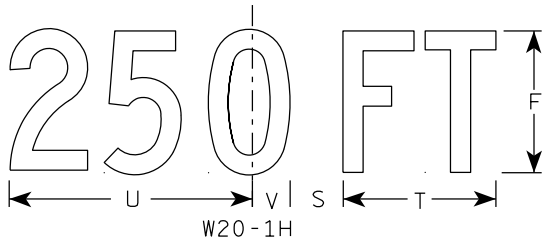
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W3-1.13

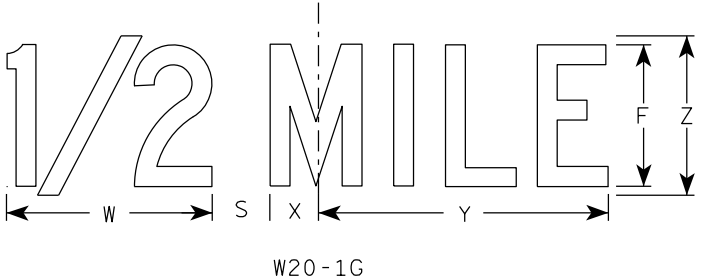


W20-1A

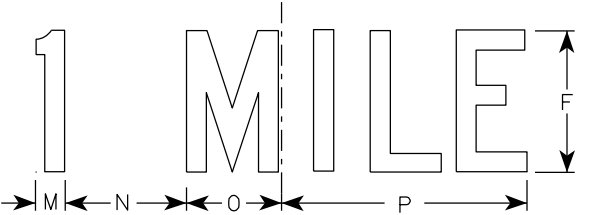


W20-1B

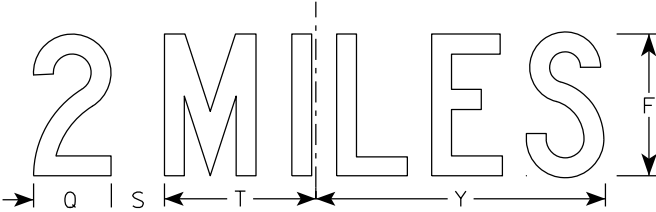
- NOTES
1. Sign is Type II - Type F Reflective
 2. Color:
Background - Orange
Message - Black
 3. Message Series - C
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G

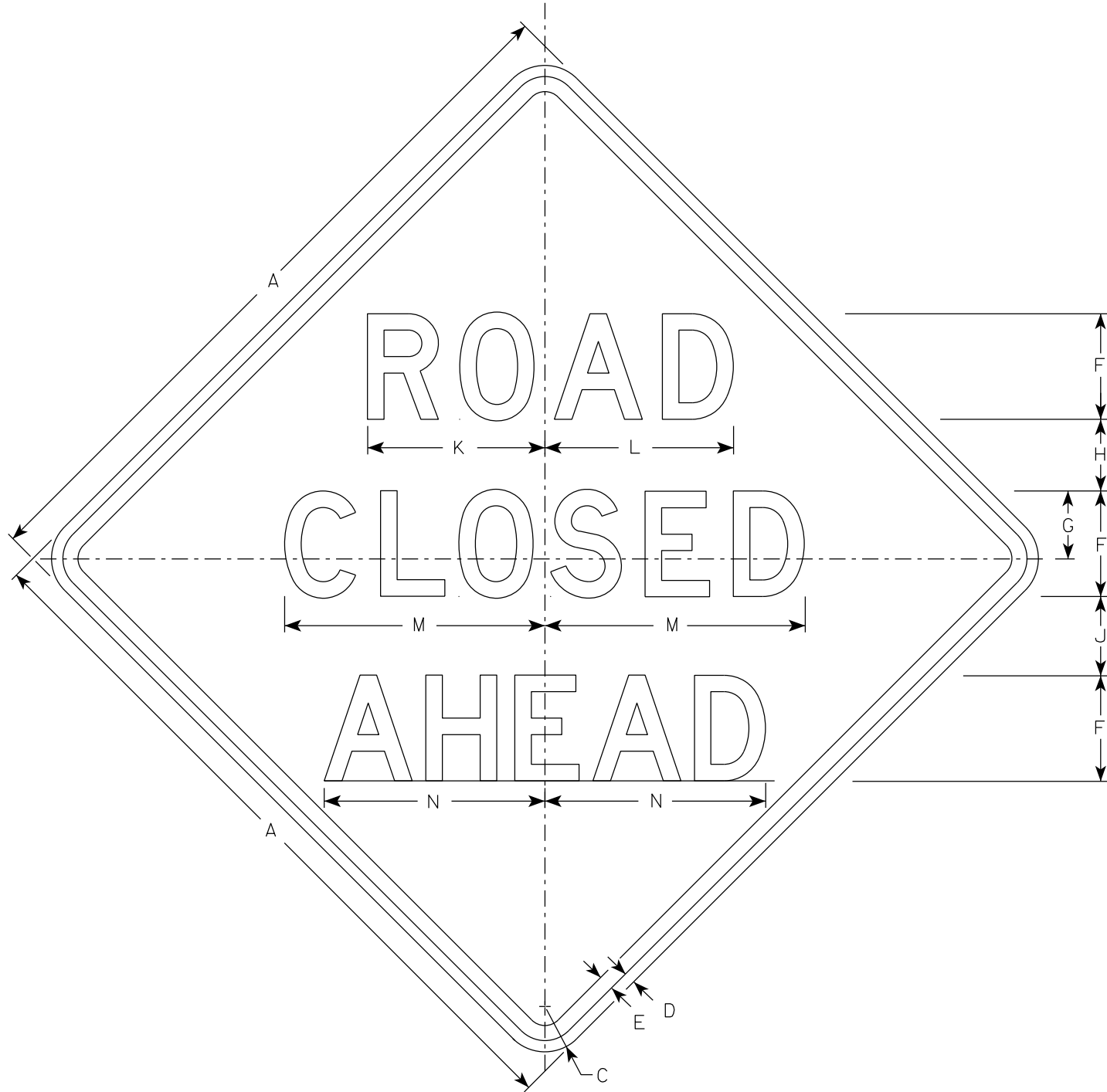


W20-1F

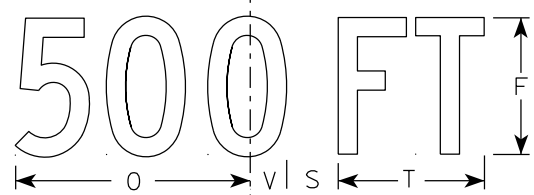


W20-1E

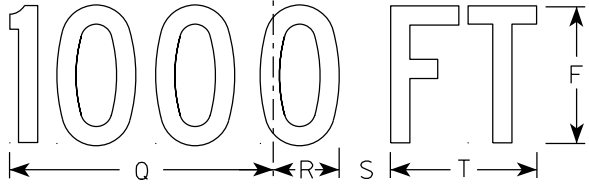
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13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



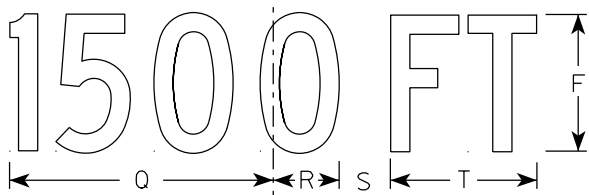
W20-3A



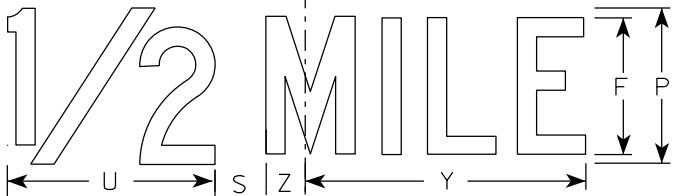
W20-3D



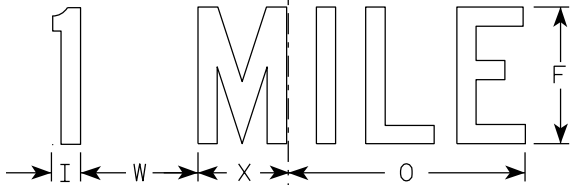
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

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

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	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

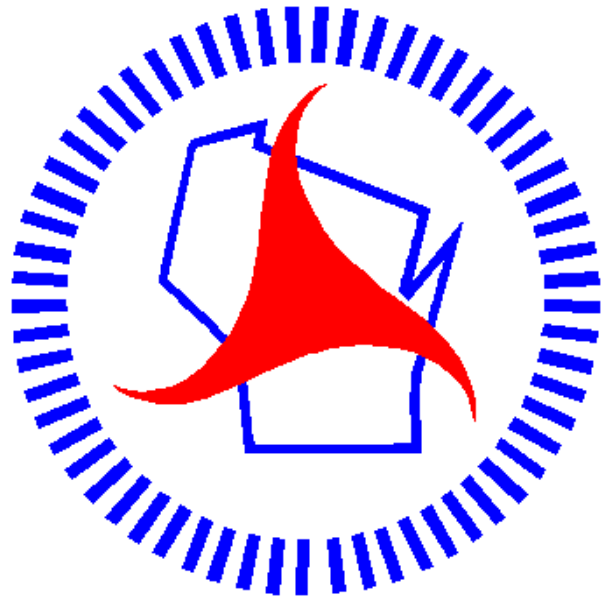
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>