

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WAUPACA - OGDENSBURG

CONSTANCE ROAD TO FULTON STREET

CTH E WAUPACA COUNTY

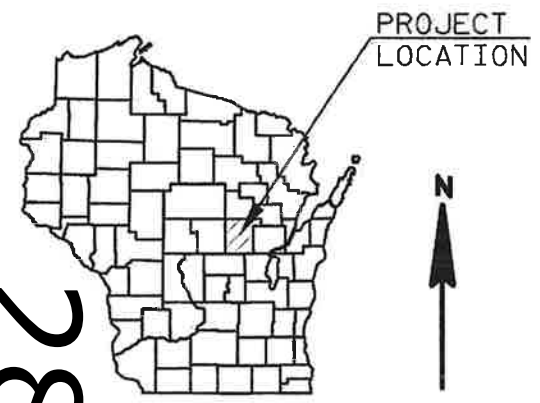
STATE PROJECT NUMBER
6844-01-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6844-01-71	WISC 2023164	1

ORDER OF SHEETS

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

TOTAL SHEETS = 70

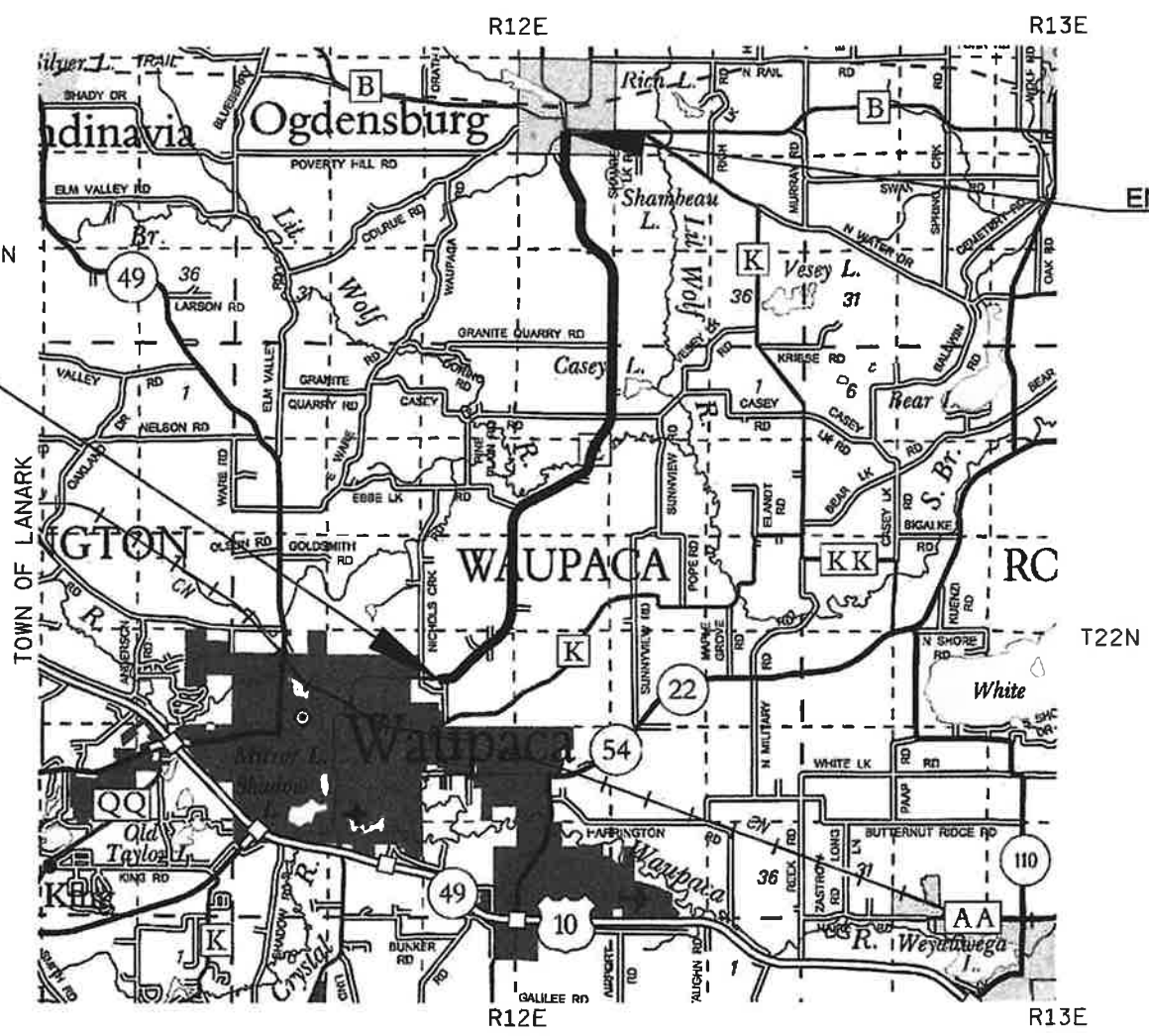


28

DESIGN DESIGNATION

A.A.D.T.	2023	=	1700
A.A.D.T.	2043	=	2300
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	N/A
DESIGN SPEED		=	55 M.P.H.
ESALS		=	N/A

BEGIN PROJECT 6844-01-71
STA 13+50
 X = 544,122.38
 Y = 344,959.25



END PROJECT
STA 371+00

CONVENTIONAL SYMBOLS

<p>PLAN</p> <p>CORPORATE LIMITS </p> <p>PROPERTY LINE </p> <p>LOT LINE </p> <p>LIMITED HIGHWAY EASEMENT </p> <p>EXISTING RIGHT OF WAY </p> <p>PROPOSED OR NEW R/W LINE </p> <p>SLOPE INTERCEPT </p> <p>REFERENCE LINE </p> <p>EXISTING CULVERT </p> <p>PROPOSED CULVERT (Box or Pipe) </p> <p>COMBUSTIBLE FLUIDS </p> <p>MARSH AREA </p> <p>WOODED OR SHRUB AREA </p>	<p>PROFILE</p> <p>GRADE LINE </p> <p>ORIGINAL GROUND </p> <p>MARSH OR ROCK PROFILE (To be noted as such) </p> <p>SPECIAL DITCH </p> <p>GRADE ELEVATION </p> <p>CULVERT (Profile View) </p> <p>UTILITIES</p> <p>ELECTRIC </p> <p>FIBER OPTIC </p> <p>GAS </p> <p>SANITARY SEWER </p> <p>STORM SEWER </p> <p>TELEPHONE </p> <p>WATER </p> <p>UTILITY PEDESTAL </p> <p>POWER POLE </p> <p>TELEPHONE POLE </p>
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SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 6.771 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WAUPACA 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 12A.

ACCEPTED FOR
WAUPACA COUNTY

Date: 7/26/2022
 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

ROBERT & CIA ASSOCIATES, INC.
 ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
 220-662-9641

JORDAN P. RYNISH
 E-48212
 PULASKI
 WIS
 PROFESSIONAL ENGINEER

Date: 7/26/2022

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

PREPARED BY	REL
Surveyor	REL
Designer	JASON SCHAEFFER
Project Manager	NC REGION
Regional Examiner	DAN ERVA
Regional Supervisor	

APPROVED FOR THE DEPARTMENT

Date: 7/26/2022
 (Signature)

E

UTILITIES

ALLIANT ENERGY
MARY MONTGOMERY
200 1ST STREET SE
CEDAR RAPIDS, IA 52401
PHONE: (319) 786-4768
EMAIL: MARYMONTGOMERY@ALLIANTENERGY.COM

SOLARUS
RICK SCHMUTZER
440 EAST GRAND AVENUE
WISCONSIN RAPIDS, WI 54495
PHONE: (715) 421-8193
EMAIL: SCHMUTZ@SOLARUS.NET

TC ENERGY
DONALD COLLINS
2375 N. 2ND DRIVE
STEVENS POINT, WI 54482
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EMAIL: DONALD_COLLINS@TCENERGY.COM

WAUPACA COUNTY IT
BRENT WYLAND
811 HARDING ST
WAUPACA, WI 54981
PHONE: (715) 258-6235
EMAIL: BRENT.WYLAND@ CO.WAUPACA.WI.US

WISCONSIN PUBLIC SERVICE
WENDY CHRIST
700 N. ADAMS STREET
GREEN BAY, WI 54307
PHONE: (715) 258-6235
EMAIL: UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM

COUNTY CONTACT

HIGHWAY CONTACT
CASEY BEYERSDORF
2670 COUNTY ROAD A
WAUPACA, WI 54981
PHONE: (715) 258-7152
EMAIL: CASEY.BEYERSDORF@CO.WAUPACA.WI.US

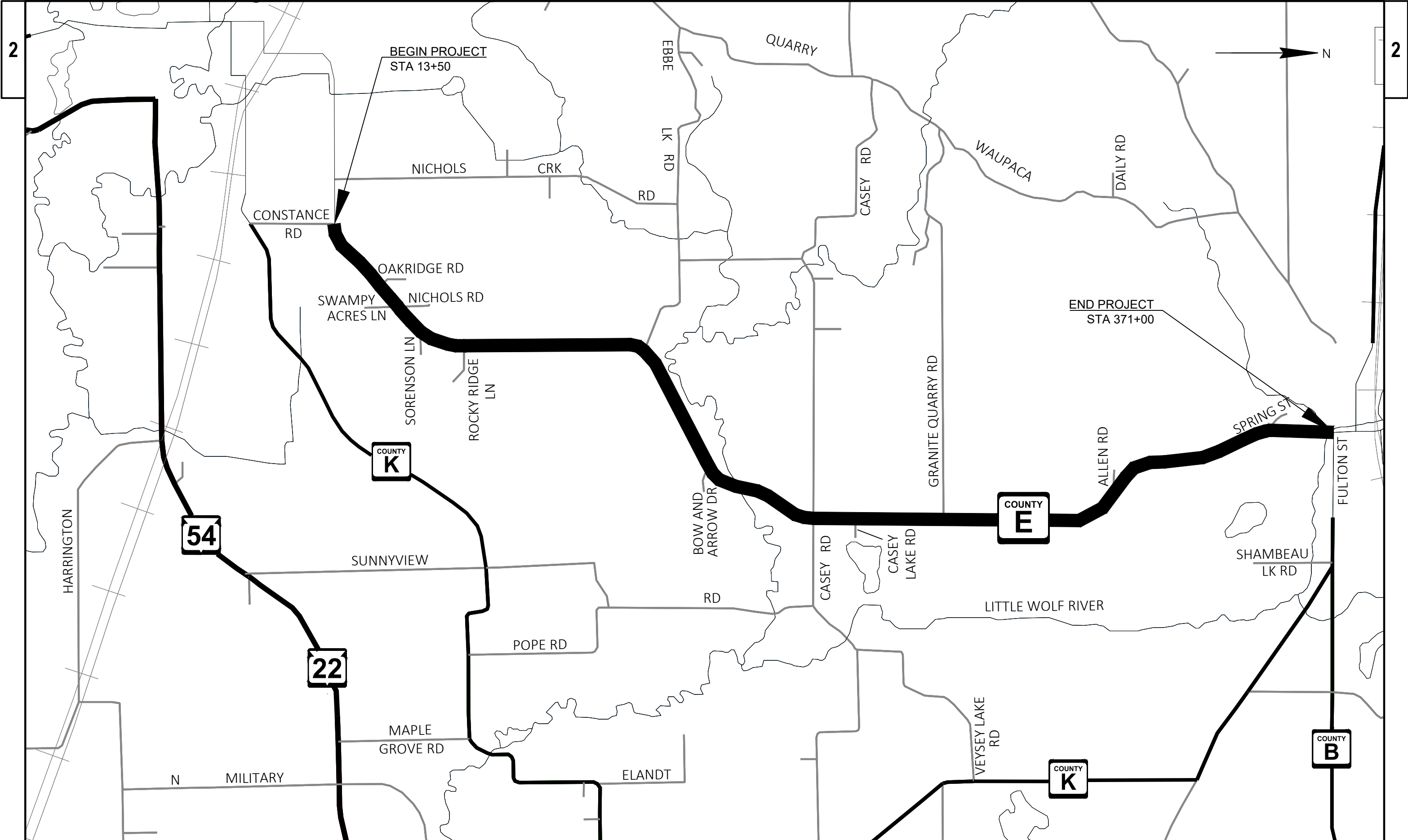
WDNR CONTACT

DNR OSHKOSH SERVICE CENTER
CASEY JONES
625 E COUNTY ROAD Y STE 700
OSHKOSH, WI 54901
PHONE: (715) 213-6571
EMAIL: CASEY.JONES@WISCONSIN.GOV

GENERAL NOTES

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. EXISTING ROAD NAME SIGNS LOCATED ON STOP SIGN POSTS THAT ARE PLANNED TO BE REMOVED SHOULD BE SALVAGED FOR WAUPACA COUNTY, PER CMM315.
3. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
4. ALL DISTURBED AREAS SHALL BE TOPSOILED, FERTILIZED, AND SEEDED AND COVERED WITH MULCH AS NOTED ON THE PLAN OR AS DETERMINED BY THE ENGINEER.
5. EROSION CONTROL ITEMS SHOWN ON THE PLAN ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS AND DIMENSIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PLACED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THEY ARE NO LONGER REQUIRED.
6. PROPERTY LINES AS SHOWN ARE APPROXIMATE.
7. ALL CURB RADII DIMENSIONS ON THE PLAN ARE MEASURED TO FLANGE LINE.





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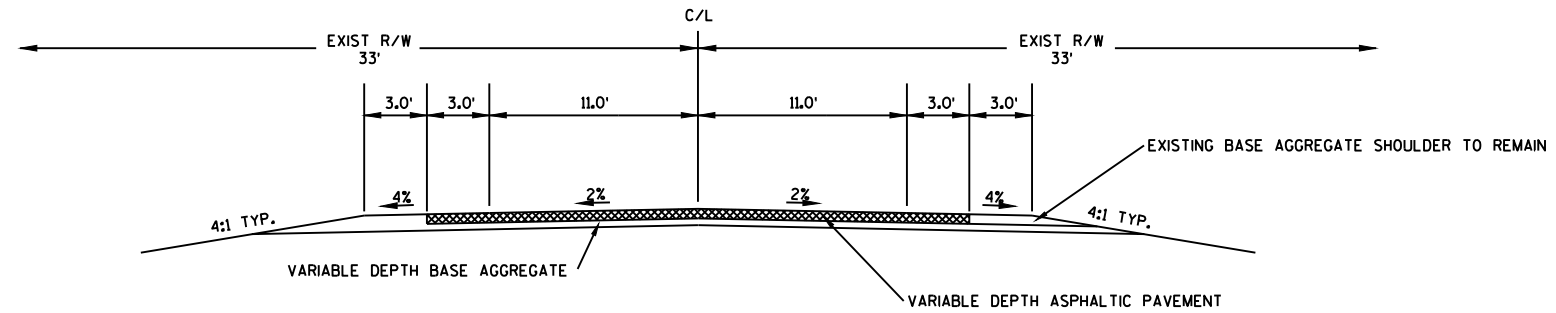
BEGIN PROJECT
STA 13+50

END PROJECT
STA 371+00

PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PROJECT OVERVIEW	SHEET	E
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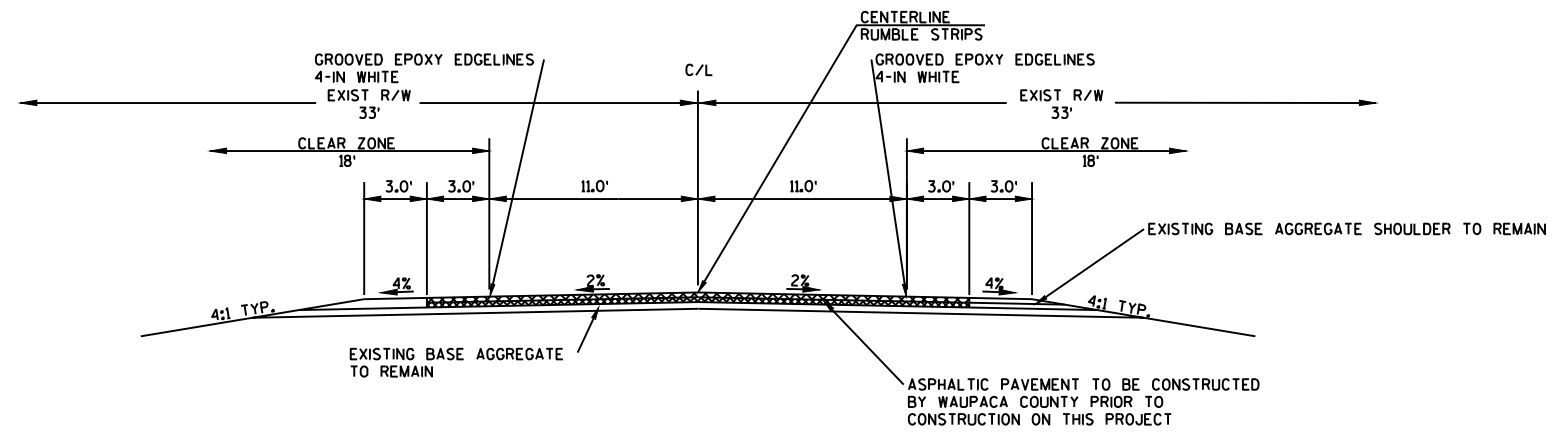
FILE NAME : R:\3900\3985\3985007\DWG\020201_PO.DWG PLOT DATE : 6/2/2022 9:34 AM PLOT BY : ROCHELLE L BURSA PLOT NAME : SHEET SCALE : 1 IN:0.5 MI WISDOT/CADD SHEET 42

LAYOUT NAME - 01



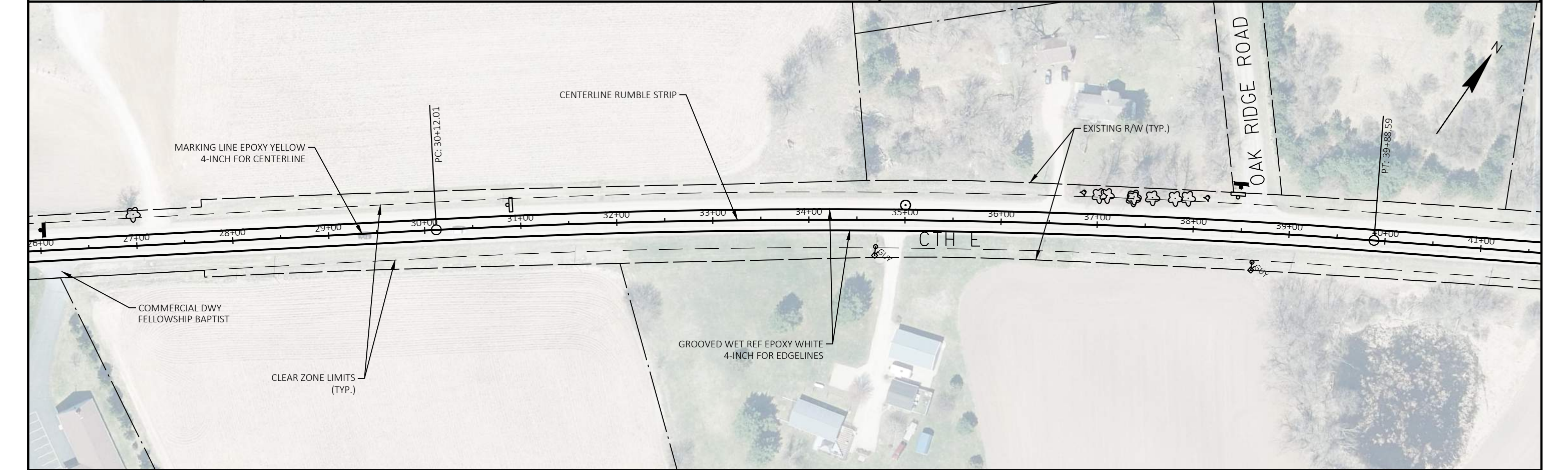
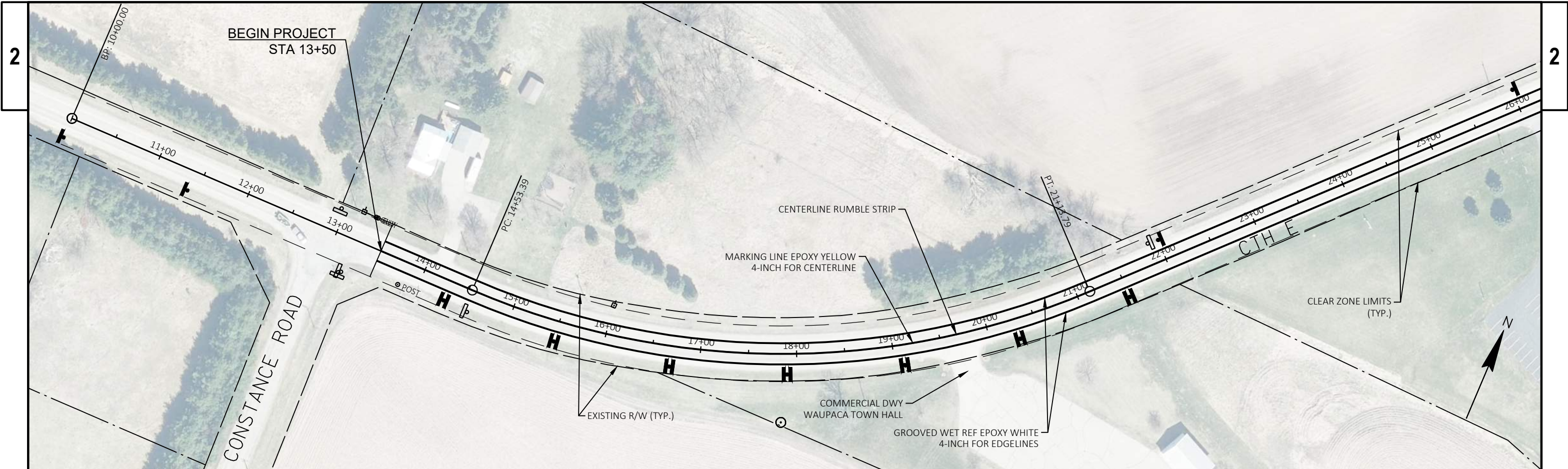
EXISTING TYPICAL SECTION

STA. 13+50 TO STA. 371+00

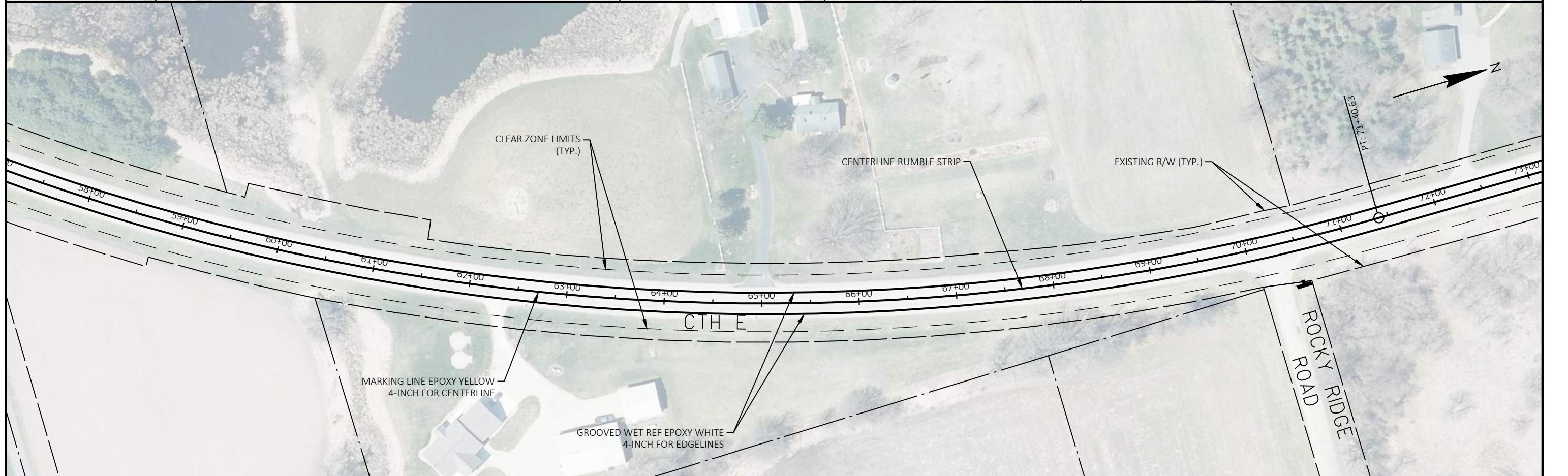
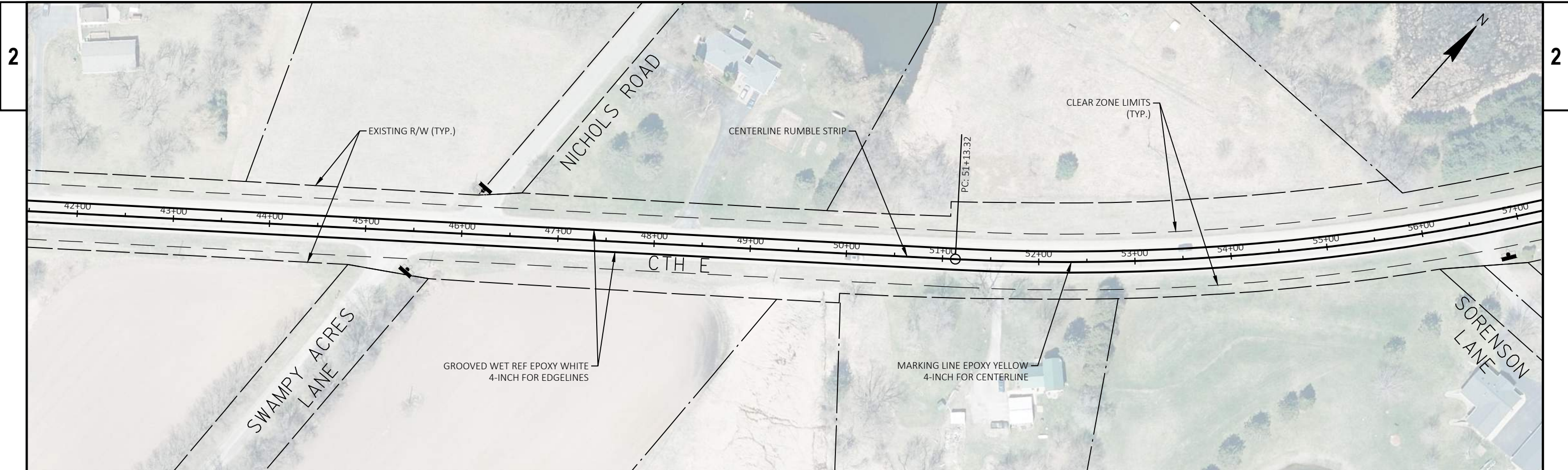


PROPOSED TYPICAL SECTION

STA. 13+50 TO STA. 371+00



PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71

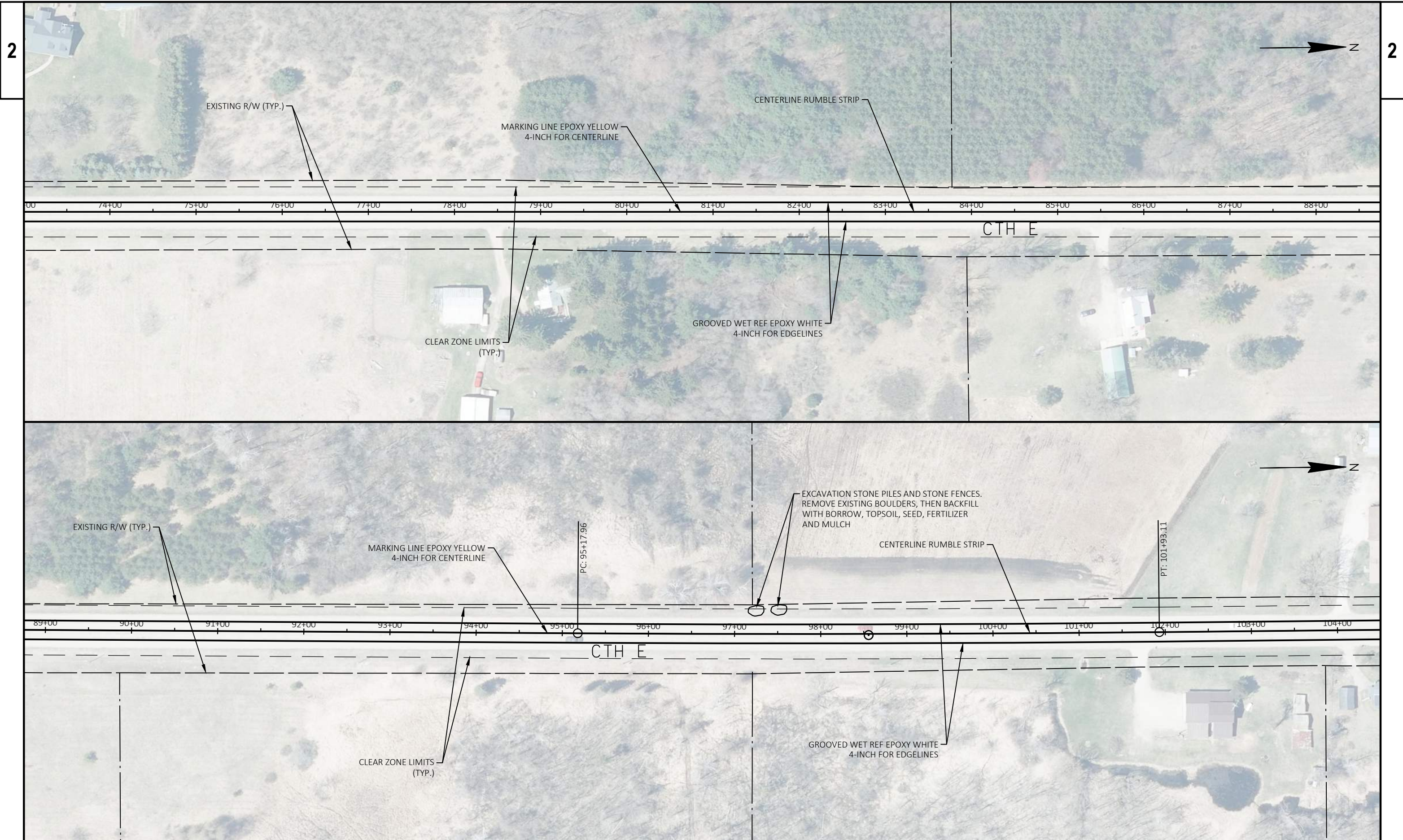
HWY: CTH E

COUNTY: WAUPACA

PAVEMENT MARKING

SHEET

E



PROJECT NO: 6844-01-71

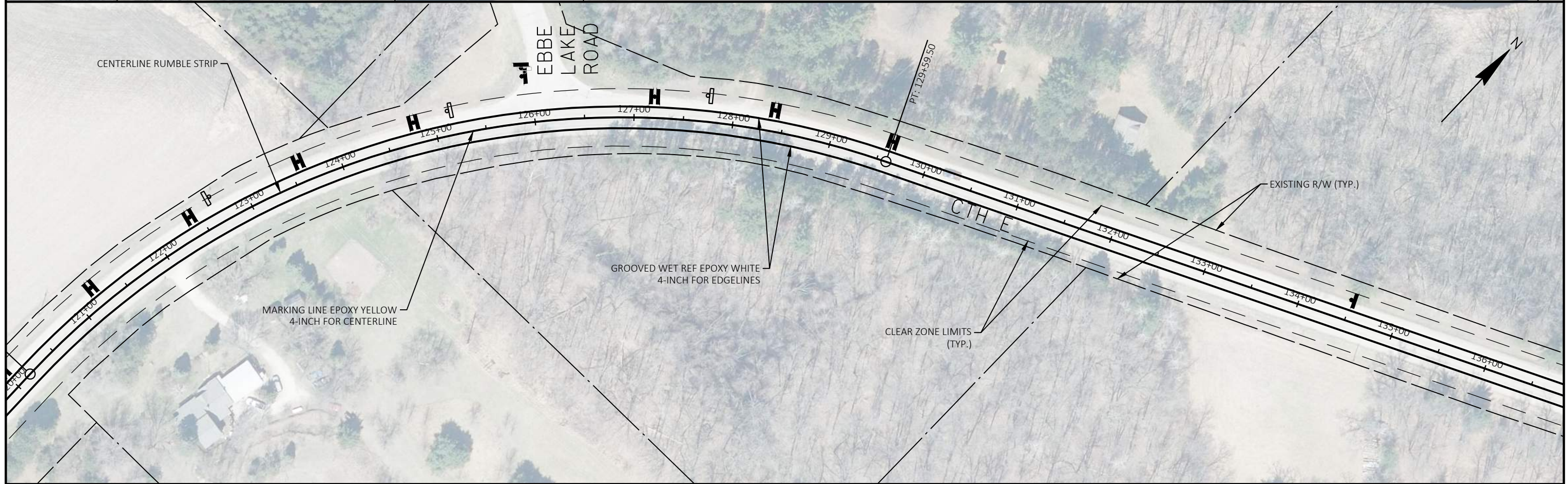
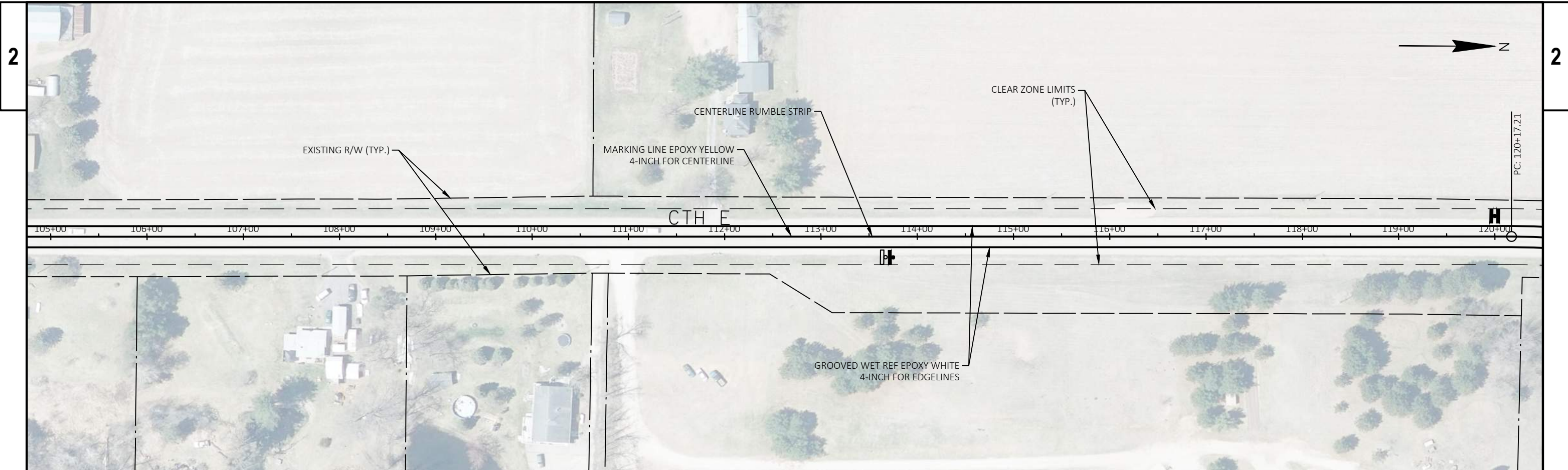
HWY: CTH E

COUNTY: WAUPACA

PAVEMENT MARKING

SHEET

E



PROJECT NO: 6844-01-71

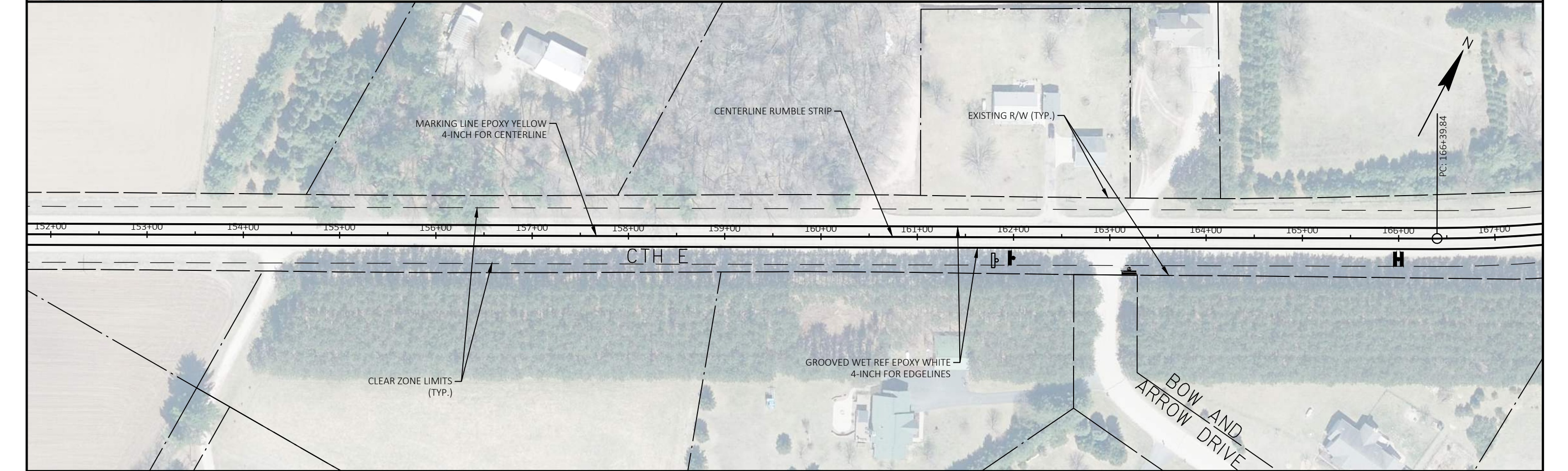
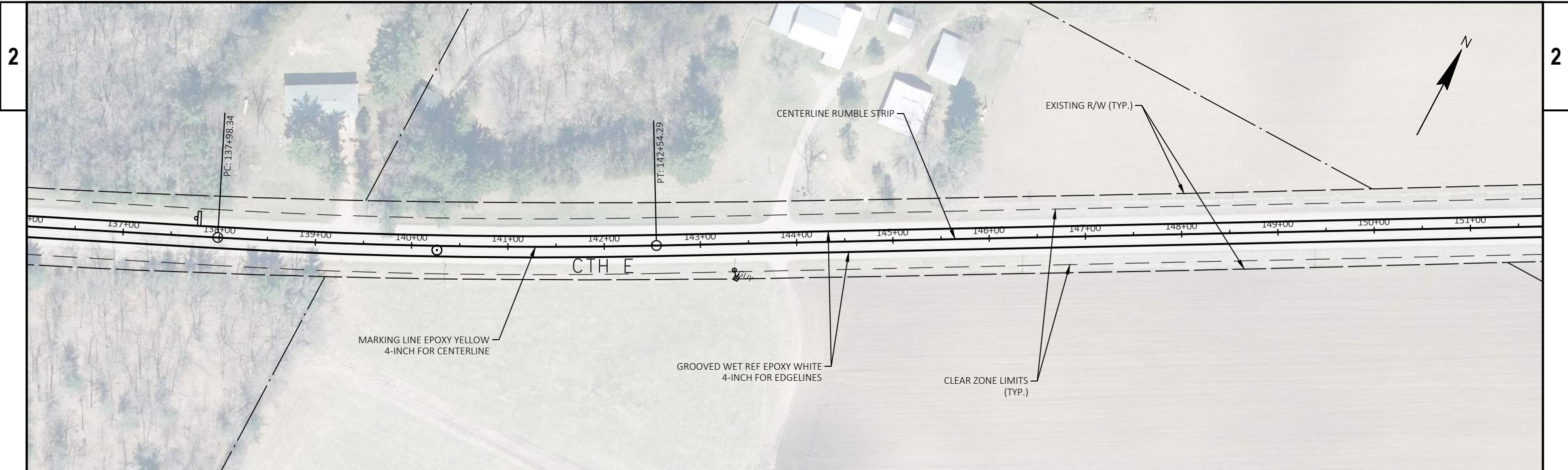
HWY: CTH E

COUNTY: WAUPACA

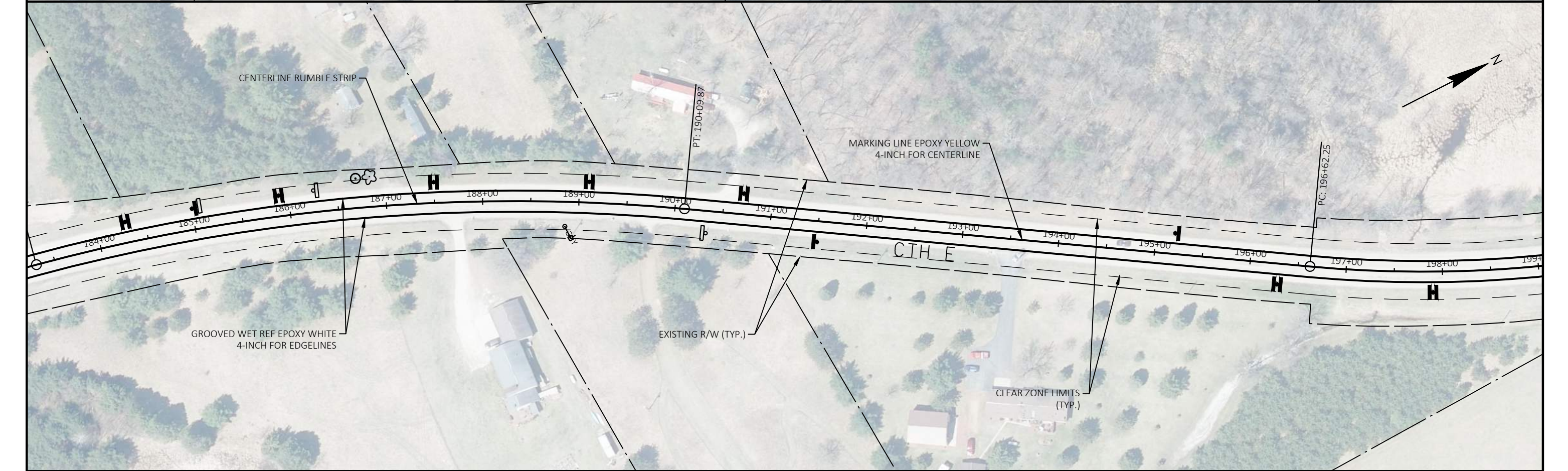
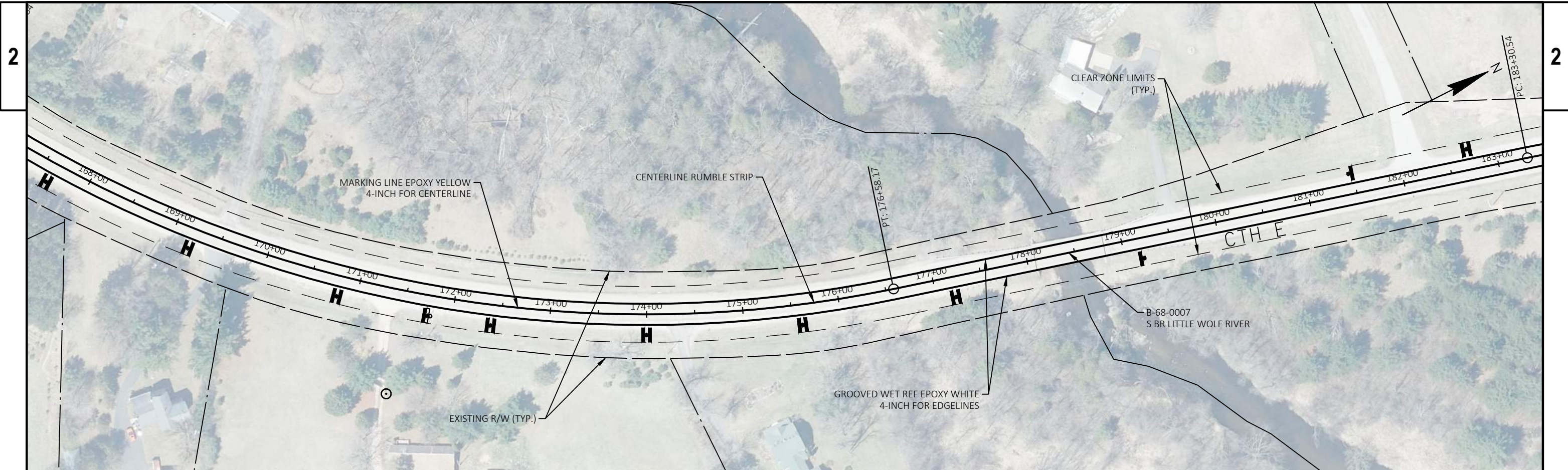
PAVEMENT MARKING

SHEET

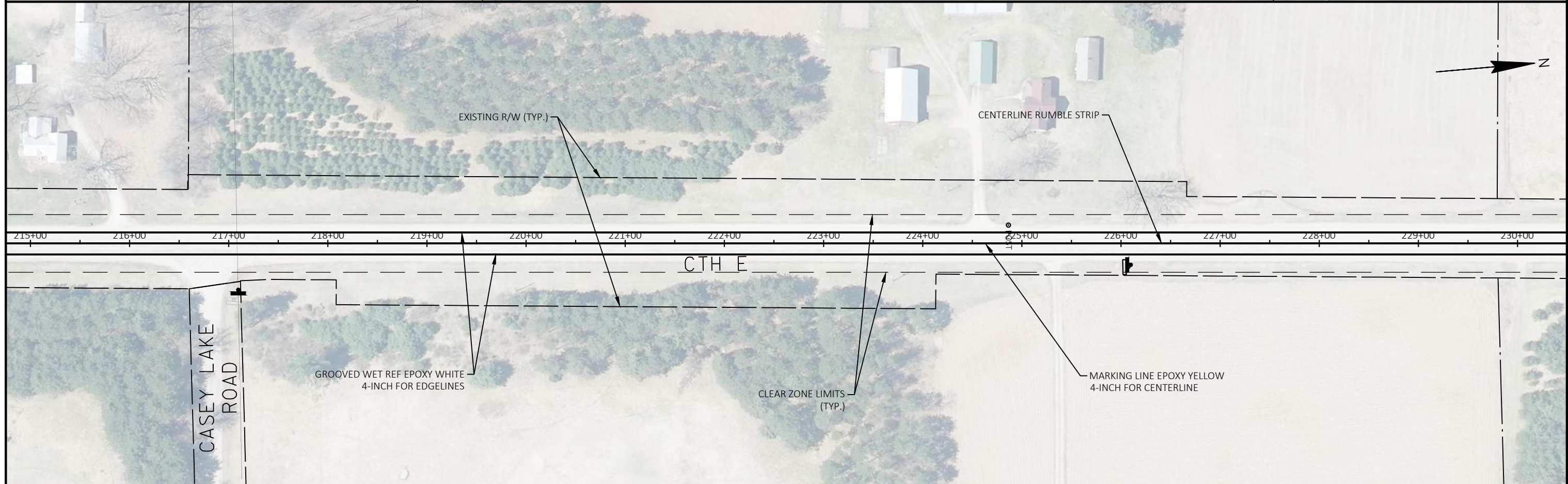
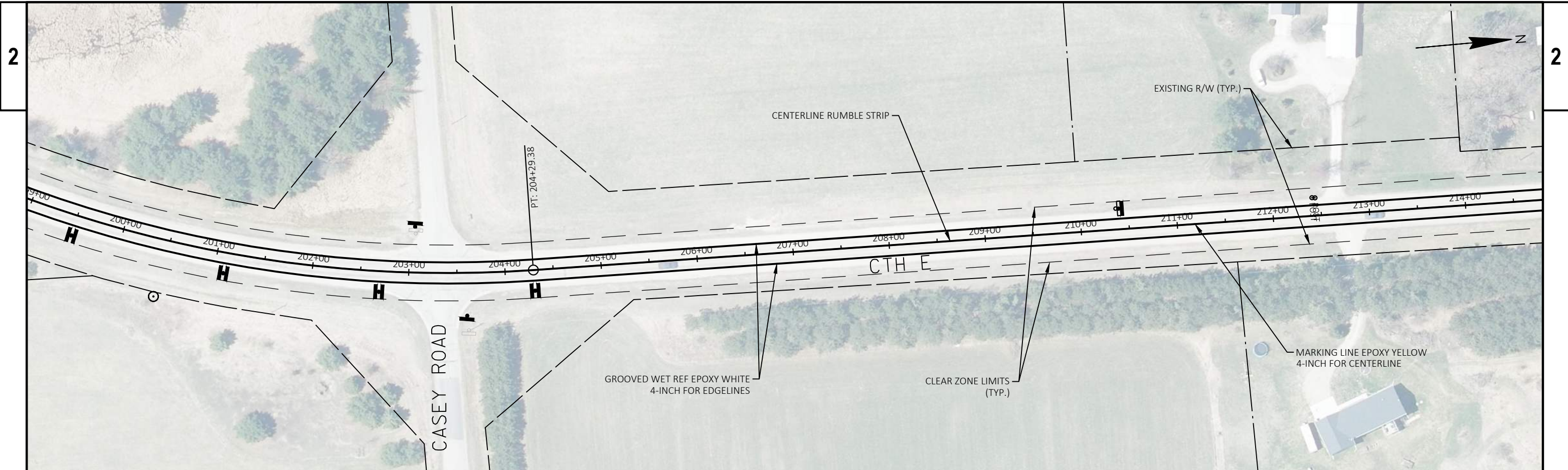
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71

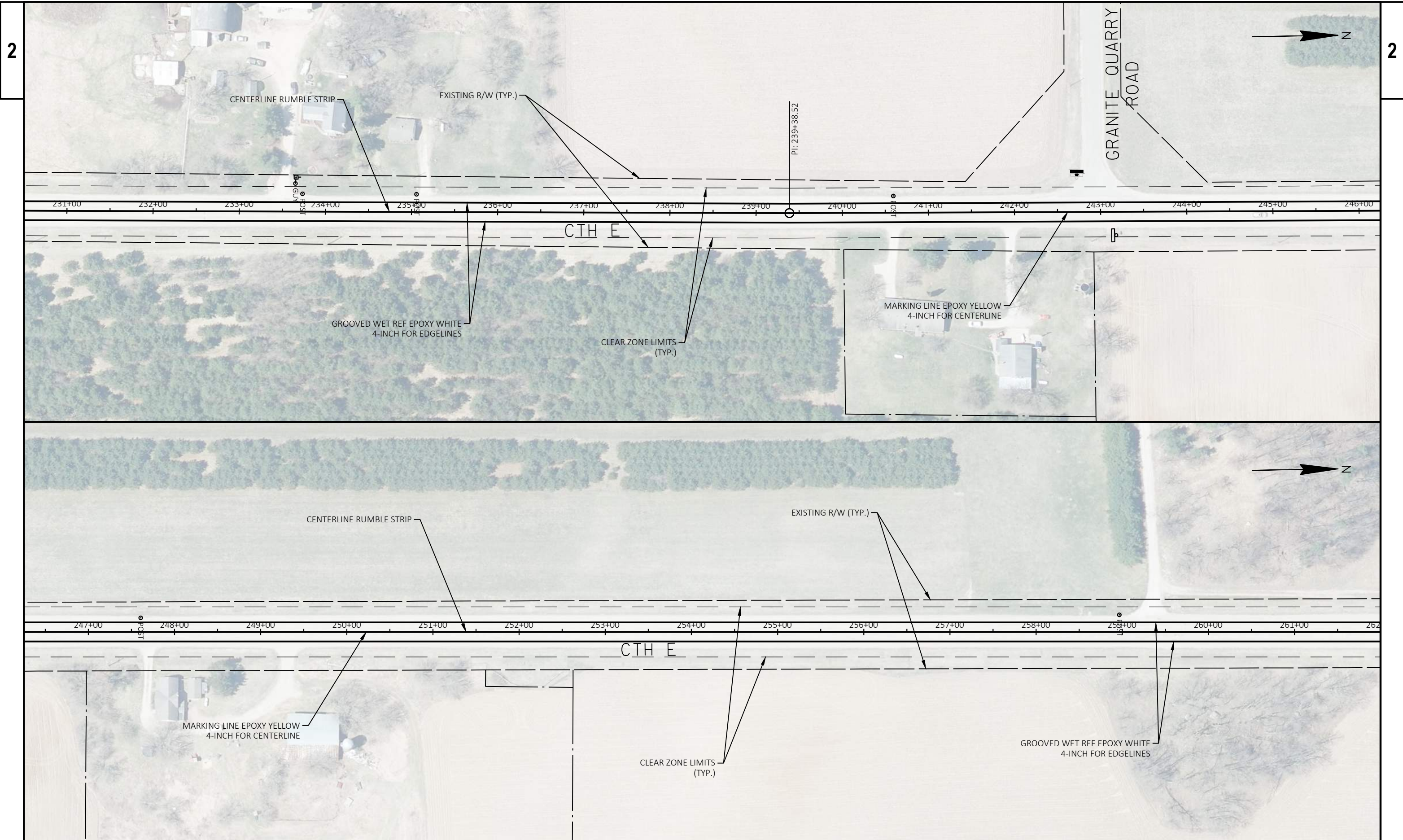
HWY: CTH E

COUNTY: WAUPACA

PAVEMENT MARKING

SHEET

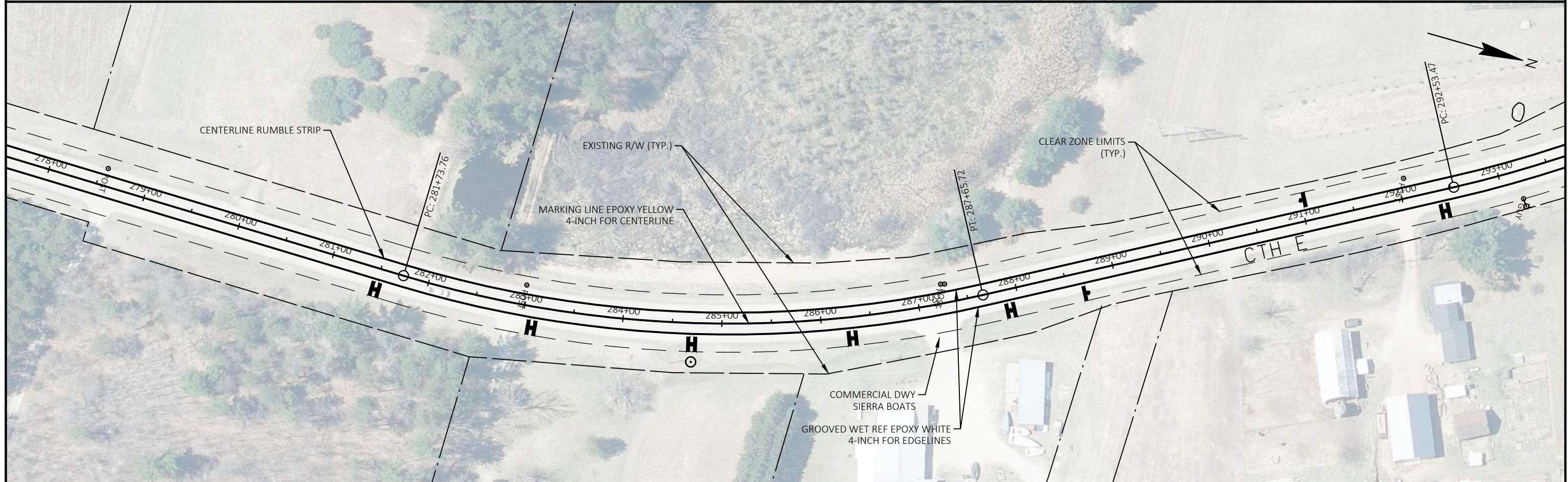
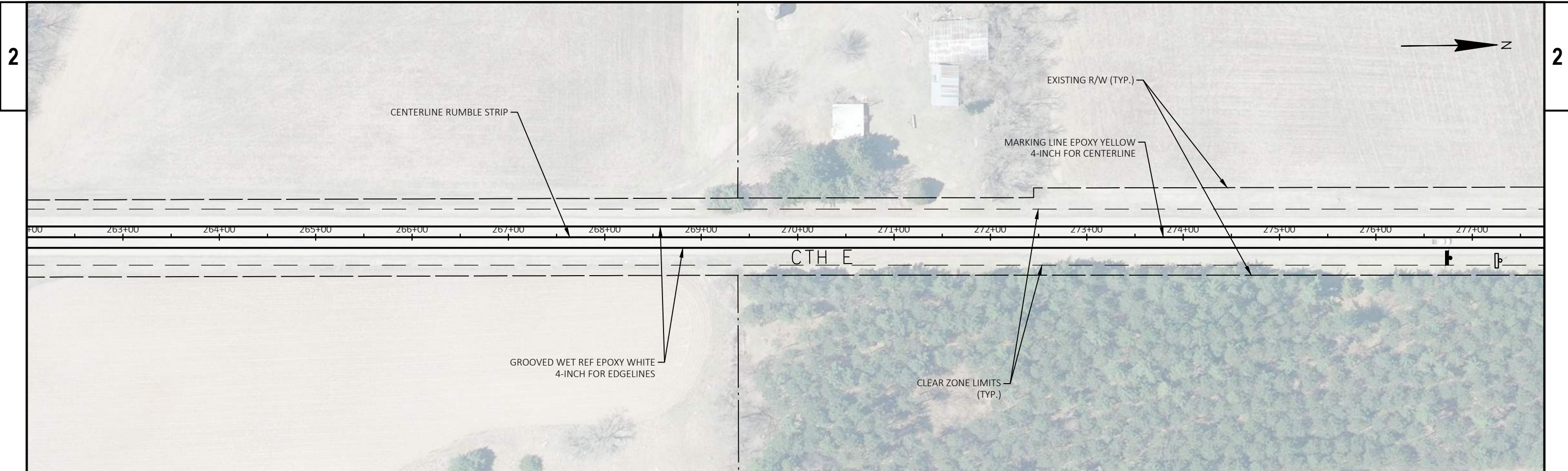
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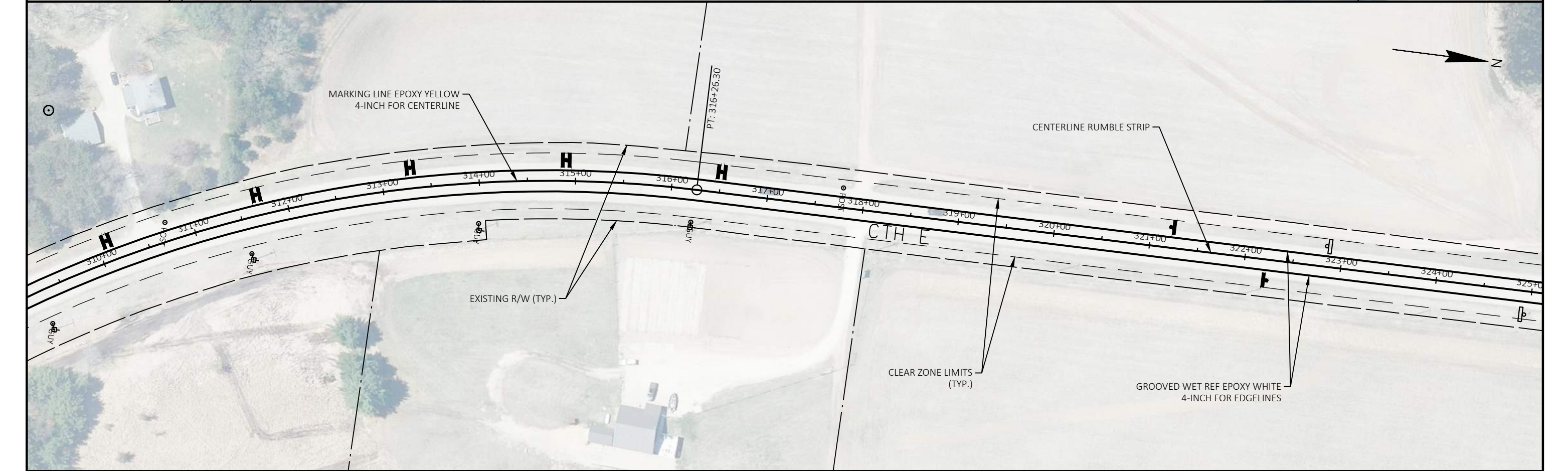
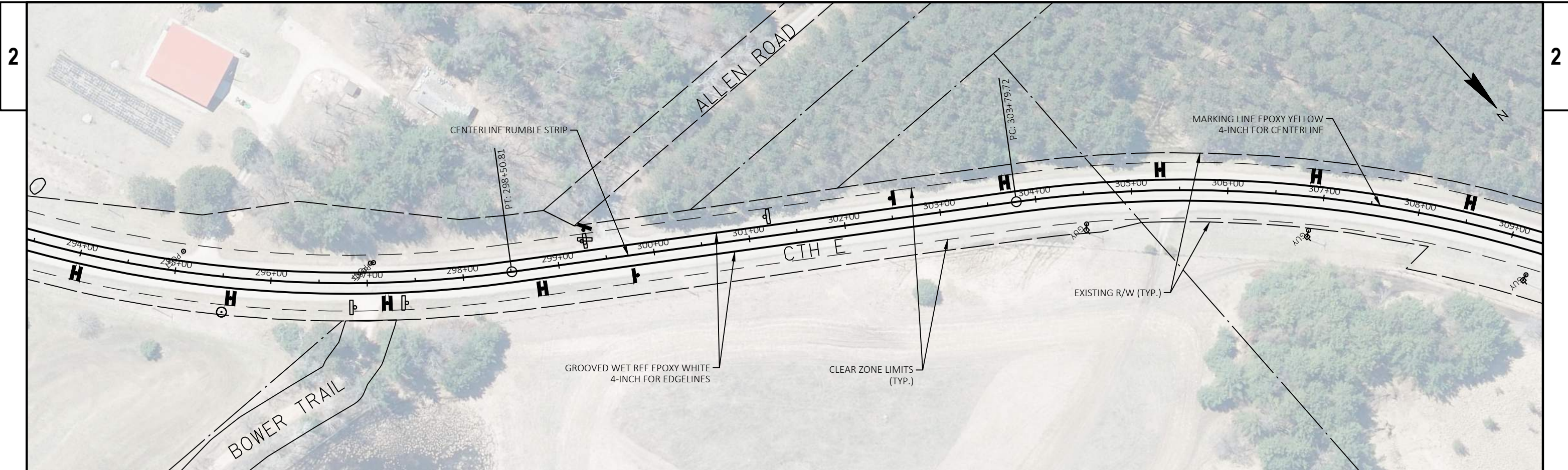
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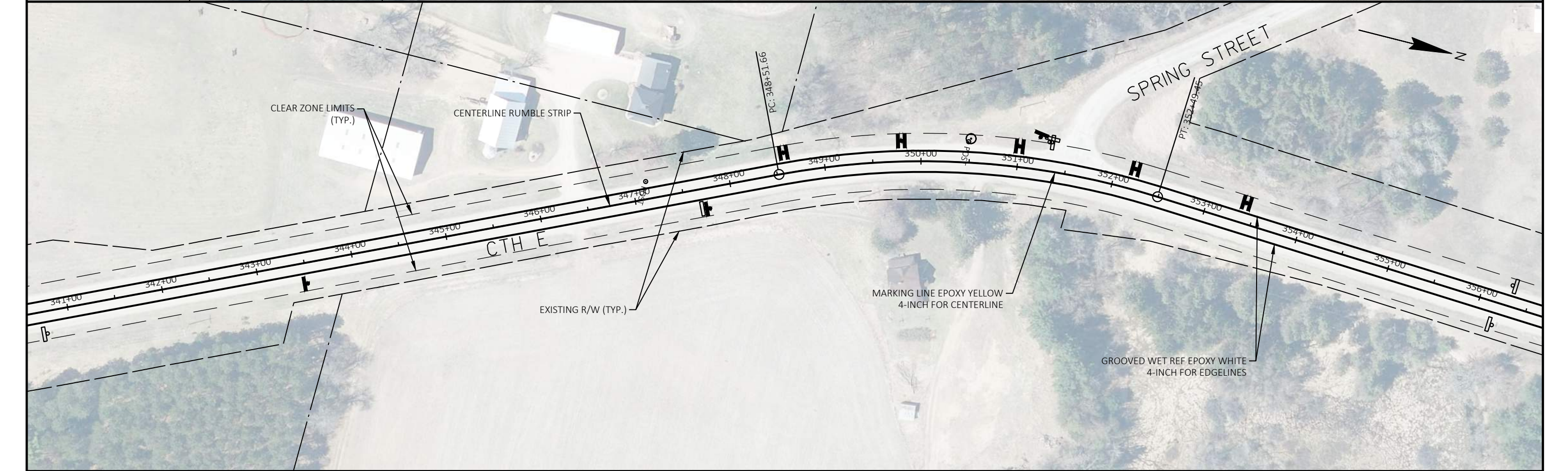
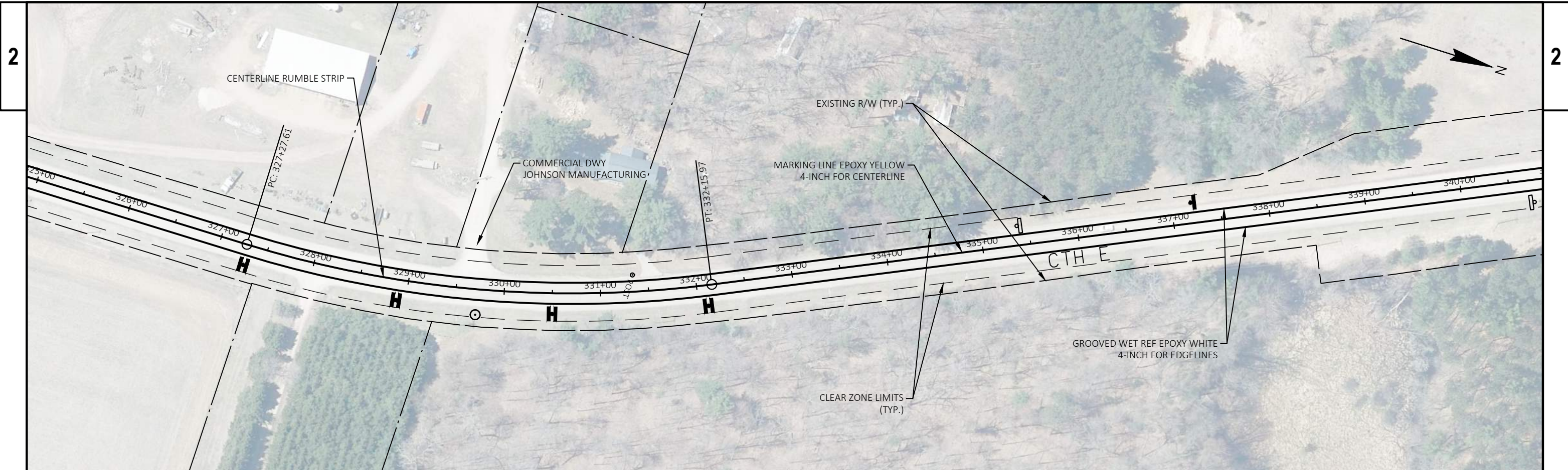
PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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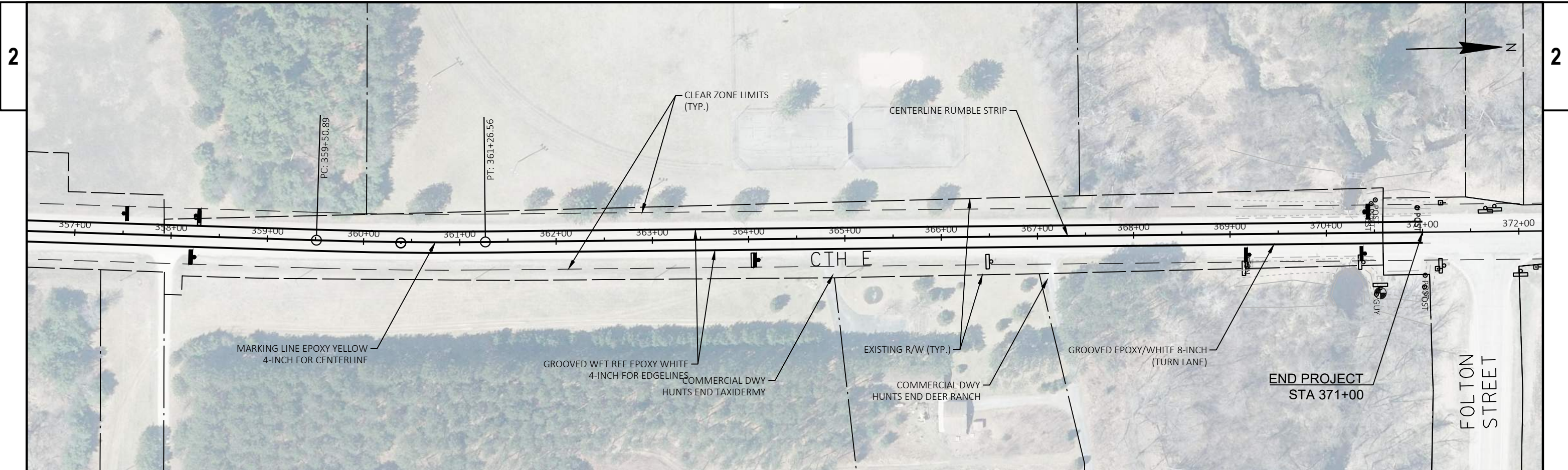
PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PAVEMENT MARKING	SHEET	E
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PROJECT NO: 6844-01-71

HWY: CTH E

COUNTY: WAUPACA

PAVEMENT MARKING

SHEET

E

Estimate Of Quantities

6844-01-71

Line	Item	Item Description	Unit	Total	Qty
0002	205.0300	Excavation Stone Piles and Stone Fences	CY	2.000	2.000
0004	208.0100	Borrow	CY	2.000	2.000
0006	213.0100	Finishing Roadway (project) 01. 6844-01-71	EACH	1.000	1.000
0008	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	30,000.000	30,000.000
0010	619.1000	Mobilization	EACH	1.000	1.000
0012	625.0100	Topsoil	SY	40.000	40.000
0014	627.0200	Mulching	SY	40.000	40.000
0016	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0018	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0020	630.0130	Seeding Mixture No. 30	LB	2.000	2.000
0022	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	66.000	66.000
0024	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	61.000	61.000
0026	637.2230	Signs Type II Reflective F	SF	859.000	859.000
0028	638.2102	Moving Signs Type II	EACH	11.000	11.000
0030	638.2602	Removing Signs Type II	EACH	51.000	51.000
0032	638.3000	Removing Small Sign Supports	EACH	47.000	47.000
0034	643.0300	Traffic Control Drums	DAY	12,750.000	12,750.000
0036	643.0420	Traffic Control Barricades Type III	DAY	170.000	170.000
0038	643.0705	Traffic Control Warning Lights Type A	DAY	340.000	340.000
0040	643.0900	Traffic Control Signs	DAY	207.000	207.000
0042	643.5000	Traffic Control	EACH	1.000	1.000
0044	646.1020	Marking Line Epoxy 4-Inch	LF	49,230.000	49,230.000
0046	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	71,100.000	71,100.000
0048	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	200.000	200.000
0050	648.0100	Locating No-Passing Zones	MI	6.770	6.770
0052	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	150.000	150.000
0054	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

PAVEMENT MARKING

CATEGORY	STA	TO	STA	LOCATION	465.0475	646.1020	646.1040	646.3040	648.0100	REMARKS
					ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL	MARKING LINE EPOXY 4-INCH (YELLOW)	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)	MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE)	LOCATING NO-PASSING ZONES	
					LF	LF	LF	LF	MI	
0010	13+50	-	371+00	MAINLINE	--	--	--	--	6.77	
0010	13+50	-	38+68	LT	--	--	2,490	--	--	CONSTANCE TO OAK RIDGE
0010	13+50	-	38+68	RT	--	--	2,518	--	--	
0010	13+50	-	38+68	CL	1,771	2,543	--	--	--	
0010	38+68	-	46+29	LT	--	--	709	--	--	OAK RIDGE TO SWAMPY ACRES / NICHOLS
0010	38+68	-	46+29	RT	--	--	689	--	--	
0010	38+68	-	46+29	CL	257	508	--	--	--	
0010	46+29	-	56+66	LT	--	--	1,013	--	--	NICHOLS TO SORENSON
0010	46+29	-	56+66	RT	--	--	1,009	--	--	
0010	46+29	-	56+66	CL	637	1,433	--	--	--	
0010	56+66	-	70+28	LT	--	--	1,362	--	--	SORENSON TO ROCKY RIDGE
0010	56+66	-	70+28	RT	--	--	1,301	--	--	
0010	56+66	-	70+28	CL	962	2,724	--	--	--	
0010	70+28	-	126+17	LT	--	--	5,526	--	--	ROCKY RIDGE TO EBBE LAKE
0010	70+28	-	126+17	RT	--	--	5,556	--	--	
0010	70+28	-	126+17	CL	5,189	6,397	--	--	--	
0010	126+17	-	162+98	LT	--	--	3,618	--	--	EBBE LAKE TO BOW AND ARROW
0010	126+17	-	162+98	RT	--	--	3,651	--	--	
0010	126+17	-	162+98	CL	3,281	3,911	--	--	--	
0010	162+98	-	203+32	LT	--	--	3,984	--	--	BOW AND ARROW TO CASEY
0010	162+98	-	203+32	RT	--	--	3,941	--	--	
0010	162+98	-	203+32	CL	3,513	7,661	--	--	--	
0010	203+32	-	216+79	LT	--	--	1,297	--	--	CASEY TO CASEY LAKE
0010	203+32	-	216+79	RT	--	--	1,245	--	--	
0010	203+32	-	216+79	CL	947	1,474	--	--	--	
0010	216+79	-	242+92	LT	--	--	2,562	--	--	CASEY LAKE TO GRANITE QUARRY
0010	216+79	-	242+92	RT	--	--	2,574	--	--	
0010	216+79	-	242+92	CL	2,213	2,647	--	--	--	
0010	242+92	-	299+57	LT	--	--	5,589	--	--	GRANITE QUARRY TO ALLEN
0010	242+92	-	299+57	RT	--	--	5,665	--	--	
0010	242+92	-	299+57	CL	5,065	7,042	--	--	--	
0010	299+57	-	351+59	LT	--	--	5,131	--	--	ALLEN TO SPRING
0010	299+57	-	351+59	RT	--	--	5,202	--	--	
0010	299+57	-	351+59	CL	4,602	10,374	--	--	--	
0010	351+59	-	371+00	LT	--	--	1,895	--	--	SPRING TO FULTON
0010	351+59	-	371+00	RT	--	--	1,941	200	--	
0010	351+59	-	371+00	CL	1,211	1,883	--	--	--	
0010	UNDISTRIBUTED				352	633	632	--	--	
TOTALS					30,000	49,230	71,100	200	6.77	

PERMANENT SIGNING

CATEGORY	SIGN NO.	APPROX STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE		634.0612		634.0616	637.0230	638.2102	638.2602	638.3000	REMARKS
						WIDTH	HEIGHT	POST	POST	SIGNS	MOVING	REMOVING	REMOVING		
						INCH	X INCH	WOOD 4"x6"x12'	WOOD 4"x6"x16'	REFLECTIVE F SF	SIGNS TYPE II EACH	SIGNS TYPE II EACH	SMALL SIGN SUPPORTS EACH		
0010	1-1	11+40	RT	W1-2L	CURVE LEFT	36	36	--	1	9	--	--	--		
0010	1-2	11+40	RT	W13-1P	4S MPH	18	18	--	--	2.2S	--	--	--	MOUNT WITH SIGN 1-1	
0010	1-3	10+00	RT	--	ADOPT A HWY	--	--	--	1	--	1	--	1		
0010	1-4	14+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-5	14+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-4	
0010	1-6	15+50	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-7	15+50	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-6	
0010	1-8	16+70	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-9	16+70	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-8	
0010	1-10	17+90	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-11	17+90	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-10	
0010	1-12	19+10	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-13	19+10	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-12	
0010	1-14	20+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-15	20+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-14	
0010	1-16	21+50	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	1-17	21+50	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 1-16	
0010	1-18	22+00	LT	W2-2	INTERSECTION	36	36	--	1	9	--	1	1		
0010	1-19	26+00	LT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--		
0010	1-20	26+00	LT	W13-1P	4S MPH	18	18	--	--	2.2S	--	--	--	MOUNT WITH 1-19	
0010	1-21	31+00	LT	--	CURVE RIGHT	--	--	--	--	--	--	1	1		
0010	1-22	38+50	LT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	2-1	46+20	LT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	2-2	45+40	RT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	2-3	56+8S	RT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	2-4	70+50	RT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	4-1	113+7S	RT	W1-10R	CURVE RIGHT	36	36	--	1	9	--	1	1		
0010	4-2	113+7S	RT	W13-1P	40 MPH	18	18	--	--	2.2S	--	--	--	MOUNT WITH SIGN 4-1	
0010	4-3	12S+90	LT	R1-1	STOP	36	36	1	1	9	1	1	1	MOUNT ROAD NAME SIGN ON SEPARATE POST	
0010	4-4	120+00	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-5	120+00	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 4-4	
0010	4-6	121+20	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-7	121+20	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 4-6	
0010	4-8	122+40	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-9	122+40	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 4-8	
0010	4-10	123+60	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		

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3

PERMANENT SIGNING

CATEGORY	SIGN NO.	APPROX STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE		634.0612		634.0616	637.0230	638.2102	638.2602	638.3000	REMARKS
						WIDTH	HEIGHT	POST WOOD	POST WOOD	SIGNS	MOVING	REMOVING	REMOVING		
						INCH	X INCH	4"x6"x12'	4"x6"x16'	TYPE II	SIGNS	SIGNS	SMALL SIGN		
0010	4-11	123+60	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 4-10
0010	4-12	124+80	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-13	124+80	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 4-12
0010	4-14	127+20	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-15	127+20	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 4-14
0010	4-16	128+40	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-17	128+40	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 4-16
0010	4-18	129+60	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	4-19	129+60	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 4-18
0010	4-20	134+50	LT	W1-10L	CURVE LEFT	36	36	--	1	9	--	--	--		
0010	4-21	134+50	LT	W13-1P	40 MPH	18	18	--	--	2.25	--	--	--		MOUNT WITH 4-20
0010	4-22	122+60	LT	W1-6	RIGHT ARROW	48	24	--	--	--	--	1	1		
0010	4-23	127+75	LT	W1-6	LEFT ARROW	48	24	--	--	--	--	1	1		
0010	5-1	137+75	LT	--	CURVE LEFT	--	--	--	--	--	--	1	1		
0010	5-2	137+75	LT	--	40 MPH	--	--	--	--	--	--	1	--		
0010	5-3	162+00	RT	W1-2L	CURVE LEFT	36	36	--	1	9	--	1	1		
0010	5-4	163+20	RT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	5-5	166+00	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	5-6	166+00	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 5-5
0010	6-1	167+60	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-2	167+60	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-1
0010	6-3	169+20	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-4	169+20	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-3
0010	6-5	170+80	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-6	170+80	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-5
0010	6-7	172+40	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-8	172+40	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-7
0010	6-9	174+00	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-10	174+00	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-9
0010	6-11	175+60	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-12	175+60	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-11
0010	6-13	177+20	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-14	177+20	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-13
0010	6-15	171+75	RT	W5-2	NARROW BRIDGE	36	36	--	1	9	--	1	1		
0010	6-16	181+45	LT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--		
0010	6-17	179+20	RT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--		
0010	6-18	182+70	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-19	182+70	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-18
0010	6-20	184+30	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-21	184+30	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-20
0010	6-22	185+90	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-23	185+90	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-22
0010	6-24	187+50	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-25	187+50	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-24
0010	6-26	189+10	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-27	189+10	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-26
0010	6-28	190+70	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	6-29	190+70	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--		MOUNT WITH 6-28

PROJECT NO: 6844-01-71

HWY: CTH E

COUNTY: WAUPACA

MISCELLANEOUS QUANTITIES

SHEET

E

PERMANENT SIGNING

CATEGORY	SIGN NO.	APPROX STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE		634.0612		634.0616		637.0230		638.2102		638.2602		638.3000		REMARKS
						WIDTH	HEIGHT	POST	POST	SIGNS	MOVING	REMOVING	REMOVING	WOOD	WOOD	TYPE II	SIGNS	SIGNS	SMALL SIGN	
						INCH	X INCH	4"x6"x12'	4"x6"x16'	REFLECTIVE F	TYPE II	TYPE II	TYPE II	SUPPORTS	EACH	EACH	EACH	EACH	EACH	
0010	6-30	185+00	LT	W5-2	NARROW BRIDGE	36	36	--	1	9	--	1	1							
0010	6-31	186+25	LT	--	CURVE RIGHT	--	--	--	--	--	--	--	1	1						
0010	6-32	190+25	RT	--	CURVE LEFT	--	--	--	--	--	--	--	1	1						
0010	6-33	191+50	RT	W1-2L	CURVE LEFT	36	36	--	1	9	--	--	--	--						
0010	6-34	195+20	LT	W1-2L	CURVE LEFT	36	36	--	1	9	--	--	--	--						
0010	6-35	196+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	6-36	196+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 6-35
0010	6-37	197+90	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	6-38	197+90	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 6-37
0010	7-1	199+50	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	7-2	199+50	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 7-1
0010	7-3	201+10	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	7-4	201+10	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 7-3
0010	7-5	202+70	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	7-6	202+70	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 7-5
0010	7-7	204+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	7-8	204+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 7-7
0010	7-9	203+05	LT	R1-1	STOP	36	36	--	1	9	--	1	1							
0010	7-10	203+60	RT	R1-1	STOP	36	36	--	1	9	--	1	1							
0010	7-11	210+40	LT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	1	1							
0010	7-12	217+10	RT	R1-1	STOP	36	36	--	1	9	--	1	1							
0010	7-13	226+10	RT	W11-5	TRACTOR	36	36	--	1	9	--	1	1							
0010	8-1	242+80	LT	R1-1	STOP	36	36	--	1	9	--	1	1							
0010	9-1	276+72	RT	W1-2L	CURVE LEFT	36	36	--	1	9	--	1	1							
0010	9-2	281+50	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-3	281+50	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-2
0010	9-4	283+10	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-5	283+10	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-4
0010	9-6	284+70	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-7	284+70	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-6
0010	9-8	286+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-9	286+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-8
0010	9-10	287+90	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-11	287+90	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-10
0010	9-12	288+70	RT	W1-2L	CURVE LEFT	36	36	--	1	9	--	--	--	--						
0010	9-13	291+00	LT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--	--						
0010	9-14	292+40	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	9-15	292+40	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 9-14
0010	10-1	294+00	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--	--						
0010	10-2	294+00	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	--						MOUNT WITH 10-1

PERMANENT SIGNING

CATEGORY	SIGN NO.	APPROX STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE		634.0612		634.0616	637.0230	638.2102	638.2602	638.3000	REMARKS
						WIDTH	HEIGHT	POST WOOD	POST WOOD	SIGNS	MOVING	REMOVING	REMOVING		
						INCH	X INCH	4"x6"x12' EACH	4"x6"x16' EACH	TYPE II REFLECTIVE SF	TYPE II SIGNS EACH	TYPE II SIGNS EACH	SMALL SIGN SUPPORTS EACH		
0010	10-3	295+60	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-4	295+60	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-3	
0010	10-5	297+20	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-6	297+20	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-5	
0010	10-7	298+80	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-8	298+80	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-7	
0010	10-9	297+45	RT	--	CURVE RIGHT	--	--	--	--	--	--	1	1		
0010	10-10	299+30	LT	R1-1	STOP	36	36	--	1	9	--	1	1		
0010	10-11	299+80	RT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--		
0010	10-12	302+50	LT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	1	1		
0010	10-13	303+70	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-14	303+70	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-13	
0010	10-15	305+30	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-16	305+30	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-15	
0010	10-17	306+90	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-18	306+90	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-17	
0010	10-19	308+50	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-20	308+50	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-19	
0010	10-21	310+10	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-22	310+10	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-21	
0010	10-23	311+70	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-24	311+70	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-23	
0010	10-25	313+30	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-26	313+30	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-25	
0010	10-27	314+90	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-28	314+90	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-27	
0010	10-29	316+50	LT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	10-30	316+50	LT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 10-29	
0010	10-31	321+20	LT	W1-2L	CURVE LEFT	36	36	--	1	9	--	--	--		
0010	10-32	322+90	LT	--	CURVE LEFT	--	--	--	--	--	--	1	1		
0010	10-33	322+25	RT	W1-2R	CURVE RIGHT	36	36	--	1	9	--	--	--		
0010	10-34	324+90	RT	--	CURVE RIGHT	--	--	--	--	--	--	1	1		
0010	11-1	327+30	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	11-2	327+30	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 11-1	
0010	11-3	328+90	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	11-4	328+90	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 11-3	
0010	11-5	330+50	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		
0010	11-6	330+50	RT	W1-8	CHEVRON	18	24	--	--	3	--	--	--	MOUNT WITH 11-5	
0010	11-7	332+10	RT	W1-8	CHEVRON	18	24	1	--	3	--	--	--		

PERMANENT SIGNING

CATEGORY	SIGN NO.	APPROX STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE		634.0612		634.0616	637.0230	638.2102	638.2602	638.3000	REMARKS
						WIDTH	HEIGHT	POST	POST	SIGNS	MOVING	REMOVING	REMOVING		
						INCH	X INCH	WOOD	WOOD	TYPE II	SIGNS	SIGNS	SMALL SIGN		
						4"x6"x12'	4"x6"x16'	REFLECTIVE F	TYPE II	TYPE II	TYPE II	SUPPORTS			
0010	11-8	332+10	RT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-7
0010	11-9	335+40	LT	--	CURVE RIGHT	--	--	--	--		--	--	1	1	
0010	11-10	337+20	LT	W1-2R	CURVE RIGHT	36	36	--	1		9	--	--	--	
0010	11-11	340+80	RT	--	CURVE RIGHT	--	--	--	--		--	--	1	1	
0010	11-12	343+50	RT	W1-10R	CURV RT INTER	36	36	--	1		9	--	--	--	
0010	11-13	343+50	RT	W13-1P	45 MPH	18	18	--	--		2.25	--	--	--	MOUNT WITH 11-12
0010	11-14	347+75	RT	W3-5	35 MPH AHEAD	36	36	--	1		9	--	1	1	
0010	11-15	348+60	LT	W1-8	CHEVRON	18	24	1	--		3	--	--	--	
0010	11-16	348+60	LT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-15
0010	11-17	349+80	LT	W1-8	CHEVRON	18	24	1	--		3	--	--	--	
0010	11-18	349+80	LT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-17
0010	11-19	351+00	LT	W1-8	CHEVRON	18	24	1	--		3	--	--	--	
0010	11-20	351+00	LT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-19
0010	11-21	352+20	LT	W1-8	CHEVRON	18	24	1	--		3	--	--	--	
0010	11-22	352+20	LT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-21
0010	11-23	353+40	LT	W1-8	CHEVRON	18	24	1	--		3	--	--	--	
0010	11-24	353+40	LT	W1-8	CHEVRON	18	24	--	--		3	--	--	--	MOUNT WITH 11-23
0010	11-25	351+20	LT	R1-1	STOP	36	36	--	1		9	--	1	1	
0010	11-26	356+40	LT	--	CURVE LEFT	--	--	--	--		--	--	1	1	
0010	12-1	357+50	LT	W1-10L	CURV LT INTER	36	36	--	1		9	--	--	--	
0010	12-2	357+50	LT	W13-1P	45 MPH	18	18	--	--		2.25	--	--	--	MOUNT WITH 12-1
0010	12-3	358+25	LT	R2-1	5SPEED LIMIT 55	24	30	--	--		5	--	1	1	
0010	12-4	358+25	RT	R2-1	5SPEED LIMIT 35	24	30	--	--		5	--	1	1	
0010	12-5	364+10	RT	M2-1	JCT	21	15	--	1		2.19	--	1	1	
0010	12-6	364+10	RT	M1-5a	COUNTY B	24	24	--	--		4	--	--	--	MOUNT WITH 12-5
0010	12-7	364+10	RT	M1-5a	COUNTY K	24	24	--	--		4	--	--	--	MOUNT WITH 12-5
0010	12-8	369+20	RT	M1-5a	COUNTYE	24	24	--	2		4	--	1	1	MOVE MANAWA ARROW SIGN, MOUNT WITH 12-8
0010	12-9	369+20	RT	M6-3	UP ARROW	21	15	--	--		2.19	--	1	--	MOUNT WITH 12-8
0010	12-10	369+20	RT	M1-5a	COUNTY B	24	24	--	--		4	--	1	1	MOUNT WITH 12-8
0010	12-11	369+20	RT	M6-6	UP/RT ARROW	21	15	--	--		2.19	--	1	--	MOUNT WITH 12-8
0010	12-12	369+20	RT	M1-5a	COUNTY K	24	24	--	--		4	--	1	--	MOUNT WITH 12-8
0010	12-13	369+20	RT	M6-6	UP/RT ARROW	21	15	--	--		2.19	--	1	--	MOUNT WITH 12-8
0010	12-14	370+40	LT	R2-1	5SPEED LIMIT 35	24	30	--	1		5	--	1	1	
0010	12-15	369+20	RT	R8-3a	NO PARKING	24	30	--	1		5	--	1	1	
0010	12-16	370+40	RT	R2-1	5SPEED LIMIT 25	24	30	--	1		5	--	1	1	
0010	UNDISTRIBUTED		LT & RT	W14-3	NO PASSING ZONE	48	36	--	12		66	--	--	--	LOCATE NO PASS ZONES
0010	UNDISTRIBUTED		--	--	--	--	--	2	4		5.74	9	3	3	
TOTALS								66	61	859	11	51	47		

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	PROJECT DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS	
			EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS
0010	6844-01-71	15	750	11,250	10	150	20	300	12	180
0010	UNDISTRIBUTED			1,500		20		40		27
TOTALS				12,750		170		340		207

ROCK EXCAVATION AND RESTORATION

CATEGORY	STATION	LOCATION	205.0300	208.0100	625.0100	627.0200	630.0130
			EXCAVATION STONE PILES AND STONE FENCES CY	BORROW CY	TOPSOIL SY	MULCHING SY	SEEDING MIXTURE NO. 30 LB
0010	97+25	LT	1	1	20	20	0.5
0010	97+50	LT	1	1	20	20	0.5
0010	PROJECT	SIGN POSTS	--	--	--	--	1
TOTALS			2	2	40	40	2

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	6844-01-71	1
TOTAL		1

TRAFFIC CONTROL

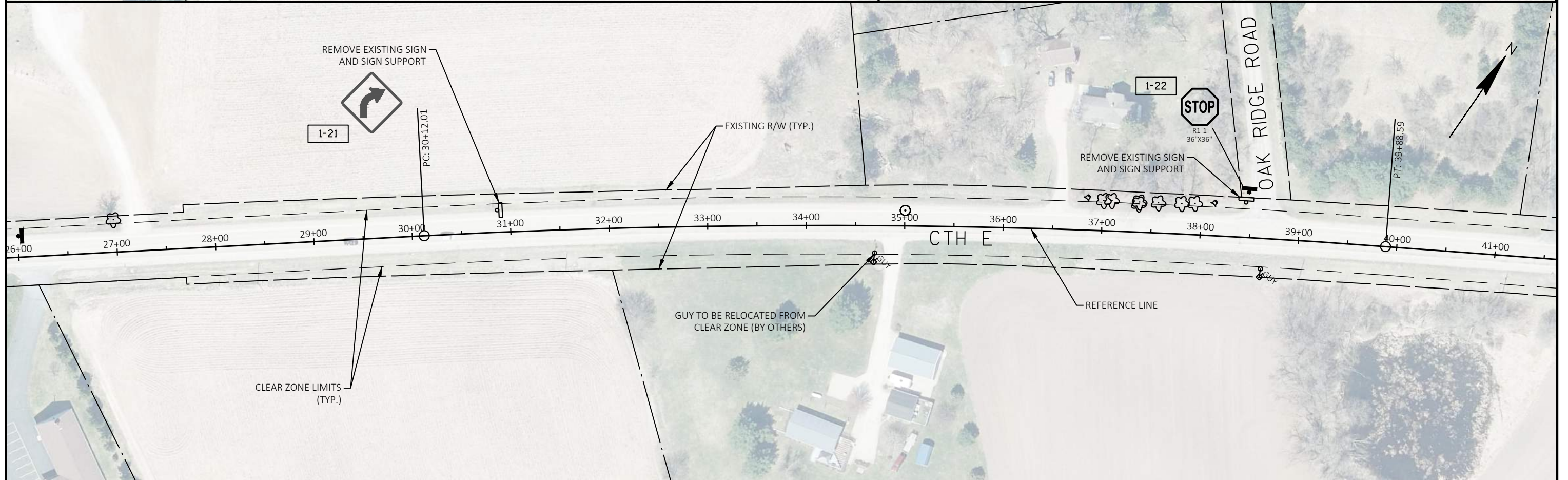
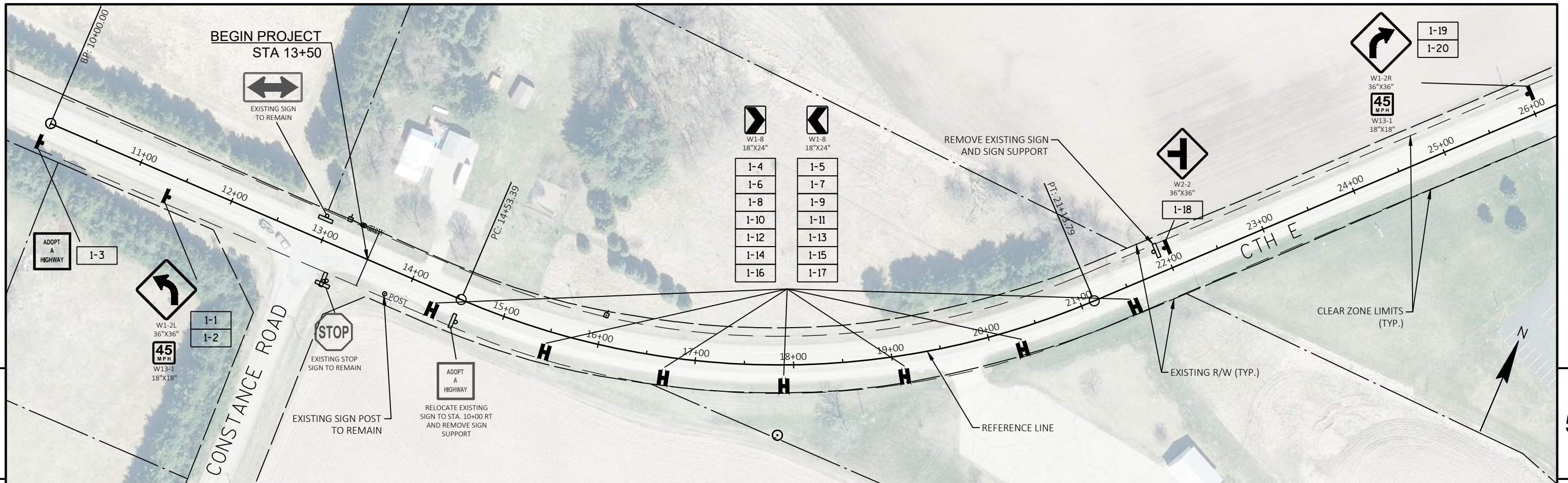
CATEGORY	LOCATION	643.5000 EACH
0010	PROJECT 6844-01-71	1
TOTAL		1

MOBILIZATION

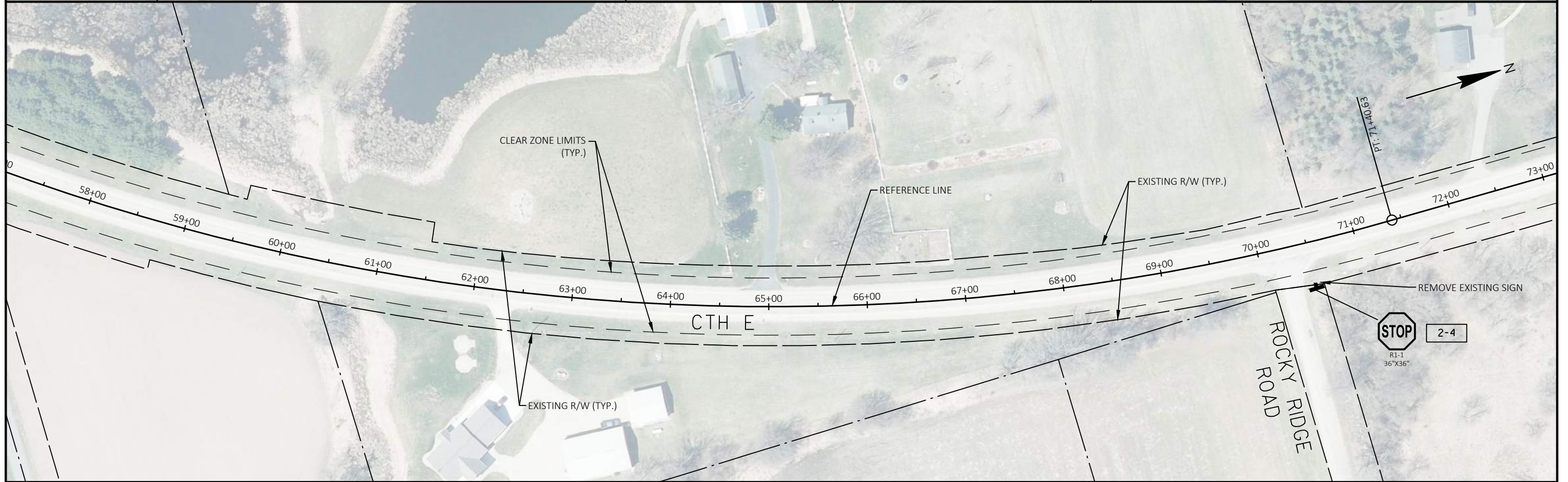
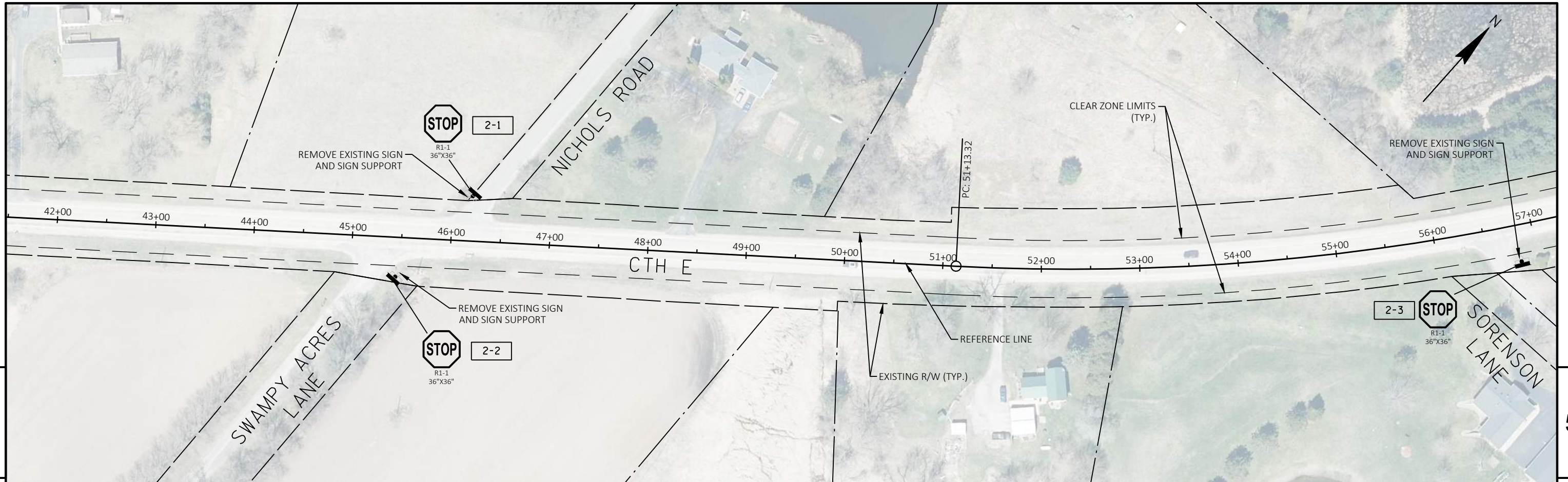
CATEGORY	PROJECT	619.1000 EACH
0010	6844-01-71	1
TOTAL		1

EROSION CONTROL MOBILIZATIONS

CATEGORY	PROJECT	628.1905	628.1910
		EROSION CONTROL EACH	EROSION EMERGENCY EROSION CONTROL EACH
0010	6844-01-71	2	2
TOTALS		2	2



PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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PROJECT NO: 6844-01-71

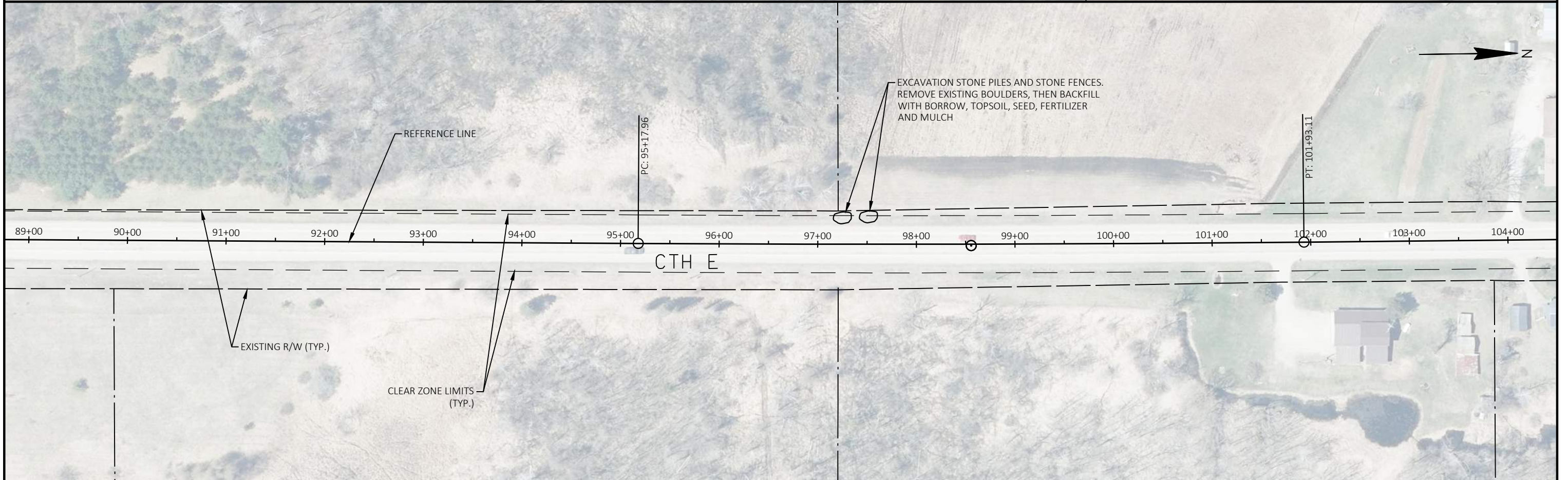
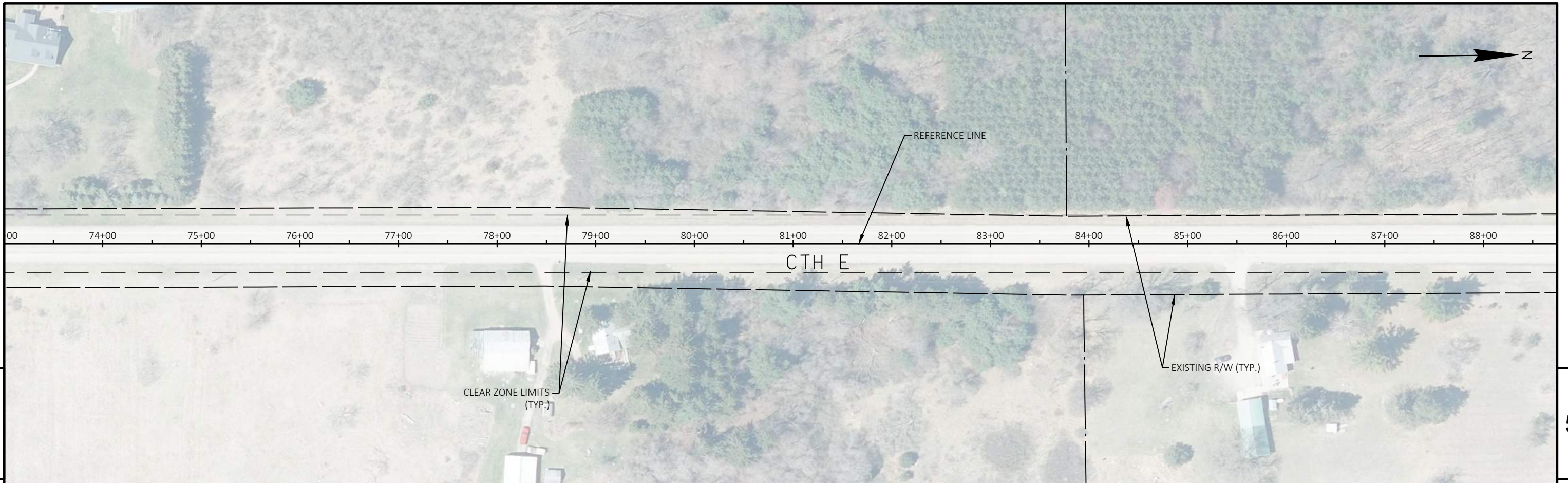
HWY: CTH E

COUNTY: WAUPACA

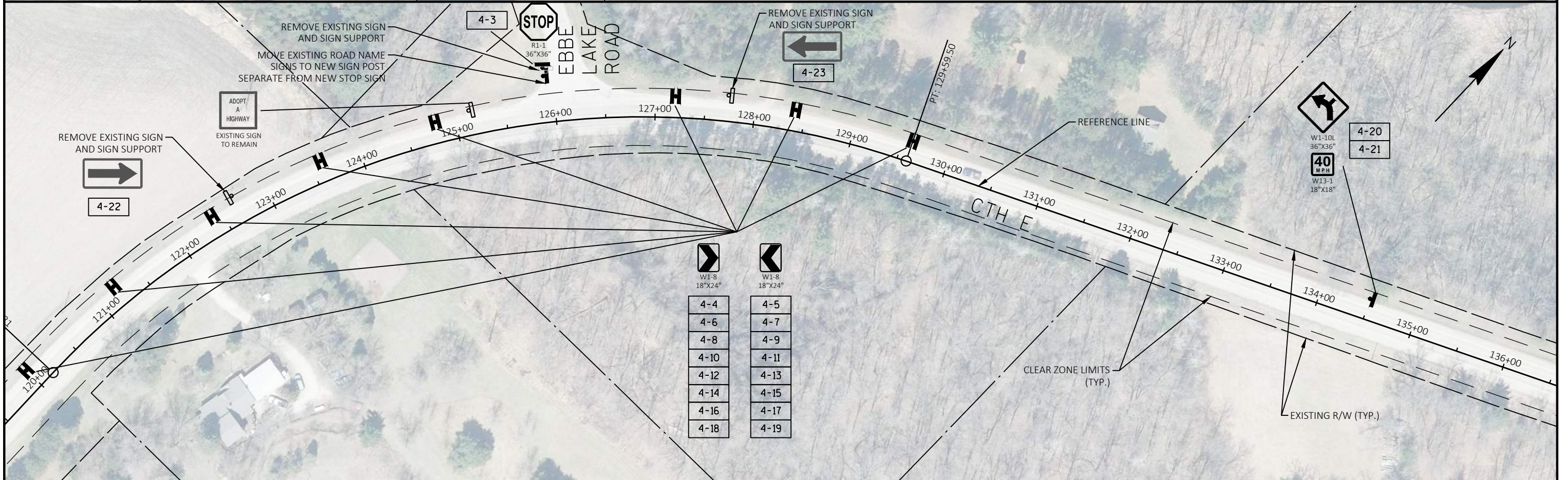
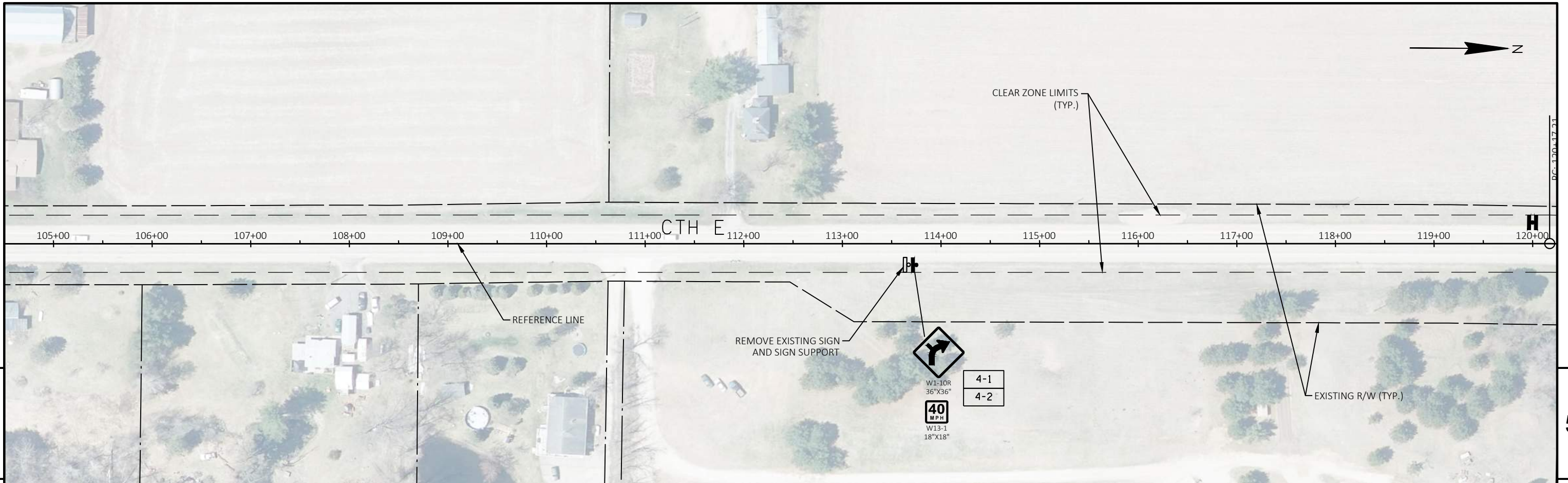
PLAN

SHEET

5



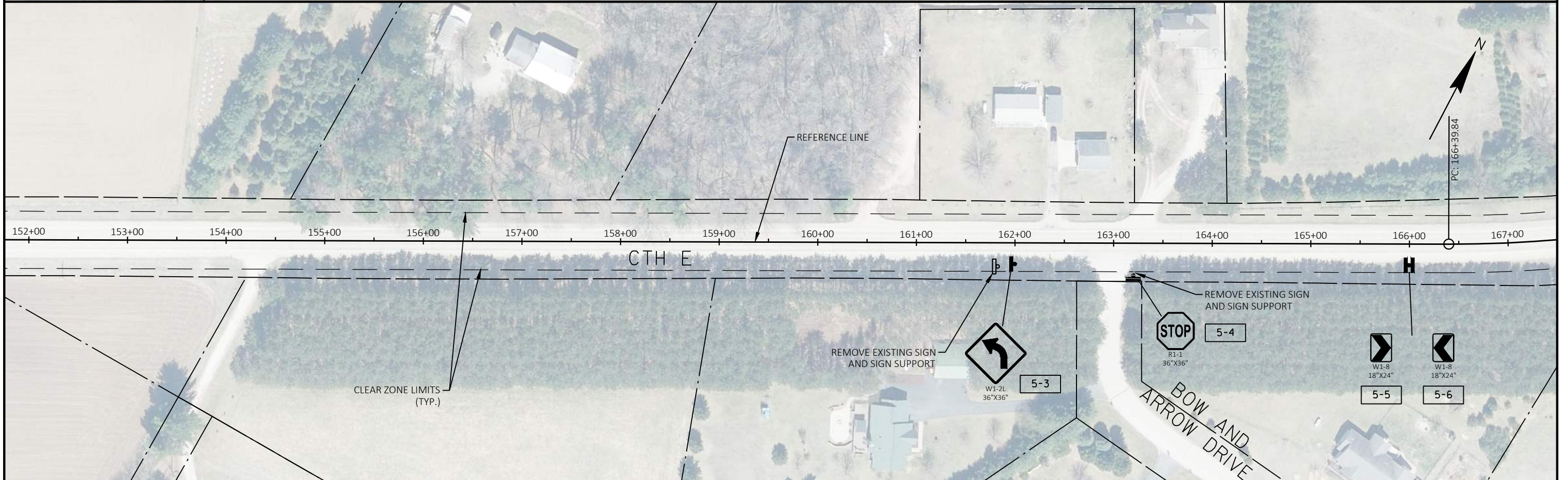
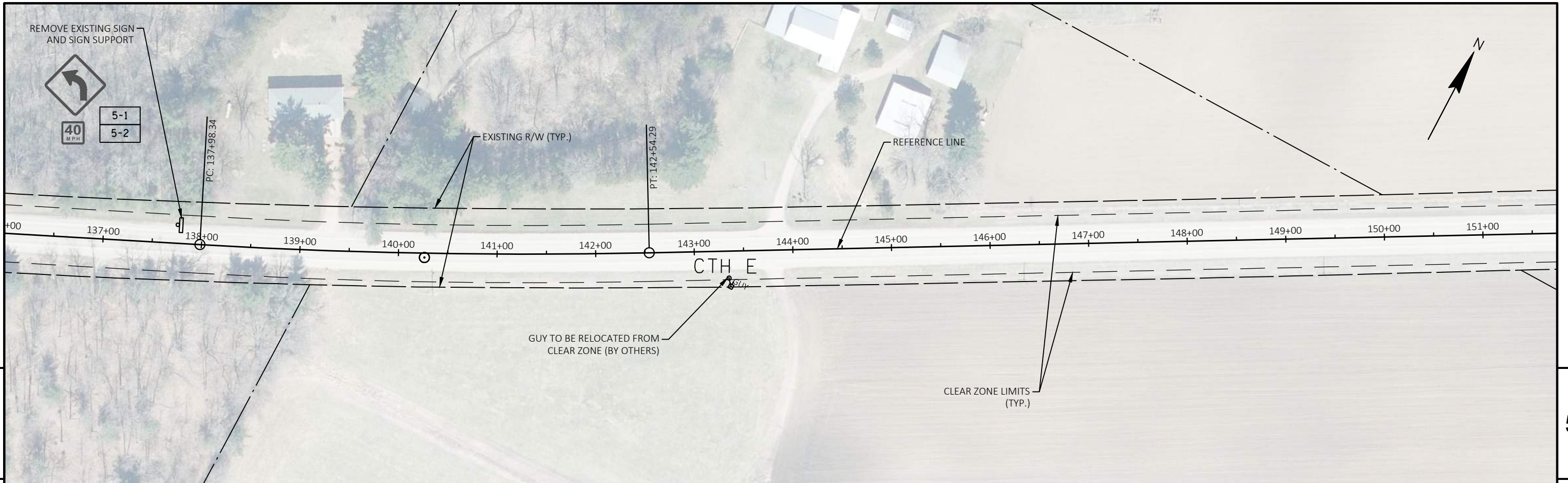
PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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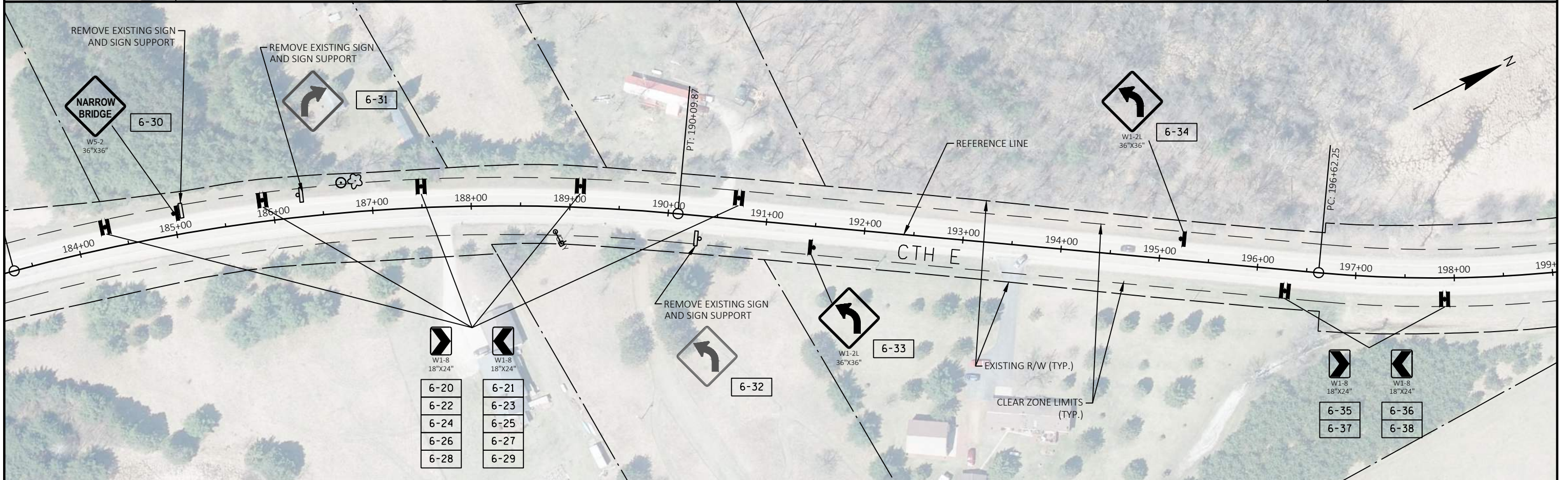
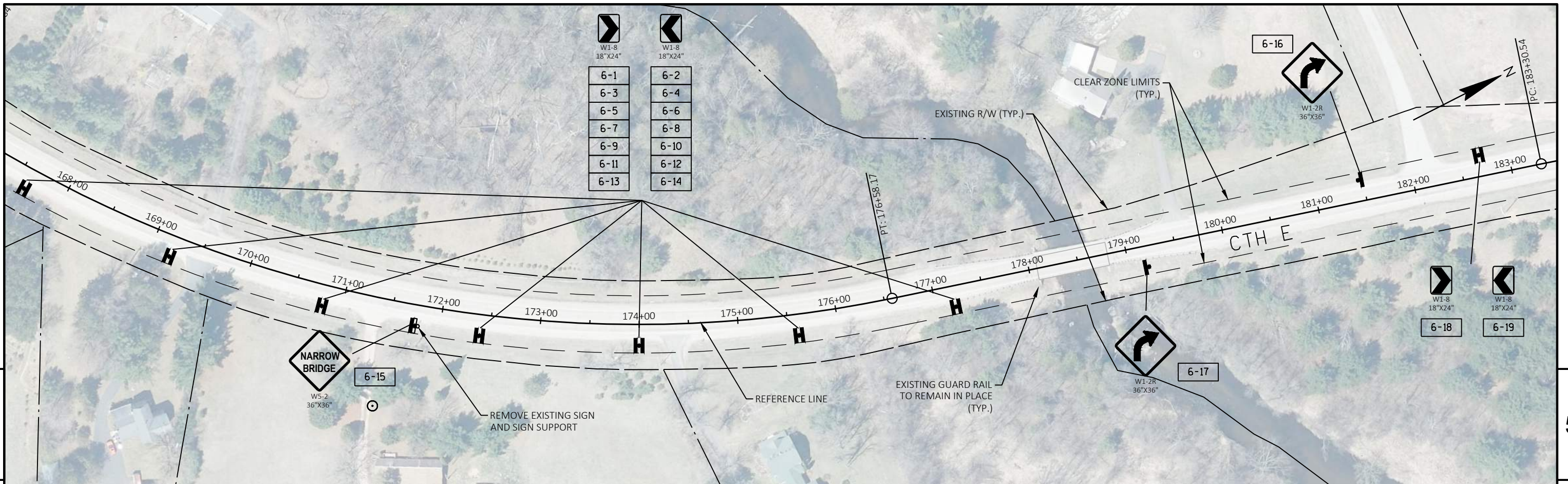
PROJECT NO: 6844-01-71 HWY: CTH E COUNTY: WAUPACA PLAN SHEET E

FILE NAME : R:\3900\3985\3985007\DWG\050201_PN.DWG PLOT DATE : 7/15/2022 9:32 AM PLOT BY : ROCHELLE L BURSA PLOT NAME : PLOT SCALE : 1 IN:100 FT WISDOT/CADD SHEET 44

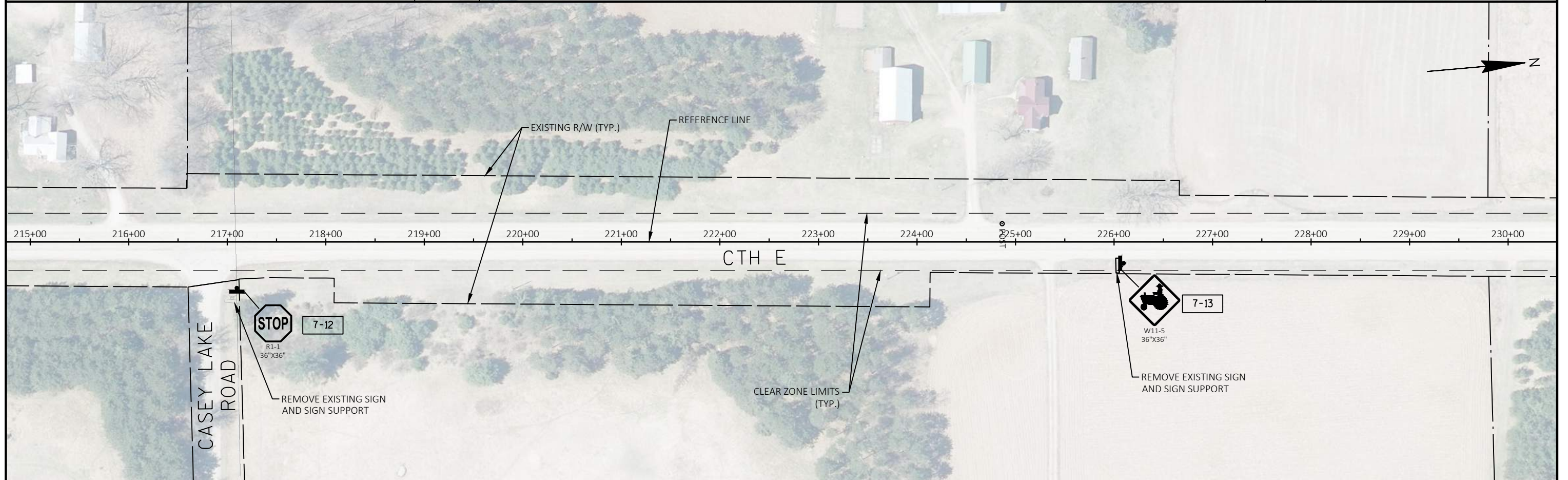
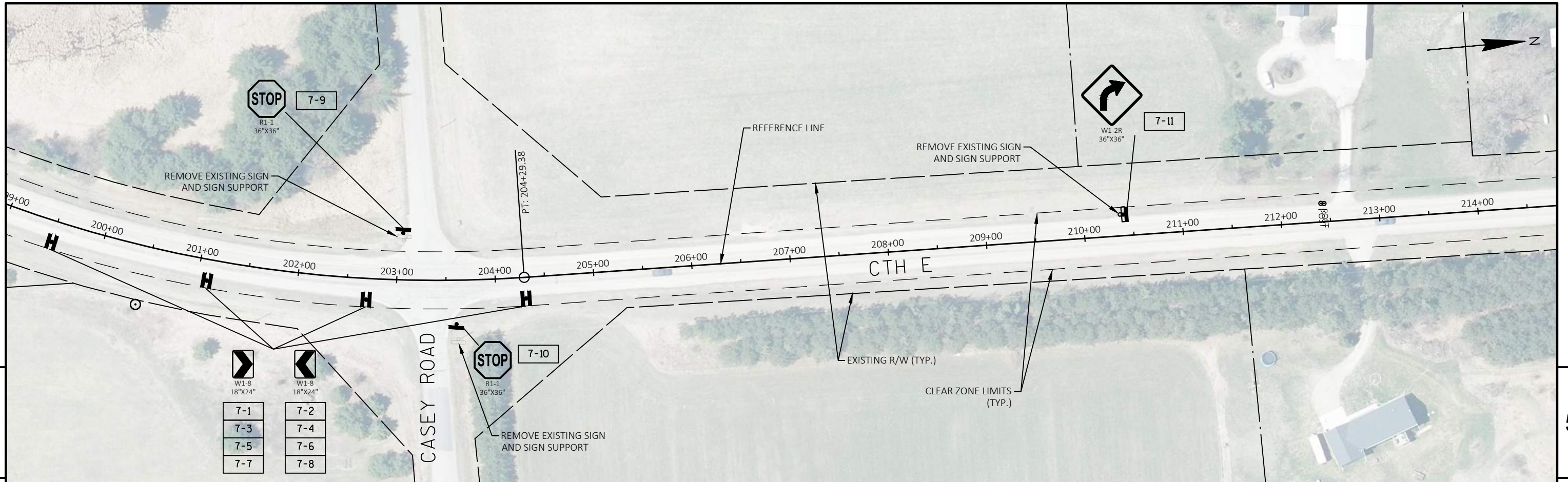
LAYOUT NAME - Sheet - (4)



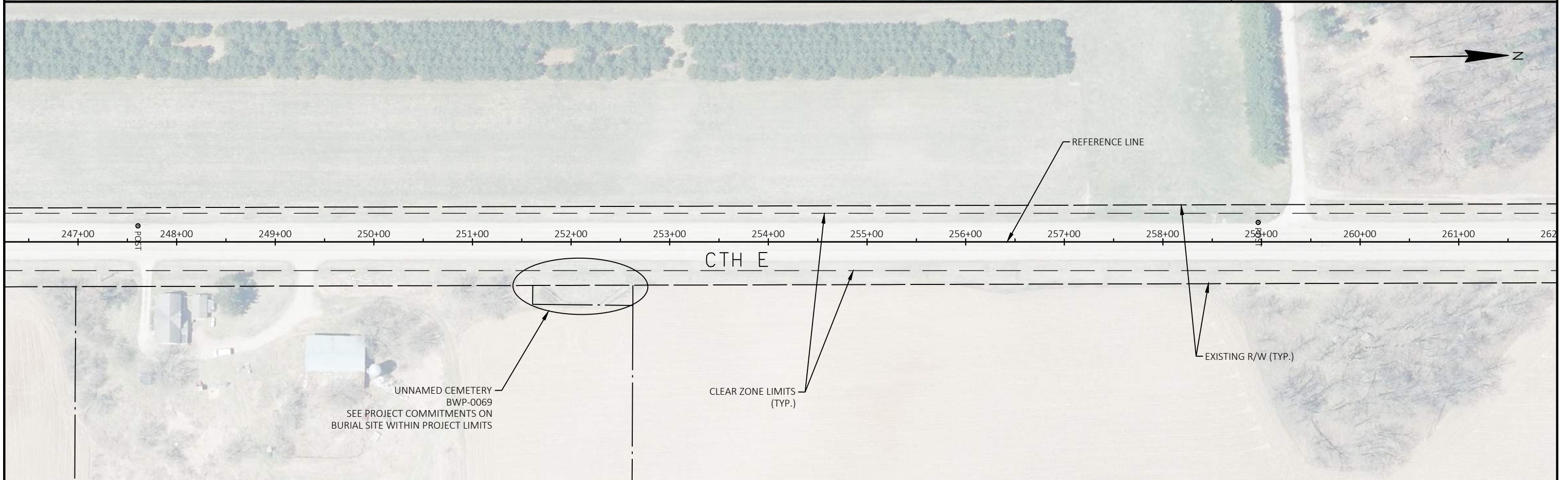
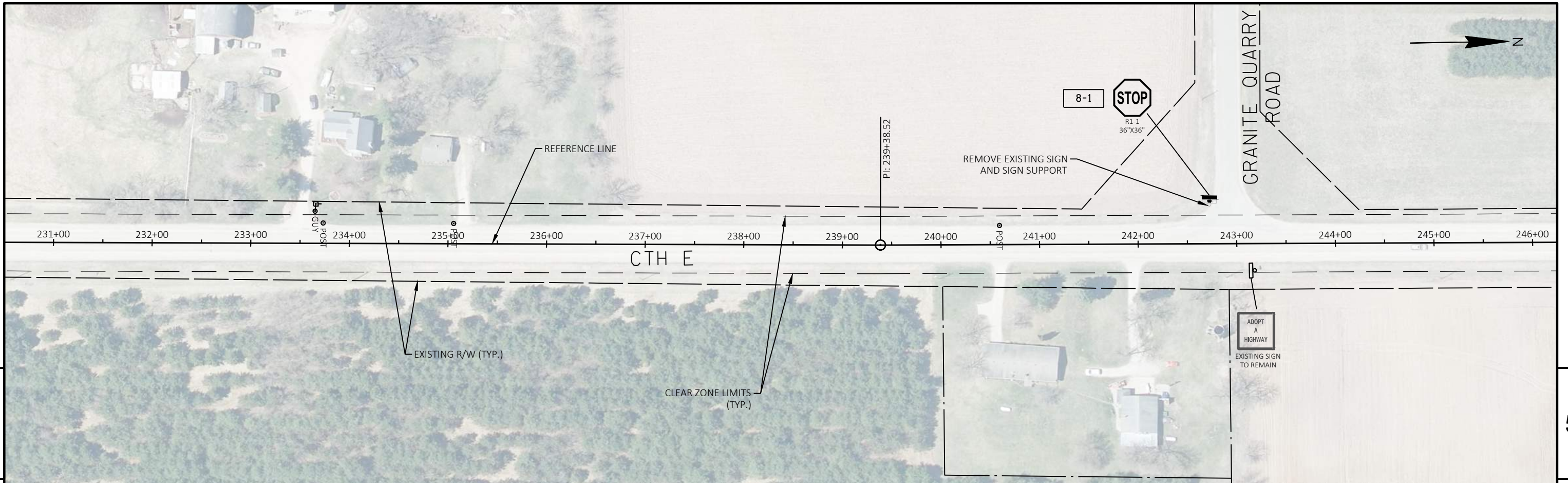
PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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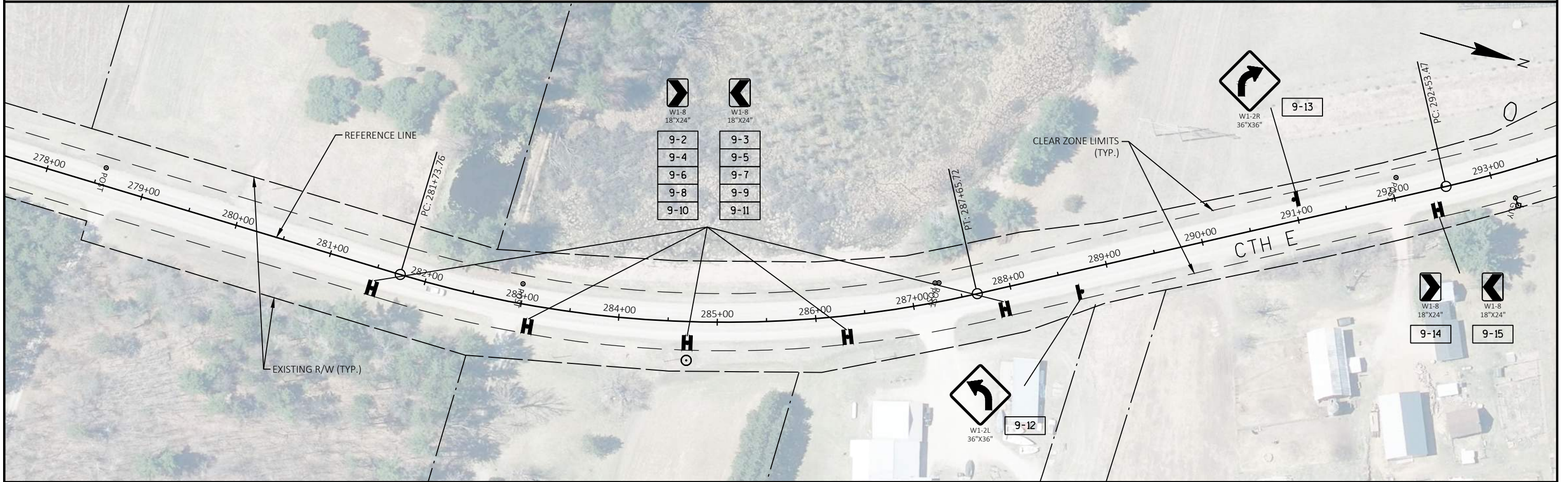
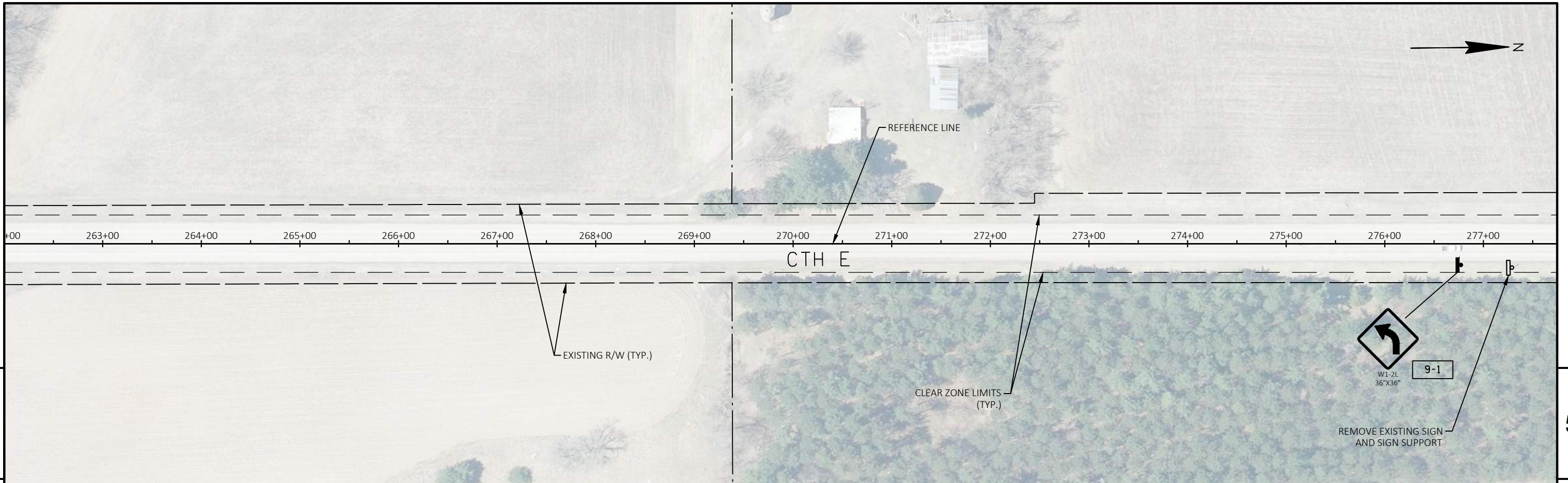
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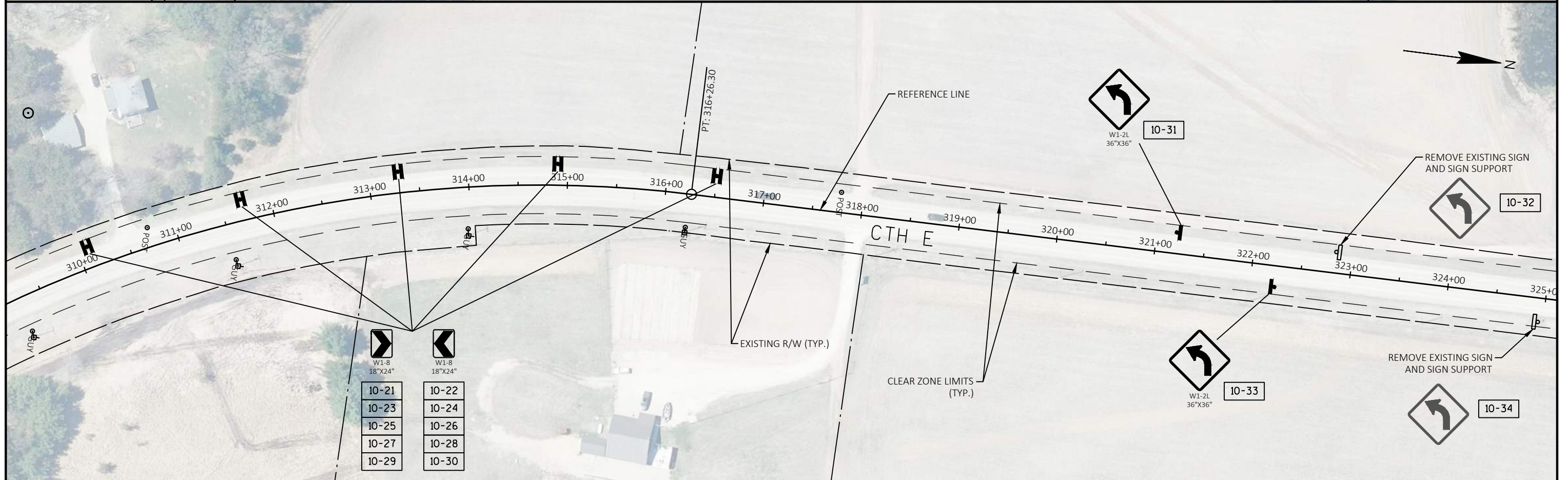
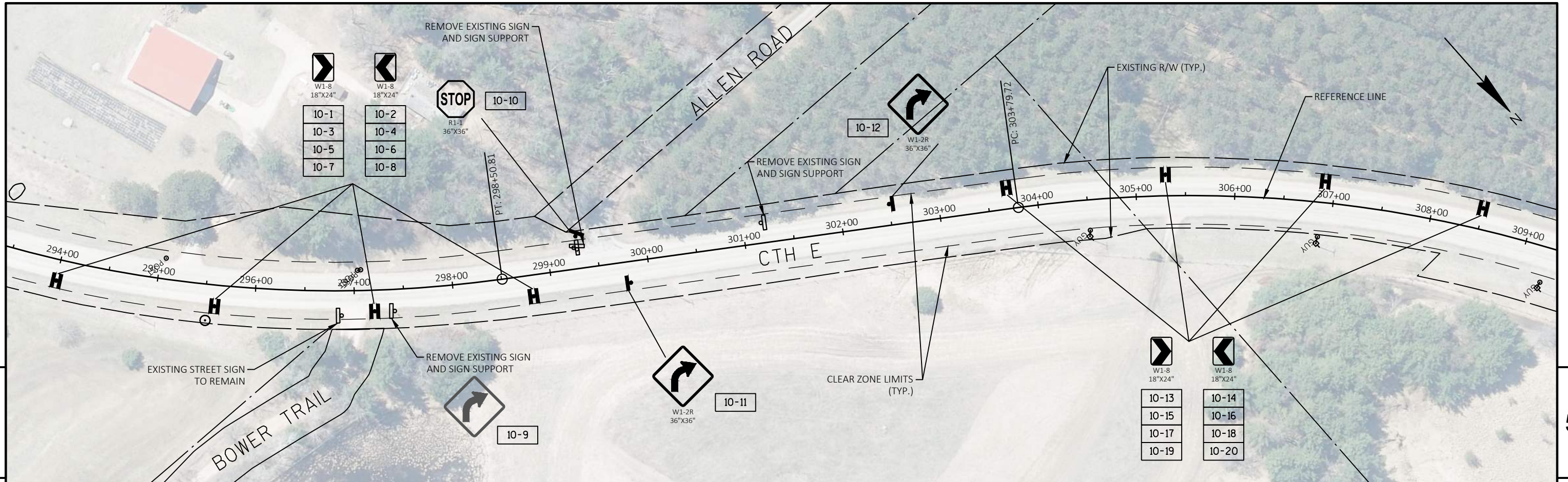
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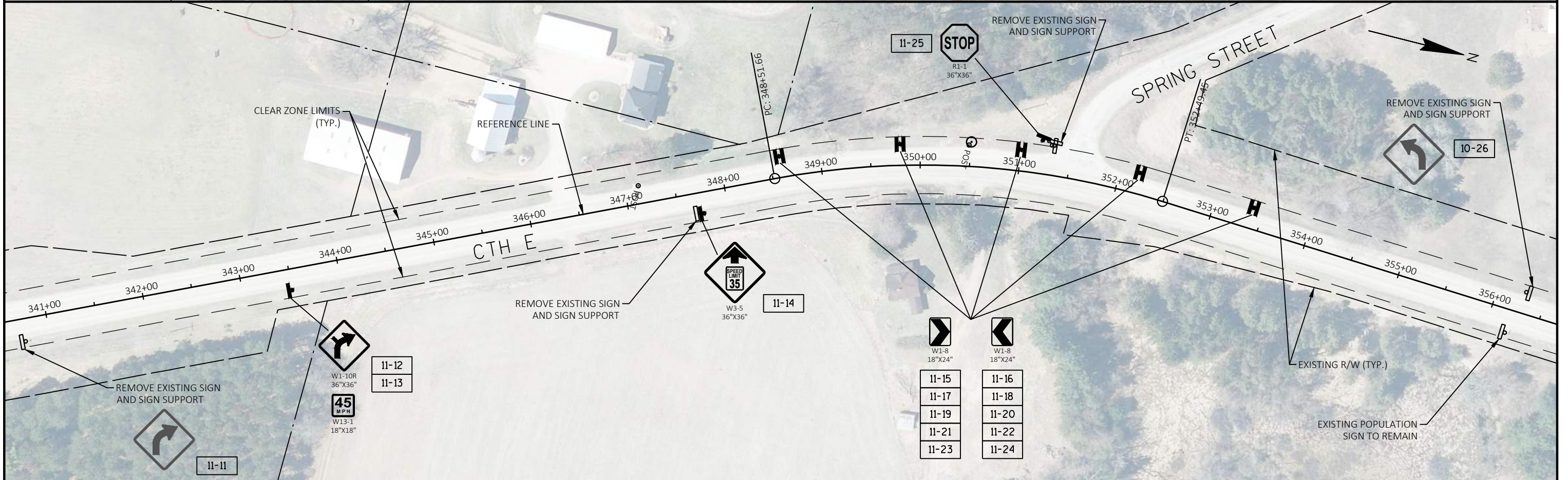
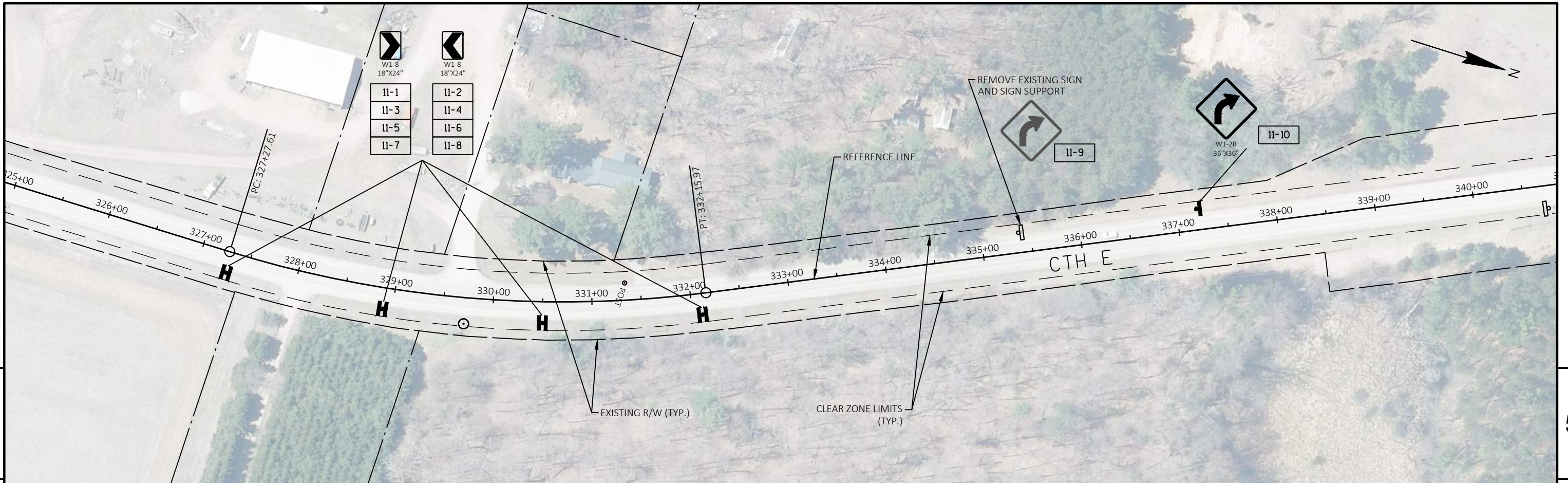
PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET E
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PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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PROJECT NO: 6844-01-71

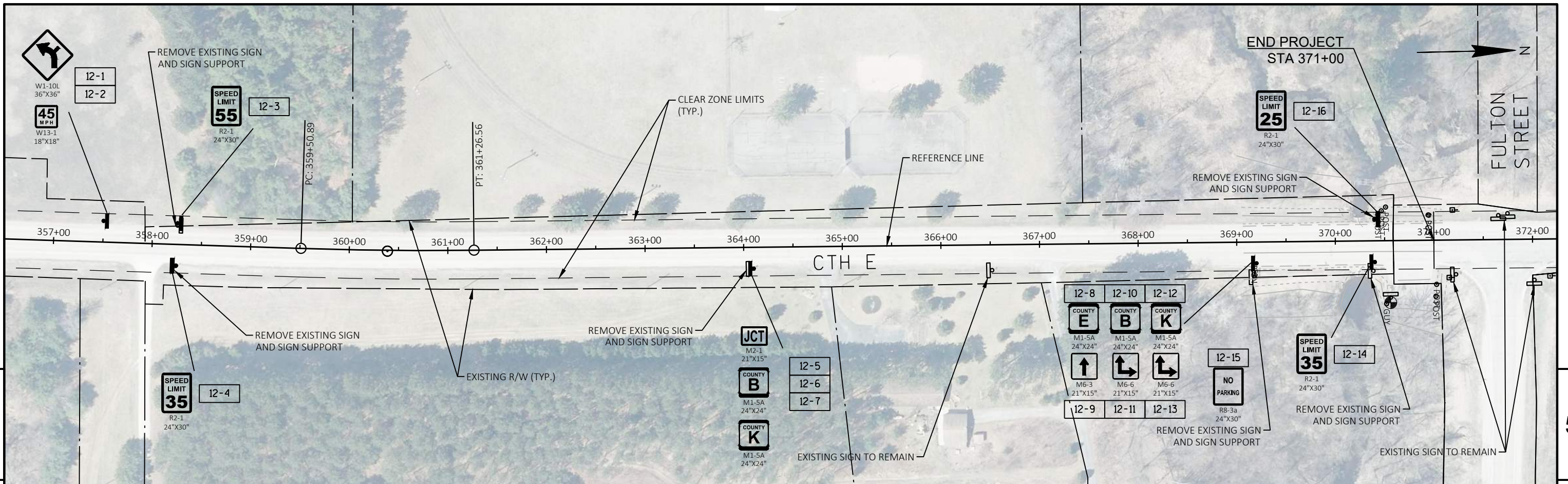
HWY: CTH E

COUNTY: WAUPACA

PLAN

SHEET

E



5

5

PROJECT NO: 6844-01-71	HWY: CTH E	COUNTY: WAUPACA	PLAN	SHEET	E
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Standard Detail Drawing List

13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-07A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

GENERAL NOTES

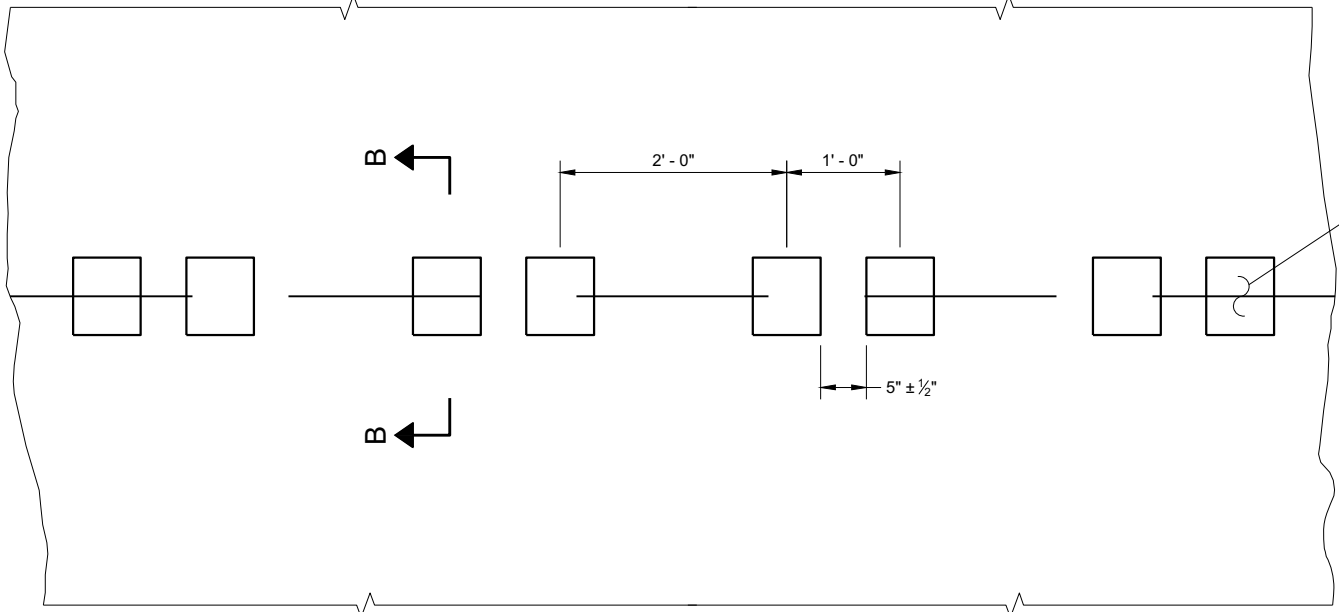
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

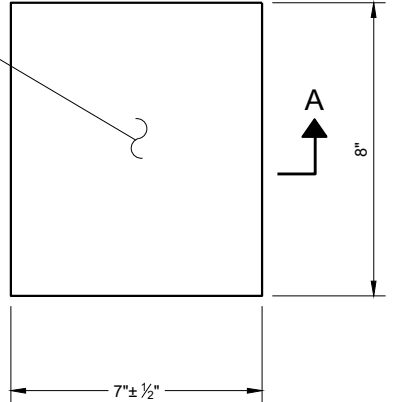
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

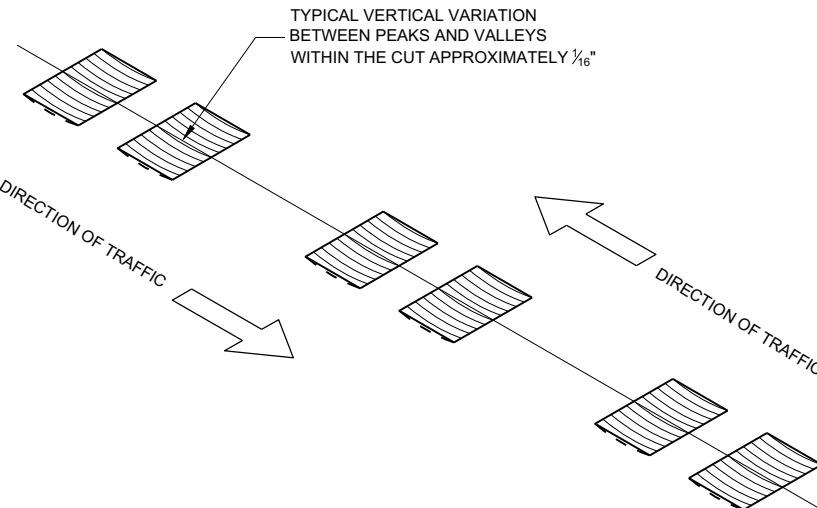
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



**PLAN VIEW
SHOULDER WITH GROOVES**

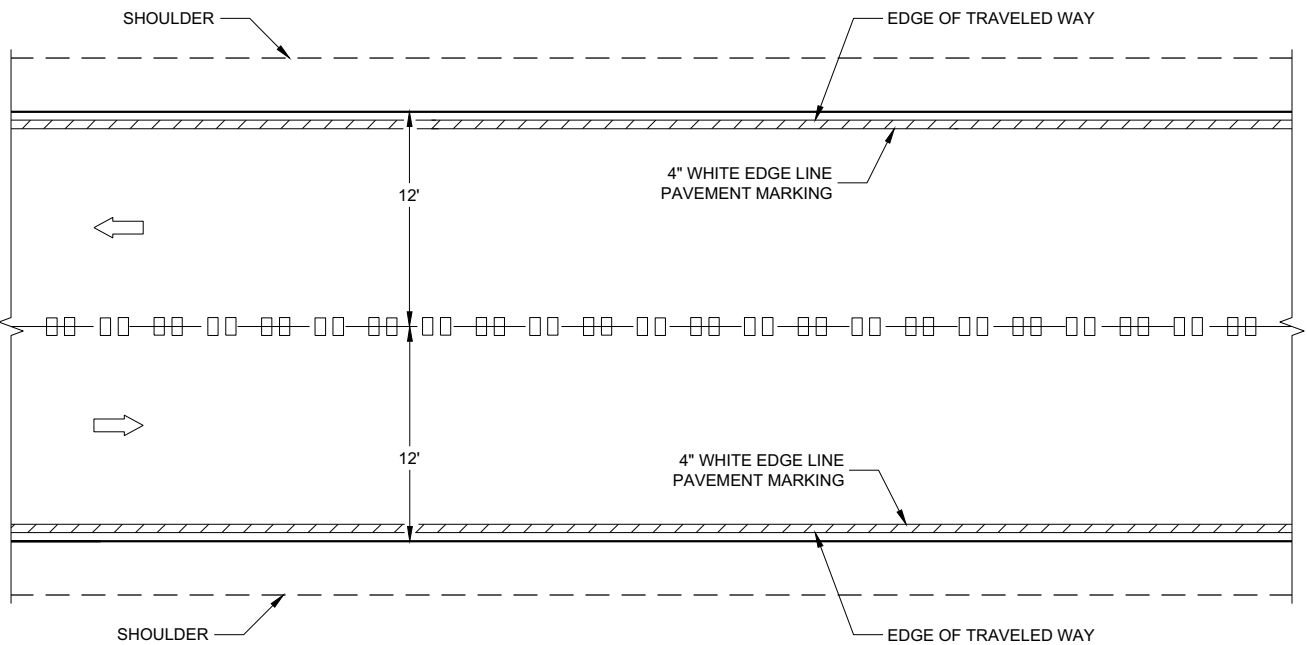


**PLAN VIEW
(SINGLE GROOVE)**

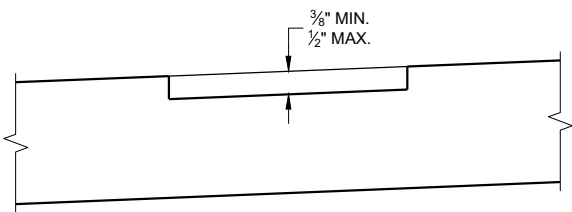


ISOMETRIC

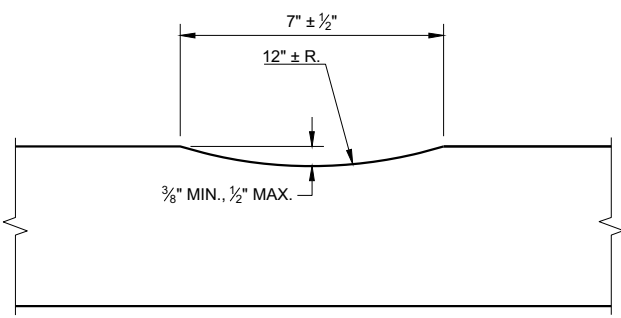
PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



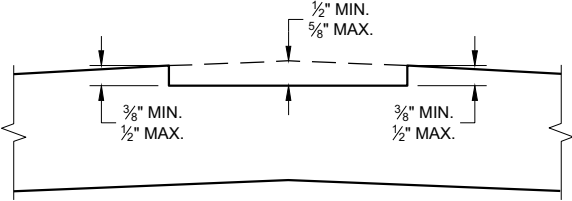
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



**SECTION B - B
SUPERELEVATED ROADWAY**



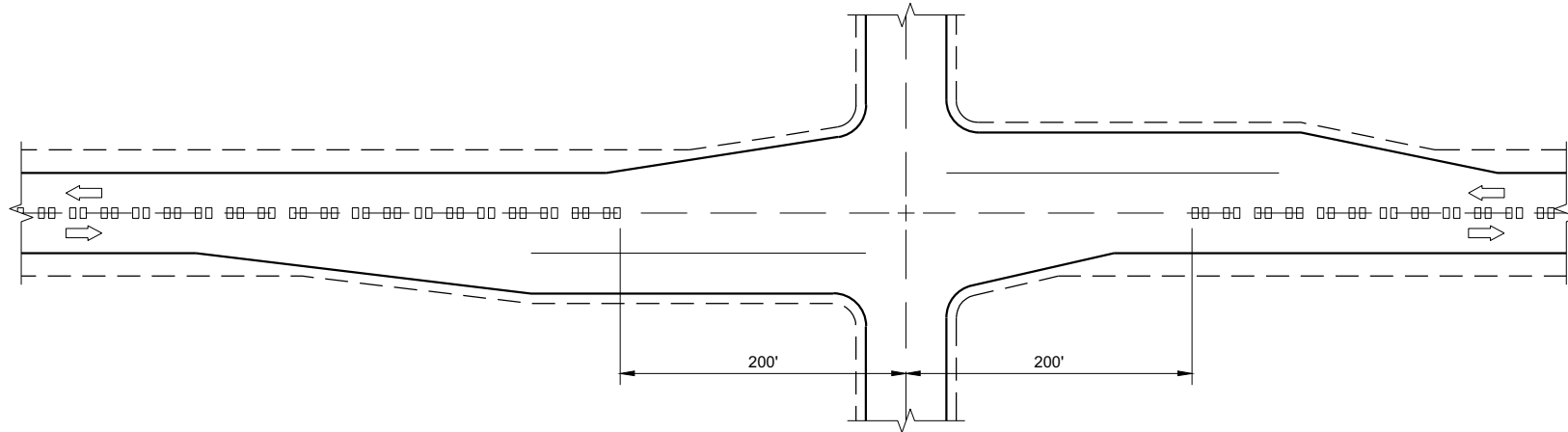
SECTION A - A



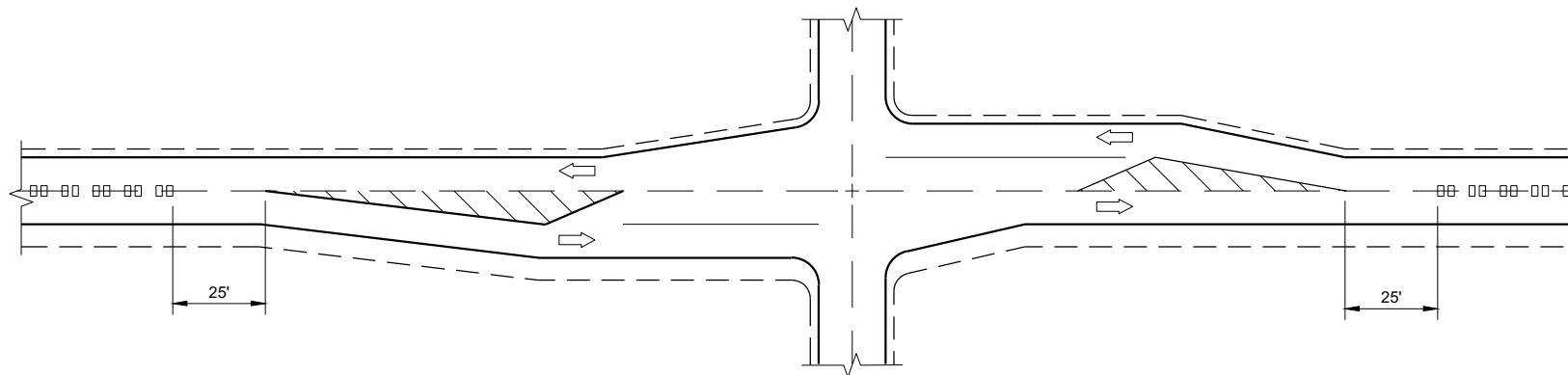
**SECTION B - B
CROWNED ROADWAY**

**2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING**

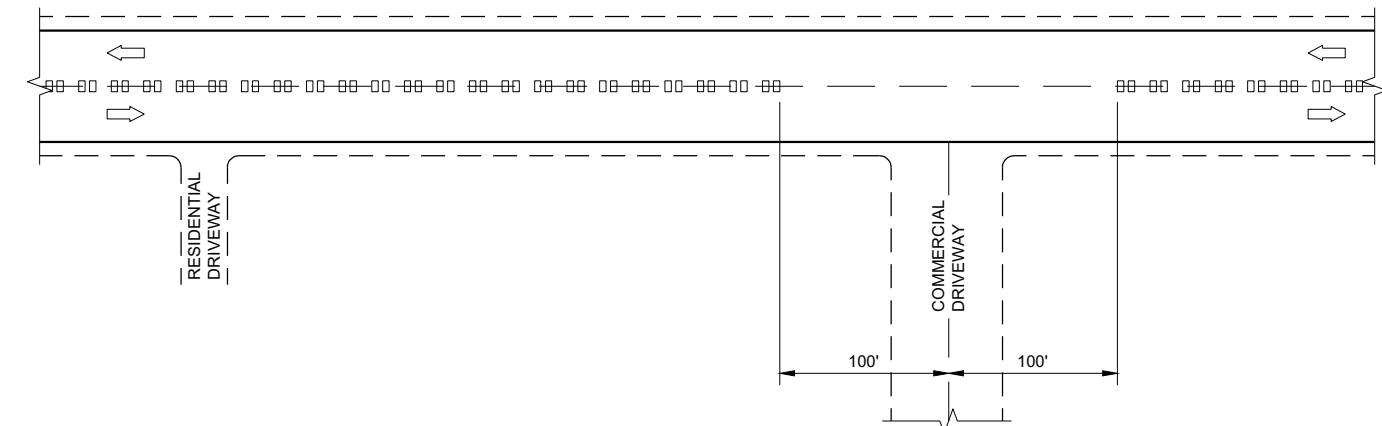
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTERLINE GROOVES AT INTERSECTIONS



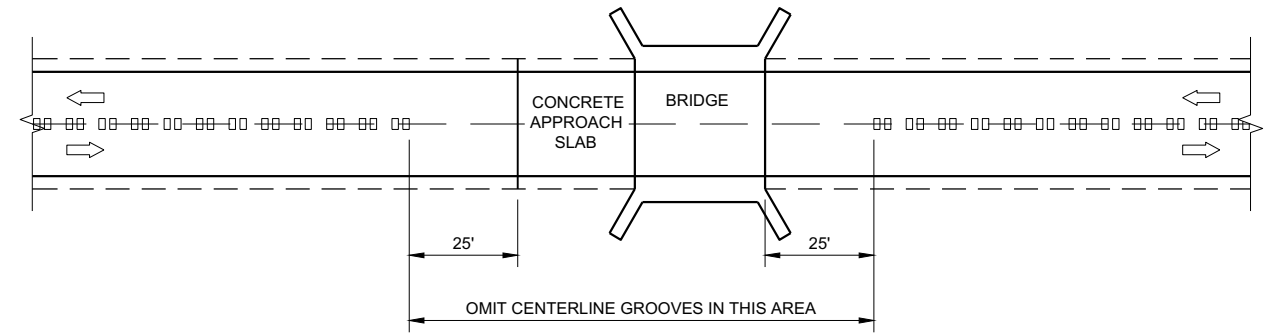
**CENTERLINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)**



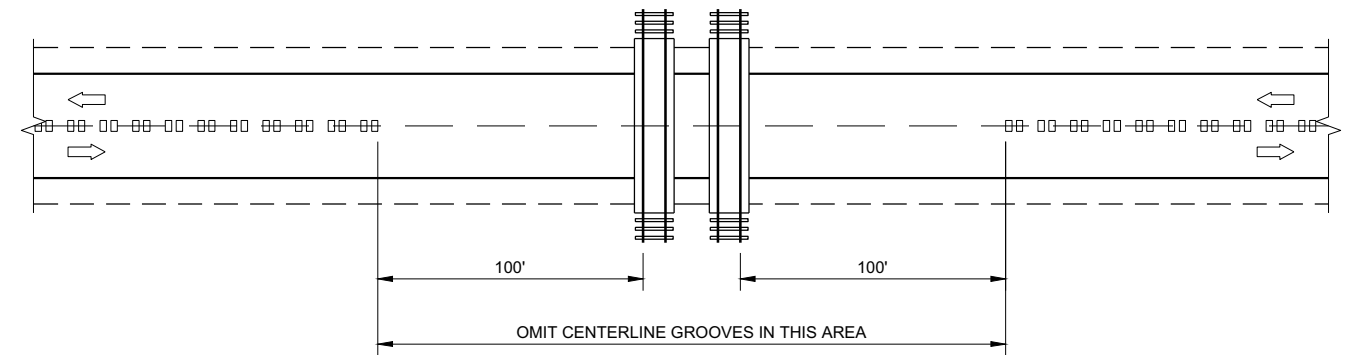
CENTERLINE GROOVES AT DRIVEWAYS^①

GENERAL NOTES

- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

6

6

SDD 13A11 - 03b

SDD 13A11 - 03b




2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE 7/2018	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

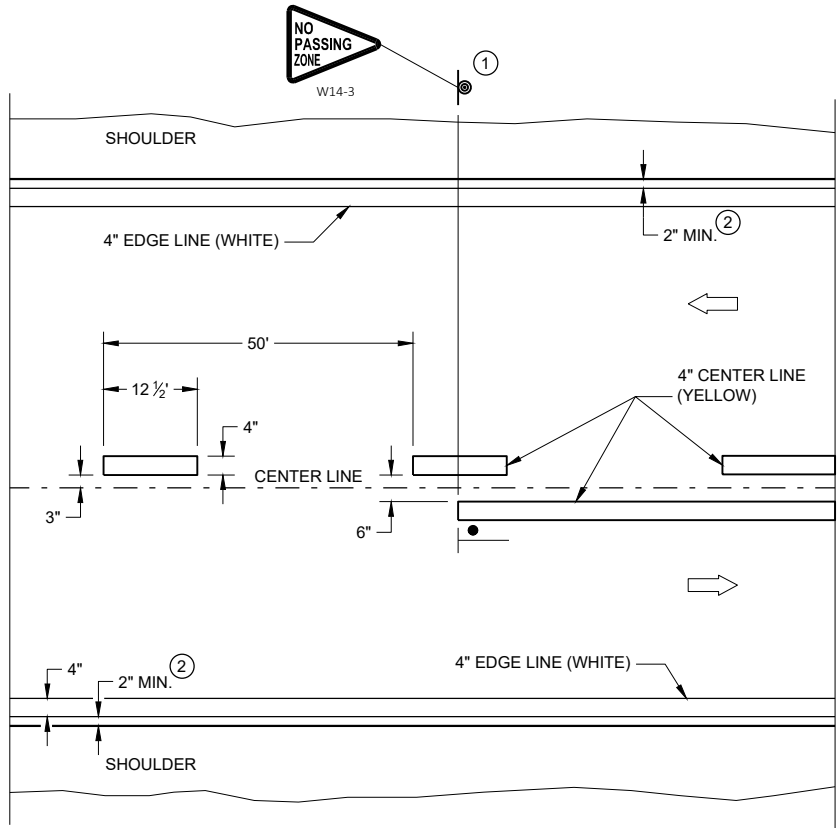
GENERAL NOTES

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

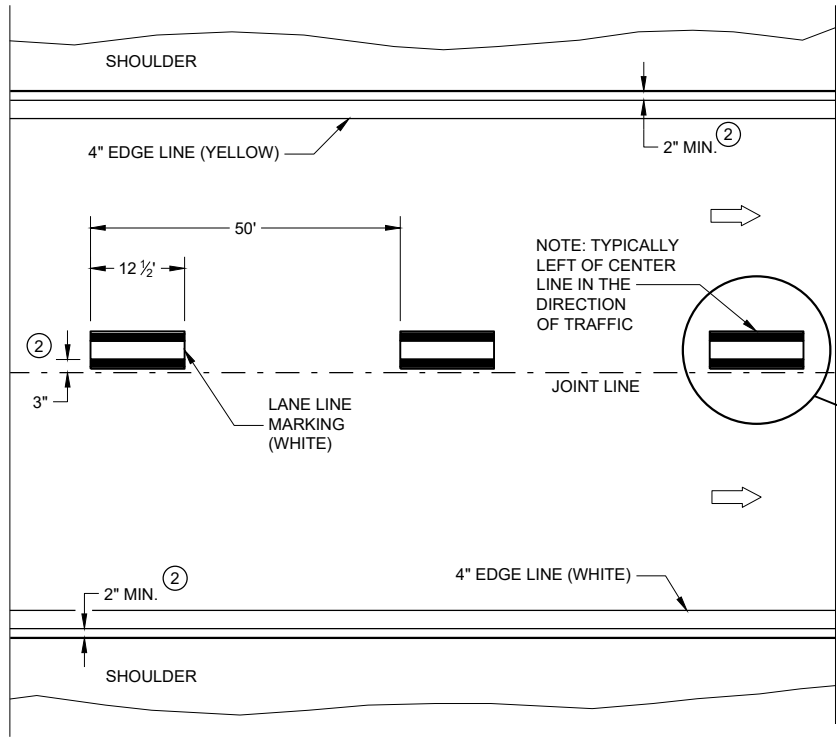
- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

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

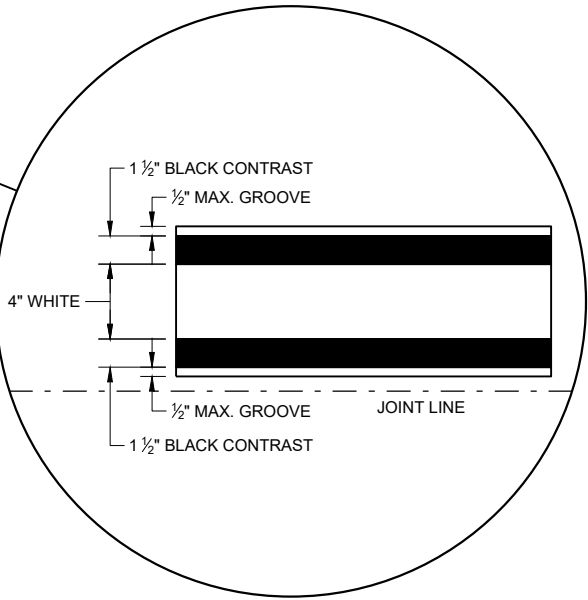


TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



6

6

SDD 15C08 - 21a

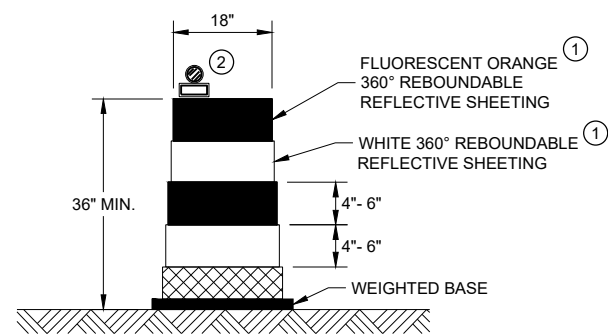
SDD 15C08 - 21a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

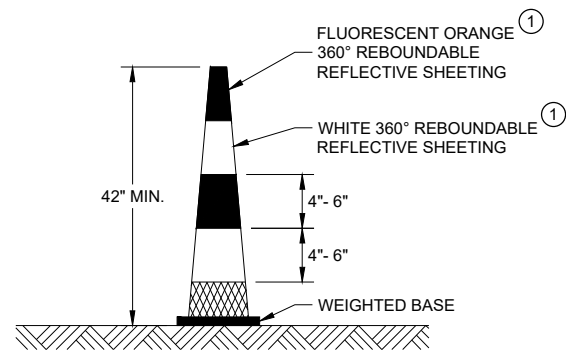
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
DATE: May 2022 /S/ Jeannie Silver
STATEWIDE SIGNING AND MARKING ENGINEER

FHWA

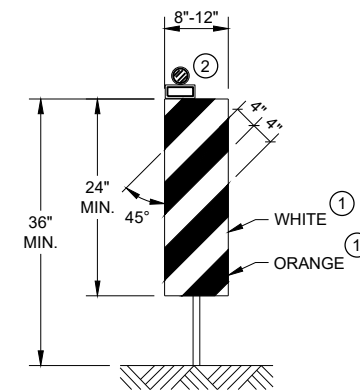


DRUM



42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS

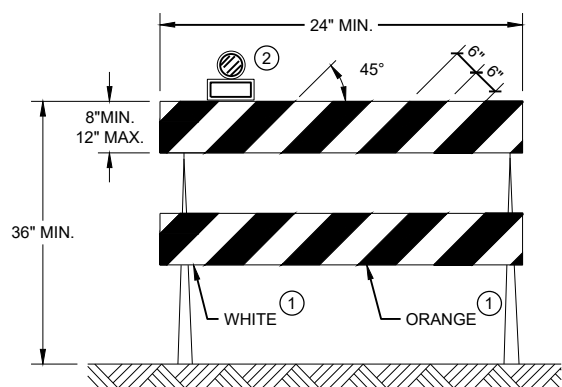


VERTICAL PANEL

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

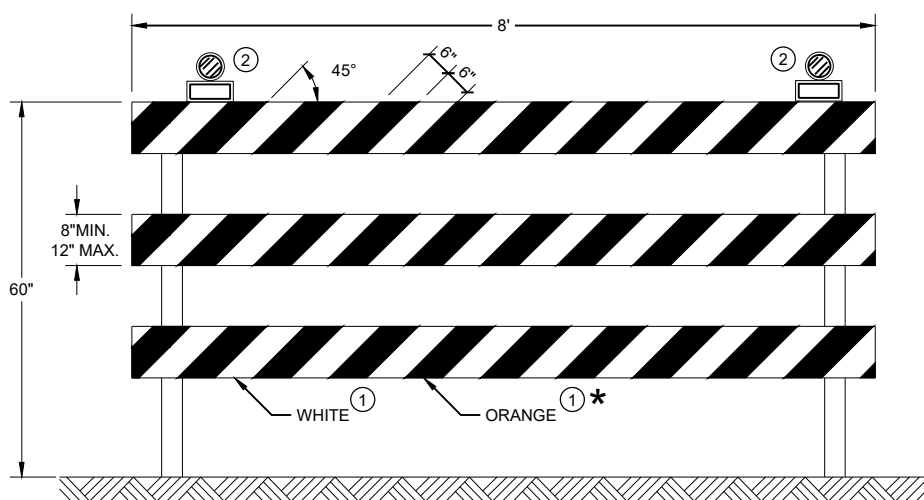
GENERAL NOTES

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.






**CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 /S/ Andrew Heidtke
DATE WORK ZONE 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.

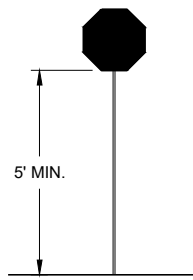
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



STOP/SLOW PADDLE ON SUPPORT STAFF

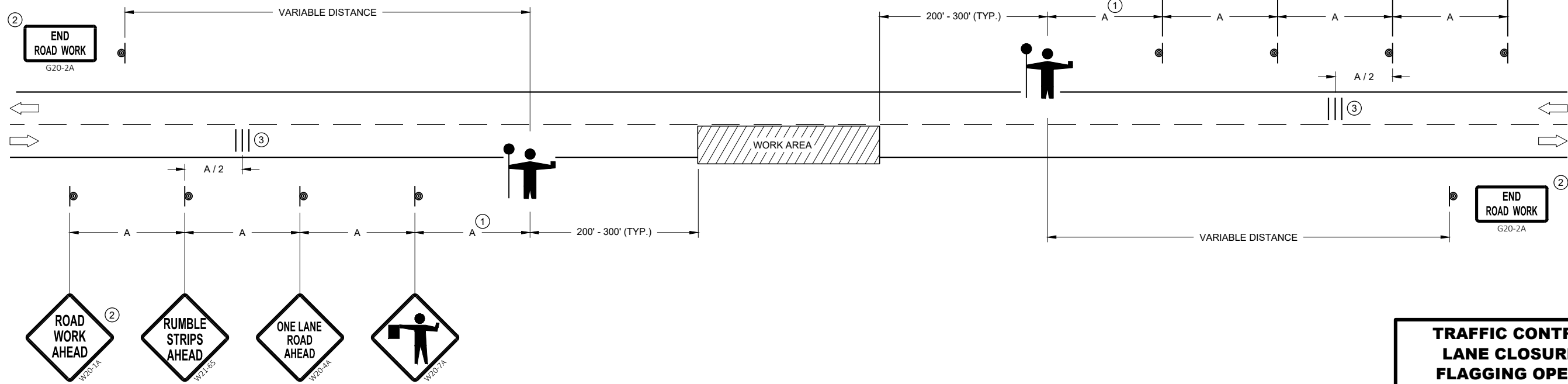
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



W03-4

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
DATE: May 2022 /S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

GENERAL NOTES

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL CONE 42-INCH
-  TRAFFIC CONTROL DRUM
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  **AFAD** AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

- ① SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- ② IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

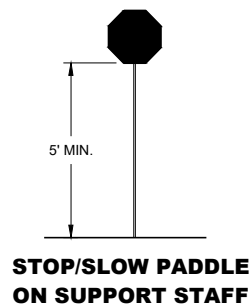
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

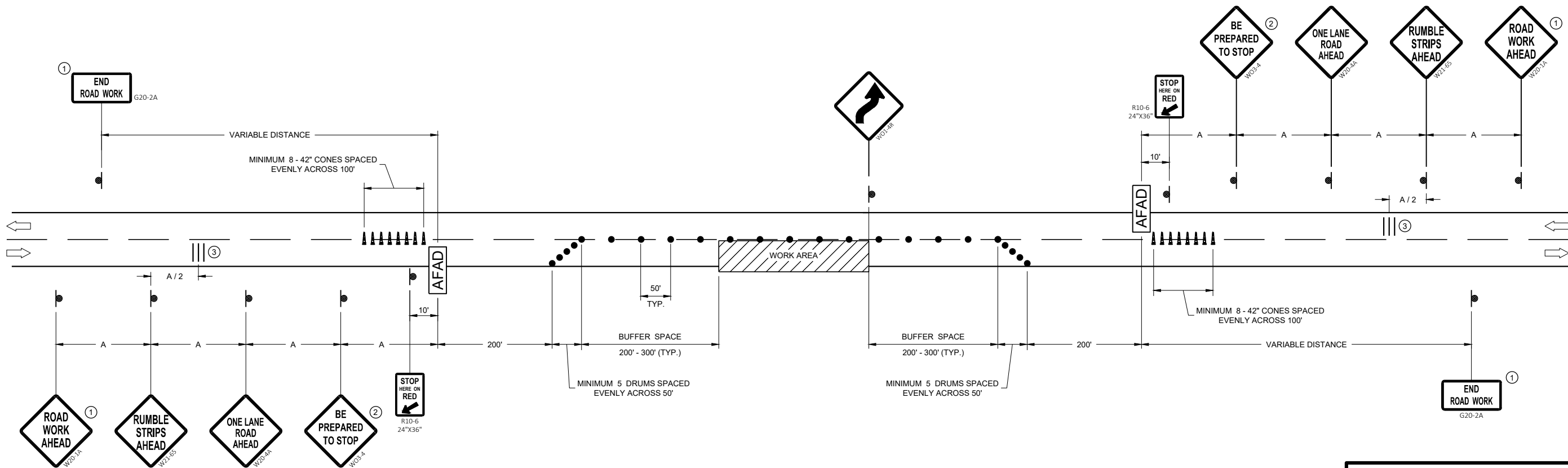
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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







TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

LEGEND

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

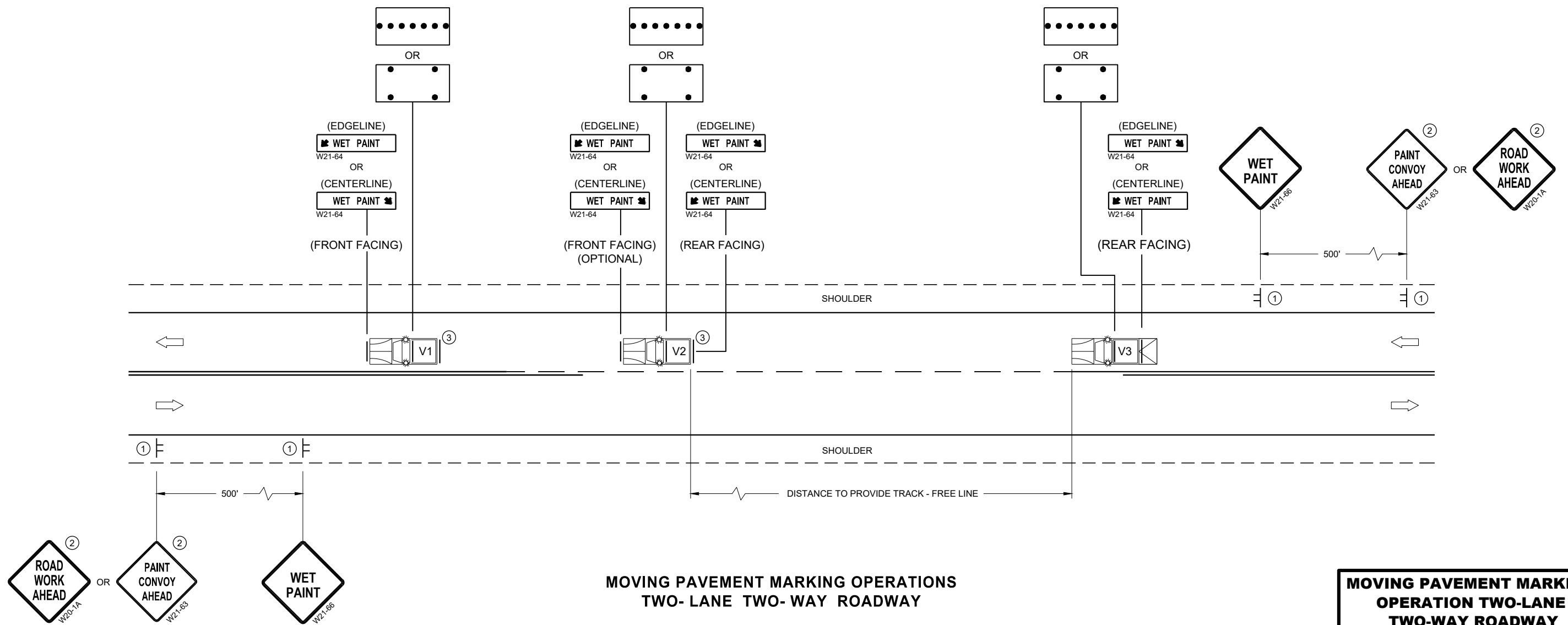
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
- ③ V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.

6

6



**MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY**

SDD 15C19 - 07a

SDD 15C19 - 07a

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

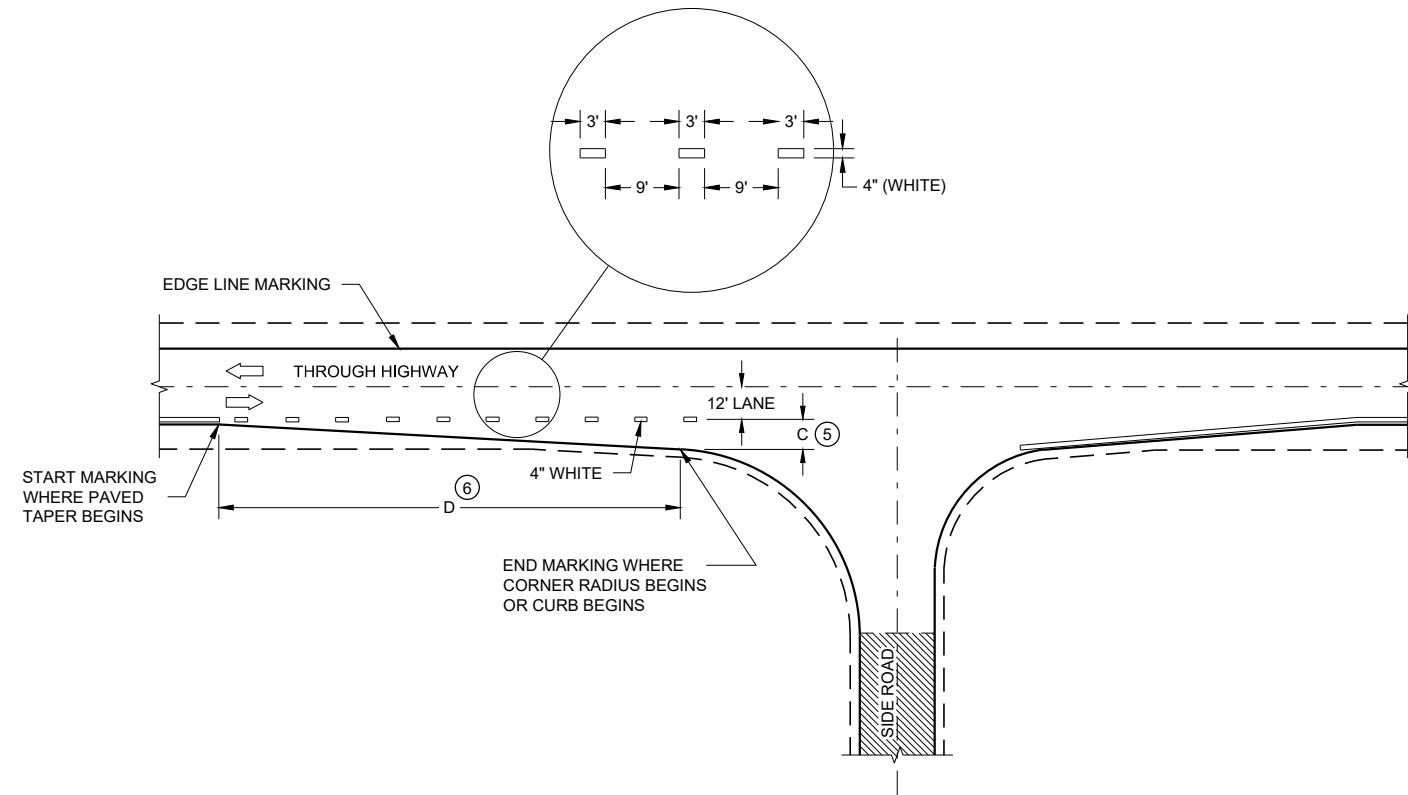
GENERAL NOTES

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

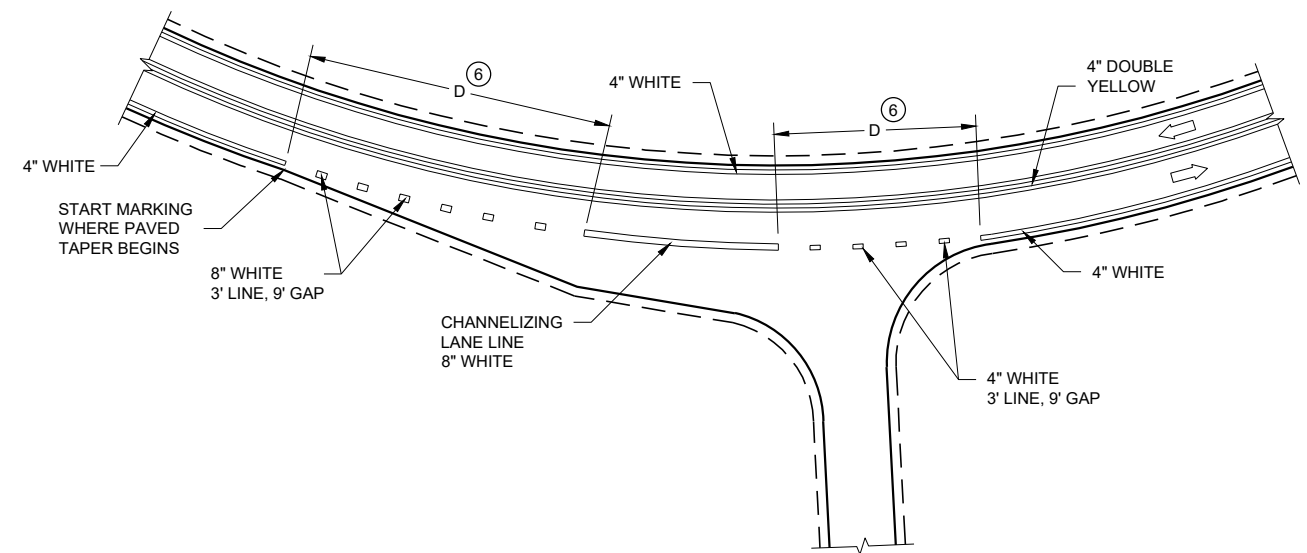
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑤ WHEN DISTANCE "C" IS LESS THAN 4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

LEGEND

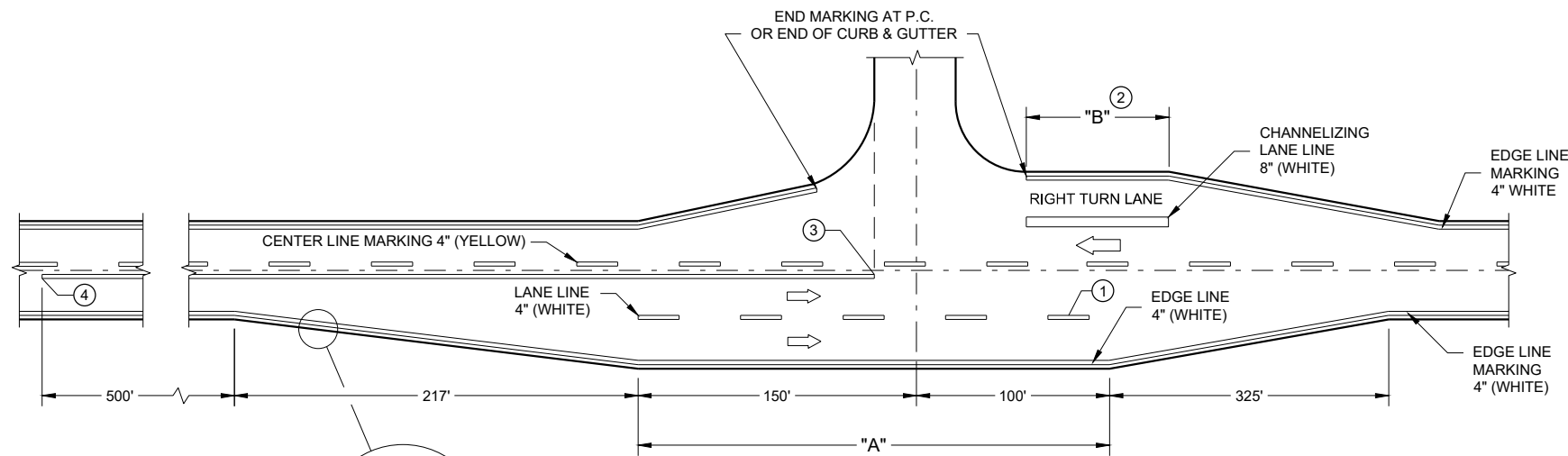
➡ DIRECTION OF TRAVEL



MINOR INTERSECTION

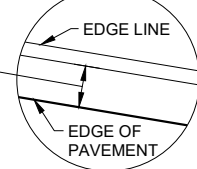


INTERSECTION ON OUTSIDE OF CURVE



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





BYPASS LANE PAVED SHOULDER WIDTH (AS SHOWN ELSEWHERE IN PLANS) - PLUS 2 INCHES



**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.

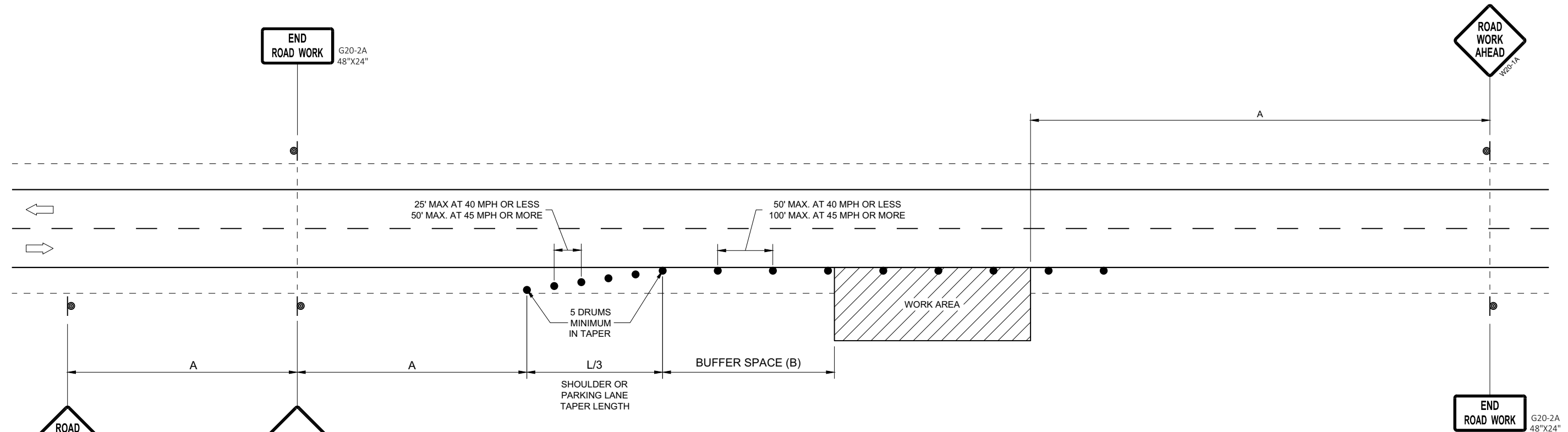
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

6

6



OR
IF TRAFFIC CONTROL DEVICES
ENCROACH ONTO TRAVELED WAY, USE

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 DATE /S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

LEGEND

- V1 WORK VEHICLE
- V2 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  FLASHING ARROW PANEL (CAUTION)
-  WORK AREA
-  DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

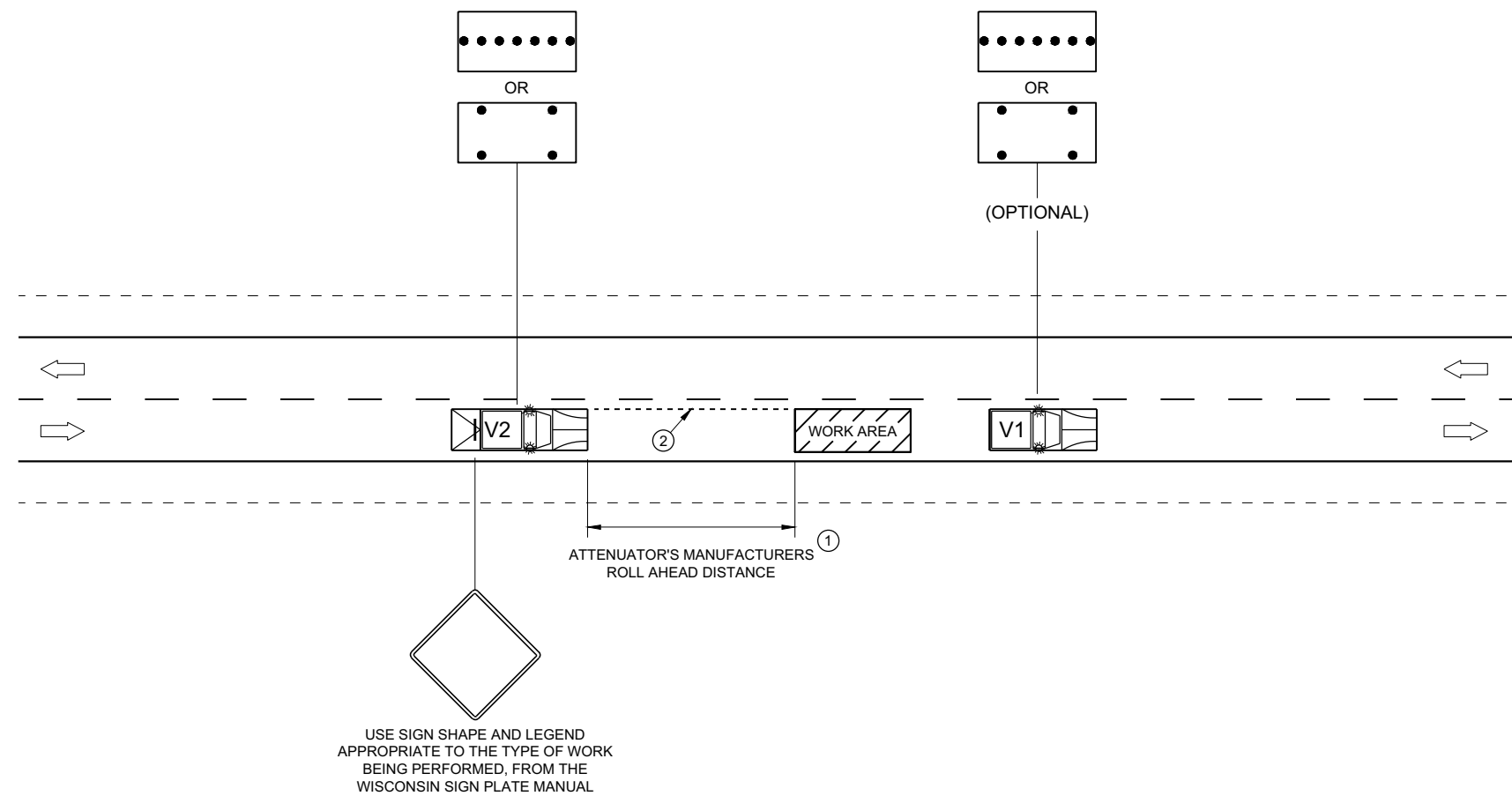
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

- ① DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ② ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



6

6

SDD 15D51 - 01

SDD 15D51 - 01

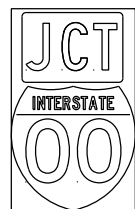
**TRAFFIC CONTROL,
MOBILE OPERATIONS ON
AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

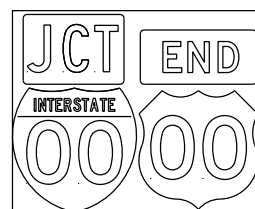
APPROVED
February 2021 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

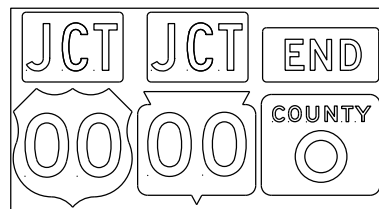
TYPICAL ASSEMBLIES



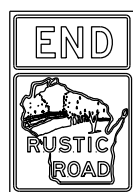
J1-1



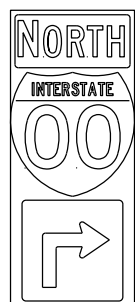
J1-2



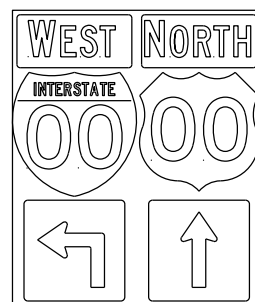
J1-3



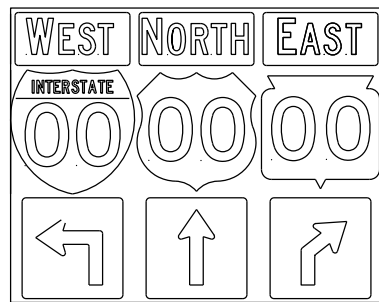
JR1-1



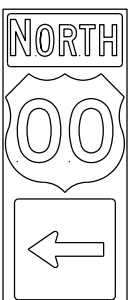
J2-1



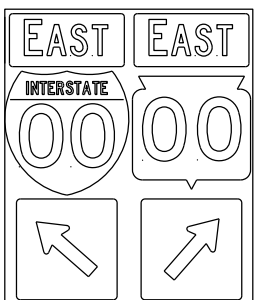
J2-2



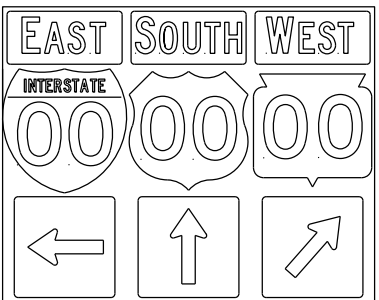
J2-3



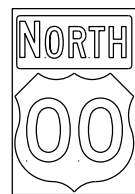
J3-1



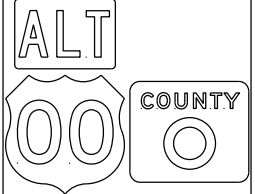
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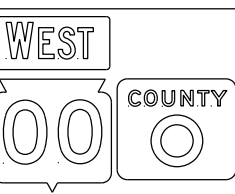
J3-3



J4-1



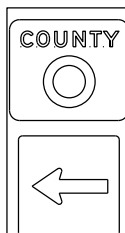
J4-2



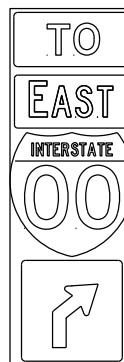
J4-2



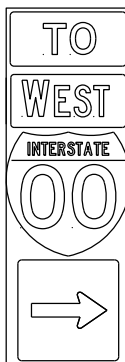
J12-1



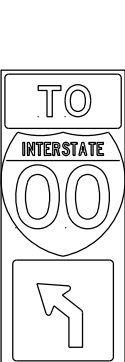
J13-1



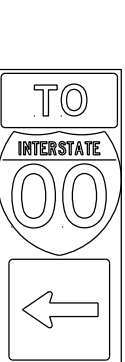
J32-1



J33-1



J22-1



J23-1



JR13-1



JR23-1

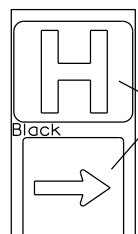


JR99-1



JV

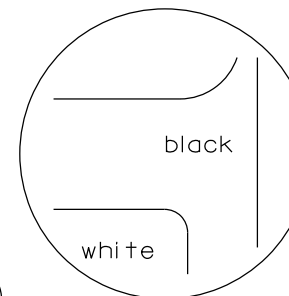
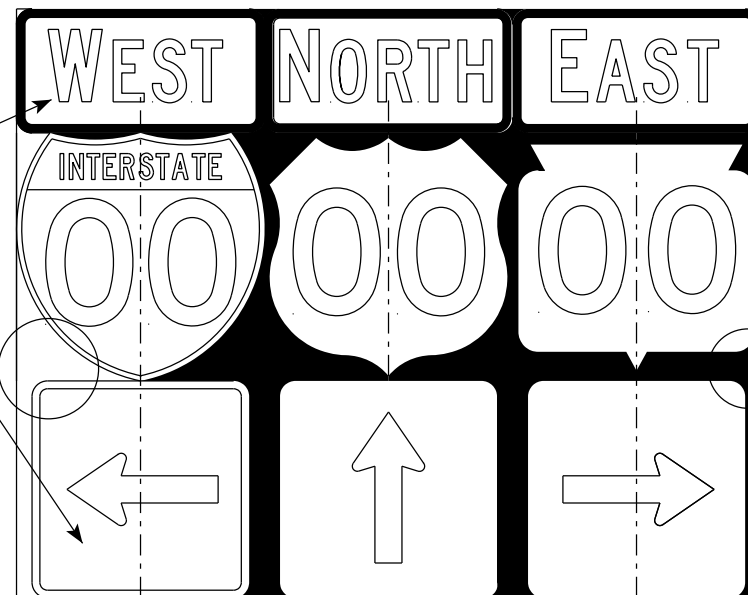
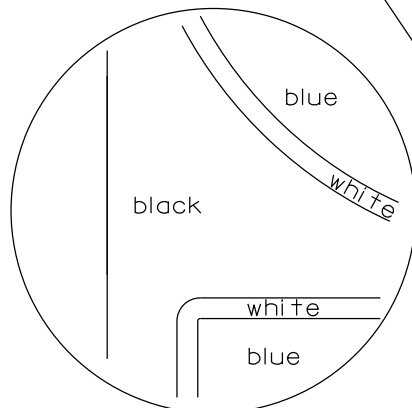
(Typical Vertical J-Assembly See Note 10 and 11)



JH-1

Blue Background

blue background with interstate



black background

NOTES

- Signs are Type II - Type H Reflective
- Color:
 - Background - Black Non-reflective
 - Message - see Note 5
- Message Series - See Note 5
- Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
- The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- Certain marker heads require the component pieces to be the same color. As an example, all the components used with an MI-1 Interstate marker shall be blue.
- 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.
- 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.
- 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.
- All Vertical J Assemblies are given a Sign Code of JV
- For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 3/18/21

PLATE NO. A2-1S.9

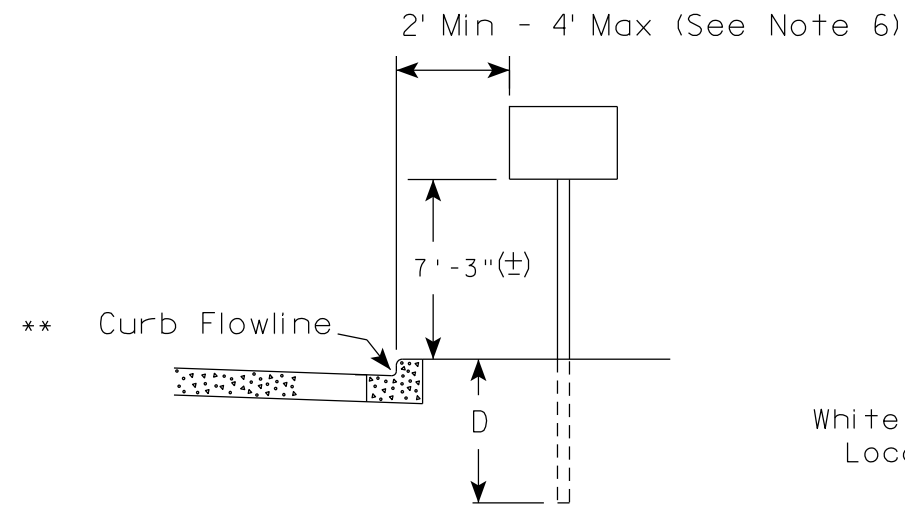
PROJECT NO:

SHEET NO:

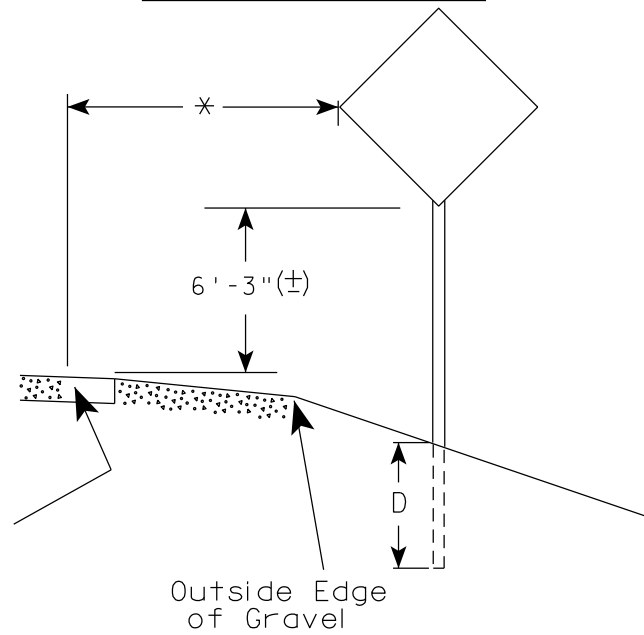
E

URBAN AREA

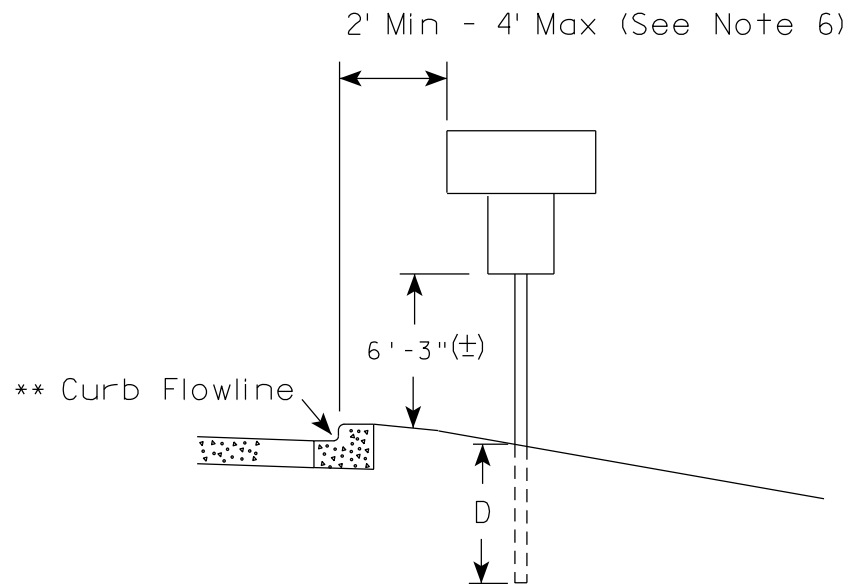
RURAL AREA (See Note 2)



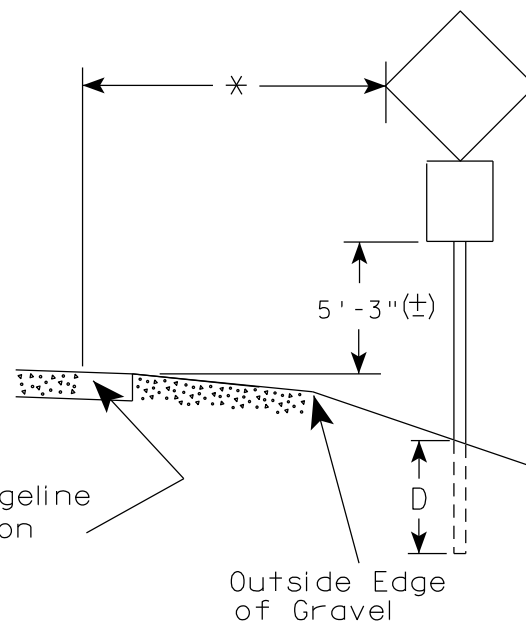
White Edgeline Location



Outside Edge of Gravel



White Edgeline Location



Outside Edge of Gravel

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" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the 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.

* 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 5/13/2020 PLATE NO. A4-3.22



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

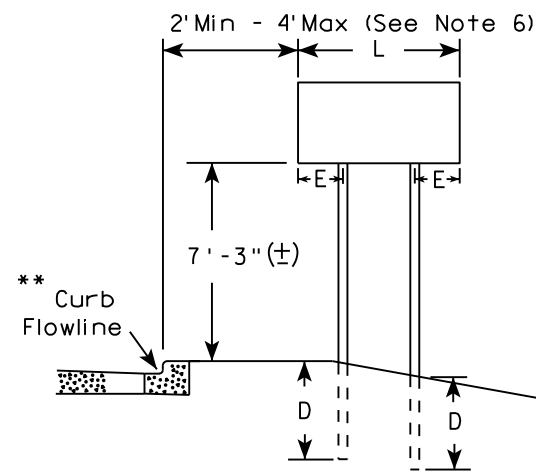
FOR NEW CONCRETE/ ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B	
<small>WISCONSIN DEPT OF TRANSPORTATION</small>	
APPROVED <i>Matthew R. Rauch</i> <small>for State Traffic Engineer</small>	
<small>DATE 1/27/14</small>	<small>PLATE NO. A4-3B.1</small>

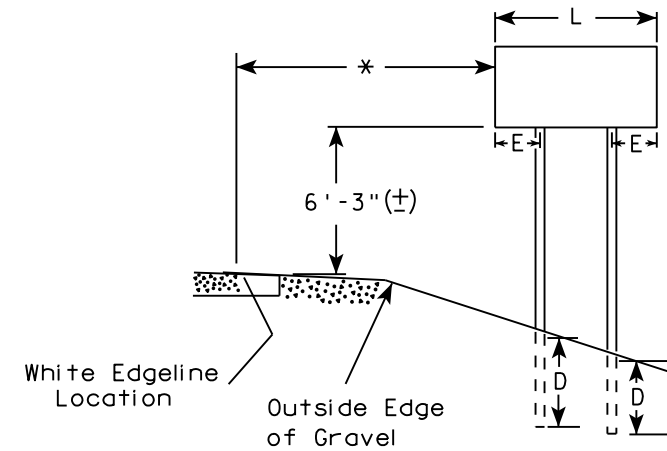
GENERAL NOTES

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

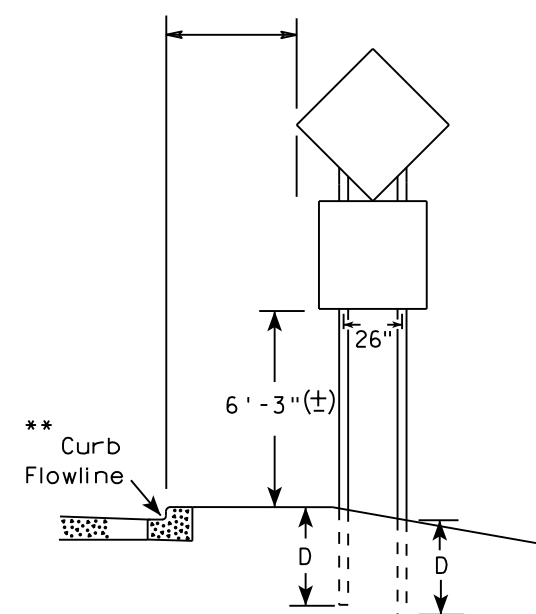
URBAN AREA



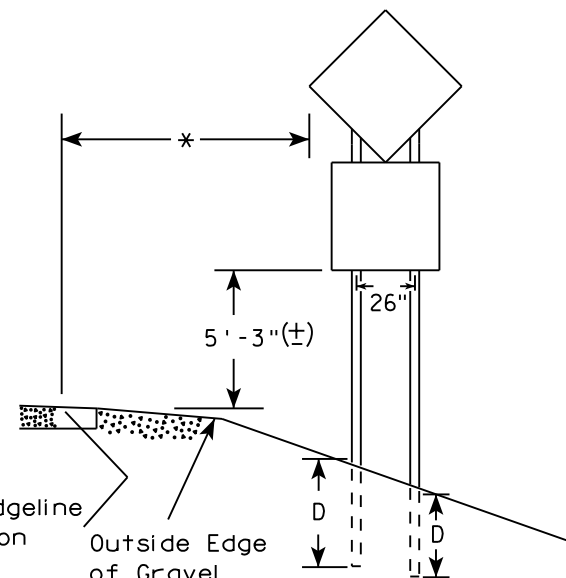
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

* 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

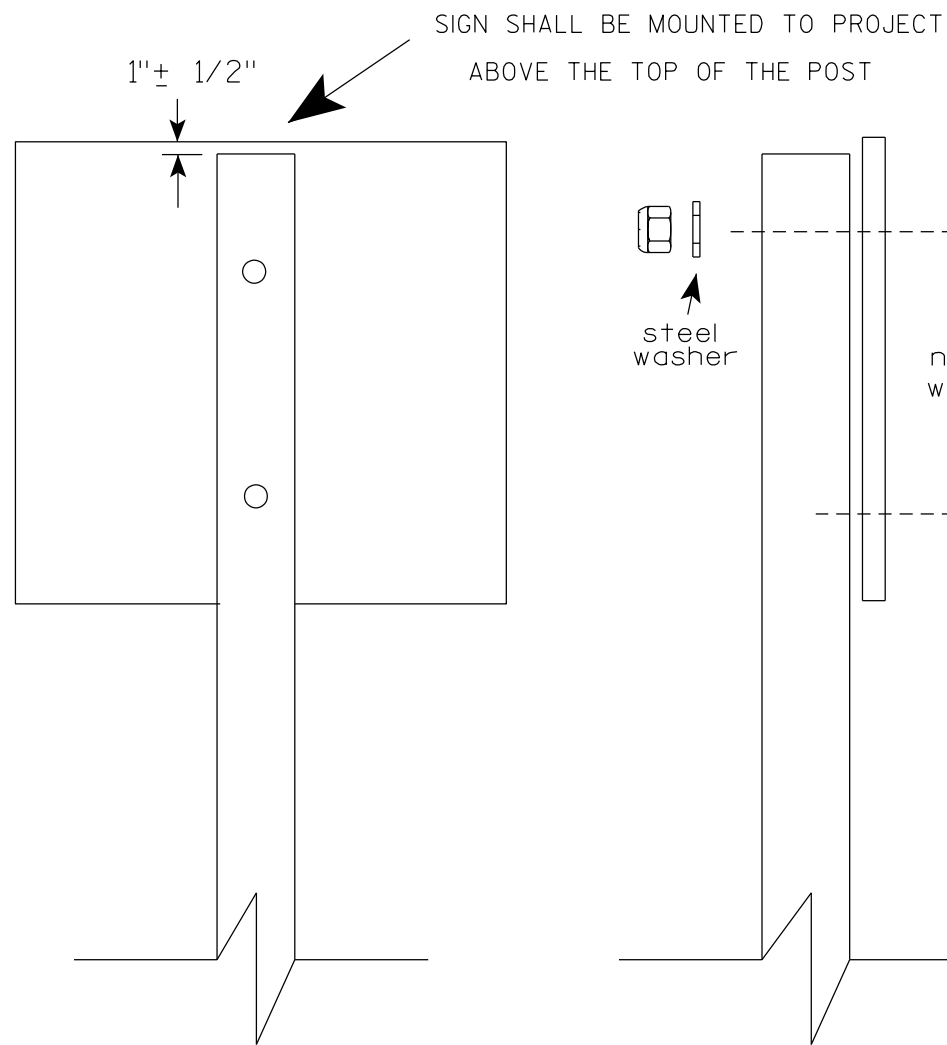
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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 8/21/17 PLATE NO. A4-4.15



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 - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* 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

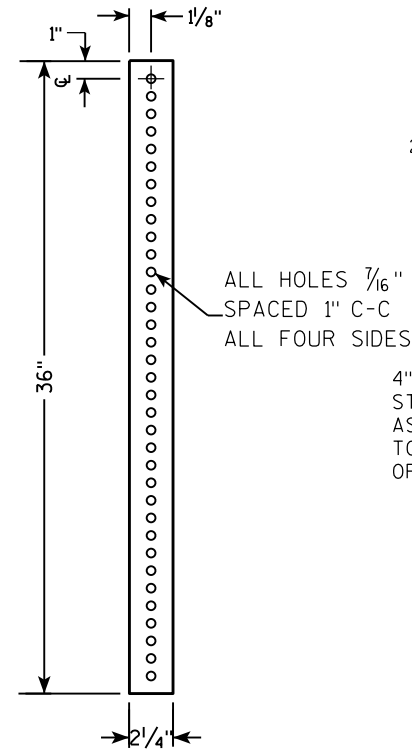
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

**TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM**

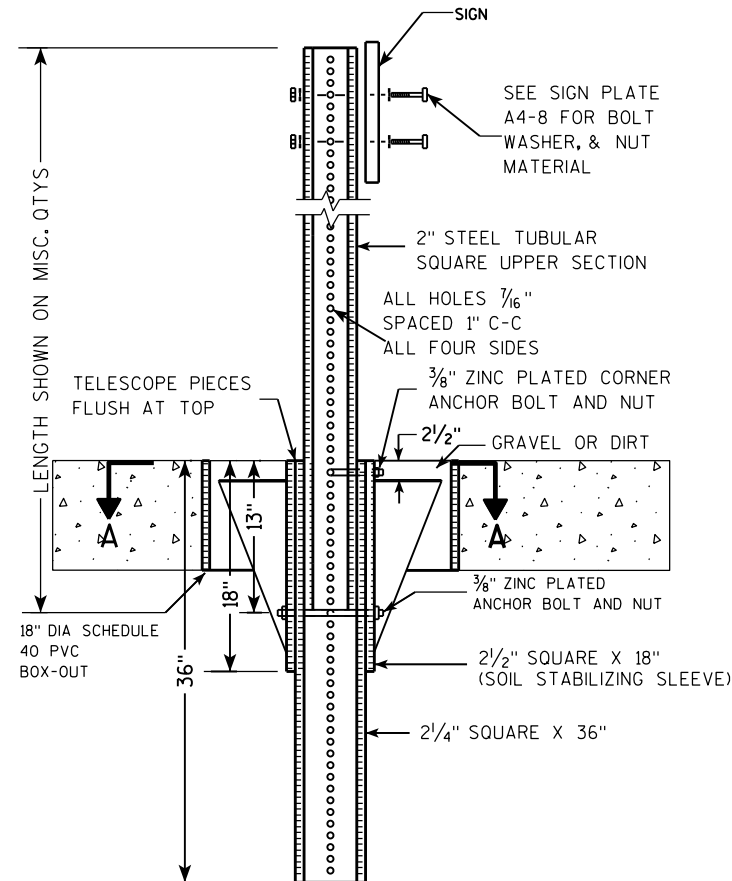
2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



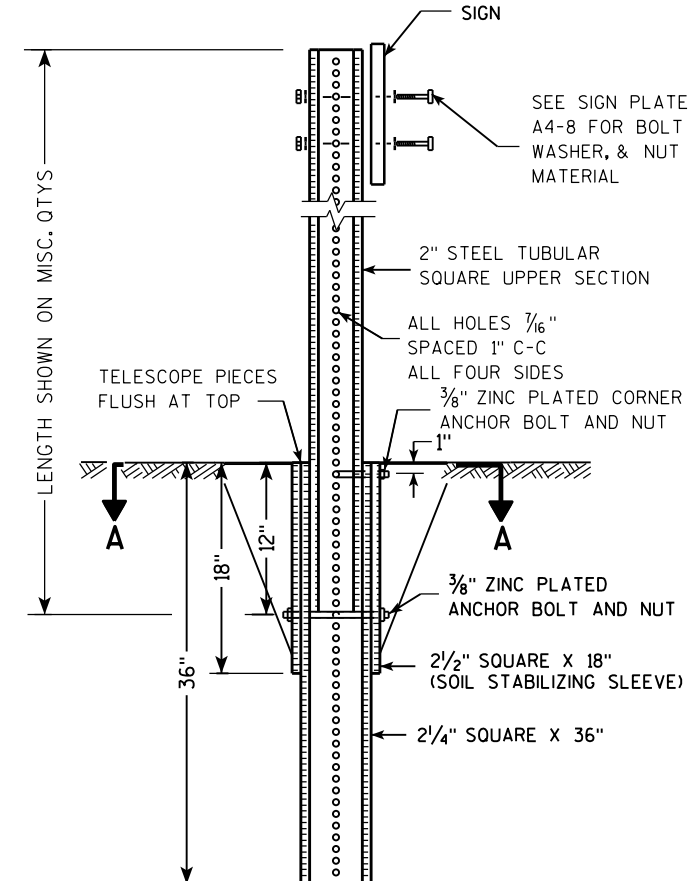
2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH



**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

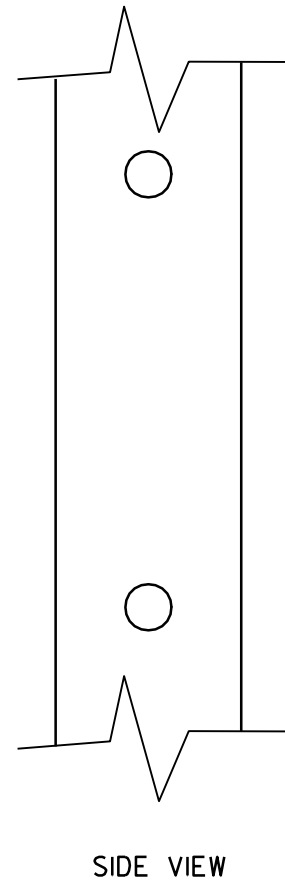
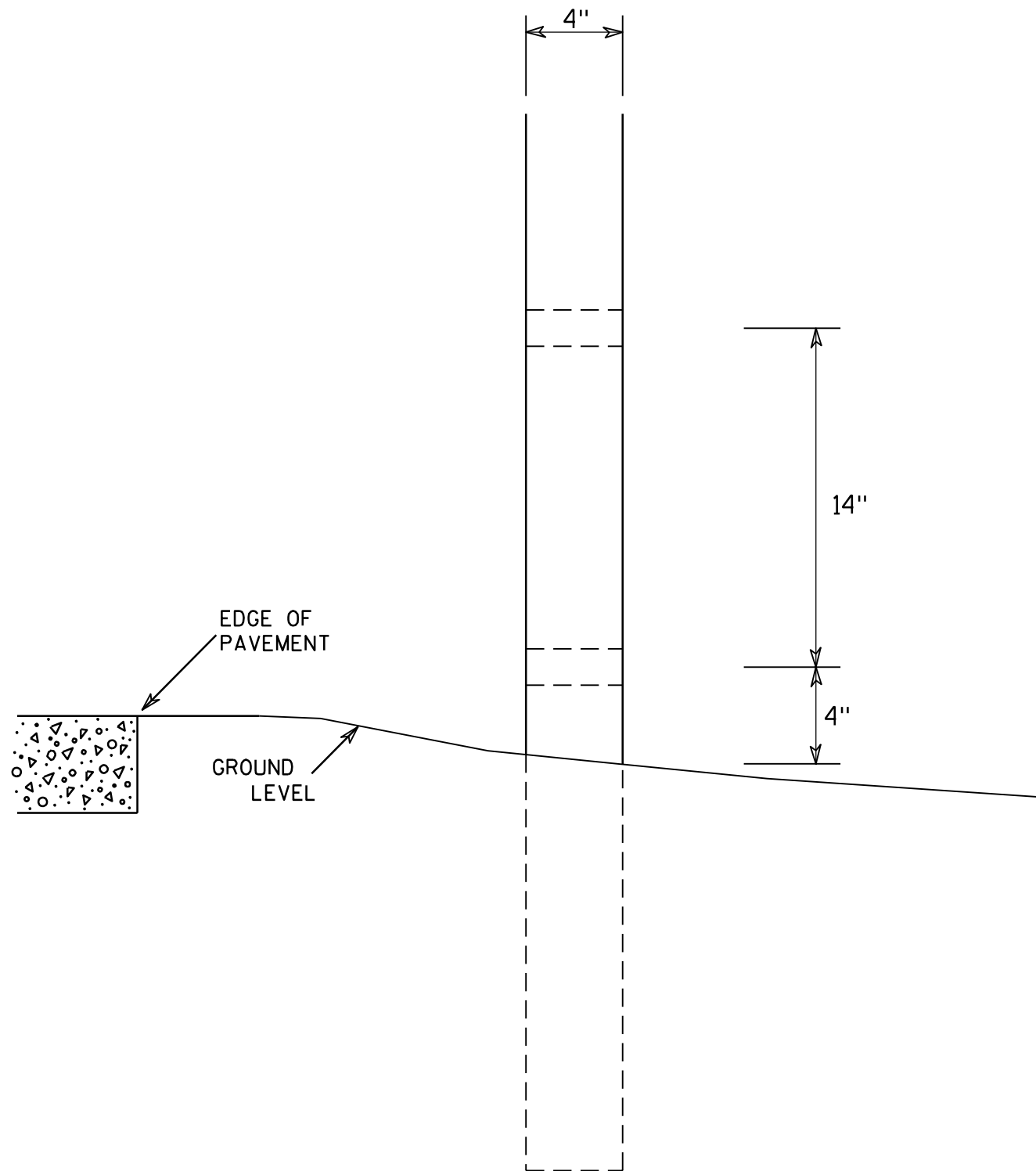
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E




GENERAL NOTES

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

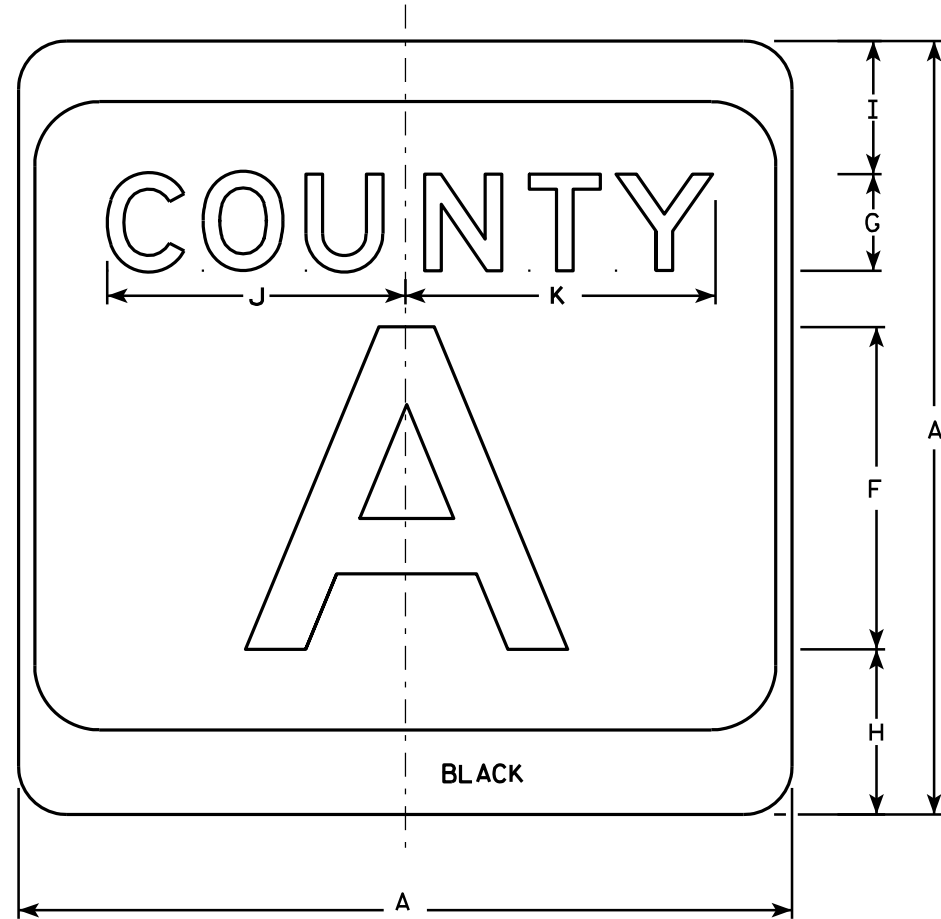
7

7

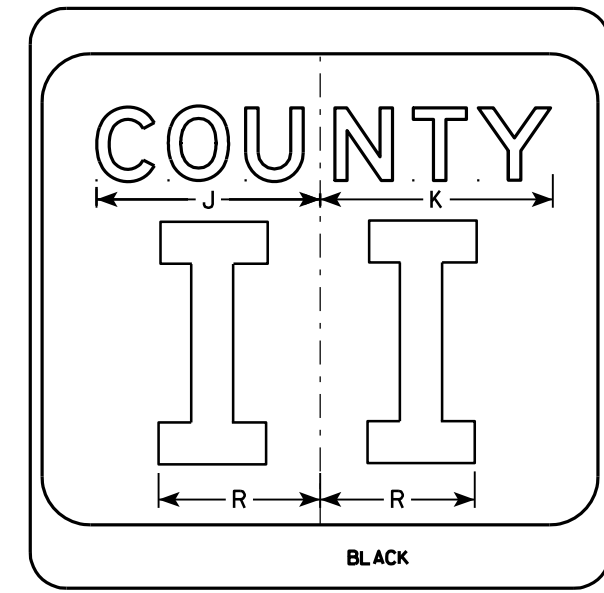
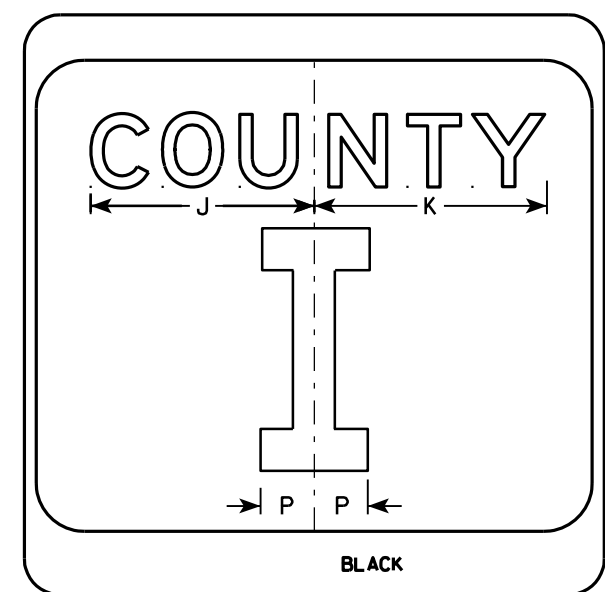
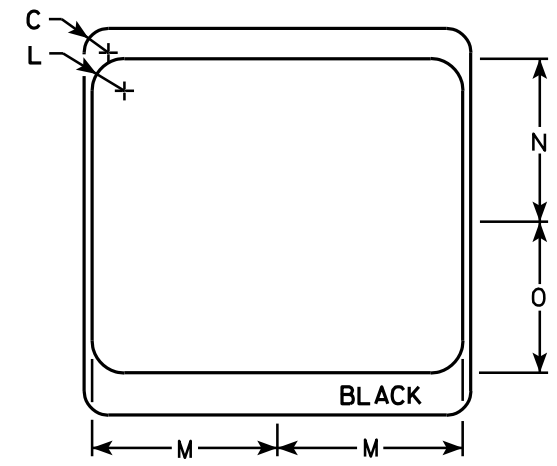
4 X 6 WOOD POST MODIFICATIONS	
<i>WISCONSIN DEPT OF TRANSPORTATION</i>	
APPROVED	 <i>for</i> State Traffic Engineer
DATE <u>3/27/97</u>	PLATE NO. <u>A4-11.2</u>

NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 7
Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
Message Series D for 2 letters unless message is too big then Series C.
Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective



M1-5A



7

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																											
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
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

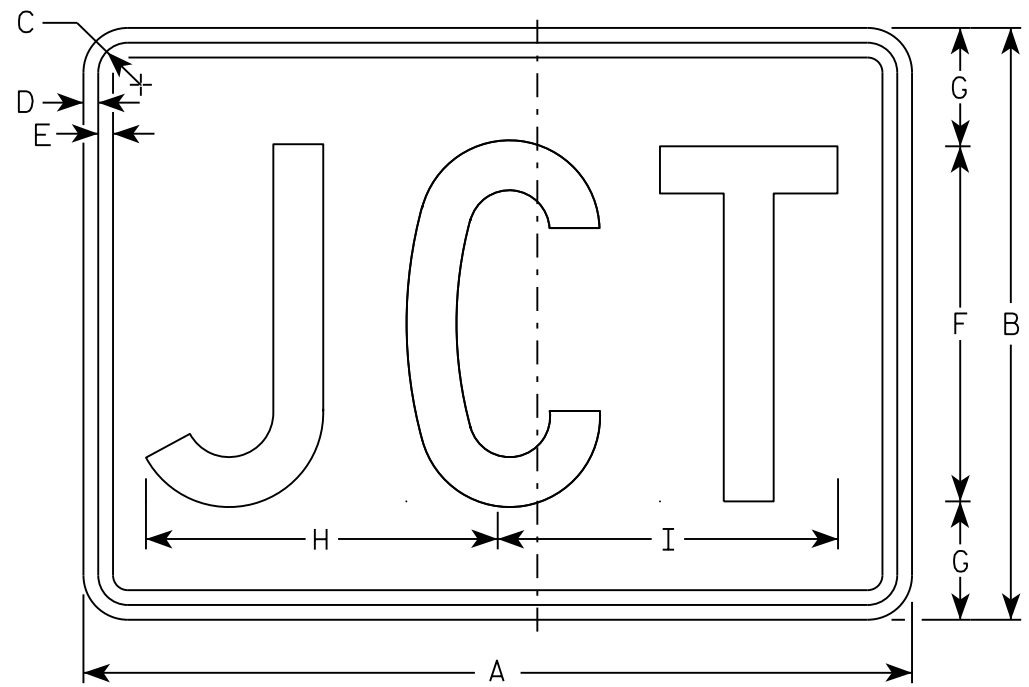
APPROVED *Matthew R. Raub*
For State Traffic Engineer

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

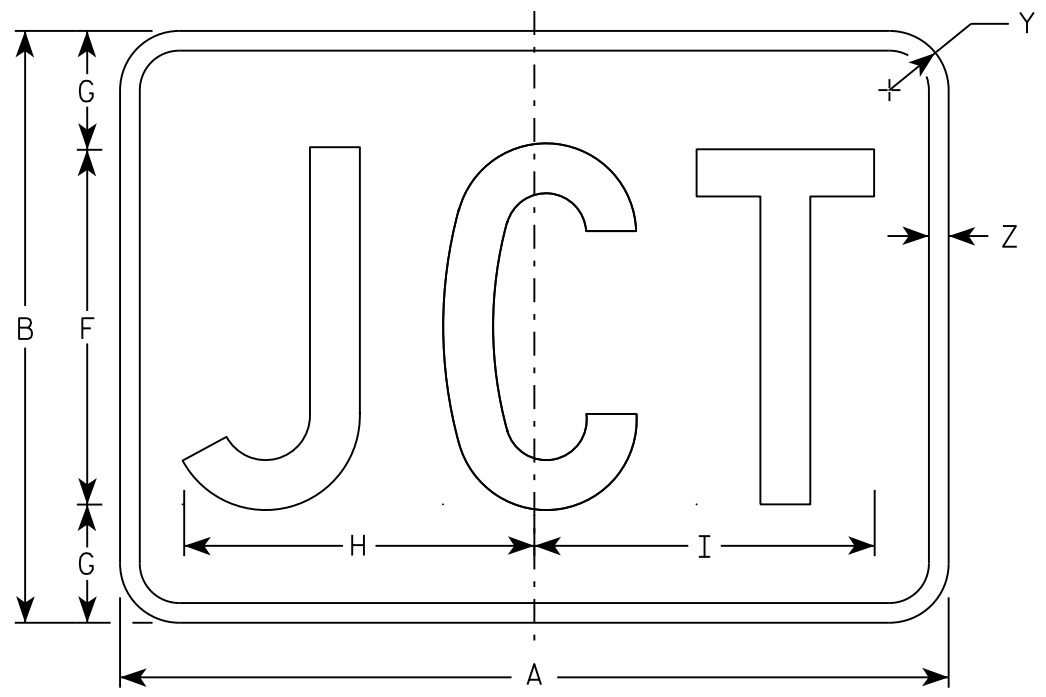
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

NOTES

1. Sign is Type II - Type H
2. Color:
 Background - See note 5
 Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
 Message - Black
 MB2-1 Background - Blue
 Message - White
 MK2-1 Background - Green
 Message - White
 MM2-1 Background - White
 Message - Green
 MN2-1 Background - Brown
 Message - White
 MP2-1 Background - White
 Message - Blue
 MR2-1 Background - Brown
 Message - Yellow



M2-1
MM2-1
MP2-1



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

7

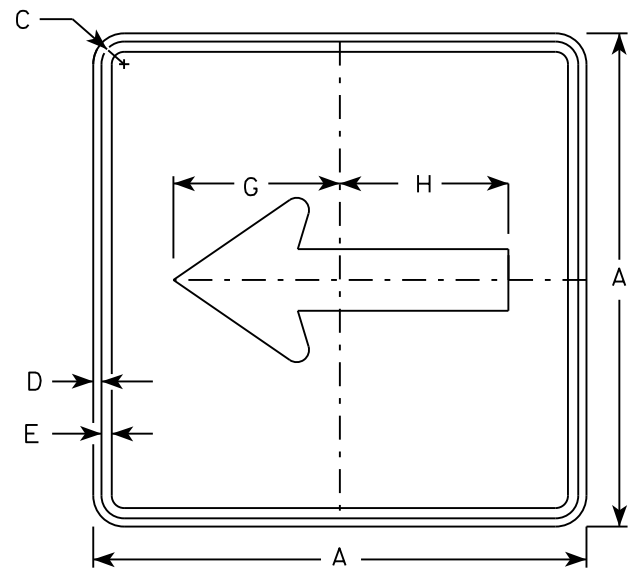
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2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

STANDARD SIGN
M2-1

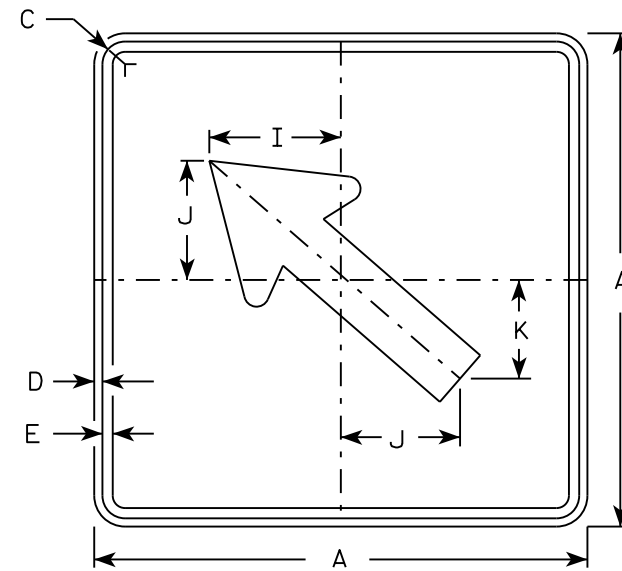
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

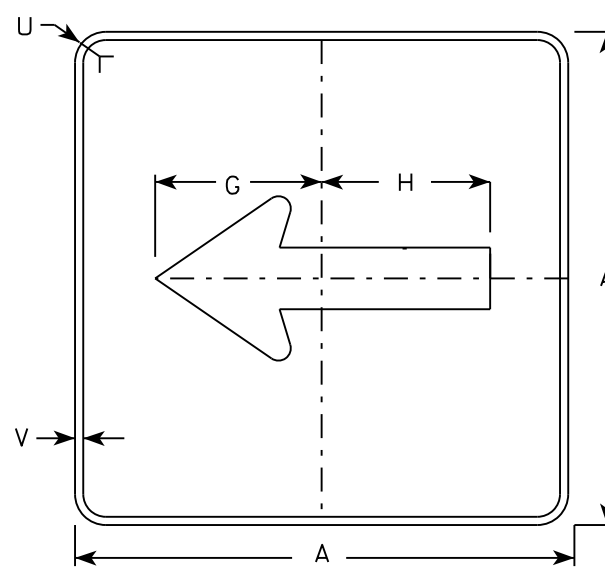
DATE 10/15/15 PLATE NO. M2-1.12



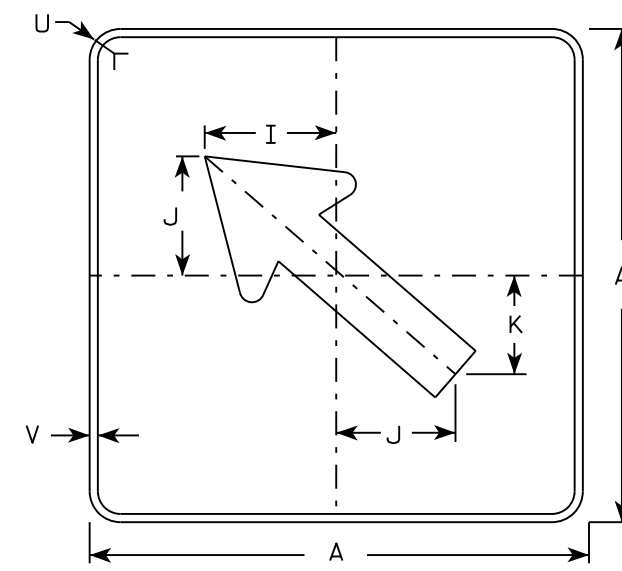
M6-1
MM6-1
M06-1
MP6-1



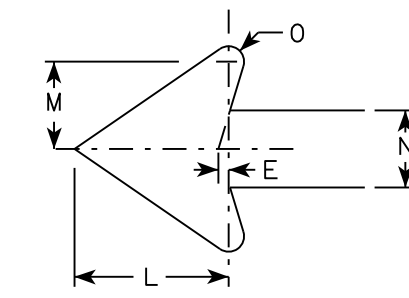
M6-2
MM6-2
M06-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



NOTES

- Signs are Type II - Type H 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

7

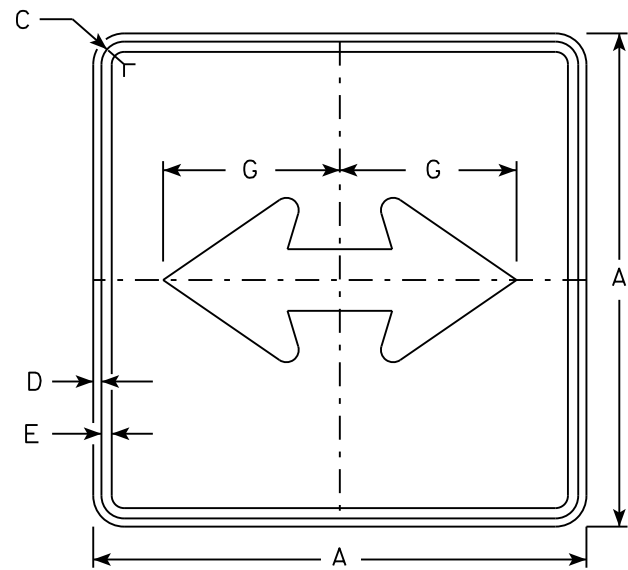
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10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

STANDARD SIGN
M6-1 & M6-2
SERIES

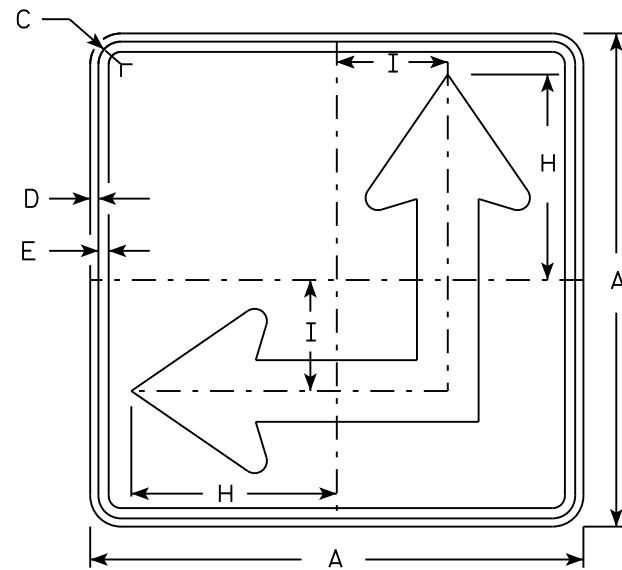
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

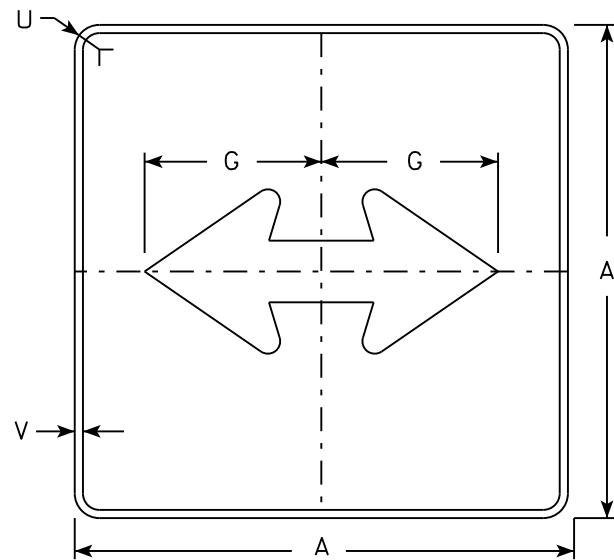
DATE 10/15/15 PLATE NO. M6-1.15



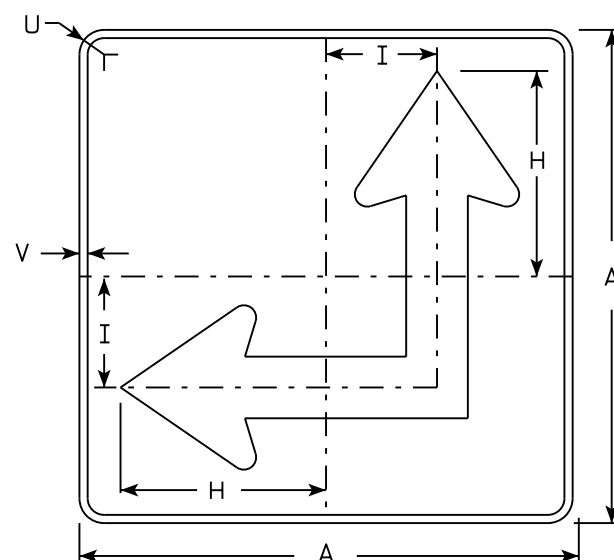
M6-4
MM6-4
M06-4
MP6-4



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



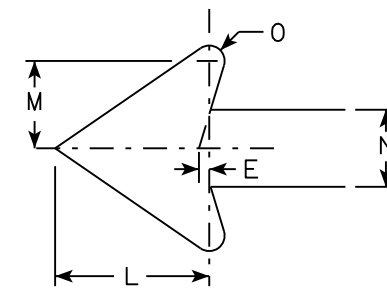
MB6-4
MK6-4
MN6-4
MR6-4



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

NOTES

- Signs are Type II - Type H 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.



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																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

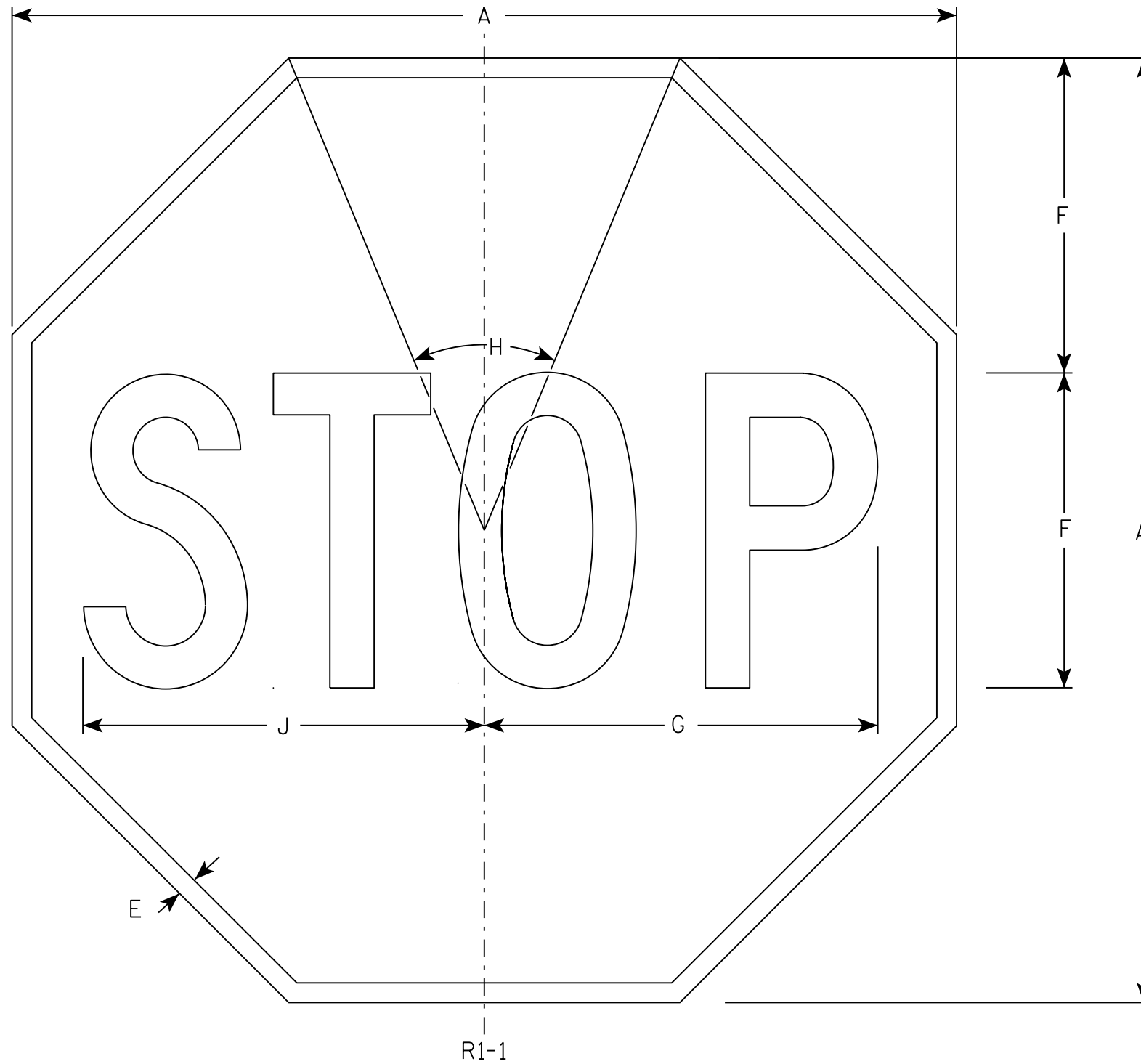
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-4.10

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

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				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

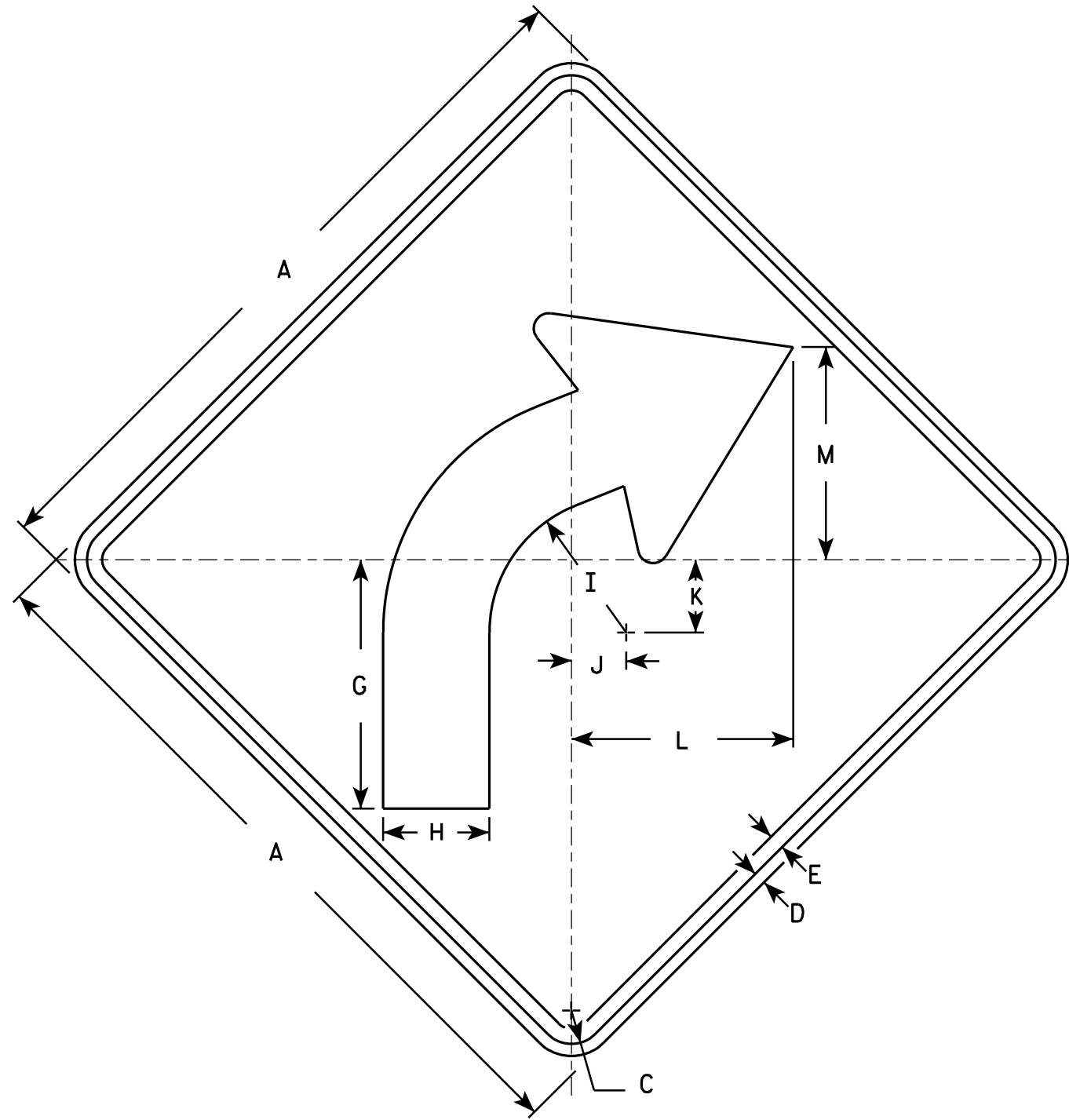
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

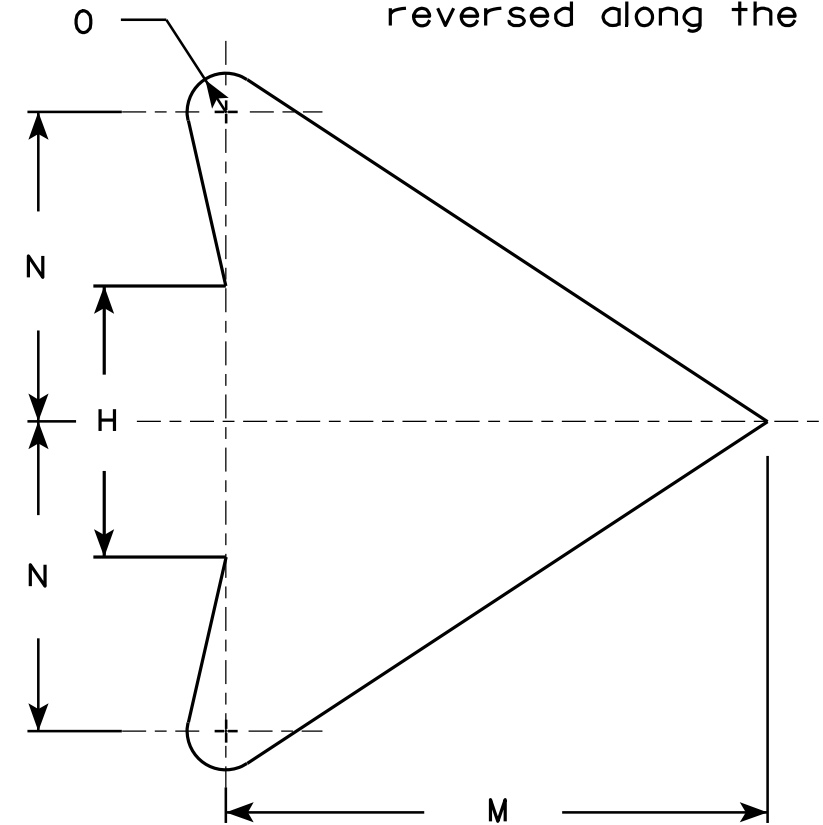
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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 1/8	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 3/8	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		1 5/8	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		1 5/8	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		1 5/8	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		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

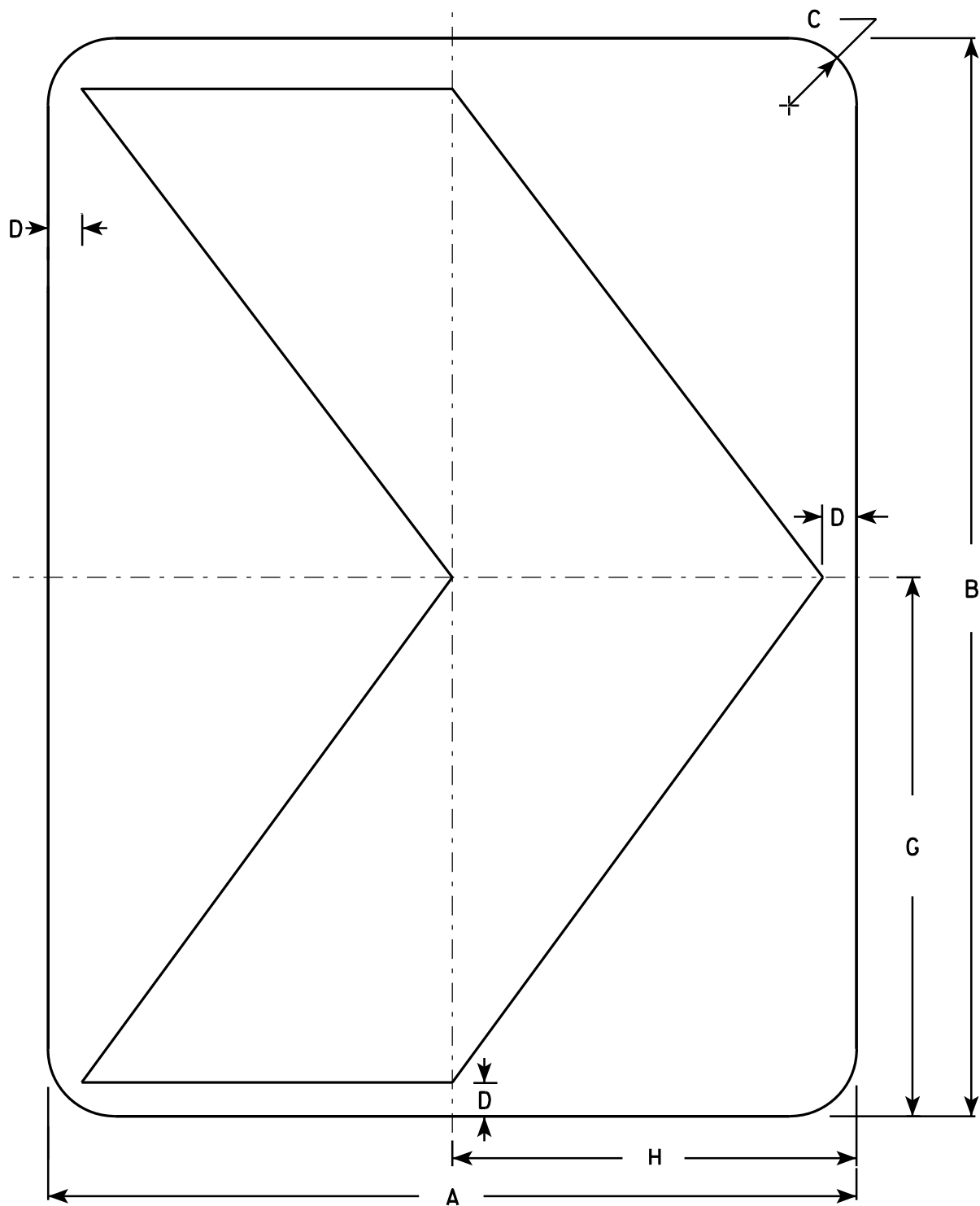
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



W1-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

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	12	18	1 1/2	1/2			9	6																			1.5
2S	18	24	1 1/2	3/4			12	9																			3.0
2M	18	24	1 1/2	3/4			12	9																			3.0
3	24	30	1 1/2	1			15	12																			5.0
4	30	36	1 7/8	1 1/4			18	15																			7.5
5	36	48	2 1/4	1 1/2			24	18																			12.0

STANDARD SIGN
W1-8

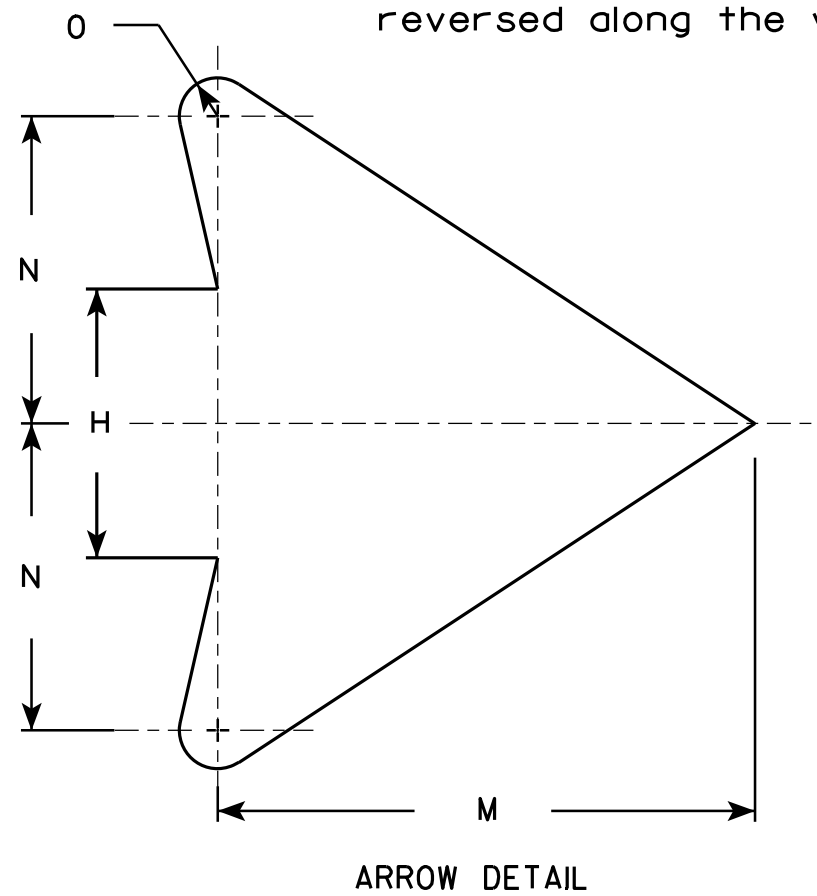
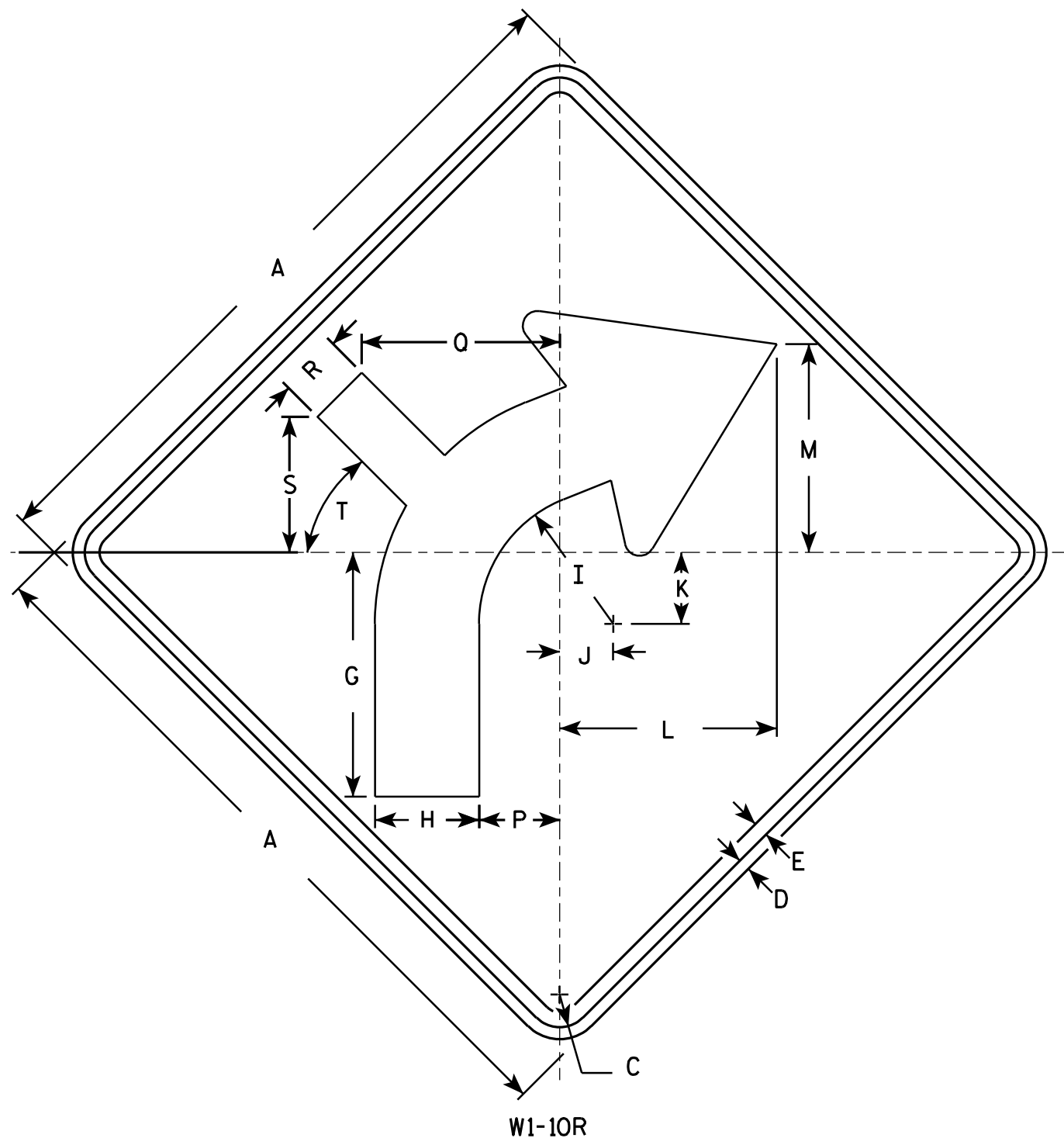
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-10L is the same as W1-10R except the arrow is reversed along the vertical centerline.



7

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 1/8	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	2 5/8	6 5/8	2 1/8	4 1/2	45°							4.0
2S	30		1 3/8	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	3 3/8	8 3/8	2 5/8	5 3/4	45°							6.25
2M	36		1 5/8	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	4	10	3 1/4	6 7/8	45°							9.0
3	36		1 5/8	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	4	10	3 1/4	6 7/8	45°							9.0
4	36		1 5/8	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	4	10	3 1/4	6 7/8	45°							9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1	5 3/8	13 1/4	4 1/4	9 1/8	45°							16.0

STANDARD SIGN
W1-10

WISCONSIN DEPT OF TRANSPORTATION

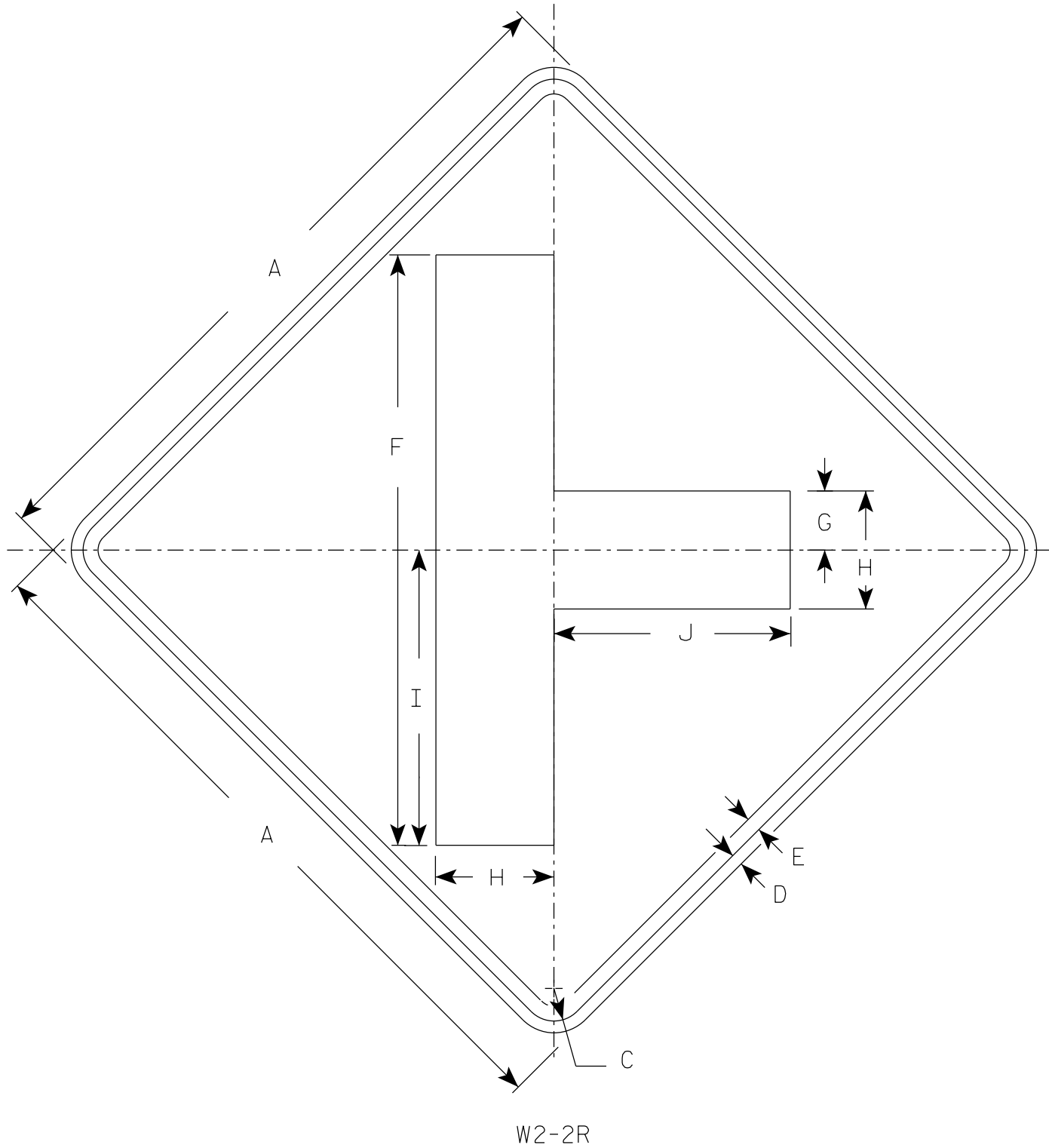
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-10.3

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ E

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.



W2-2R

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 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

STANDARD SIGN
W2-2 L&R

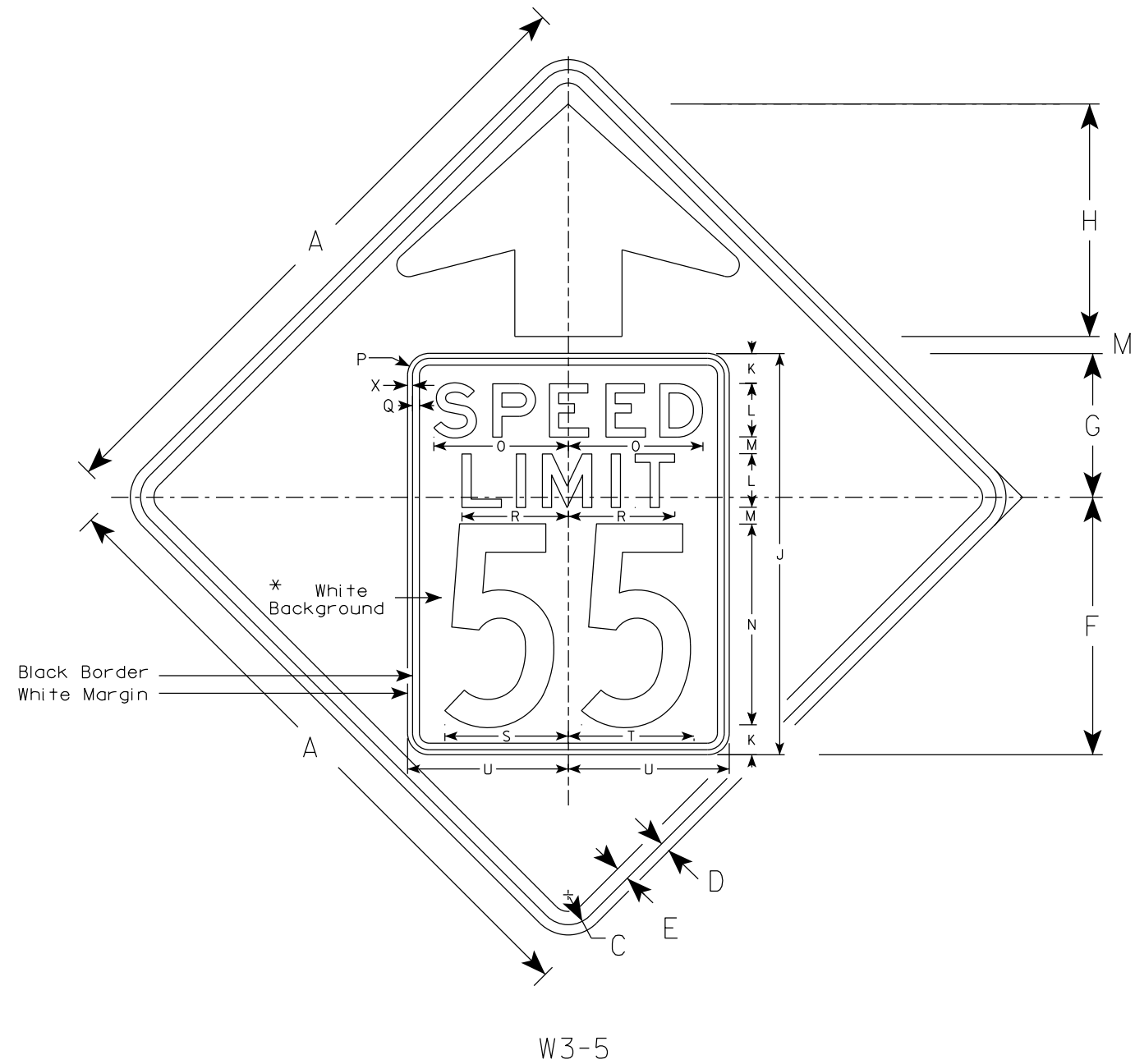
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 11/18/2021 PLATE NO. W2-2.7

7

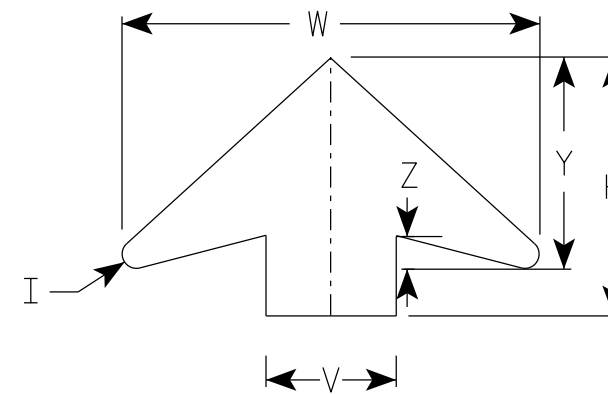
7



NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
Background - Yellow* (Type F Reflective)
Message - Black
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)



ARROW DETAIL

W3-5

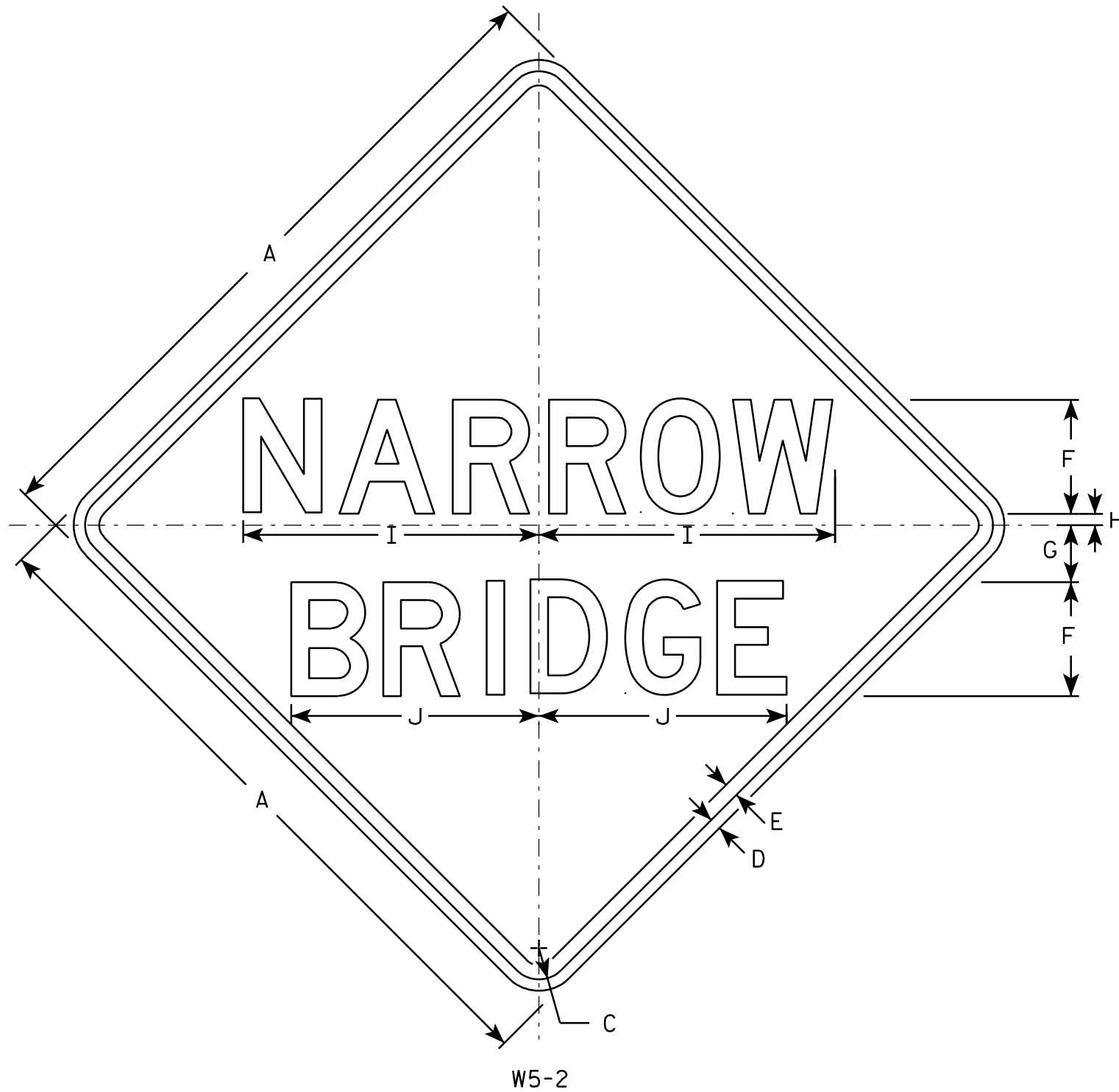
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. W3-5.6



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

W5-2

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 3/8	1/2	5/8	5	2 1/2	1/2	13	10 1/8																	6.25
2S	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
2M	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
3	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
4	48		2 1/4	3/4	1	8	4	3/4	20 3/4	17 3/8																	16.0
5																											

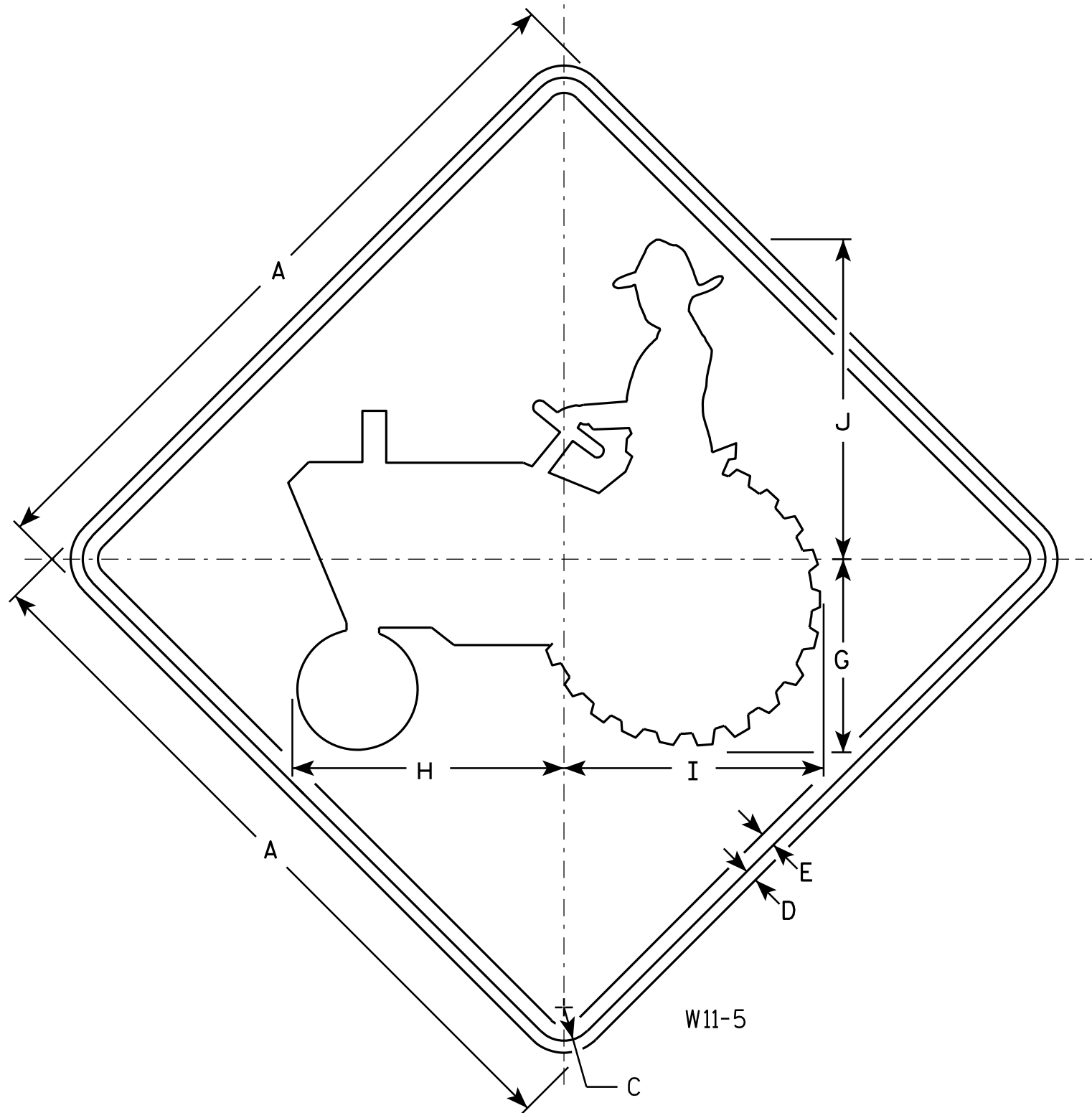
STANDARD SIGN
W5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W5-2.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

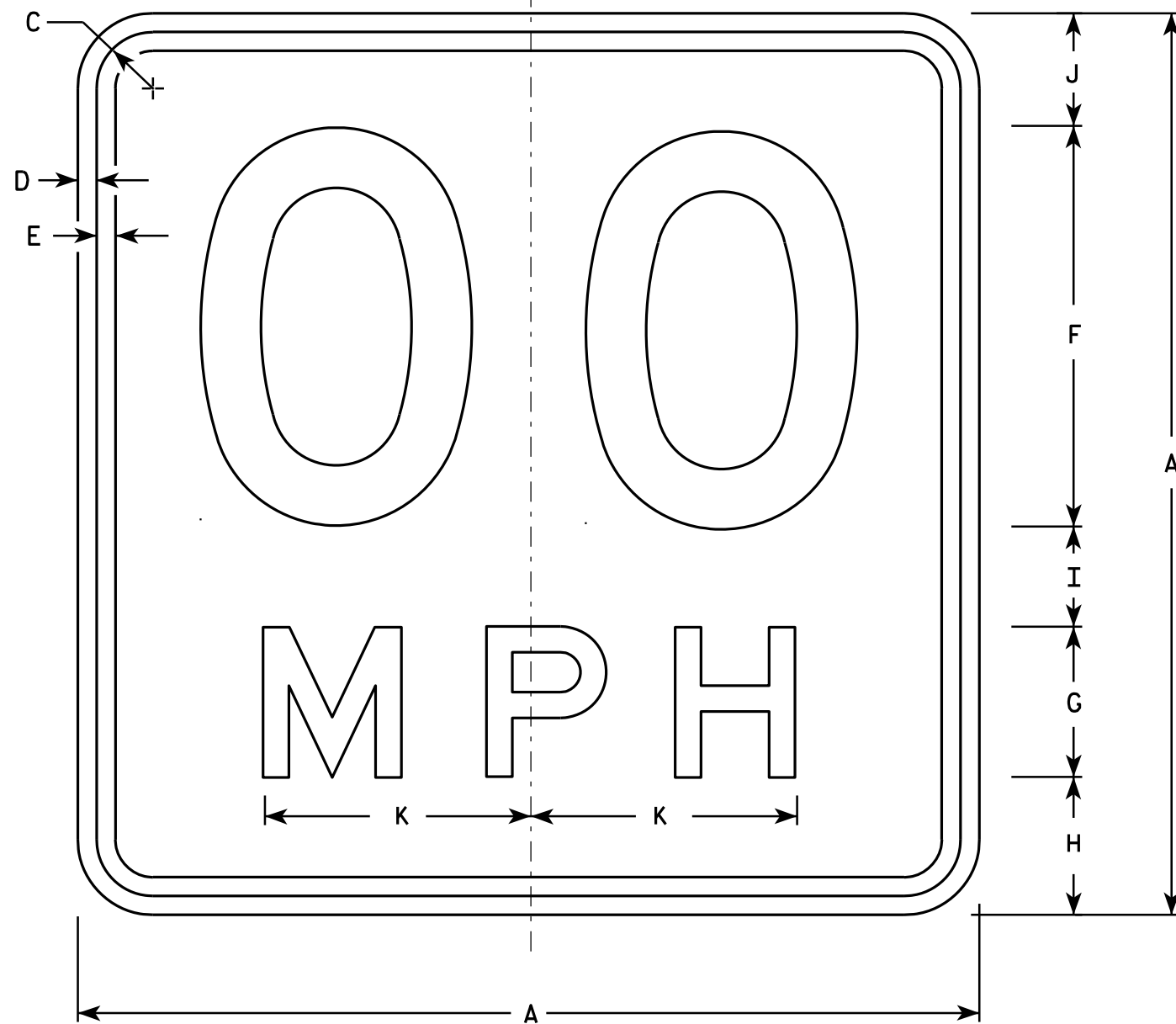
W11-5

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 1/8	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0
2S	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
2M	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
3																											
4	36		1 5/8	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0
5	48		2 1/4	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0

STANDARD SIGN
W11-5

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
State Traffic Engineer
DATE 3/13/13 PLATE NO. W11-5.6

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
Line 2 is Series E

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.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	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 5/31/12 PLATE NO. W13-1.16

PROJECT NO:

HWY:

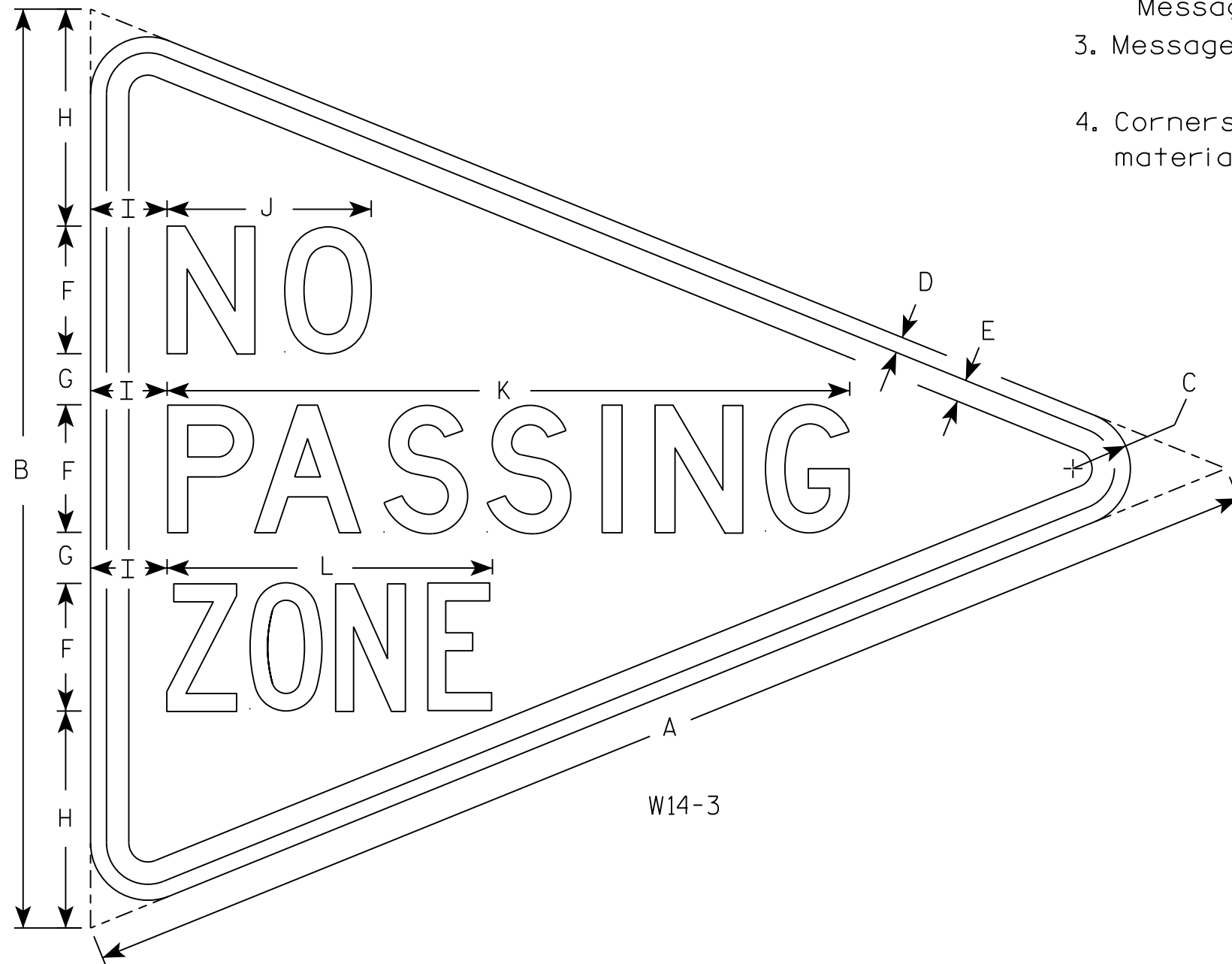
COUNTY:

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.



7

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	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

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**

Notes



Wisconsin Department of Transportation

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