WKE

PROJECT ID: 3755-03-70

WITH: N/A

COUNTY: RACINE

MAY 2022
ORDER OF SHEETS

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

TOTAL SHEETS = 92

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V ROCHESTER CTH D

WALWORTH COUNTY LINE TO STH 20

CTH D
RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3755-03-70	WISC 2022394	1

STATE PROJECT NUMBER
3755-03-70

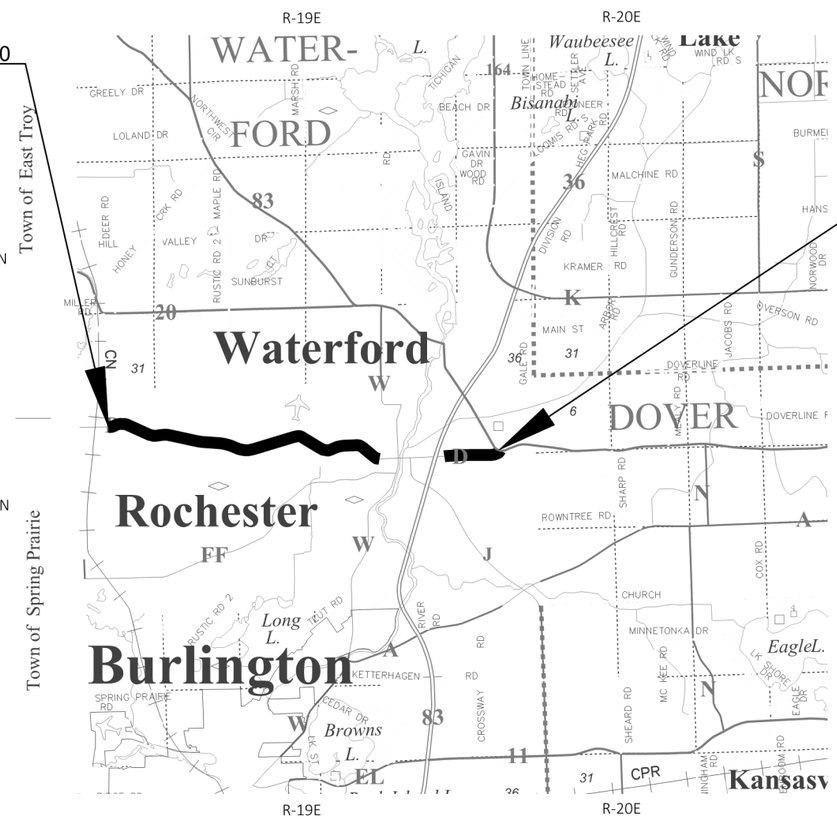
19

N

DESIGN DESIGNATION			WALWORTH CO. LINE TO HERITAGE RD	HERITAGE RD TO STATE ST	STH 83 TO STH 20
A.A.D.T.	2017	=	2600	2300	2400
A.A.D.T.	2042	=	3120	2760	2880
D.H.V.		=	294	250	272
D.D.		=	62/38	62/38	62/38
T.		=	4.1%	4.1%	4.1%
DESIGN SPEED		=	45 MPH	45 MPH	45 MPH
~~ESALS~~		=	-	-	-

BEGIN PROJECT 3755-03-70
STA. 16+00.00
Y = 194030.81
X = 500826.31

END PROJECT 3755-03-70
STA. 302+17.48



LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000

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

CONVENTIONAL SYMBOLS

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

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

ACCEPTED FOR

RACINE of COUNTY

Alex Valley
2/1/22 (Date)
Engineering Manager (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

GRAEF 275 W. Wisconsin Avenue, Suite 300 Milwaukee, WI 53203

WISCONSIN
BENJAMIN M MCGILLICUDDY
E-47078
MILWAUKEE
WI
PROFESSIONAL ENGINEER

DATE: 02/01/2022 (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	N/A
Designer	GRAEF
Project Manager	MICHAEL BAIRD
Regional Examiner	
Regional Supervisor	JEFF BOHEN

APPROVED FOR THE DEPARTMENT

DATE: 2/1/2022 (Signature)

E

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE LOCATION OF KNOWN EXISTING UTILITIES IN THE VICINITY OF THE PROJECT ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITIES IN THE AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY PRIVATE OR LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

INDEX OF TYPICAL SECTION AND DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
PLAN DETAILS
PERMANENT SIGNING AND MARKING
TRAFFIC CONTROL
ALIGNMENT LAYOUT

STANDARD ABBREVIATIONS

AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CY	CUBIC-YARD
D	DEGREE OF CURVE
EOP	EDGE OF PAVEMENT
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
PAVT	PAVEMENT
PC	POINT-OF-CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RAD	RADIUS
RT	RIGHT
SDD	STANDARD DETAIL DRAWING
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH

RACINE COUNTY

PROJECT MANAGER
MR. ALEX VALLEY
14200 WASHINGTON AVENUE
STURTEVANT, WI 53177-1253
(262) 886-8440
ALEXANDER.VALLEY@RACINCECOUNTY.COM

DESIGN CONTACT

GRAEF
MR. BEN MCGILLICUDDY
275 WEST WISCONSIN AVENUE
SUITE 300
MILWAUKEE, WI 53203
(414) 266-9037
BEN.MCGILLICUDDY@GRAEF-USA.COM

WISDOT

PROJECT MANAGER
MR. MICHAEL BAIRD
141 NW BARSTOW STREET
WAUKESHA, WI 531877
(262) 548-5918
MICHAEL.BAIRD@DOT.WI.GOV

WISDOT SIGNALS OPERATIONS
141 NW BARSTOW STREET
WAUKESHA, WI 53187
(414) 750-2605

WISDOT ELECTRICAL FIELD UNIT:
935 S. 60TH STREET
WEST ALLIS, WI 53214
(414) 266-1170

DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES
MR. BENTON STELZEL
141 NW BARSTOW STREET #180
WAUKESHA, WI 531878
(262) 623-0194
BENTON.STELZEL@WISCONSIN.GOV

SEWRPC

ATTN: ROB MERRY (CHIEF SURVEYOR)
SOUTHEASTERN REGIONAL PLANNING COMMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289
CELL: (920) 912-1036
RMERRY@SEWRPC.ORG

UTILITIES

SPECTRUM
GERALD SCHULTZ
1320 N DR MARTIN LUTHER KING JR DRIVE
MILWAUKEE, WI 53212
OFFICE: (414) 908-4863
CELL: (414) 232-7178
GERALD.SCHULTZ@CHARTER.COM

TDS TELECOMMUNICATIONS
JASON KENNY
525 JUNCTION ROAD
MADISON, WI 53717
(262) 514-2127
JASON.KENNY@TDSTELECOM.COM

WE ENERGIES - ELECTRIC
MR. JAMES NELSON
7815 NORTHWESTERN AVE
RACINE, WI 53406
OFFICE: (262) 884-6734
CELL: (414) 315-1189
JAMES.NELSON@WE-ENERGIES.COM
WE ENERGIES ELECTRIC DISPATCH
1-800-662-4797

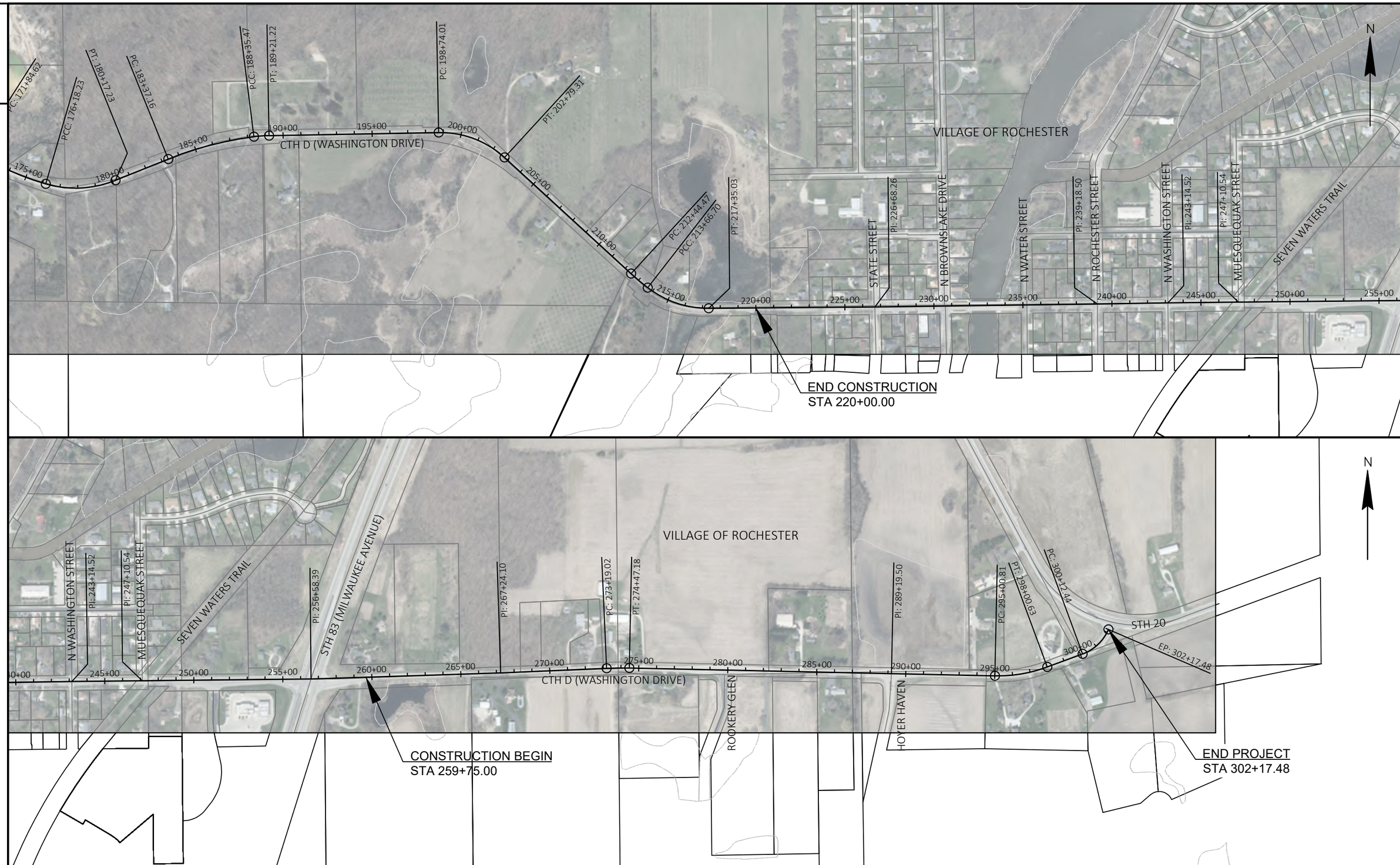
WE ENERGIES - GAS UTILITY
ANDREW SCHARA
OFFICE: (414) 751-7206
CELL: (414) 218-5507
ANDREW.SCHARA@WE-ENERGIES.COM
WE ENERGIES GAS DISPATCH
1-800-261-5325

WINDSTREAM
MS. LORI KETTER
314 N DANZ AVENUE
GREEN BAY, WI 54302-3526
OFFICE: (414) 214-9275
LORI.KETTER@WINDSTREAM.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 20201_po
PLOT DATE : 1/6/2022 3:21 PM
PLOT BY : MCGILLICUDDY, BEN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 4	E

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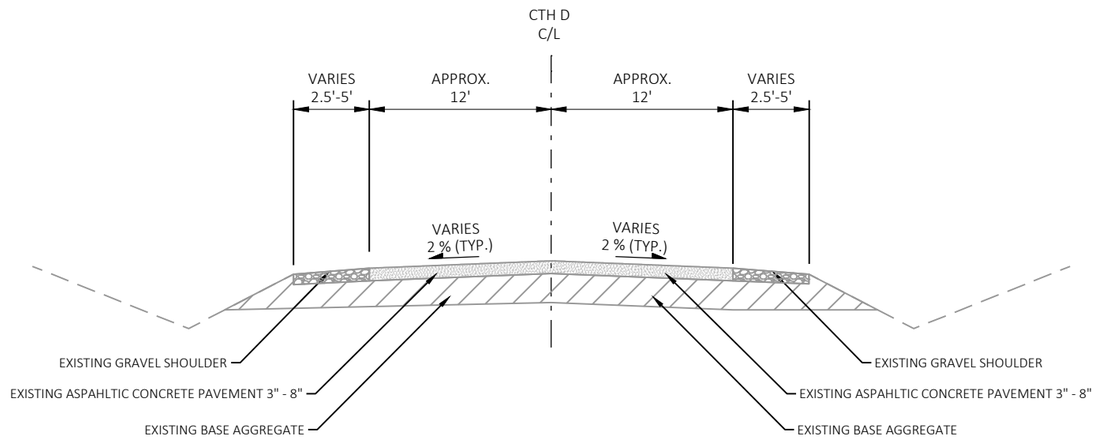
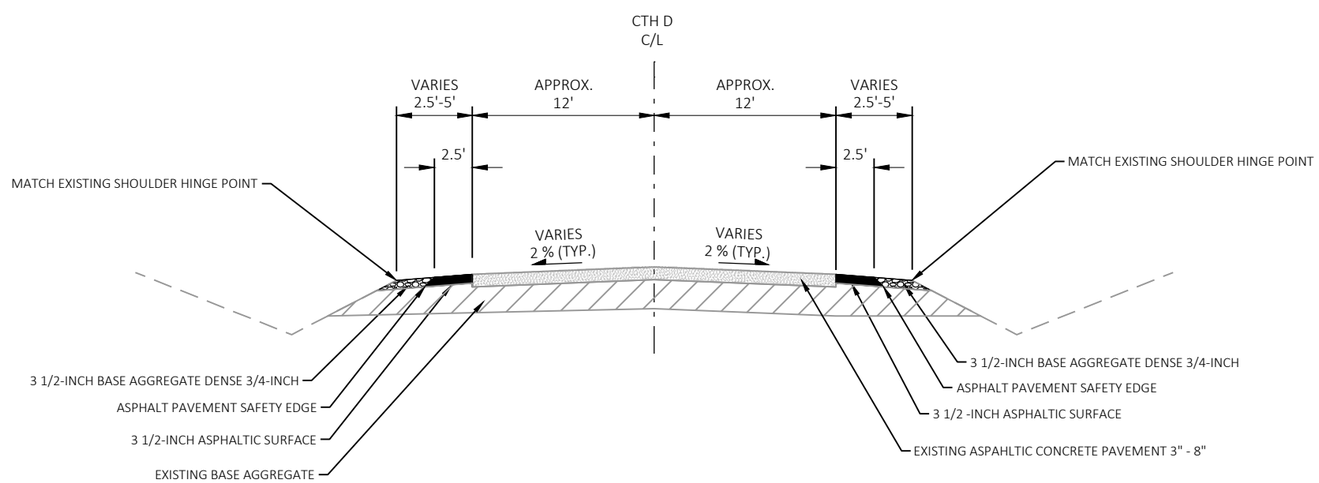
LAYOUT NAME - 20202_po
PLOT DATE : 1/6/2022 3:21 PM
PLOT BY : MCGILLICUDDY, BEN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44



TYPICAL EXISTING SECTION WASHINGTON DRIVE (CTH D)

STA. 48+00 TO STA. 54+00



TYPICAL PROPOSED SECTION WASHINGTON DRIVE (CTH D)

STA. 48+00 TO STA. 54+00

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 6	E

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 7	E

MATCH LINE 0+00
2.5'
12'
12'
2.5'
51+00
52+00
53+00
54+00
55+00
56+00
CTH D (WASHINGTON DRIVE)
PI: 52+98.15
PC: 56+06.81
AS
AS
U
10:1
TAPER
10:1
TAPER
MATCH EXISTING
AGGREGATE SHOULDER HINGE POINT
WETLAND BOUNDARY
MATCH LINE 0+00
LEGEND
AS 3.5" ASPHALTIC SURFACE
F REMOVAL & DISPOSAL OF WOODEN FENCE POSTS
M REMOVAL & DISPOSAL OF LANDSCAPE MONUMENTS
U UTILITY POLE TO BE RELOCATED BY OTHERS
CLEARING & GRUBBING (I.D.)
CLEARING & GRUBBING (SY)

2

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 9	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 21204_pd
PLOT DATE : 1/26/2022 10:42 AM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 10	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 21205_pd
PLOT DATE : 1/26/2022 10:42 AM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 11	E

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 12	E

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 13	E

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 14	E

LEGEND

- AS — 3.5" ASPHALTIC SURFACE
- F — REMOVAL & DISPOSAL OF WOODEN FENCE POSTS
- M — REMOVAL & DISPOSAL OF LANDSCAPE MONUMENTS
- U — UTILITY POLE TO BE RELOCATED BY OTHERS
- CLEARING & GRUBBING (I.D.)
- CLEARING & GRUBBING (SY)

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 15	E

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 16	E

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 17	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 21212_pd
PLOT DATE : 1/26/2022 10:43 AM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 18	E

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 19	E

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 20	E

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 21	E

2

2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 22	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 21217_pd
PLOT DATE : 1/26/2022 10:43 AM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

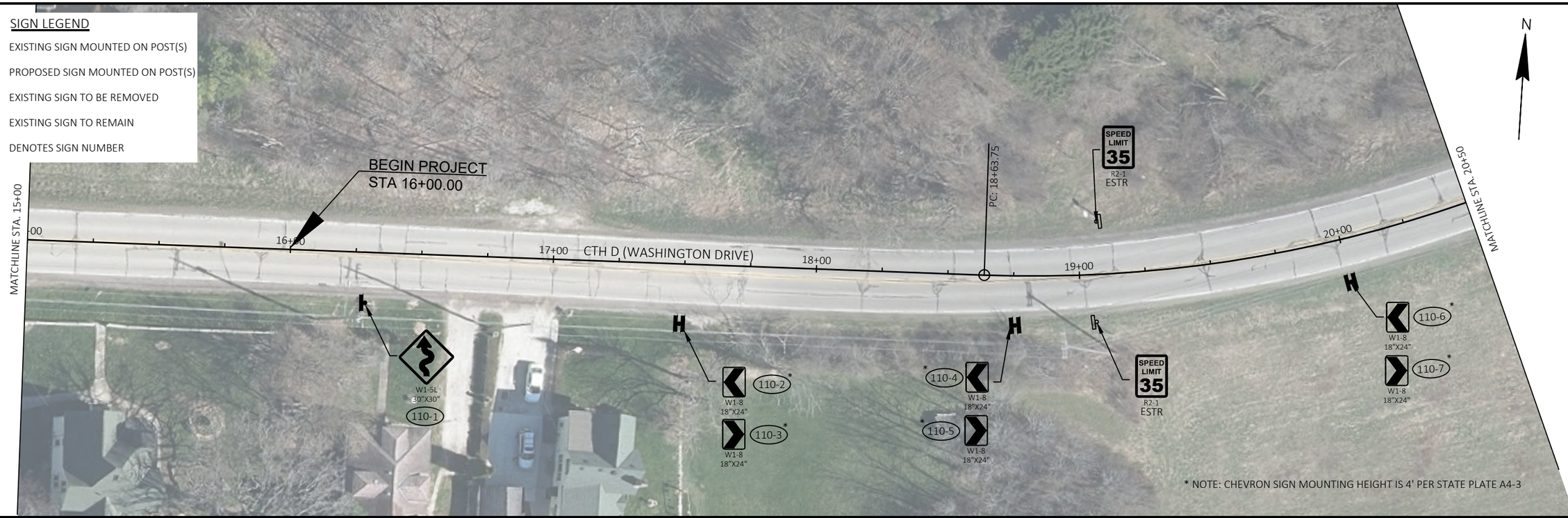
2

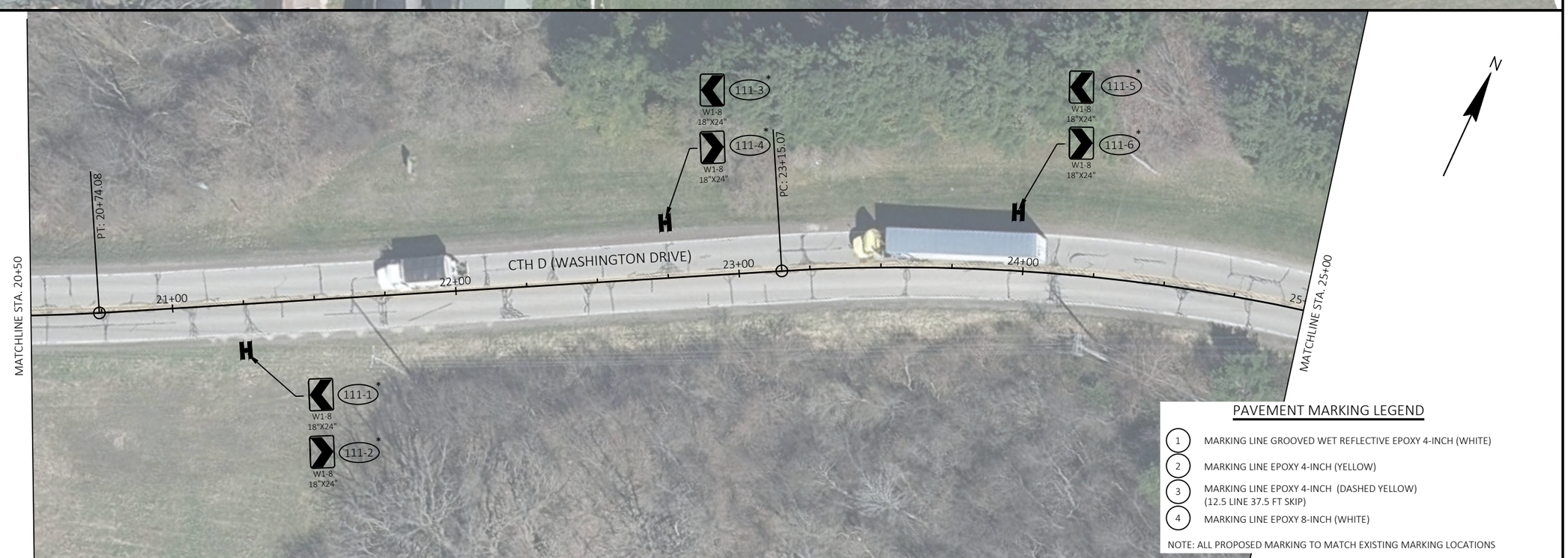
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PLAN DETAILS	SHEET 23	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

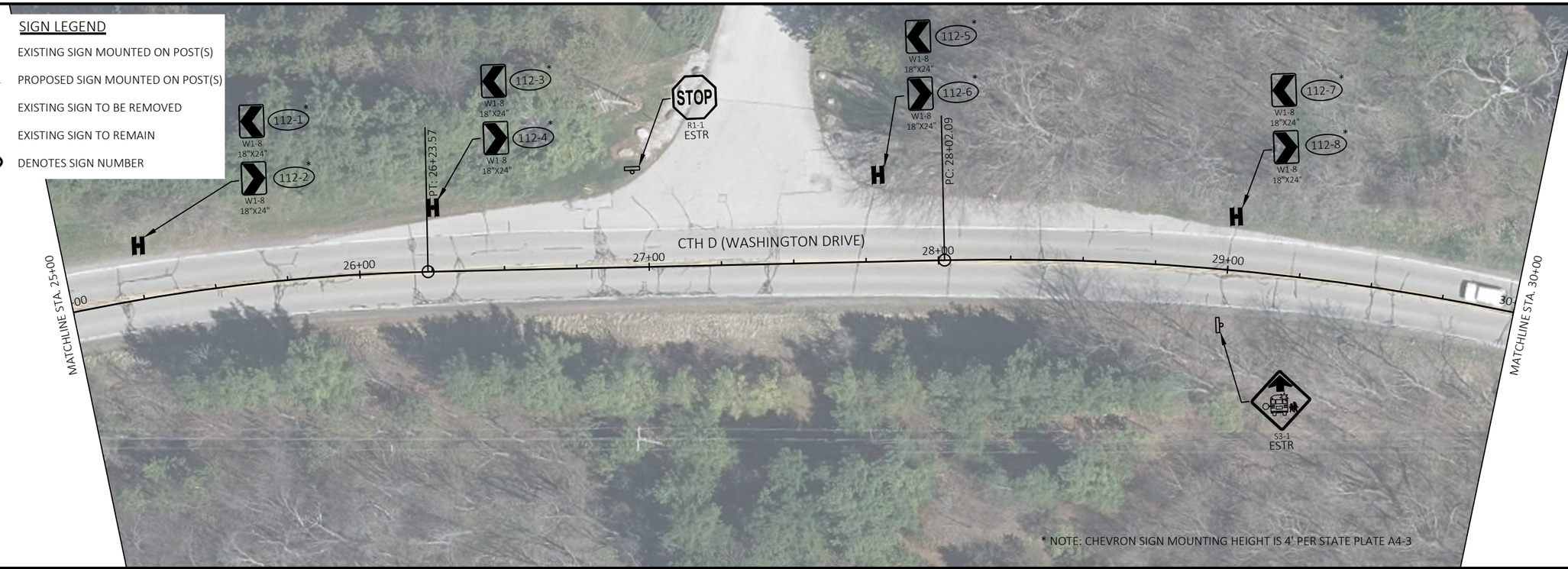
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 24	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023201_ps
PLOT DATE : 3/8/2022 4:33 PM
PLOT BY : MCGILLICUDDY, BEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

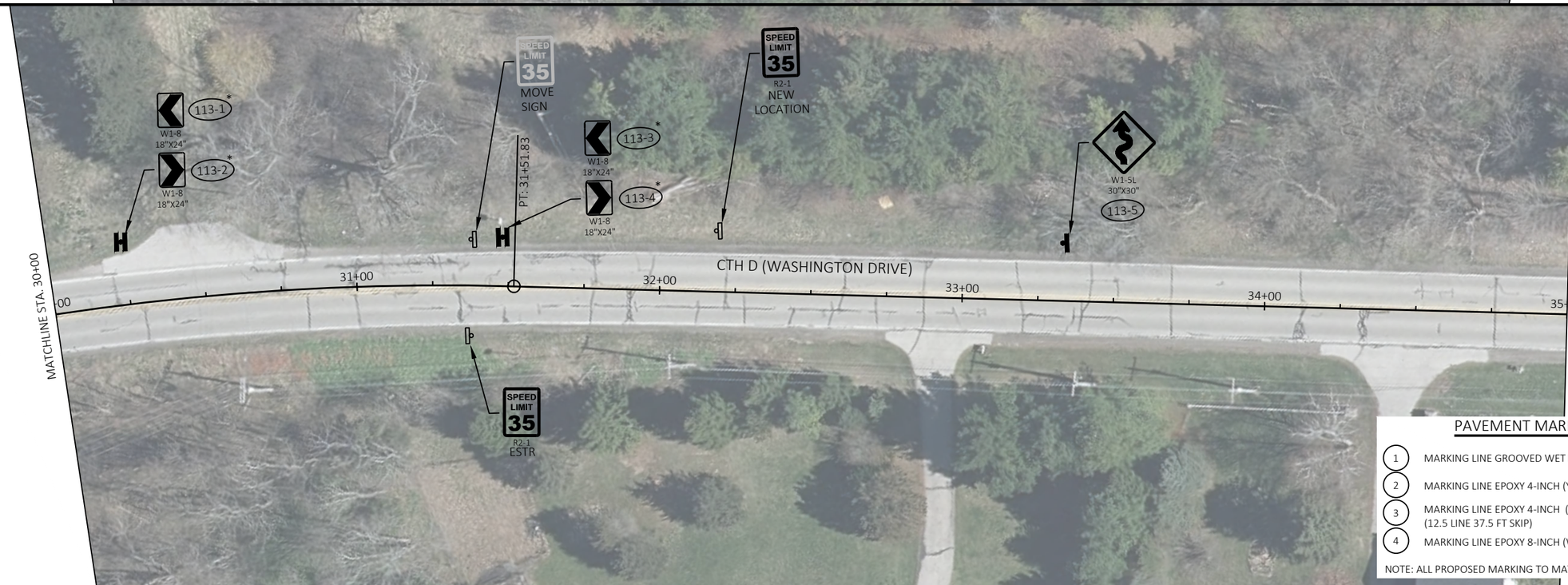
SIGN LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
REMOVE	EXISTING SIGN TO BE REMOVED
ESTR	EXISTING SIGN TO REMAIN
XXX	DENOTES SIGN NUMBER



* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

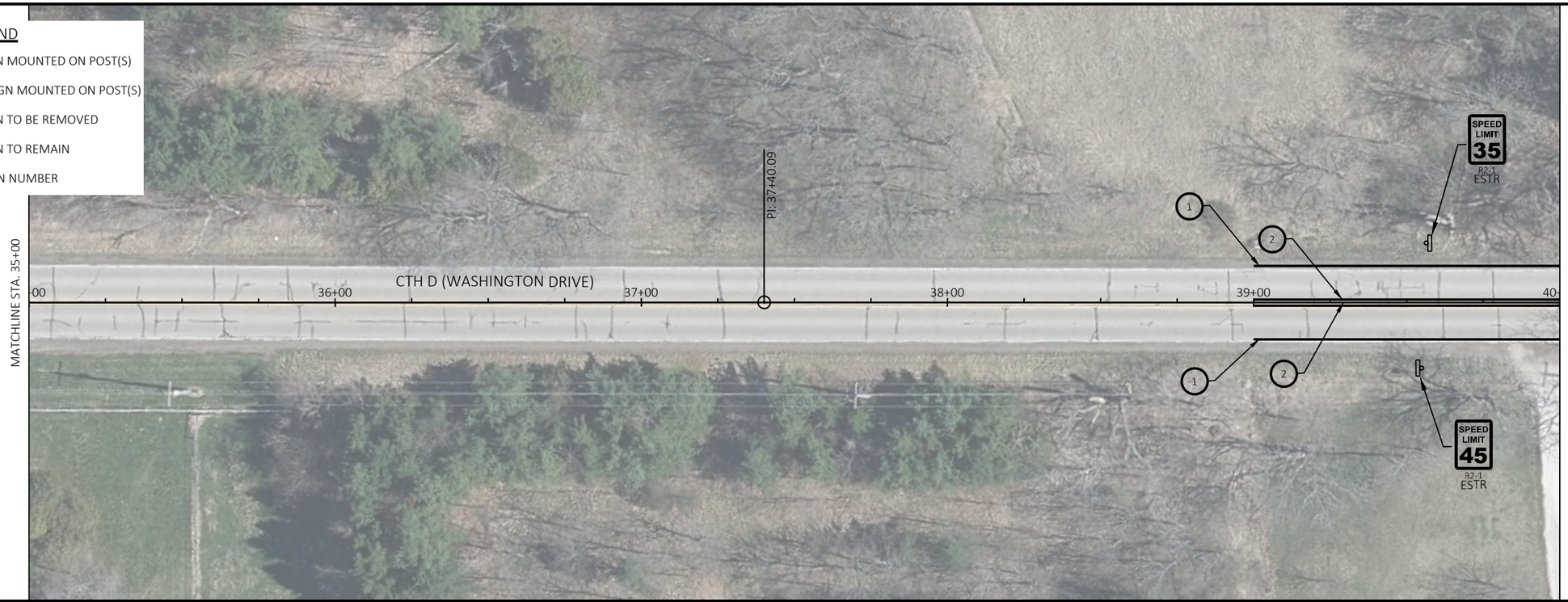
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

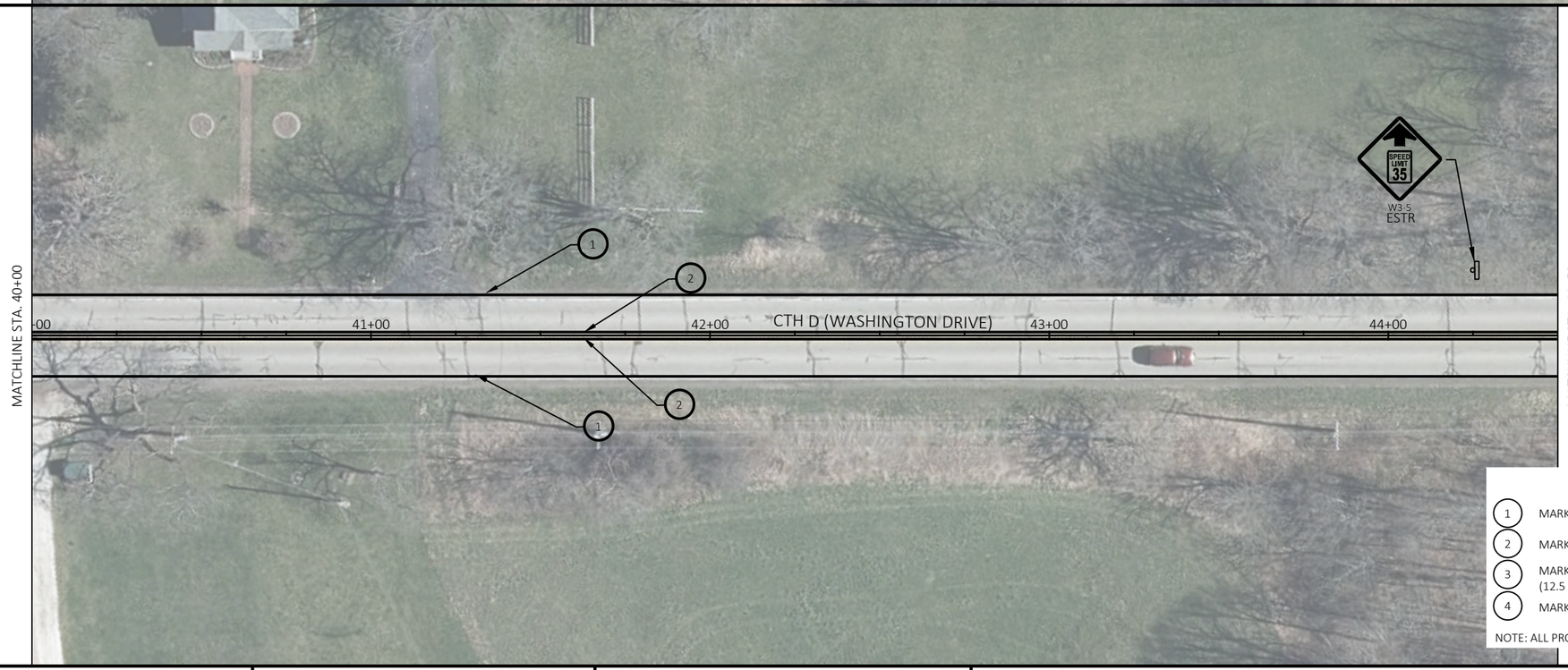
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 25	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

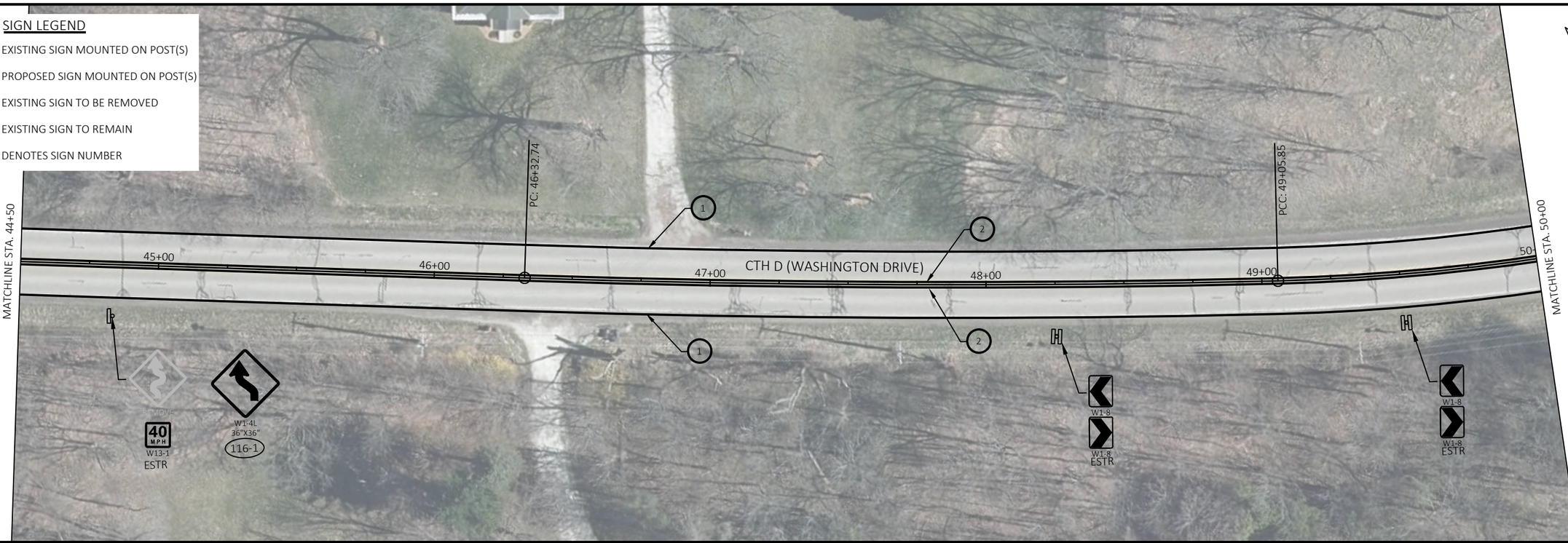
1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

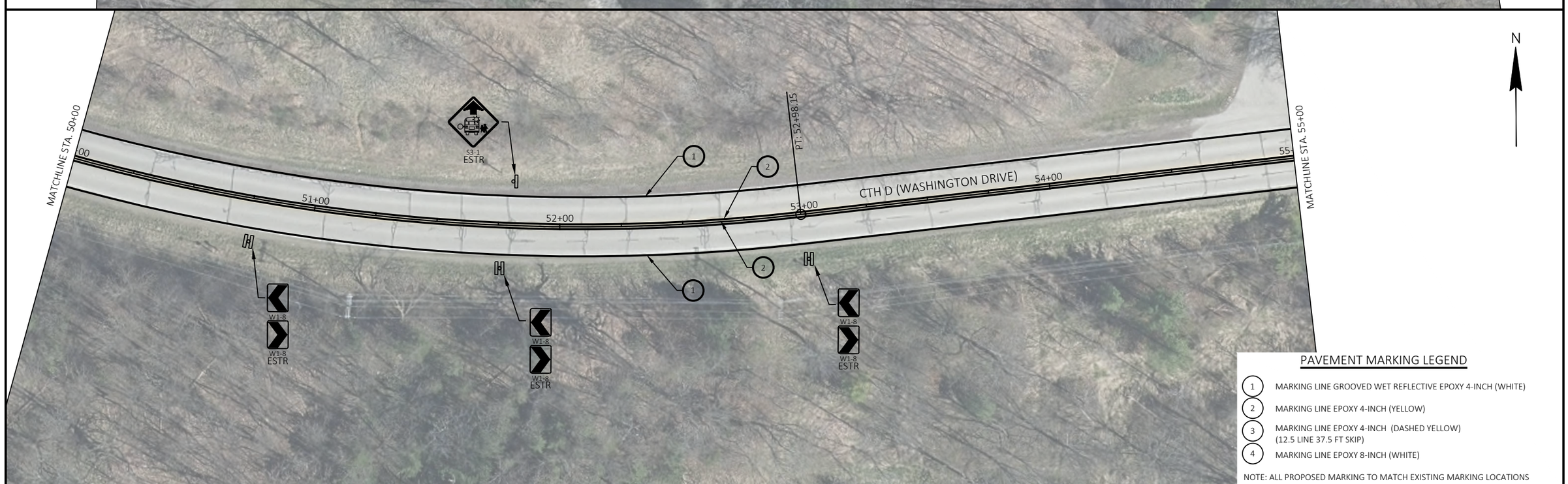
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 26	E

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

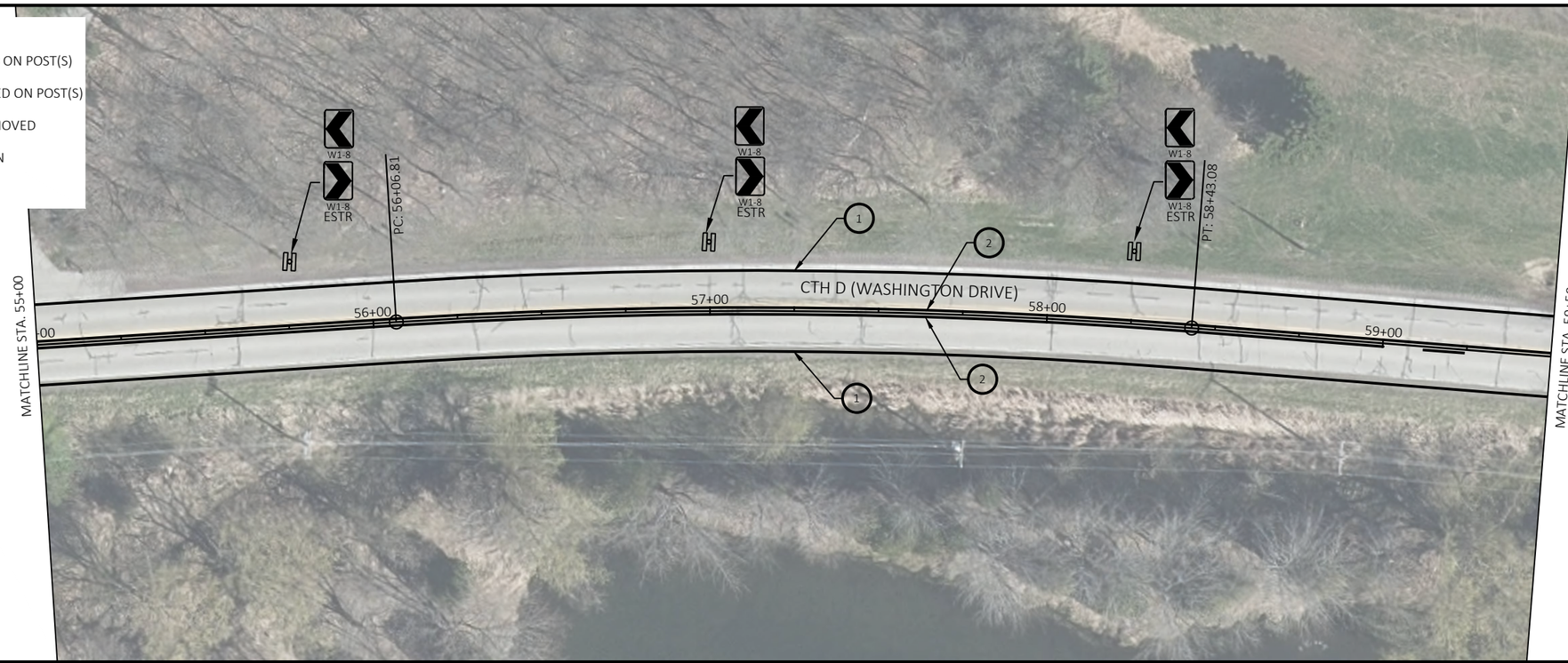
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 27	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



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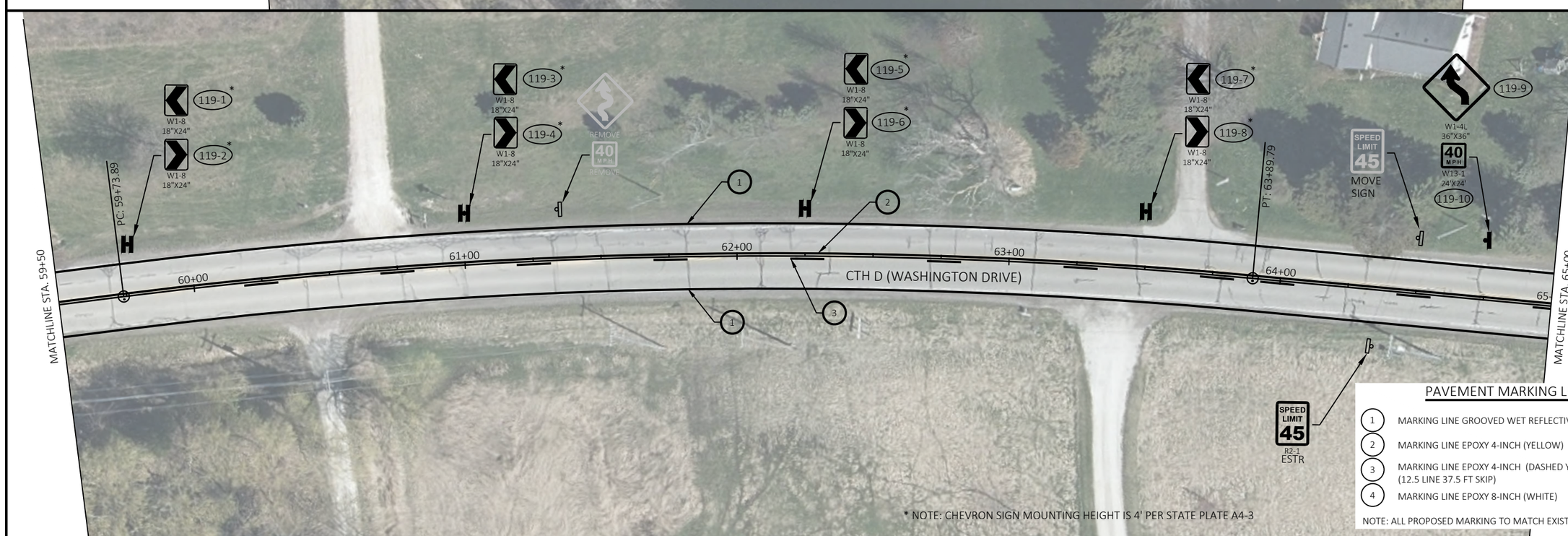


* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

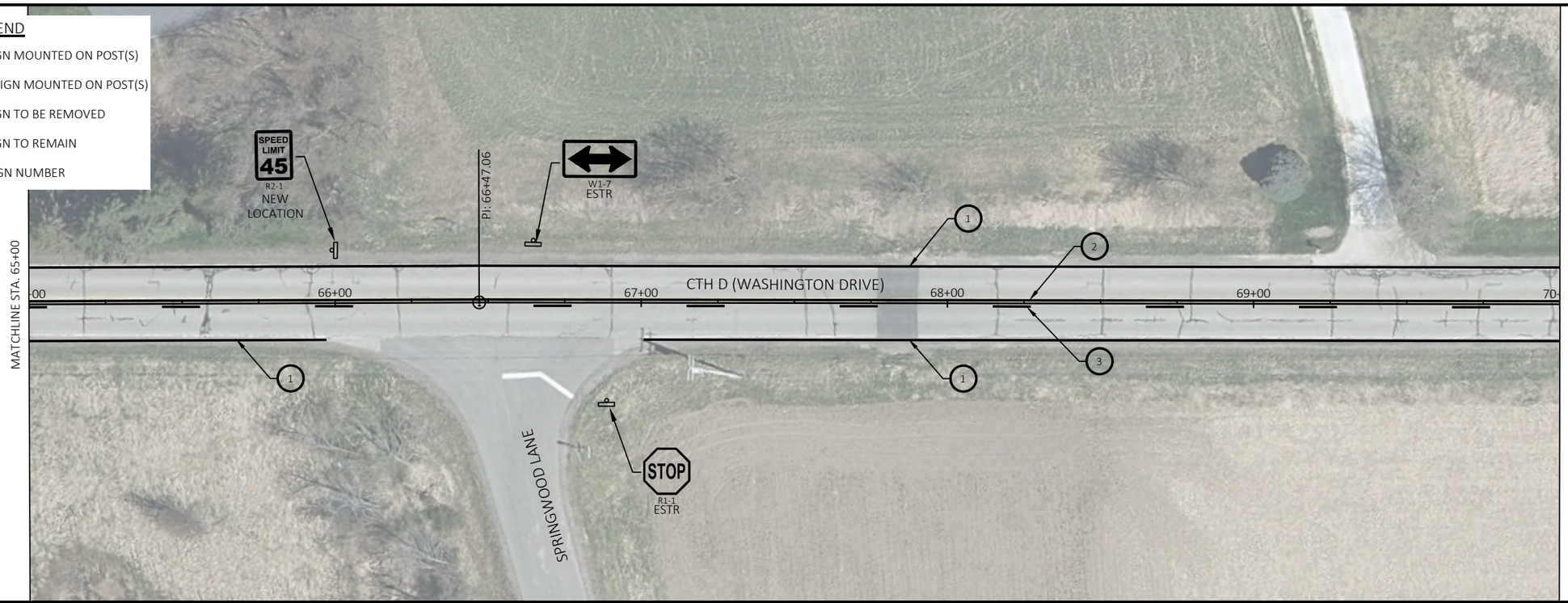
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 28	E

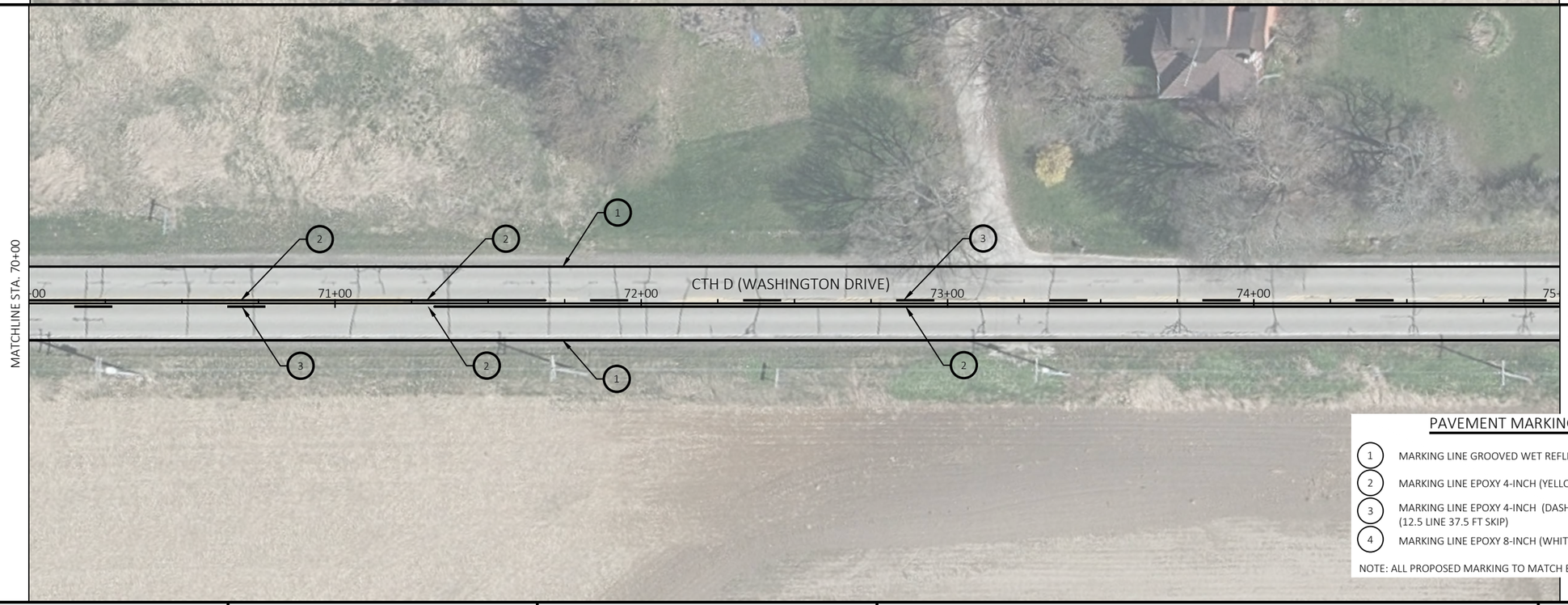
FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023205_ps
PLOT DATE : 3/8/2022 4:34 PM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

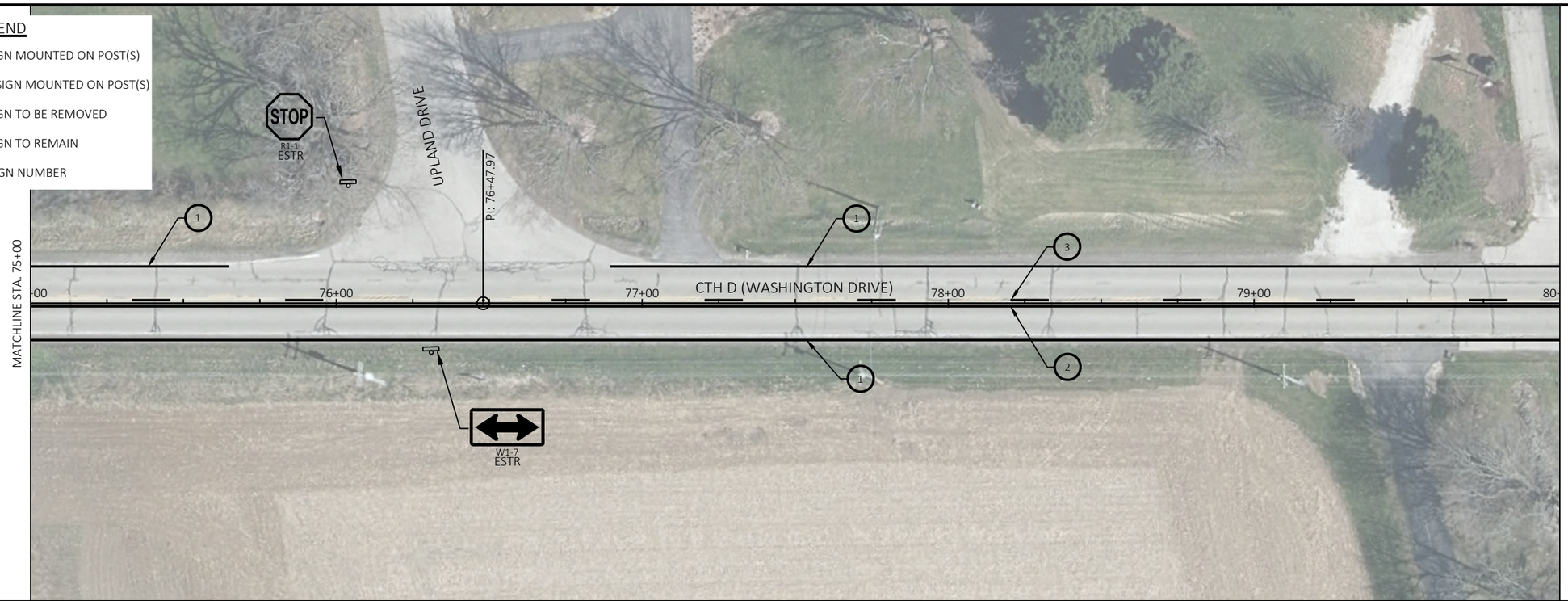
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

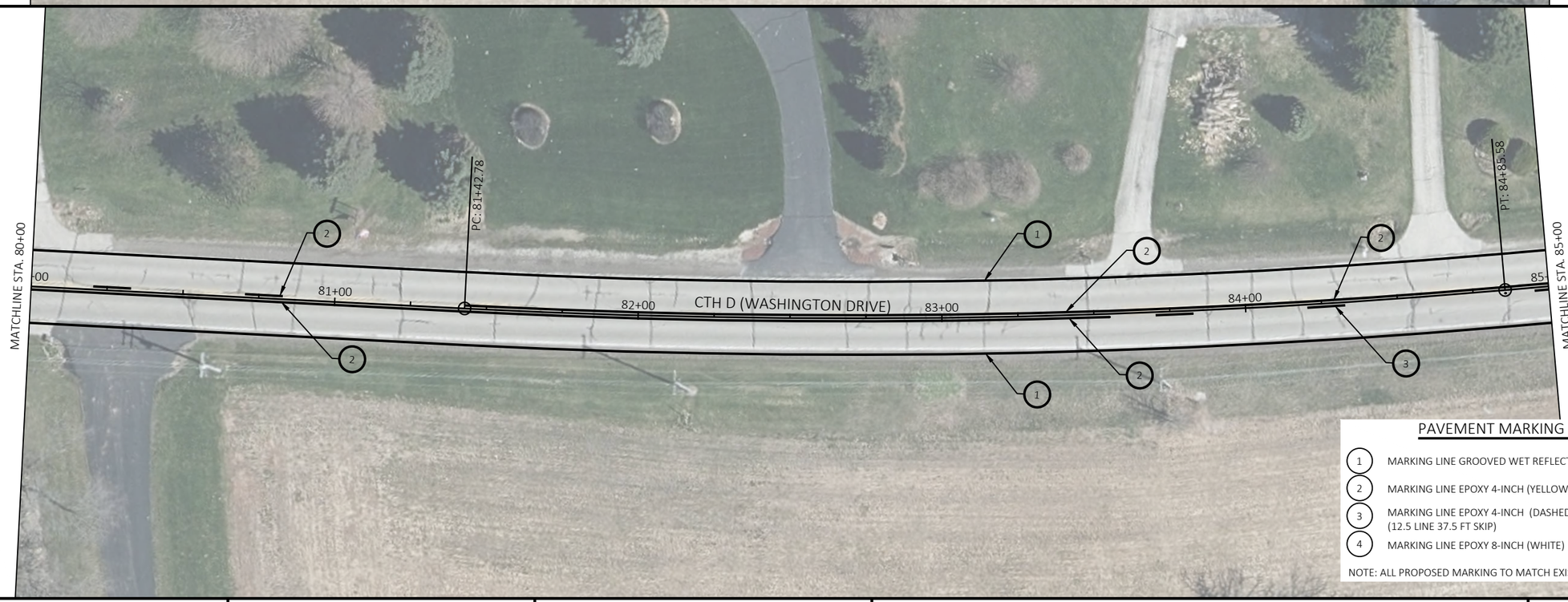
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 29	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

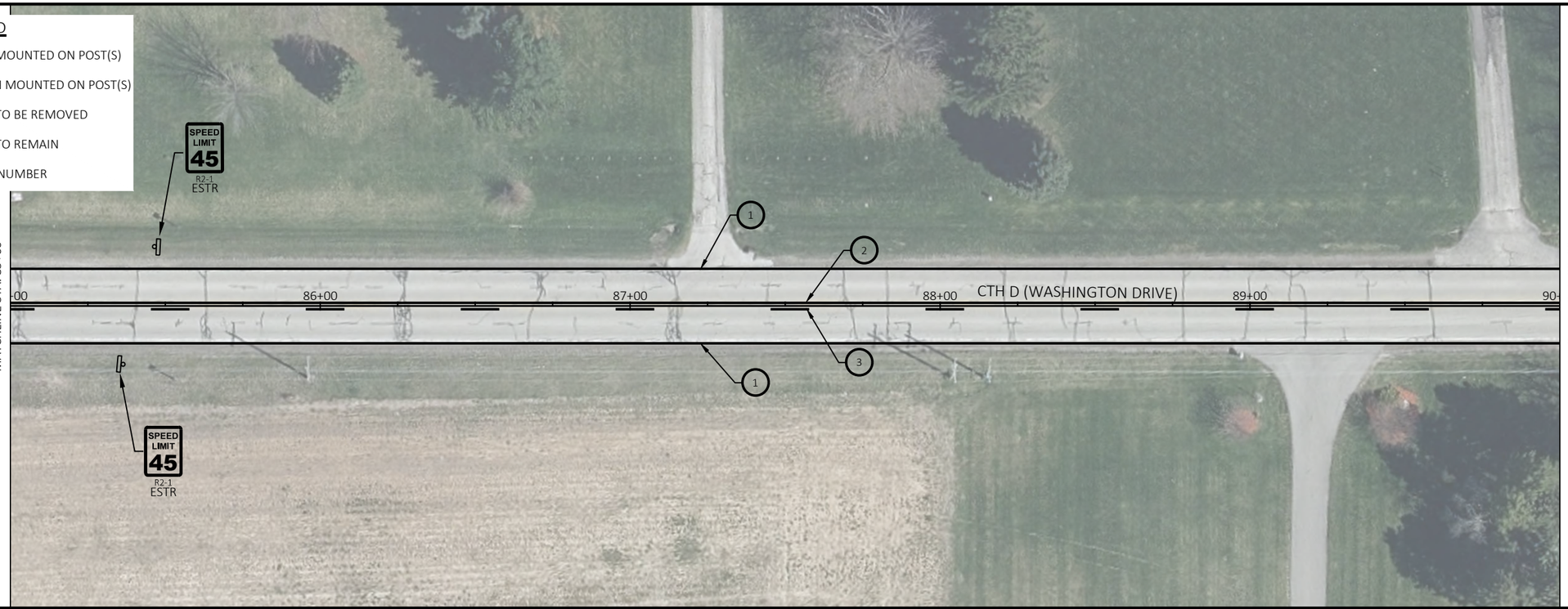
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

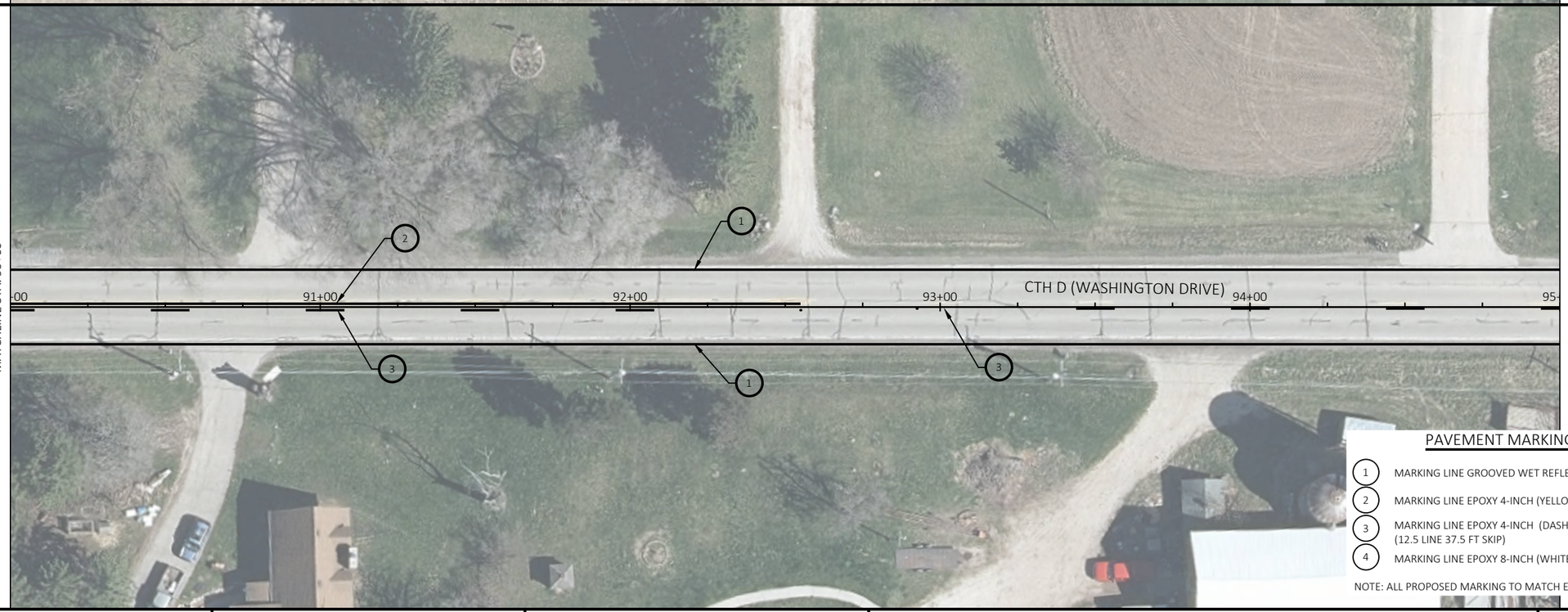
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 30	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

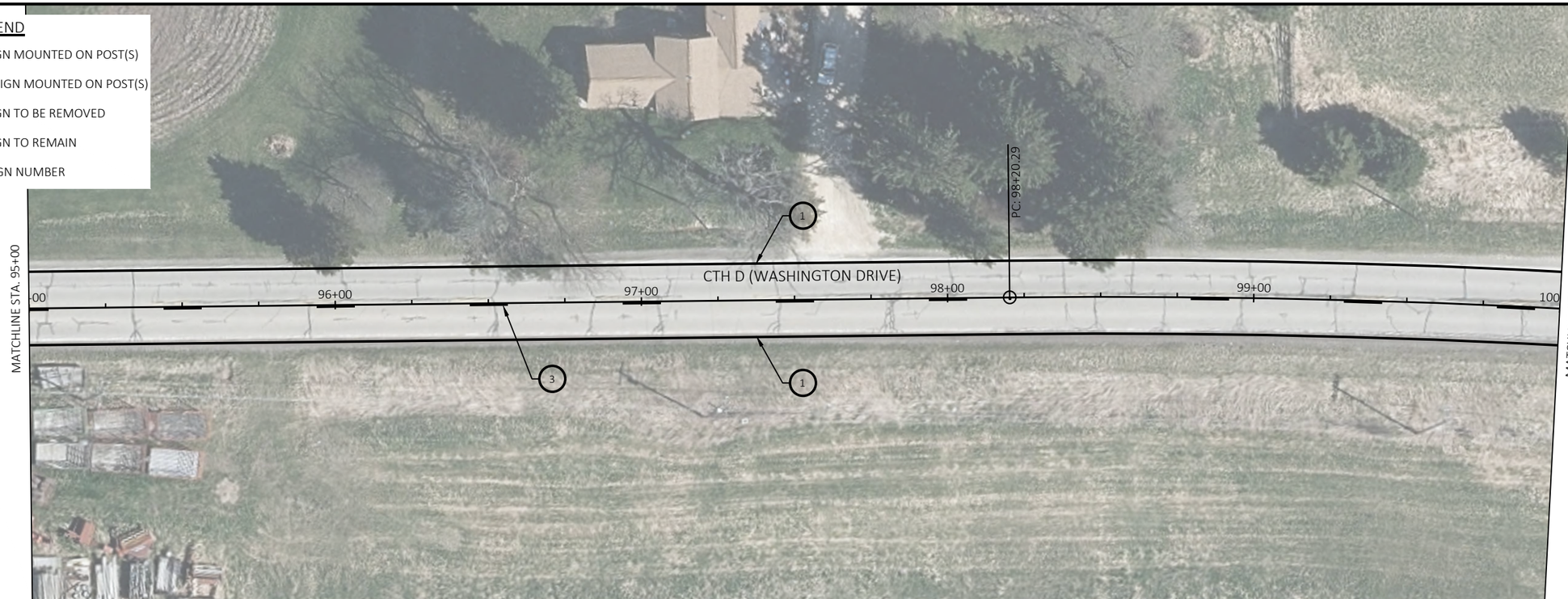
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 31	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

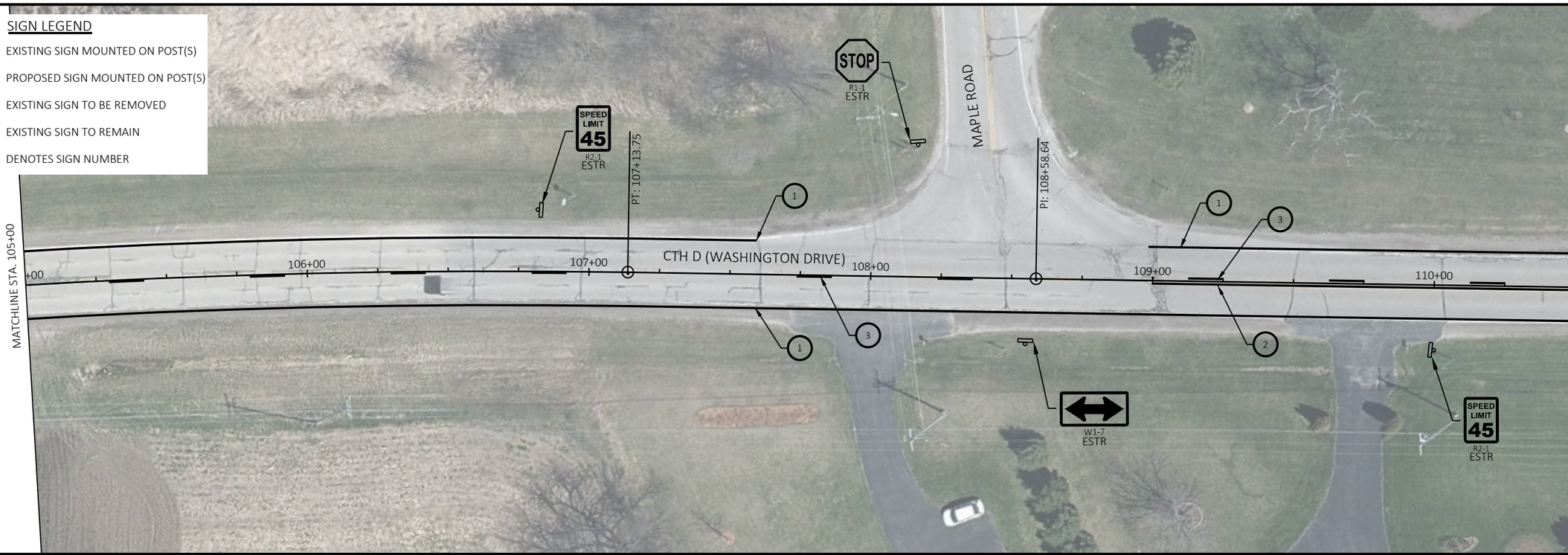
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

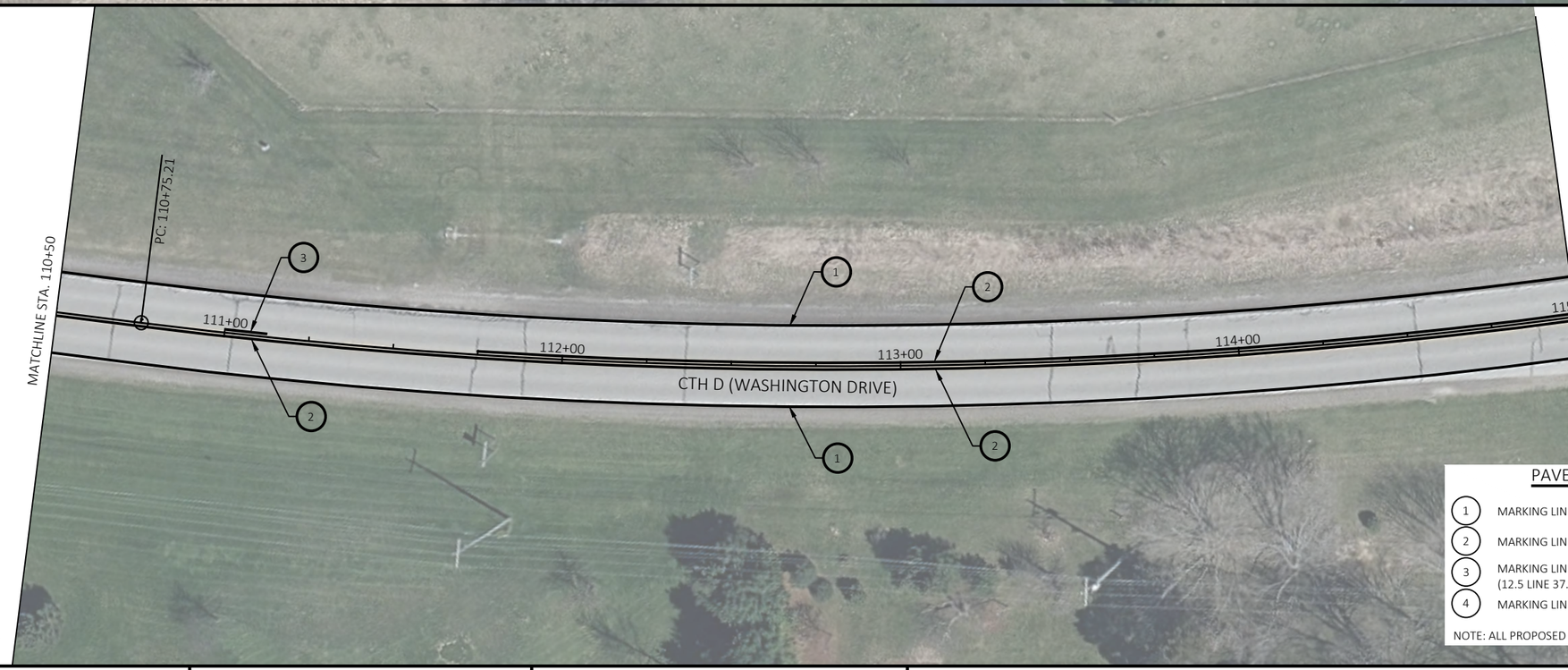
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 32	E

2

SIGN LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
REMOVE	EXISTING SIGN TO BE REMOVED
ESTR	EXISTING SIGN TO REMAIN
XXX	DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

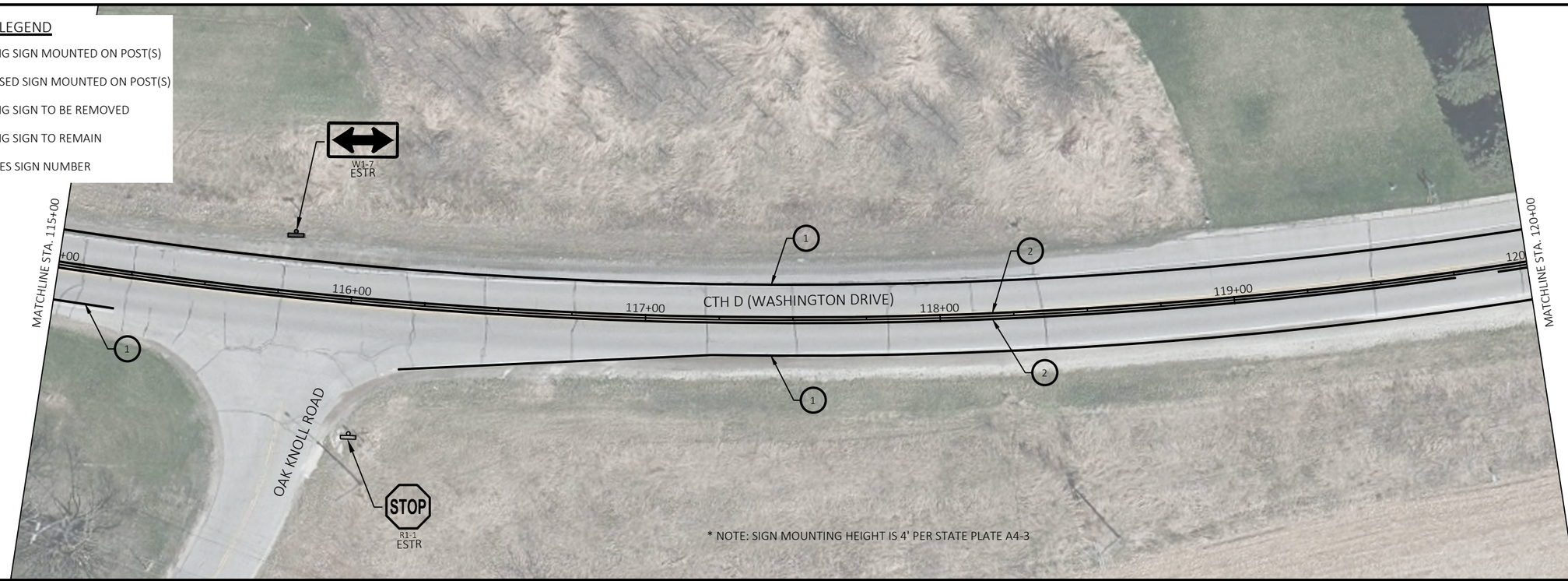
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 33	E

2

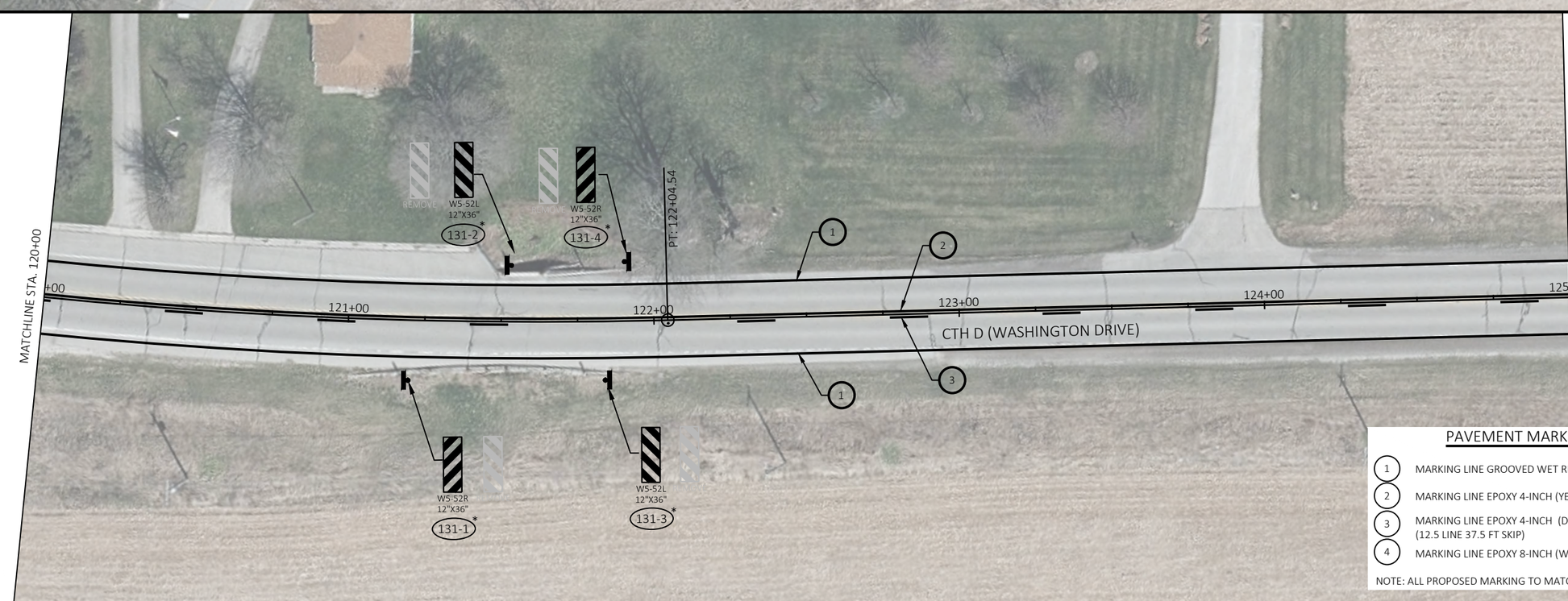
SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



* NOTE: SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

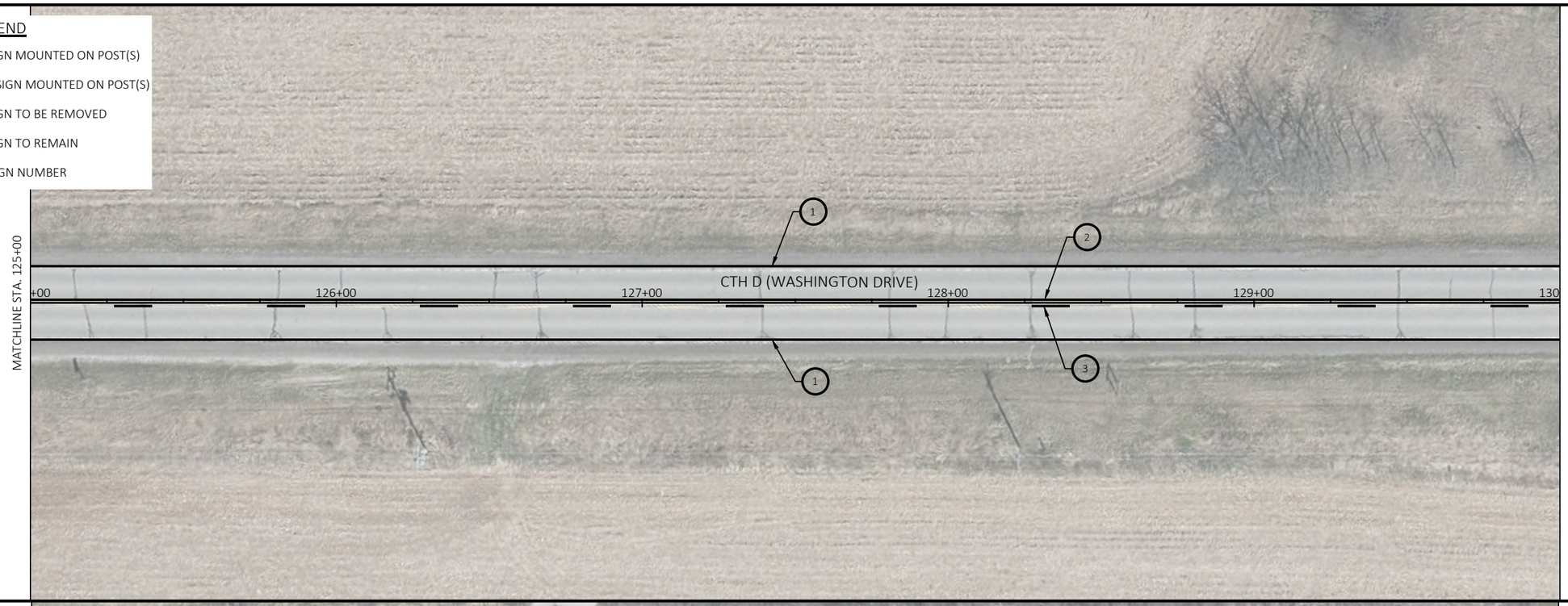
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

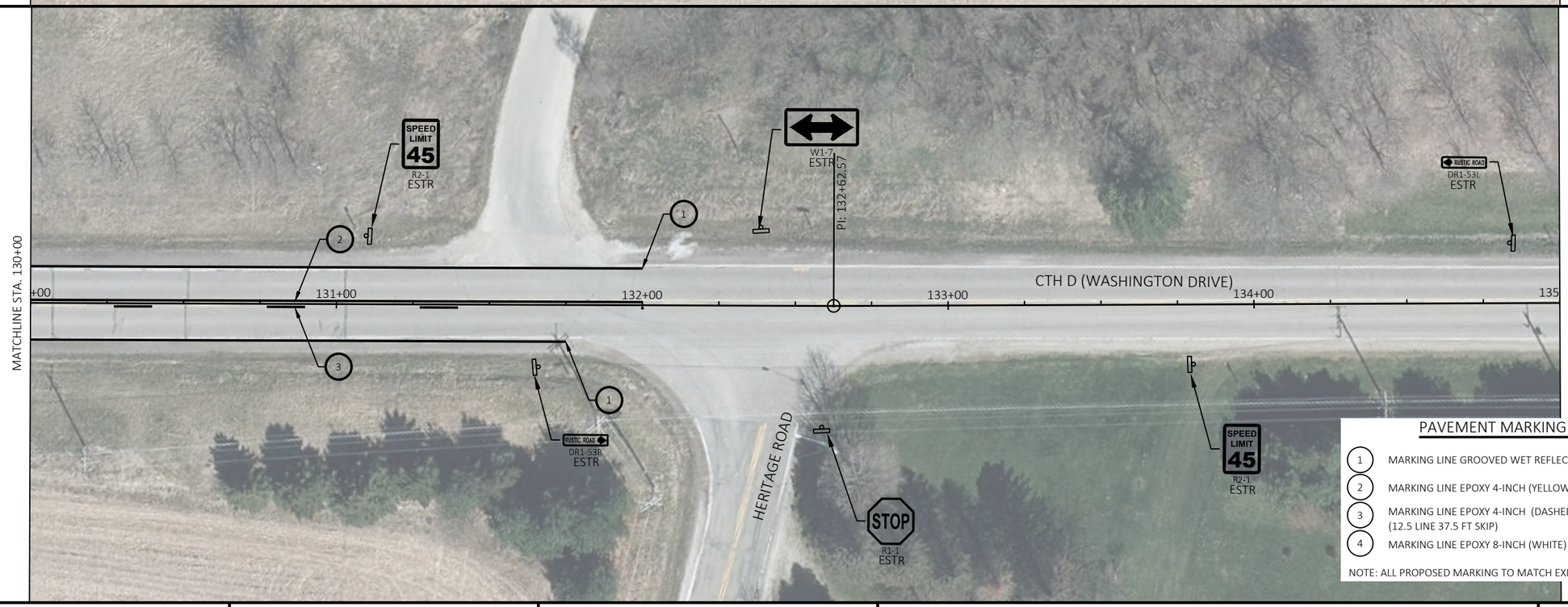
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 34	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

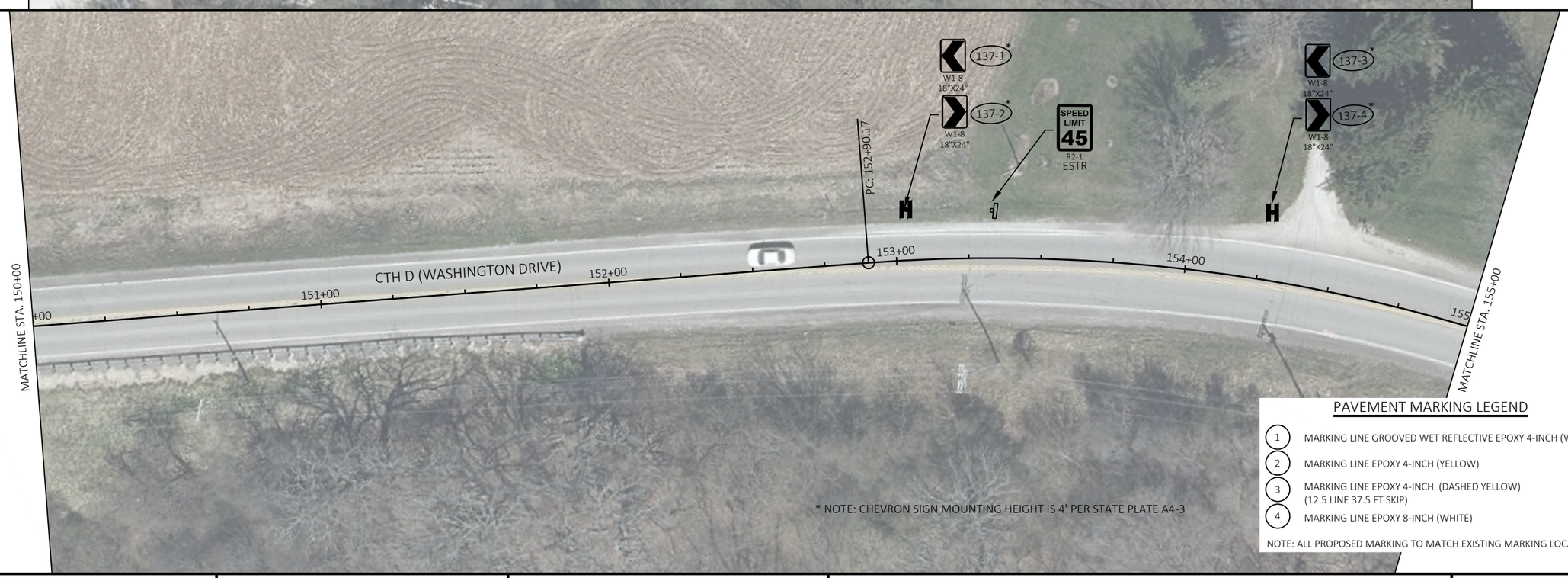
1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 35	E

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER

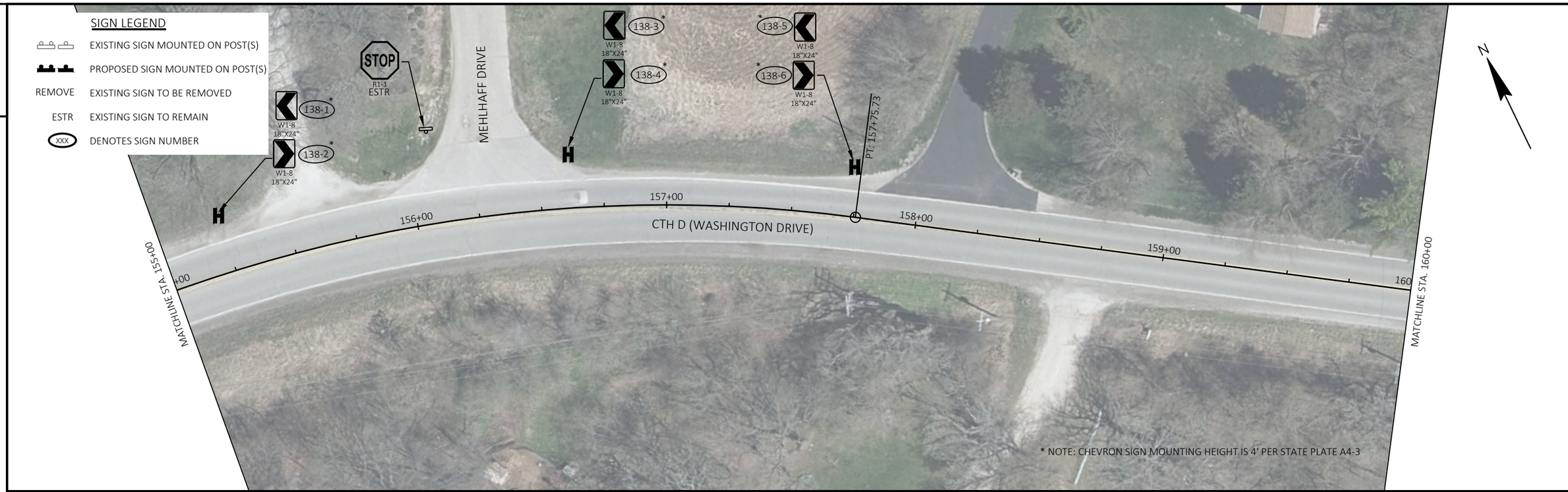


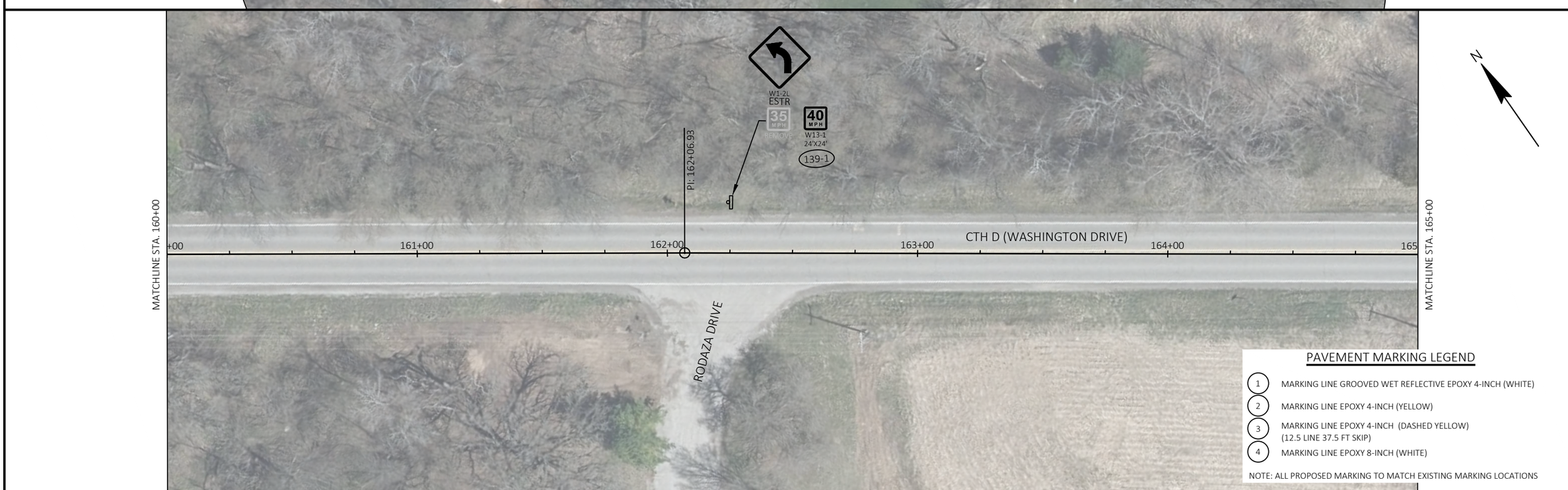
* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS



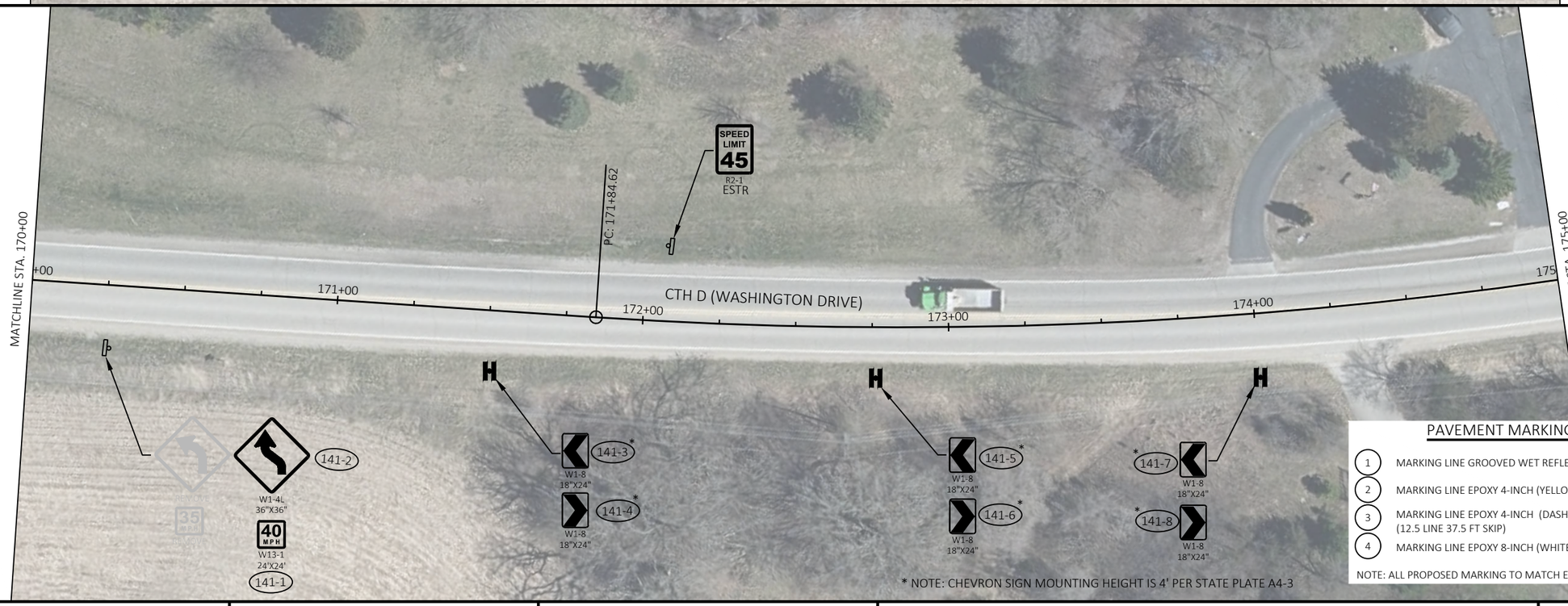


PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 37	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

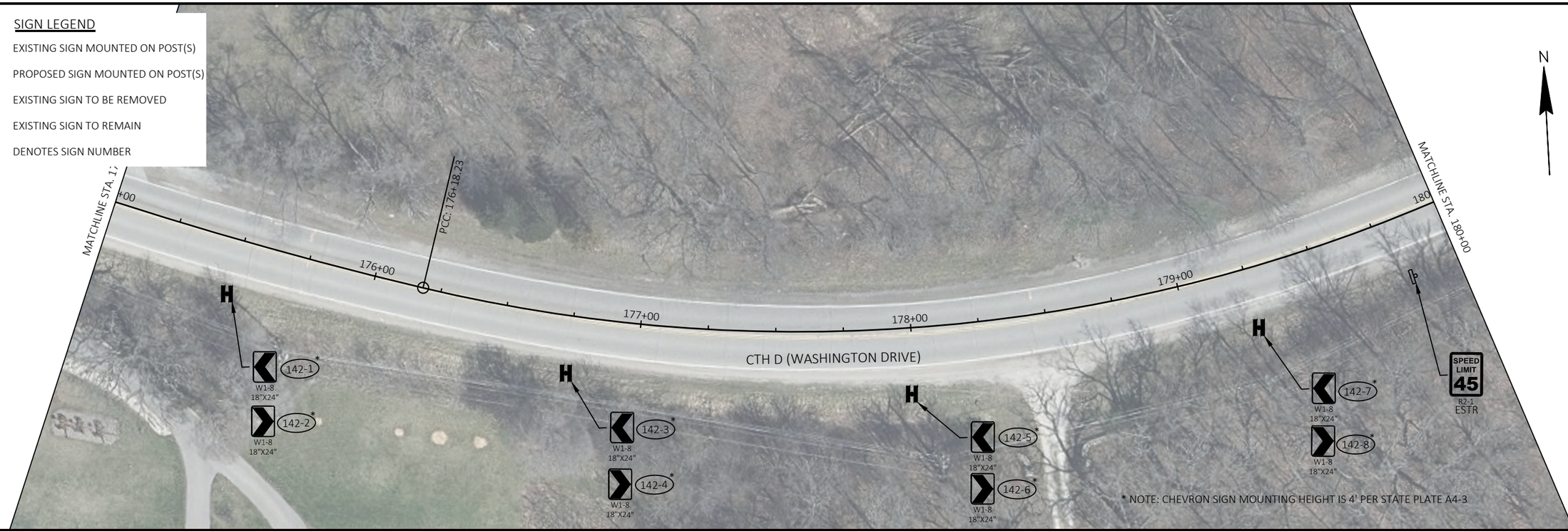
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 38	E

FILE NAME : X:\MIL\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023215_ps
PLOT DATE : 3/8/2022 4:34 PM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 39	E

2

SIGN LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
REMOVE	EXISTING SIGN TO BE REMOVED
ESTR	EXISTING SIGN TO REMAIN
XXX	DENOTES SIGN NUMBER

* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

2

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

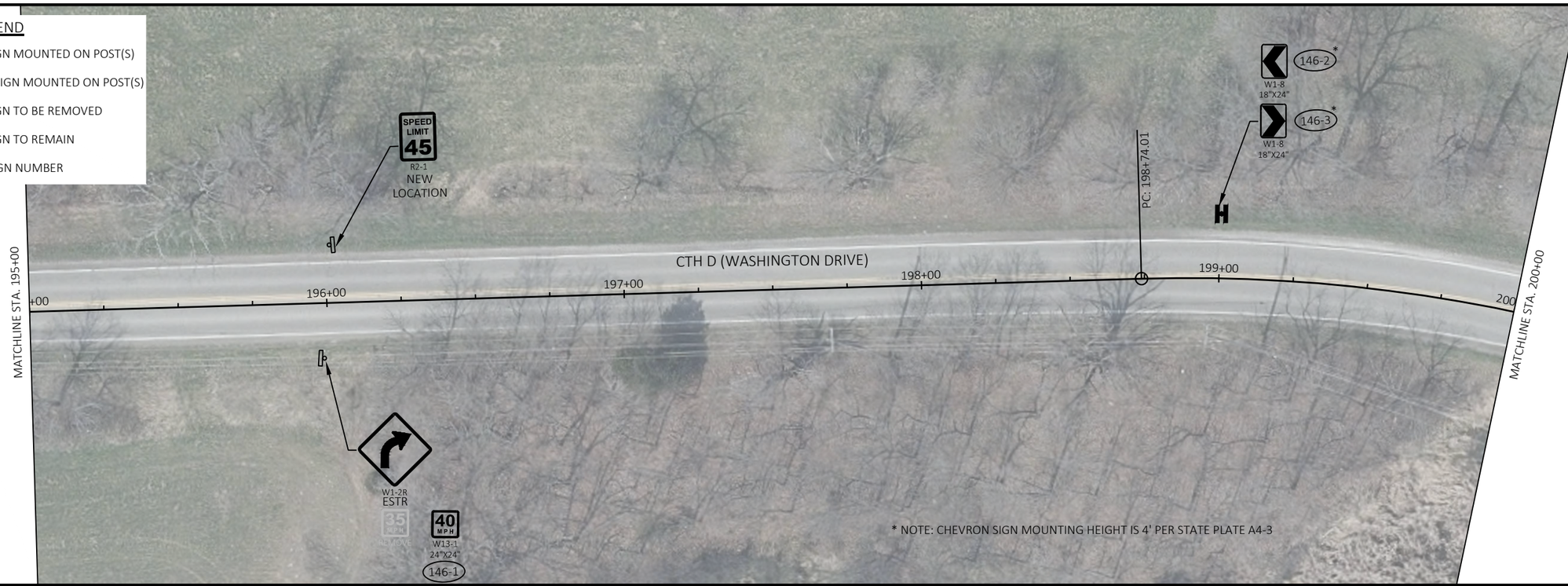
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 40	E

2

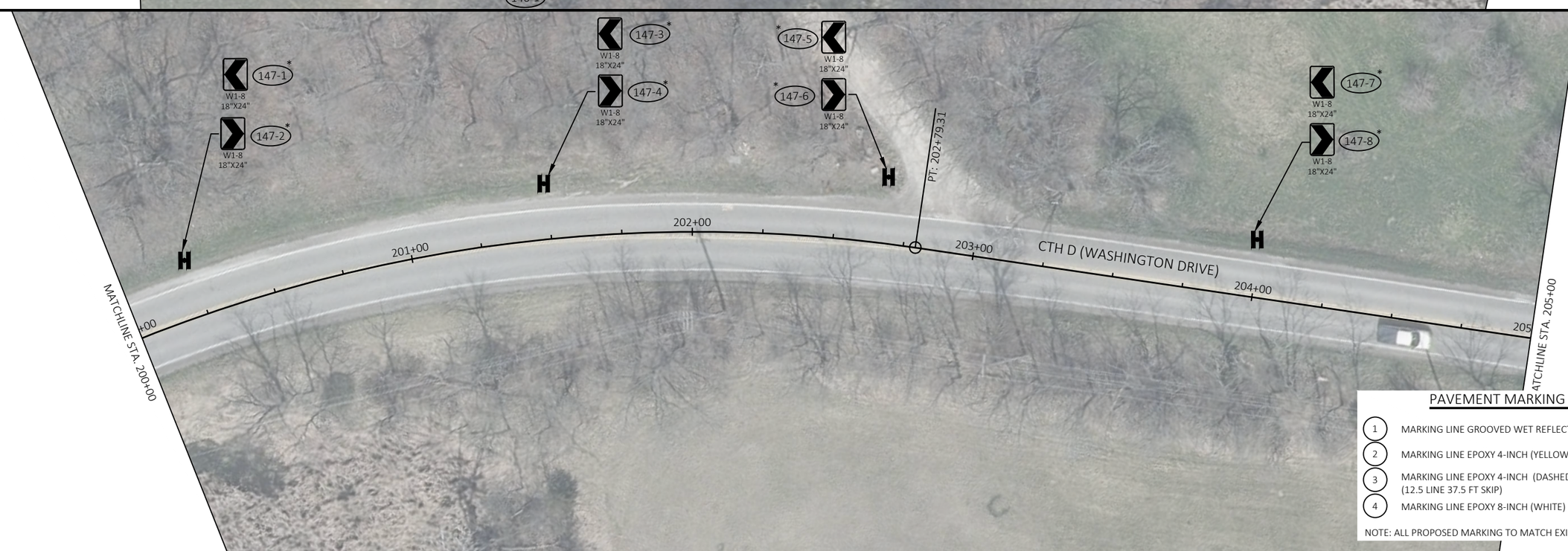
SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



N

2



N

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

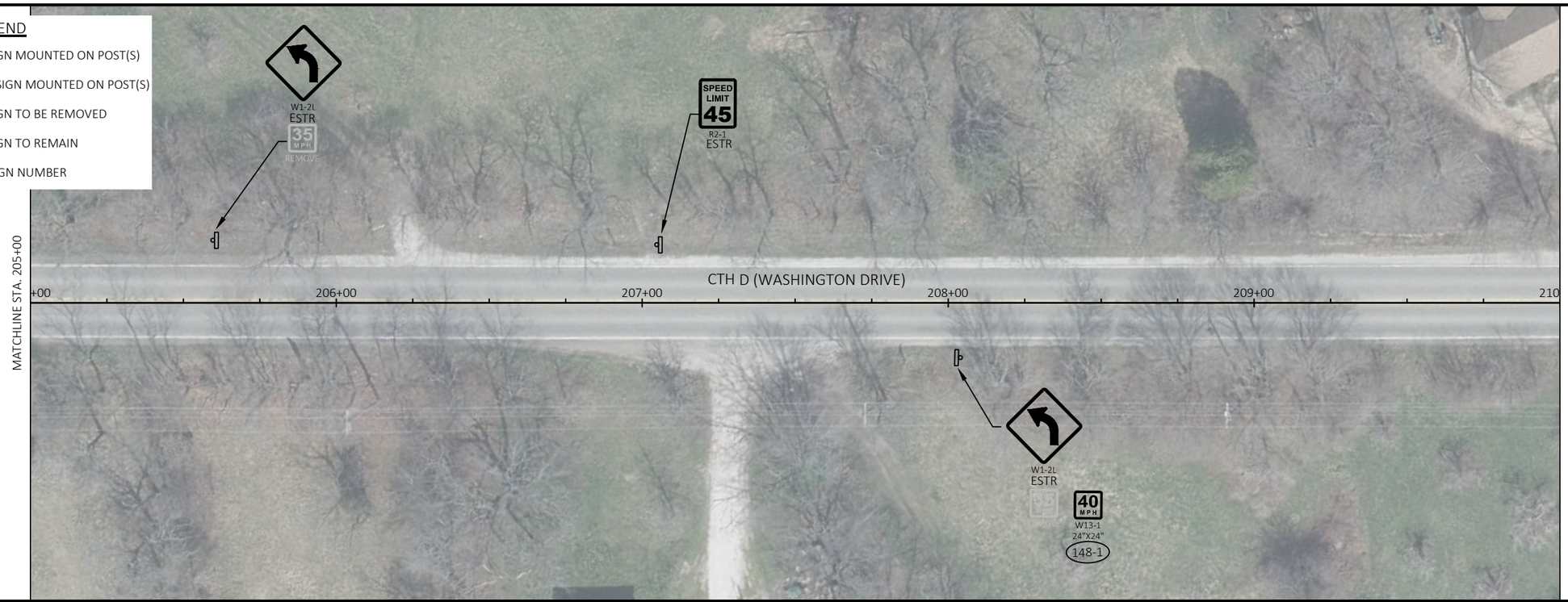
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 41	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

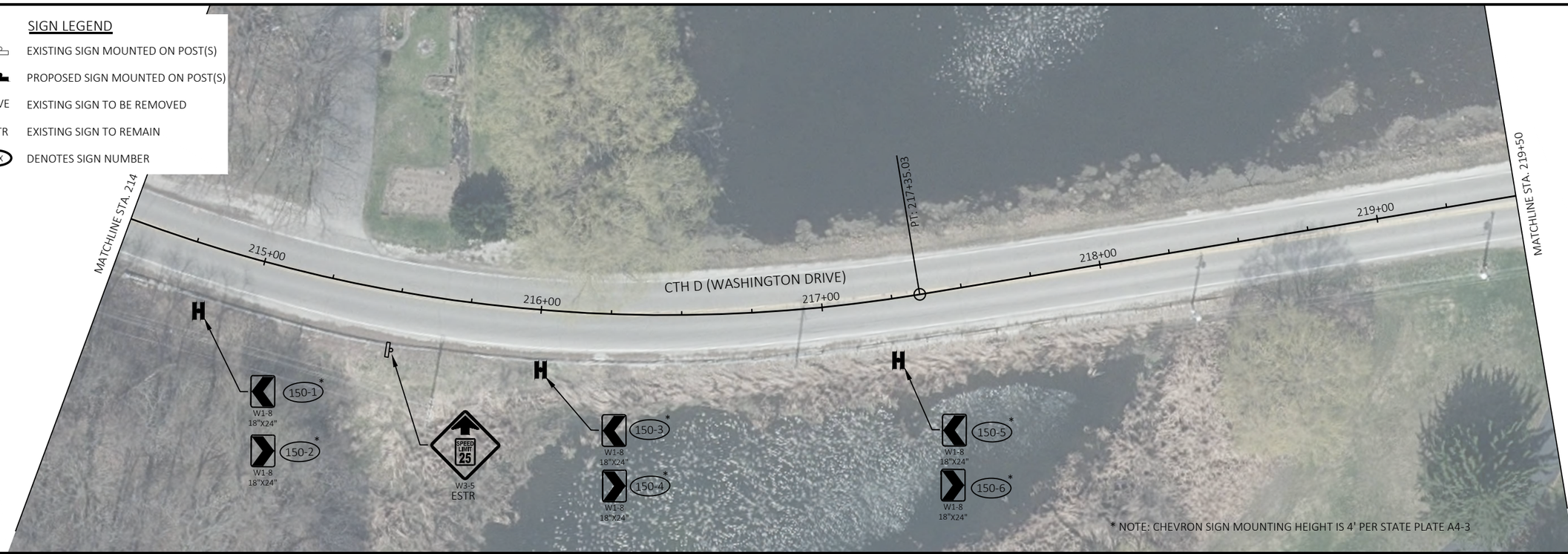
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 42	E

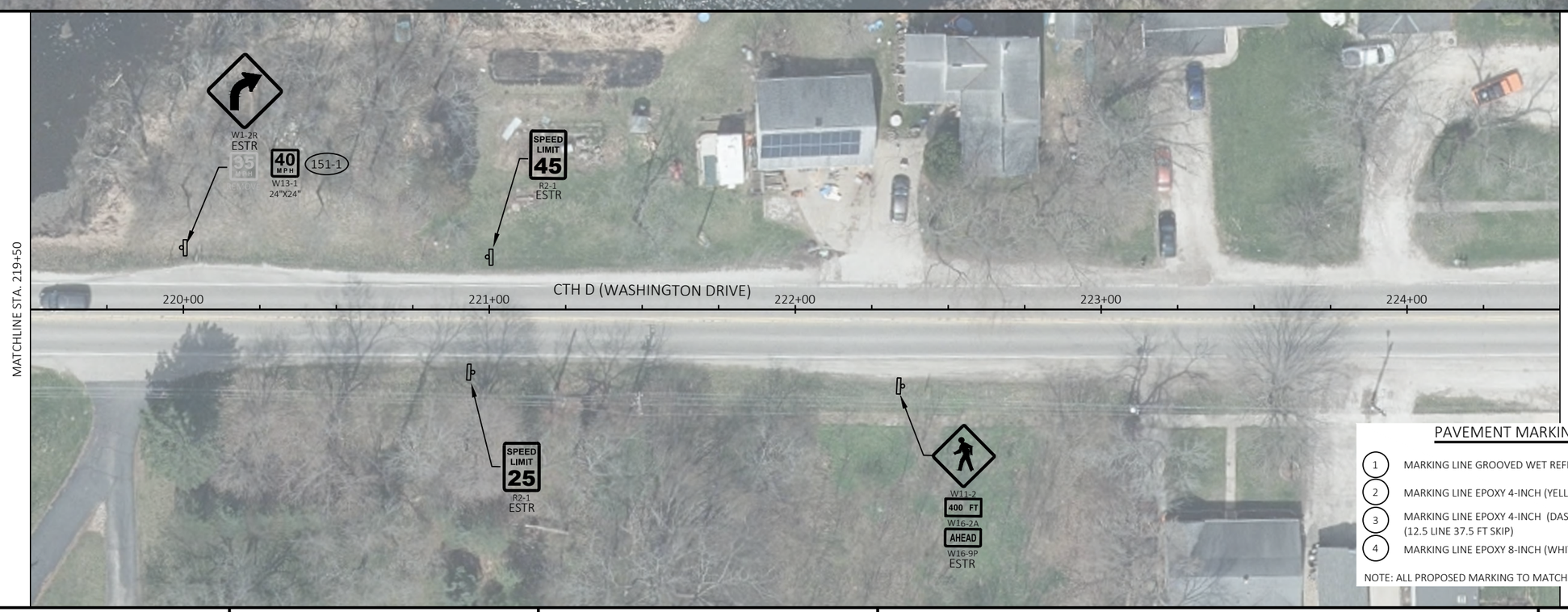
2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



* NOTE: CHEVRON SIGN MOUNTING HEIGHT IS 4' PER STATE PLATE A4-3



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

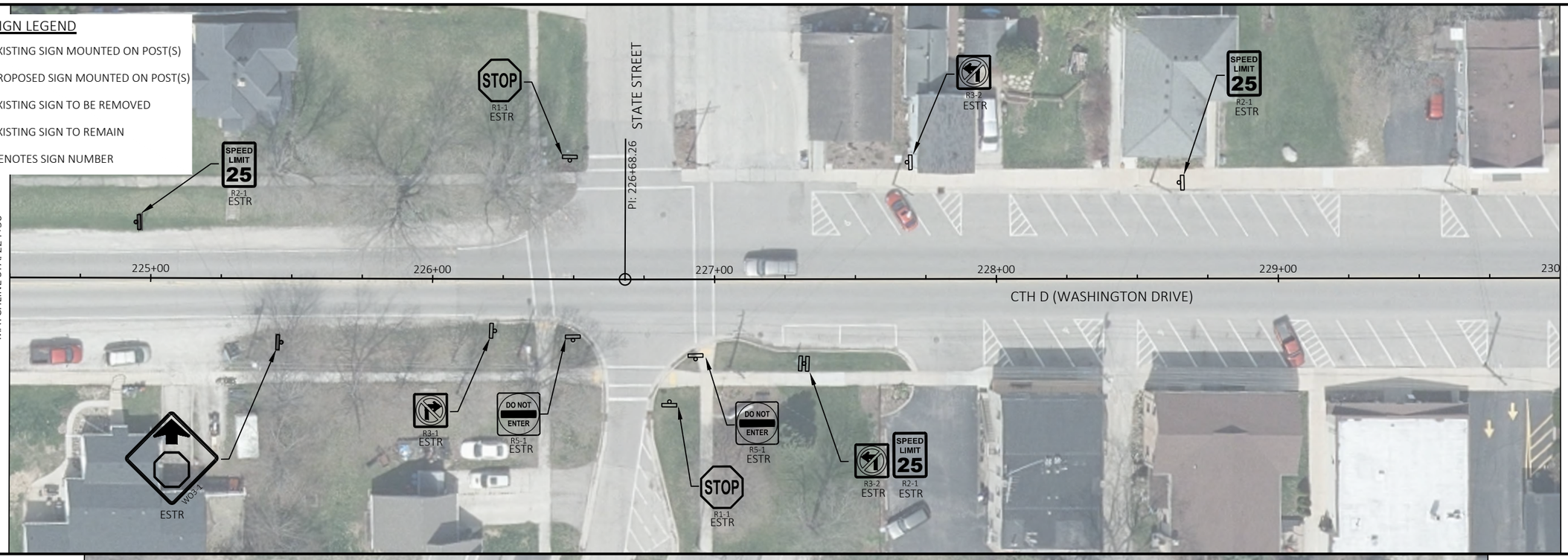
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

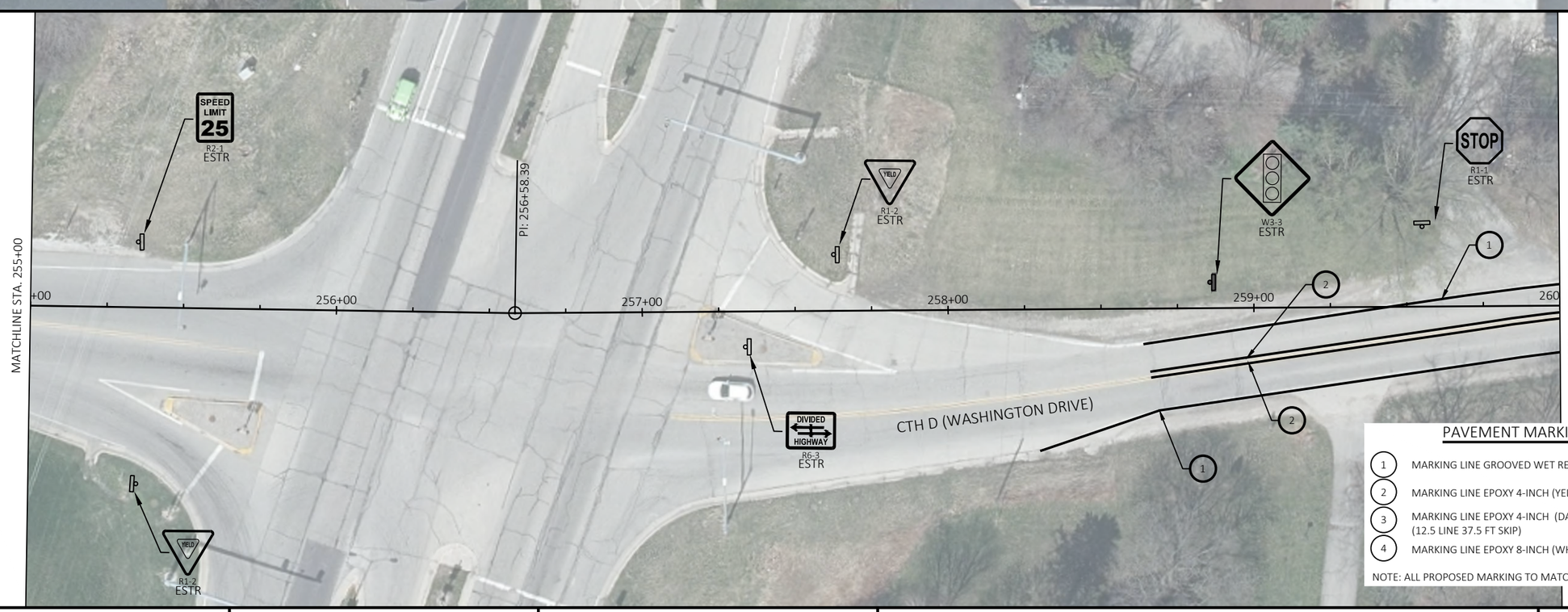
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 43	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

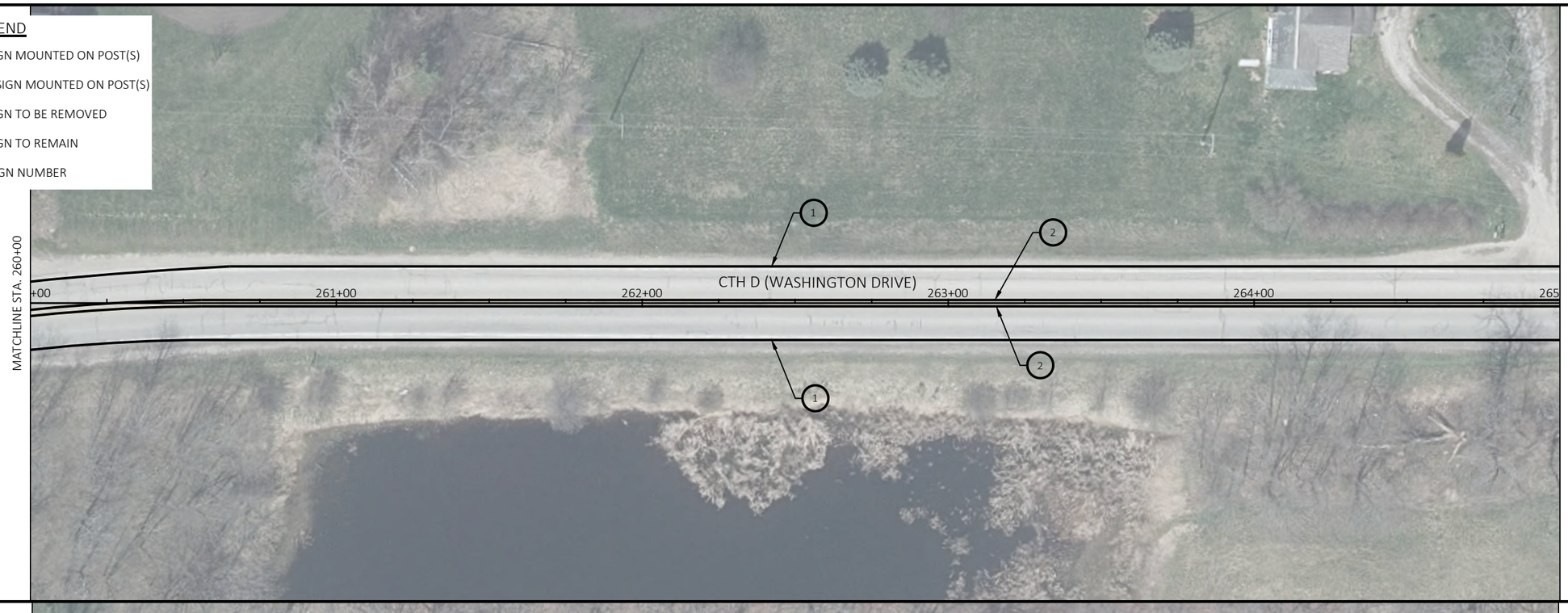
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

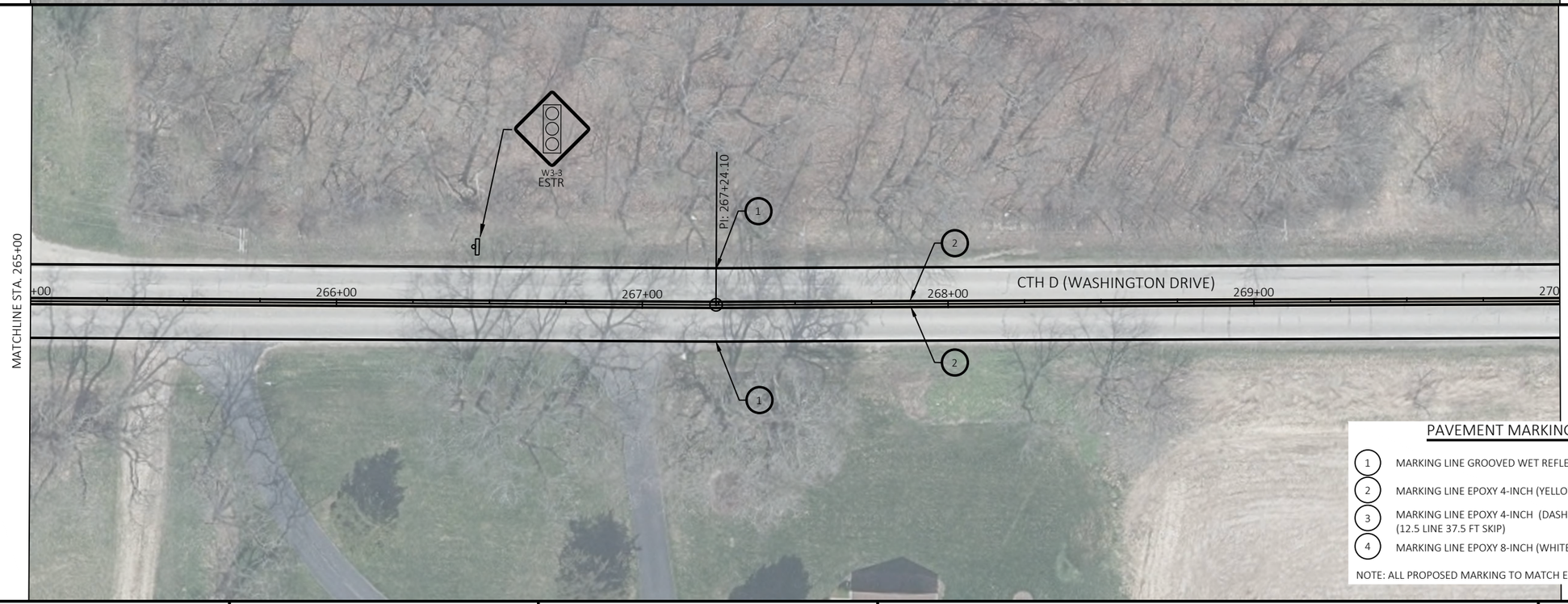
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 44	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

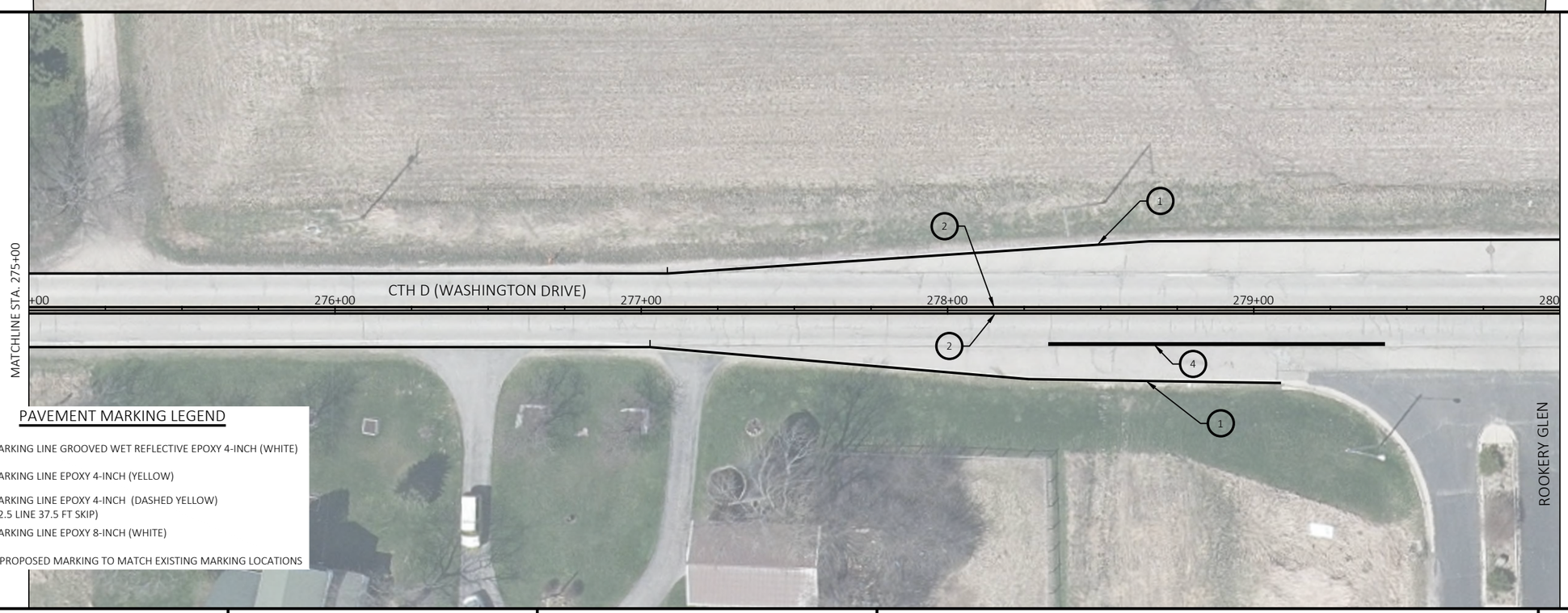
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 45	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

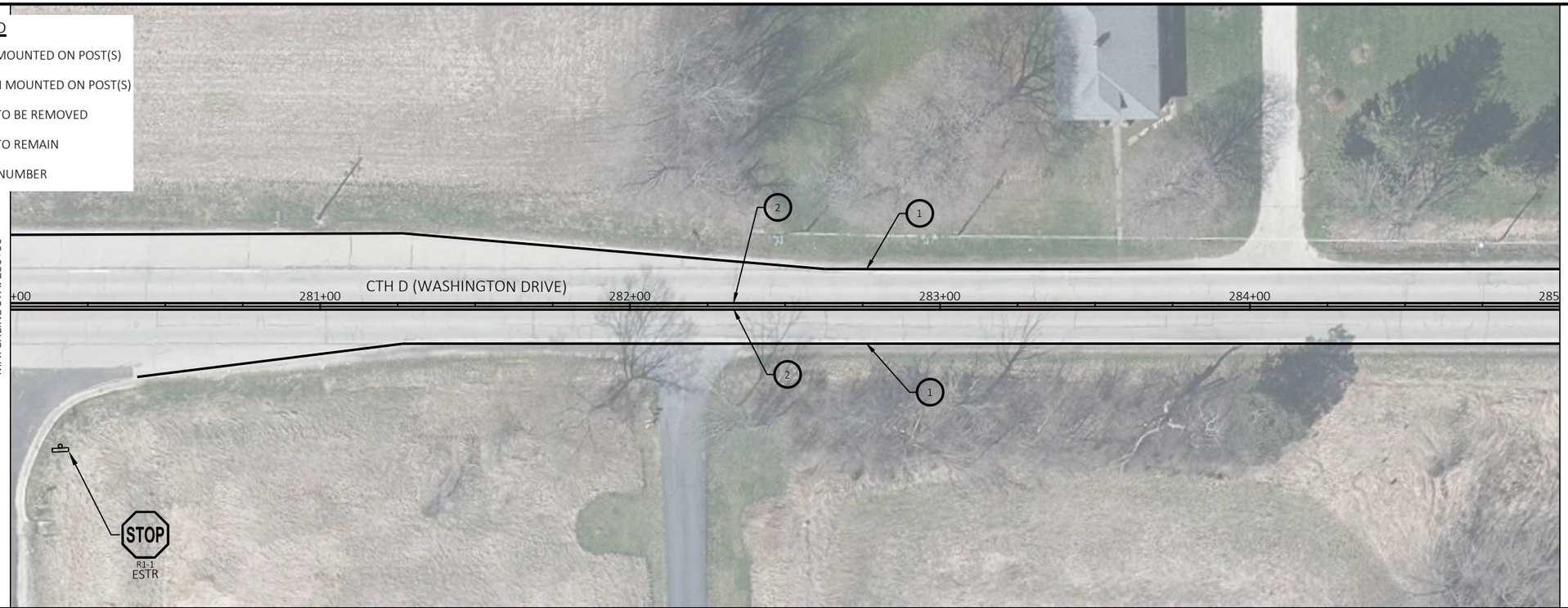
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

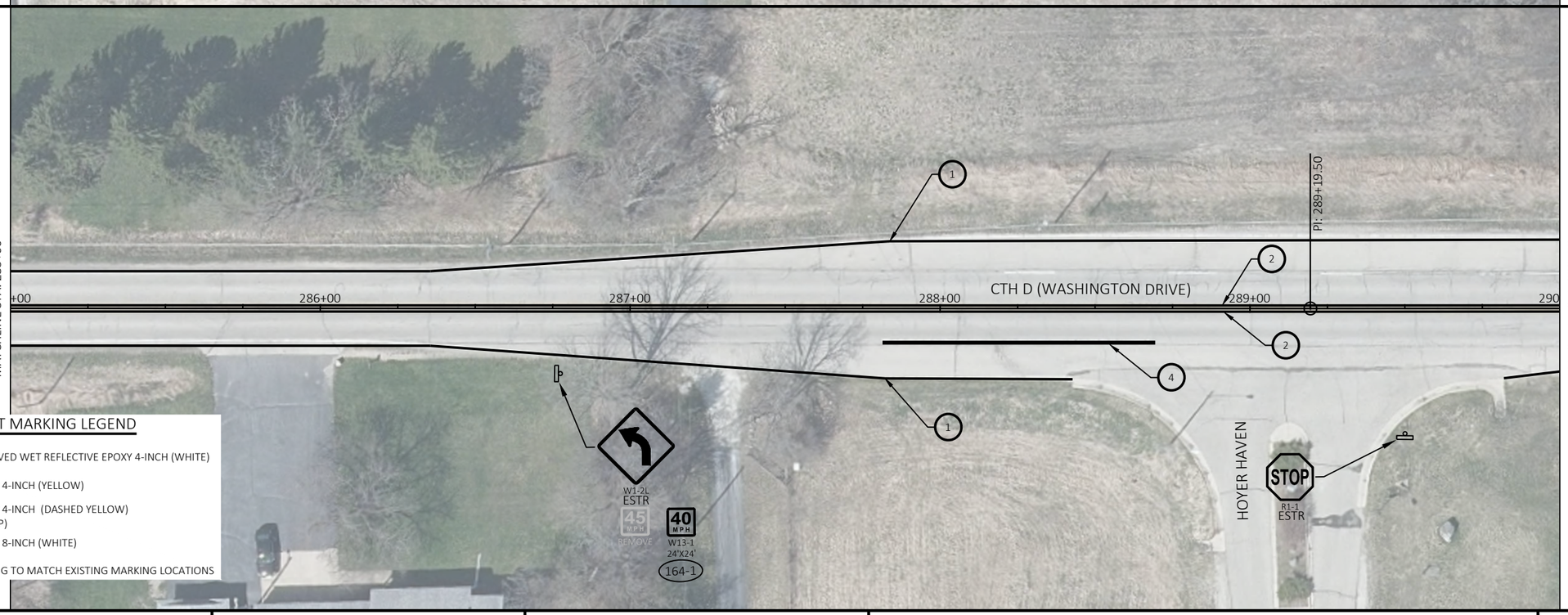
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 46	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

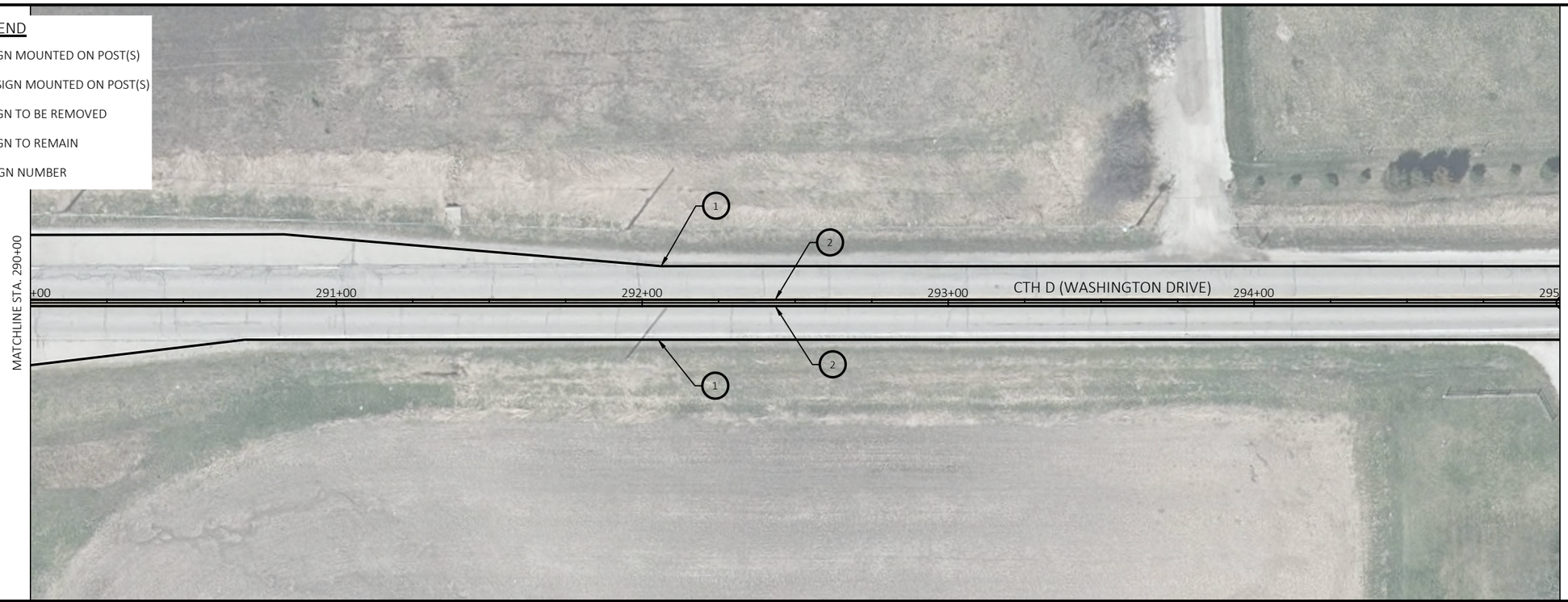
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

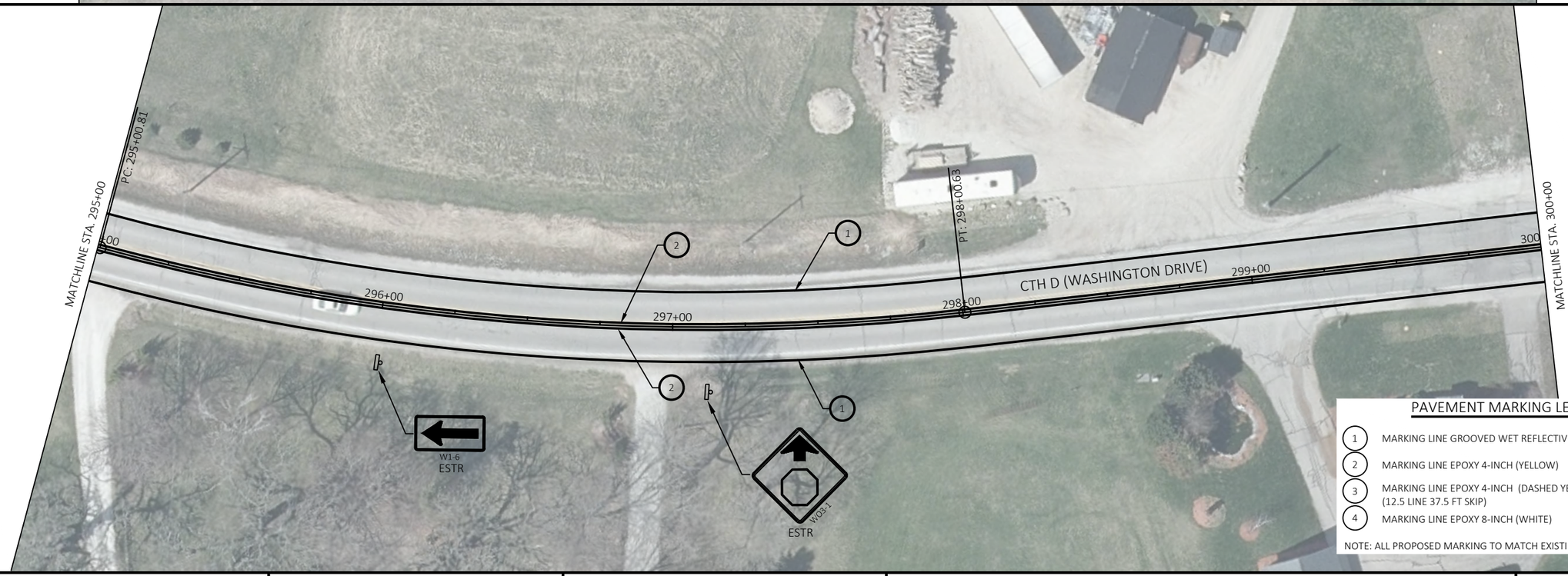
PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 47	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER





PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE EPOXY 4-INCH (DASHED YELLOW) (12.5 LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)

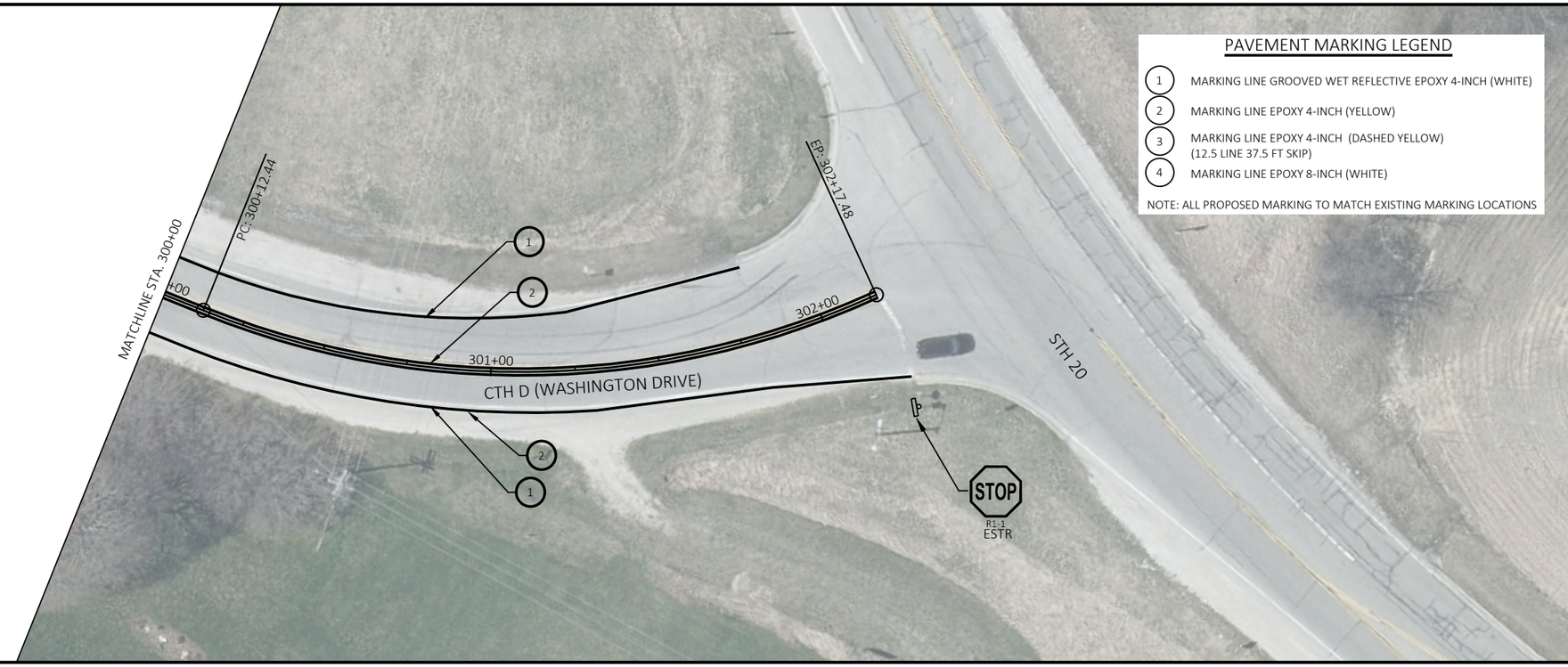
NOTE: ALL PROPOSED MARKING TO MATCH EXISTING MARKING LOCATIONS

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 48	E

2

SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- REMOVE — EXISTING SIGN TO BE REMOVED
- ESTR — EXISTING SIGN TO REMAIN
- XXX — DENOTES SIGN NUMBER



2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	PAVEMENT MARKING AND PERMANENT SIGNING	SHEET 49	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023226_ps
PLOT DATE : 3/8/2022 4:35 PM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

WORK AREA

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

1. MAINTAIN ONE 11-FOOT MINIMUM LANE AT ALL TIMES
2. ALL SIGNS ARE 48" X 48" EXCEPT OTHERWISE NOTED
3. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.
4. NO TRAFFIC CONTROL DEVICES SHALL BE PLACED WITHIN 50' OF RAILROAD RIGHT-OF-WAY

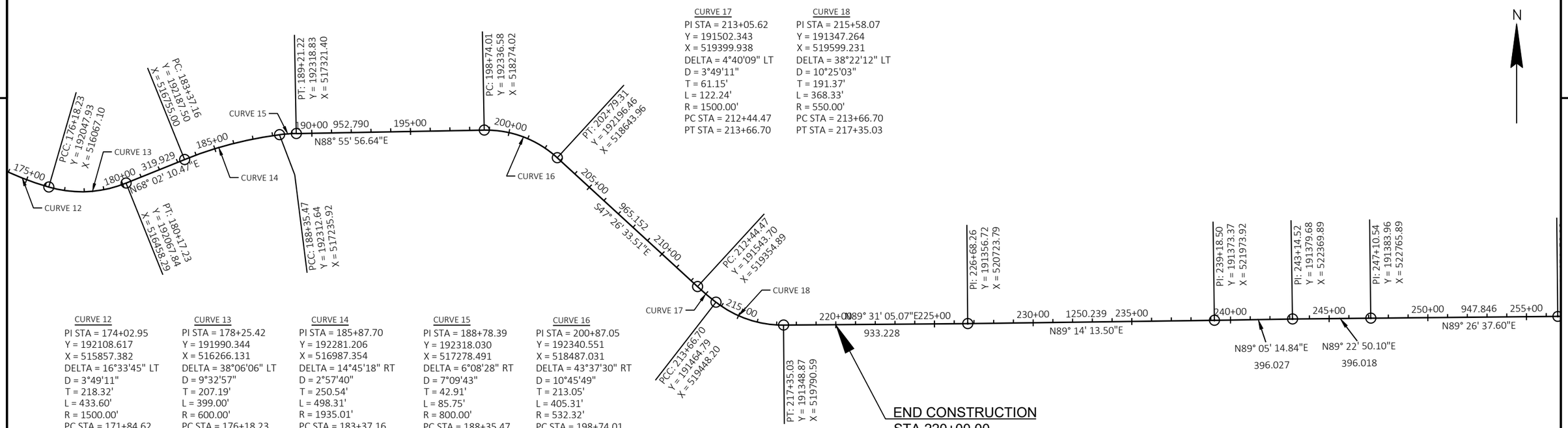
2

PROJECT NO: 3755-03-70	HWY: CTH D	COUNTY: RACINE	TRAFFIC CONTROL	SHEET 50	E

FILE NAME : X:\ML\2020\20200402\DESIGN\TRANSPORTATION\SHEETSPLAN\025201_TC.DWG
LAYOUT NAME - 025201_tc

PLOT DATE : 1/6/2022 3:27 PM PLOT BY : MCGILLICUDDY, BEN PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



CURVE 17
PI STA = 213+05.62
Y = 191502.343
X = 519399.938
DELTA = 4°40'09" LT
D = 3°49'11"
T = 61.15'
L = 122.24'
R = 1500.00'
PC STA = 212+44.47
PT STA = 213+66.70

CURVE 18
PI STA = 215+58.07
Y = 191347.264
X = 519599.231
DELTA = 38°22'12" LT
D = 10°25'03"
T = 191.37'
L = 368.33'
R = 550.00'
PC STA = 213+66.70
PT STA = 217+35.03

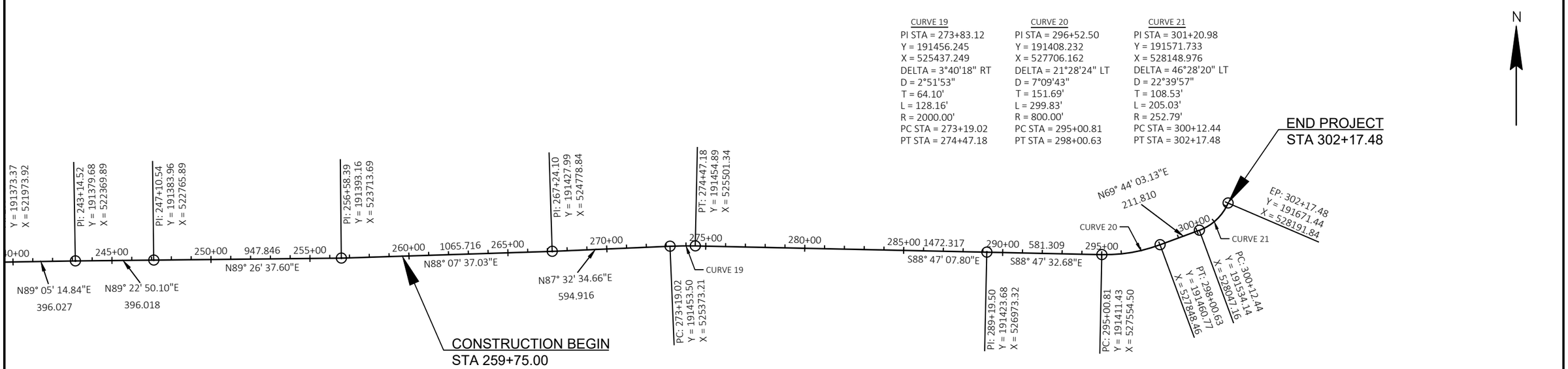
CURVE 12
PI STA = 174+02.95
Y = 192108.617
X = 515857.382
DELTA = 16°33'45" LT
D = 3°49'11"
T = 218.32'
L = 433.60'
R = 1500.00'
PC STA = 171+84.62
PT STA = 176+18.23

CURVE 13
PI STA = 178+25.42
Y = 191990.344
X = 516266.131
DELTA = 38°06'06" LT
D = 9°32'57"
T = 207.19'
L = 399.00'
R = 600.00'
PC STA = 176+18.23
PT STA = 180+17.23

CURVE 14
PI STA = 185+87.70
Y = 192281.206
X = 516987.354
DELTA = 14°45'18" RT
D = 2°57'40"
T = 250.54'
L = 498.31'
R = 1935.01'
PC STA = 183+37.16
PT STA = 188+35.47

CURVE 15
PI STA = 188+78.39
Y = 192318.030
X = 517278.491
DELTA = 6°08'28" RT
D = 7°09'43"
T = 42.91'
L = 85.75'
R = 800.00'
PC STA = 188+35.47
PT STA = 189+21.22

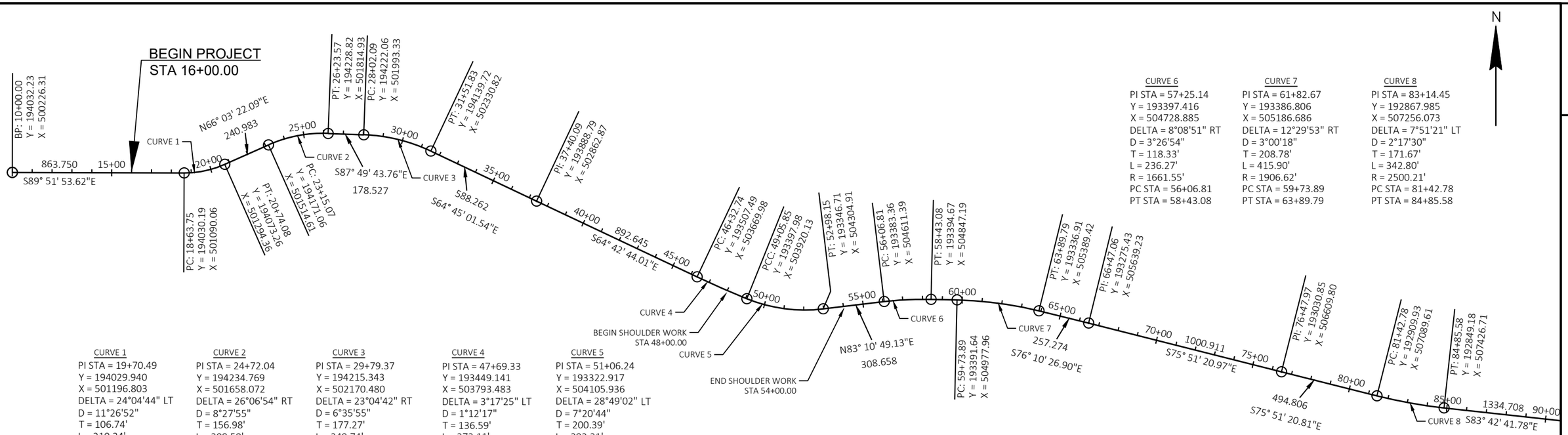
CURVE 16
PI STA = 200+87.05
Y = 192340.551
X = 518487.031
DELTA = 43°37'30" RT
D = 10°45'49"
T = 213.05'
L = 405.31'
R = 532.32'
PC STA = 198+74.01
PT STA = 202+79.31



CURVE 19
PI STA = 273+83.12
Y = 191456.245
X = 525437.249
DELTA = 3°40'18" RT
D = 2°51'53"
T = 64.10'
L = 128.16'
R = 2000.00'
PC STA = 273+19.02
PT STA = 274+47.18

CURVE 20
PI STA = 296+52.50
Y = 191408.232
X = 527706.162
DELTA = 21°28'24" LT
D = 7°09'43"
T = 151.69'
L = 299.83'
R = 800.00'
PC STA = 295+00.81
PT STA = 298+00.63

CURVE 21
PI STA = 301+20.98
Y = 191571.733
X = 528148.976
DELTA = 46°28'20" LT
D = 22°39'57"
T = 108.53'
L = 205.03'
R = 252.79'
PC STA = 300+12.44
PT STA = 302+17.48



CURVE 1
PI STA = 19+70.49
Y = 194029.940
X = 501196.803
DELTA = 24°04'44" LT
D = 11°26'52"
T = 106.74'
L = 210.34'
R = 500.49'
PC STA = 18+63.75
PT STA = 20+74.08

CURVE 2
PI STA = 24+72.04
Y = 194234.769
X = 501658.072
DELTA = 26°06'54" RT
D = 8°27'55"
T = 156.98'
L = 308.50'
R = 676.83'
PC STA = 23+15.07
PT STA = 26+23.57

CURVE 3
PI STA = 29+79.37
Y = 194215.343
X = 502170.480
DELTA = 23°04'42" RT
D = 6°35'55"
T = 177.27'
L = 349.74'
R = 868.29'
PC STA = 28+02.09
PT STA = 31+51.83

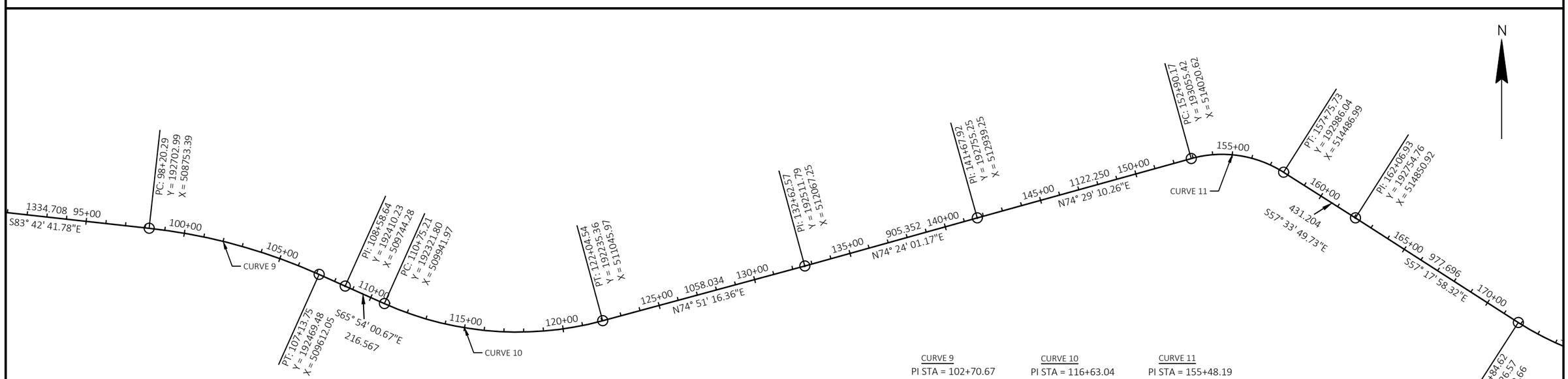
CURVE 4
PI STA = 47+69.33
Y = 193449.141
X = 503793.483
DELTA = 3°17'25" LT
D = 1°12'17"
T = 136.59'
L = 273.11'
R = 4755.85'
PC STA = 46+32.74
PT STA = 49+05.85

CURVE 5
PI STA = 51+06.24
Y = 193322.917
X = 504105.936
DELTA = 28°49'02" LT
D = 7°20'44"
T = 200.39'
L = 392.31'
R = 780.00'
PC STA = 49+05.85
PT STA = 52+98.15

CURVE 6
PI STA = 57+25.14
Y = 193397.416
X = 504728.885
DELTA = 8°08'51" RT
D = 3°26'54"
T = 118.33'
L = 236.27'
R = 1661.55'
PC STA = 56+06.81
PT STA = 58+43.08

CURVE 7
PI STA = 61+82.67
Y = 193386.806
X = 505186.686
DELTA = 12°29'53" RT
D = 3°00'18"
T = 208.78'
L = 415.90'
R = 1906.62'
PC STA = 59+73.89
PT STA = 63+89.79

CURVE 8
PI STA = 83+14.45
Y = 192867.985
X = 507256.073
DELTA = 7°51'21" LT
D = 2°17'30"
T = 171.67'
L = 342.80'
R = 2500.21'
PC STA = 81+42.78
PT STA = 84+85.58



CURVE 9
PI STA = 102+70.67
Y = 192653.656
X = 509201.055
DELTA = 17°50'58" RT
D = 1°59'52"
T = 450.38'
L = 893.46'
R = 2867.97'
PC STA = 98+20.29
PT STA = 107+13.75

CURVE 10
PI STA = 116+63.04
Y = 192081.775
X = 510478.558
DELTA = 39°14'43" LT
D = 3°28'30"
T = 587.83'
L = 1129.33'
R = 1648.75'
PC STA = 110+75.21
PT STA = 122+04.54

CURVE 11
PI STA = 155+48.19
Y = 193124.432
X = 514269.231
DELTA = 47°57'00" RT
D = 9°52'31"
T = 258.01'
L = 485.55'
R = 580.19'
PC STA = 152+90.17
PT STA = 157+75.73

3755-03-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0110	Clearing	SY	263.000	263.000
0004	201.0120	Clearing	ID	593.000	593.000
0006	201.0210	Grubbing	SY	263.000	263.000
0008	201.0220	Grubbing	ID	593.000	593.000
0010	204.9060.S	Removing (item description) 01. Removing Landscape Monuments	EACH	4.000	4.000
0012	204.9060.S	Removing (item description) 02. Removing Wooden Fence Posts	EACH	3.000	3.000
0014	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	12.000	12.000
0016	213.0100	Finishing Roadway (project) 3755-03-70	EACH	1.000	1.000
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	78.000	78.000
0020	455.0605	Tack Coat	GAL	5.000	5.000
0022	465.0105	Asphaltic Surface	TON	65.000	65.000
0024	619.1000	Mobilization	EACH	1.000	1.000
0026	624.0100	Water	MGAL	2.000	2.000
0028	625.0100	Topsoil	SY	350.000	350.000
0030	627.0200	Mulching	SY	350.000	350.000
0032	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0034	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0036	629.0210	Fertilizer Type B	CWT	0.220	0.220
0038	630.0175	Seeding Mixture No. 75	LB	0.600	0.600
0040	630.0200	Seeding Temporary	LB	1.100	1.100
0042	630.0500	Seed Water	MGAL	8.000	8.000
0044	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	8.000	8.000
0046	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	43.000	43.000
0048	637.2230	Signs Type II Reflective F	SF	325.500	325.500
0050	638.2102	Moving Signs Type II	EACH	3.000	3.000
0052	638.2602	Removing Signs Type II	EACH	14.000	14.000
0054	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0056	638.4000	Moving Small Sign Supports	EACH	3.000	3.000
0058	643.0300	Traffic Control Drums	DAY	24.000	24.000
0060	643.0900	Traffic Control Signs	DAY	504.000	504.000
0062	643.5000	Traffic Control	EACH	1.000	1.000
0064	646.1020	Marking Line Epoxy 4-Inch	LF	21,243.000	21,243.000
0066	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	26,119.000	26,119.000
0068	646.3020	Marking Line Epoxy 8-Inch	LF	198.000	198.000
0070	650.9910	Construction Staking Supplemental Control (project) 3755-03-70	LS	1.000	1.000
0072	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	100.000	100.000
0074	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	300.000	300.000

3

CLEARING & GRUBBING

STREET	STATION TO STATION	OFFSET	CLEARING 201.0110 SY	CLEARING 201.0120 ID	GRUBBING 201.0210 SY	GRUBBING 201.0220 ID
CTH D	40+26	RT	--	33	--	33
CTH D	42+67 - 44+25	LT	263	--	263	--
CTH D	43+09	RT	--	17	--	17
CTH D	46+65	RT	--	40	--	40
CTH D	47+01	RT	--	35	--	35
CTH D	47+35	RT	--	19	--	19
CTH D	47+47	RT	--	55	--	55
CTH D	47+88	RT	--	60	--	60
CTH D	48+48	LT	--	42	--	42
CTH D	90+85	RT	--	50	--	50
CTH D	122+10	LT	--	38	--	38
CTH D	122+26	LT	--	33	--	33
CTH D	270+51	LT	--	12	--	12
CTH D	270+67	LT	--	18	--	18
CTH D	270+81	LT	--	12	--	12
CTH D	270+85	RT	--	16	--	16
CTH D	270+91	LT	--	15	--	15
CTH D	271+45	LT	--	22	--	22
CTH D	271+72	LT	--	12	--	12
CTH D	284+47	LT	--	22	--	22
CTH D	285+07	LT	--	35	--	35
CTH D	285+85	LT	--	40	--	40
	PROJECT TOTAL		263	593	263	593

REMOVAL ITEMS

STREET	STATION	OFFSET	204.9060.S.01 REMOVING LANDSCAPE MONUMENTS EACH	204.9060.S.02 REMOVING WOODEN FENCE POSTS EACH
CTH D	265+35	27' LT	1	--
CTH D	265+55	27' LT	1	--
CTH D	272+10	25.5' LT	1	--
CTH D	272+30	25.5' LT	1	--
CTH D	273+88	28' RT	--	1
CTH D	275+14	28' RT	--	1
CTH D	275+21	24' RT	--	1
PROJECT TOTAL			4	3

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

PREPARE FOUNDATION

STREET	FROM		TO	LT/RT	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA
CTH D	48+00	-	54+00	LT	6
CTH D	48+00	-	54+00	RT	6
PROJECT TOTALS					12

LOCATION	213.0100 FINISHING ROADWAY EACH
CTH D	1
PROJECT TOTAL	1

BASE AGGREGATE

STREET	STATION	TO	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON
CTH O	48+00	-	54+00	65
CTH O	UNDISTRIBUTED			13
PROJECT TOTAL				78

3

ASPHALTIC SURFACES

STREET	FROM		TO	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON
CTH D	48+00	-	54+00	5	65
PROJECT TOTALS				5	65

WATER

STREET	FROM		TO	624.0100 MGAL
CTH D	48+00	-	54+00	1.0
CTH D	UNDISTRIBUTED			1.0
PROJECT TOTAL				2

NOTE: WATER USED FOR BASE AGGREGATE

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

EROSION CONTROL & RESTORATION

STREET	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
CTH D	UNDISTRIBUTED	350	350	0.22	0.6	1.1	8
		350	350	0.22	0.6	1.1	8

NOTE: EROSION CONTROL AND RESTORATION QUANTITIES TO BE USED IN AREAS OF CLEARING AND GRUBBING

EROSION CONTROL MOBILIZATIONS

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CTH D	1	1
PROJECT TOTAL	1	1

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TYPE II SIGNS

SIGN NO.	LOCATION	STATION		SIGN CODE	MESSAGE	SIZE		637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH POST HEIGHT 14 ft	634.0616 POSTS WOOD 4X6-INCH POST HEIGHT 16 ft	REMARKS
110-1	CTH D	16+14	17' RT	W1-5L	LEFT WINDING ROAD	30	30	6.25	1	--	
110-2	CTH D	17+50	20' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
110-3	CTH D	17+50	20' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 110-2
110-4	CTH D	18+75	13' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
110-5	CTH D	18+75	13' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 110-4
110-6	CTH D	20+00	20' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
110-7	CTH D	20+00	20' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 110-6
111-1	CTH D	21+25	24' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
111-2	CTH D	21+25	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 111-1
111-3	CTH D	22+75	32' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
111-4	CTH D	22+75	32' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 111-3
111-5	CTH D	24+00	31' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
111-6	CTH D	24+00	31' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 111-5
112-1	CTH D	25+25	24' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
112-2	CTH D	25+25	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 112-1
112-3	CTH D	26+25	27' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
112-4	CTH D	26+25	27' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 112-3
112-5	CTH D	27+75	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
112-6	CTH D	27+75	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 112-5
112-7	CTH D	29+00	24' LT	W1-8	CHEVRON ALIGNMENT LEFT	18	24	3.00	--	1	
112-8	CTH D	29+00	24' LT	W1-8	CHEVRON ALIGNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 112-7
113-1	CTH D	30+25	24' LT	W1-8	CHEVRON ALIGNMENT LEFT	18	24	3.00	--	1	
113-2	CTH D	30+25	24' LT	W1-8	CHEVRON ALIGNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 113-1
113-3	CTH D	31+50	17' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
113-4	CTH D	31+50	17' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 113-3
113-5	CTH D	33+38	30' LT	W1-5L	LEFT WINDING ROAD	30	30	6.25	1	--	
116-1	CTH D	44+89	46' RT	W1-4L	LEFT REVERSE CURVE	36	36	9.00	--	--	INSTALL ON EXISTING POST
119-1	CTH D	59+75	12' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
119-2	CTH D	59+75	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 119-1
119-3	CTH D	61+00	22' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
119-4	CTH D	61+00	22' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 119-3
119-5	CTH D	62+25	24' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
119-6	CTH D	62+25	24' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 119-5
119-7	CTH D	63+50	23' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
119-8	CTH D	63+50	27' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 119-7
119-9	CTH D	64+75	58' LT	W1-4L	LEFT REVERSE CURVE	36	36	9.00	1	--	
119-10	CTH D	64+75	45' LT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	ON SAME POST AS 119-9

(CONTINUED ON NEXT PAGE)

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TYPE II SIGNS (CONTINUED)

SIGN NO.	LOCATION	STATION		SIGN CODE	MESSAGE	SIZE		637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH POST HEIGHT 14 ft	634.0616 POSTS WOOD 4X6-INCH POST HEIGHT 16 ft	REMARKS
131-1	CTH D	121+15	18' RT	W5-52	BRIDGE HASH MARKS	12	36	3.00	1	--	
131-2	CTH D	121+55	18' LT	W5-52	BRIDGE HASH MARKS	12	36	3.00	1	--	
131-3	CTH D	121+85	18' RT	W5-52	BRIDGE HASH MARKS	12	36	3.00	1	--	
131-4	CTH D	121+90	18' LT	W5-52	BRIDGE HASH MARKS	12	36	3.00	1	--	
136-1	CTH D	147+10	40' RT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	INSTALL ON EXISTING POST
137-1	CTH D	153+00	29' LT	W1-8	CHEVRON ALIGNMENT LEFT	18	24	3.00	--	1	
137-2	CTH D	153+00	29' LT	W1-8	CHEVRON ALIGNMENT RIGHT	18	24	3.00	--		ON SAME POST AS 137-1
137-3	CTH D	154+25	22' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
137-4	CTH D	154+25	22' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 137-3
138-1	CTH D	155+25	34' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
138-2	CTH D	155+25	34' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 138-1
138-3	CTH D	156+50	25' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
138-4	CTH D	156+50	25' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 138-3
138-5	CTH D	157+75	24' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
138-6	CTH D	157+75	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 138-5
139-1	CTH D	162+58	28' LT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	INSTALL ON EXISTING POST
141-1	CTH D	170+15	42' RT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	ON SAME POST AS 141-2
141-2	CTH D	170+42	45' RT	W1-4L	LEFT REVERSE CURVE	36	36	9.00	--	--	INSTALL ON EXISTING POST
141-3	CTH D	171+50	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
141-4	CTH D	171+50	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 141-3
141-5	CTH D	172+75	29' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
141-6	CTH D	172+75	29' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 141-5
141-7	CTH D	174+00	30' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
141-8	CTH D	174+00	30' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 141-7
142-1	CTH D	175+25	23' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
142-2	CTH D	175+25	23' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 142-1
142-3	CTH D	176+75	29' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
142-4	CTH D	176+75	29' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 142-3
142-5	CTH D	178+00	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
142-6	CTH D	178+00	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 142-5
142-7	CTH D	179+25	24' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
142-8	CTH D	179+25	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 142-7
143-1	CTH D	180+50	22' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
143-2	CTH D	180+50	22' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 143-1
143-3	CTH D	184+75	27' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
143-4	CTH D	184+75	27' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 143-3
144-1	CTH D	186+00	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
144-2	CTH D	186+00	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 144-1
144-3	CTH D	187+25	27' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
144-4	CTH D	187+25	27' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 144-3
144-5	CTH D	188+50	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
144-6	CTH D	188+50	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 144-5

(CONTINUED ON NEXT PAGE)

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TYPE II SIGNS (CONTINUED)

SIGN NO.	LOCATION	STATION		SIGN CODE	MESSAGE	SIZE		637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH POST HEIGHT 14 ft	634.0616 POSTS WOOD 4X6-INCH POST HEIGHT 16 ft	REMARKS
145-1	CTH D	191+74	49' LT	W1-4L	LEFT REVERSE CURVE	36	36	9.00	1	--	
145-2	CTH D	192+15	45' LT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	ON SAME POST AS 145-1
146-1	CTH D	195+78	31' RT	W13-1	ADVISORY SPEED PLATE	24	24	4.00	--	--	INSTALL ON EXISTING POST
146-2	CTH D	199+00	24' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
146-3	CTH D	199+00	24' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 146-2
147-1	CTH D	200+00	26' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
147-2	CTH D	200+00	26' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 147-1
147-3	CTH D	201+50	23' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
147-4	CTH D	201+50	23' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 147-3
147-5	CTH D	202+75	35' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
147-6	CTH D	202+75	35' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 147-5
147-7	CTH D	204+00	32' LT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
147-8	CTH D	204+00	32' LT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--		ON SAME POST AS 147-7
148-1	CTH D	207+82	32' RT	W13-1	SPEED ADVISORY	24	24	4.00	--	--	INSTALL ON EXISTING POST
149-1	CTH D	212+00	19' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
149-2	CTH D	212+00	19' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 149-1
149-3	CTH D	213+50	23' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
149-4	CTH D	213+50	23' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 149-3
150-1	CTH D	214+75	17' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
150-2	CTH D	214+75	17' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 150-1
150-3	CTH D	216+00	26' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
150-4	CTH D	216+00	26' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 150-3
150-5	CTH D	217+25	28' RT	W1-8	CHEVRON ALIGHNMENT LEFT	18	24	3.00	--	1	
150-6	CTH D	217+25	28' RT	W1-8	CHEVRON ALIGHNMENT RIGHT	18	24	3.00	--	--	ON SAME POST AS 150-5
151-1	CTH D	220+26	48' LT	W13-1	SPEED ADVISORY	24	24	4.00	--	--	INSTALL ON EXISTING POST
164-1	CTH D	287+60	53' RT	W13-1	SPEED ADVISORY	24	24	4.00	--	--	INSTALL ON EXISTING POST
						TOTAL		325.50	8.00	43.00	

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

REMOVING SIGNS

Sheet No.	LOCATION	STATION		MESSAGE	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
113	CTH D	31+50	17'RT	SPEED LIMIT	1	--	--	1	MOVE TO 32+25, 17' RT
116	CTH D	44+87	17' RT	LEFT WINDING ROAD		1	--	--	
119	CTH D	61+21	32' LT	LEFT WINDING ROAD & ADVISORY SPEED PLATE	--	2	1	--	
119	CTH D	64+50	17'RT	SPEED LIMIT	1	--	--	1	MOVE TO 66+00, 17' LT
136	CTH D	147+03	21' RT	ADVISORY SPEED PLATE	--	1	--	--	
139	CTH D	162+43	33' LT	ADVISORY SPEED PLATE	--	1	--	--	
141	CTH D	170+17	17' RT	LEFT REVERSE CURVE & ADVISORY SPEED PLATE	--	2	--	--	
143	CTH D	183+91	38' LT	ROAD CURVES RIGHT & ADVISORY SPEED PLATE	--	2	1	--	
145	CTH D	191+95	28' LT	SPEED LIMIT	1	--	--	1	MOVE TO 196+00, 17' LT
146	CTH D	195+79	12' RT	ADVISORY SPEED PLATE	--	1	--	--	
148	CTH D	205+60	32' LT	ADVISORY SPEED PLATE	--	1	--	--	
148	CTH D	207+83	13' RT	ADVISORY SPEED PLATE	--	1	--	--	
151	CTH D	220+00	29' LT	ADVISORY SPEED PLATE	--	1	--	--	
164	CTH D	287+59	32' RT	ADVISORY SPEED PLATE	--	1	--	--	
				TOTAL	3	14	2	3	

3

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TRAFFIC CONTROL

PROJECT	643.5000 TRAFFIC CONTROL EACH
3755-03-70 CTH D	1
PROJECT TOTALS	1

TRAFFIC CONTROL

LOCATION	STAGE DAYS	643.0300 TRAFFIC CONTROL DRUMS DRUMS	DAY	643.0900 TRAFFIC CONTROL SIGNS SIGNS	DAY
PROJECT					
CTH D	42	--	--	12	504
SHOULDER PAVING OPERATIONS					
CTH D	1	24	24	--	--
PROJECT TOTALS			24		504

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

PAVEMENT MARKING

STREET	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH 12.5 LINE, 37.5 FT SKIP YELLOW LF	YELLOW LF	646.1040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF
CTH D	39+00 - 132+00	1514	10898	18112	--
CTH D	258+30 - 302+17.48	--	8831	8007	198
	PROJECT TOTAL	21,243		26,119	198

CONSTRUCTION STAKING ITEMS

ITEM	QUANTITY	UNIT	DESCRIPTION
650.9910	1	LS	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (ID 3755-03-70)

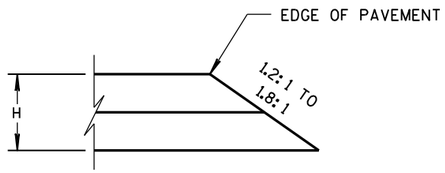
ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

Standard Detail Drawing List

14B29-01	SAFETY EDGE
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

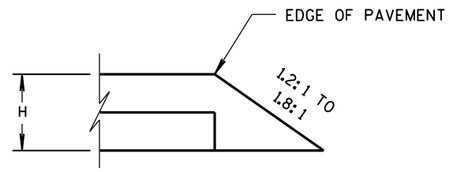
6

6



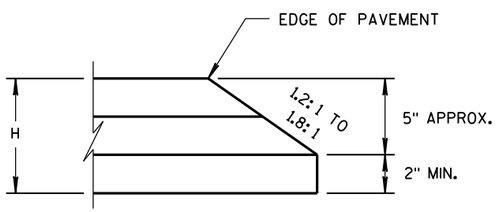
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



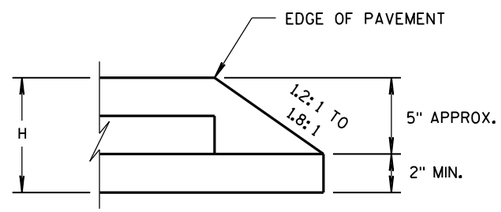
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

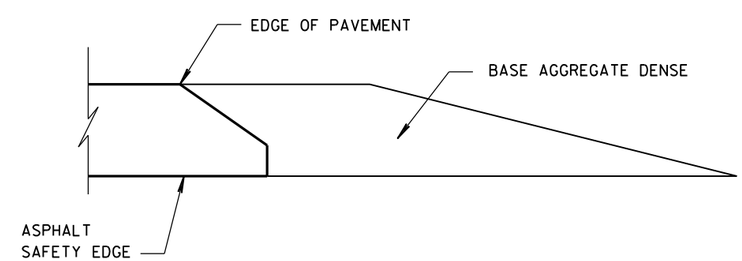
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012 — DATE

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

FHWA

GENERAL NOTES

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

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

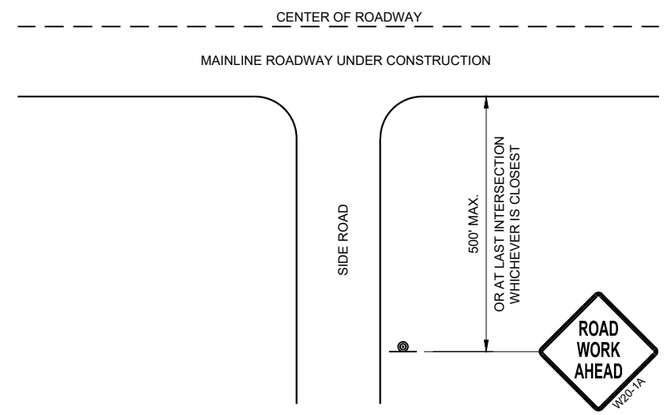
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

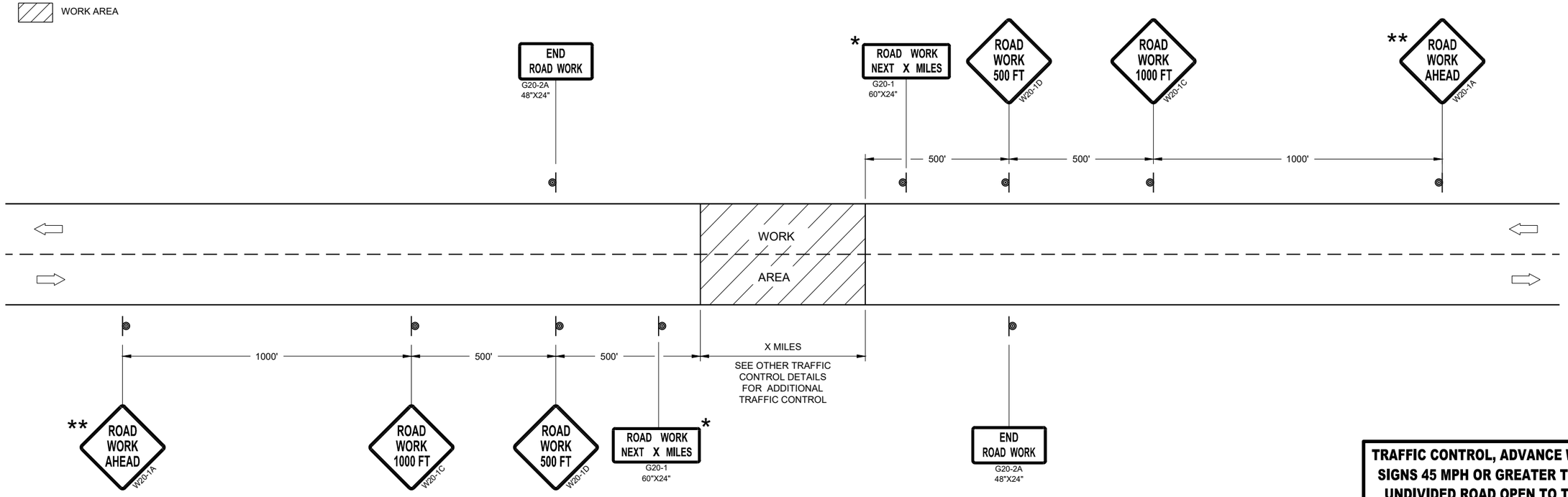
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

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



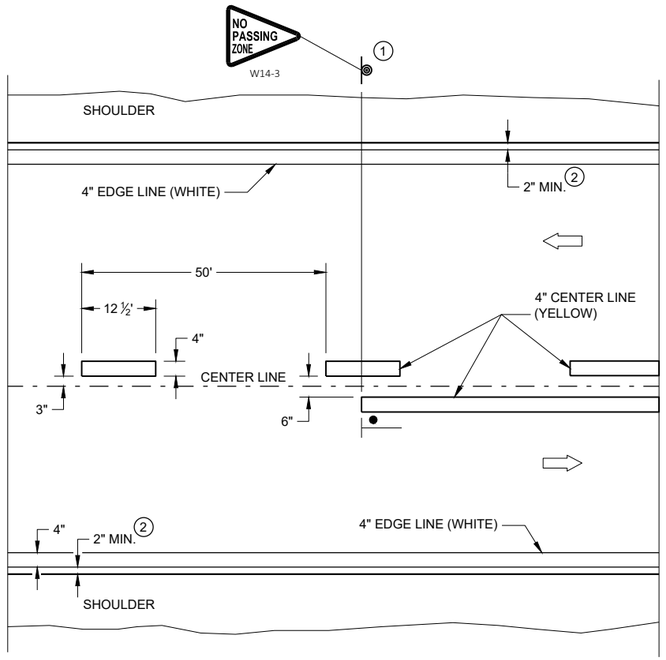
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

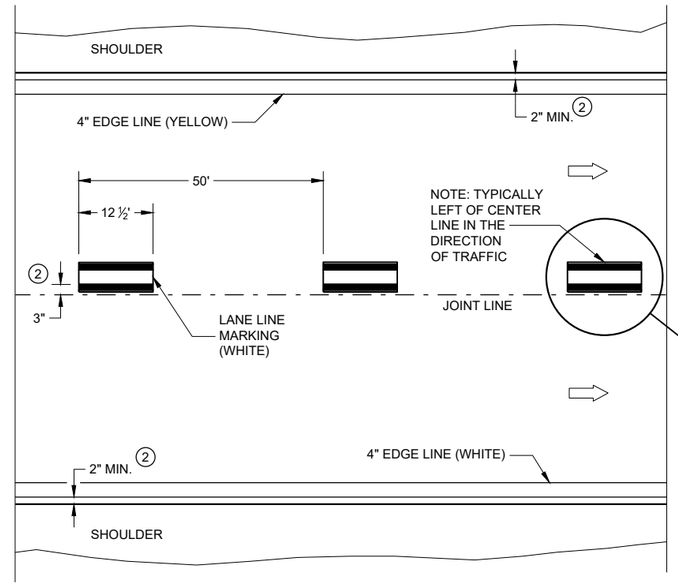
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6
SDD 15C04 - 05

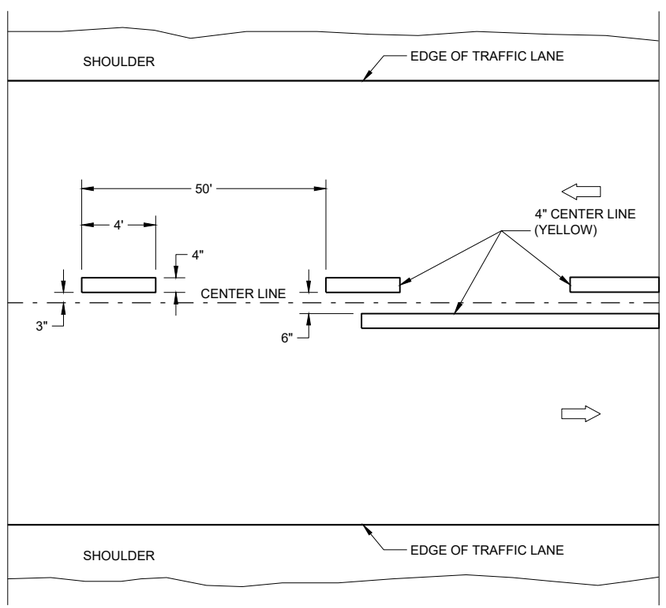


TWO WAY TRAFFIC

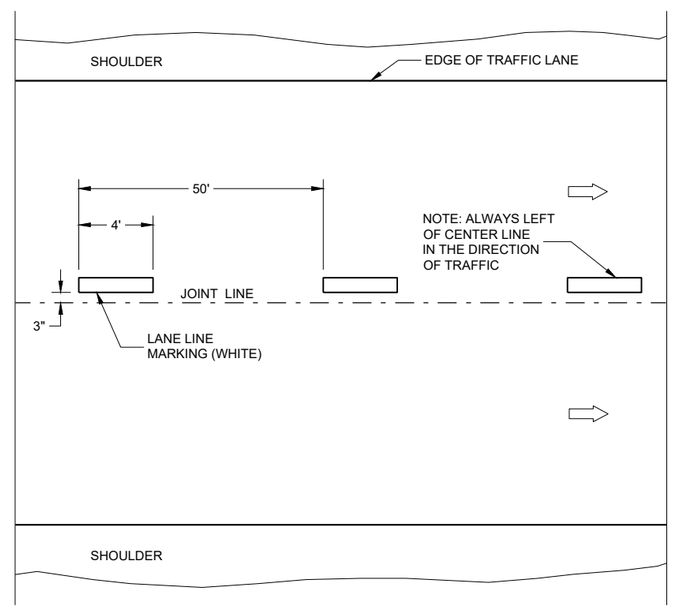


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

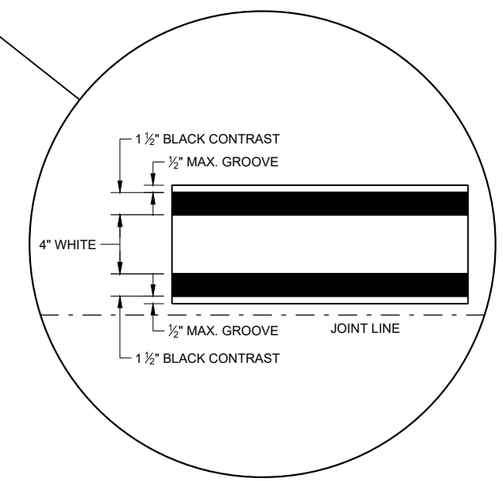
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

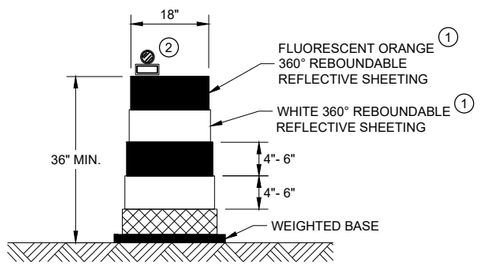
APPROVED
February 2020 — DATE
/S/ Matthew Rauch — STATEWIDE SIGNING AND M ENGINEER
FHWA

6

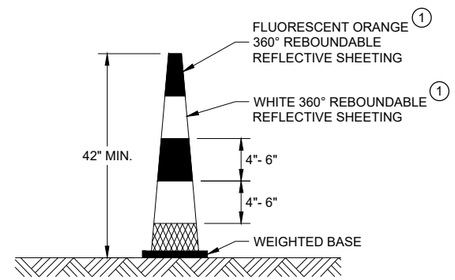
SDD 15C08 - 20a

GENERAL NOTES

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

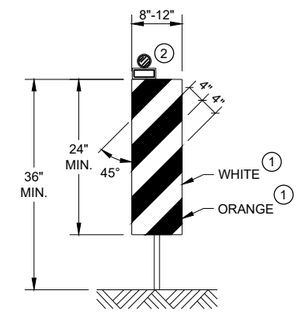


DRUM



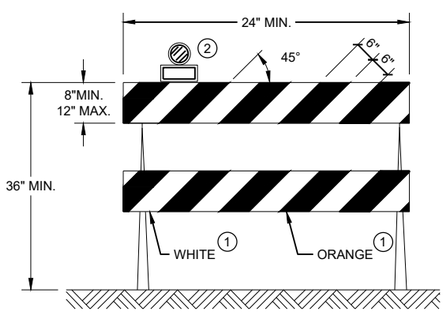
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



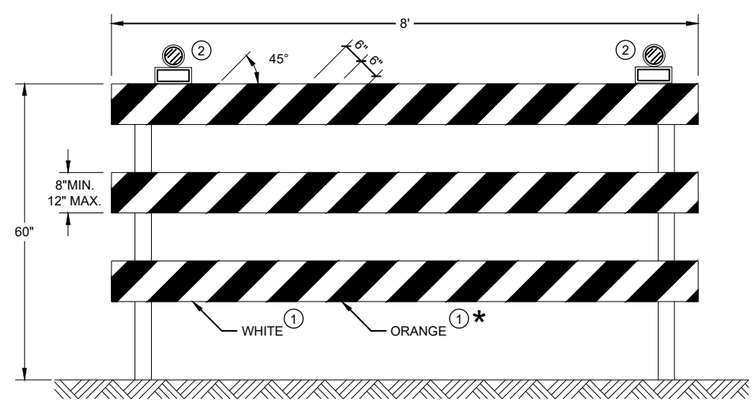
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6

6

SDD 15C11 - 09b

SDD 15C11 - 09b

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.

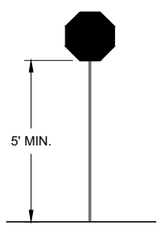
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR 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.



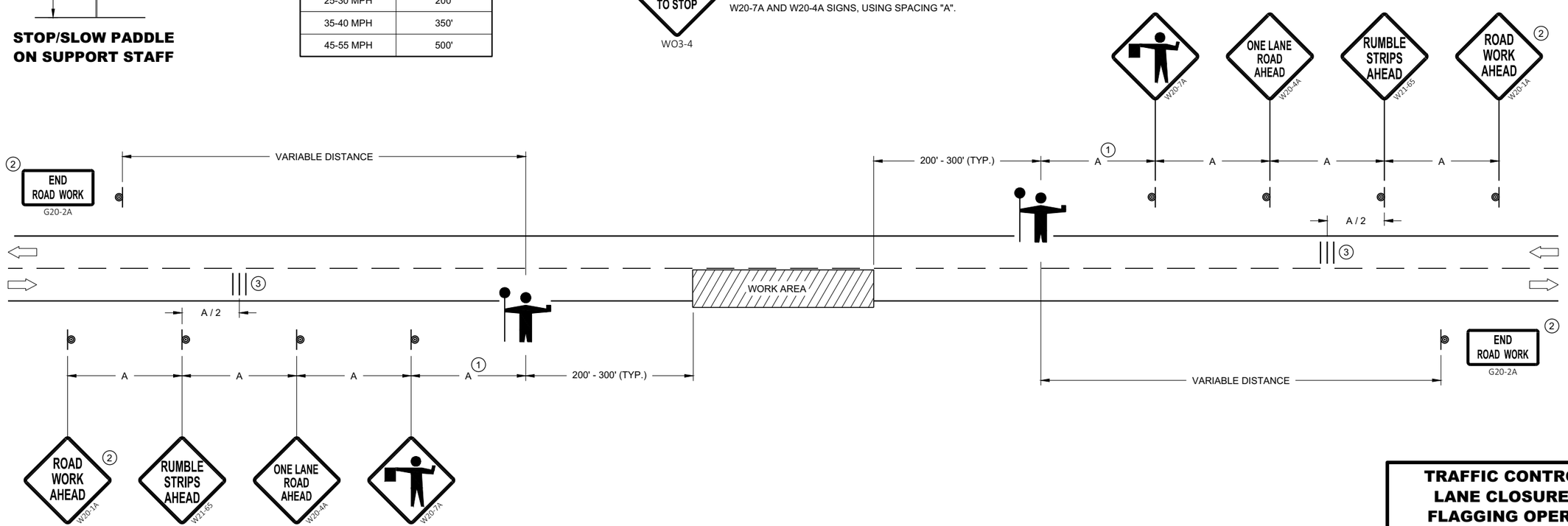
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

WO3-4

USE OF WO3-4 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

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6

SDD 15C12 - 07

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.

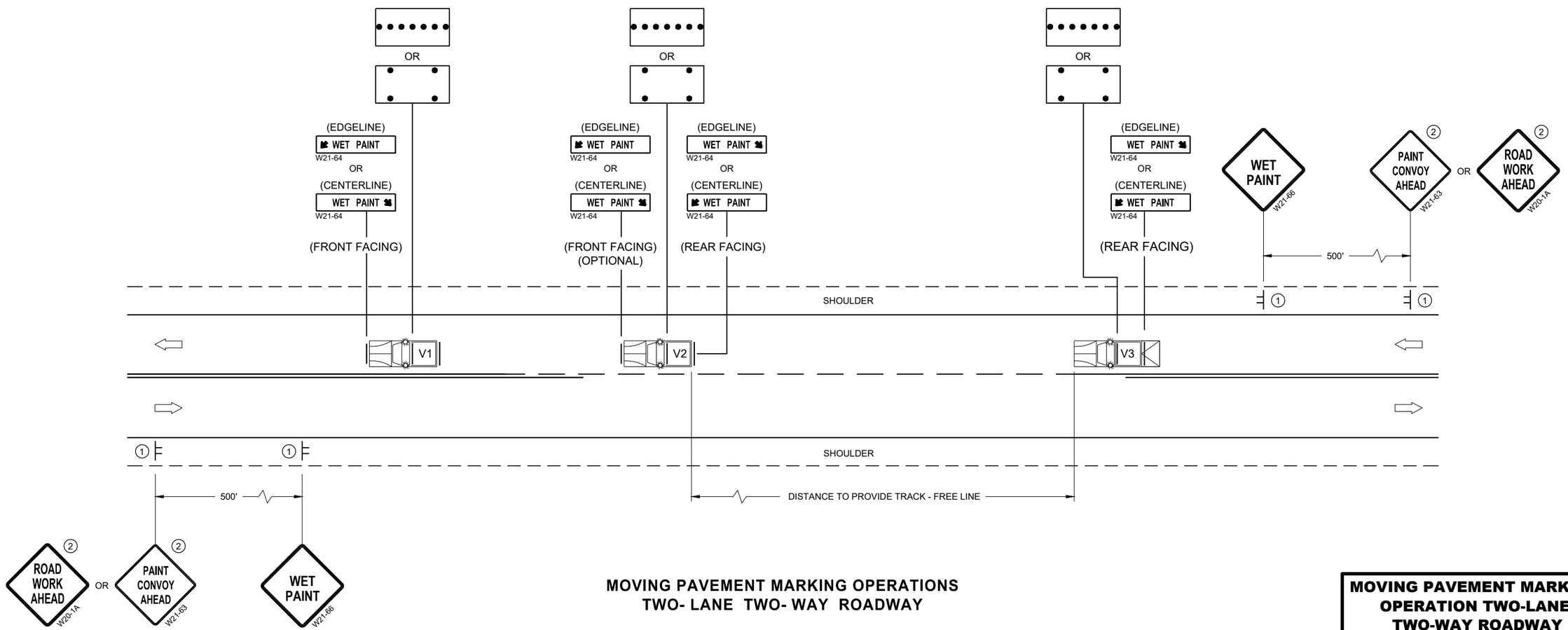
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

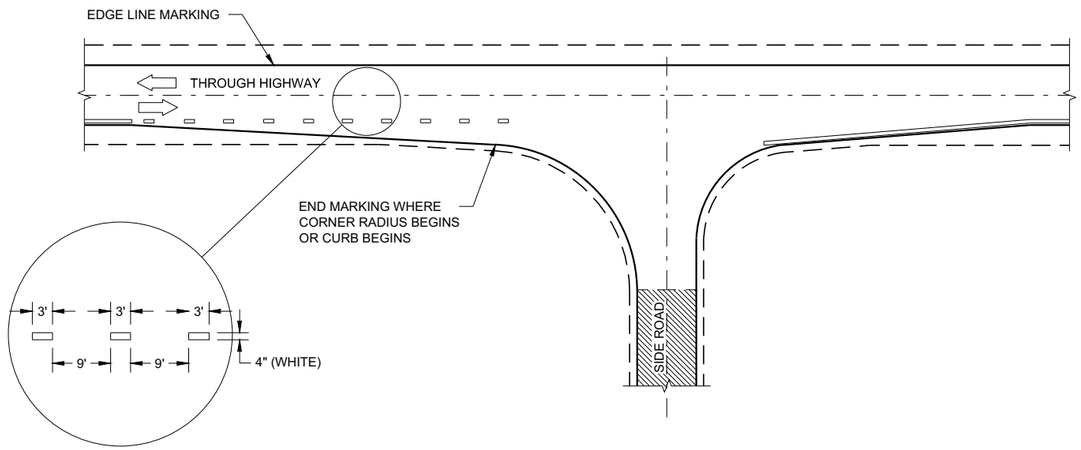
GENERAL NOTES

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

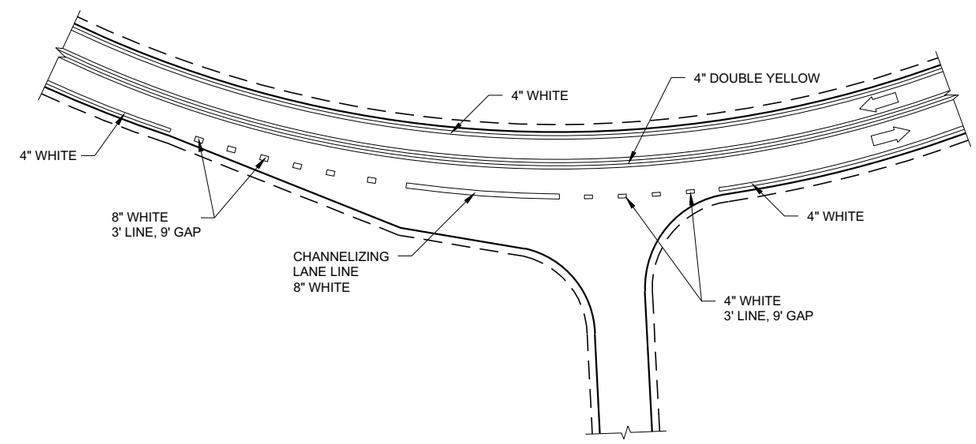
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

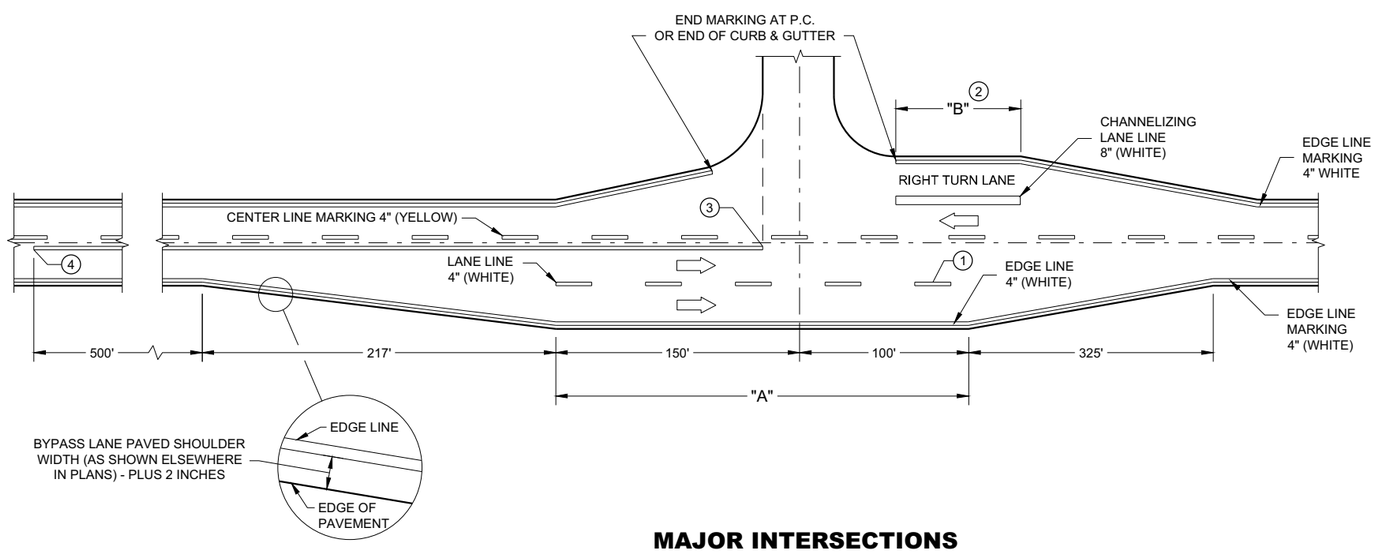
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15C35 - 04a

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.

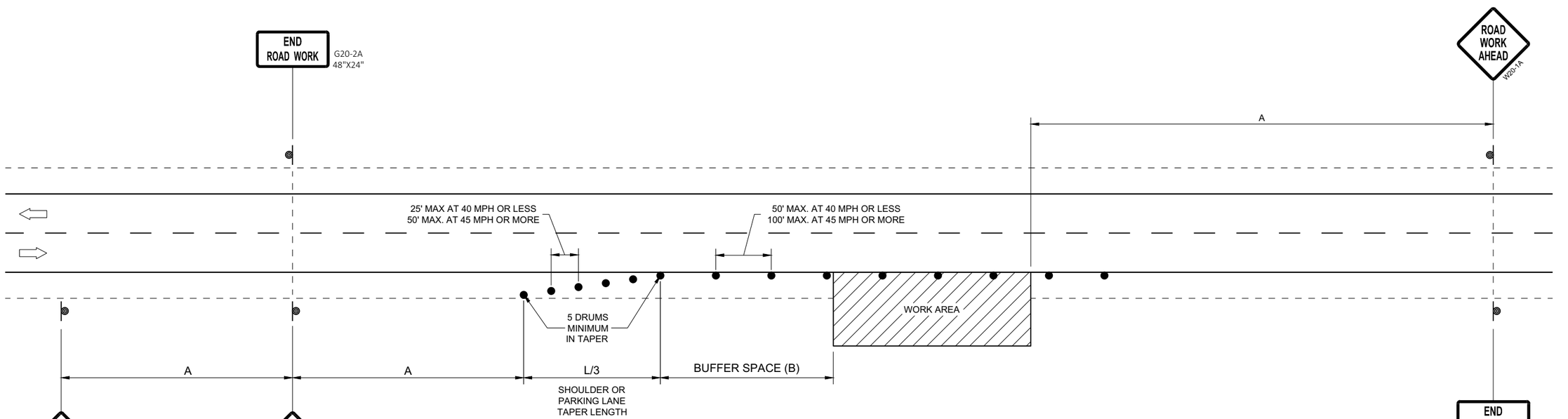
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.



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

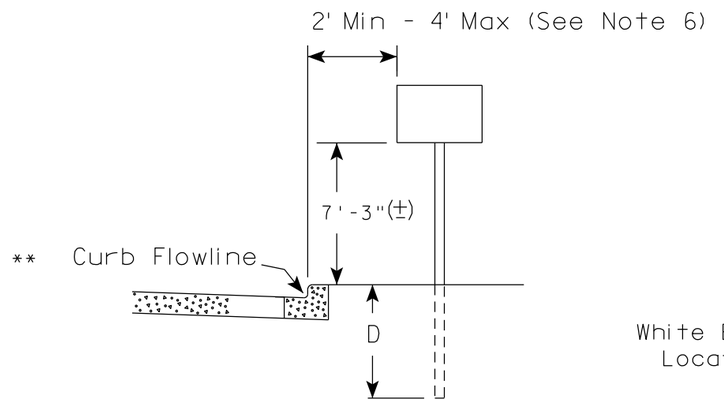
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

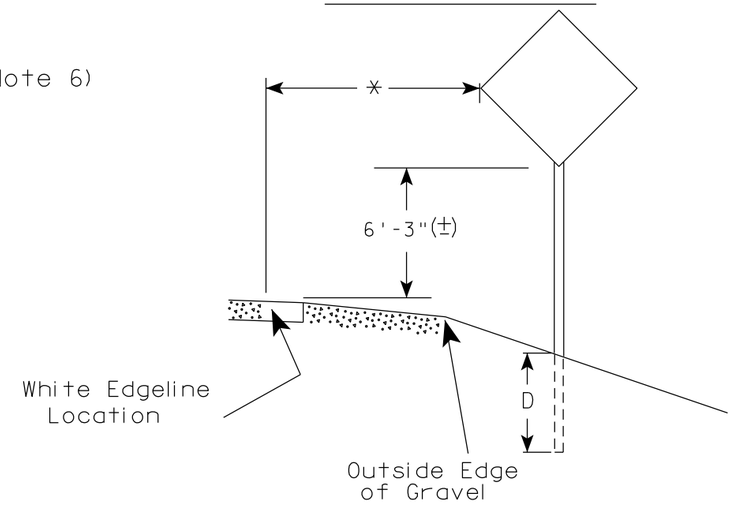
6

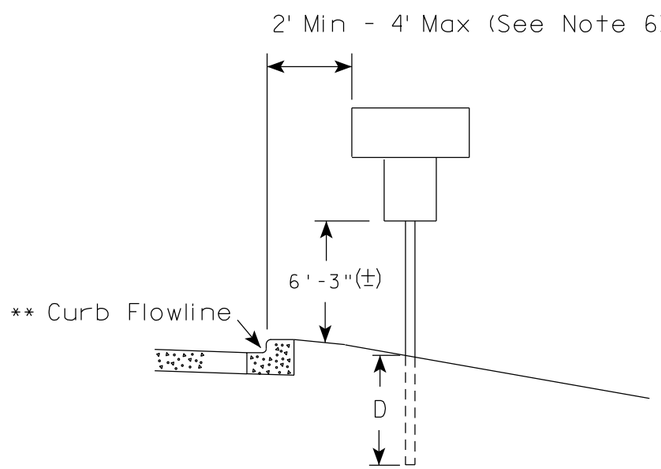
SDD 15D28 - 04

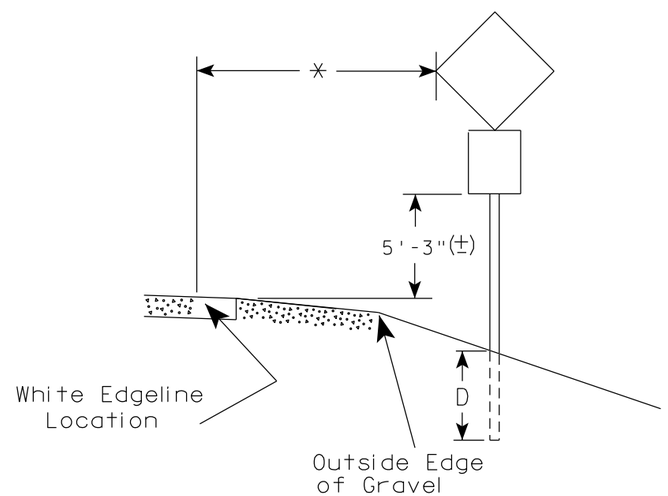
URBAN AREA



RURAL AREA (See Note 2)







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

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 directd by the Engineer.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

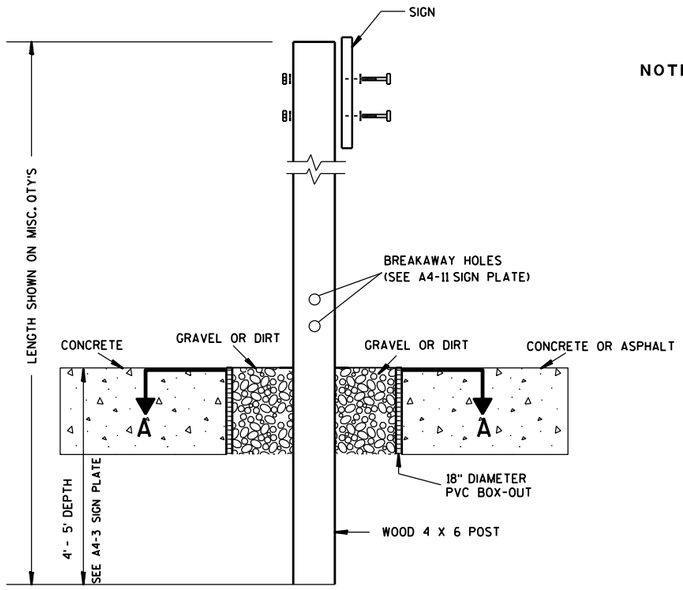
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

7 7

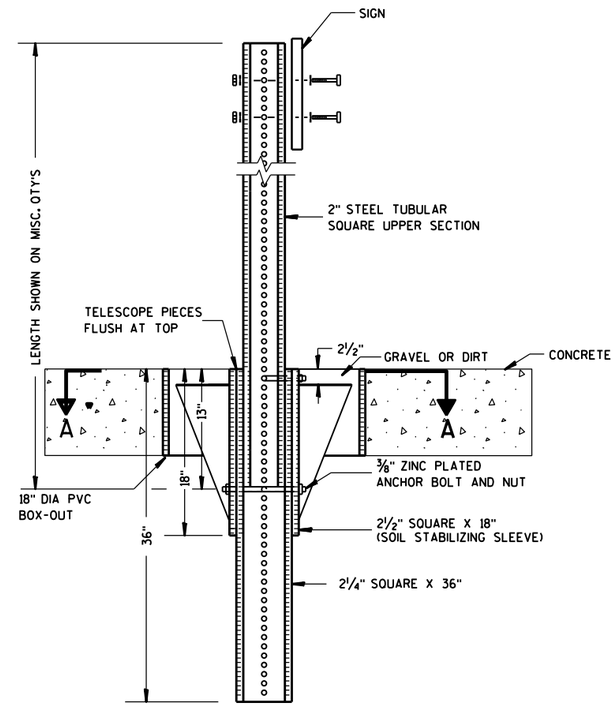
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 72	E



ELEVATION VIEW

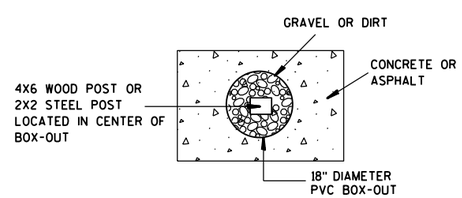
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

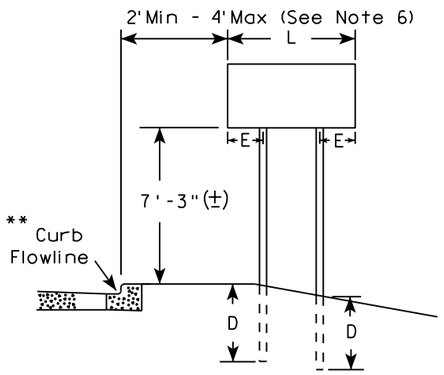
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

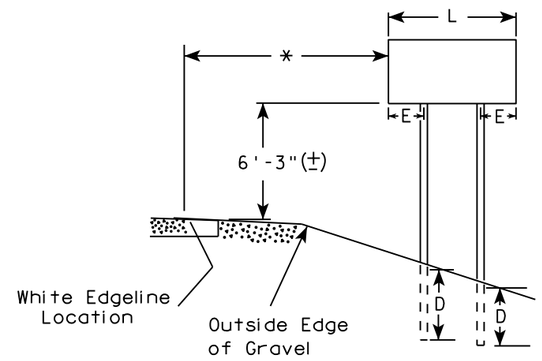
DATE 1/27/14 PLATE NO. A4-3B.1

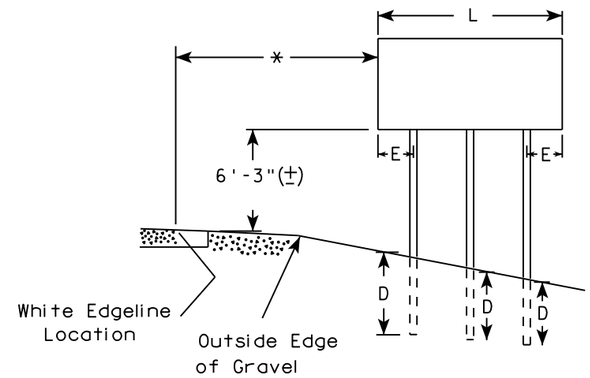
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

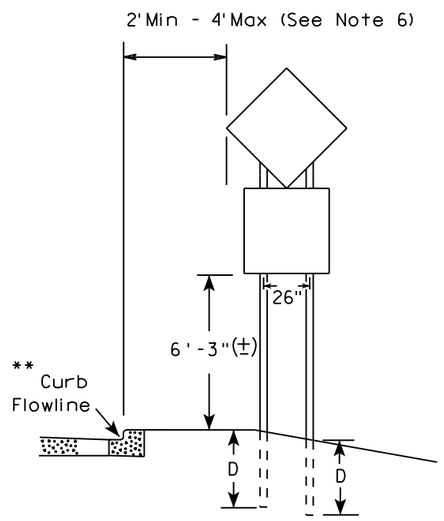
URBAN AREA



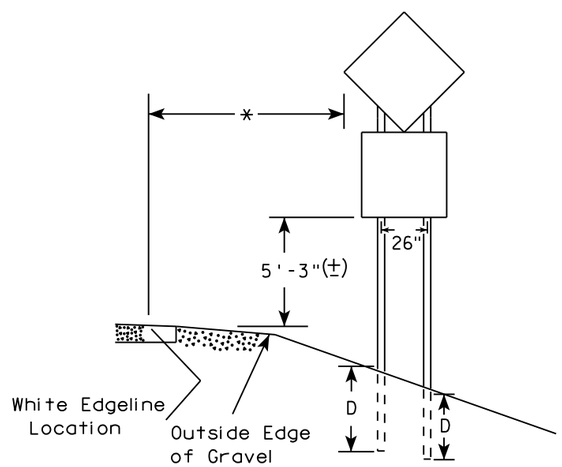
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 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" (±).

* 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

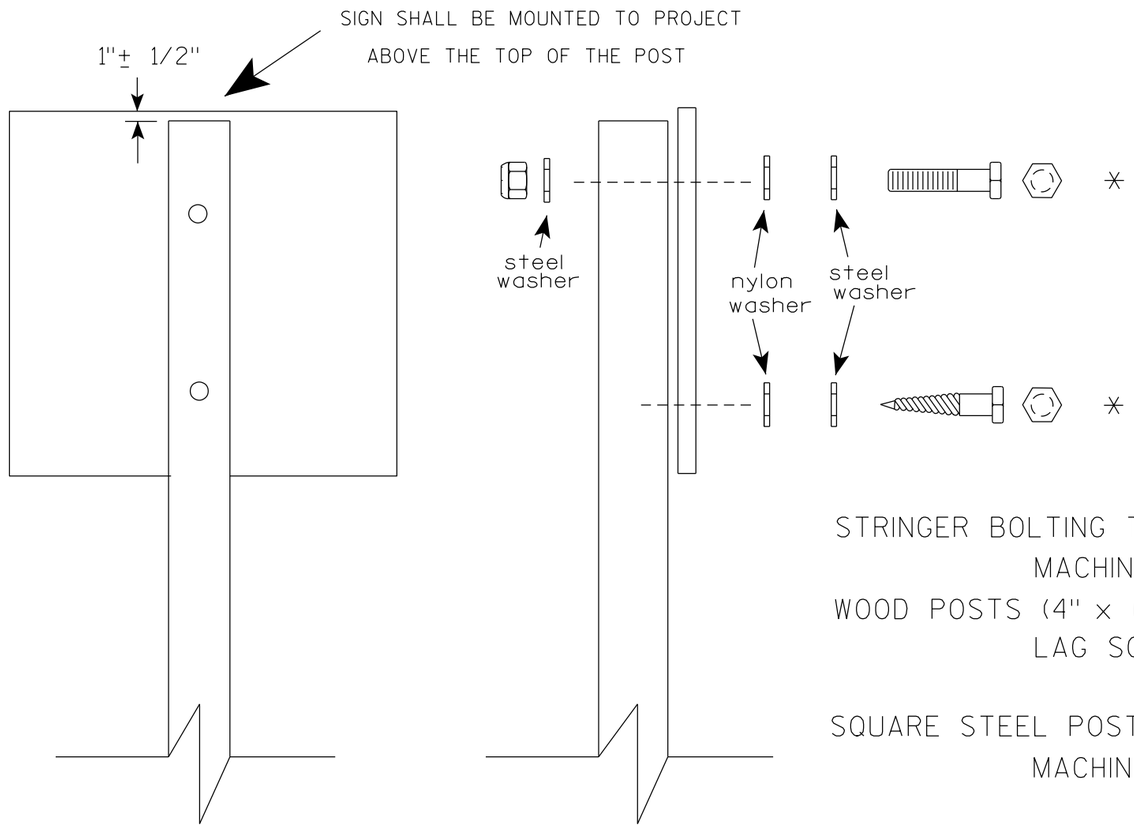
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 74	E



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

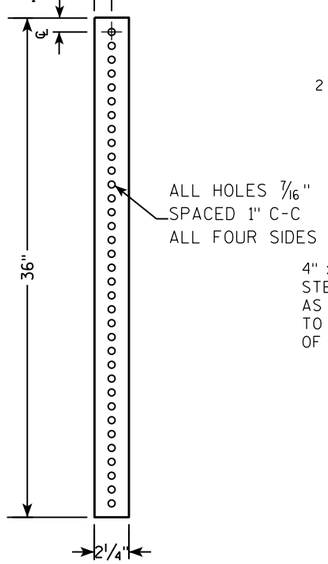
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

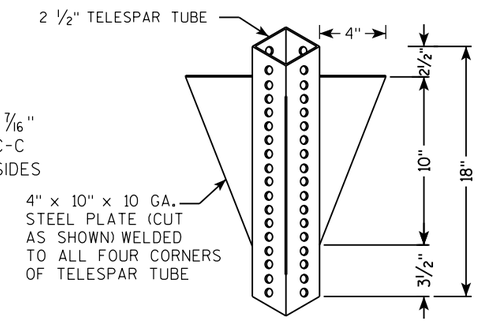
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

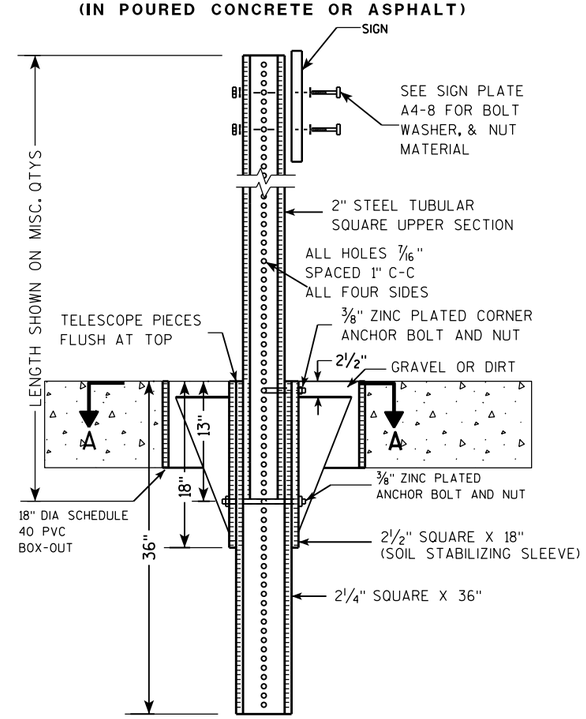
2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



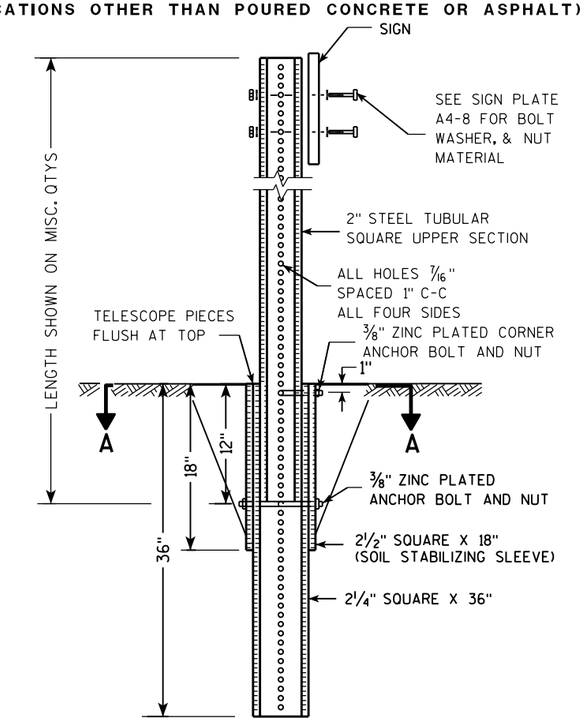
2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

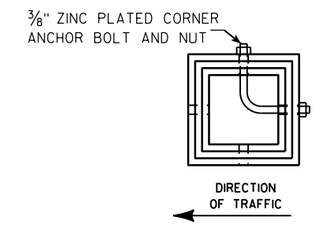


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

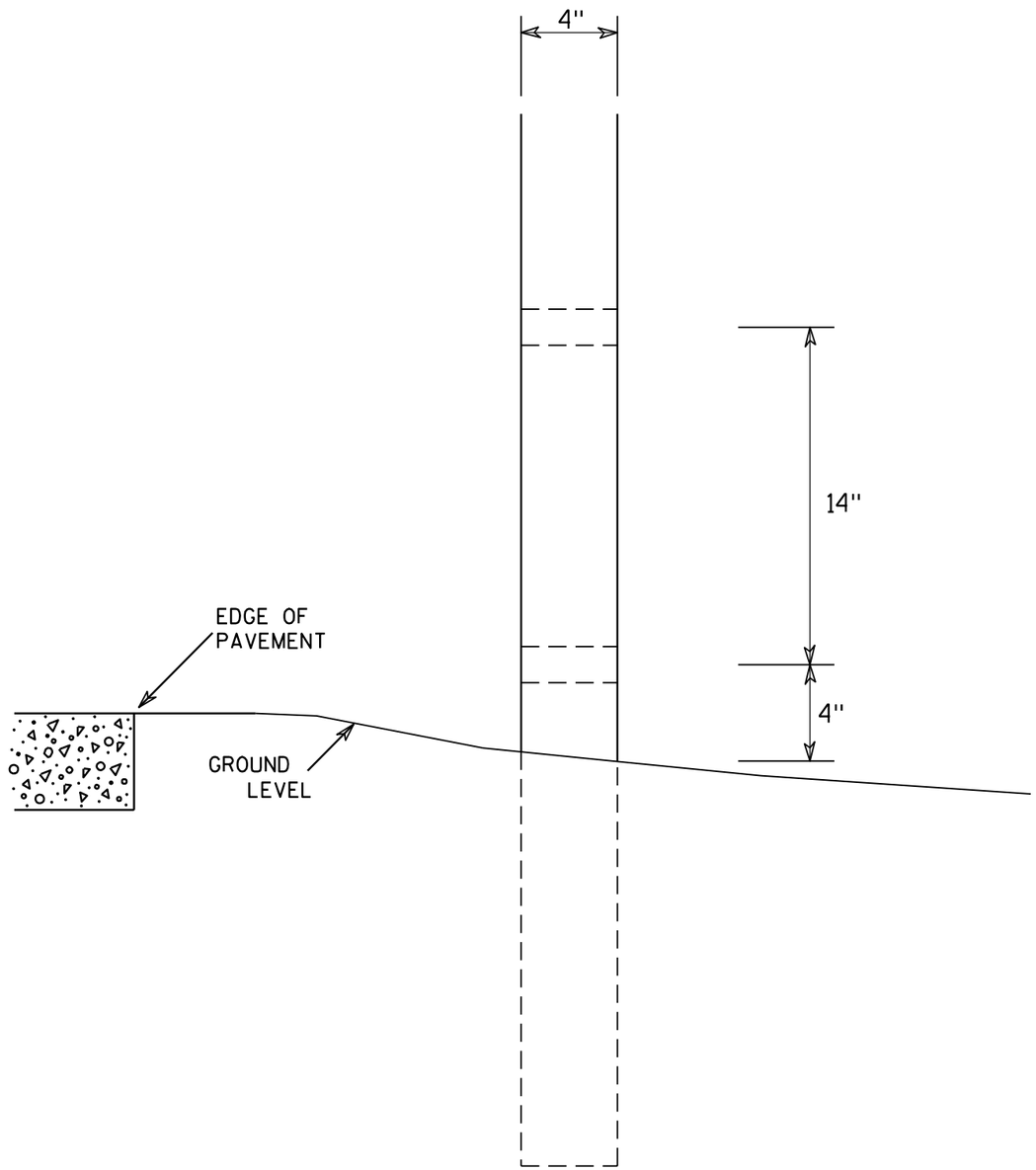
WISCONSIN DEPT OF TRANSPORTATION

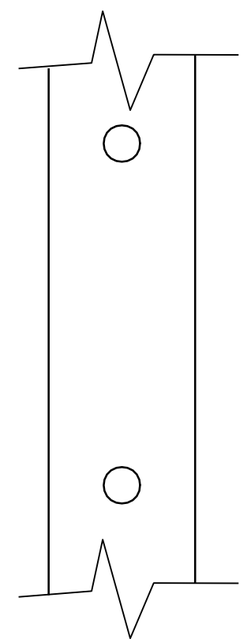
APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

7 7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E





SIDE VIEW

GENERAL NOTES

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

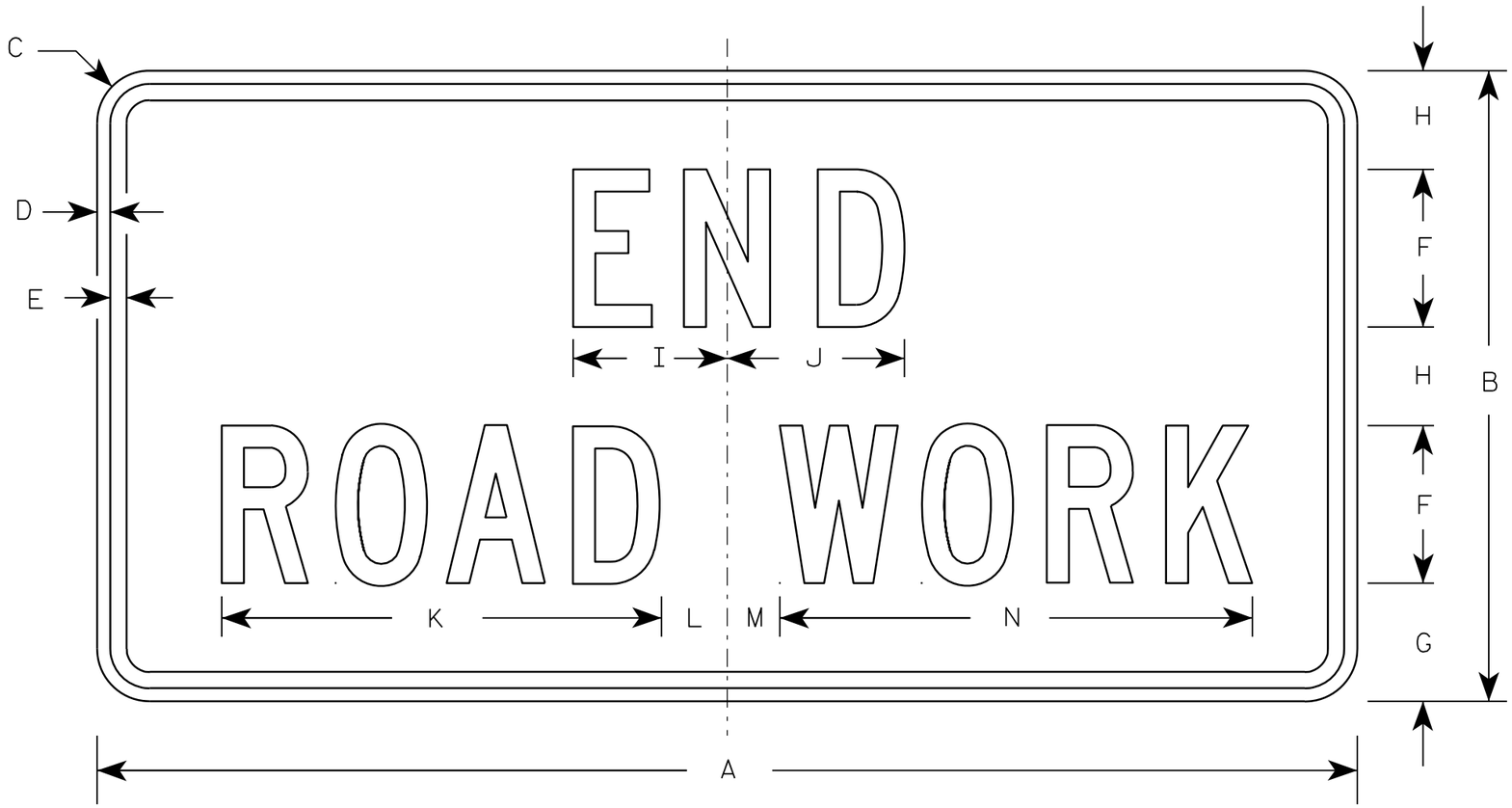
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 77	E



G20-2A

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN

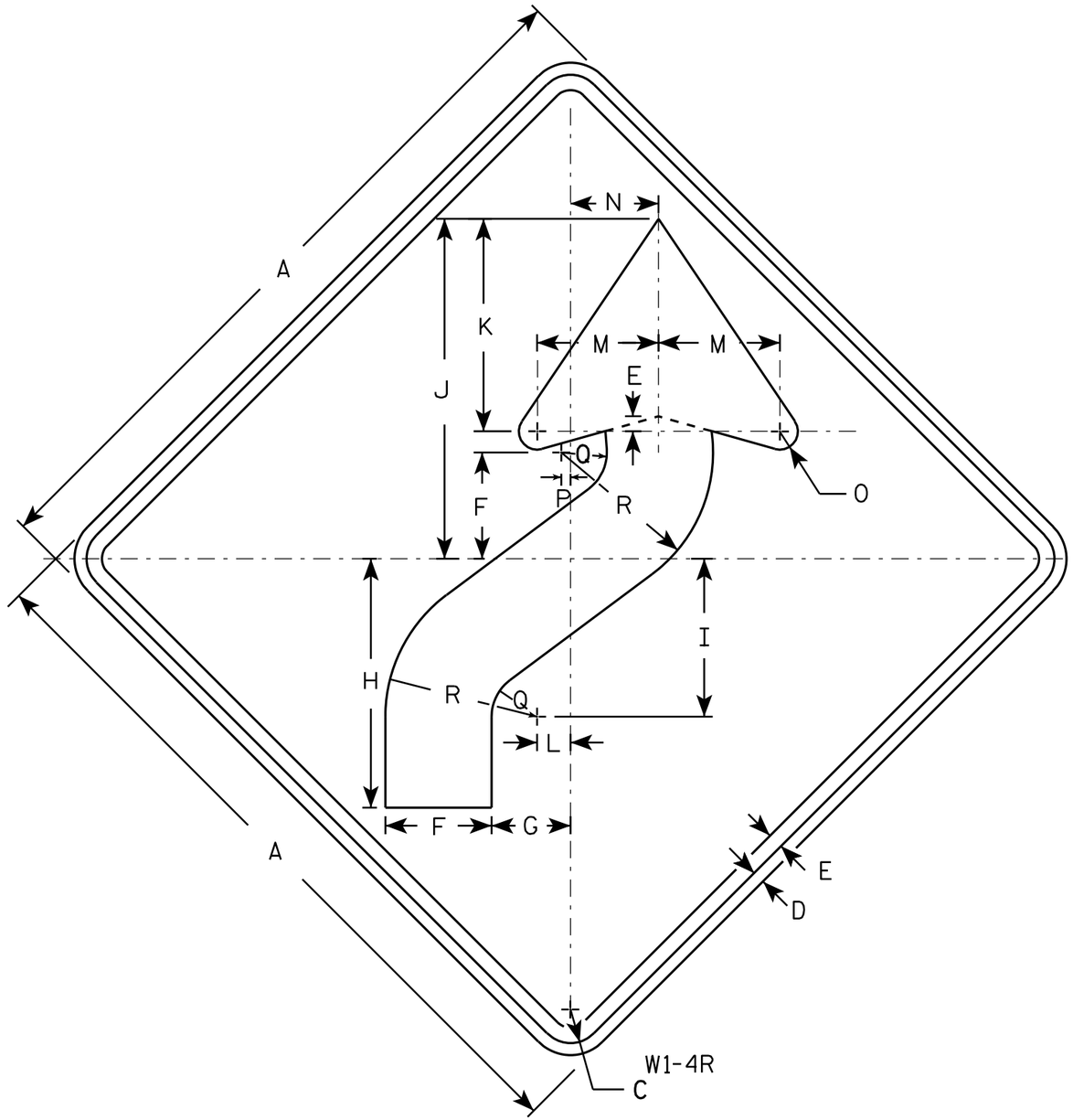
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 78	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. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

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

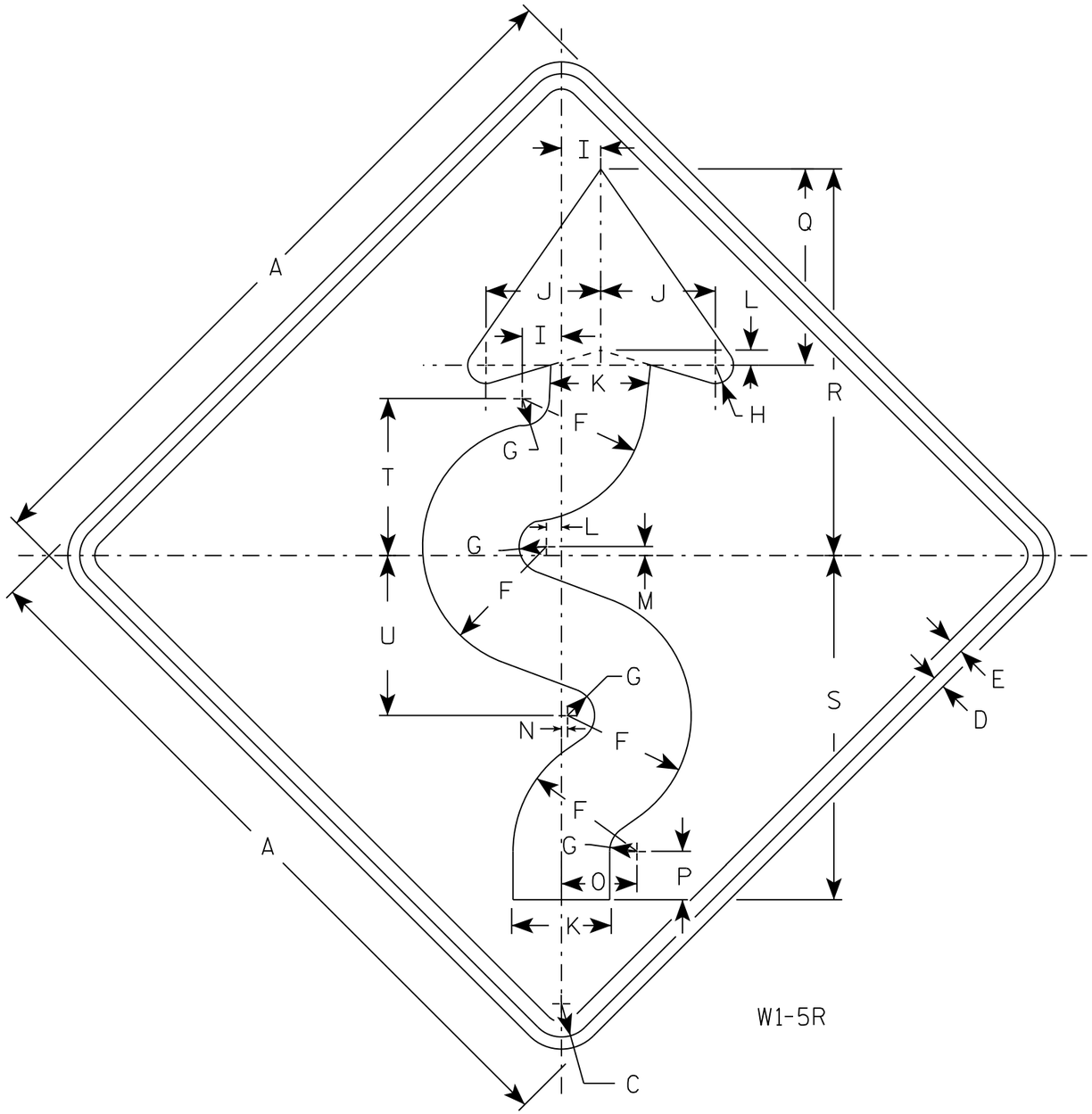
STANDARD SIGN
W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 79	E



W1-5R

NOTES

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

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

STANDARD SIGN
W1-5

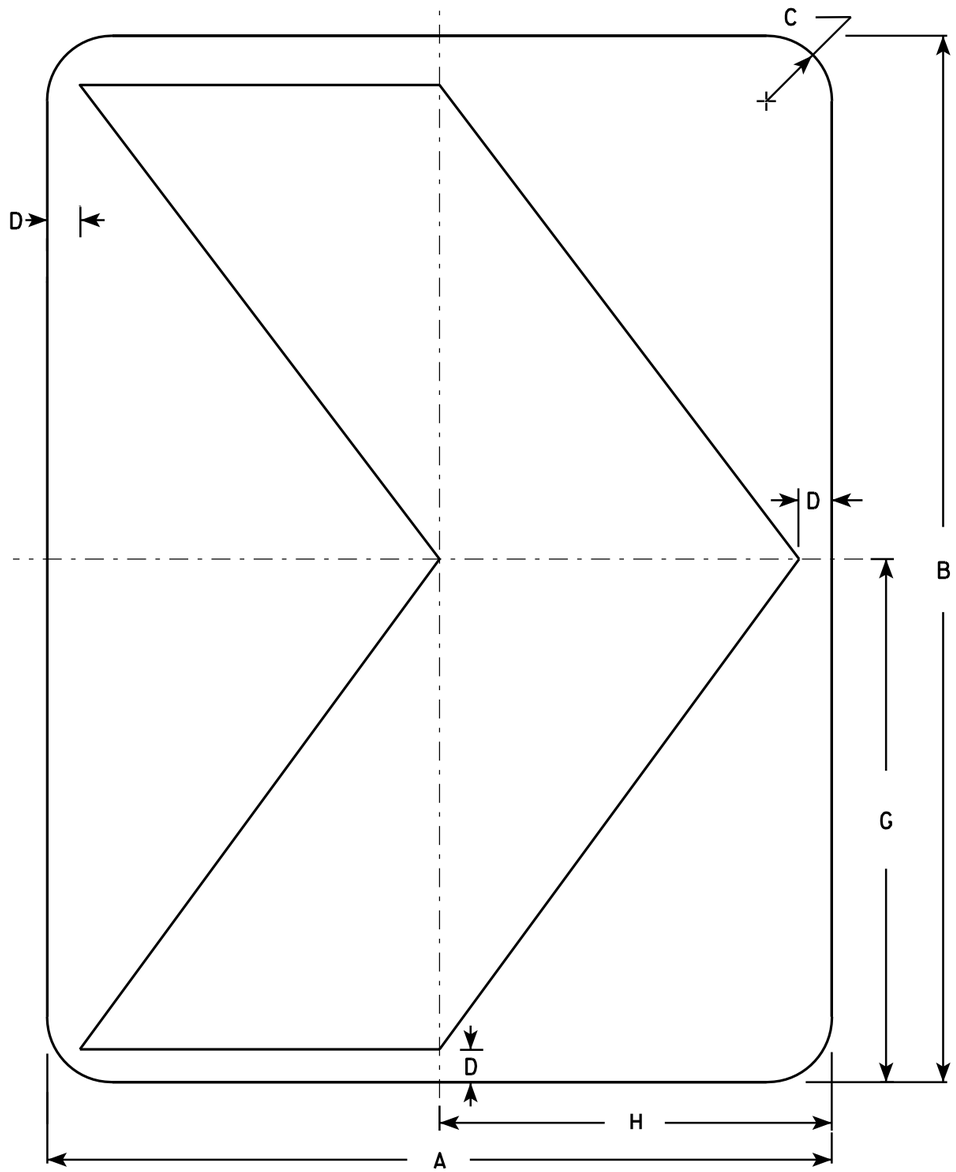
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/1/16 PLATE NO. W1-5.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tc_stdplate\W15.DGN PLOT DATE : 01-AUG-2016 09:34 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.594294:1.000000



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.

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

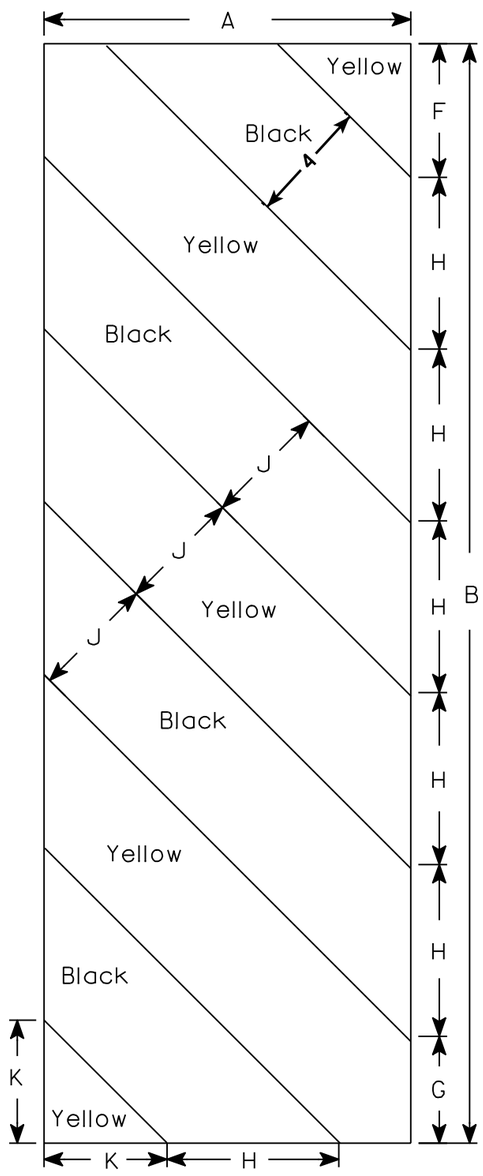
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

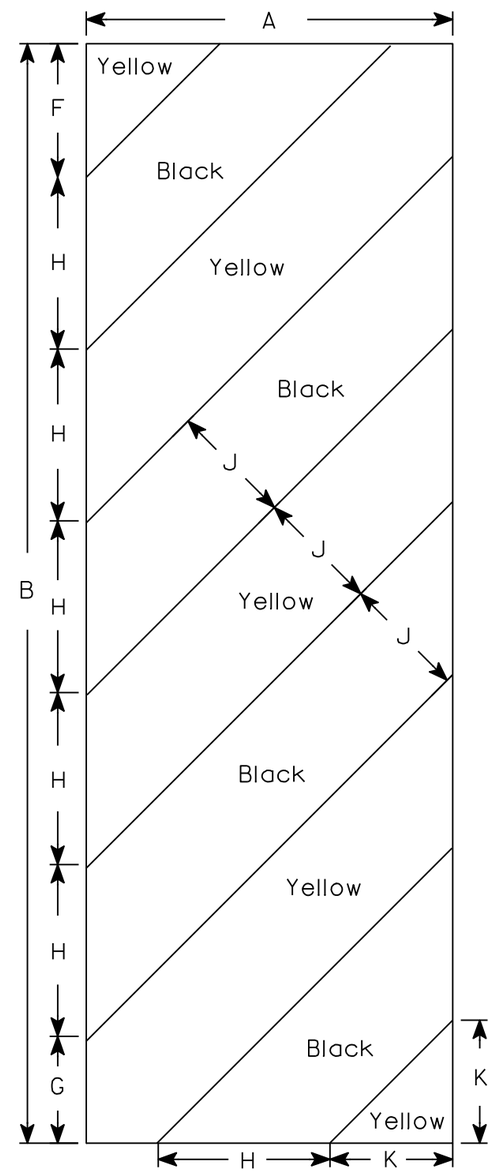
DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

SHEET NO: 81 E



W5-52L



W5-52R

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. Alternate colors of stripes as shown.

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

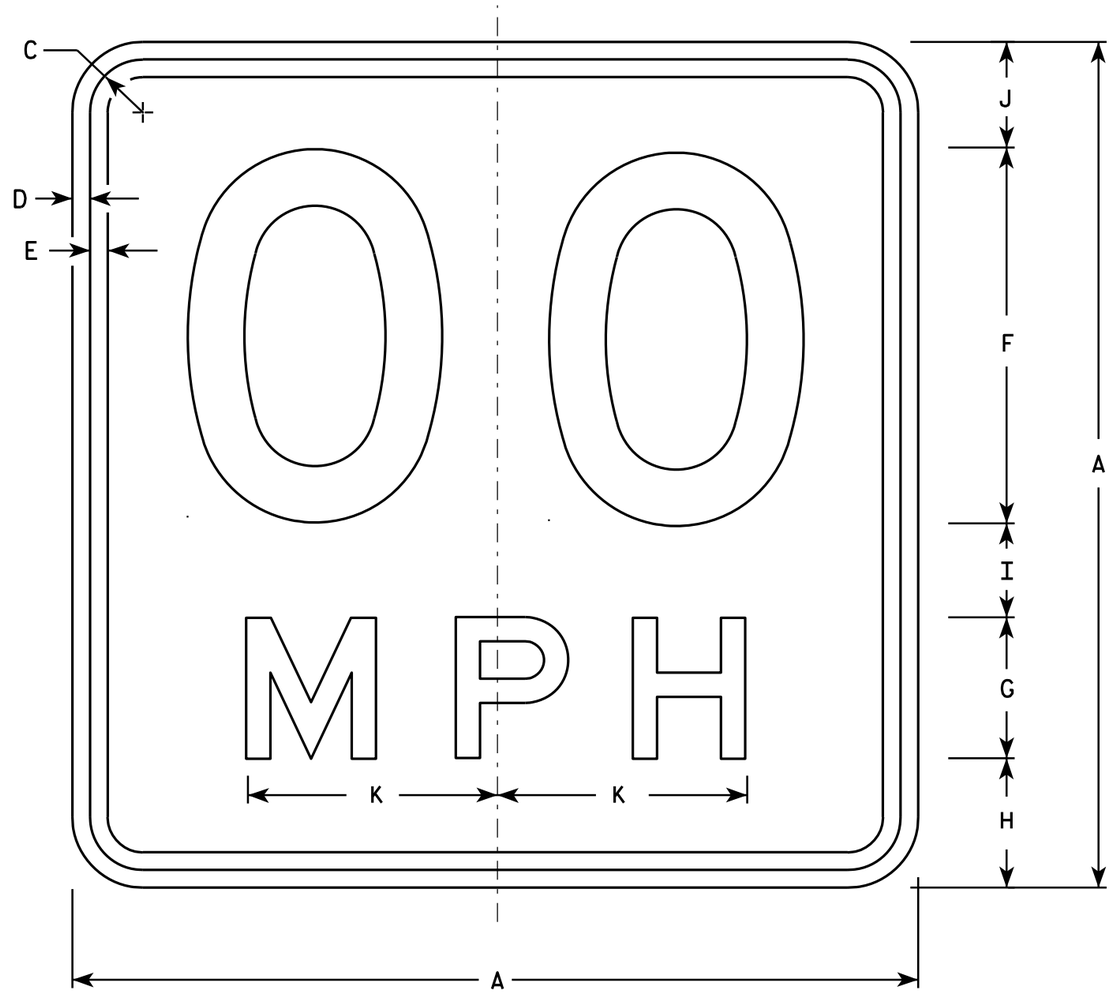
STANDARD SIGN
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 82 | 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.

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

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

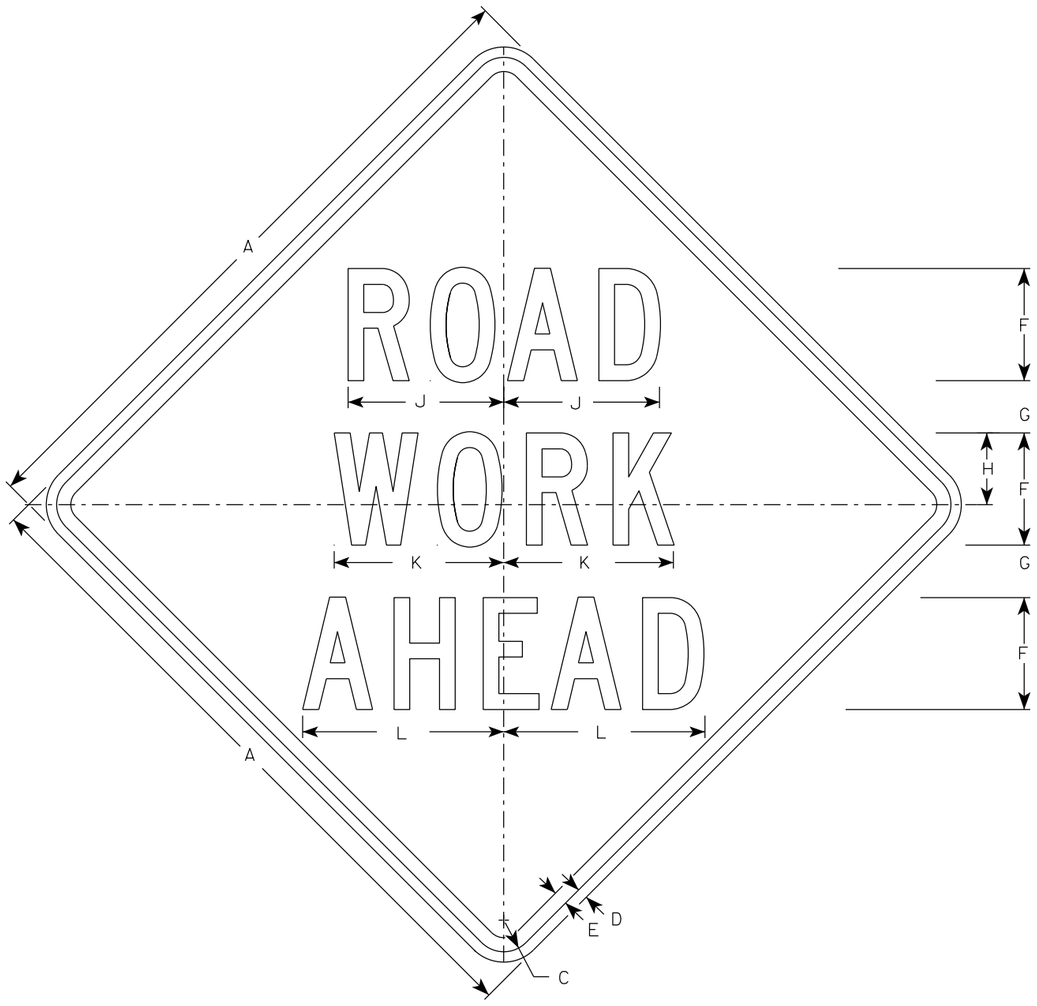
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

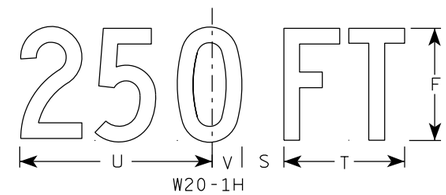
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 83	E

NOTES

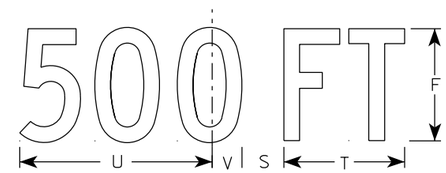
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



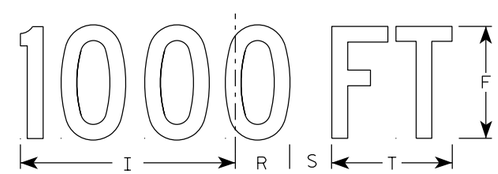
W20-1A



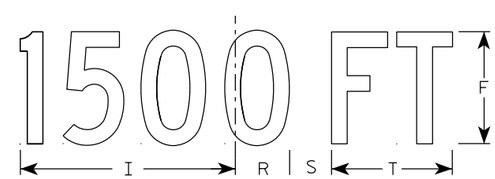
W20-1H



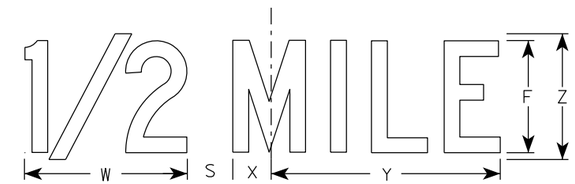
W20-1D



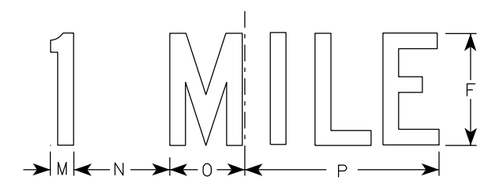
W20-1C



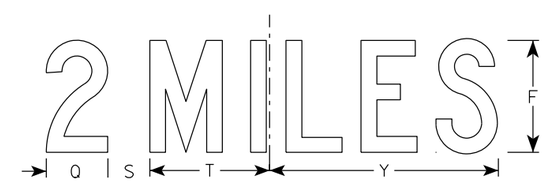
W20-1B



W20-1G



W20-1F



W20-1E

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

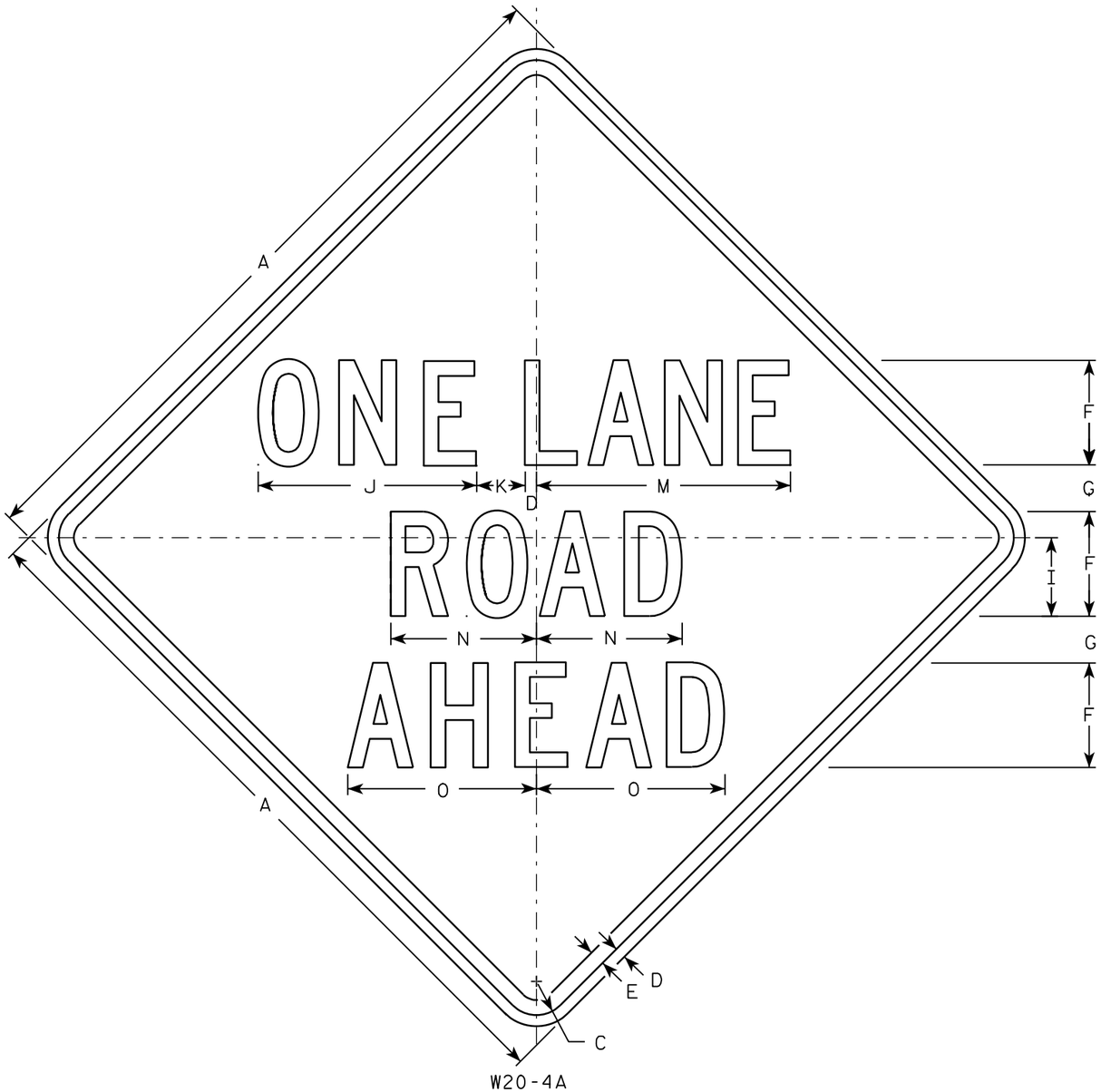
STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

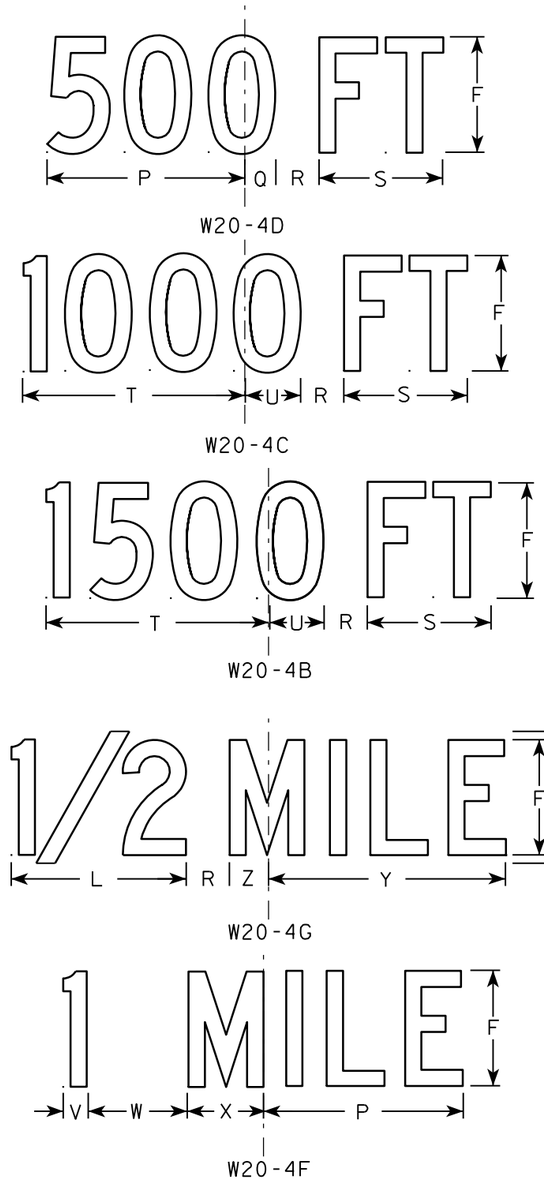
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

SHEET NO: 84 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 - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

STANDARD SIGN
W20-4A, B, C, D, F & G

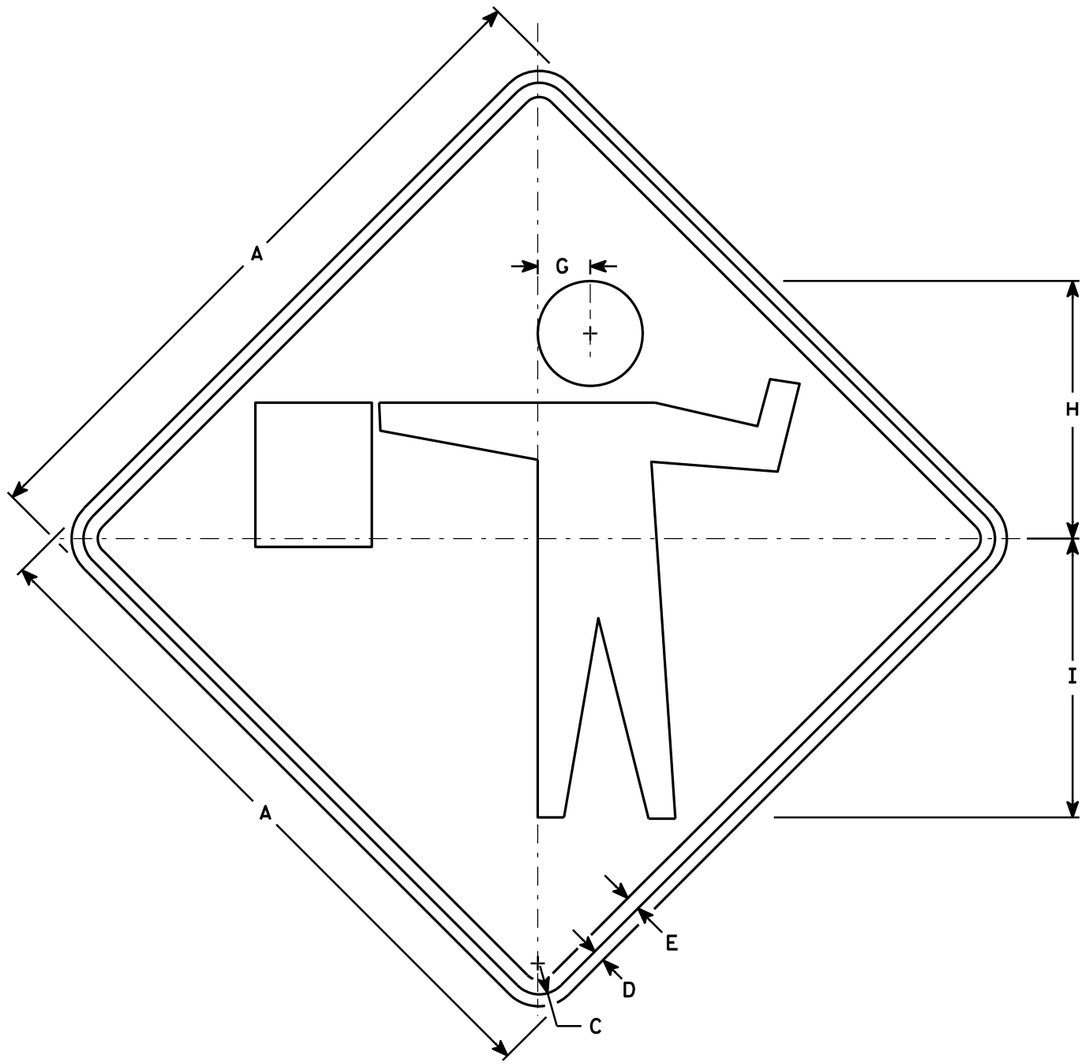
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

PROJECT NO:

SHEET NO: 85 E



W20-7A

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		2 3/4	13 1/2	14 5/8																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00

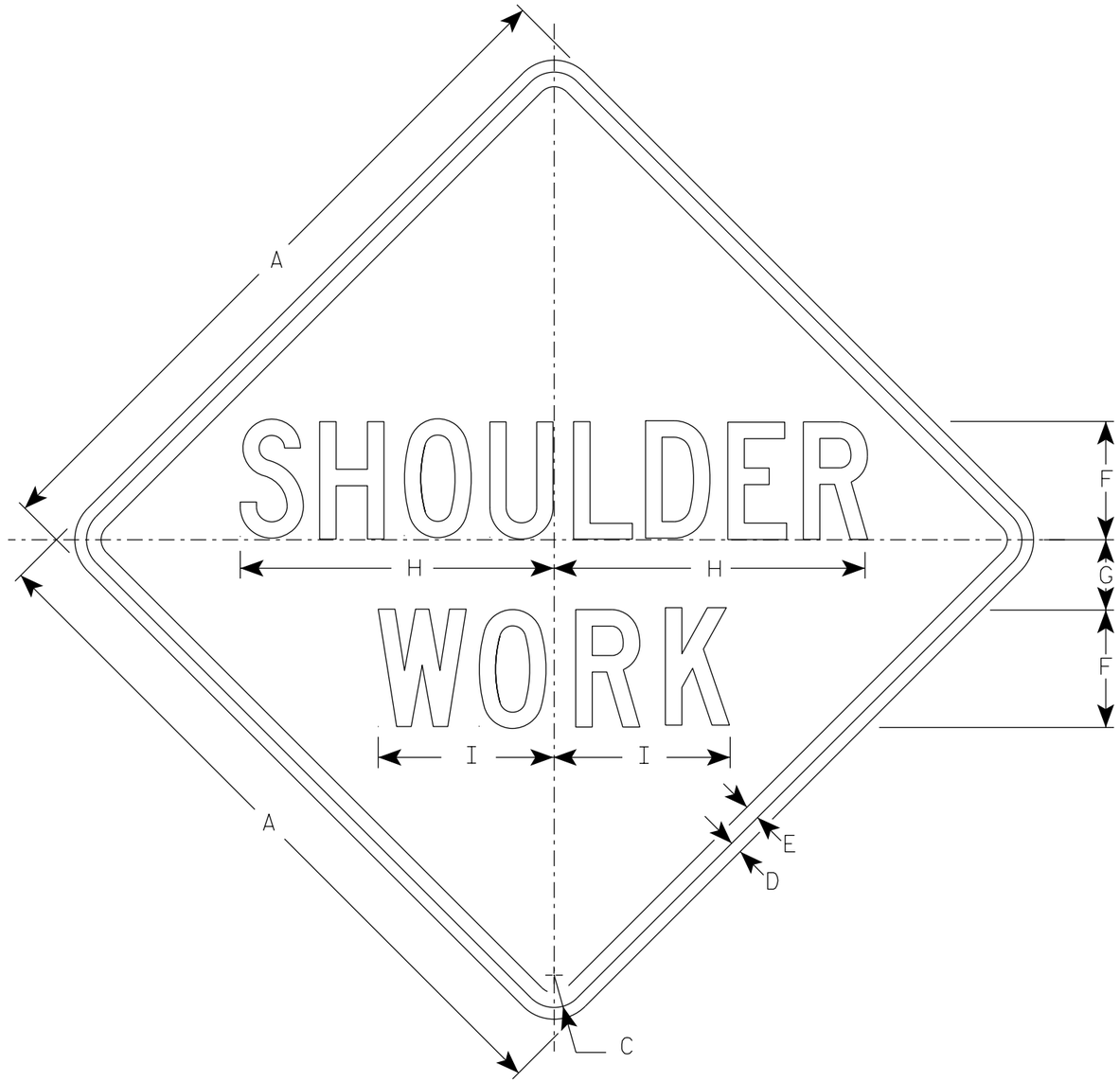
STANDARD SIGN
W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 86 | E



W21-5

NOTES

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

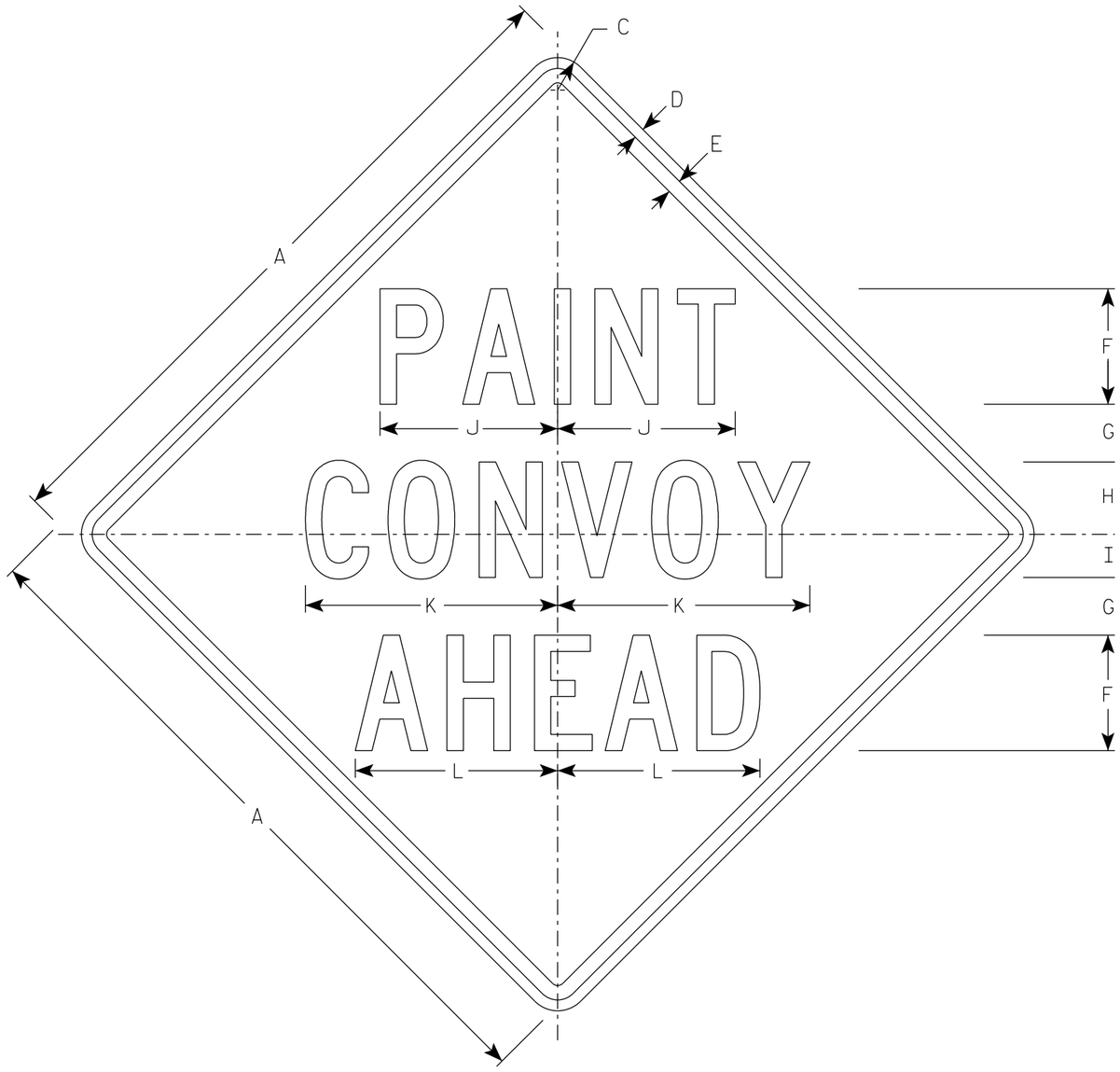
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4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

STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 87 | E



W21-63

NOTES

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

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

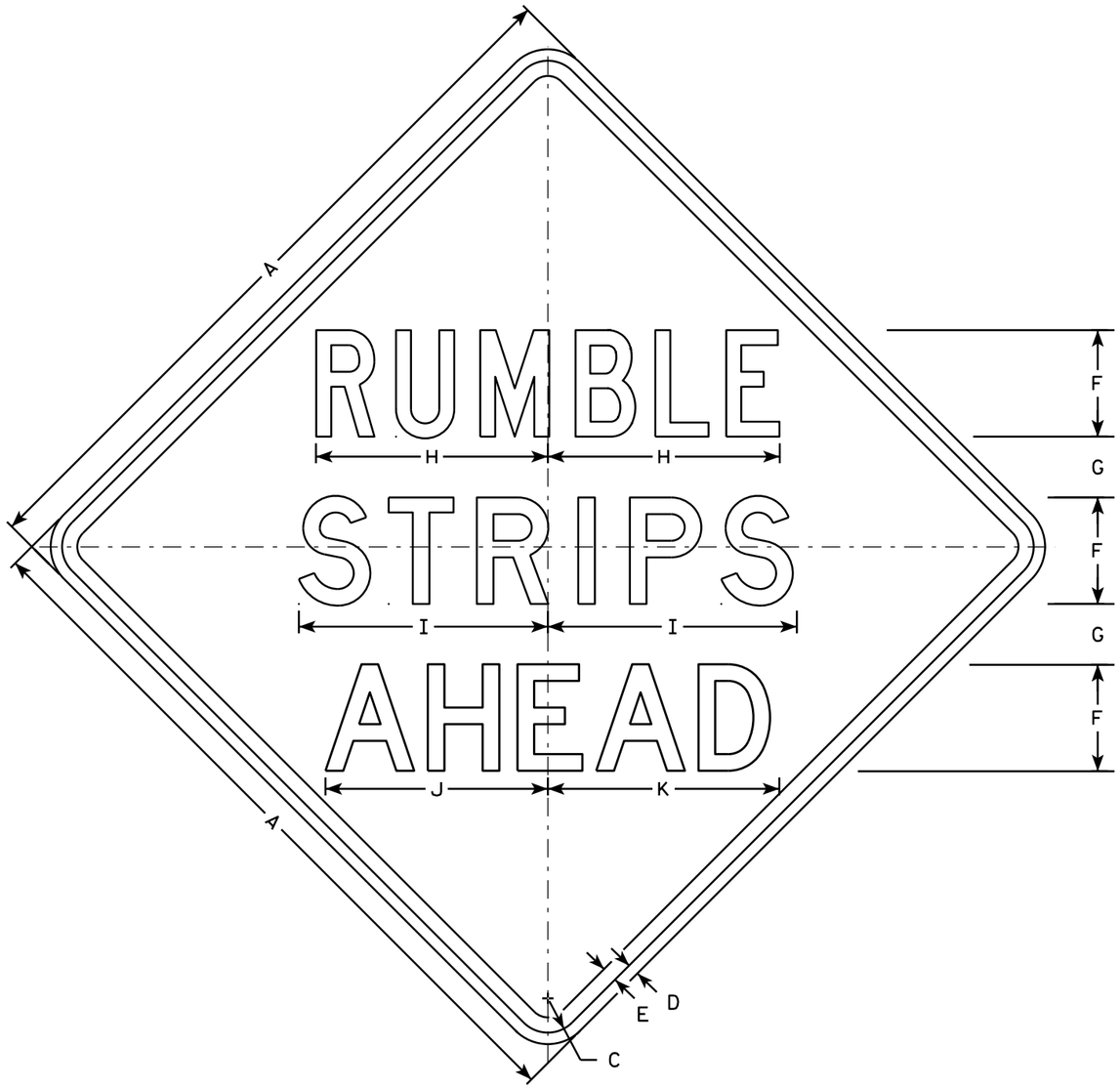
STANDARD SIGN
W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-63.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 88 | E



W21-65

NOTES

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

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

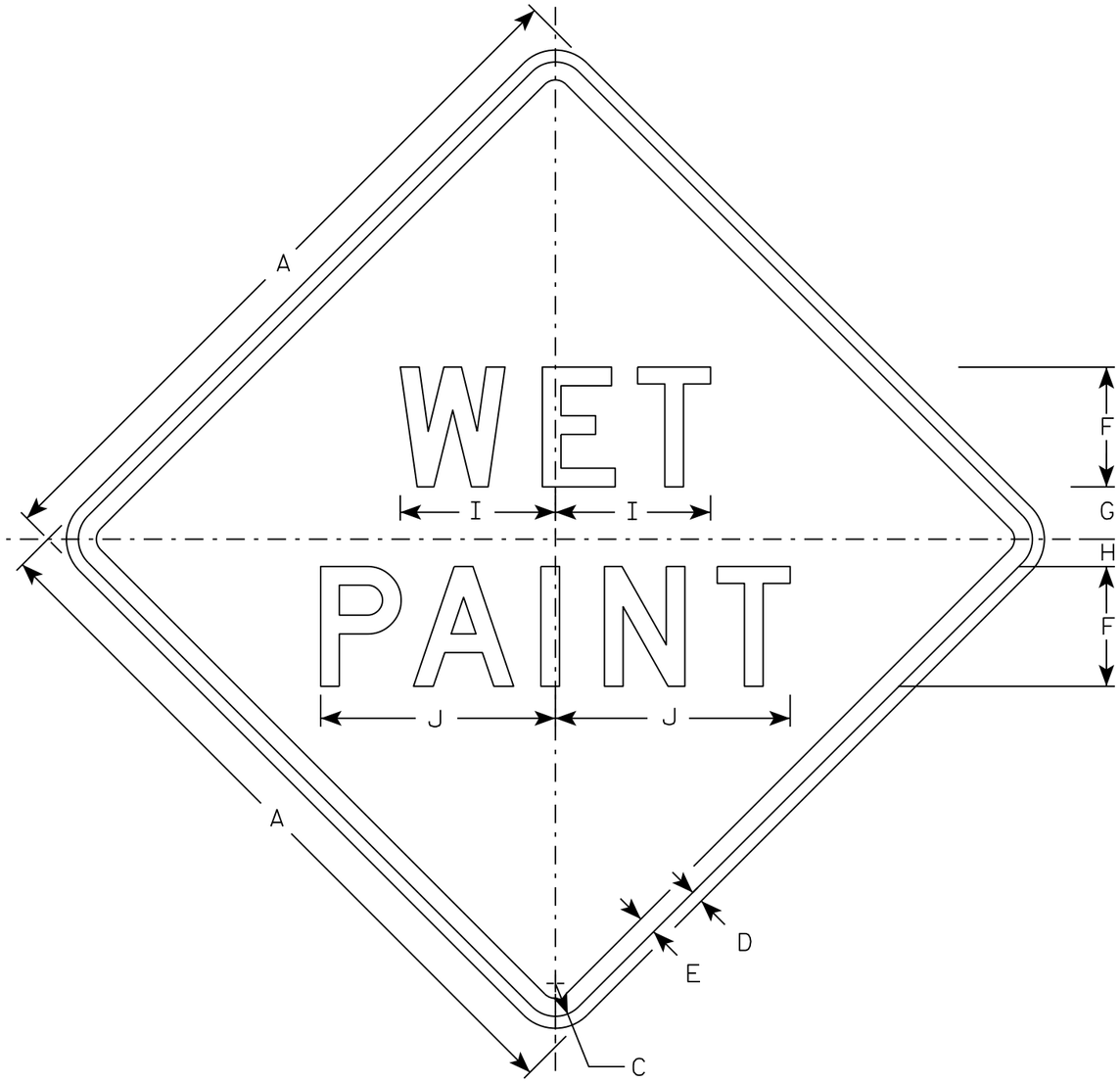
STANDARD SIGN
W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE W21-65.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: | E



W21-66

NOTES

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

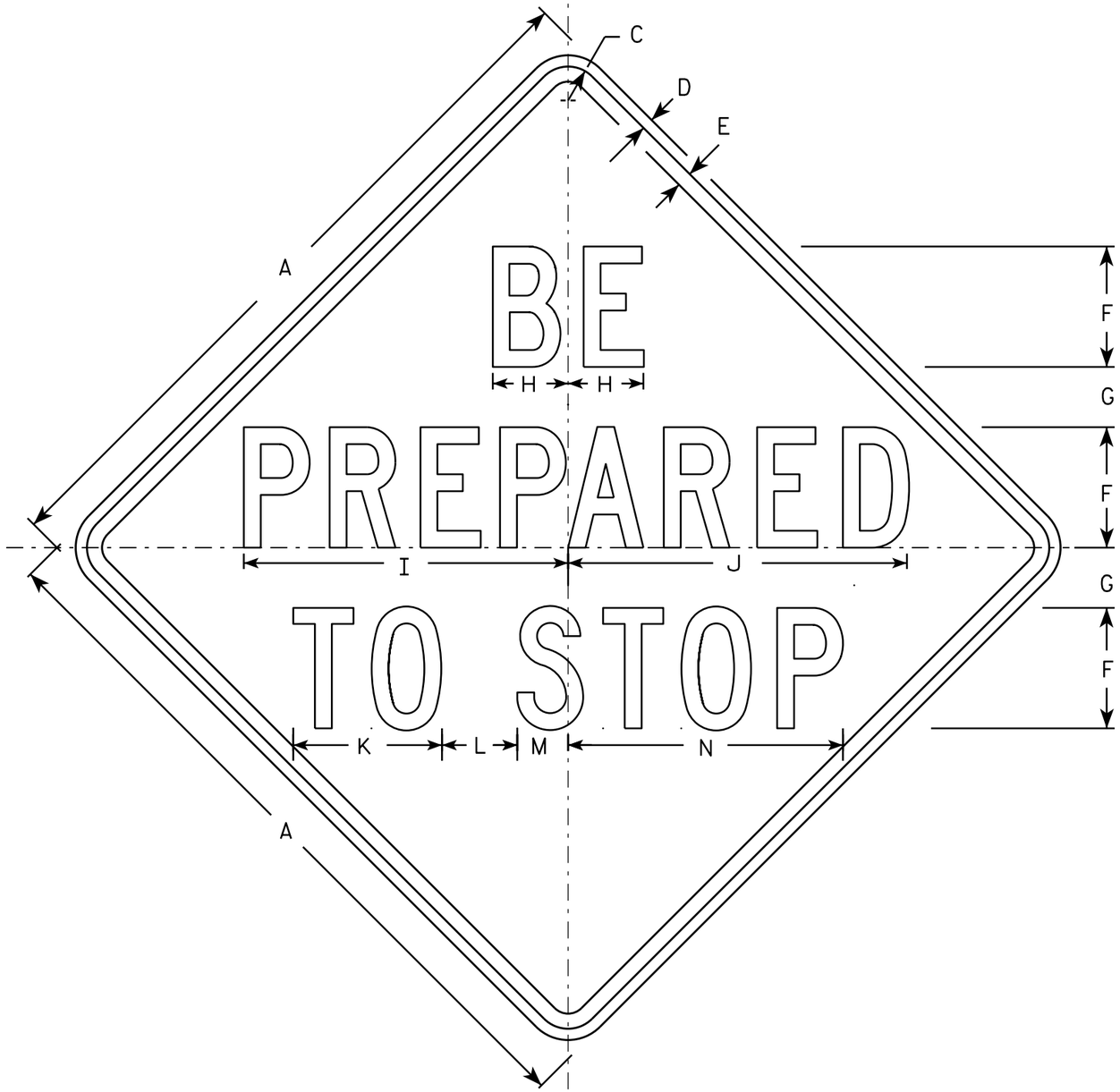
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	2 5/8	1 3/8	7 3/4	11 3/4																	9.0
2S	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
2M	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4																	16.0
3	48		2 1/4	3/4	1	8	3	3	10 3/8	15 3/4						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

STANDARD SIGN
W21-66

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/19/18 PLATE NO. W21-66.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 90 | E



W03-4

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	6	2 1/2	3 3/4	15 7/8	16 7/8	7 3/8	4	2 3/8	13 3/4													9.0
2S	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
2M	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
3	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
4	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0
5	48		2 1/4	3/4	1	8	4	5	21 1/2	22 1/2	9 7/8	5	3 3/8	18 1/4													16.0

STANDARD SIGN
W03-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/02/13 PLATE NO W03-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: | E

Wisconsin Department of Transportation

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