WKE SEPTEMBER 2016

PROJECT ID: 2475-12-60

COUNTY: WASHINGTON

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 = 340

DESIGN DESIGNATION

A.A.D.T. (2013) = 9,200
A.A.D.T. (2028) = 11,100
D.H.V. = 4.9%
D.D. = 59/41
T. = 5.7%
DESIGN SPEED = 35 MPH, 45 MPH, 55 MPH
ESALS =

CONVENTIONAL SYMBOLS

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

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FOND-DU-LAC AVE, VIL OF GERMANTOWN

MEQUON RD TO CTH P

STH 145

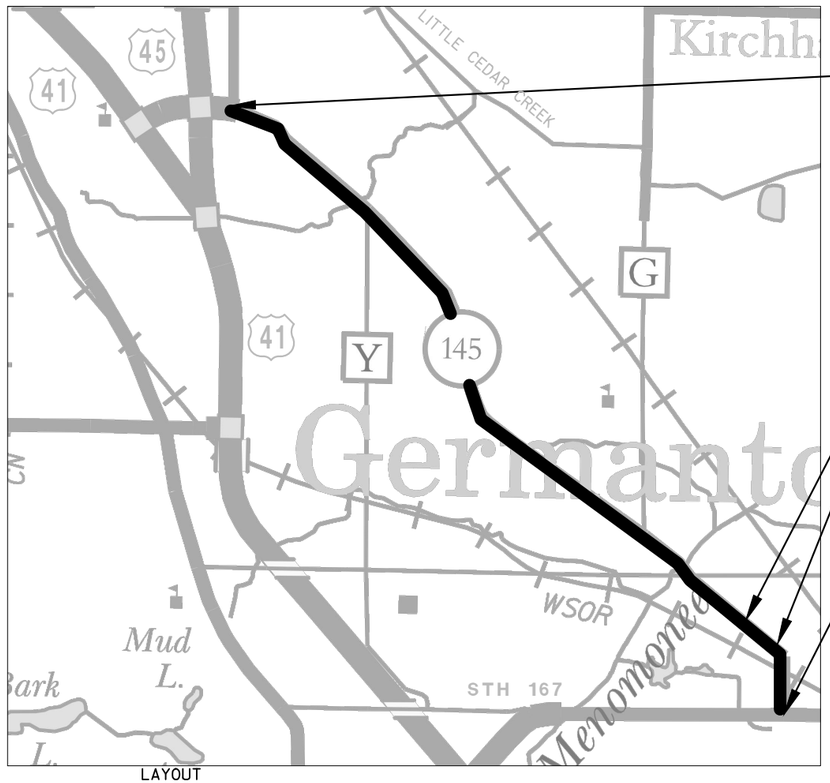
WASHINGTON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2475-12-60	———	———

STATE PROJECT NUMBER
2475-12-60

R-20-E

T-9-N



END PROJECT
STA. 795+65

STA 506+00 - STA 507+10
NET EXCEPTION TO
C/L LENGTH

BEGIN PROJECT
STA. 481+94
Y = 110865.7022
X = 383528.7240

LAYOUT
SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 5.921

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WASHINGTON COUNTY, NAD83 (2007) - NAVD88 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	PRIYA MITRA
Project Manager	DOUG CAIN
Regional Examiner	STEVE CHOJNACKI
Regional Supervisor	BEN ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 02/01/16 (Signature)

E

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE LOCATION OF DRIVEWAY MATCH POINTS NOT SHOWN IN THE PLANS WILL BE DETERMINED BY THE ENGINEER.

ALL LAYOUT DATA IS REFERENCED TO THE R/L UNLESS OTHERWISE NOTED.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE INSTALLATIONS WITHIN THE PROJECT AREA.

EROSION CONTROL DEVICES ARE TO BE PLACED IN SEQUENCE WITH CONSTRUCTION STAGING AND MAINTAINED THROUGH EACH STAGE OR AS DETERMINED BY THE ENGINEER.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS AS SHOWN ON PLAN DETAILS. ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICE IS NO LONGER REQUIRED.

RE-TOPSOILING OF ALL DISTURBED AREAS SHALL BE DONE IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. FERTILIZE, SEED AND MULCH OR PLACE SOD ON ALL TOPSOILED AREAS WITHIN 5 WORKING DAYS AFTER PLACEMENT OF THE TOPSOIL. ANY OR ALL AREAS LEFT EXPOSED FOR MORE THAN 24 HOURS, REQUIRE TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS, AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN 7 CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AT CONTRACTORS COST.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND SEWRPC (JOHN WASHBURN); AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

PRIME CONTRACTOR TO COORDINATE WITH RAILROAD FOR DETOUR AND CONSTRUCTION OPERATIONS OF RAILROAD CROSSING CONSTRUCTION

STH 145 HMA PAVEMENT

UPPER LAYER - 2 INCHES OF HMA PAVEMENT 4 MT 58-28 S
SHOULDERS - 4 INCHES OF HMA PAVEMENT 4 MT 58-28 S

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES

TYPICAL SECTIONS

CONSTRUCTION DETAILS

PLAN DETAILS

PERMANENT SIGNING

PAVEMENT MARKING

TRAFFIC CONTROL

2

UTILITY CONTACTS

AT&T WISCONSIN
ALPER KOLCU
2005 PEWAUKEE RD
WAUKESHA, WI 53188
(262)970-8494
AK308X@ATT.COM

WISDOT STOC
JEFF MADSON
433 W. ST PAUL AVE, STE 300
MILWAUKEE, WI 53203
(414)225-3723
JEFFREY.MADSON@DOT.WI.GOV

ANR PIPELINE CO
LARRY HUBER
W3925 PIPELINE LN
EDEN, WI 53019
(920)477-2235 EXT 13
LAWRENCE_HUBER@TRANSCANADA.COM

TIME WARNER CABLE
TW CABLE ENGINEERING
1320 N MARTIN LUTHER KING DR
MILWAUKEE, WI 53212
(414)277-4045
WIS.ENGINEERING@TWCABLE.COM

WISC. GAS CO. D/B/A WE ENERGIES (GAS)
LATROY BRUMFIELD
333 W. EVERETT ST - A279
MILWAUKEE, WI 53203
(414) 221-5617
LATROY.BRUMFIELD@WE-ENERGIES.COM

WE ENERGIES (ELECTRIC)
LATROY BRUMFIELD
333 W. EVERETT ST - A279
MILWAUKEE, WI 53203
(414) 221-5617
LATROY.BRUMFIELD@WE-ENERGIES.COM

ATC MANAGEMENT, INC
MIKE OLSEN
801 O'KEEFE RD, PO BOX 6113
DEPERE, WI 54115 6113
(920)338-6582
MOLSEN@ATCLLS.COM

VILLAGE OF GERMANTOWN, DPW
LARRY RATAYCZAK
N112 W17001 MEQUON RD, PO BOX 337
GERMANTOWN, WI 53022
(262)250-4721
LRATAYCZAK@VILLAGE.GERMANTOWN.WI.US

VILLAGE OF GERMANTOWN, ENGINEERING
BRIONNE BISCHKE
N112 W17001 MEQUON RD, PO BOX 337
GERMANTOWN, WI 53022
(262)250-4720
BBISCHKE@VILLAGE.GERMANTOWN.WI.US

VILLAGE OF JACKSON, DPW
BRIAN KOBER
N168W20733 MAIN ST, PO BOX 147
JACKSON, WI 53037
(262)677-9001
DIRPUBWKS@VILLAGEOFJACKSON.COM

WISCONSIN AND SOUTHERN RAILROAD CO.
ROGER SCHAALMA
1890 E. JOHNSON ST.
MADISON, WI 54704
(608)620-2044
RSCHAALMA@WATCOCOMPANIES.COM

AGENCY CONTACTS

VILLAGE OF RICHFIELD FIRE DEPARTMENT
(262)628-1601

VILLAGE OF GERMANTOWN POLICE DEPT.
(262)253-7780

WASHINGTON COUNTY SHERIFF'S DEPT.
(262)335-4378

WASHINGTON COUNTY HIGHWAY DEPT.
SCOTT SCHMIDT
(262)335-4435
SCOTT.SCHMIDT@CO.WASHINGTON.WI.US

WI DNR LIASON
KRISTINA BETZOLD
2300 N MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414)263-8517
KRISTINA.BETZOLD@WISCONSIN.GOV

VILLAGE OF GERMANTOWN FIRE DEPARTMENT
(262)502-4701

SEWRPC
JOHN WASHBURN
W239 N1812 ROCKWOOD DRIVE
PO BOX 1607
WAUKESHA, WI 53187-1607
(262)953-4295
SEWRPC@SEWRPC.ORG

VILLAGE OF RICHFIELD, DPW
ADAM SCHMITT
(262)628-2260 EXT 118
dpw@richfieldwi.gov

WISDOT CONTACTS

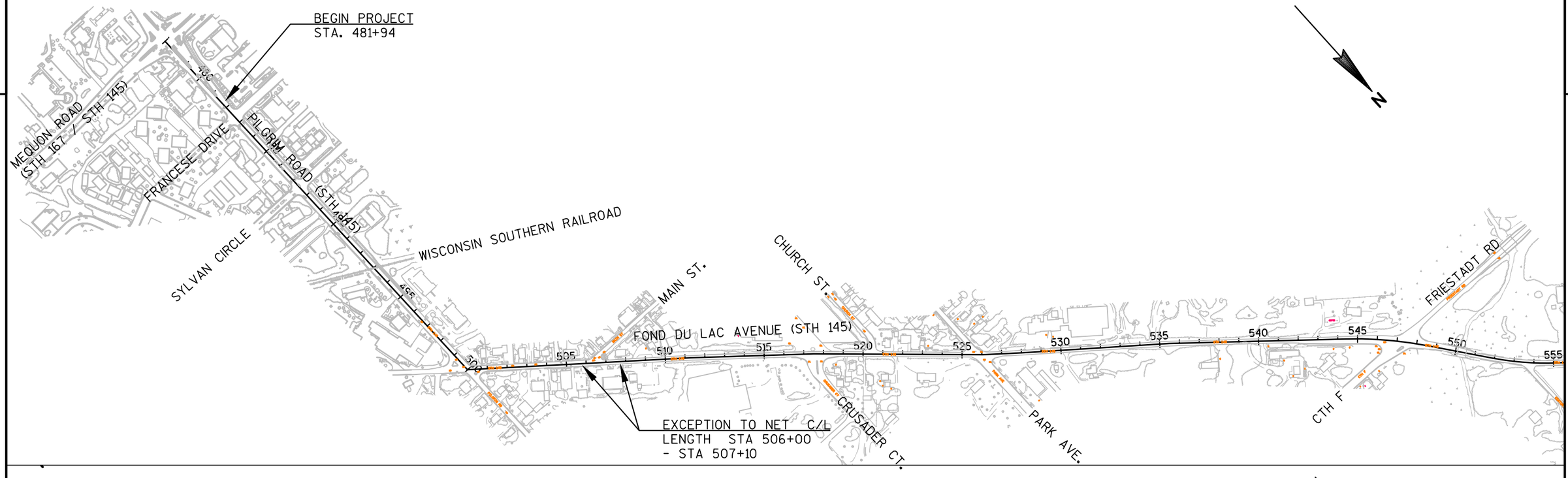
PROJECT MANAGER
DOUG CAIN
141 NW BARTSOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
(262) 548-5603
DOUG.CAIN@DOT.WI.GOV

DESIGN LEADER
PRIYA MITRA
141 NW BARTSOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
(262) 548-8776
PRYIA.MITRA@DOT.WI.GOV

WISDOT HIGHWAY MAINTENANCE
JIM WEIGLEIN
(414) 750-1406 - CELL

RAILROAD COORDINATOR
PAUL DERKSEN
141 NW BARTSOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
(262) 548-8770
PAUL.DERKSEN@DOT.WI.GOV

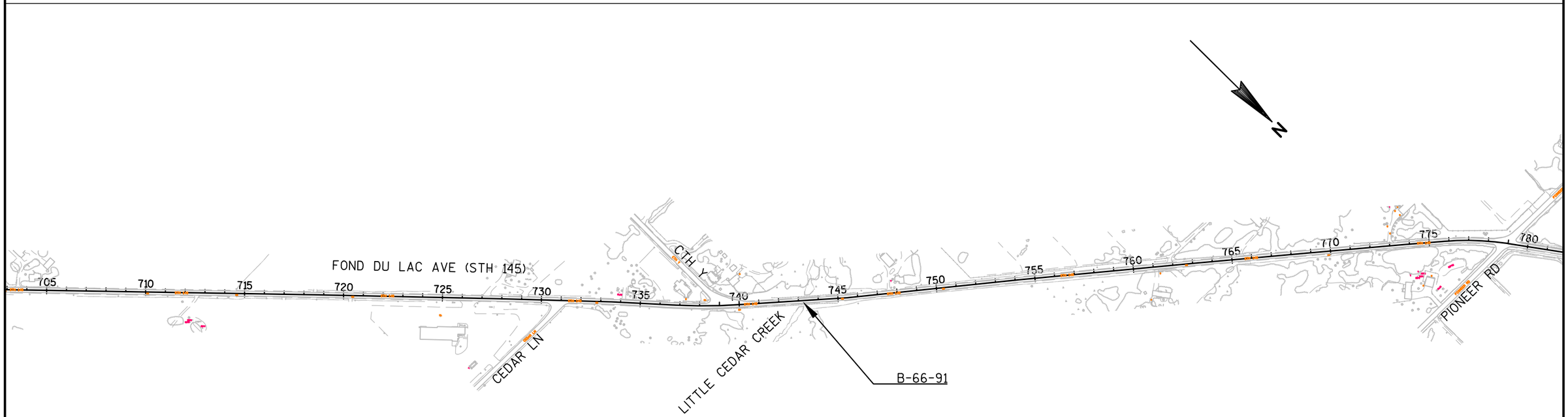
DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com



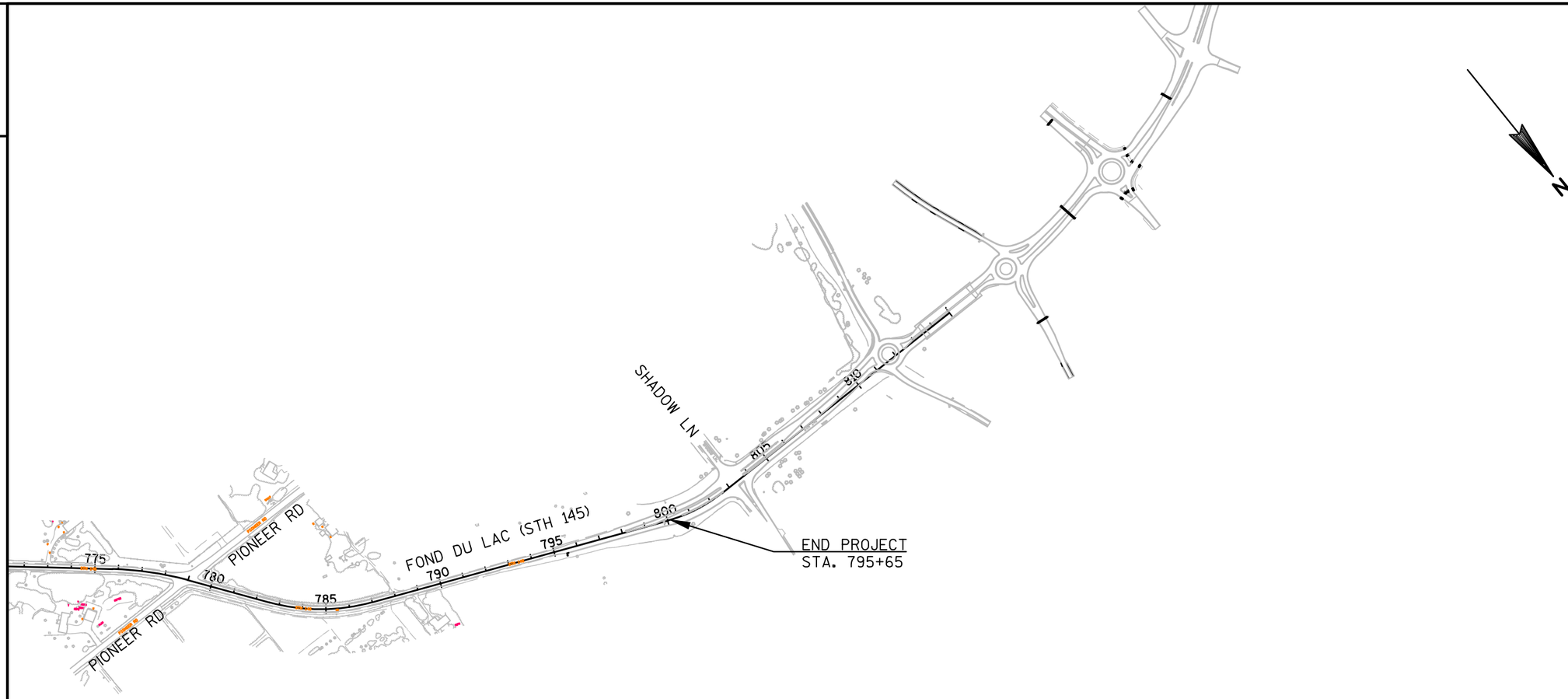
2

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET 4	E

N
FOND DU LAC AVE (STH 145)
MAPLE RD
HOLY HILL RD
ROCKFIELD RD
UNNAMED TRIBUTARY
625
630
635
640
645
650
655
660
665
670
675
680
685
690
695
700
705

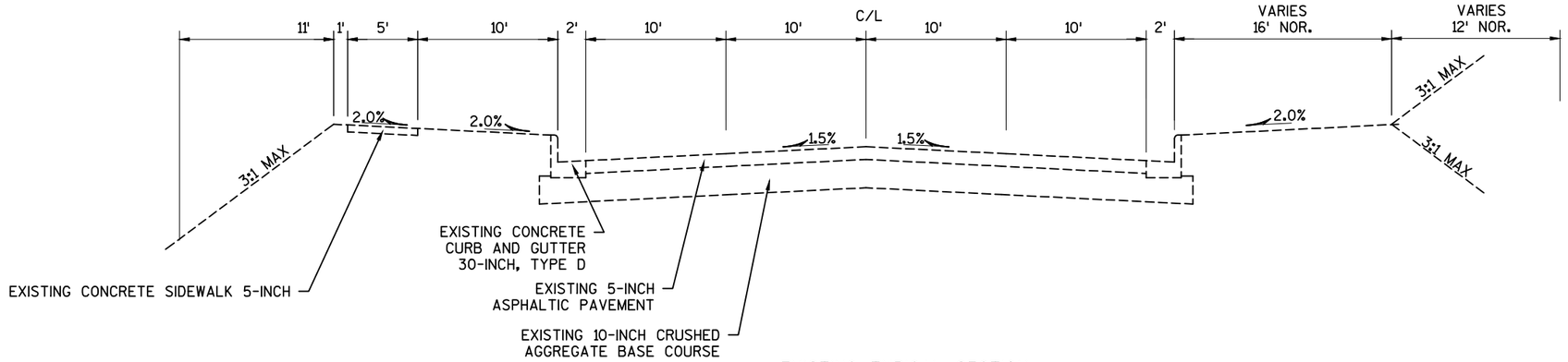

N
FOND DU LAC AVE (STH 145)
CTH Y
CEDAR LN
LITTLE CEDAR CREEK
PIONEER RD
B-66-91
705
710
715
720
725
730
735
740
745
750
755
760
765
770
775
780

2



PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET 6	E

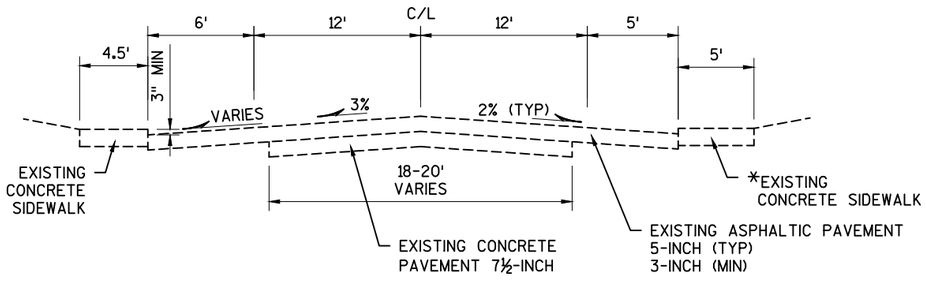
2



EXISTING TYPICAL SECTION

STH 145

STA. 481+94 - STA. 500+00



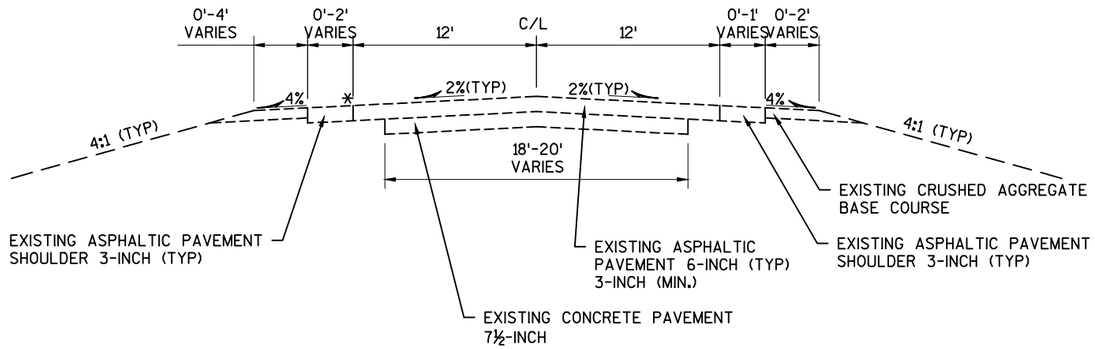
EXISTING TYPICAL SECTION

STH 145

STA. 500+00 - STA. 506+00

* EXISTING SIDEWALK ONLY FROM
STA. 504+25 - STA. 506+75 RT

2

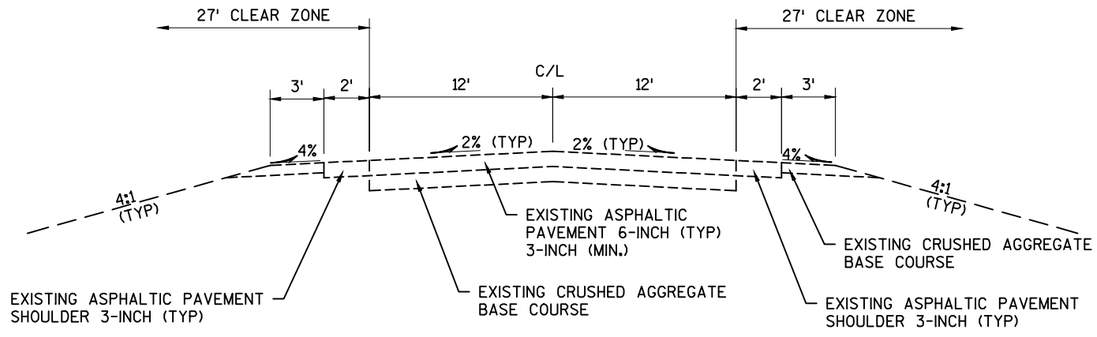


EXISTING TYPICAL SECTION

STH 145

STA. 507+10 - STA. 549+60

* STA. 512+65 - STA. 518+06, LT
EXISTING MOUNTABLE CURB
(13' LANE, 0' SHOULDER WIDTH)

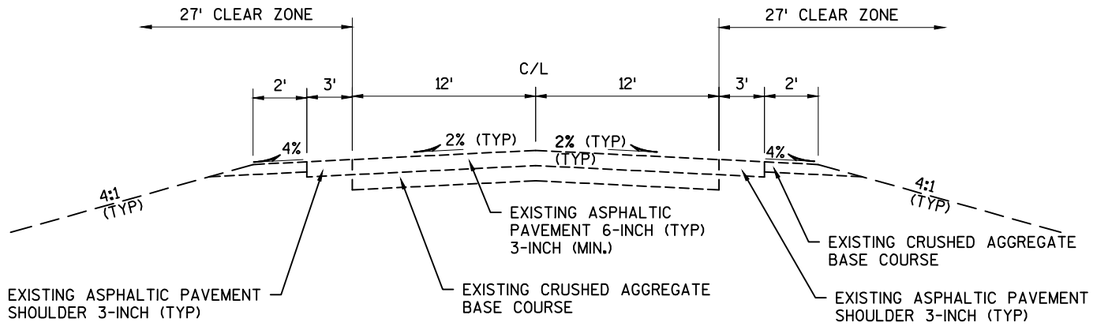


EXISTING TYPICAL SECTION

STH 145

STA. 549+60 - STA. 570+50

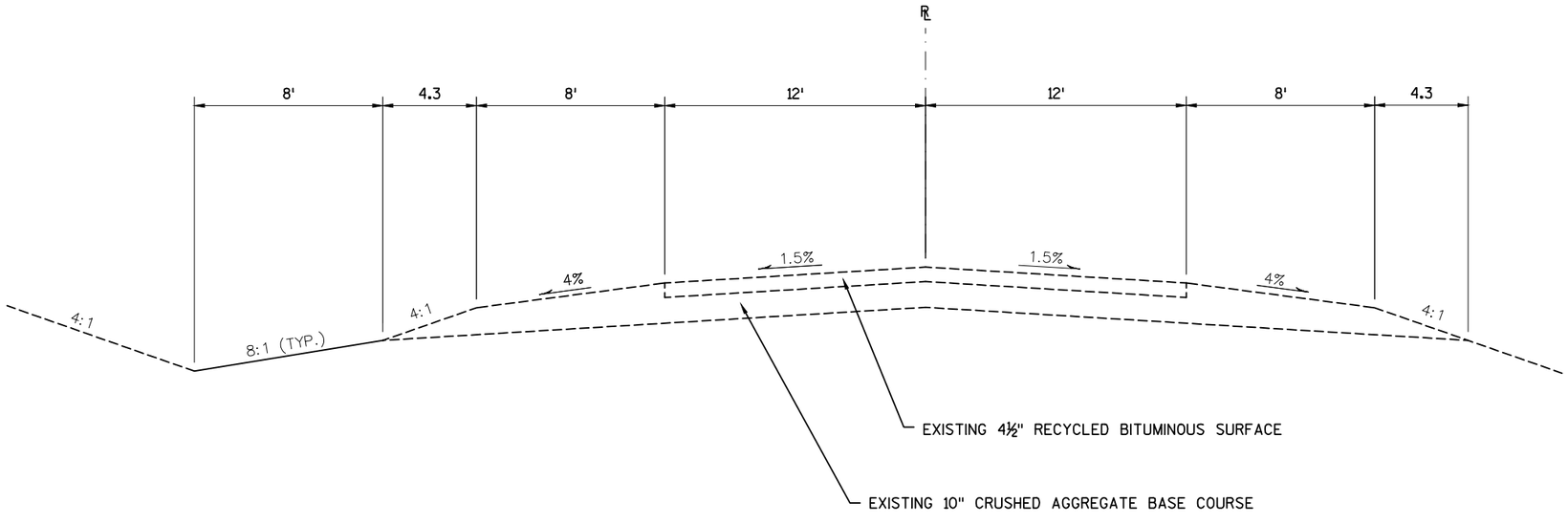
2



EXISTING TYPICAL SECTION

STH 145

STA. 570+50 - STA. 795+65



EXISTING TYPICAL SECTION

SIDE ROAD

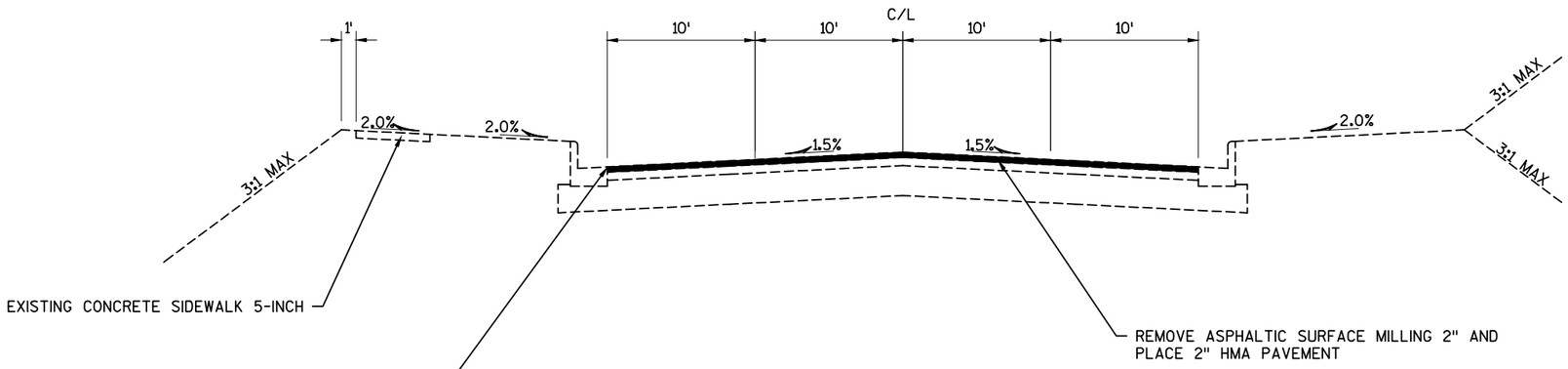
CTH F

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 9	E

FILE NAME : N:\PDS\C3D\CAD\24751230\020301_TS.DWG
LAYOUT NAME - ****

PLOT DATE : 1/28/2016 12:30 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:10 FT

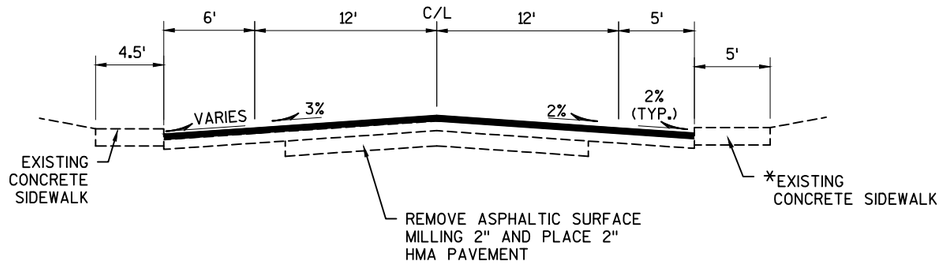
2



PROPOSED TYPICAL SECTION

STH 145

STA. 481+94 - STA. 500+00



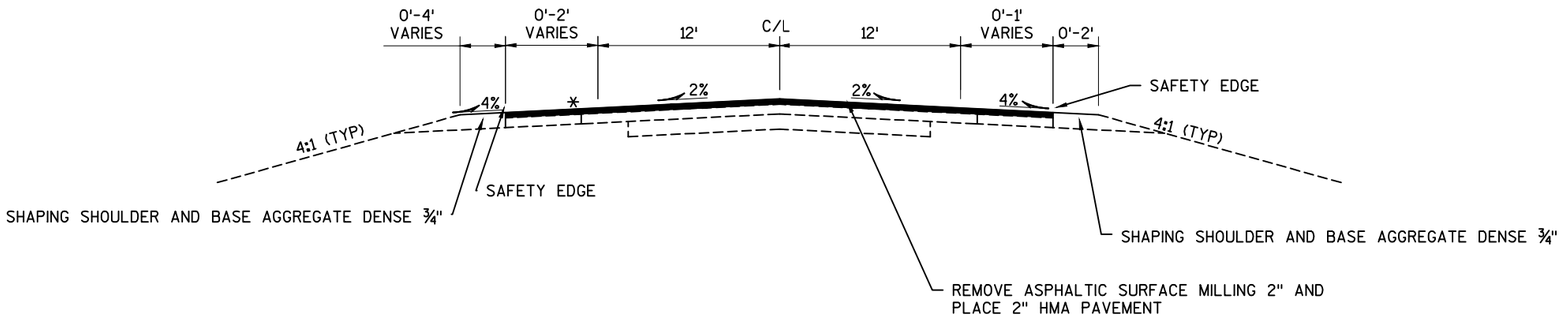
PROPOSED TYPICAL SECTION

STH 145

STA. 500+00 - STA. 506+00

* EXISTING SIDEWALK ONLY FROM
STA. 504+25 - STA. 506+75 RT

2

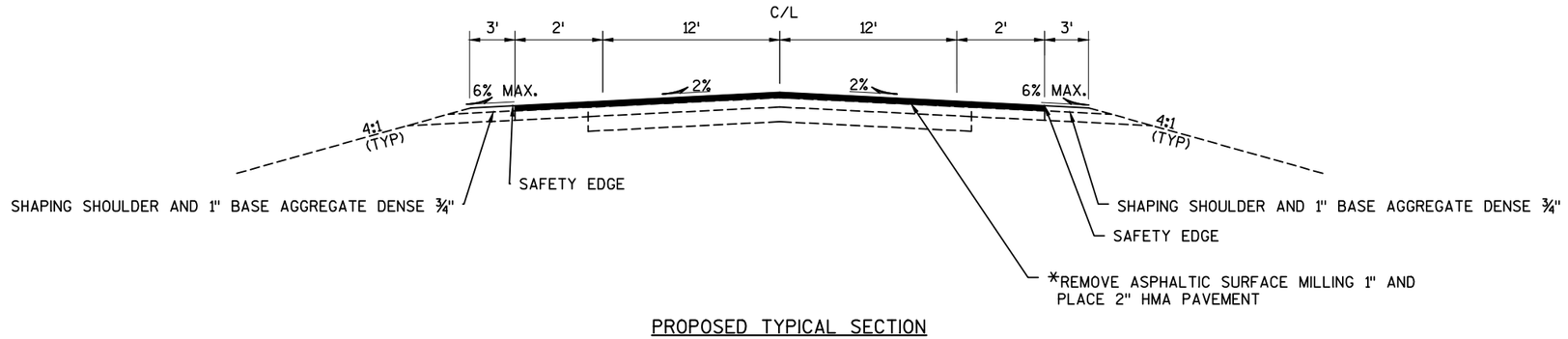


PROPOSED TYPICAL SECTION

STH 145

STA. 507+10 - STA. 549+60

* STA. 512+65 - STA. 518+45, LT
30-INCH CONCRETE CURB AND GUTTER TYPE D
(13' LANE, 0' SHOULDER WIDTH)
MATCH EXISTING PAVEMENT ELEVATION
ALONG CURB LOCATIONS.



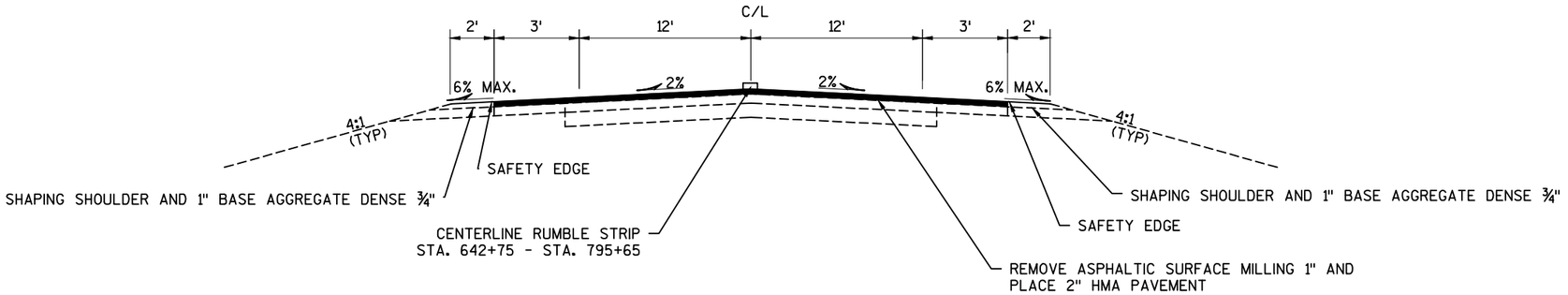
PROPOSED TYPICAL SECTION

STH 145

STA. 549+60 - STA. 570+50

* STA. 549+60 - STA. 553+00
REMOVE ASPHALTIC SURFACE MILLING 2" AND
PLACE 2" HMA PAVEMENT

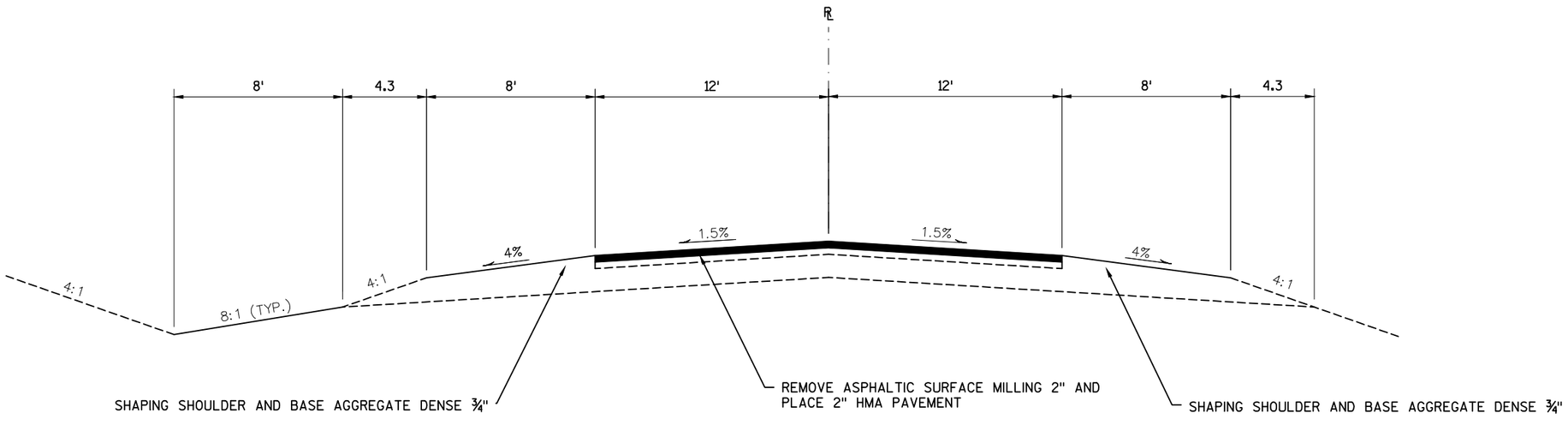
2



PROPOSED TYPICAL SECTION

STH 145

STA. 570+50 - STA. 795+65



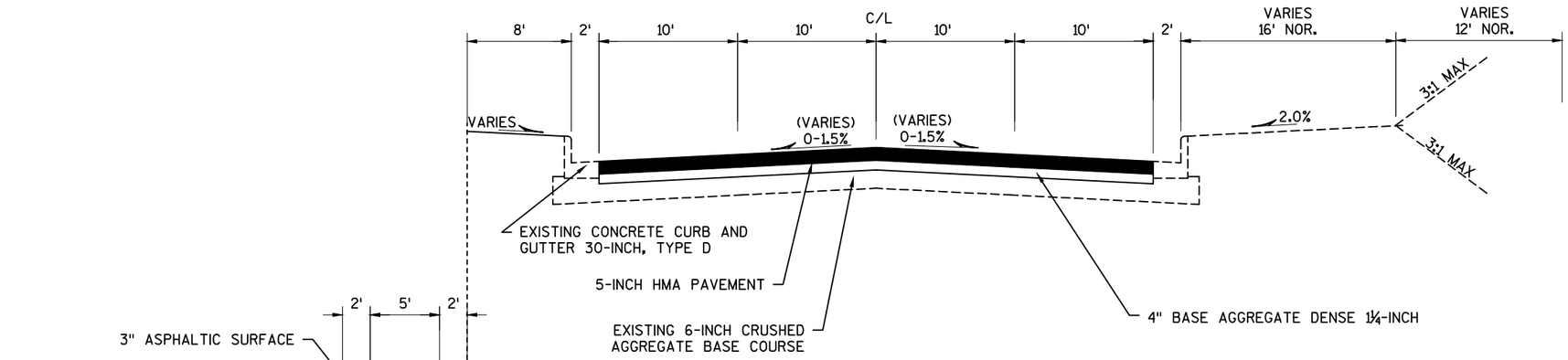
PROPOSED TYPICAL SECTION

SIDE ROAD

CTH F

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 12	E

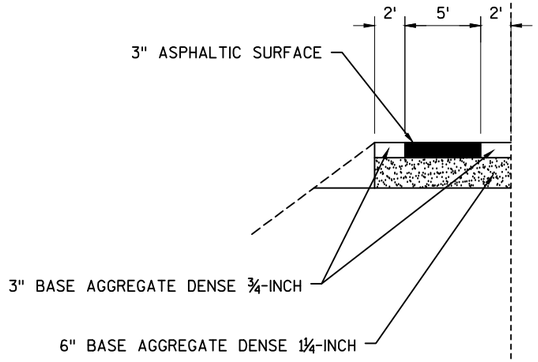
2



PROPOSED TYPICAL SECTION AT RAILROAD APPROACH

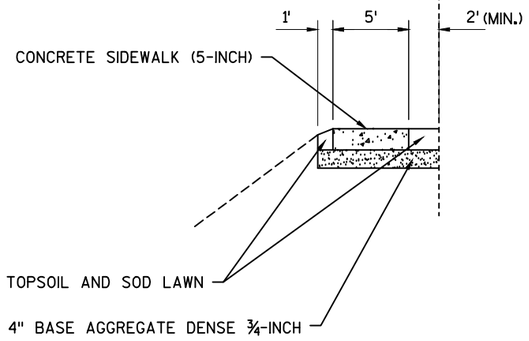
STH 145

STA. 492+63 - STA. 493+42



ASPHALTIC SIDEWALK AT RR

STA. 492+99 TO STA. 493+39 LT



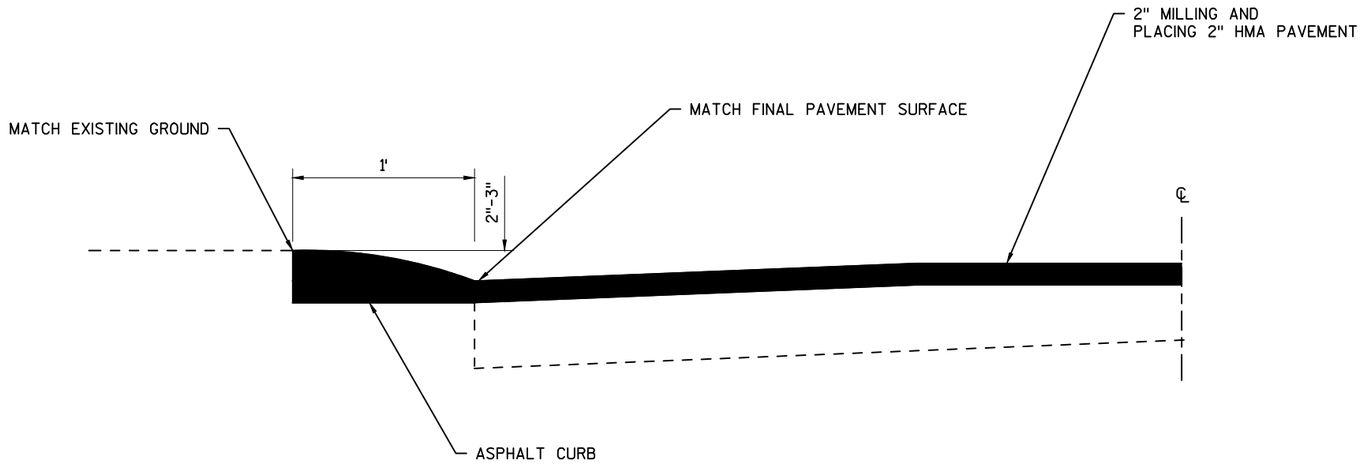
CONCRETE SIDEWALK AT RR

STA. 492+87 TO STA. 492+99 LT

STA. 493+39 TO STA. 493+46 LT

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET 13	E

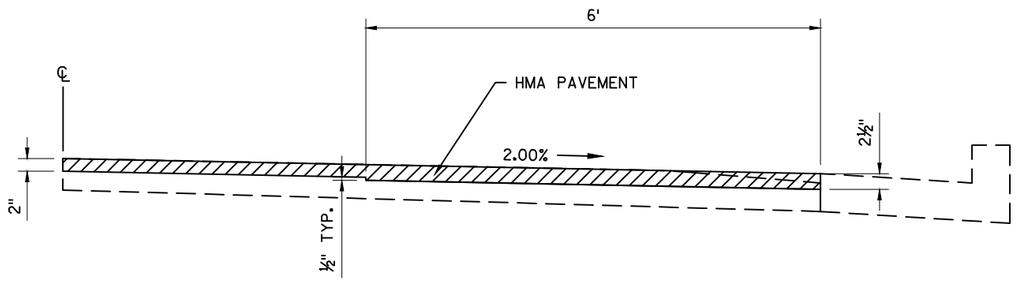
2



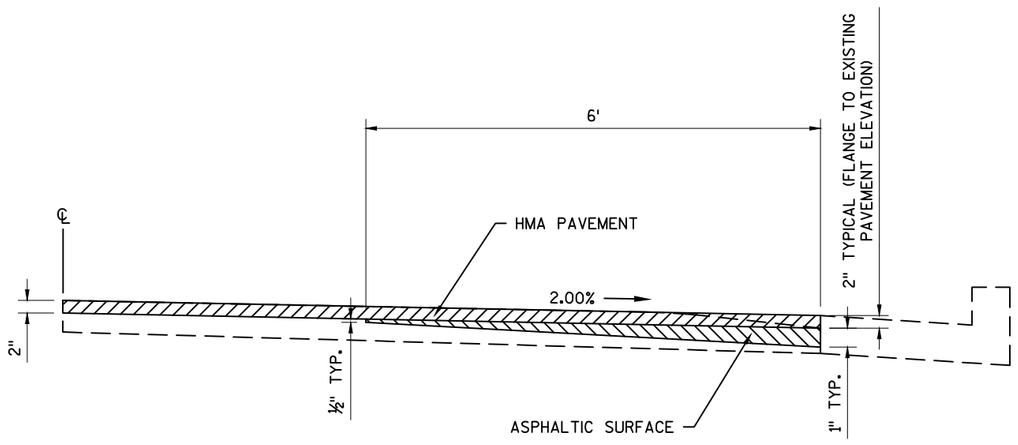
FOND DU LAC AVE.

ASPHALT CURB

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL	SHEET 14	E

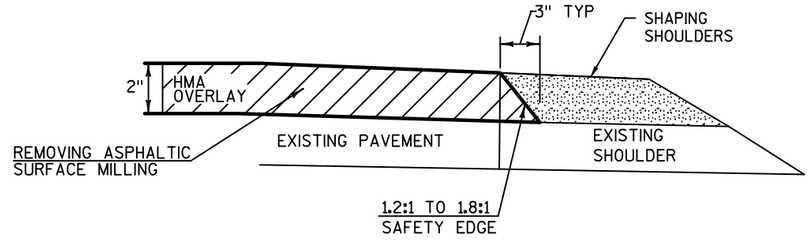


STA. 481+94 TO STA. 493+00
RT SIDE IS SHOWN, LT SIDE IS MIRROR

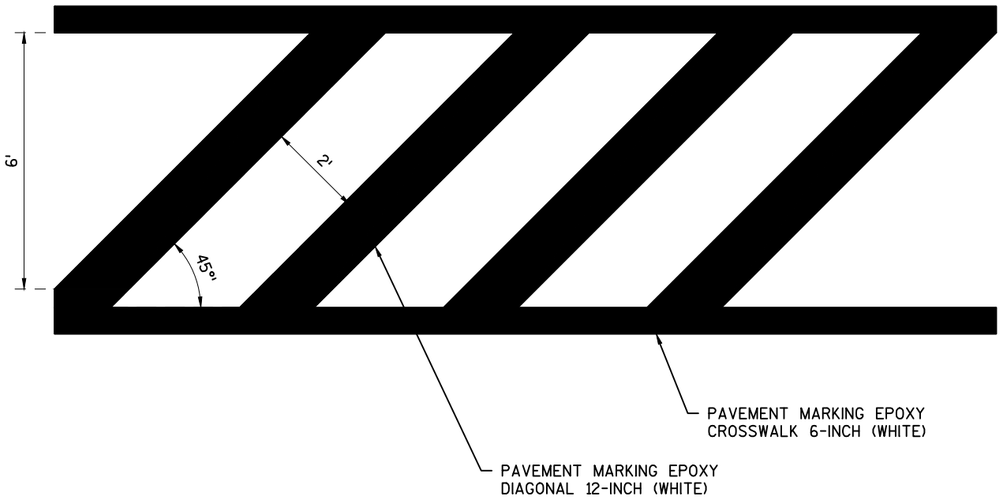


STA. 493+00 TO STA. 500+00
RT SIDE IS SHOWN, LT SIDE IS MIRROR

WEDGING DETAIL FOR CURB AND GUTTER DROP OFF

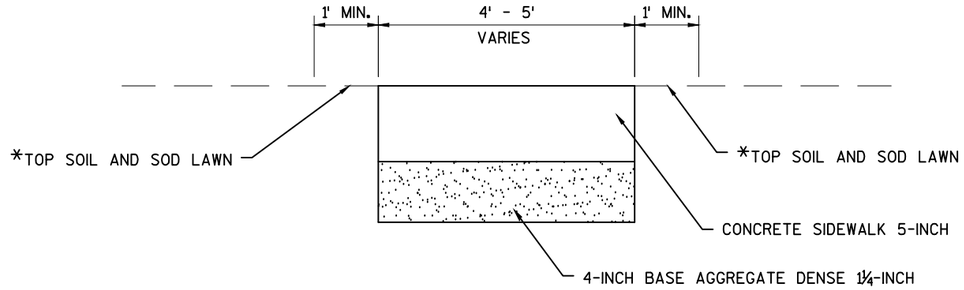


PAVEMENT SAFETY EDGE ON HMA OVERLAY



CROSSWALK DIAGONALS

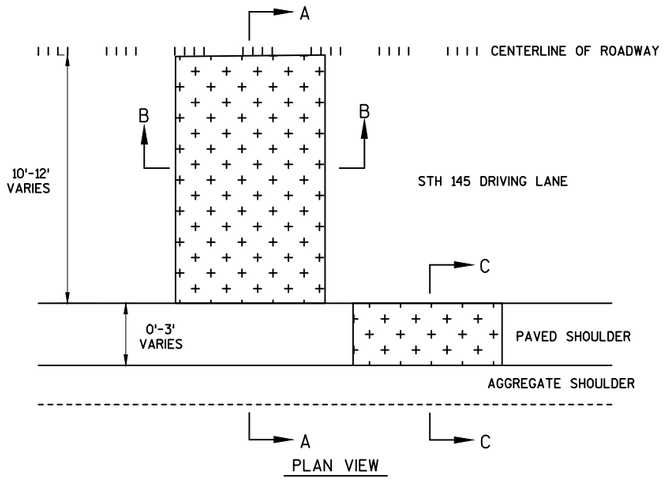
NOT TO SCALE



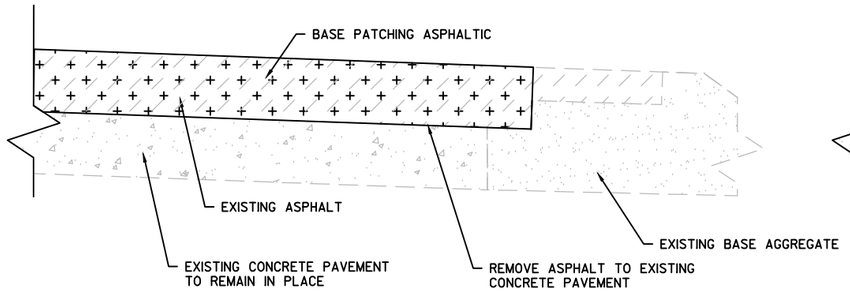
SIDEWALK TYPICAL SECTION

VARIOUS LOCATIONS - PEDESTRIAN RAMPS
*AT EXISTING LAWN/GRASS LOCATIONS

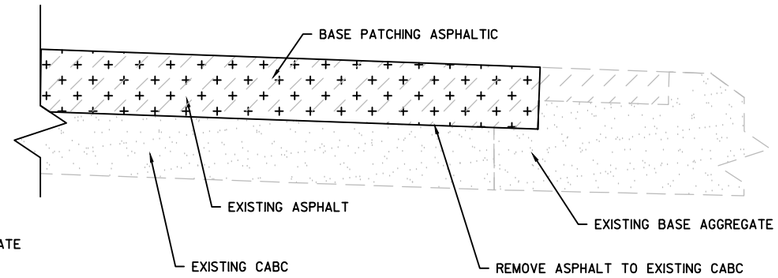
2



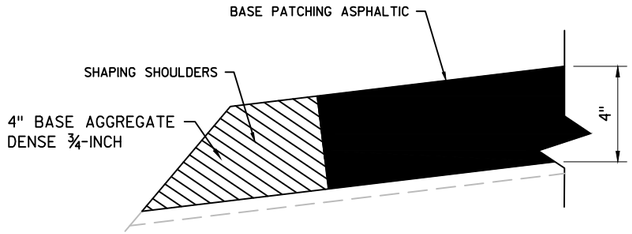
PLAN VIEW



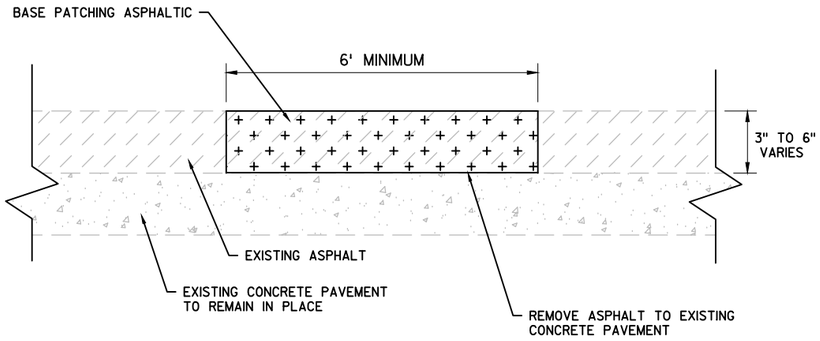
LANE BASE PATCH
SECTION A-A



LANE BASE PATCH
SECTION A-A

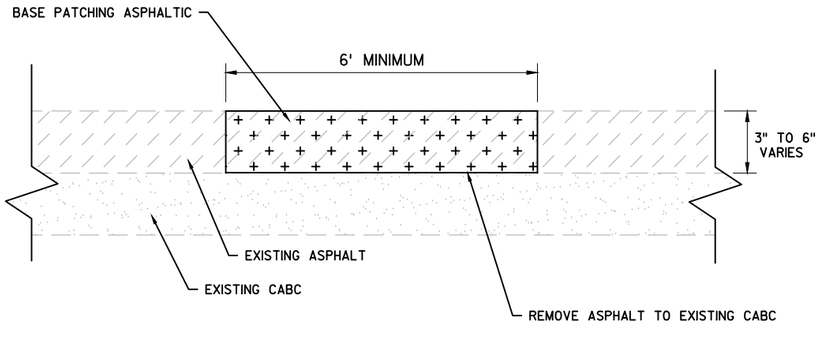


ASPHALTIC SHOULDER REPLACEMENT
SECTION C-C



LANE BASE PATCH
SECTION B-B

BASE PATCHING ASPHALTIC AT EXISTING CONCRETE LOCATIONS
STA. 500+00 TO STA. 549+60



LANE BASE PATCH
SECTION B-B

BASE PATCHING ASPHALTIC AT FULL DEPTH ASPHALT LOCATIONS
STA. 481+94 TO STA. 500+00
STA. 549+60 TO STA. 795+65

NOTES:

- BASE PATCH EXISTING ASPHALT BEFORE MILLING ASPHALTIC SURFACE
- EXISTING CONCRETE NOT TO BE REMOVED WITHIN BASE PATCH LIMITS
- BASE PATCH LOCATIONS TO BE REMOVED AND PAVED IN SAME DAY
- ALL CENTERLINE PAVEMENT MARKING REMOVED TO BE REPLACED SAME DAY WITH TEMPORARY PAINT 4-INCH
- ASPHALTIC BASE PATCH TO BE MILLED IN STAGE 2 ALONG WITH EXISTING ASPHALT

BASE PATCHING ASPHALTIC-
MAINLINE AND SHOULDER REPLACEMENT

SEE MISC. QUANTITY SHEETS FOR LOCATIONS

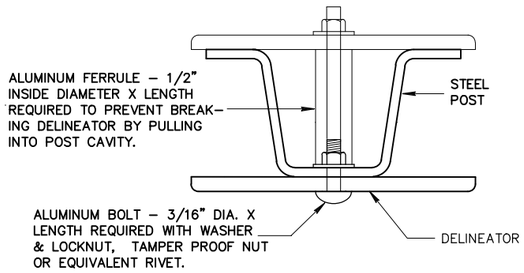
2

GENERAL NOTES

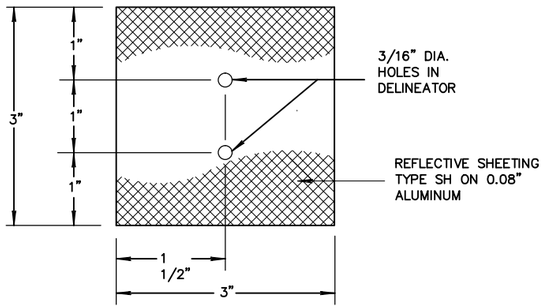
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION. SEE MISCELLANEOUS QUANTITIES FOR OFFSET.

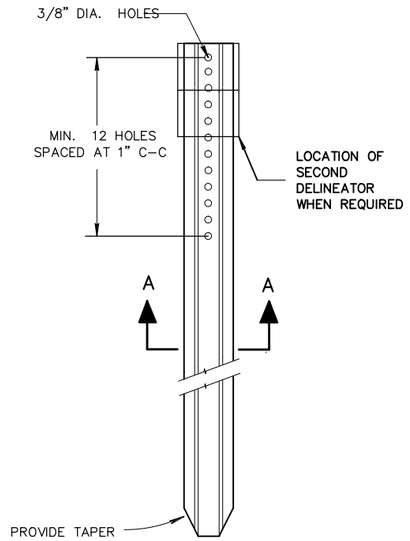
TO BE INSTALLED AT 8' SPACING TYPICAL



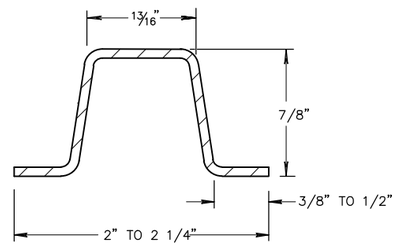
MOUNTING DETAIL FOR DELINEATOR



3"x 3" DELINEATOR

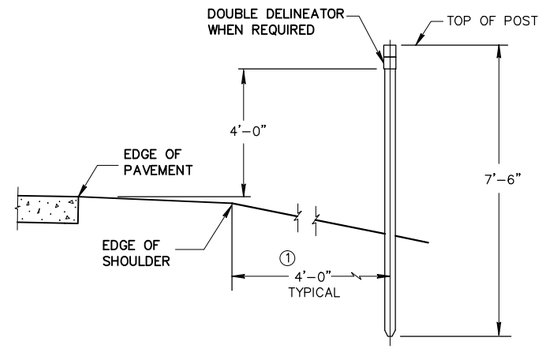


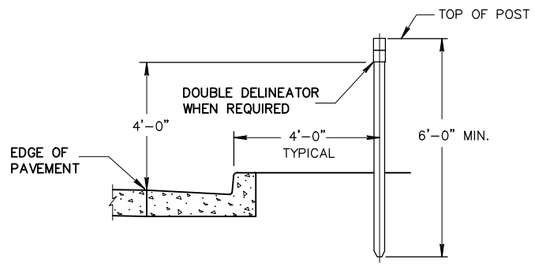
DELINEATOR POST



SECTION A–A

WEIGHT 1.12 LBS PER FT. \ 0.1 LB.



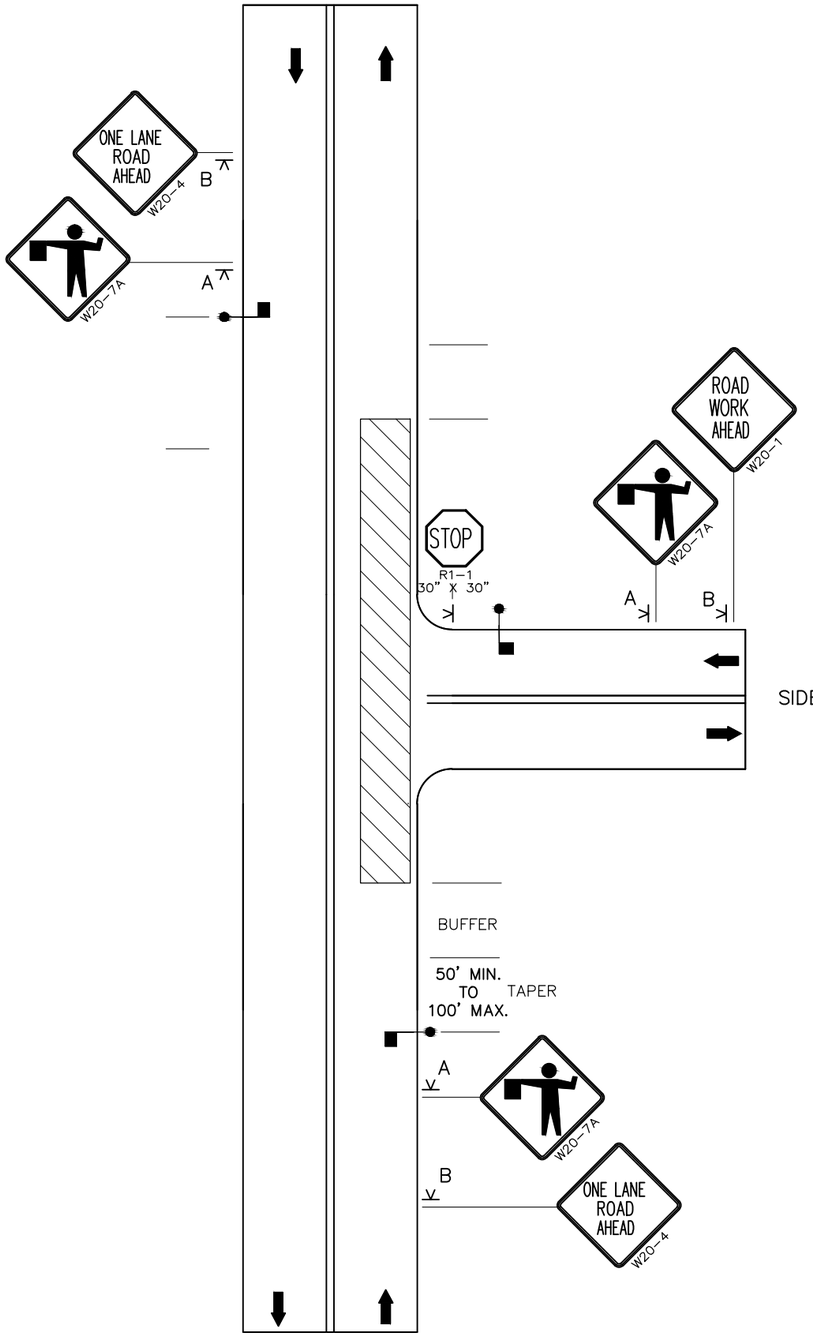


TYPICAL INSTALLATIONS OF DELINEATOR POSTS

DELINEATOR POST AND DELINEATOR

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL	SHEET 18	E

2



LANE CLOSURE THROUGH AN INTERSECTION
FLAGGER ON SIDE ROAD
(Work Area on Through Road)

LEGEND

- PORTABLE SIGN SUPPORT
- WORK AREA
- TRAFFIC FLOW
- FLAGGER

SPEED LIMIT (MPH)	SIGN SPACING A, B, (FT)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

NOTES

1. Depending on traffic conditions, consider additional traffic control on the side road approaches, such as flaggers and appropriate signs.

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.

GENERAL NOTES

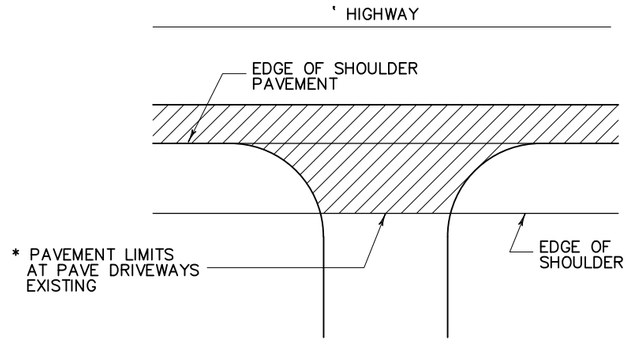
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATION, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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, THE "FLAGGER AHEAD", THE "ROAD CONSTRUCTION AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

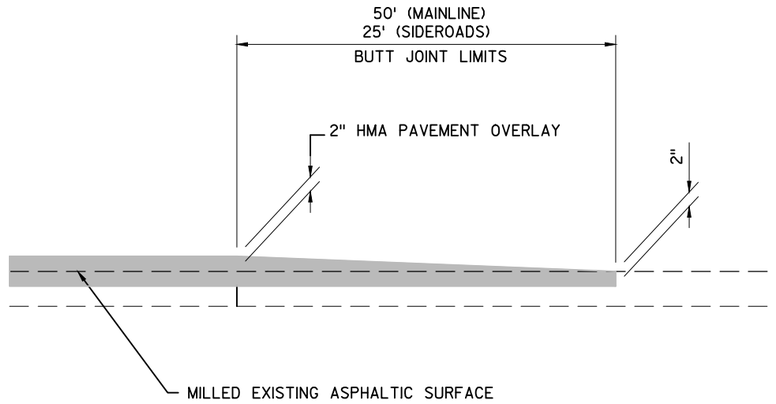
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.



* WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL

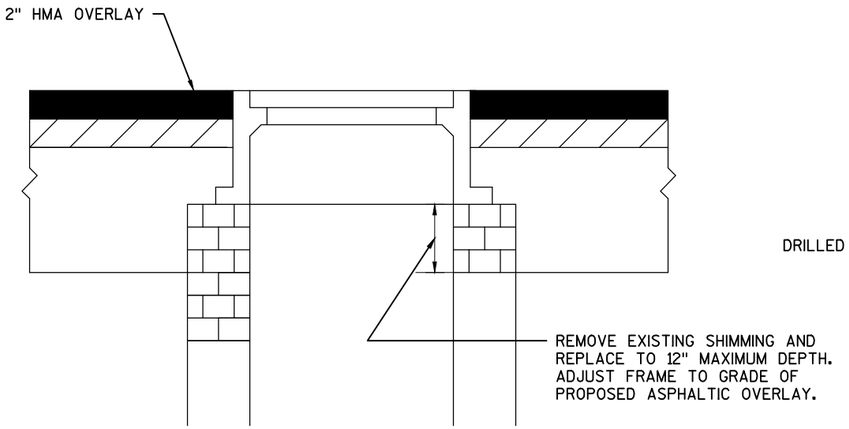


STH 145 LIMITS
STA. 553+00 - STA. 795+65

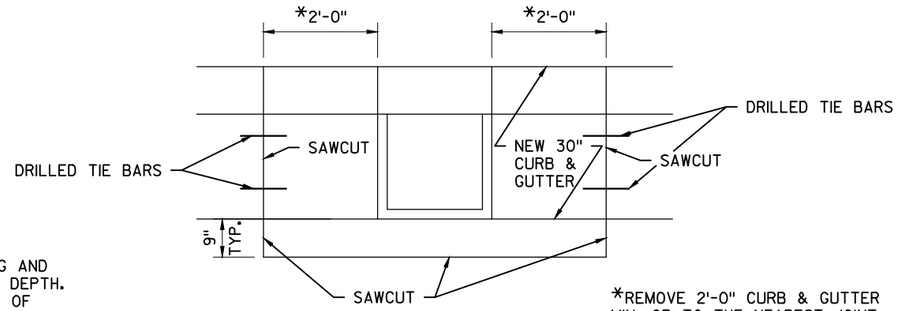
NOTE:
ALL SIDEROADS WITHIN BUTT JOINT DETAIL LIMITS REQUIRE A BUTT JOINT

BUTT JOINT DETAIL

2



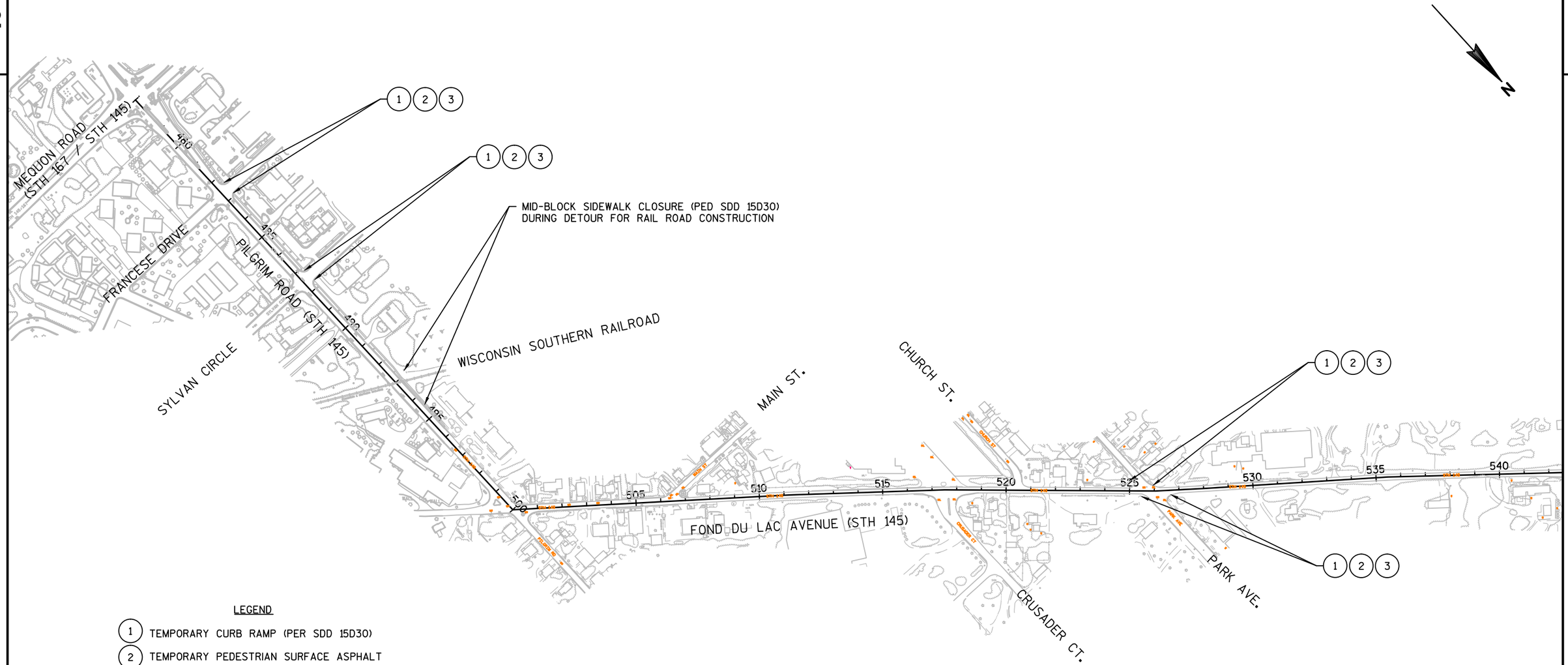
ADJUSTING INLET COVERS
SECTION VIEW



ADJUSTING INLET COVERS
PLAN VIEW

*REMOVE 2'-0" CURB & GUTTER
MIN. OR TO THE NEAREST JOINT
6'-0" MAX. UNLESS OTHERWISE DIRECTED
BY THE ENGINEER.

2



LEGEND

1. TEMPORARY CURB RAMP (PER SDD 15D30)
2. TEMPORARY PEDESTRIAN SURFACE ASPHALT
3. TOPSOIL AND SOD LAWN

NOTE:

- MAINTAIN 1 N/S PEDESTRIAN CROSSING AT FRANCES DRIVE AND SYLVAN CIRCLE
- MAINTAIN 1 N/S AND 1 E/W PEDESTRIAN CROSSING AT PARK AVENUE
- SIDEWALK TO BE CLOSED AR RR CROSSING ONLY DURING RR CONSTRUCTION DETOUR

PEDESTRIAN TRAFFIC CONTROL

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL	SHEET 22	E

GENERAL NOTES

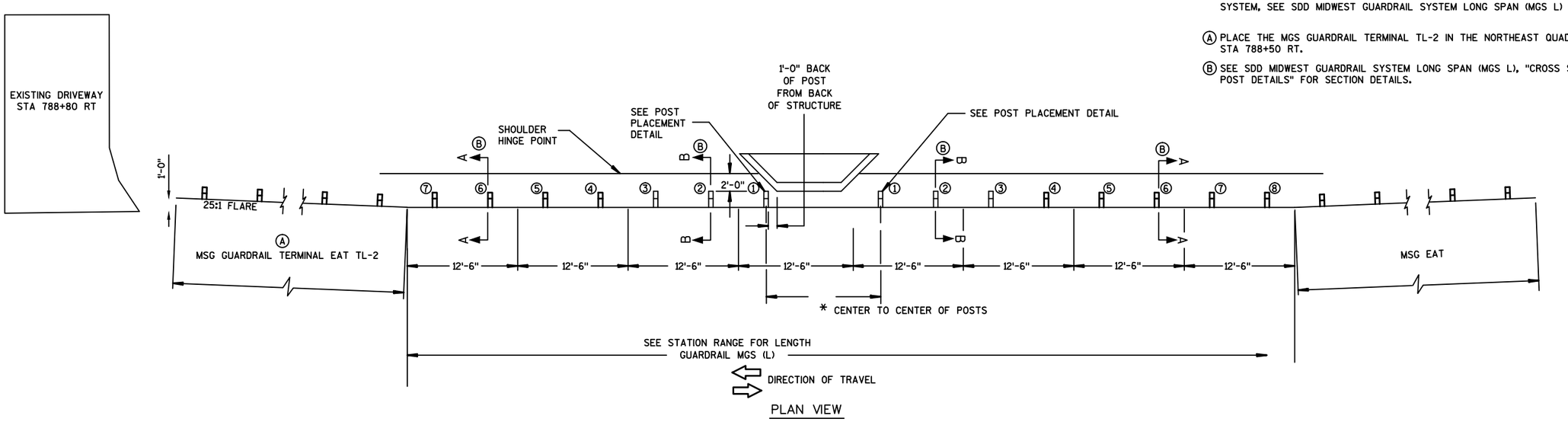
POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

SEE SDD MIDWEST GUARDRAIL SYSTEM LONG SPAN (MGS L) FOR MORE DETAILS.

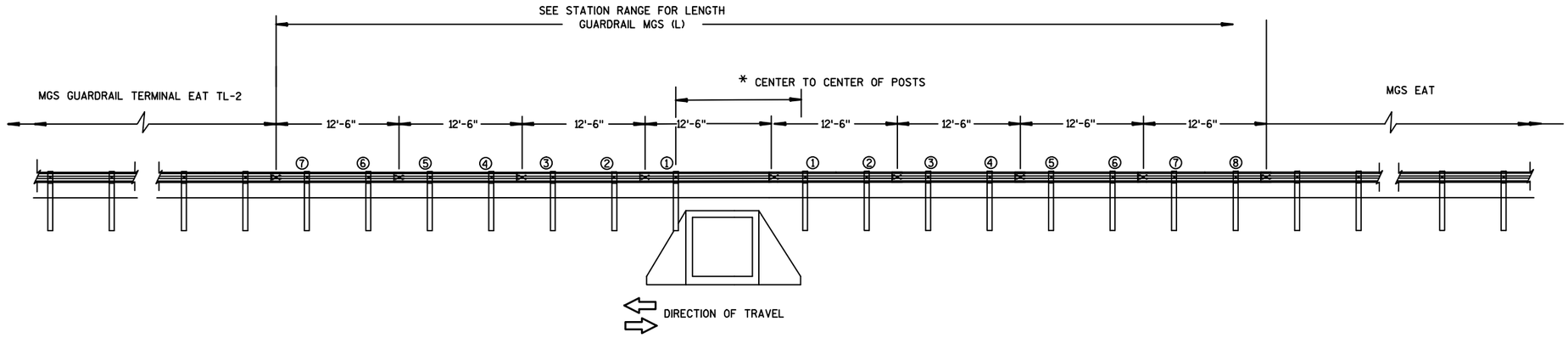
VALUES SHOWN IN THIS DRAWING REPRESENT THE 100 FT MGS GUARDRAIL LONG SPAN SYSTEM, SEE SDD MIDWEST GUARDRAIL SYSTEM LONG SPAN (MGS L) FOR OTHER LENGTHS.

(A) PLACE THE MGS GUARDRAIL TERMINAL TL-2 IN THE NORTHEAST QUADRANT ONLY, STA 788+50 RT.

(B) SEE SDD MIDWEST GUARDRAIL SYSTEM LONG SPAN (MGS L), "CROSS SECTION AND CRT POST DETAILS" FOR SECTION DETAILS.



PLAN VIEW

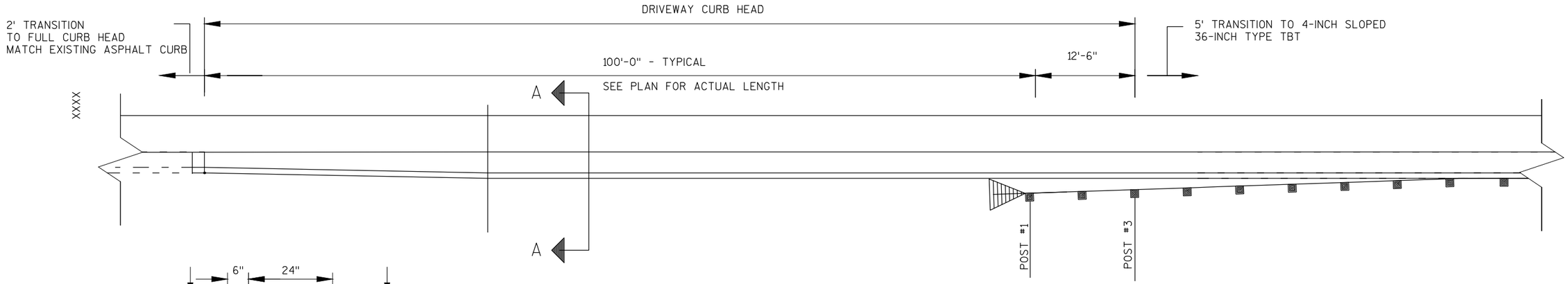


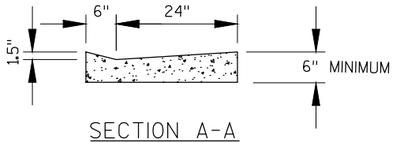
ELEVATION VIEW

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

STA 786+75 RT - STA 788+50 RT, LENGTH = 100 FT, * = 12.5'
STA 786+75 LT - STA 788+50 LT, LENGTH = 100 FT, * = 12.5'

2





SECTION A-A
PAID AS CURB & GUTTER
30-INCH TYPE D

DRIVEWAY CURB HEAD AT E.A.T.

STA 735+75-STA 736+87 RT

PROJECT NO:2475-12-60	HWY:STH 145	COUNTY:WASHINGTON	CONSTRUCTION DETAILS - DRIVEWAY CURB AT E.A.T.	SHEET _____ 24 E

2

FREISTADT RD (CTH F)

MENOMONEE RIVER

N

WETLAND DELINEATION

STA 549+14.5 28' LT
MGS GUARDRAIL
TERMINAL EAT
SEE S.D.D.

STA 549+67.5 TO STA 550+07
26' LT
MGS GUARDRAIL THRIE
BEAM TRANSITION
SEE S.D.D.

CONCRETE SURFACE DRAIN
SEE S.D.D.

WETLAND DELINEATION

RIPRAP MEDIUM
GEOTEXTILE FABRIC TYPE HR

STA 550+57 TO 550+96.5
26' LT
MGS GUARDRAIL THRIE
BEAM TRANSITION
SEE S.D.D.

STA 551+49.5 26' LT
MGS GUARDRAIL
TERMINAL EAT
SEE S.D.D.

SLOPE INTERCEPT

EXISTING RW 60'

SLOPE INTERCEPT

PT: 548+48.47

PC: 551+99.75

STH 145

48+00 549+00 550+00 551+00 552+00 553+00 554+00

B-66-99

10' 4' 12' 14' 14' 2' 3' 2'

CONCRETE
CURB AND GUTTER
4-INCH SLOPED
36-INCH TYPE TBT

CONCRETE SURFACE DRAIN
SEE S.D.D.

REMOVING ASPHALTIC SURFACE
4" HMA PAVEMENT
PAVE TO FACE OF RAIL

RIPRAP MEDIUM
GEOTEXTILE FABRIC
TYPE HR

SLOPE INTERCEPT

EXISTING RW 60'

SLOPE INTERCEPT

WETLAND DELINEATION

STA 549+14.5 28' RT
MGS GUARDRAIL
TERMINAL EAT
SEE S.D.D.

STA 549+67.5 TO STA 550+07
26' RT
MGS GUARDRAIL THRIE
BEAM TRANSITION
SEE S.D.D.

STA 550+57 TO 550+96.5
26' RT
MGS GUARDRAIL THRIE
BEAM TRANSITION
SEE S.D.D.

STA 551+49.5 26' RT
MGS GUARDRAIL
TERMINAL EAT
SEE S.D.D.

WETLAND DELINEATION

SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE *30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE *60

SILT FENCE

DELINEATED WETLAND BOUNDARY

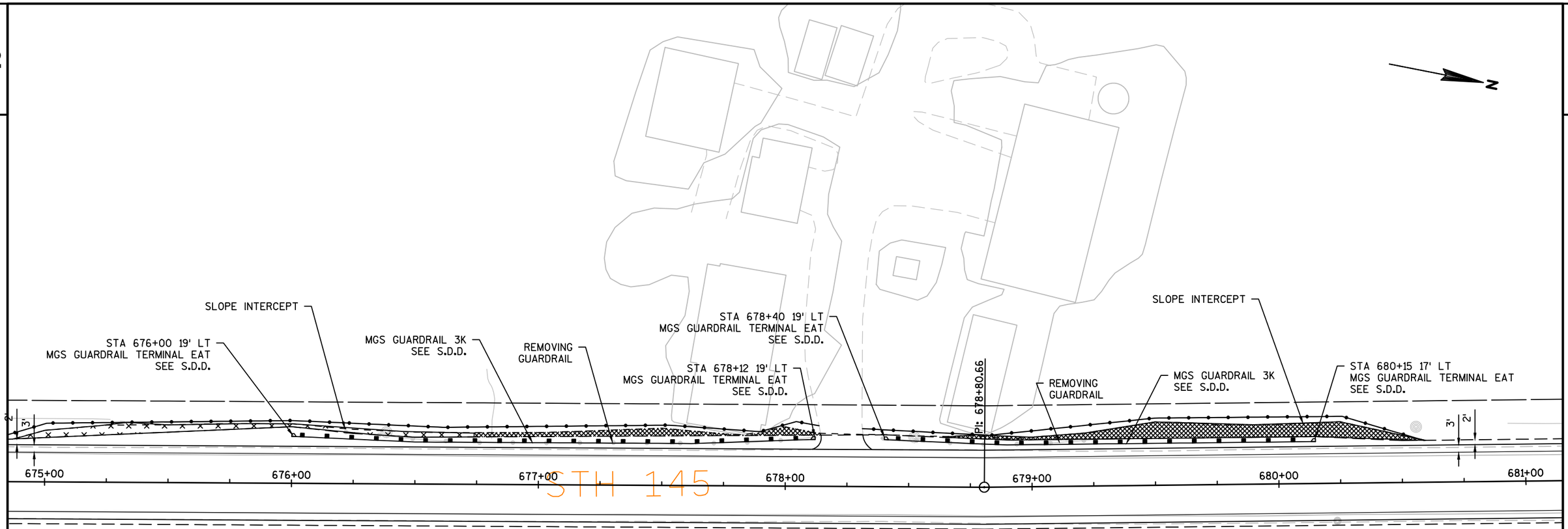
WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - STH 145/CTH F (FREISTADT ROAD)	SHEET 25	E

2



SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE *30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE *60

SILT FENCE

DELINEATED WETLAND BOUNDARY

WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAILS - STA 678+25 DRIVEWAY	SHEET 26	E

FILE NAME : N:\PDS\C3D\24751230\DESIGN\CORRIDORS\CRDR-145-BG-STA678.DWG
LAYOUT NAME - STA678 (2)
PLOT DATE : 1/27/2016 3:07 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

CTH Y

STH 145

736+00 737+00 738+00 739+00 740+00 741+00

PC: 736+82.15

PT: 740+13.14

REMOVING GUARDRAIL

REMOVING GUARDRAIL

4" ASPHALT SHOULDER

BASE AGGREGATE DENSE 3/4" SHOULDER

60' EXISTING RW

33' EXISTING RW

60' EXISTING RW

SLOPE INTERCEPT

SLOPE INTERCEPT

REMOVE ASPHALT CURB

STA 735+75 TO 738+75
CONCRETE CURB AND GUTTER
4-INCH SLOPED 36-INCH
TYPE TBT

STA 735+75 TO 736+88
DRIVEWAY CURB CUT
SEE CONSTRUCTION DETAIL

STA 736+75 19' RT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

STA 737+25 - STA 738+75
MGS GUARDRAIL 3
WITH 16" BLOCKOUTS
SEE S.D.D.

REMOVING GUARDRAIL

ASPHALTIC FLUME

RIPRAP MEDIUM

STA 738+85 - 739+35
MGS GUARDRAIL 3K

STA 739+75 17' RT
BEGIN GUARDRAIL TAPER

STA 740+25 20' RT
END GUARDRAIL TAPER

MGS GUARDRAIL 3
SEE S.D.D.

SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE #30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE #60

SILT FENCE

DELINEATED WETLAND BOUNDARY

WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL - STH 145/CTH Y	SHEET 27	E

FILE NAME : N:\PDS\C3D\24751230\DESIGN\CORRIDORS\CRDR-145-BG-STA741.DWG
LAYOUT NAME - CRDR-145-BG-STA741 - SHEET - (1)
PLOT DATE : 7/21/2016 2:04 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LITTLE CEDAR CREEK

N

WETLAND DELINEATION

STA 741+50 22' LT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

SLOPE INTERCEPT

MGS GUARDRAIL 3
SEE S.D.D.

STA 743+33 TO 743+59 20' LT
ANCHOR POST ASSEMBLIES TOP MOUNTED
SEE S.D.D.

STA 743+11 TO 743+80 20' LT
MGS GUARDRAIL 3K
SEE S.D.D.

WETLAND DELINEATION

EXISTING RW 60'

MGS GUARDRAIL 3
SEE S.D.D.

SLOPE INTERCEPT

WETLAND DELINEATION

EXISTING RW 50'

STA 746+88 22' LT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

746+47.62

741+00 742+00 743+00 744+00 745+00 746+00 747+00

B-66-091

MH

5' 3' 3' 2'

MGS GUARDRAIL 3
SEE S.D.D.

STA 743+78 TO 744+47 20' RT
MGS GUARDRAIL 3K
SEE S.D.D.

STA 743+00 TO 743+25 20' RT
ANCHOR POST ASSEMBLIES TOP MOUNTED
SEE S.D.D.

MGS GUARDRAIL 3
SEE S.D.D.

EXISTING RW 60'

WETLAND DELINEATION

SLOPE INTERCEPT

STA 745+00 22' RT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

HO

LITTLE CEDAR CREEK

SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE #30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE #60

SILT FENCE

DELINEATED WETLAND BOUNDARY

WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL - STH 145/CTH Y	SHEET 28	E

FILE NAME : N:\PDS\C3D\24751230\DESIGN\CORRIDORS\CRDR-145-BG-STA741.DWG
LAYOUT NAME - SHEET - (4)
PLOT DATE : 1/28/2016 6:22 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PIONEER ROAD

STA 779+60 19'LT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

SLOPE INTERCEPT

REMOVING GUARDRAIL

35' EXISTING RW

782+58.09

MGS GUARDRAIL 3K
SEE S.D.D.

780+00

781+00

782+00

783+00

784+00

785+00

STH 145

STH 145

SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE #30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE #60

SILT FENCE

DELINEATED WETLAND BOUNDARY

WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL - STH 145/PIONEER ROAD	SHEET 29	E

FILE NAME : N:\PDS\C3D\24751230\DESIGN\CORRIDORS\CRDR-145-BG-STA788.DWG
LAYOUT NAME - CRDR-145-BG-STA788 - SHEET - (1)

PLOT DATE : 1/27/2016 3:09 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MGS GUARDRAIL 3L
SEE S.D.D.

REMOVE EXISTING DRIVEWAY

SLOPE INTERCEPT

REMOVING GUARDRAIL

MGS GUARDRAIL 3
SEE S.D.D.

STA 789+00 19' LT
MGS GUARDRAIL TERMINAL EAT
SEE S.D.D.

MGS GUARDRAIL 3K
SEE S.D.D.

EXISTING RW 35'

786+99.43

MH

786+00

787+00

788+00

789+00

STH 145

790+00

791+00

3'

2'

EXISTING 72"X30"
BOX CULVERT

EXISTING RW 35'

SLOPE INTERCEPT

REMOVING GUARDRAIL

MGS GUARDRAIL 3L
SEE CONSTRUCTION DETAIL

STA 788+50 15' RT
MGS GUARDRAIL
TERMINAL EAT TL-2
SEE CONSTRUCTION DETAIL

STA 786+75 16' RT
MGS GUARDRAIL
TERMINAL EAT
SEE S.D.D.

SOD LAWN

EROSION MAT URBAN CLASS 1 TYPE B, SEED MIXTURE *30

EROSION MAT URBAN CLASS I TYPE B, SEED MIXTURE *60

SILT FENCE

DELINEATED WETLAND BOUNDARY

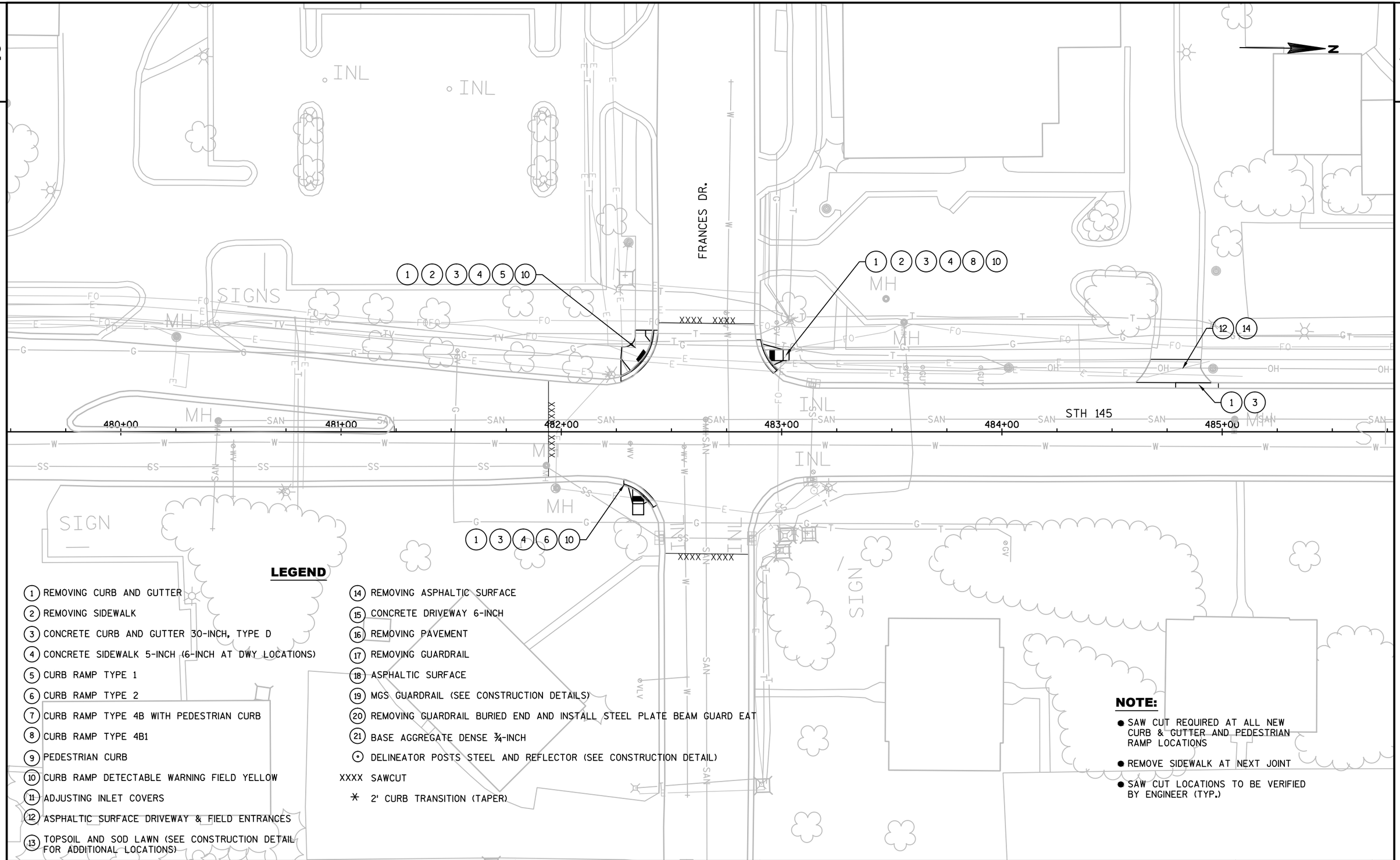
WETLAND

EROSION BALES

TEMPORARY DITCH CHECKS

SEPC

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CONSTRUCTION DETAIL - STH 145/PIONEER ROAD	SHEET 30	E



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

2' CURB TRANSITION (TAPER)

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - FRANCES DR.	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021101_ID.DWG
LAYOUT NAME - 021101_ID

PLOT DATE : 1/29/2016 1:58 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SYLVAN CIR.

STH 145

485+00 486+00 487+00 488+00 489+00 490+00

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

⚹ 2' CURB TRANSITION (TAPER)

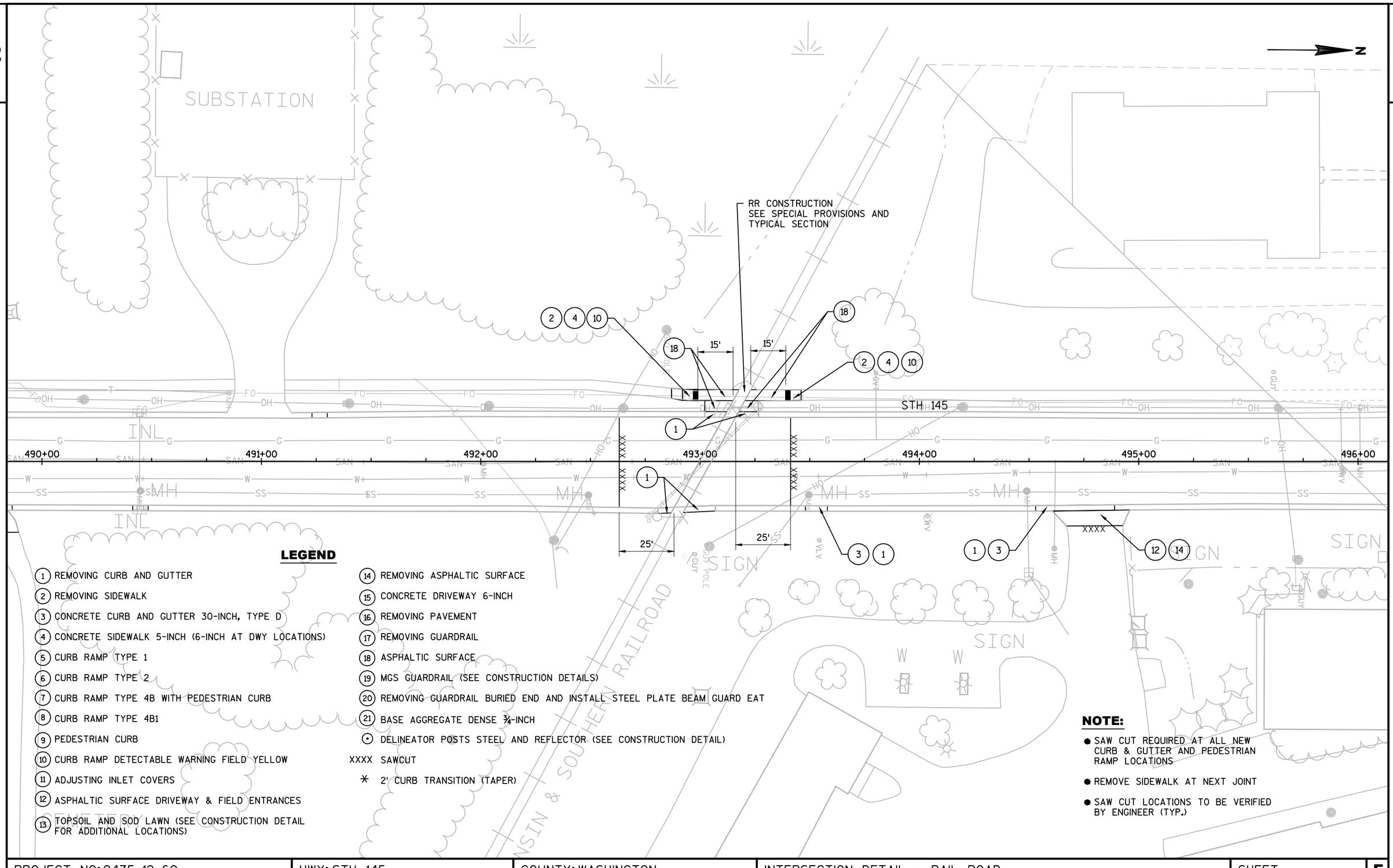
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

CEMETERY

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - SYLVAN CIR.	SHEET 32	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
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13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

✳ 2' CURB TRANSITION (TAPER)

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - RAIL ROAD	SHEET 33	E

2

2

STH 145

497+00 498+00 499+00 500+00 501+00 502+00

PI: 500+00.00

PILGRIM RD.

WALLS

SIGN

MH

W

N

MILL EXISTING ASPHALT CURB AND PLACE ASPHALTIC CURB TO MATCH EXISTING (SEE CONSTRUCTION DETAIL)

XXXX

FOND DU LAC AVE.

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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5. CURB RAMP TYPE 1
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9. PEDESTRIAN CURB
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

✳ 2' CURB TRANSITION (TAPER)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - PILGRIM RD.	SHEET 34	E

2

PARK AVE.

525+00

526+00

527+00

REMOVING INLET
PLACE INLET 2X3

PI: 526+05.88

MH

INL

XXXX XXXX XXXX

XXXX XXXX XXXX XXXX XXXX XXXX XXXX

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
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18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

✳ 2' CURB TRANSITION (TAPER)

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - PARK AVE.	SHEET 35	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021104_ID.DWG
LAYOUT NAME - 021104_ID (1)
PLOT DATE : 1/28/2016 12:40 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:20 FT

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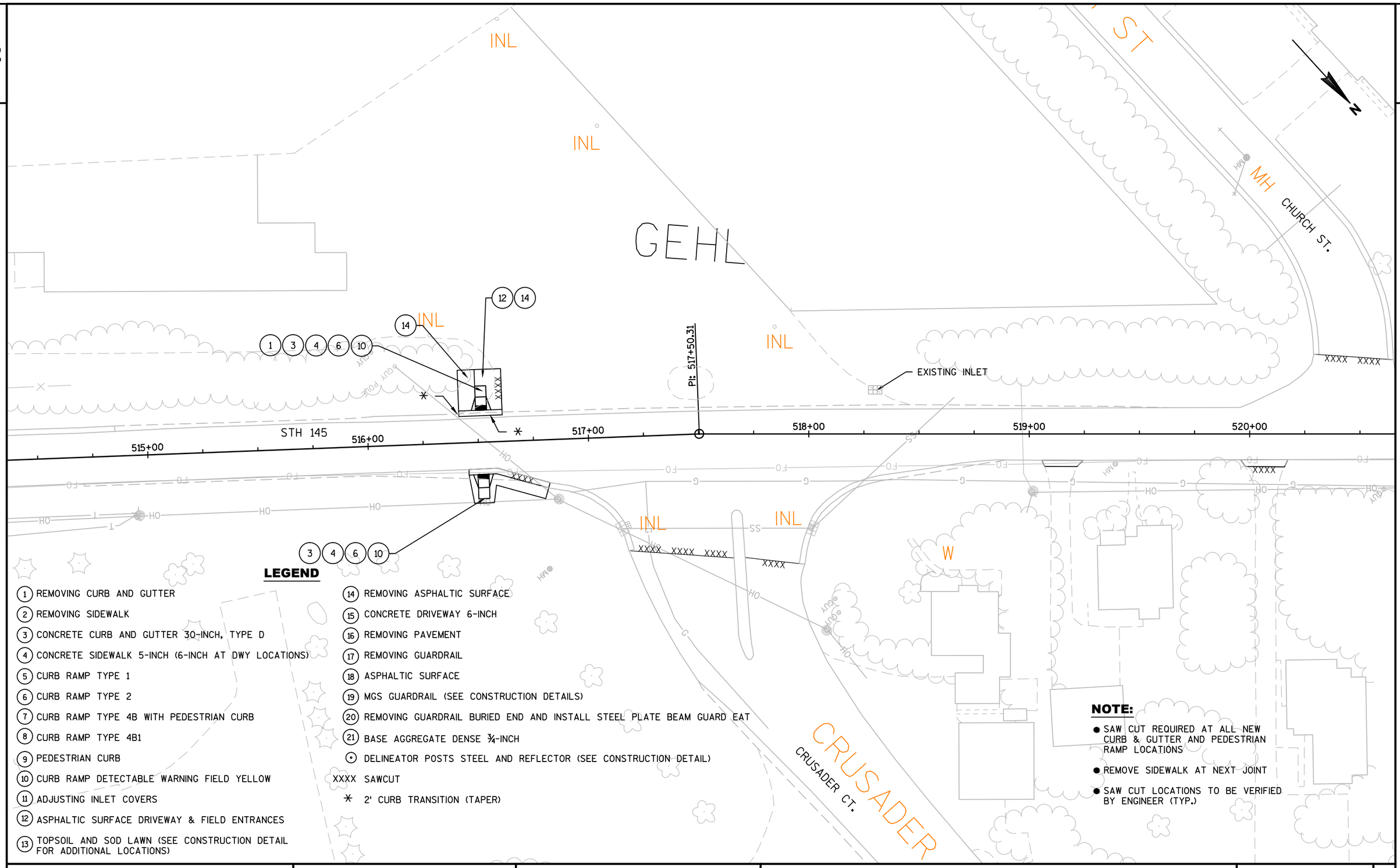

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
20. REMOVING GUARDRAIL BURIED END AND INSTALL STEEL PLATE BEAM GUARD EAT
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

✳ 2' CURB TRANSITION (TAPER)

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION DETAIL - CRUSADER CT.	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021101_ID.DWG
LAYOUT NAME - 021105_ID
PLOT DATE : 1/28/2016 12:39 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

BEGIN MILL/OVERLAY
STA. 481+94
X = 383528.7240
Y = 110865.7022

STH 167

BP: 477+44.25

FRANCES DR.

SYLVAN CIR

SEE INTERSECTION DETAIL

STH 145

478 480 482 484 486 488

SIGN PHONE

CANOPY

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
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15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)
(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

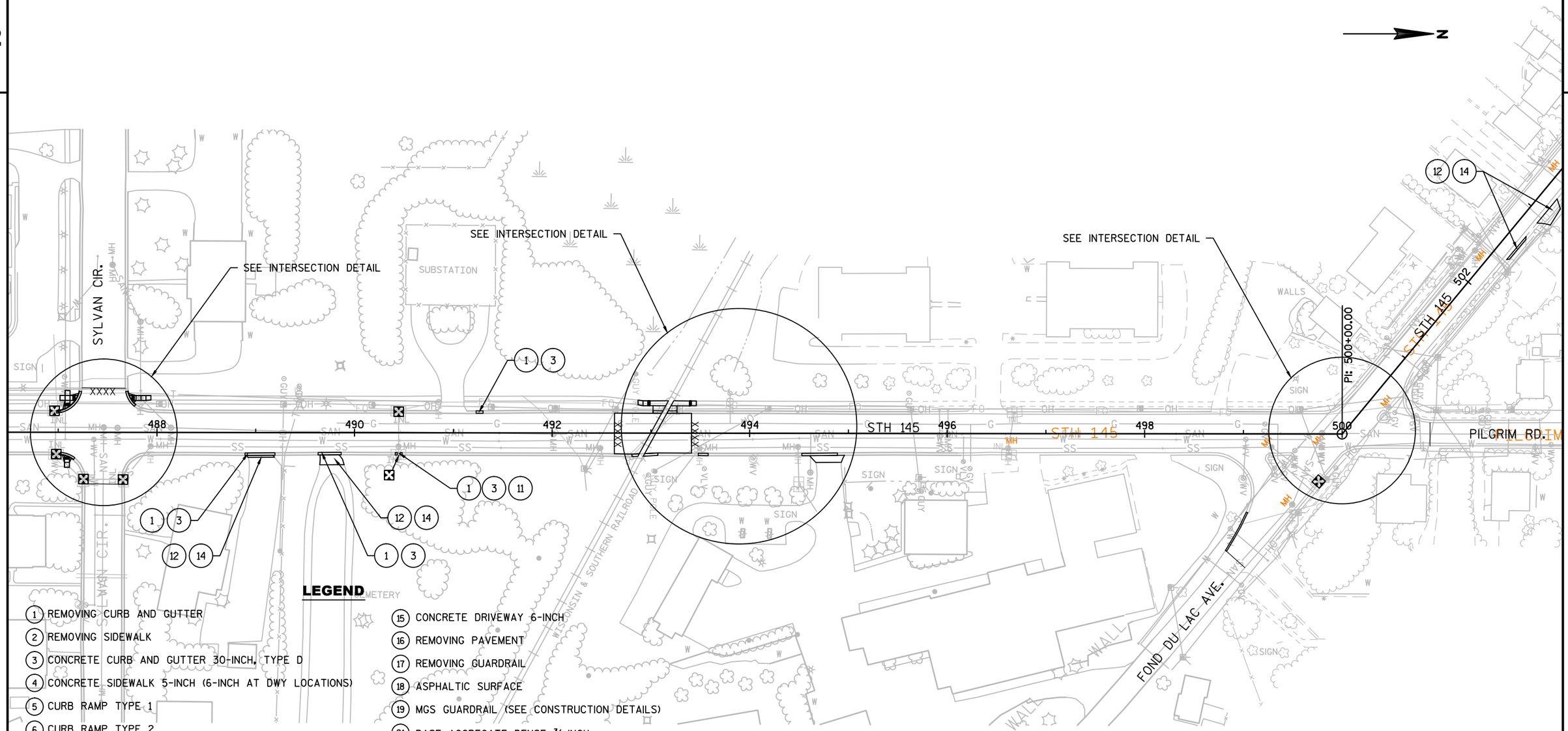
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021201_PD

PLOT DATE : 1/28/2016 11:23 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
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9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
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15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

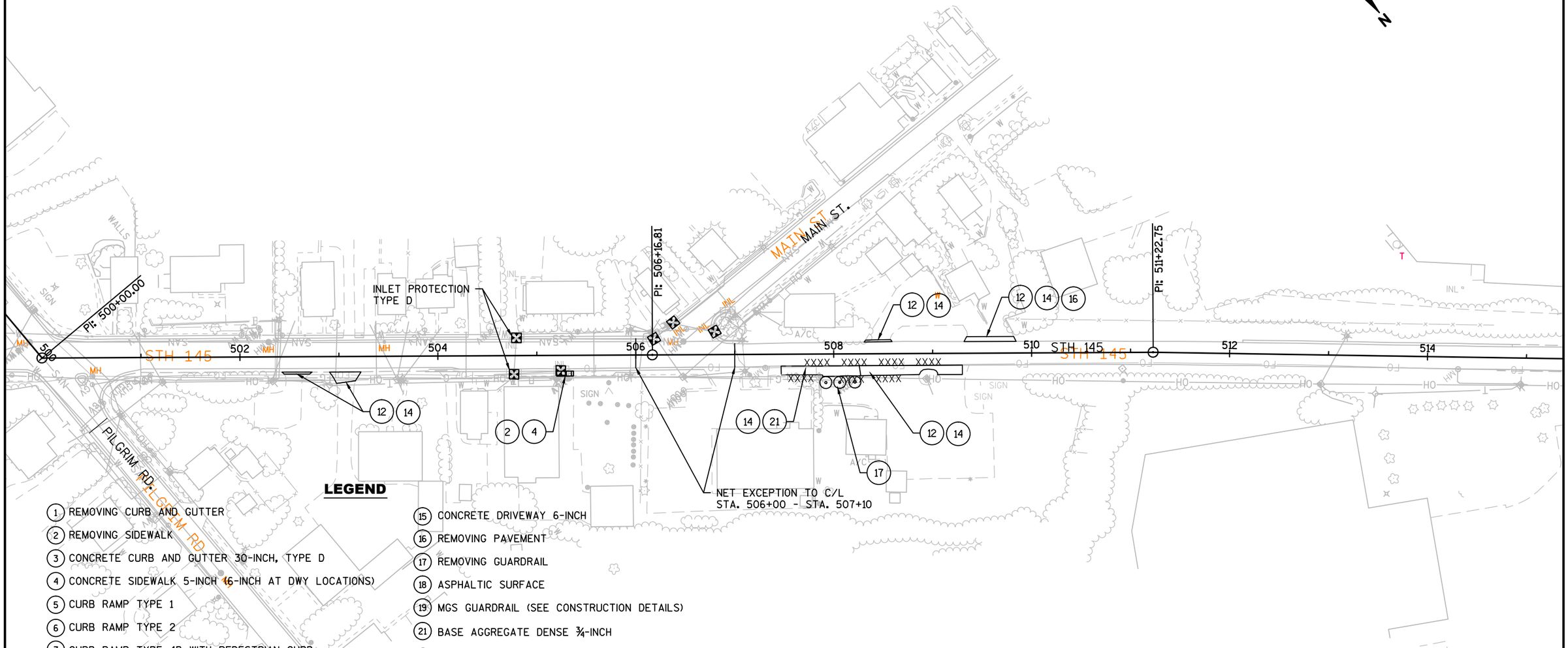
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 38	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)
(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

✳ 2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 39	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021203_PD
PLOT DATE : 1/28/2016 11:24 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

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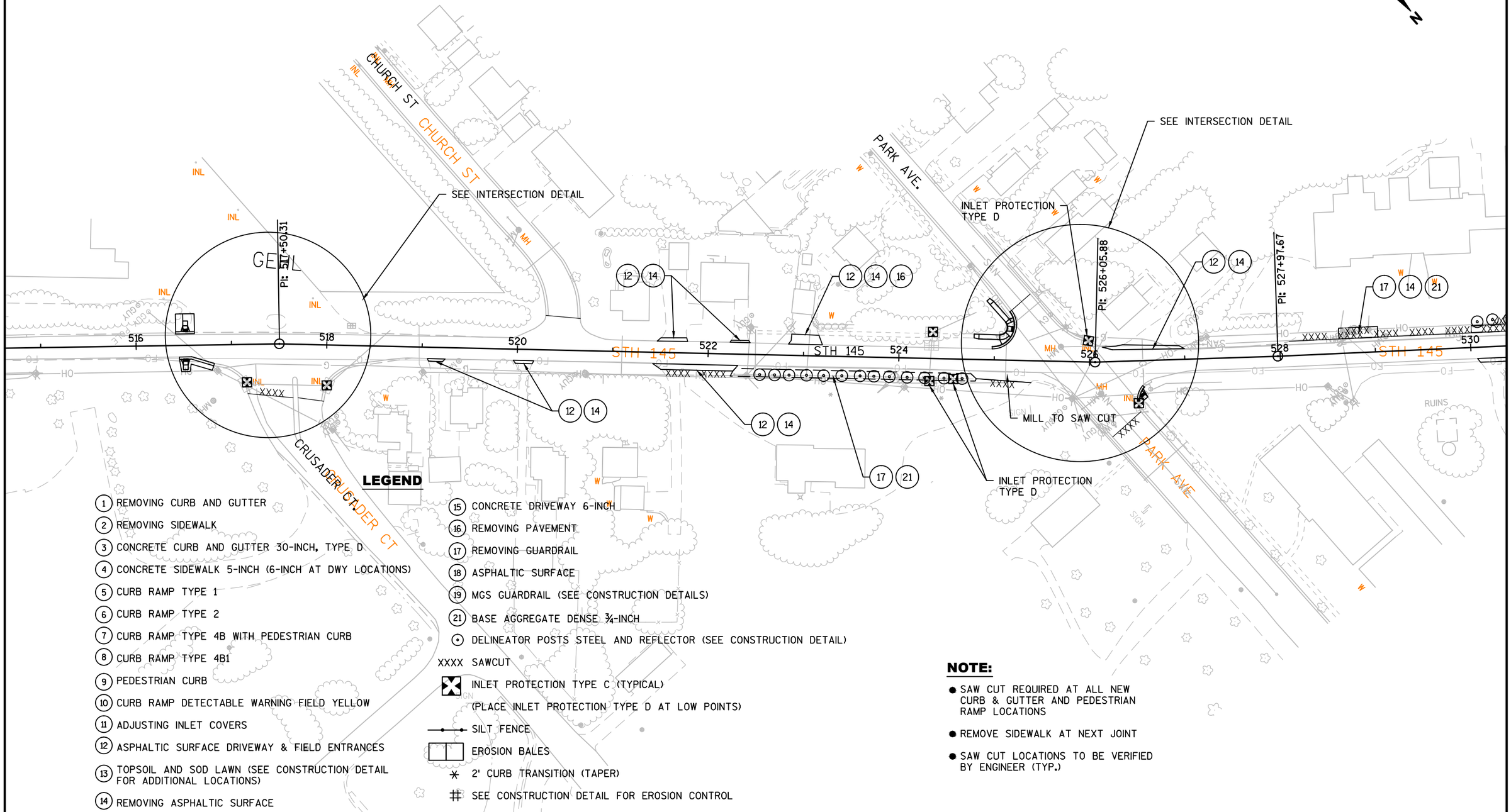

LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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9. PEDESTRIAN CURB
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)
(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

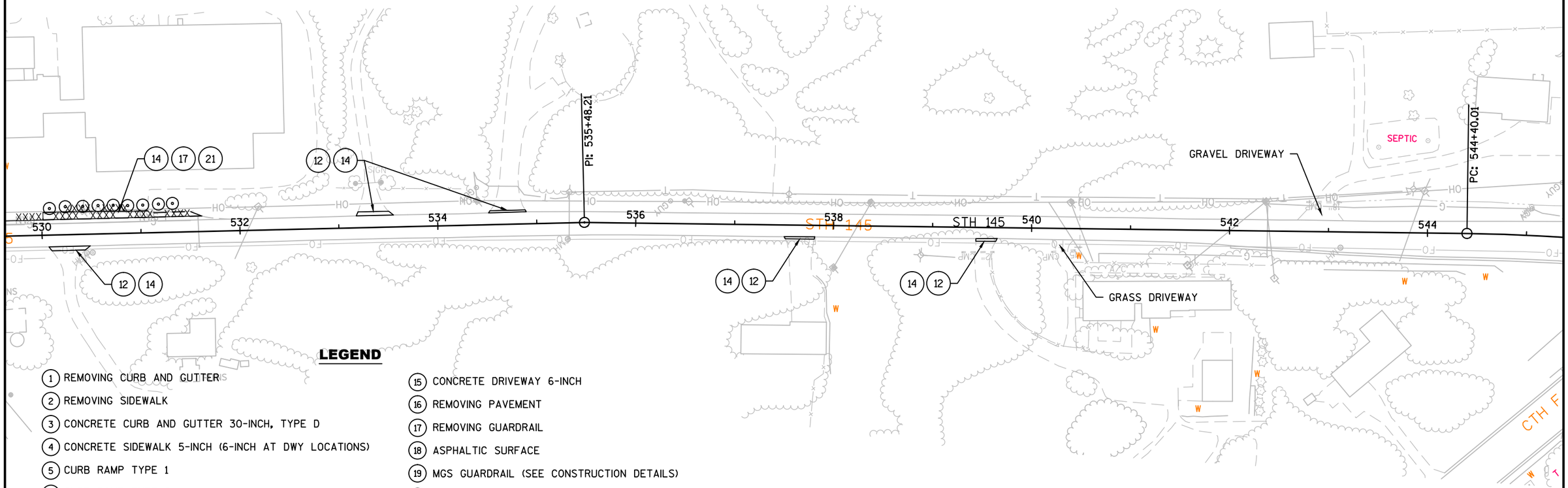
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 40	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

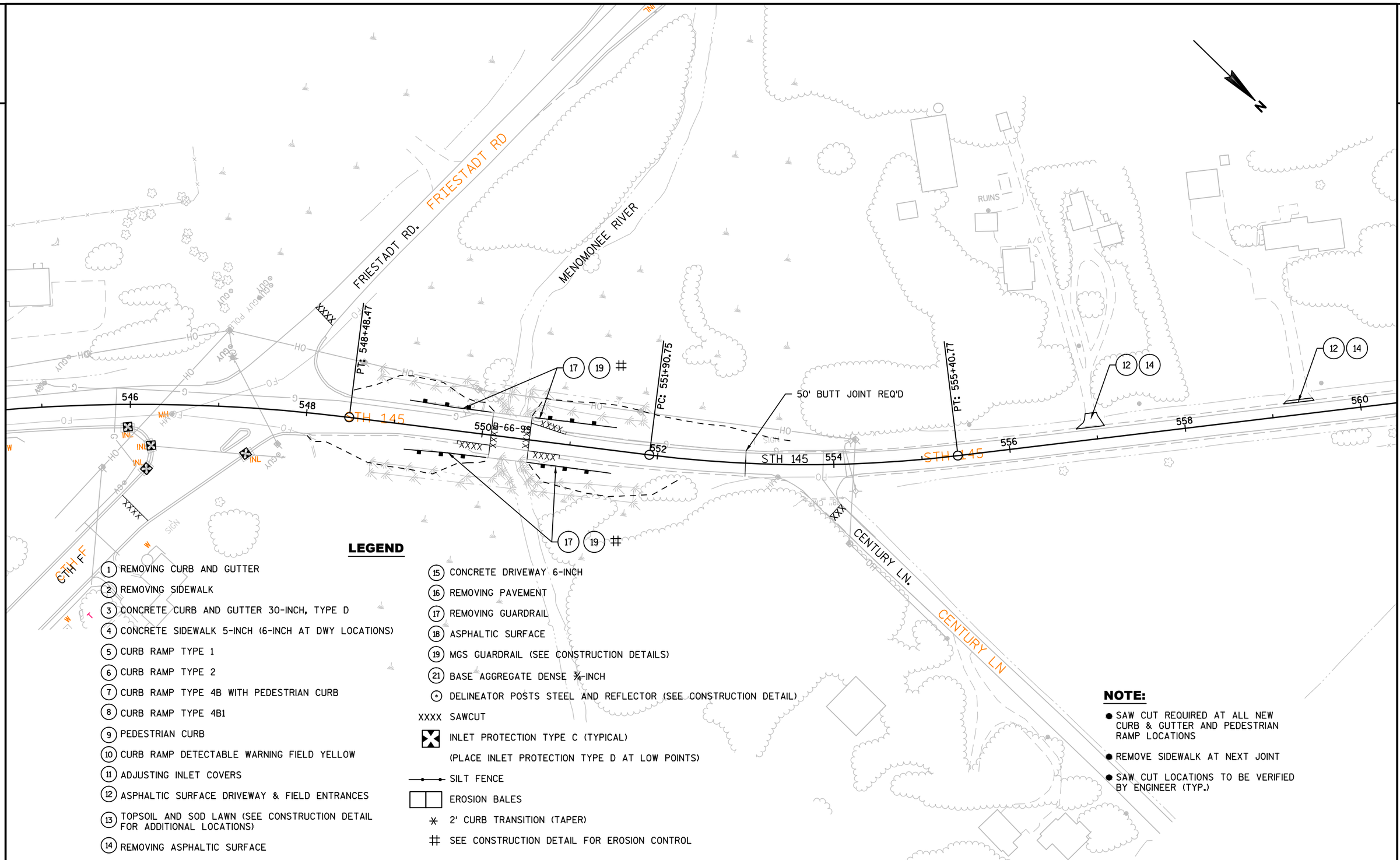
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 41	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

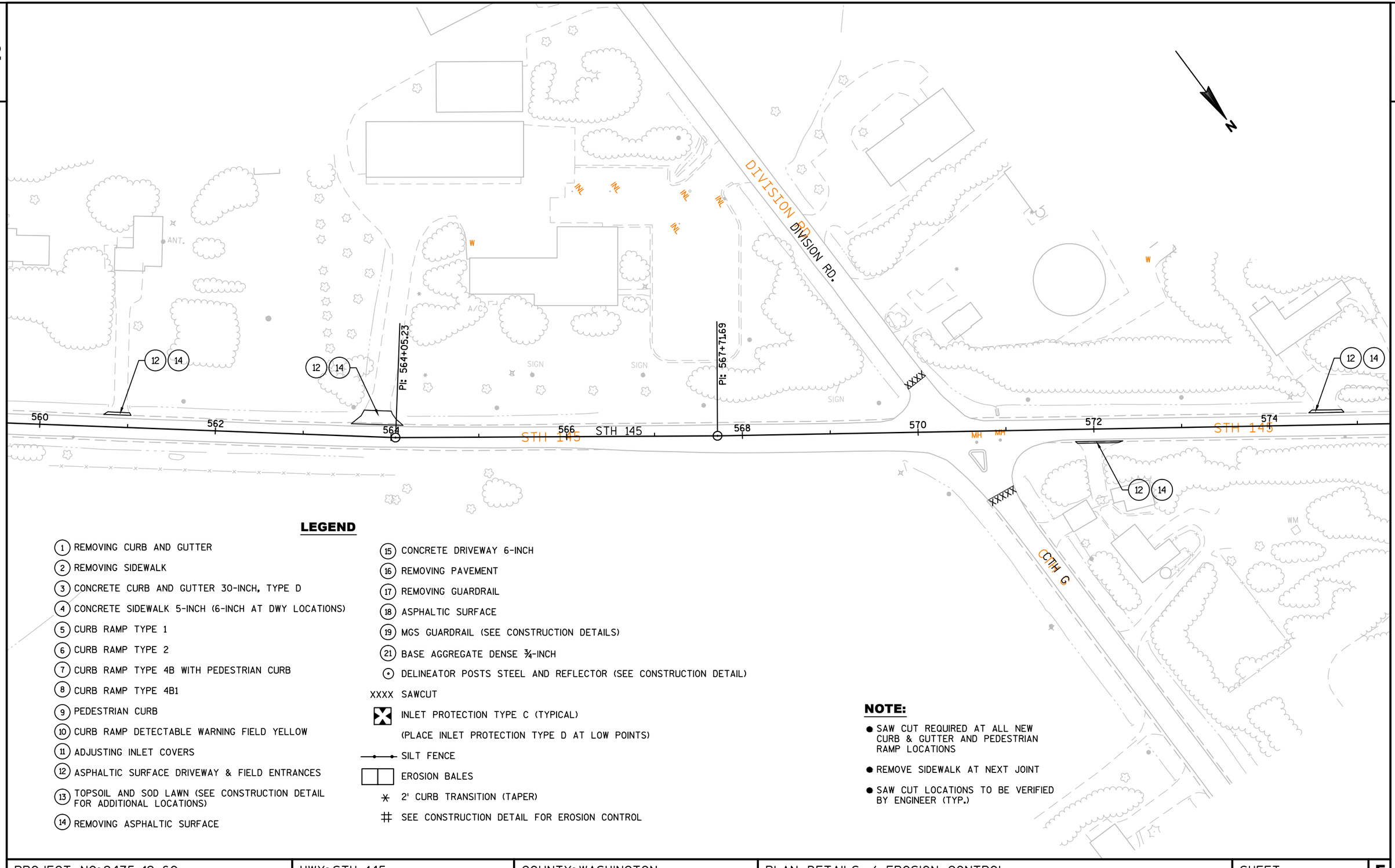
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 42	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021206_PD
PLOT DATE : 1/28/2016 11:24 AM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

- DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)
- XXXX SAWCUT
- INLET PROTECTION TYPE C (TYPICAL)
- (PLACE INLET PROTECTION TYPE D AT LOW POINTS)
- SILT FENCE
- EROSION BALES
- 2' CURB TRANSITION (TAPER)
- SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

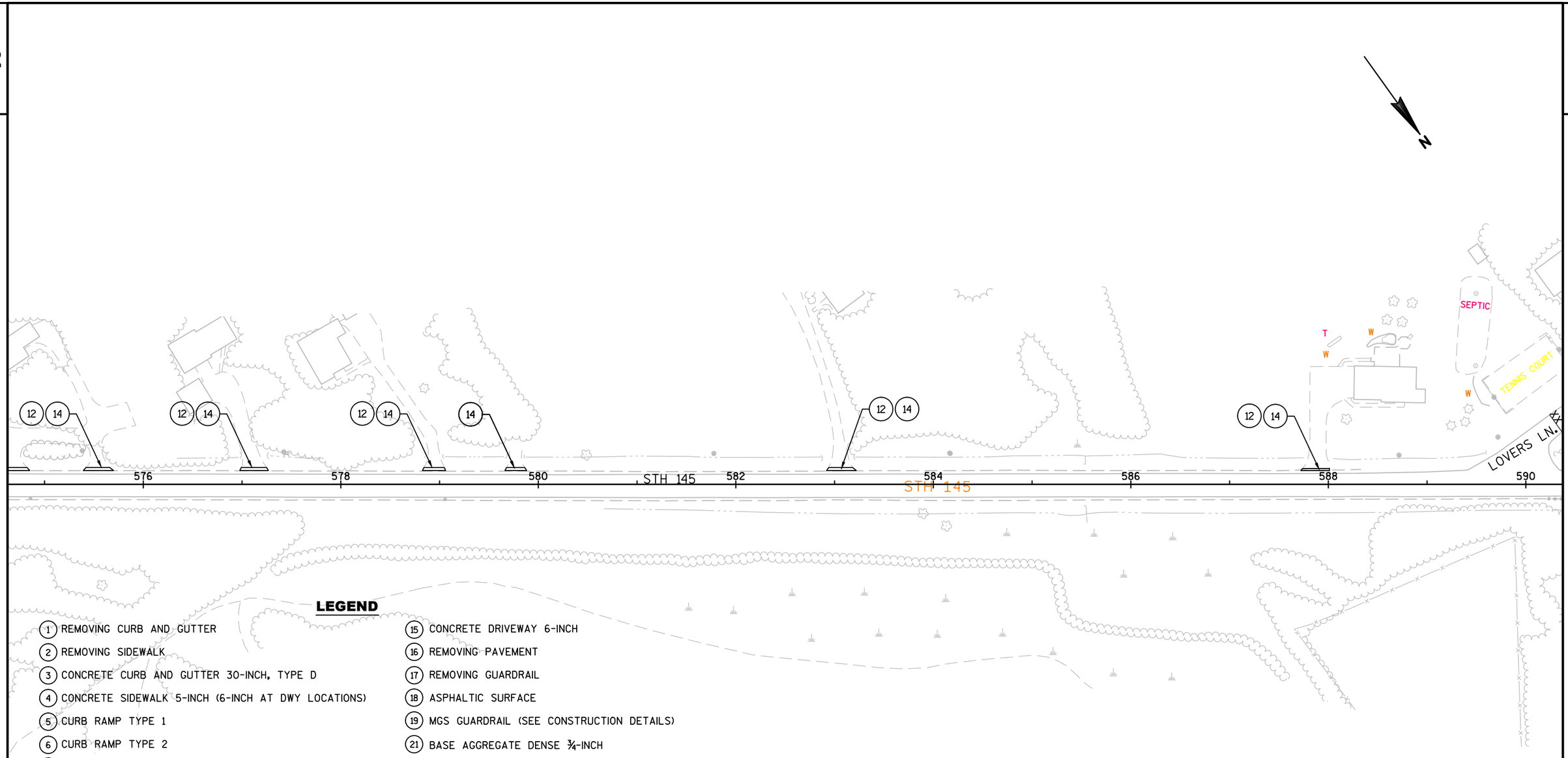
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 43	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021207_PD
PLOT DATE : 1/28/2016 11:24 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

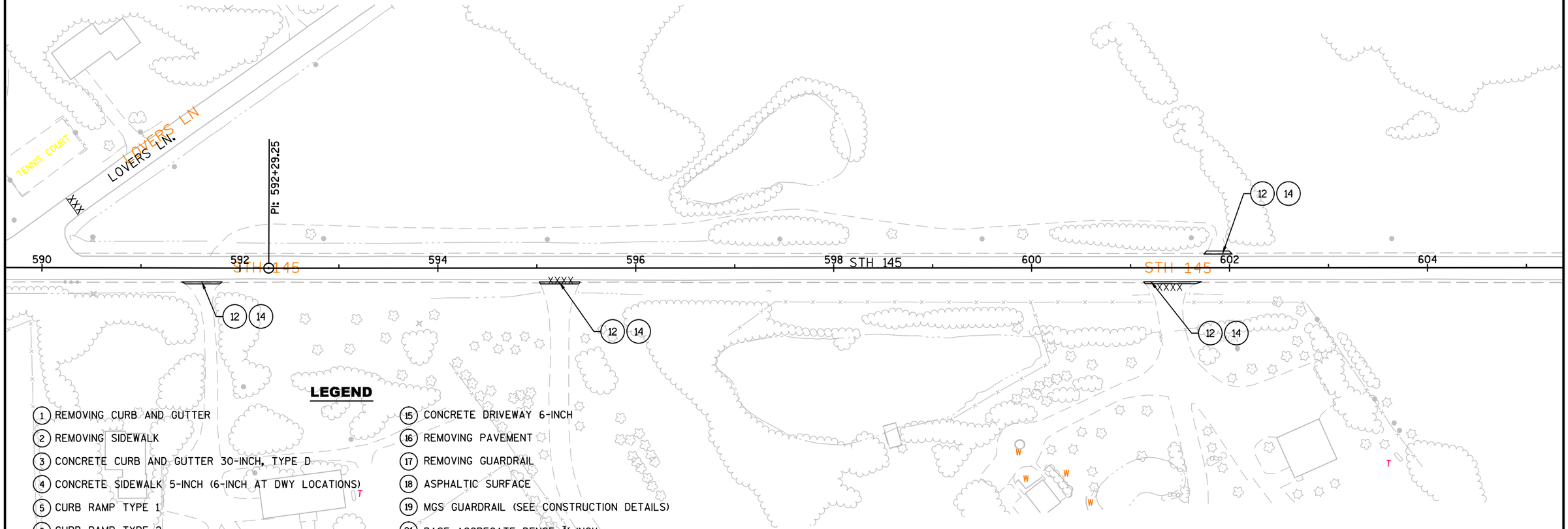
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 44	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021208_PD
PLOT DATE : 1/28/2016 11:24 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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9. PEDESTRIAN CURB
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

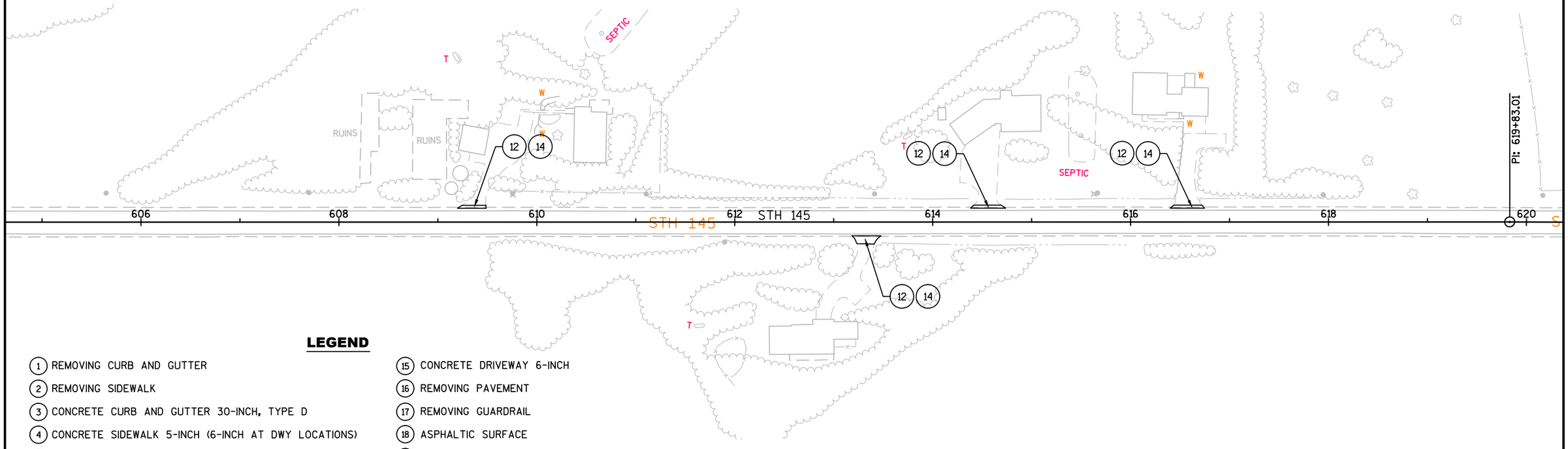
- DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)
- XXXX SAWCUT
- INLET PROTECTION TYPE C (TYPICAL)
  (PLACE INLET PROTECTION TYPE D AT LOW POINTS)
- SILT FENCE
- EROSION BALES
- 2' CURB TRANSITION (TAPER)
- SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 45	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
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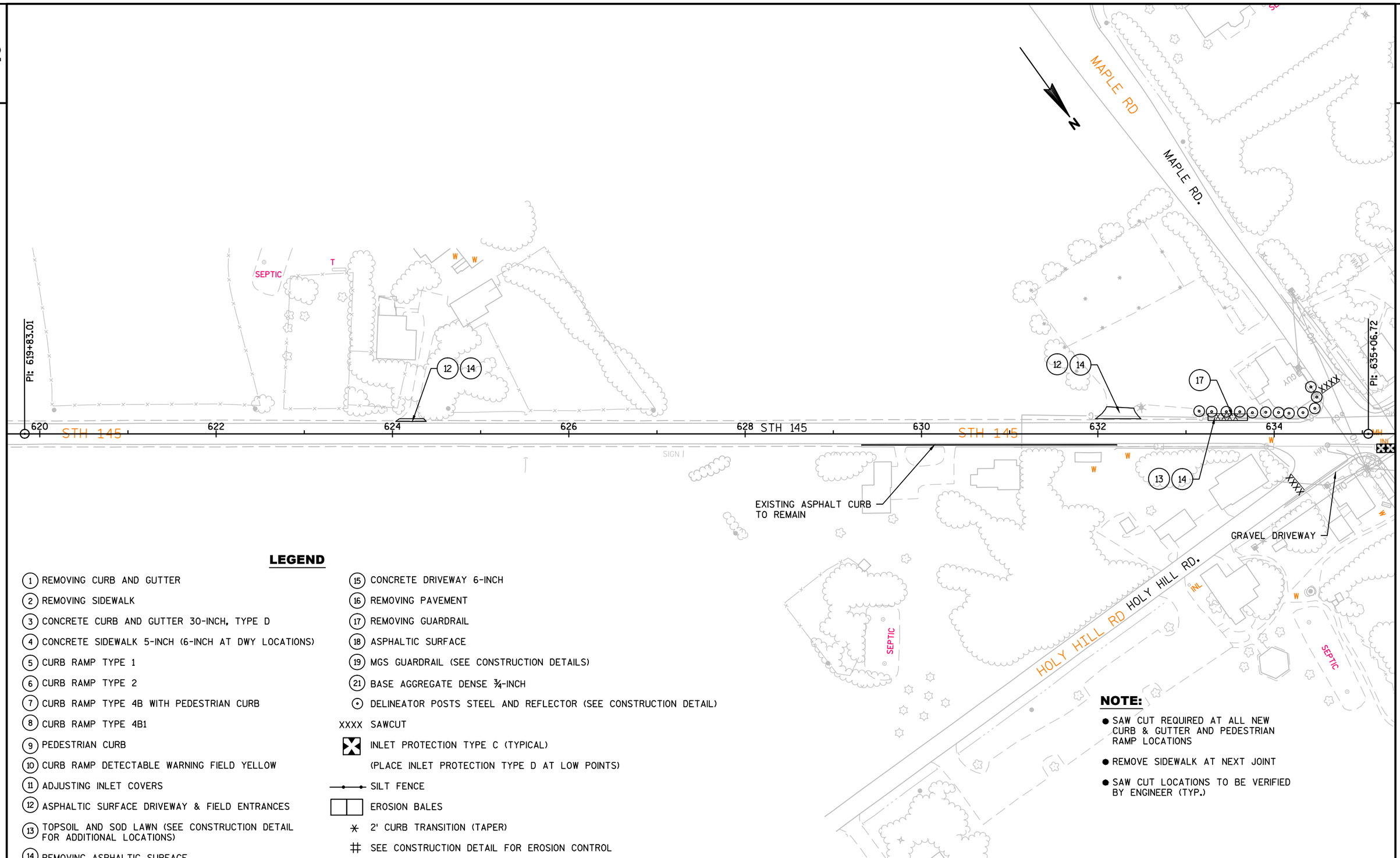
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

- DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)
- XXXX SAWCUT
- INLET PROTECTION TYPE C (TYPICAL)
  (PLACE INLET PROTECTION TYPE D AT LOW POINTS)
- SILT FENCE
- EROSION BALES
- 2' CURB TRANSITION (TAPER)
- SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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9. PEDESTRIAN CURB
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13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
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16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

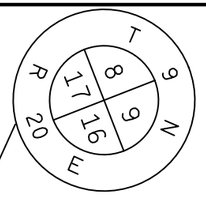
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 47	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021211_PD
PLOT DATE : 1/28/2016 11:24 AM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



CAUTION: SECTION CORNER MONUMENT
STA. 635+06.72
E = 372934.2800
N = 121022.7940
ELEVATION 919.316
SEE GENERAL NOTES AND SPECIAL PROVISIONS
FOR REQUIRED ACTION.

HOLY HILL RD.

PI: 635+06.72

PI: 636+24.42

PC: 638+30.25

STH 145

636 638 640 642 644 646 648 650

XXXX

XXX

INLET PROTECTION TYPE B

EXISTING ASPHALT CURB TO REMAIN

BEGIN ASPHALTIC RUMBLE STRIPS
STA. 642+75

MAPLE RD.

SEPTIC

CEMETERY

POOL

SIGN

(1) REMOVING CURB AND GUTTER
(2) REMOVING SIDEWALK
(3) CONCRETE CURB AND GUTTER 30-INCH, TYPE D
(4) CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
(5) CURB RAMP TYPE 1
(6) CURB RAMP TYPE 2
(7) CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
(8) CURB RAMP TYPE 4B1
(9) PEDESTRIAN CURB
(10) CURB RAMP DETECTABLE WARNING FIELD YELLOW
(11) ADJUSTING INLET COVERS
(12) ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
(13) TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
(14) REMOVING ASPHALTIC SURFACE

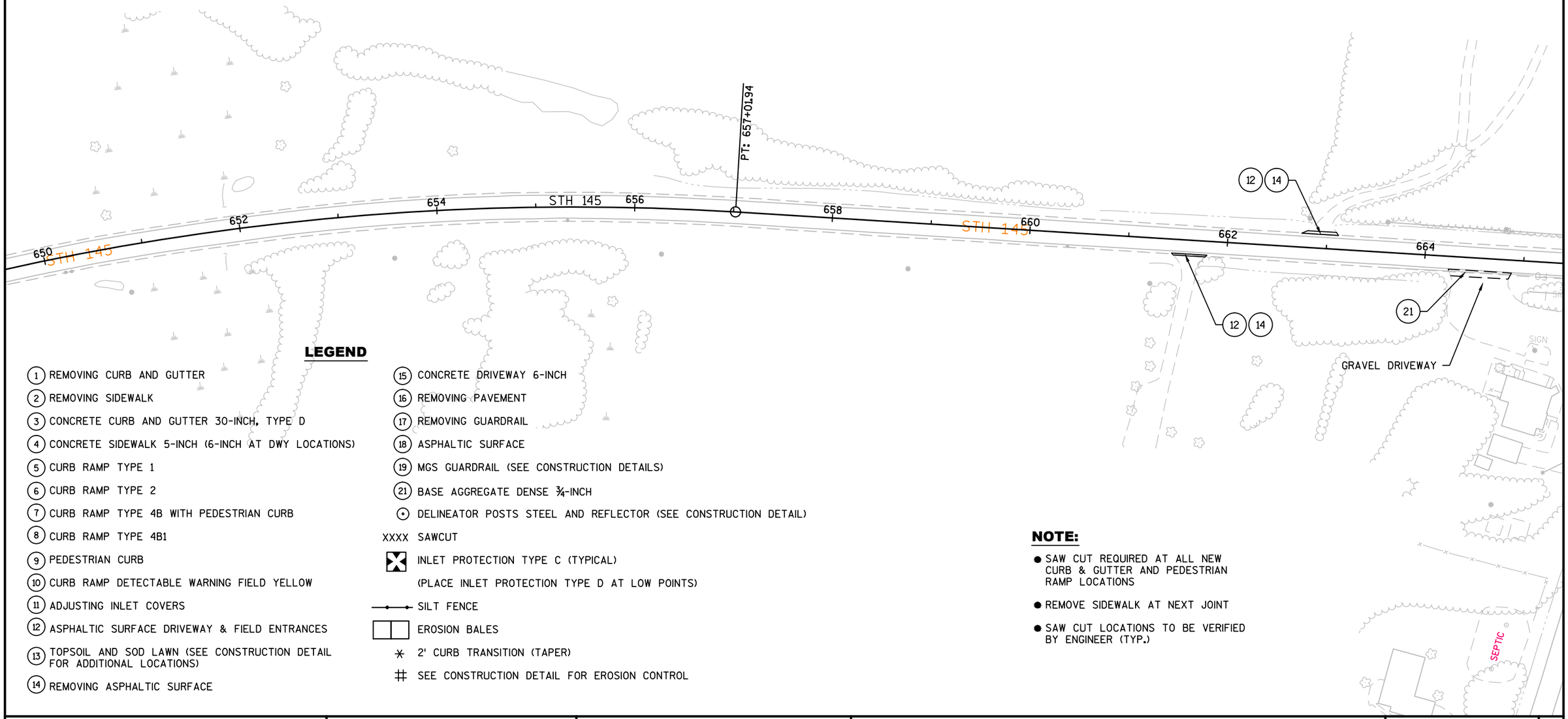
(15) CONCRETE DRIVEWAY 6-INCH
(16) REMOVING PAVEMENT
(17) REMOVING GUARDRAIL
(18) ASPHALTIC SURFACE
(19) MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
(21) BASE AGGREGATE DENSE ¾-INCH
⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)
XXXX SAWCUT
INLET PROTECTION TYPE C (TYPICAL)
(PLACE INLET PROTECTION TYPE D AT LOW POINTS)
SILT FENCE
EROSION BALES
2' CURB TRANSITION (TAPER)
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 48	E

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
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9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
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13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

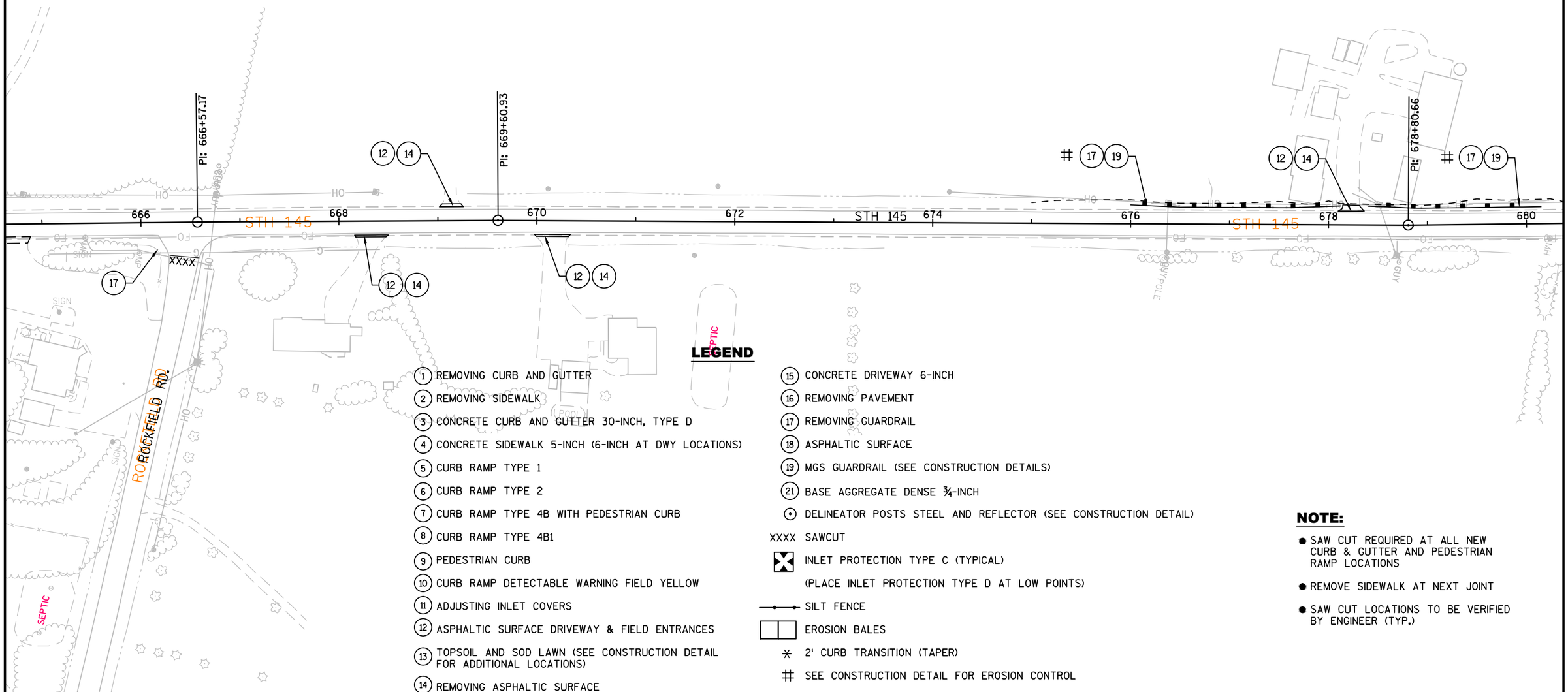
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 49	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021213_PD
PLOT DATE : 1/28/2016 11:25 AM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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15. CONCRETE DRIVEWAY 6-INCH
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

- ⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)
- XXXX SAWCUT
- INLET PROTECTION TYPE C (TYPICAL)
- (PLACE INLET PROTECTION TYPE D AT LOW POINTS)
- SILT FENCE
- EROSION BALES
- 2' CURB TRANSITION (TAPER)
- # SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

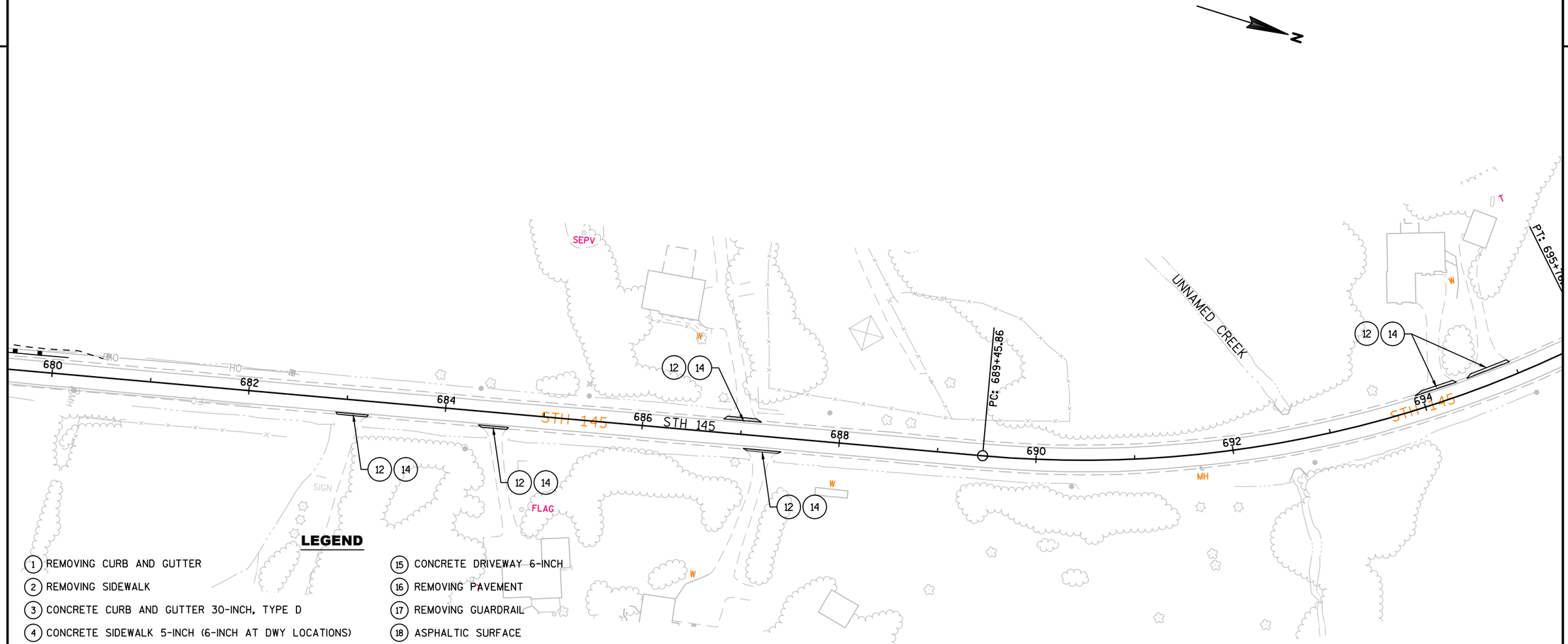
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 50	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021214_PD
PLOT DATE : 1/28/2016 11:25 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
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3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

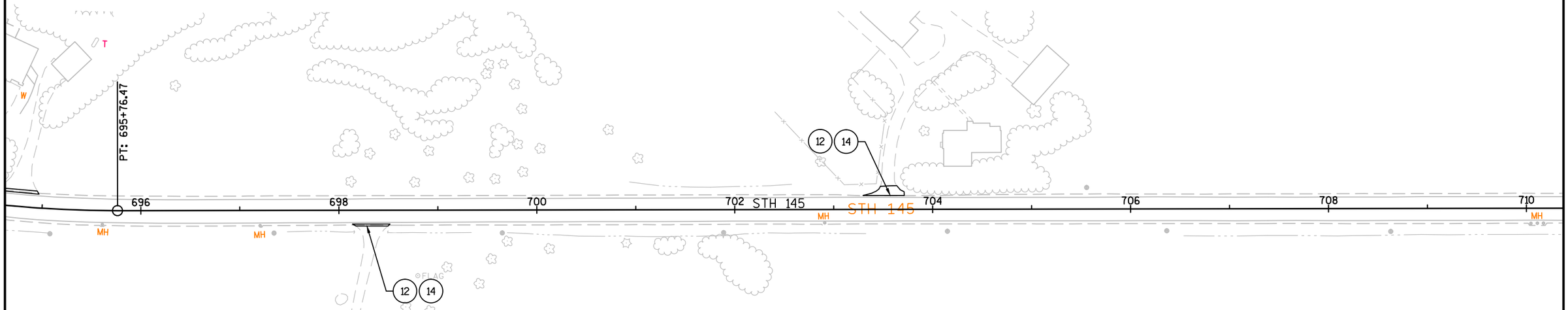
SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 51	E

2



LEGEND

1. REMOVING CURB AND GUTTER
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

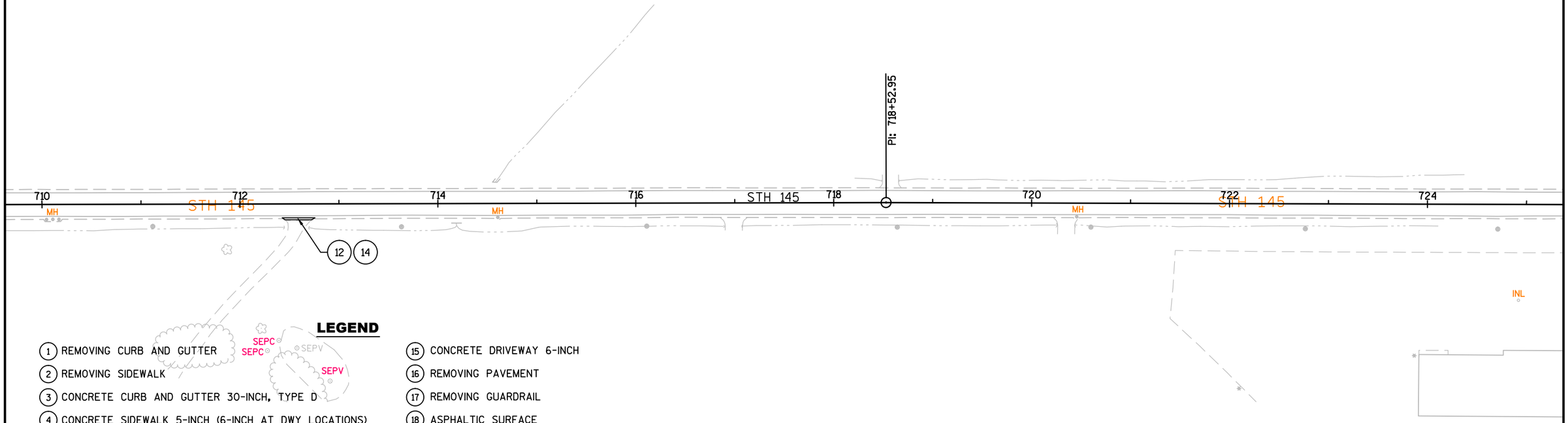
2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

2



LEGEND

1. REMOVING CURB AND GUTTER
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3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

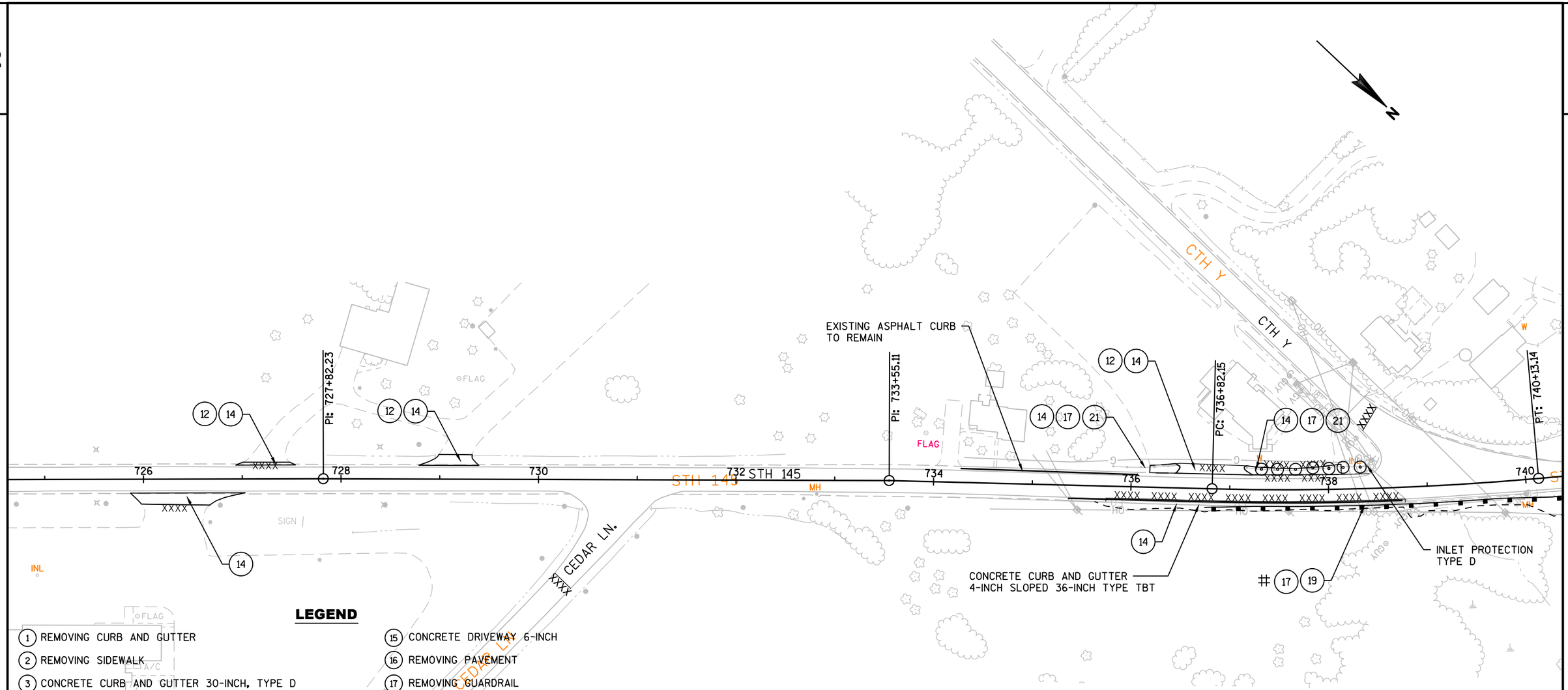
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 53	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021217_PD
PLOT DATE : 1/28/2016 11:25 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
4. CONCRETE SIDEWALK 5-INCH (6-INCH AT DWY LOCATIONS)
5. CURB RAMP TYPE 1
6. CURB RAMP TYPE 2
7. CURB RAMP TYPE 4B WITH PEDESTRIAN CURB
8. CURB RAMP TYPE 4B1
9. PEDESTRIAN CURB
10. CURB RAMP DETECTABLE WARNING FIELD YELLOW
11. ADJUSTING INLET COVERS
12. ASPHALTIC SURFACE DRIVEWAY & FIELD ENTRANCES
13. TOPSOIL AND SOD LAWN (SEE CONSTRUCTION DETAIL FOR ADDITIONAL LOCATIONS)
14. REMOVING ASPHALTIC SURFACE
15. CONCRETE DRIVEWAY 6-INCH
16. REMOVING PAVEMENT
17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)
(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

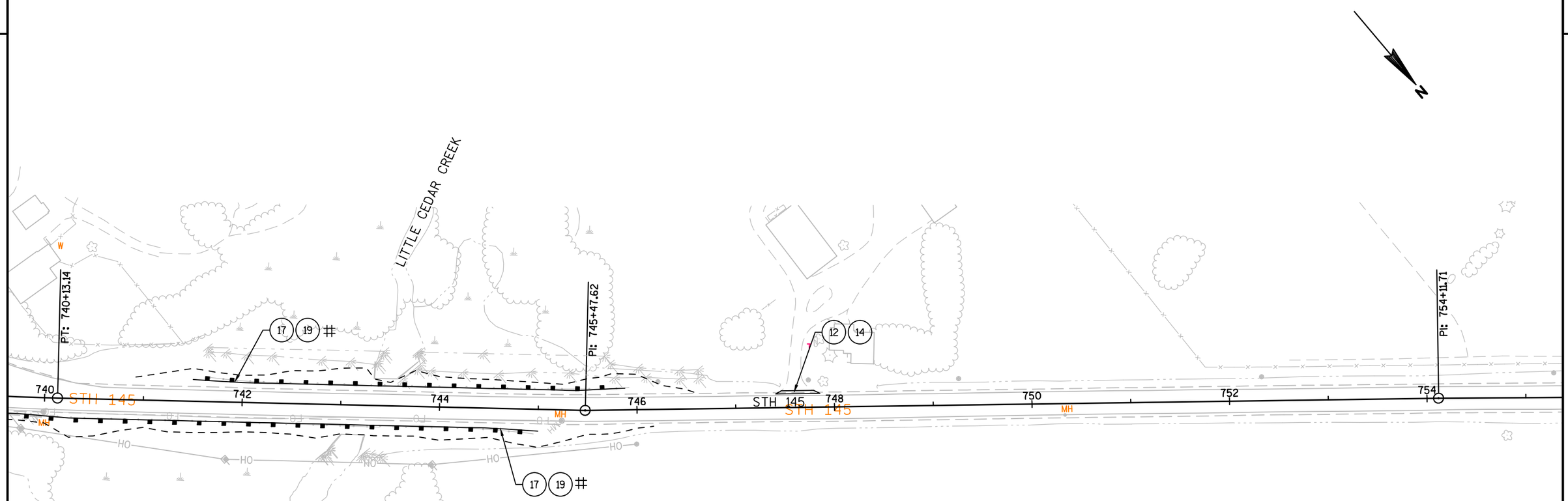
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 54	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021218_PD
PLOT DATE : 1/28/2016 11:25 AM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

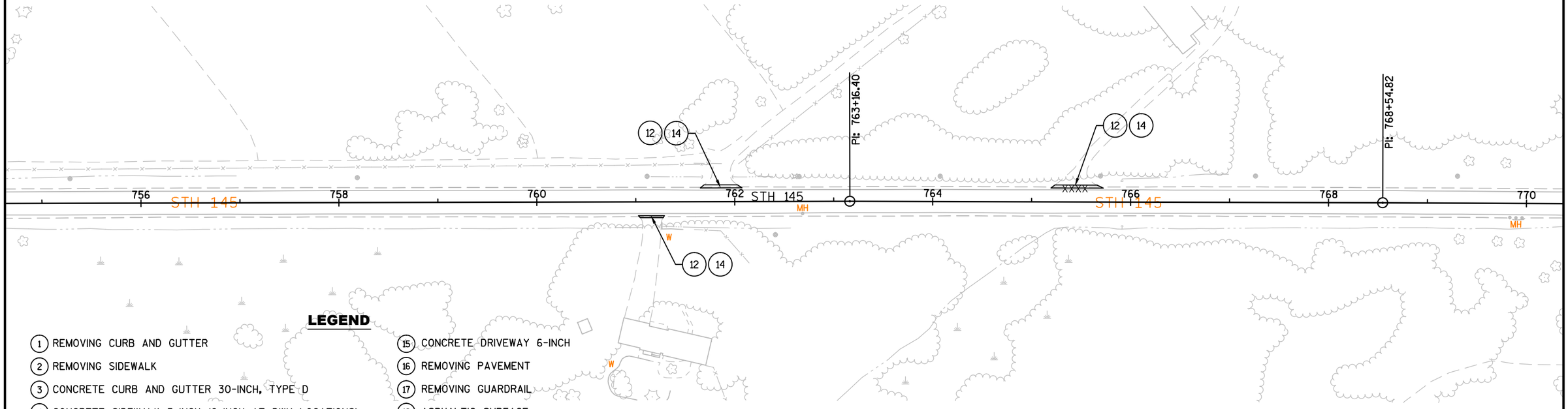
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 55	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021219_PD
PLOT DATE : 1/28/2016 11:25 AM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

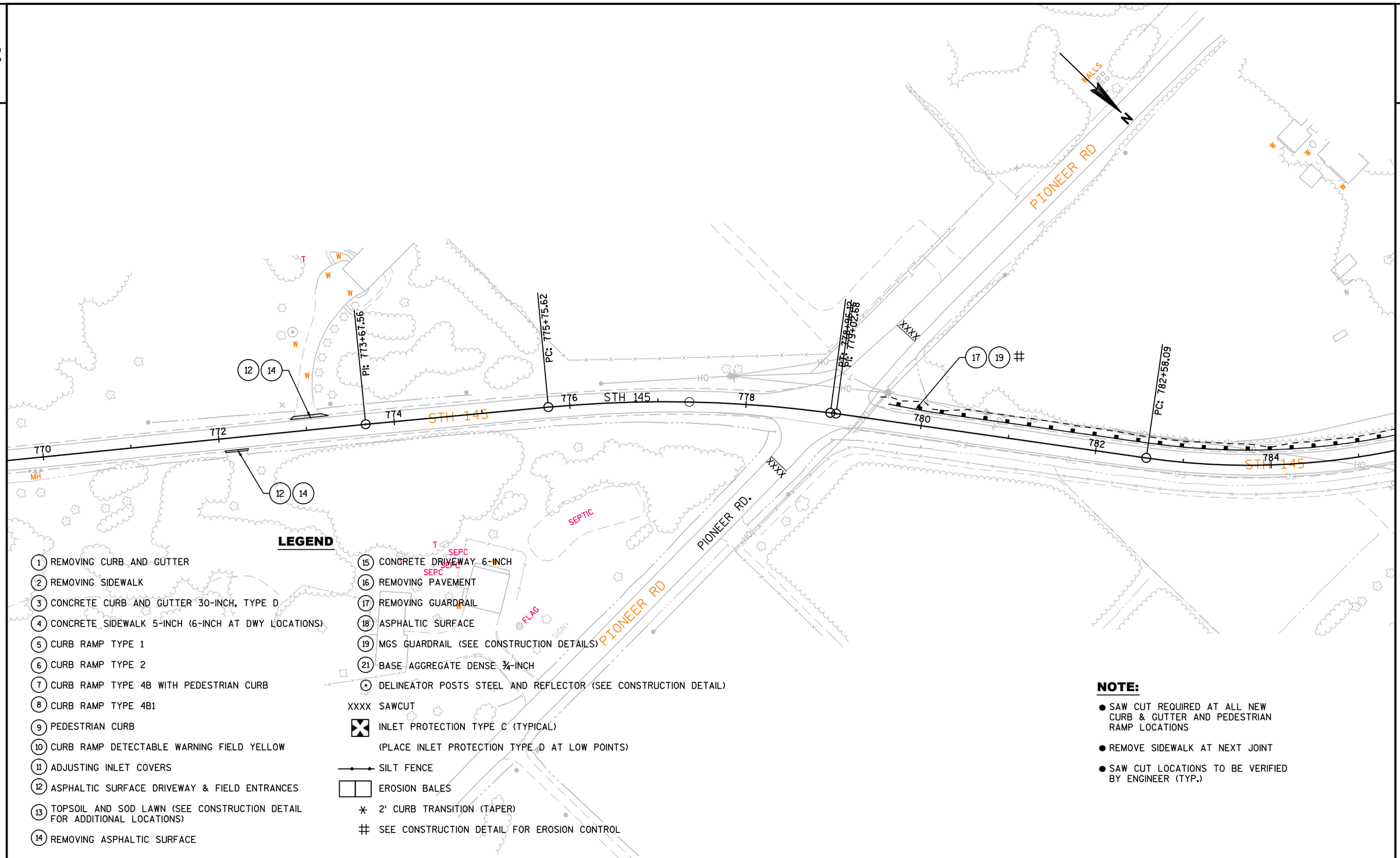
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 56	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021220_PD
PLOT DATE : 1/28/2016 11:25 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. REMOVING CURB AND GUTTER
2. REMOVING SIDEWALK
3. CONCRETE CURB AND GUTTER 30-INCH, TYPE D
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17. REMOVING GUARDRAIL
18. ASPHALTIC SURFACE
19. MGS GUARDRAIL (SEE CONSTRUCTION DETAILS)
21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

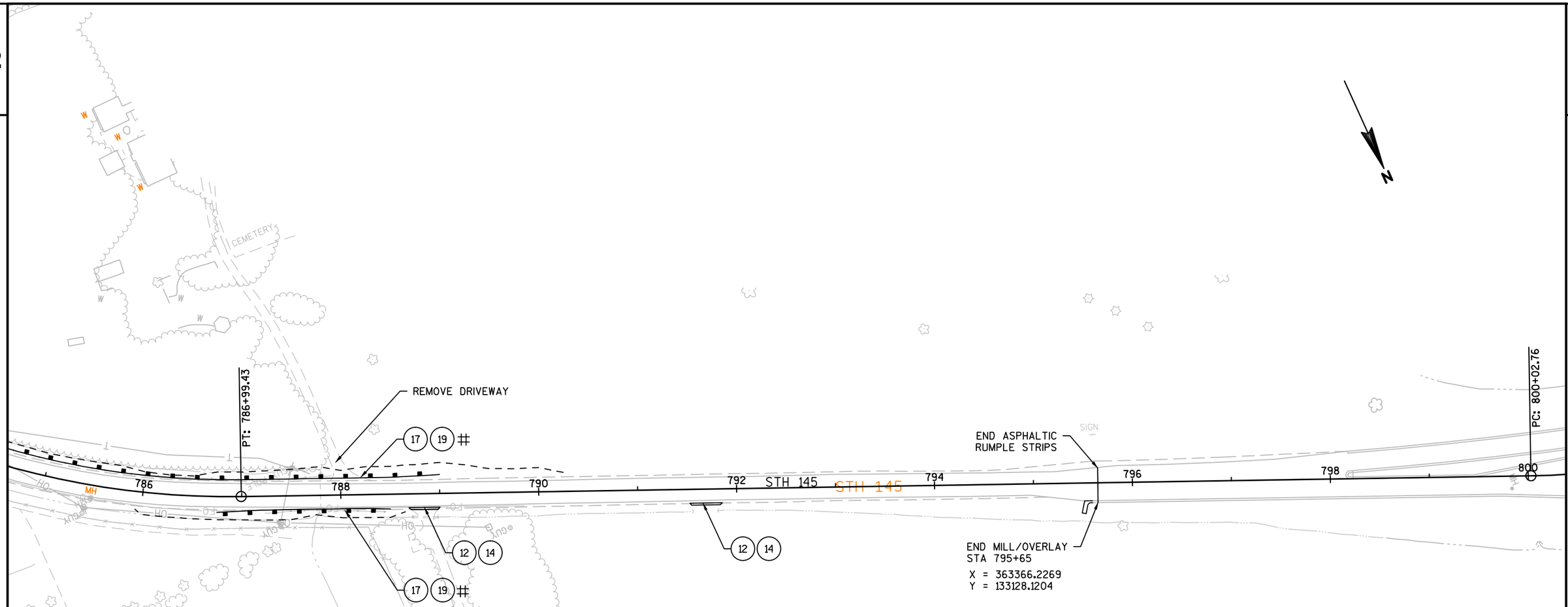
NOTE:

- SAW CUT REQUIRED AT ALL NEW CURB & GUTTER AND PEDESTRIAN RAMP LOCATIONS
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 57	E

FILE NAME : N:\PDS\C3D\CAD\24751230\021201_PD.DWG
LAYOUT NAME - 021221_PD
PLOT DATE : 1/28/2016 11:25 AM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

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21. BASE AGGREGATE DENSE ¾-INCH

⊙ DELINEATOR POSTS STEEL AND REFLECTOR (SEE CONSTRUCTION DETAIL)

XXXX SAWCUT

INLET PROTECTION TYPE C (TYPICAL)

(PLACE INLET PROTECTION TYPE D AT LOW POINTS)

SILT FENCE

EROSION BALES

2' CURB TRANSITION (TAPER)

SEE CONSTRUCTION DETAIL FOR EROSION CONTROL

NOTE:

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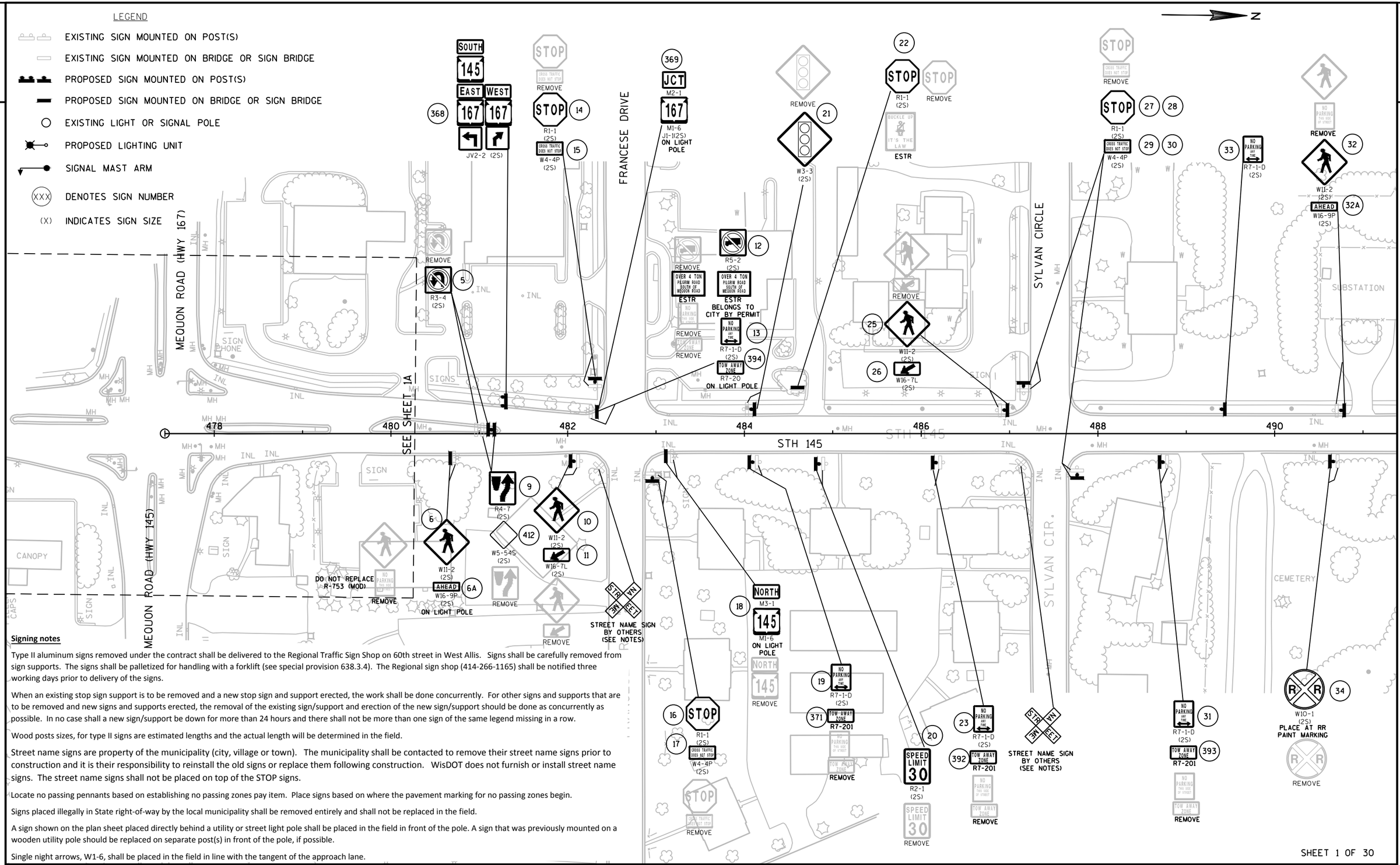
- REMOVE SIDEWALK AT NEXT JOINT
- SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PLAN DETAILS / EROSION CONTROL	SHEET 58	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the Regional Traffic Sign Shop on 60th street in West Allis. Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see special provision 638.3.4). The Regional sign shop (414-266-1165) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

Locate no passing pennants based on establishing no passing zones pay item. Place signs based on where the pavement marking for no passing zones begin.

Signs placed illegally in State right-of-way by the local municipality shall be removed entirely and shall not be replaced in the field.

A sign shown on the plan sheet placed directly behind a utility or street light pole shall be placed in the field in front of the pole. A sign that was previously mounted on a wooden utility pole should be replaced on separate post(s) in front of the pole, if possible.

Single night arrows, W1-6, shall be placed in the field in line with the tangent of the approach lane.

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 59	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023201_PS
PLOT DATE : 1/26/2016 10:07 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

MEQUON ROAD (HWY 167)

STH 145

MEQUON ROAD (HWY 145)

362 REMOVE W12-1D (2S)

42 REMOVE R1-2 (2S)

43 REMOVE
44 STOP R1-1F (3) ON SIGNAL POLE

45 REMOVE R4-7 (2S)

365 REMOVE
366 REMOVE
4 TONS OR OVER REMOVE
ONE WAY REMOVE
ALL FIVE SIGNS MOUNTED ON SIGNAL POLE

363 364 R5-2 (2S)
4 TONS OR OVER R5-2-A (2S)

367 ONE WAY R6-2-L (2S)

46 Pilgrim Rd M1-9S ON SIGNAL MAST ARM
Pilgrim Rd REMOVE

47 48 Mequon Rd M1-9S ON SIGNAL MAST ARM
Mequon Rd REMOVE

ONE WAY R6-2-L (2S) ON SIGNAL POLE
ONE WAY REMOVE

57 STOP R1-1F (3) ON SIGNAL POLE
STOP REMOVE

55 R4-7 (2S) ON SIGNAL POLE
REMOVE

56 STOP R1-1F (3)
STOP REMOVE

59 REMOVE R1-2 (2S)

SOUTH 145 EAST 167 WEST 167 REMOVE

SOUTH M3-3 145 M1-6
EAST M3-2 167 M1-6
WEST M3-4 167 M1-6
8
M6-1 M6-2 JV3-2 (2S)

REMOVE R3-2 (2S) 1 2

377 FARMER MARKET REMOVE ILLEGAL SIGN

480

3 4 R3-4 (2S) REMOVE

7 NO PARKING R7-1-L (2S)

38 STOP REMOVE R1-1F (3) ON SIGNAL POLE

37 STOP REMOVE R1-1F (3) ON SIGNAL POLE

39 R4-7 (2S) REMOVE

40 R5-2 (2S) REMOVE

41 4 TONS OR OVER R5-2-A (2S) REMOVE
ON SIGNAL POLE

35 R1-2 (2S) REMOVE

36 ONE WAY R6-2-L (2S) ON SIGNAL POLE
ONE WAY REMOVE

49 Pilgrim Rd M1-9S ON SIGNAL MAST ARM
Pilgrim Rd REMOVE

50 51 R4-7 (2S) REMOVE

413 W5-54S (2S) BELOW R4-7

52 53 STOP R1-1F (3) ON SIGNAL POLE
STOP REMOVE

375 R1-2 (2S) REMOVE

54 NORTH M3-1 145 M1-6
NORTH 145 REMOVE
M6-2 ON STREET LIGHT

SHEET 1A OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 60	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

488 490 492 STH 145 494 496 STH 145 498 500 502 504

PILGRIM ROAD

SUBSTATION

WALLS

SIGN

FIREMANS PARK
ESTR

CEMETERY

SYLVAN CIR.

WISCONSIN & SOUTHERN RAILROAD

64 REMOVE
W10-1 (2S)
PLACE AT RR PAINT MARKING

63 397 R7-1-D (2S) NO PARKING ANY TIME / TOW AWAY ZONE

380 NO PARKING THIS SIDE OF STREET / TOW AWAY ZONE REMOVE

69 SPEED LIMIT 30 R2-1 (2S)

70 END SCHOOL ZONE S5-2 (2S)

73 SOUTH 145 REMOVE
SOUTH M3-3
145 M1-6
J4-1 (2S)

NO PARKING THIS SIDE OF STREET / TOW AWAY ZONE REMOVE

75 NO PARKING ANY TIME R7-1-D (2S)

398 TOW AWAY ZONE

76 NO PARKING ANY TIME R7-1-L (2S)

415 LEFT LANE MUST TURN LEFT R3-7-L (3)
MOUNT ABOVE SIGN NO. 74

74 NO PARKING ANY TIME R7-1-D (2S)

60 NO PARKING ANY TIME R7-1-D (2S)

374 TOW AWAY ZONE

NO PARKING THIS SIDE OF STREET / TOW AWAY ZONE REMOVE

414 LEFT LANE MUST TURN LEFT R3-7-L (3)
MOUNT ABOVE SIGN NO. 61

61 62 NO PARKING ANY TIME R7-1-D (2S)

395 396 TOW AWAY ZONE

NO PARKING THIS SIDE OF STREET / TOW AWAY ZONE REMOVE

65 S1-1 (2S)

66 AHEAD S16-9P (2S)

67 FINES HIGHER R2-6P (2S)

REMOVE

378 McCARTHUR SCHOOL MOVE TO ***

68 NO PASSING ZONE W14-3 (2S)

NO PASSING ZONE REMOVE

*** 71 NO PARKING ANY TIME R7-1-D (2S)

370 ONLY R3-8-A (2S)

ONLY REMOVE

NO PARKING THIS SIDE OF STREET REMOVE

NORTH 72 M3-1
145 M1-6
M5-1L
J2-1 (2S)

SHEET 2 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 61	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023202_PS

PLOT DATE : 1/26/2016 10:07 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

INL

INL

498 STH 145

502

500

WALLS

SIGN

SIGN

W

W

W

PILGRIM ROAD

STOP
ALL WAY
REMOVE

87 89 91
88 90 92

STOP
R1-1
(3)

ALL WAY
R1-3-P
(3)

NO PARKING HERE TO CORNER
81
R7-1-R
(2S)

STOP
ALL WAY
REMOVE

93
STOP
R1-1
(3)

94
ALL WAY
R1-3-P
(3)

400
Pilgrim Road
D1-61

77
YIELD
REMOVE

YIELD
R1-2
(2S)

SCHOOL
SPEED LIMIT
15
WHEN CHILDREN ARE PRESENT
REMOVE

78
SCHOOL
SPEED LIMIT
15
WHEN CHILDREN ARE PRESENT
S4-51
(2S)

NORTH
M3-1
145
M1-6
J4-1(2S)
82

83
SPEED LIMIT
30
R2-1
(2S)

SPEED LIMIT
30
REMOVE

STOP
R1-1
(3)
399

84
END SCHOOL ZONE
S5-2
(2S)

85
STOP
R1-1
(3)

STOP
REMOVE

NO PARKING HERE TO CORNER
86
R7-51-L
(2S)

NO PARKING HERE TO CORNER
REMOVE

NORTH
M3-1
145
M1-6
M6-1
J3-1(2S)
79

NORTH
145
REMOVE

SOUTH
M3-3
145
M1-6
M6-1
J3-1(2S)
80

SOUTH
145
REMOVE

STR
NAME
SIGN
BY
OTHERS

STREET NAME SIGN BY OTHERS (SEE NOTES)

ONE WAY
R6-2-L
ESTR

SLOW SCHOOL ZONE
R5-2
4 TONS OR OVER
R5-2-A
ESTR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 3 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023203_PS

PLOT DATE : 1/26/2016 10:07 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

95 S1-1 (2S)
96 S16-9P (2S) AHEAD
97 R2-6P (2S) FINES HIGHER
98 R7-1-D (2S) NO PARKING ANY TIME
99 M1-6 M5-1R J2-1 (2S) SOUTH M3-3 145
100 R7-1-D (2S) NO PARKING ANY TIME
101 R7-1-L (2S) NO PARKING ANY TIME ON LIGHT POLE
102 W3-1 (2S) MOUNT ON NEW POST IN FRONT OF POLE
103 R1-1 (2S) STOP
104 R7-1-R (2S) NO PARKING ANY TIME
105 R7-1-D (2S) NO PARKING ANY TIME ON LIGHT POLE
107 M1-6 J4-1 (2S) NORTH M3-1 145
108 R2-1 (2S) SPEED LIMIT 25
109 R5-2 (2S) ON UTILITY POLE
110 R7-1-D (2S) NO PARKING ANY TIME
111
112 R2-1 (2S) SPEED LIMIT 30
113
114 R7-1-D (2S) NO PARKING ANY TIME
115 W2-2 (2S)
410 W11-2 (2S)
410A W16-9P (2S) AHEAD

REMOVE: S16-9P AHEAD; R7-1-L NO PARKING ANY TIME; STOP; R7-1-D NO PARKING ANY TIME; R7-1-D NO PARKING ANY TIME; M3-1 NORTH 145; R2-1 SPEED LIMIT 25; R5-2; R2-1 SPEED LIMIT 30; R7-1-D NO PARKING ANY TIME; W2-2

STREET NAME SIGN BY OTHERS (SEE NOTES)

MAIN STREET

STH 145

502 504 506 508 510 512 514 516

SHEET 4 OF 30

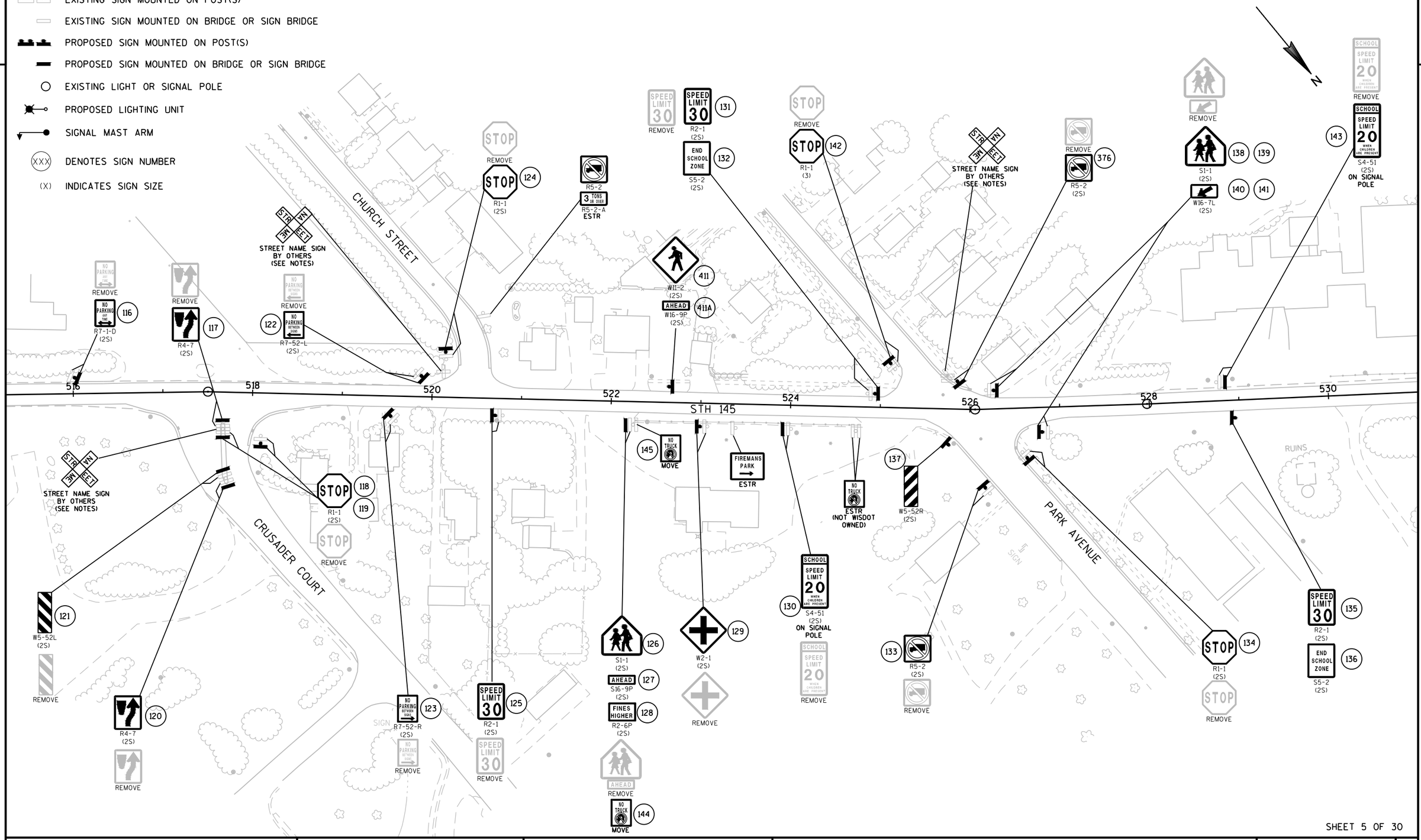
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 63	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023204_PS

PLOT DATE : 1/26/2016 10:07 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 5 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 64	E

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

SPEED LIMIT 30 REMOVE

SPEED LIMIT 30 — 153 — R2-1 (3) FIRST ONE IN REDUCED ZONE

REDUCE SPEED AHEAD 30 M.P.H. REMOVE

SPEED LIMIT 30 — 157 — W3-5 (2S)

SIGN

530 532 534 536 538 540 542 544

STH 145

RUINS

148 W2-1 (2S) REMOVE

AHEAD REMOVE

149 S1-1 (2S)

150 AHEAD S16-9P (2S)

151 FINES HIGHER R2-6P (2S)

SPEED LIMIT 45 — 152 — R2-1 (2S)

SPEED LIMIT 45 REMOVE

154 JCT M2-1

COUNTY F M1-5A (2S)

JCT COUNTY F REMOVE

Homestead Hollow County Park — 155 — DT-68L (2)

Homestead Hollow County Park REMOVE

156 W1-4R (2S)

REMOVE

158 W2-1 (2S)

159 35 M.P.H. W13-1 (2S)

35 M.P.H. REMOVE

BEGIN RIGHT TURN LANE — 147 — R3-20-R (2S)

SHEET 6 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 65	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 1/26/2016 10:07 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

FREISTADT ROAD

N

546

548

550

STH 145

CTH F

SOUTH
145
REMOVE

SOUTH
M3-3

145
M1-6
J4-1 (2S)
161

STREET NAME SIGN
BY OTHERS
(SEE NOTES)

160
W1-6
(2S)

168
W1-6
(2S)

167
COUNTY
F
M1-5A
(2S)

M6-1
J3-1 (2S)

COUNTY
F
REMOVE

STOP
R1-1
(3)

STOP
REMOVE

164 169
170 171

DO NOT
ENTER
R5-1
(3)

DO NOT
ENTER
REMOVE

165

155-56
ESTR

COUNTY
F
REMOVE

COUNTY
F
M1-5A
(2S)
162

M6-1
J3-1 (2S)

SIGN

163
145
M1-6

145
REMOVE

M6-4
J3-1 (2S)

SHEET 7 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 66	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023207_PS

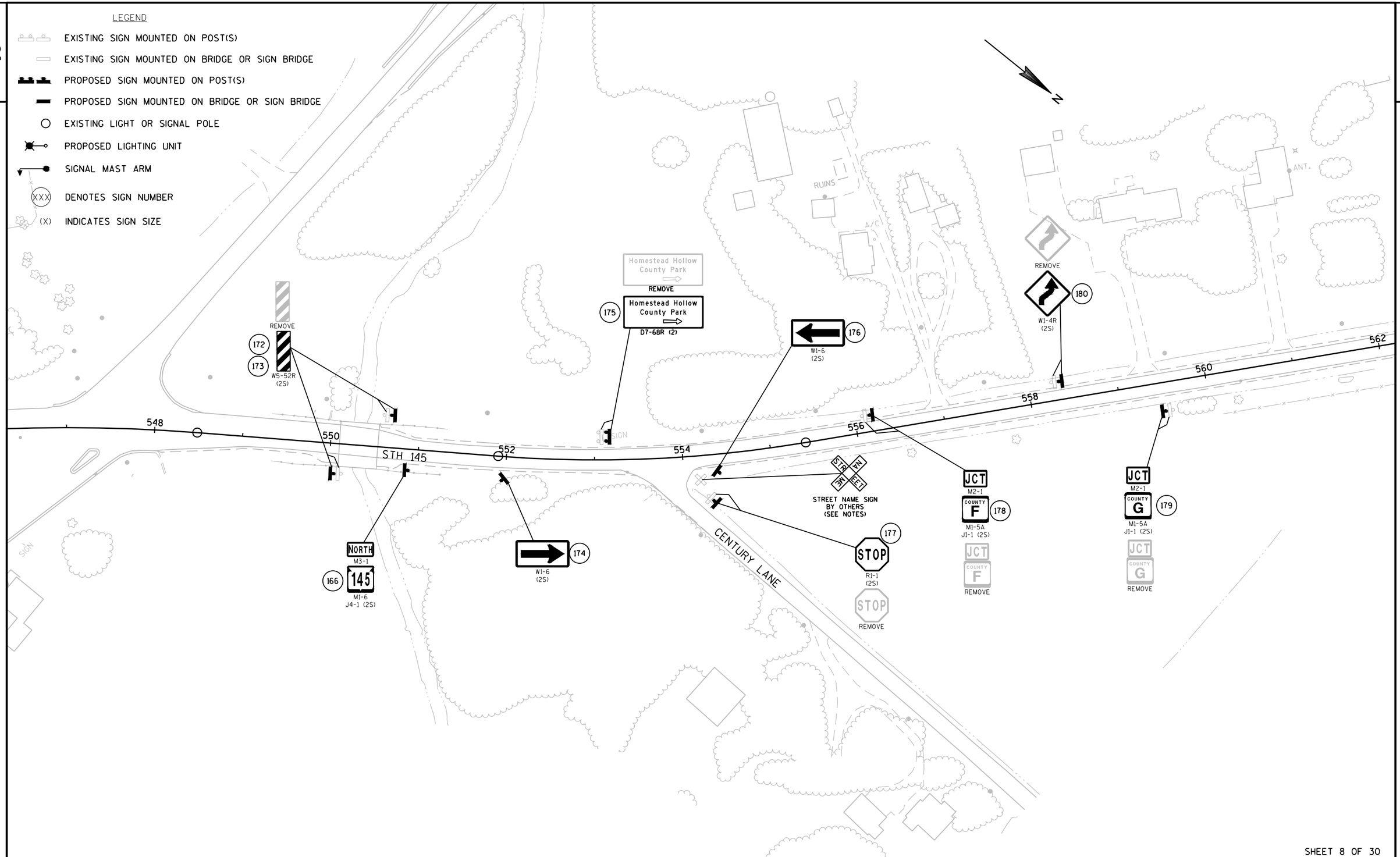
PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 8 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 67 E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023208_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

ANT.

A/C

SIGN

SIGN

SIGN

STOP

R1-1
ESTR
(NOT A WISDOT SIGN
ON DRIVEWAY)

558 560 562 564 566 568 570 572

STH 145

181 182 SPEED LIMIT 45
R2-1
(2S)

SPEED LIMIT 45
REMOVE

183 184
W2-1
(2S)

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 9 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 68	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023209_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

568

570

572

STH 145

CTH G

SIGN

STOP
REMOVE

196 197 STOP
R1-1
(3)

SOUTH
M3-3

145 186
M1-6
J4-1 (2S)

COUNTY G
REMOVE

COUNTY G 198
M1-5A
(2S)

M6-1
J3-1 (2S)

199
R4-7
(2S)

200
W5-52L
(2S)

REMOVE

187
COUNTY G
M1-5A
(2S)

M6-1
J3-1 (2S)

COUNTY G
REMOVE

STREET NAME SIGN
BY OTHERS
(SEE NOTES)

CHURCH
ESTR
CHURCH
SIGNS

188
R4-7
(2S)

189
W12-1R
(2S)

REMOVE

192
145
M1-6

145
REMOVE

M6-4
J3-1 (2S)

STOP 190 195
R1-1
(3)

STOP
REMOVE

NORTH
M3-1

145 194
M1-6
J4-1 (2S)

DO NOT ENTER
R5-1
(2S) 193

DO NOT ENTER
REMOVE

N

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 10 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 69	E

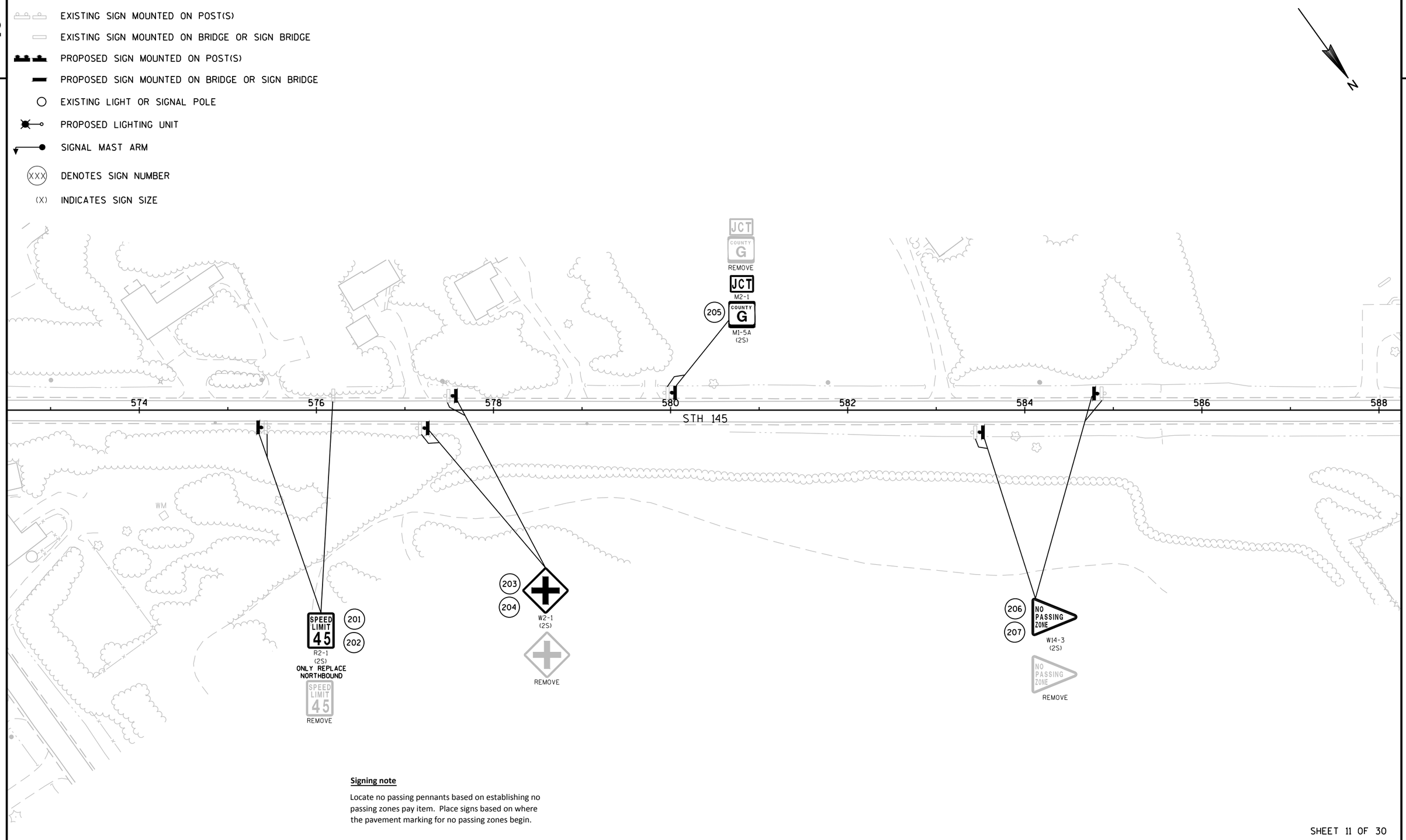
FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023210_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



Signing note

Locate no passing pennants based on establishing no passing zones pay item. Place signs based on where the pavement marking for no passing zones begin.

SHEET 11 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 70	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023211_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

STREET NAME SIGN BY OTHERS (SEE NOTES)

STOP
REMOVE

210
STOP
R1-1 (2S)

LOVERS LANE

211
W1-7 (2S)

REMOVE

588 590 592 594 596 598 600 602

STH 145

208
209
SPEED LIMIT 45
R2-1 (2S)

SPEED LIMIT 45
REMOVE

212
NO PASSING ZONE
W14-3 (2S)

NO PASSING ZONE
REMOVE

213
214
SPEED LIMIT 45
R2-1 (2S)

SPEED LIMIT 45
REMOVE

SHEET 12 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 71	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

NO PASSING ZONE
REMOVE

215
NO PASSING ZONE
W14-3
(2S)

RUINS

RUINS

2 604 606 608 610 612 614 616

STH 145

N

SPEED LIMIT 45
216
217
R2-1
(2S)

SPEED LIMIT 45
REMOVE

SHEET 13 OF 30

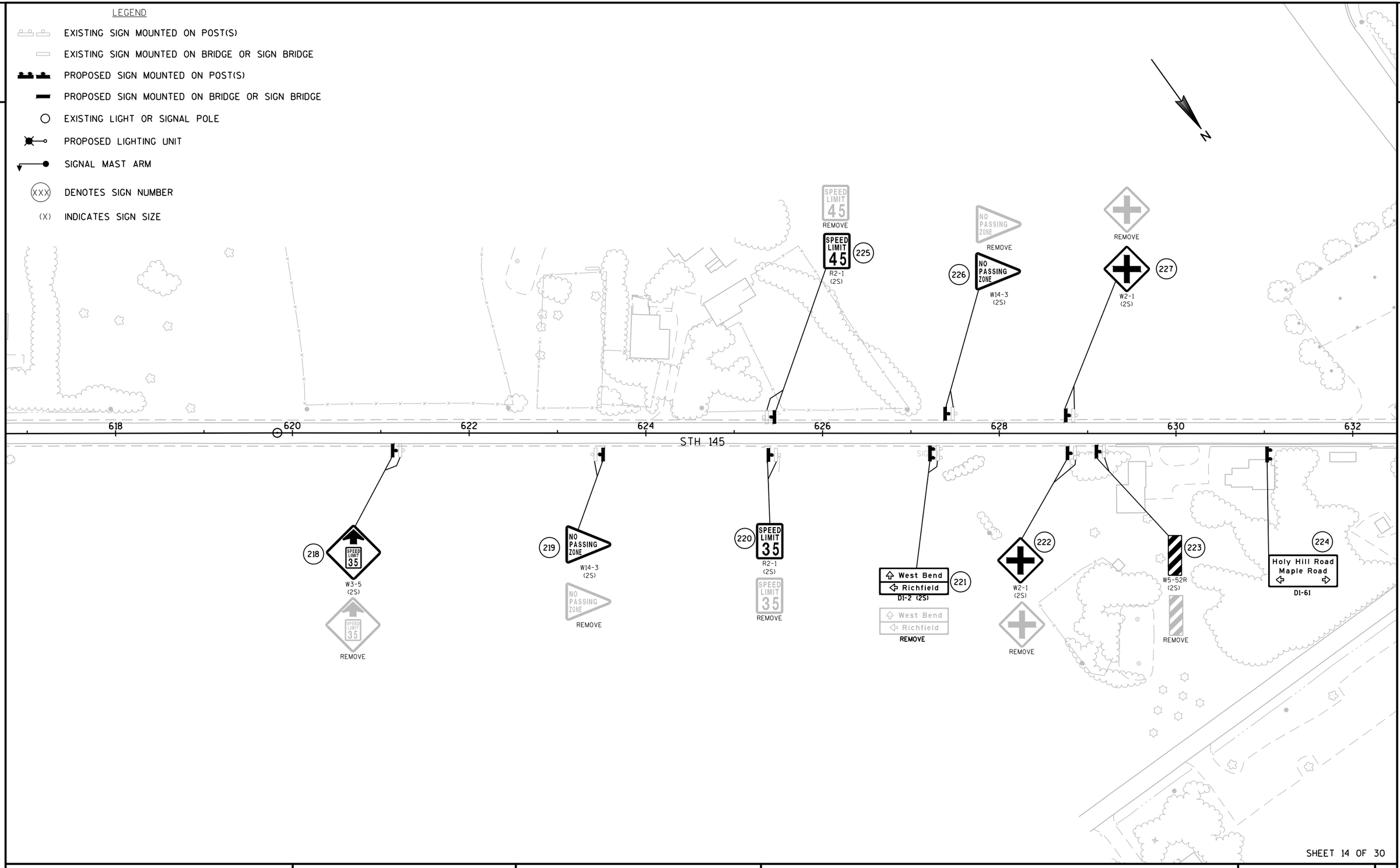
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 72	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023213_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 14 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 73	E

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

HOLY HILL ROAD

632

634

636

STH 145

404 STOP R1-1 (3)

STREET NAME SIGN BY OTHERS (SEE NOTES)

403 STOP R1-1 (3)

SOUTH M3-3

145 M1-6 J4-1 (2S)

191

228 SPEED LIMIT 35 R2-1 (2S)

SPEED LIMIT 35 REMOVE

402 STOP R1-1 (3)

401 STOP R1-1 (3)

R5-2 (2S) ESTR

MAPLE ROAD

231 232 233 234

STOP R1-1 (3)

STOP TRAFFIC ON 145 DOES NOT STOP REMOVE

TRAFFIC ON 145 DOES NOT STOP W4-4C (FRONT)

TRAFFIC ON 145 DOES NOT STOP REMOVE

388 389 390 391

235 236 237 238

241 W1-2R (2S)

REMOVE

240 W5-52R (2S) PLACE AT START OF CURB OPENING

239 SPEED LIMIT 30 R2-1 (2S)

SPEED LIMIT 30 REMOVE

REMOVE

CEMETERY

SHEET 15 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023215_PS

PLOT DATE : 1/26/2016 10:08 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

638 640 642 644 STH 145 646 648 650 652

242 Holy Hill Road / Maple Road

405 W1-6 (2S)

REMOVE 243 W2-1 (2S)

SPEED LIMIT 35 REMOVE

246 SPEED LIMIT 35 R2-1 (3)

FIRST SIGN IN REDUCED SPEED ZONE. USE SIZE 3

REMOVE 247 W3-5 (2S)

NORTH M3-1

145 229 M1-6 J41 (2S)

244 SPEED LIMIT 55 R2-1 (2S)

SPEED LIMIT 55 REMOVE

Hwy 45 3 / Hwy 41 4 245 D2-2 (2S)

Hwy 45 3 / Hwy 41 4 REMOVE

CEMETERY

SHEET 16 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 75	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023216_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

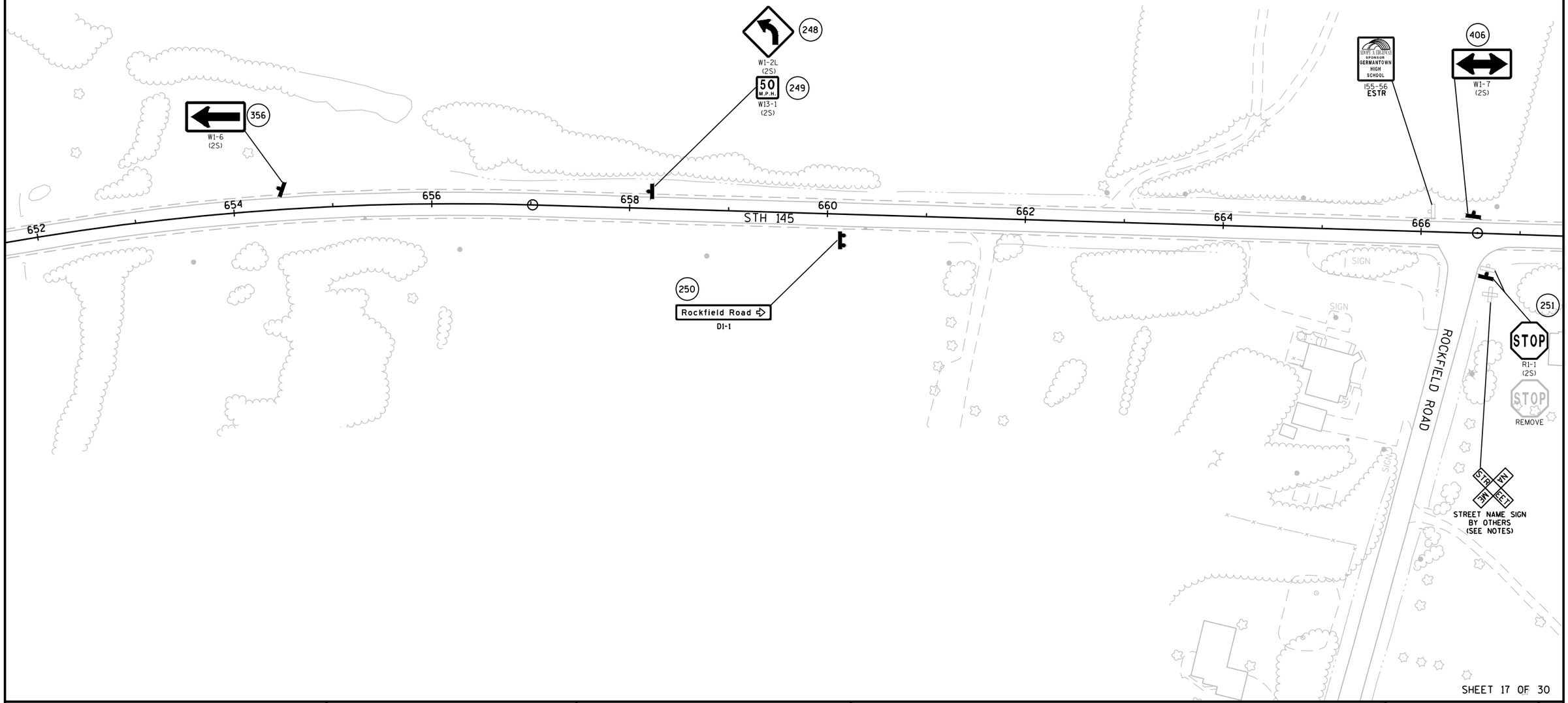
PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N



SHEET 17 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 76	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023217_PS

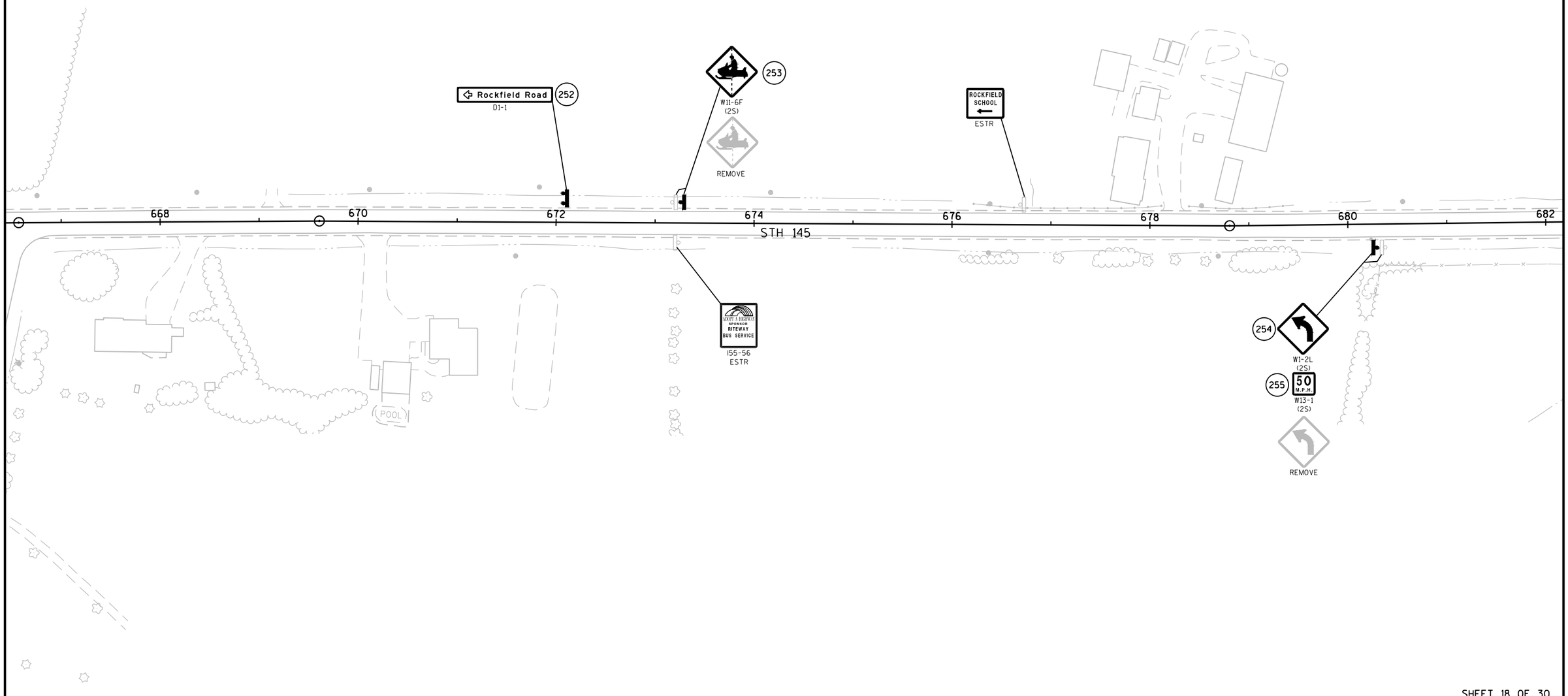
PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 18 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 77	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023218_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

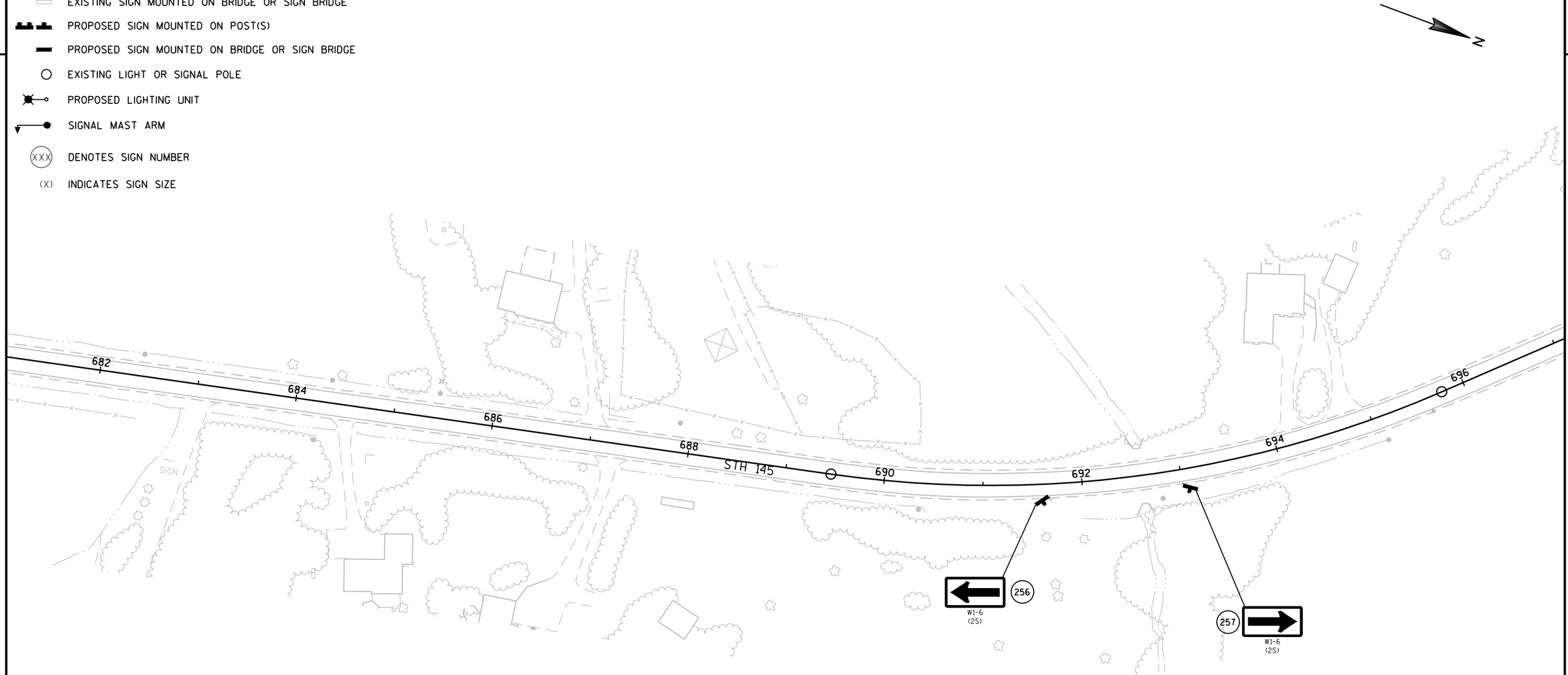
EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



SHEET 19 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 78 E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023219_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

ORDINANCE SIGNS PROPERTY OF VILLAGE OF GERMANTOWN

382 NO PARKING MORE THAN 30 MIN. ON ANY STREET IN GERMANTOWN WITHOUT POLICE PERMIT 2 A.M. TO 5 A.M.

ESTR

ESTR

REMOVE DO NOT REPLACE SIGN

Germantown POPULATION 19749

REMOVE

259 Germantown POPULATION 19749

12-3 (2S)

696 698 700 702 STH 145 704 706 708 710

FLAG

258 SPEED LIMIT 55

R2-1 (2S)

260

W1-2R (2S)

REMOVE

261 50 M.P.H.

W13-1 (2S)

SHEET 20 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 79	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023220_PS

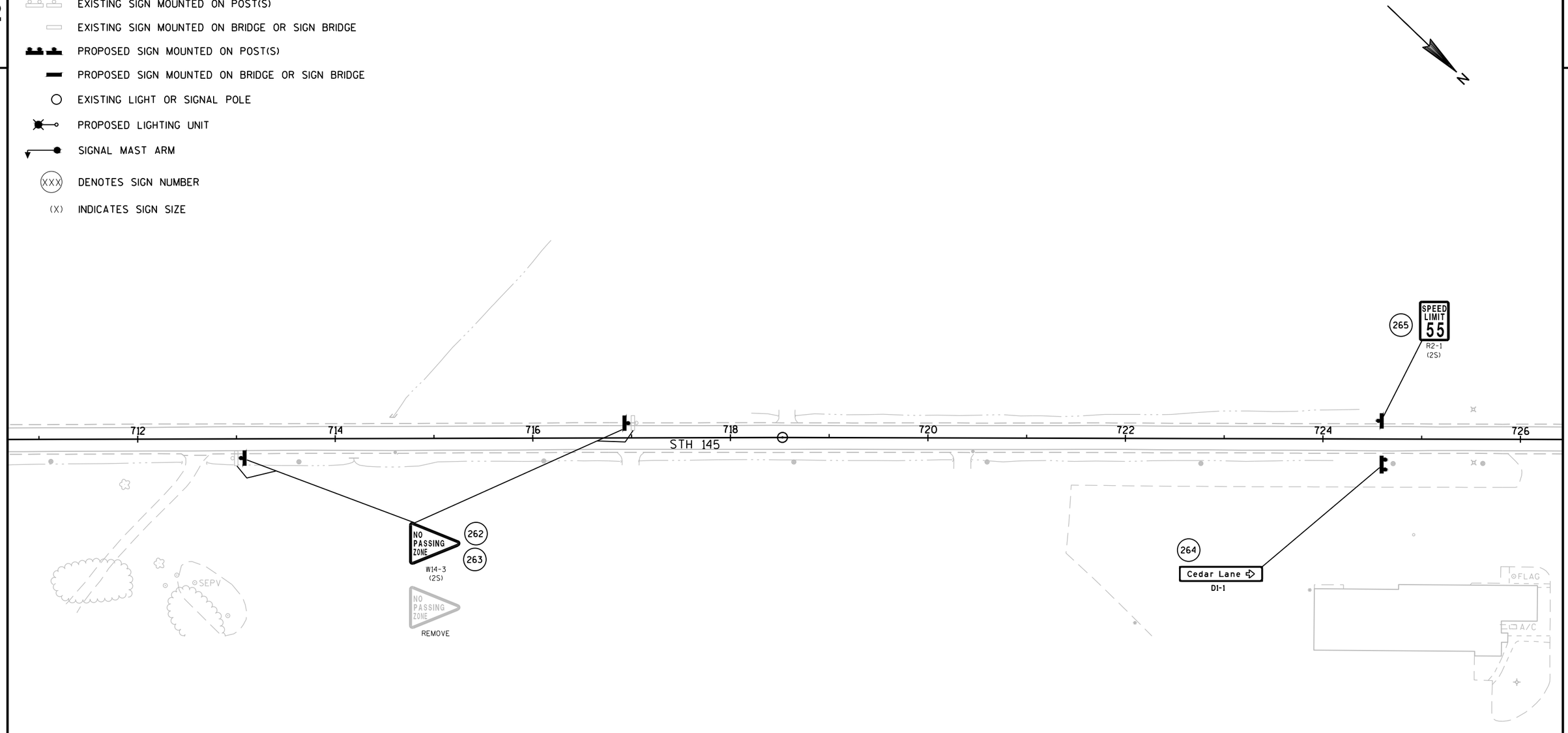
PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 21 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 80	E

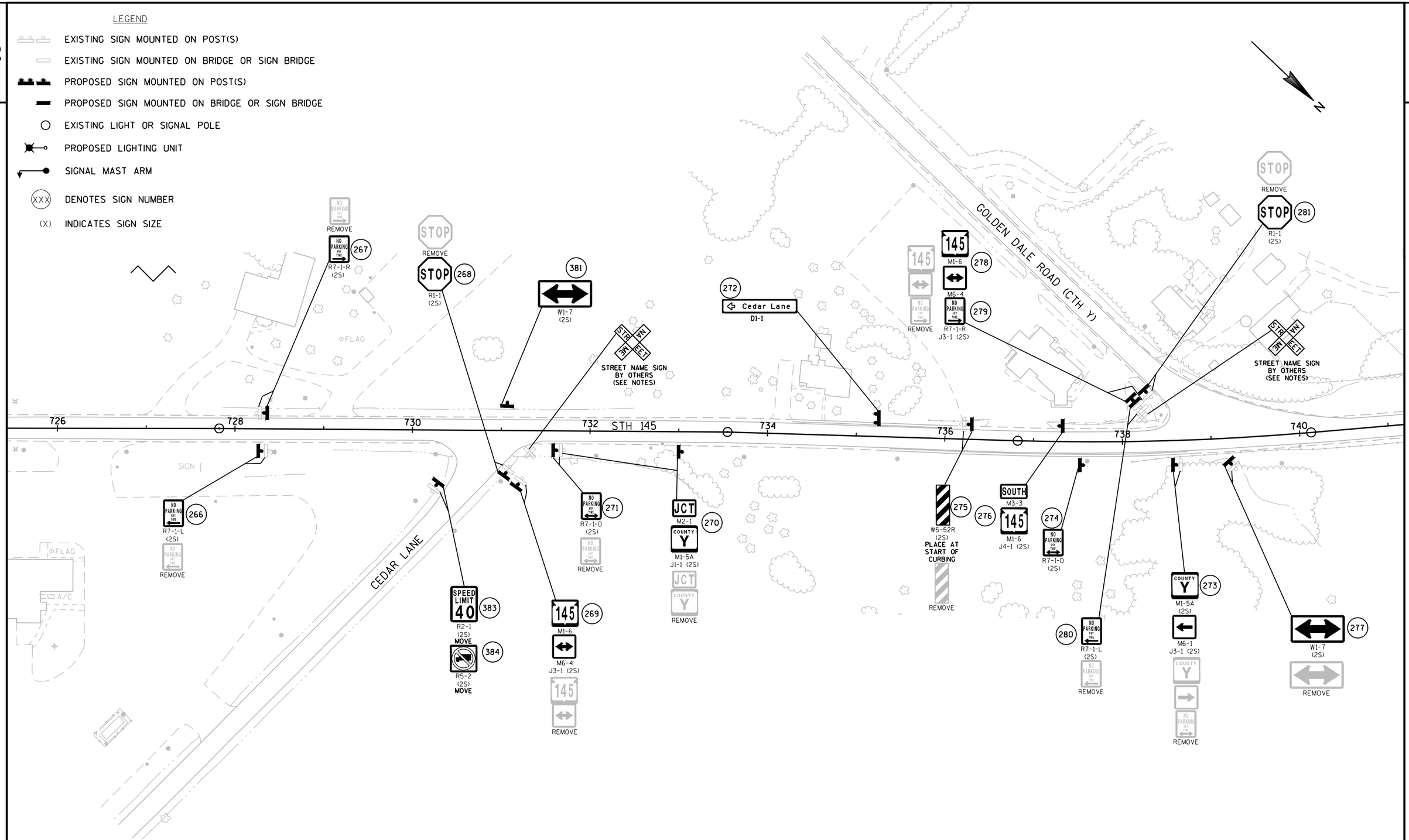
FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023221_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 22 OF 30

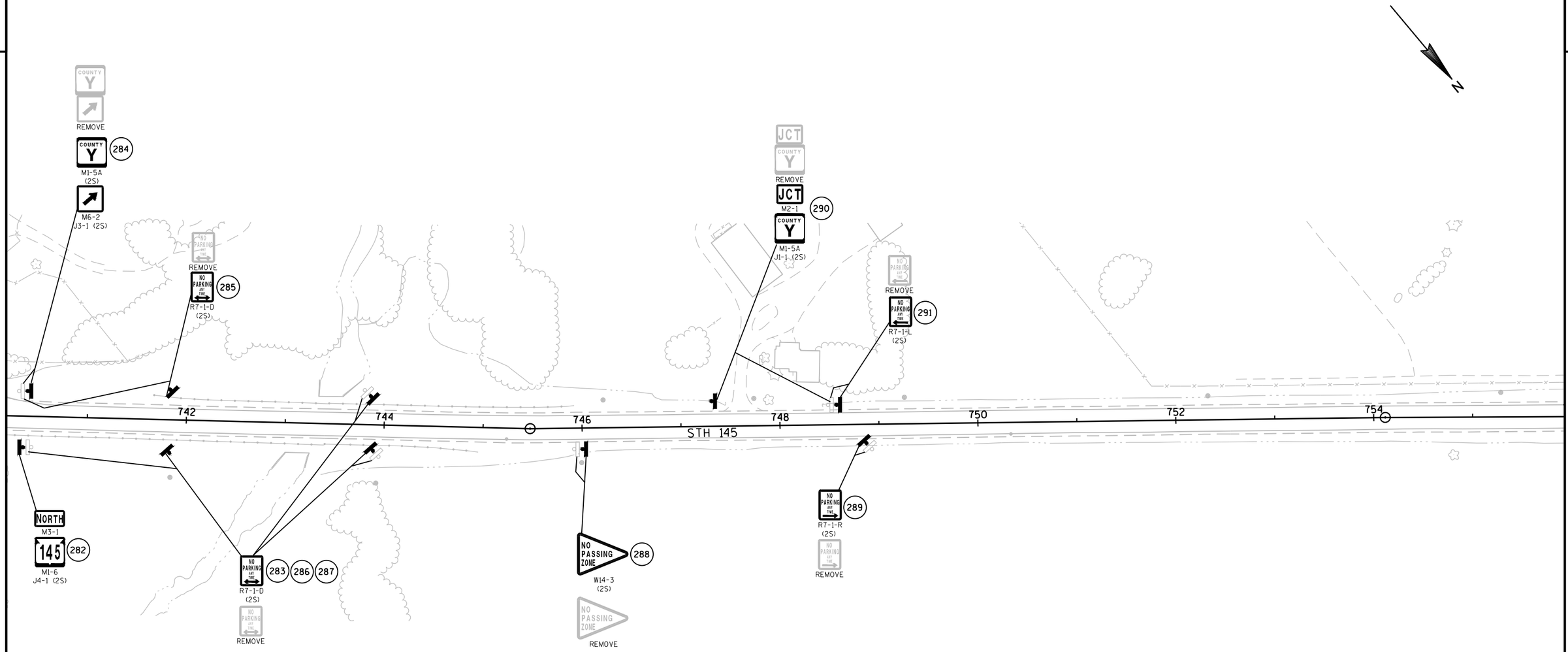
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 81 E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023222_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 23 OF 30

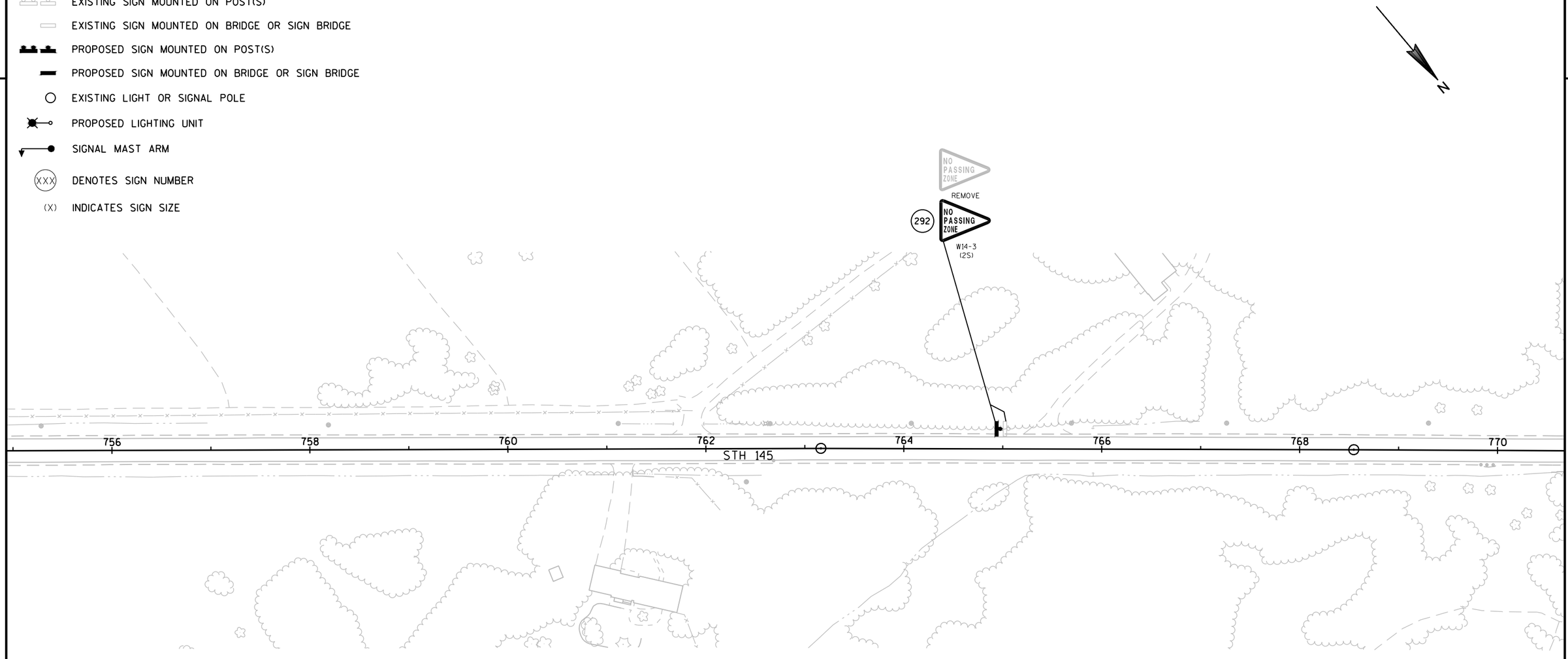
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 82 E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023223_PS
PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



SHEET 24 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 83	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023224_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

766 768 770 STH 145 772 774 776 778 780

293

W2-1
(2S)

Pioneer Road 294
D1-61

295

W1-4R
(2S)

45 M.P.H. 296
W13-1
(2S)

SIGN1

PIONEER ROAD

SHEET 25 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 84	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023225_PS

PLOT DATE : 1/26/2016 10:09 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

STOP
REMOVE

299 STOP
R1-1
(2S)

STREET NAME SIGN
BY OTHERS
(SEE NOTES)

CHURCH ENTRANCE
W54-58

30 M.P.H.
W13-1
ESTR

STOP 409
R1-1
(2S)

300
W1-6
(2S)

SPONSOR
RITEWAY
BUS SERVICE
155-56
ESTR

297
W1-6
(2S)

778 780 782

STH 145

776

408 STOP
R1-1
(2S)

298 STOP
R1-1
(2S)

STOP
REMOVE

PIONEER ROAD

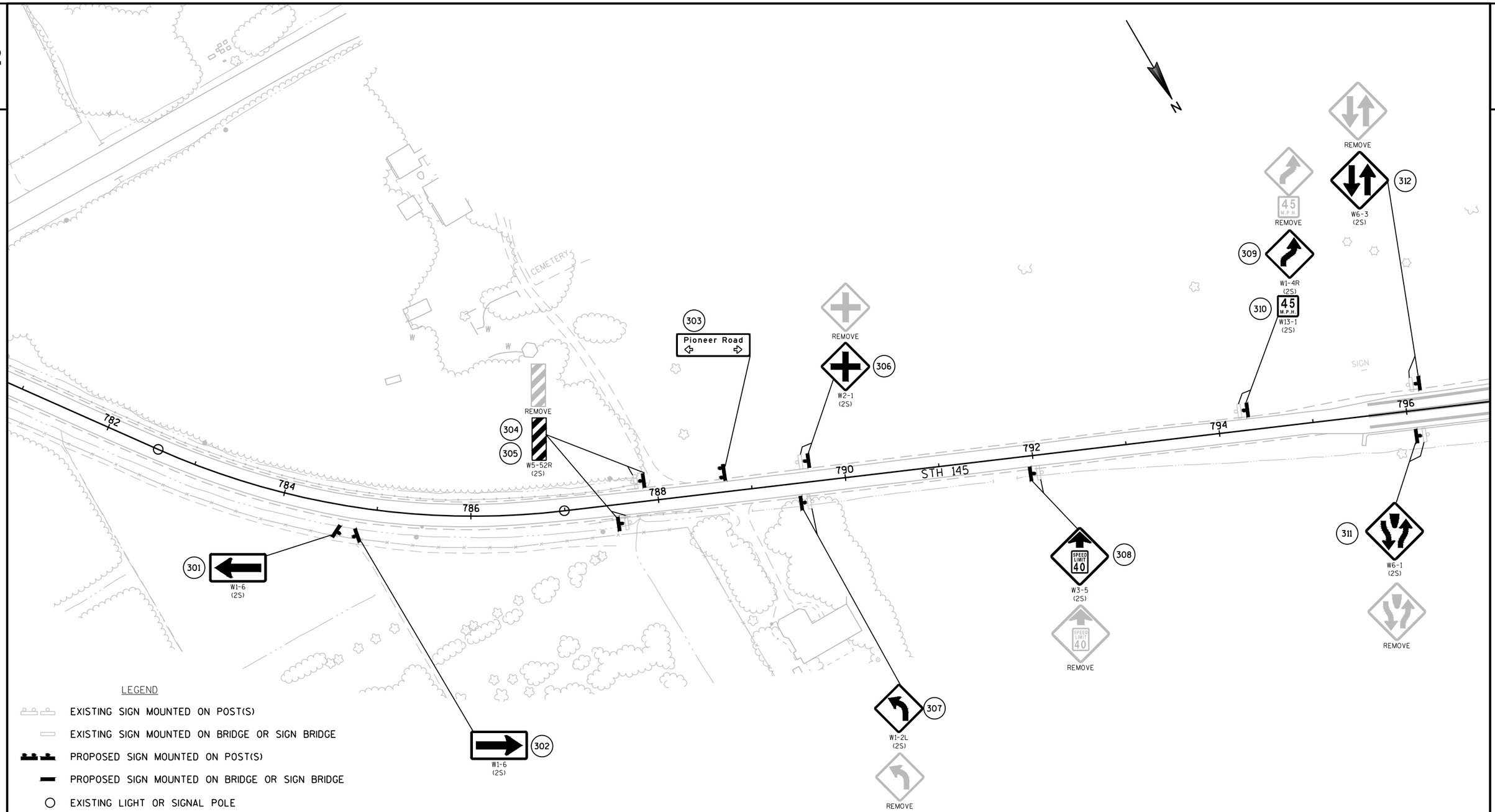
SHEET 26 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 85 E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023226_PS

PLOT DATE : 1/26/2016 10:10 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

SHEET 27 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 86	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023227_PS

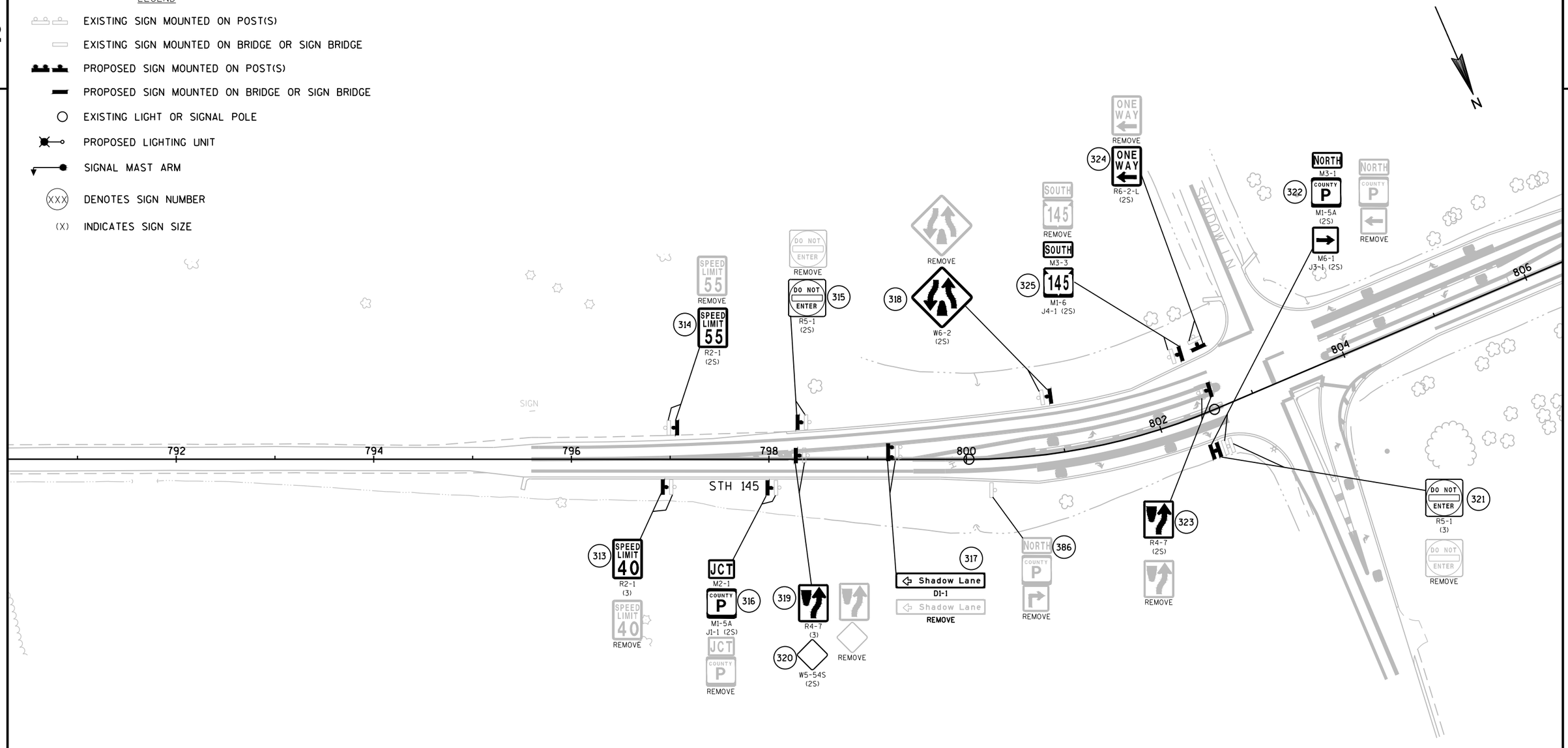
PLOT DATE : 1/26/2016 10:10 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHTING UNIT
- SIGNAL MAST ARM
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

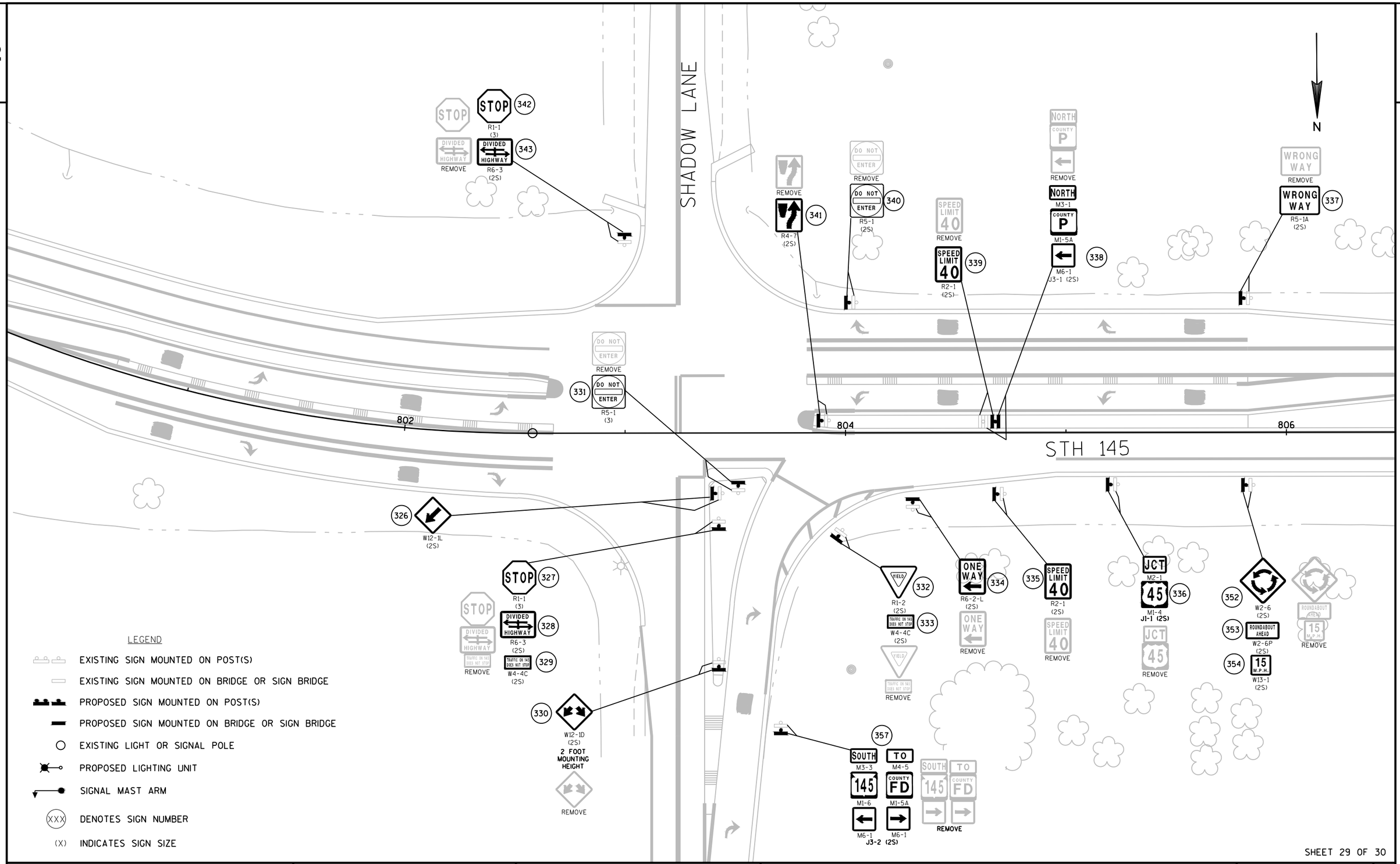


SHEET 28 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 87	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023228_PS

PLOT DATE : 1/26/2016 10:10 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT



SHEET 29 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 88	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023229_PS

PLOT DATE : 1/26/2016 10:10 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHTING UNIT

SIGNAL MAST ARM

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

N

SHADOW LN

U.S. 45 RAMP

STH 145

802 804 806 808 810 812 814

REMOVE
344
W1-2R (2S)

SOUTH 145
REMOVE
SOUTH M3-3
145 345
M1-6 J4-1 (2S)

Shadow Lane
REMOVE
Shadow Lane 346
D1-1

SPEED LIMIT 40
REMOVE
SPEED LIMIT 40 347 351
R2-1 (2S)

JCT COUNTY P
REMOVE
348
JCT M2-1
COUNTY P M1-5A J1-1 (2S)

NORTH COUNTY P
387
REMOVE

To 45 SOUTH
FD Pioneer Rd
45 NORTH
West Bend
E6-52 ESTR

349
350
W3-2 (2S)
REMOVE

PARK & RIDE AHEAD
D4-2-A ESTR

SHEET 30 OF 30

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PERMANENT SIGNING	SHEET 89	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\023201_PS.DWG
LAYOUT NAME - 023230_PS

PLOT DATE : 1/26/2016 10:10 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

BEGIN PAVEMENT MARKING
STA. 481+94

BP: 477+44.25

FRANCESE DR.

SYLVAN CIR.

SUBSTATION

STH 145

478 480 482 484 486 488 490 492

10' 10' 10'

SIGN PHONE

SIGNS

SIGN

CEMETERY

WISCONSIN & SOUTHERN RAILROAD

NOTE:
PLACE AT LOCATION
OF SIGN W10-1

LEGEND

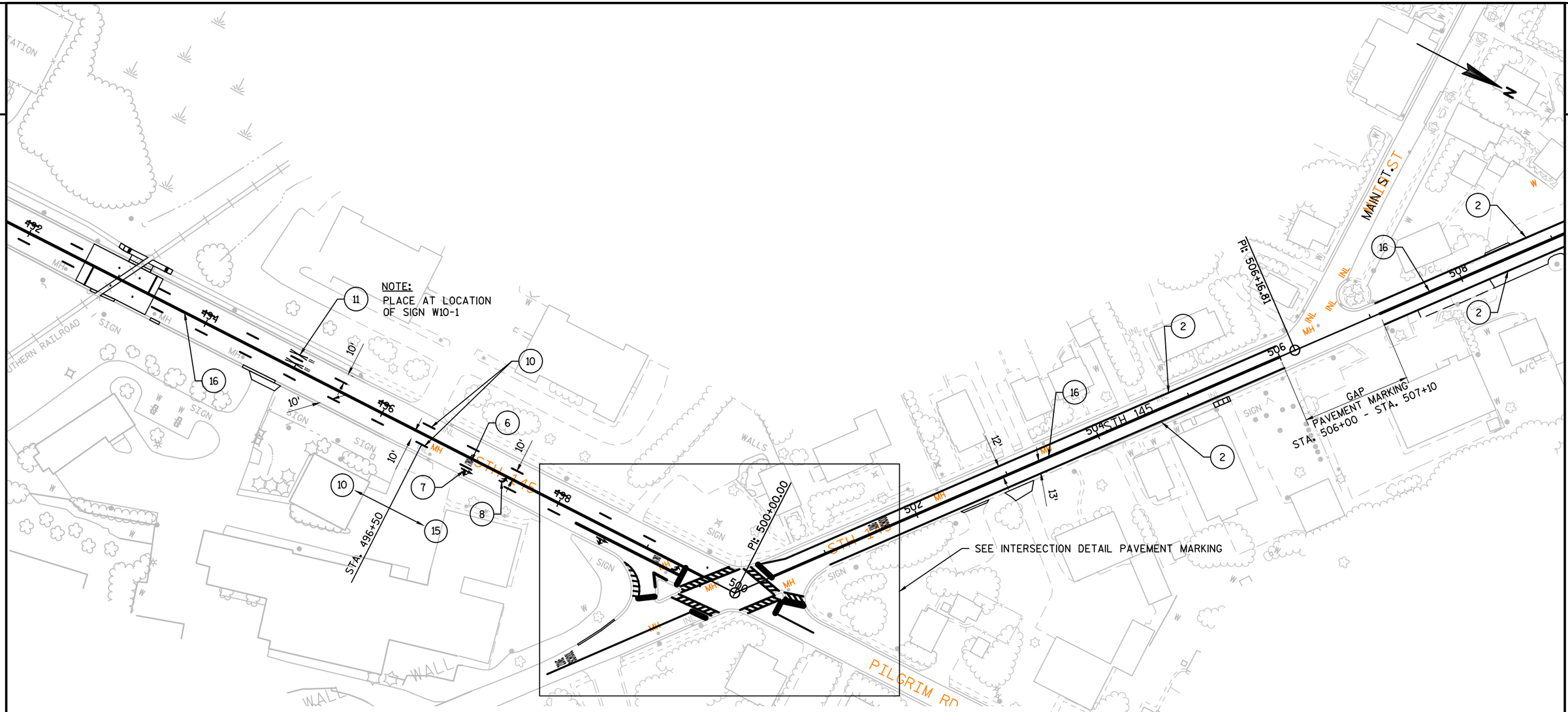
1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
4. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
5. PAVEMENT MARKING CROSSWALK WITH DIAGONAL (SEE CONSTRUCTION DETAIL)
6. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS
7. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 3
8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
9. PAVEMENT MARKING GROOVED PREFORMED PLASTIC TAPE CHANNELIZING 8-INCH
10. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 12.5' LINE, 37.5' GAP (WHITE)
11. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 90	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024501_PM
PLOT DATE : 1/25/2016 4:23 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
4. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
5. PAVEMENT MARKING CROSSWALK WITH DIAGONAL (SEE CONSTRUCTION DETAIL)
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8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
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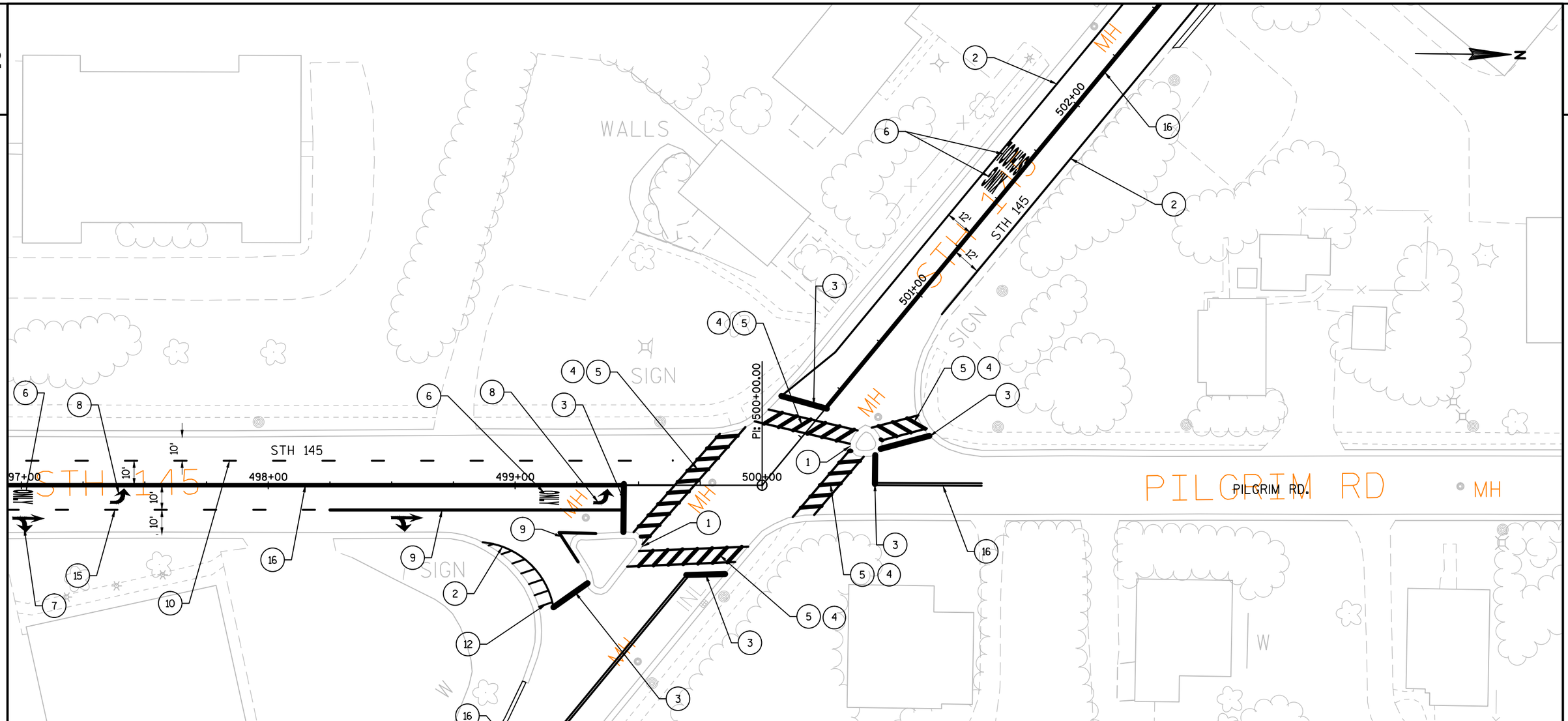
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 91	E



NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
4. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
5. PAVEMENT MARKING CROSSWALK WITH DIAGONAL (SEE CONSTRUCTION DETAIL)
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8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
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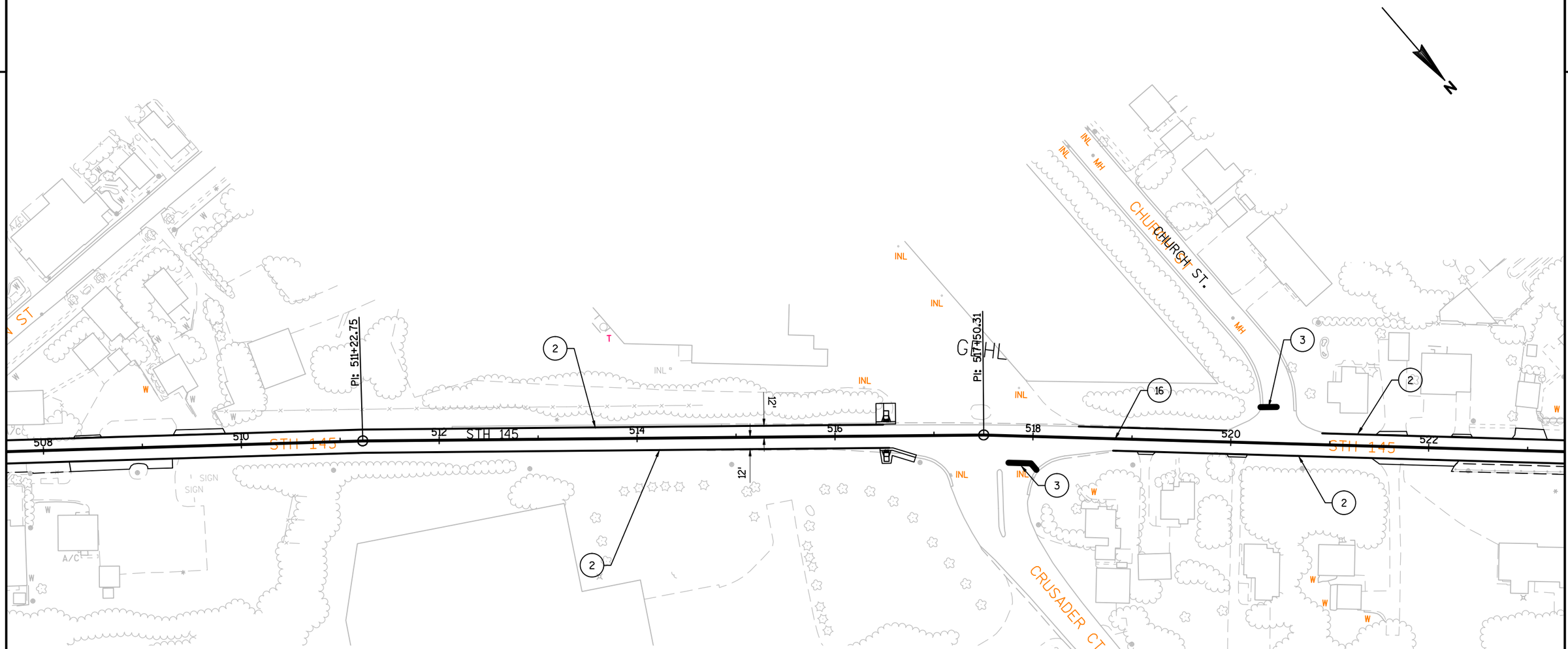
11. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	INTERSECTION PAVEMENT MARKING DETAIL	SHEET 92	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
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8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
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11. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

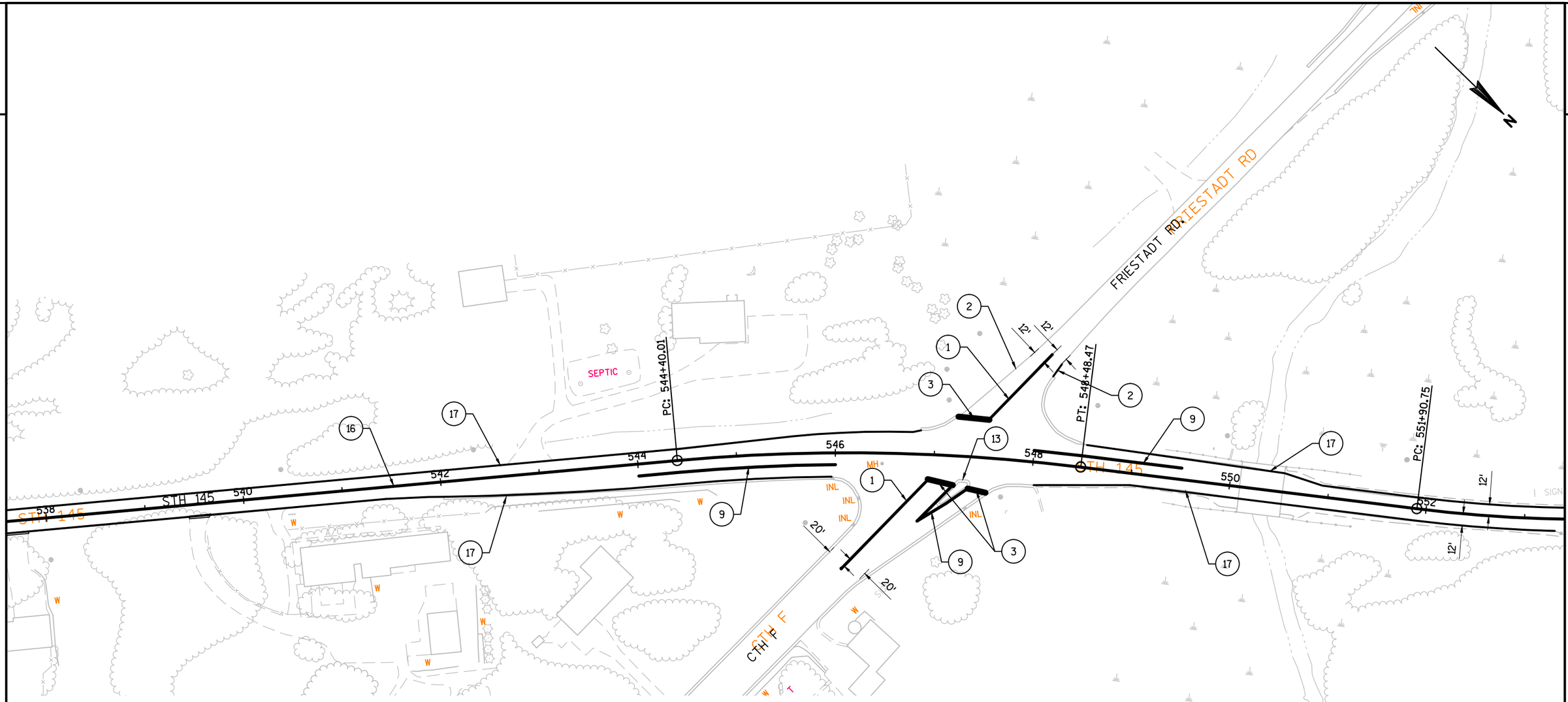
*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 93	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024503_PM
PLOT DATE : 1/25/2016 4:23 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

PARK AVE.
PARK AVE
STH 145
STH 145
STH 145
PI: 526+05.88
PI: 527+97.67
PI: 535+48.21
524
526
528
530
532
534
536
538
12'
12'
MH
MH
INL
INL
SIGN
SIGN
SIGN
RUINS
RUINS
W
W
W



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
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12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
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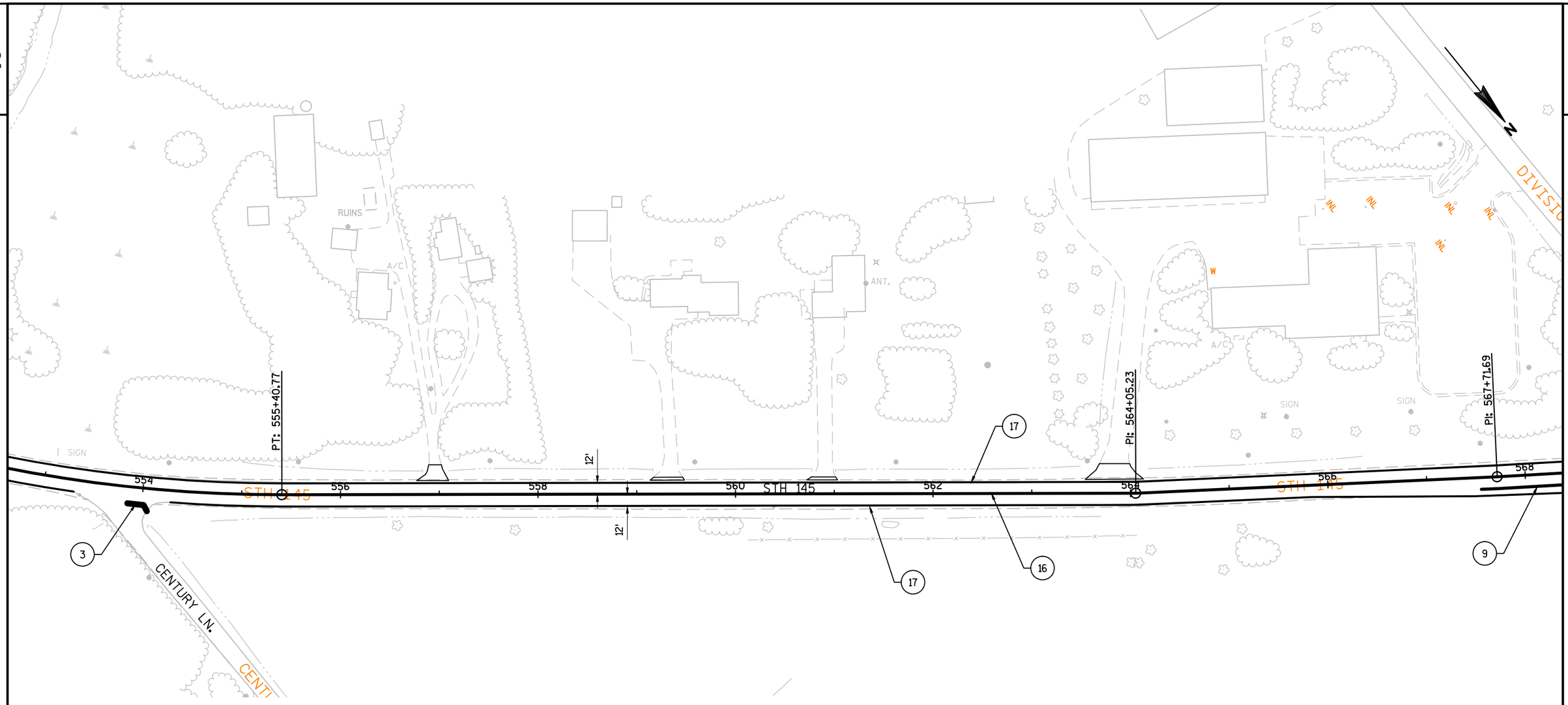
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 95	E



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
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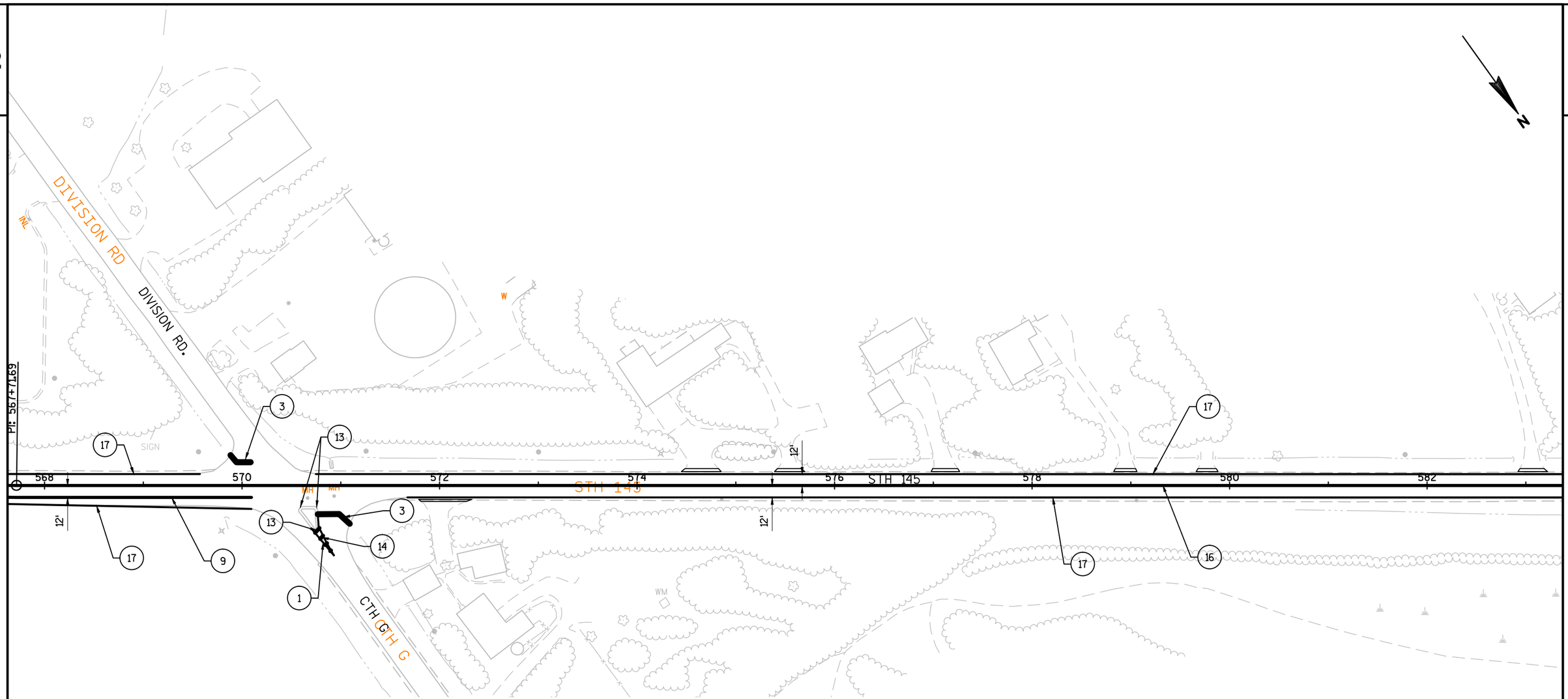
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 96	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
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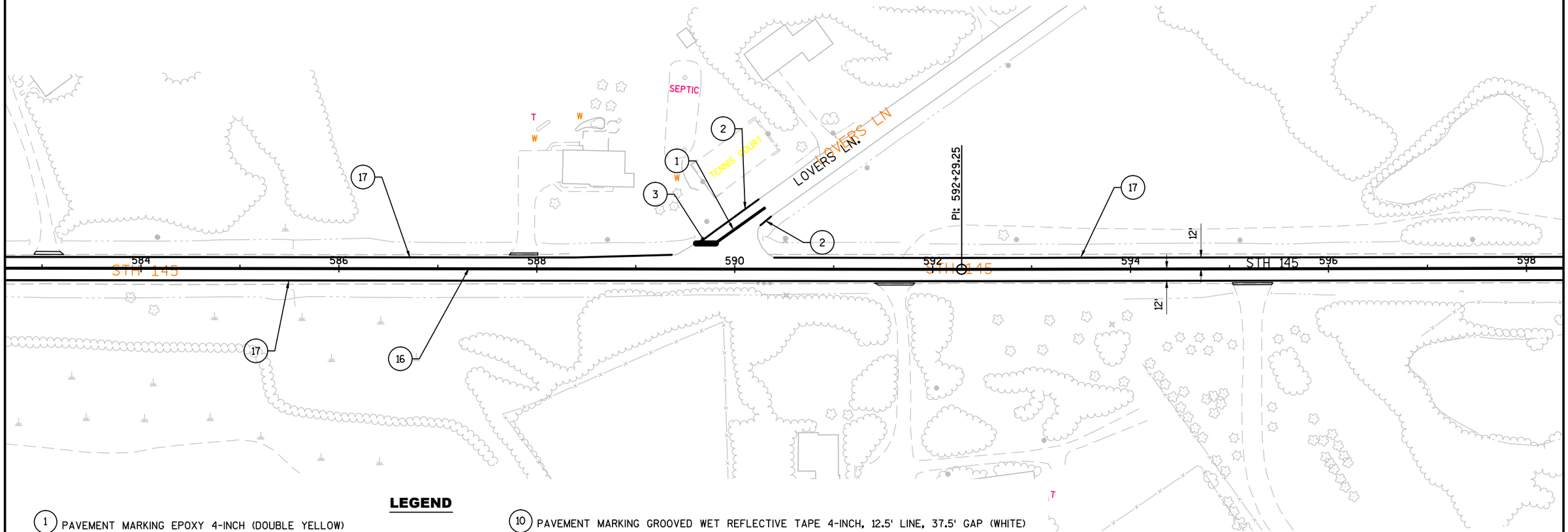
9. PAVEMENT MARKING GROOVED PREFORMED PLASTIC TAPE CHANNELIZING 8-INCH
10. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 12.5' LINE, 37.5' GAP (WHITE)
11. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 97	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
4. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
5. PAVEMENT MARKING CROSSWALK WITH DIAGONAL (SEE CONSTRUCTION DETAIL)
6. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS
7. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 3
8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
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16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 98	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024508_PM
PLOT DATE : 1/25/2016 4:24 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

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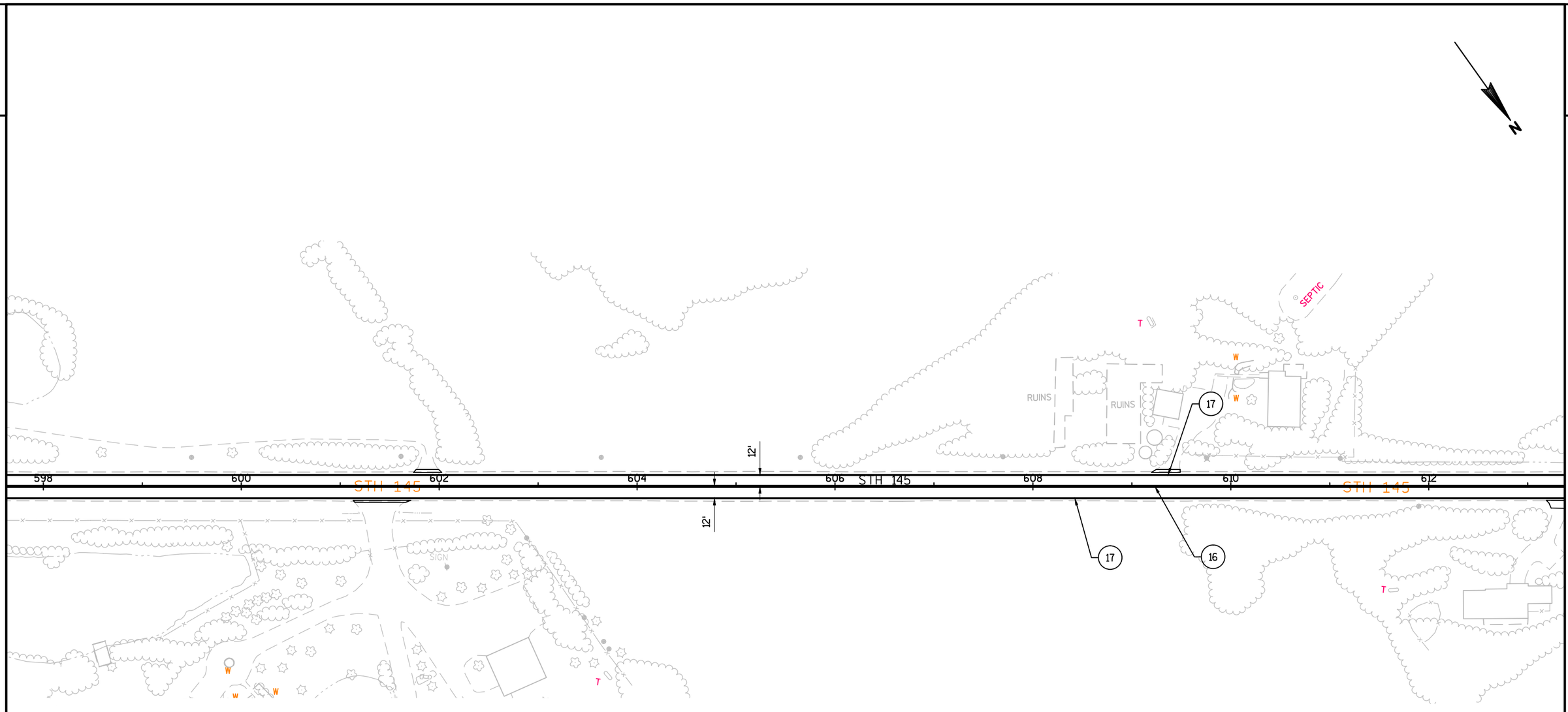

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 99	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024509_PM
PLOT DATE : 1/25/2016 4:24 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

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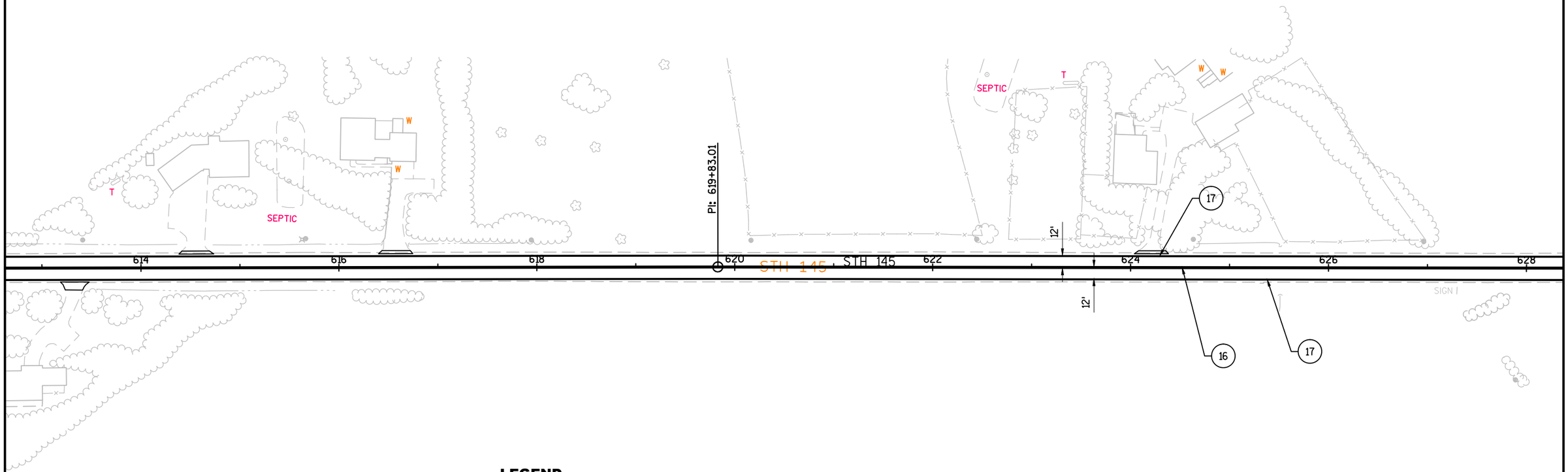

LEGEND

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NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 100	E

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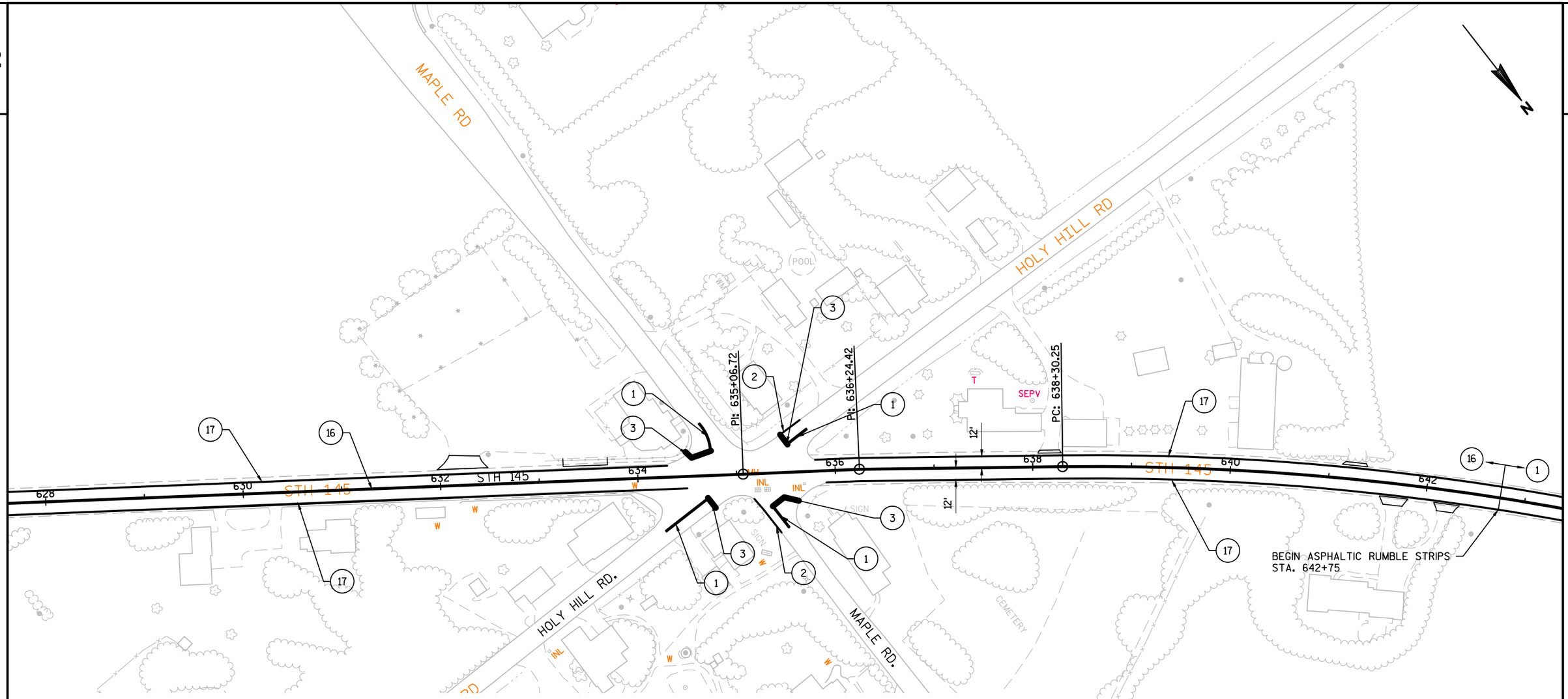

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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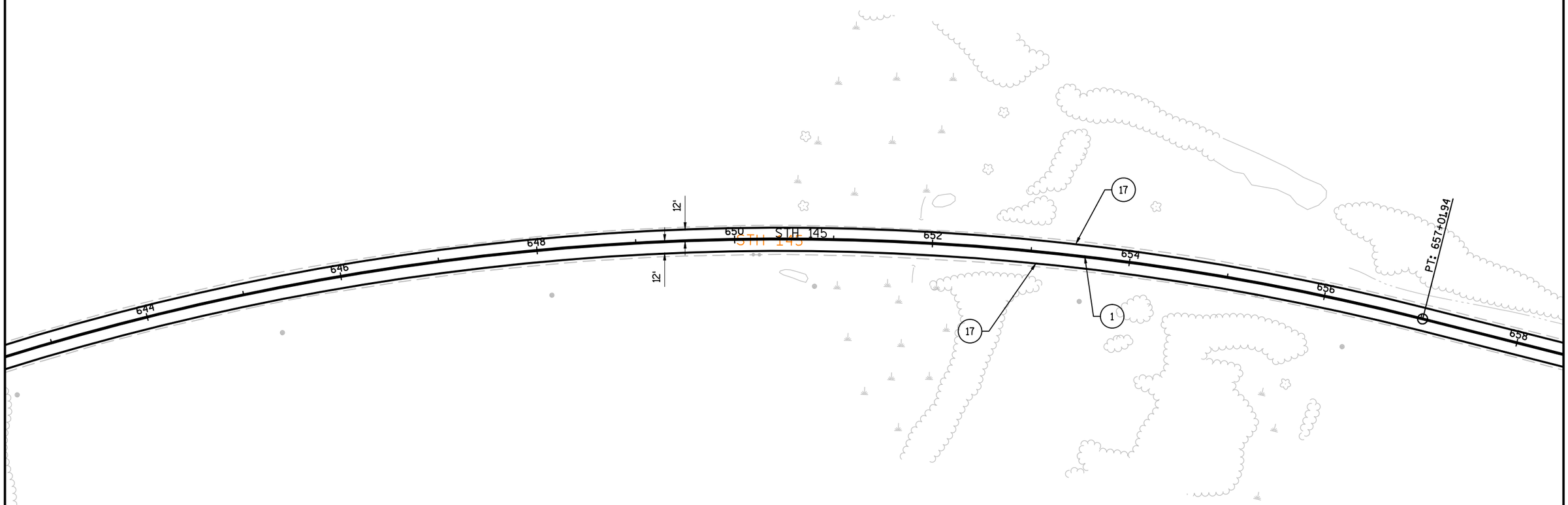
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 101	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

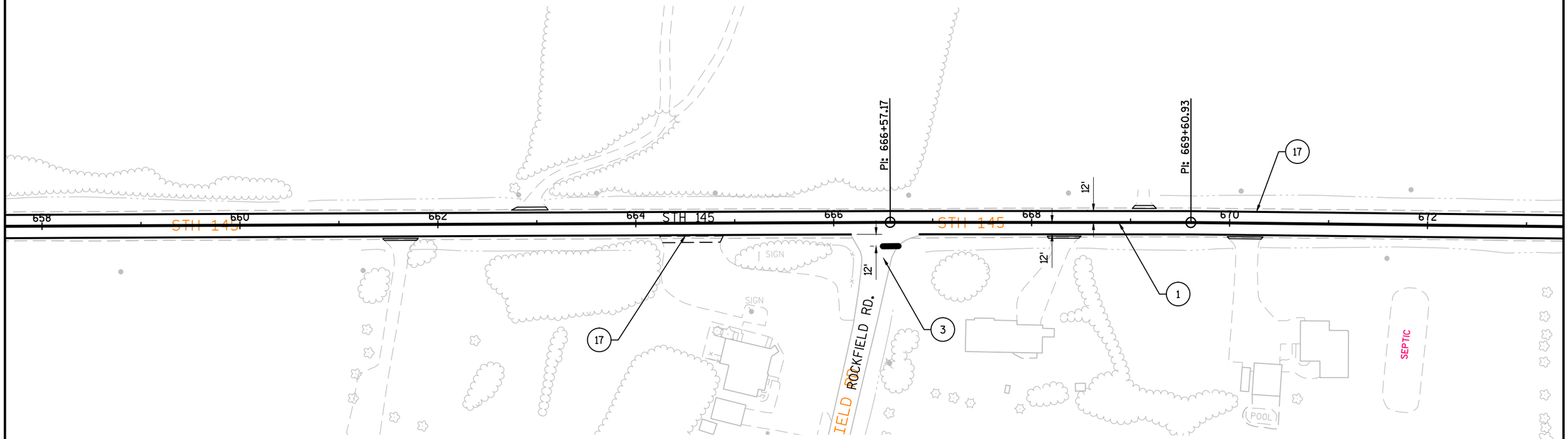
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 102	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024512_PM
PLOT DATE : 1/25/2016 4:24 PM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 103	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024513_PM
PLOT DATE : 1/25/2016 4:24 PM PLOT BY : HAYNES, RONNIE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

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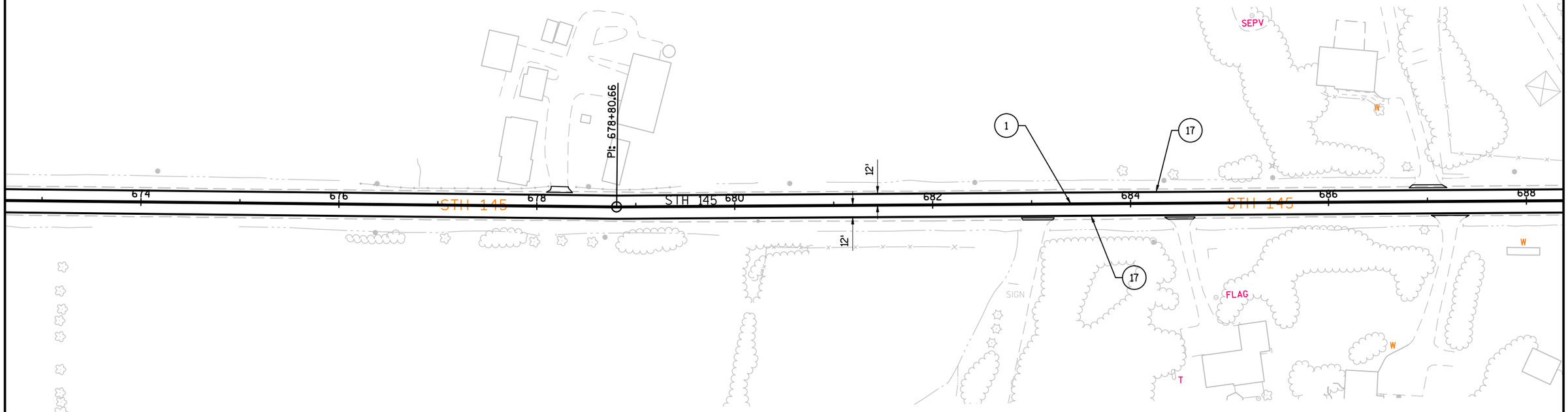

LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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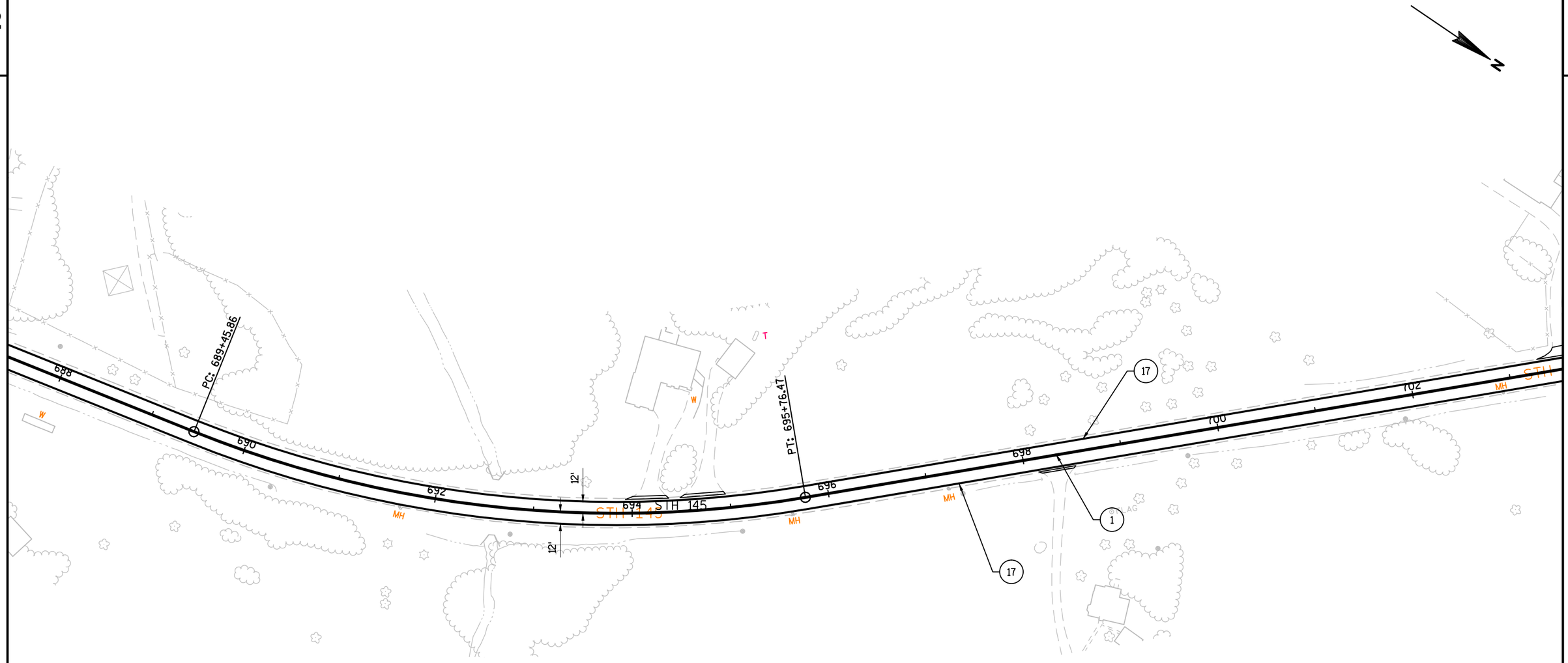
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 104	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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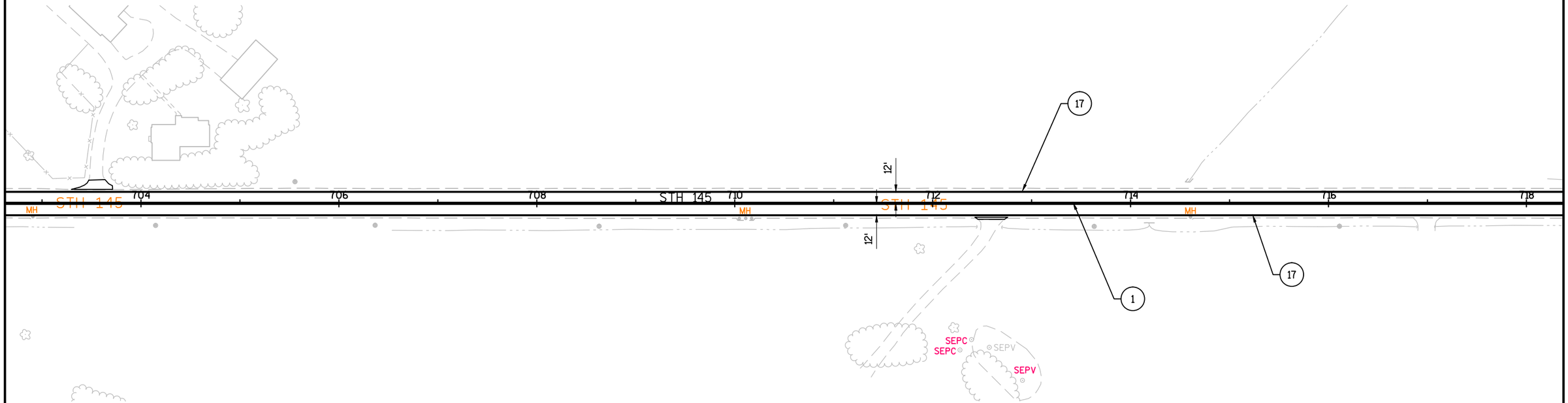
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 105	E

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
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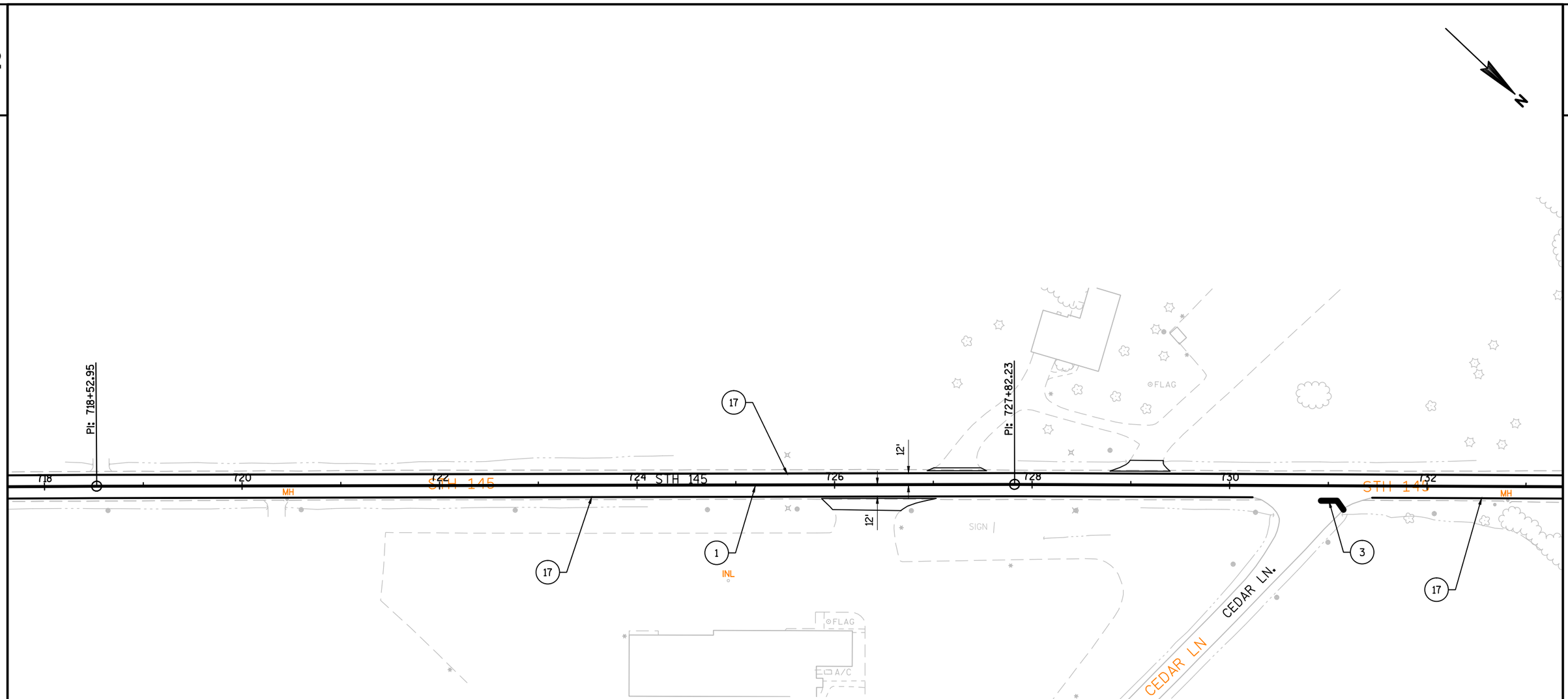
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 106	E



LEGEND

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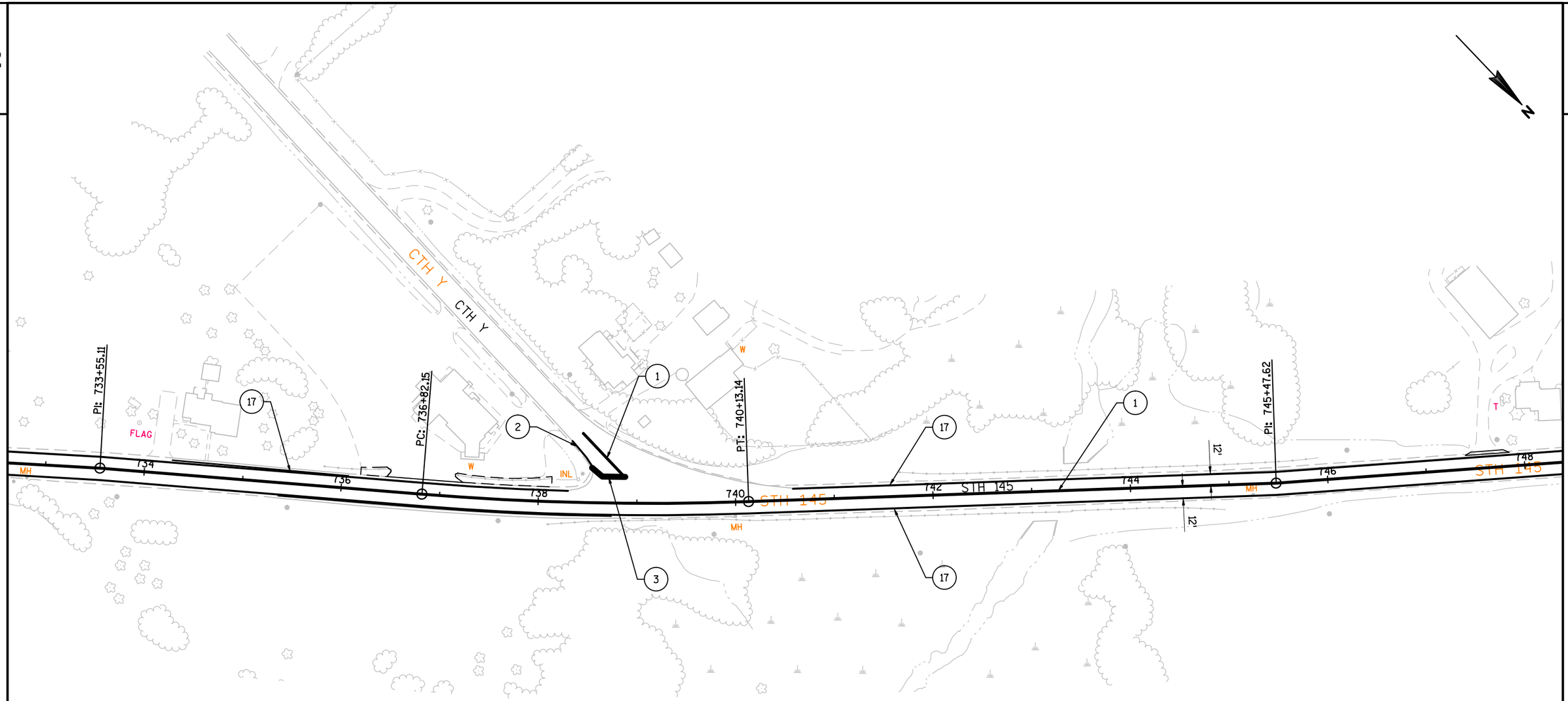
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 107	E

2



LEGEND

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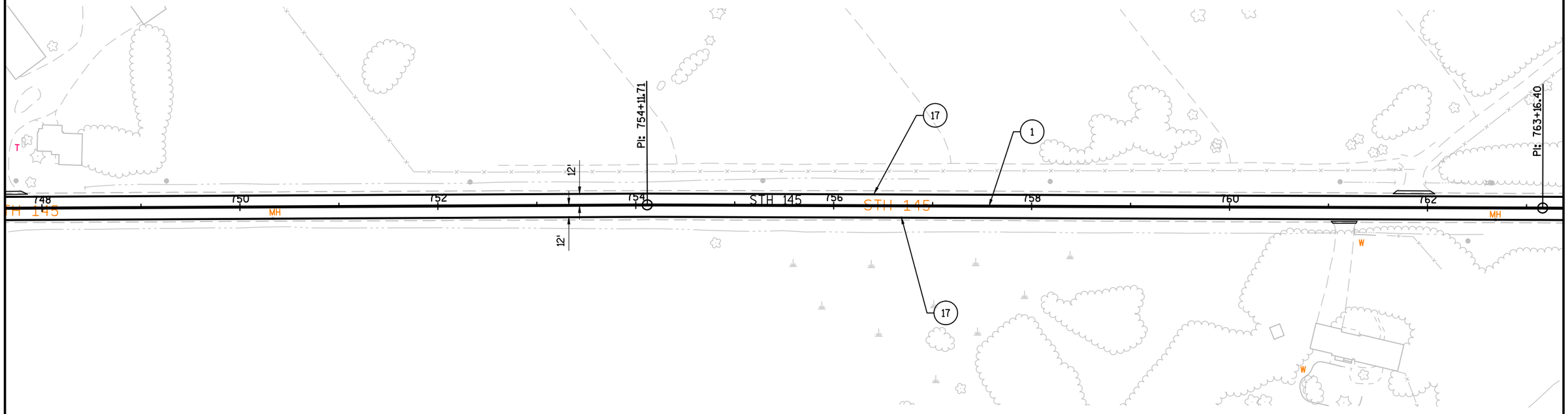
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 108	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024518_PM
PLOT DATE : 1/25/2016 4:24 PM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
3. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH
4. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH
5. PAVEMENT MARKING CROSSWALK WITH DIAGONAL (SEE CONSTRUCTION DETAIL)
6. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC WORDS
7. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 3
8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
9. PAVEMENT MARKING GROOVED PREFORMED PLASTIC TAPE CHANNELIZING 8-INCH
10. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 12.5' LINE, 37.5' GAP (WHITE)
11. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

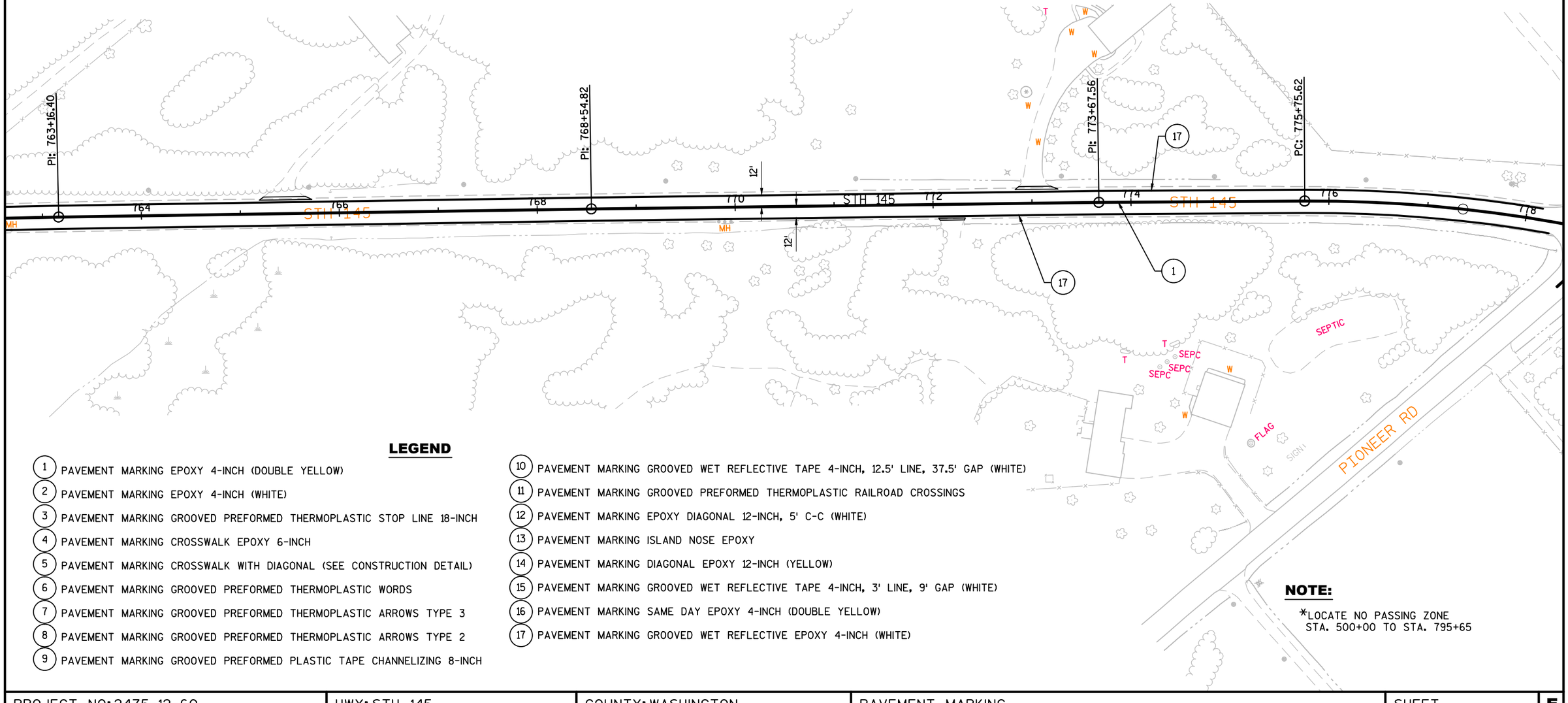
NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 109	E

FILE NAME : N:\PDS\C3D\CAD\24751230\024501_PM.DWG
LAYOUT NAME - 024519_PM
PLOT DATE : 1/25/2016 4:24 PM
PLOT BY : HAYNES, RONNIE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



LEGEND

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8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2
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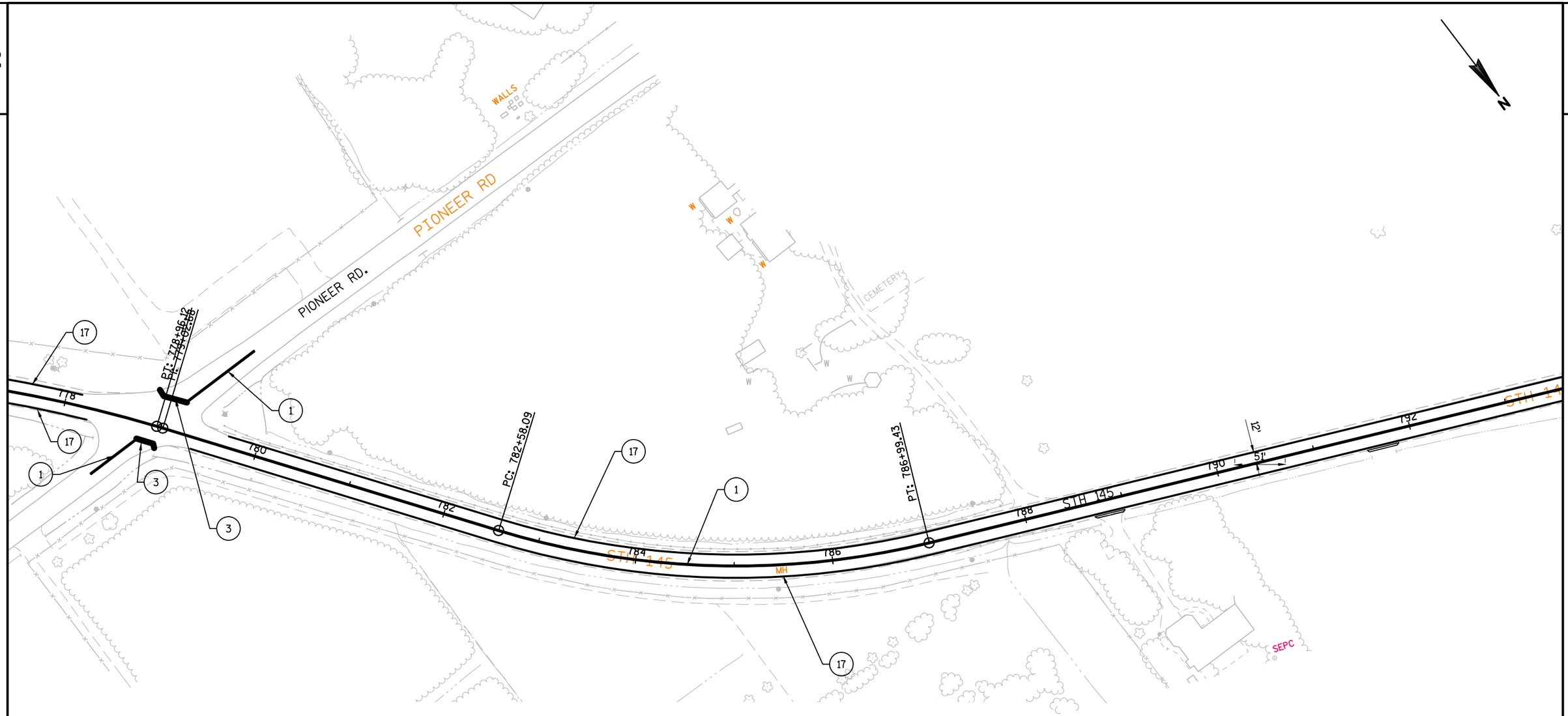
12. PAVEMENT MARKING EPOXY DIAGONAL 12-INCH, 5' C-C (WHITE)
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 110	E

2



LEGEND

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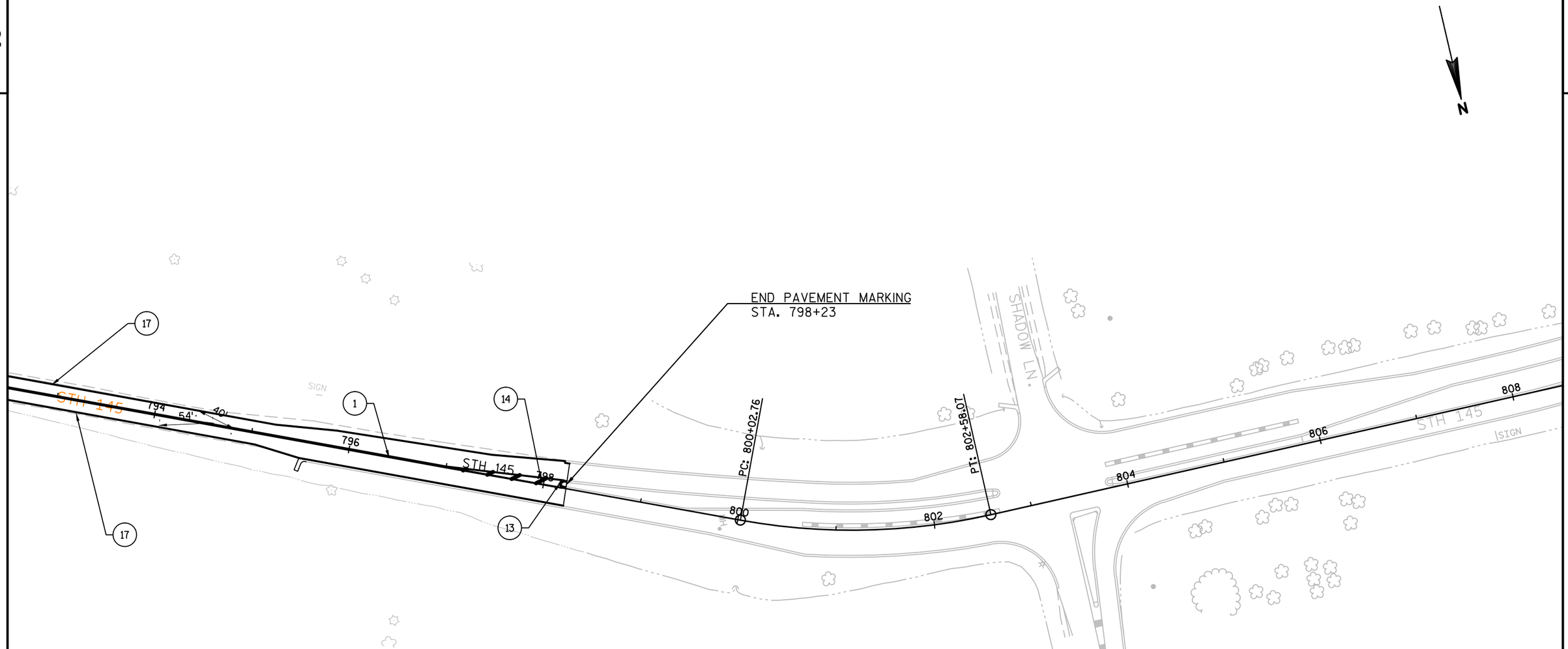
13. PAVEMENT MARKING ISLAND NOSE EPOXY
14. PAVEMENT MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
15. PAVEMENT MARKING GROOVED WET REFLECTIVE TAPE 4-INCH, 3' LINE, 9' GAP (WHITE)
16. PAVEMENT MARKING SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET 111	E

2



LEGEND

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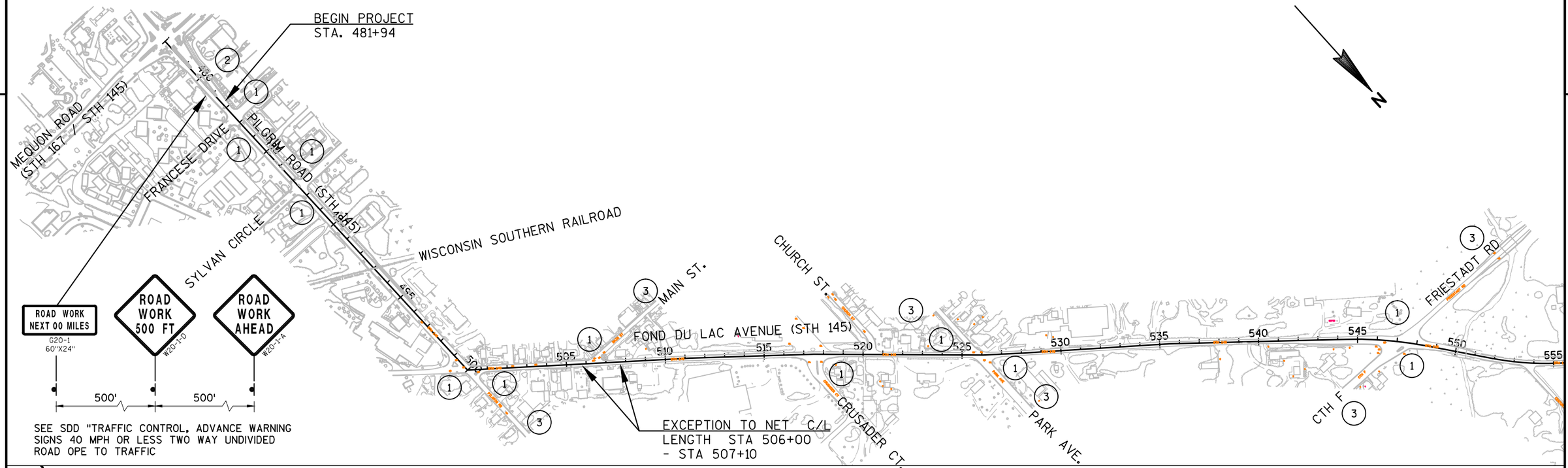
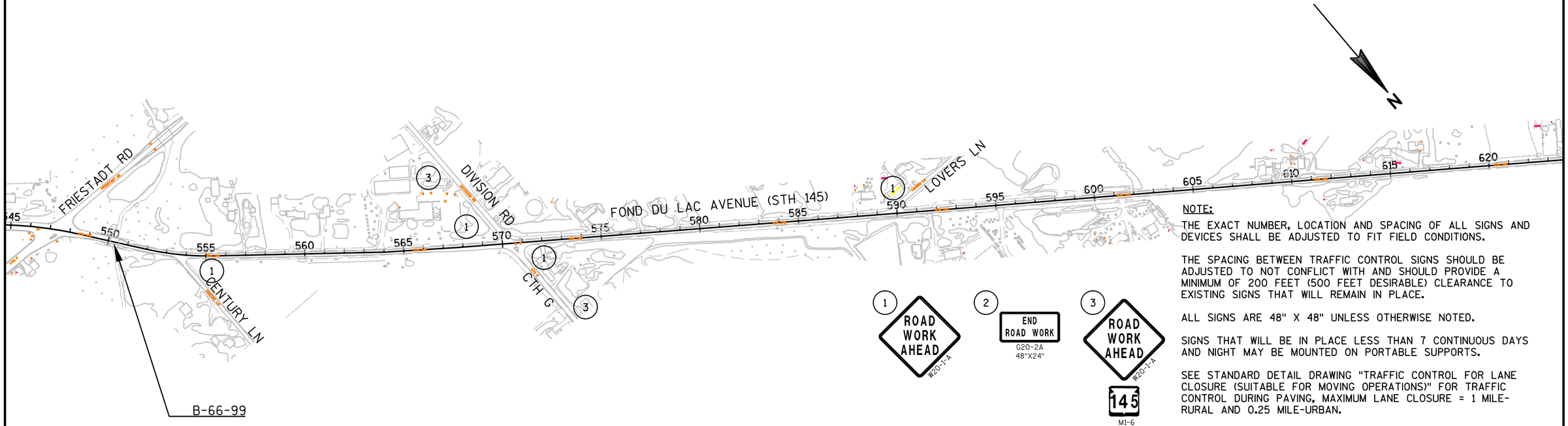
17. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

NOTE:

*LOCATE NO PASSING ZONE
STA. 500+00 TO STA. 795+65





OVERVIEW TRAFFIC CONTROL

1 ROAD WORK AHEAD W20-1-A

2 END ROAD WORK G20-2A 48"X24"

3 ROAD WORK AHEAD W20-1-A

145 M1-6 24"X24"

NOTE:

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.

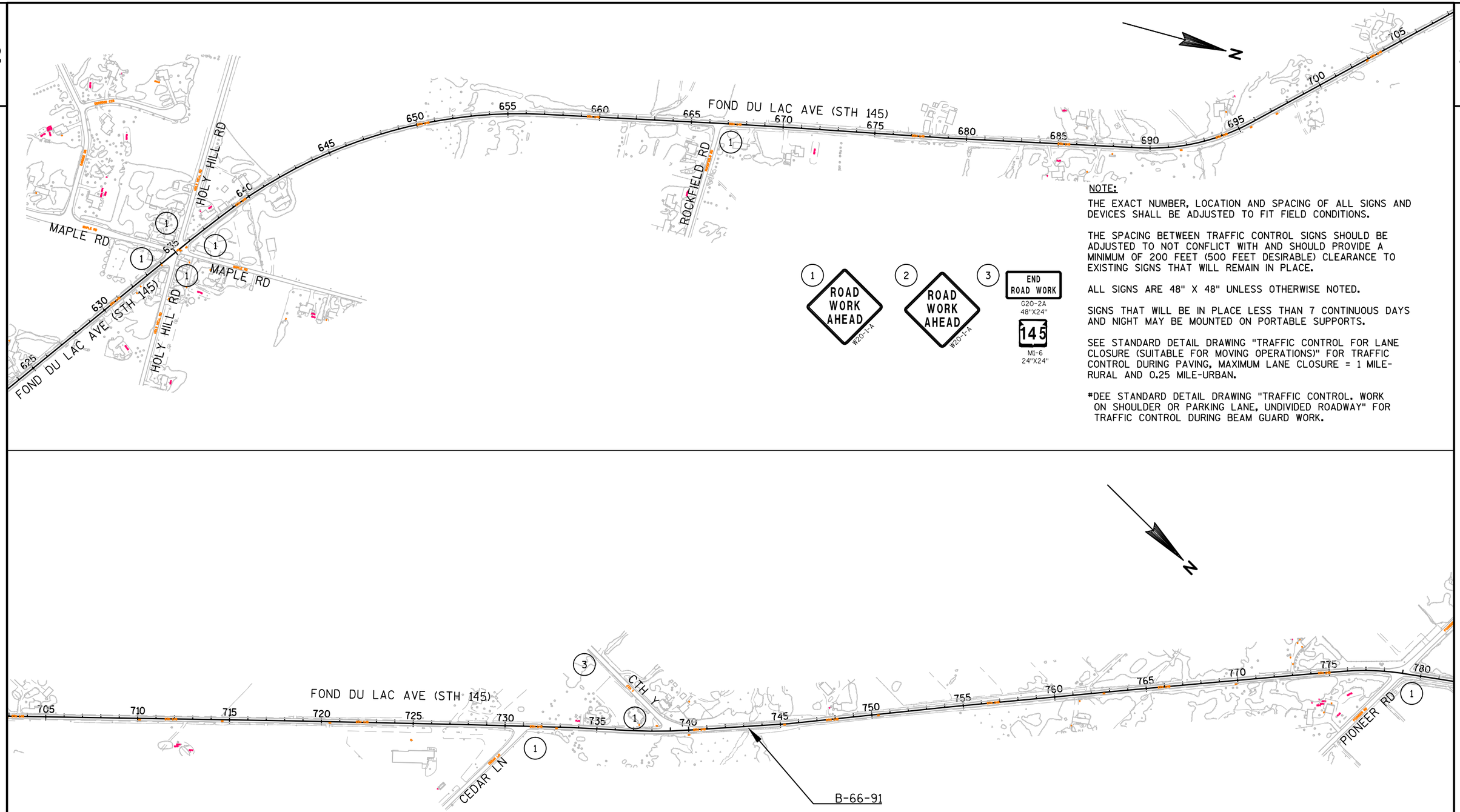
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR TRAFFIC CONTROL DURING PAVING, MAXIMUM LANE CLOSURE = 1 MILE-RURAL AND 0.25 MILE-URBAN.

*DEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL. WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR TRAFFIC CONTROL DURING BEAM GUARD WORK.

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TRAFFIC CONTROL	SHEET 113	E



1 ROAD WORK AHEAD W20-1-A

2 ROAD WORK AHEAD W20-1-A

3 END ROAD WORK G20-2A 48"X24"

145 M1-6 24"X24"

NOTE:

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.

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

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR TRAFFIC CONTROL DURING PAVING, MAXIMUM LANE CLOSURE = 1 MILE-RURAL AND 0.25 MILE-URBAN.

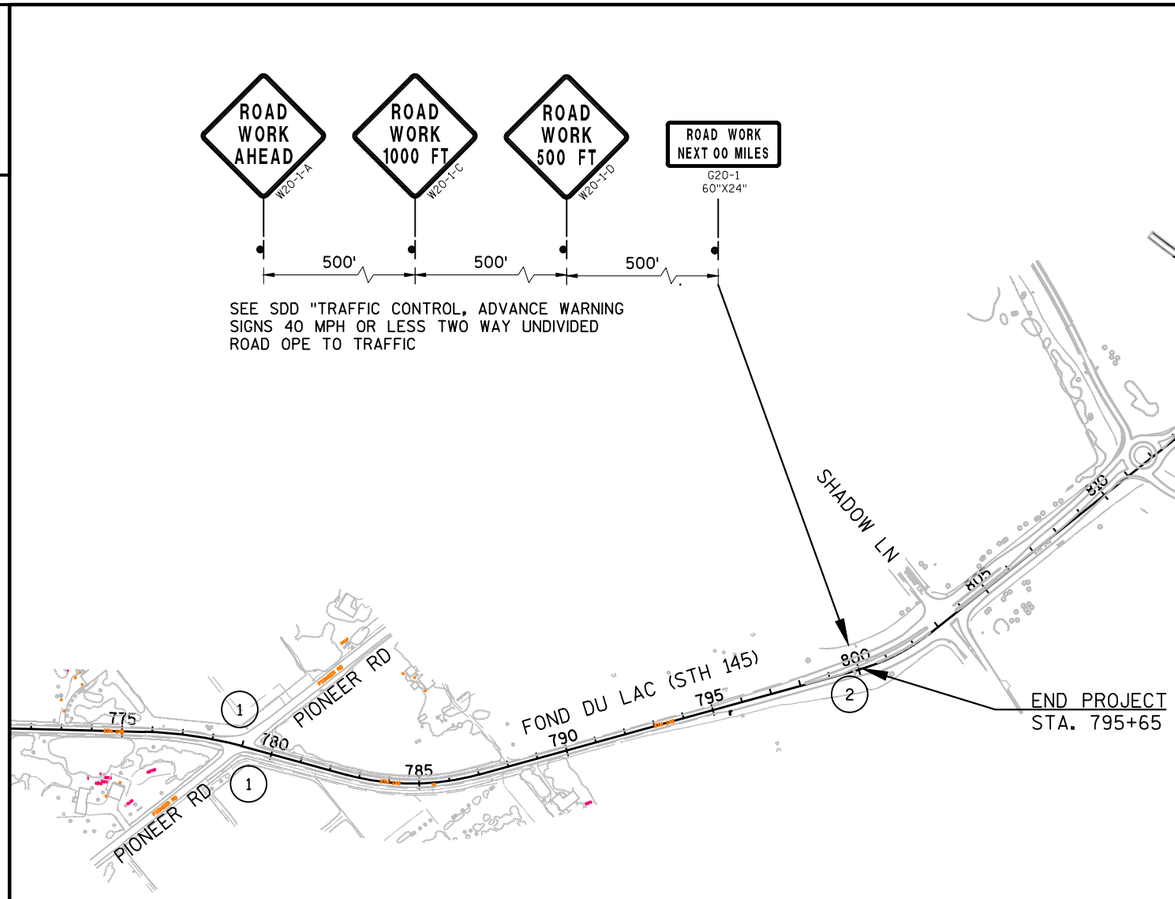
*DEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL. WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR TRAFFIC CONTROL DURING BEAM GUARD WORK.

OVERVIEW TRAFFIC CONTROL

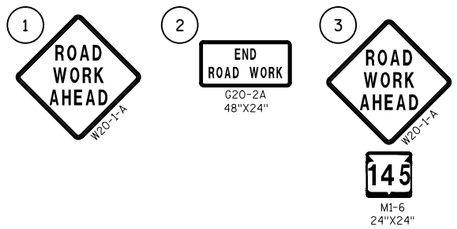
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TRAFFIC CONTROL	SHEET 114	E

2

SEE SDD "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO WAY UNDIVIDED ROAD OPE TO TRAFFIC



END PROJECT
STA. 795+65



NOTE:

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 7 CONTINUOUS DAYS AND NIGHT MAY BE MOUNTED ON PORTABLE SUPPORTS.

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)" FOR TRAFFIC CONTROL DURING PAVING, MAXIMUM LANE CLOSURE = 1 MILE-RURAL AND 0.25 MILE-URBAN.

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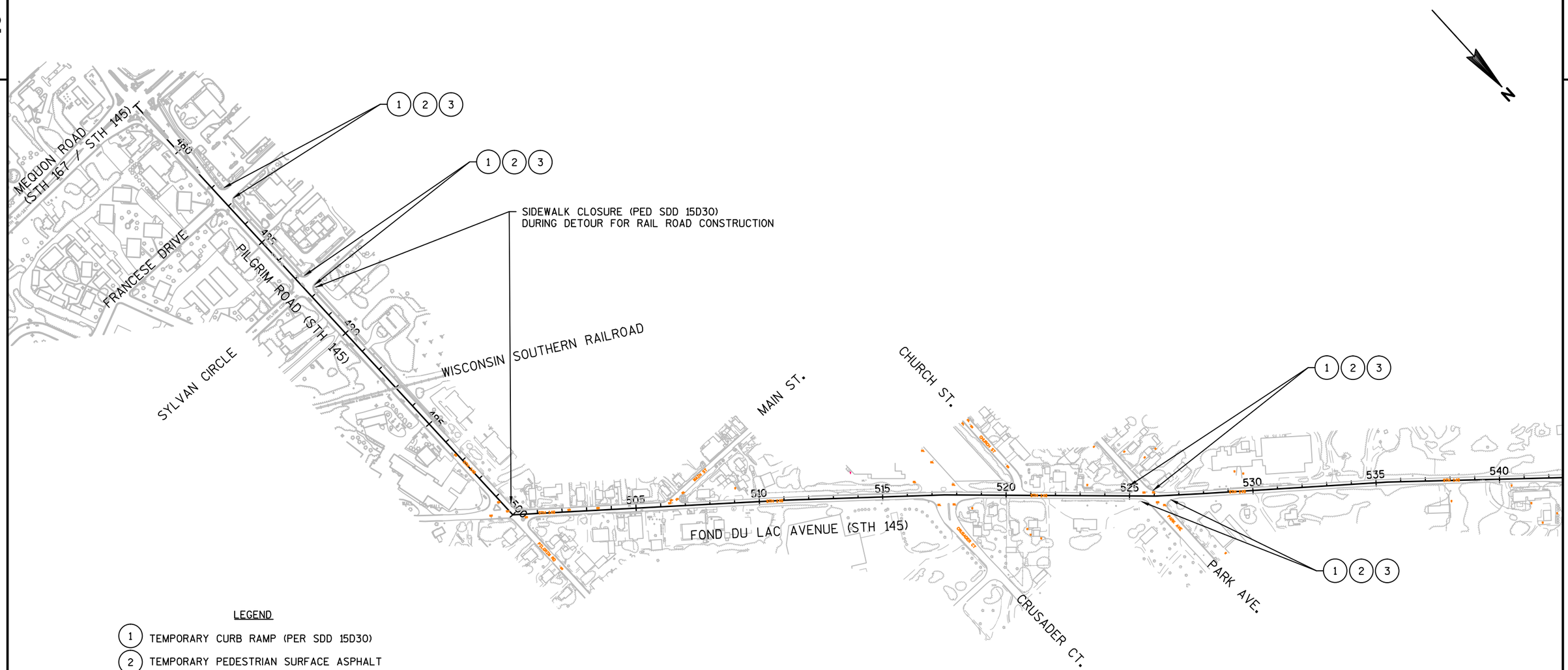
OVERVIEW TRAFFIC CONTROL

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	TRAFFIC CONTROL	SHEET 115	E

2



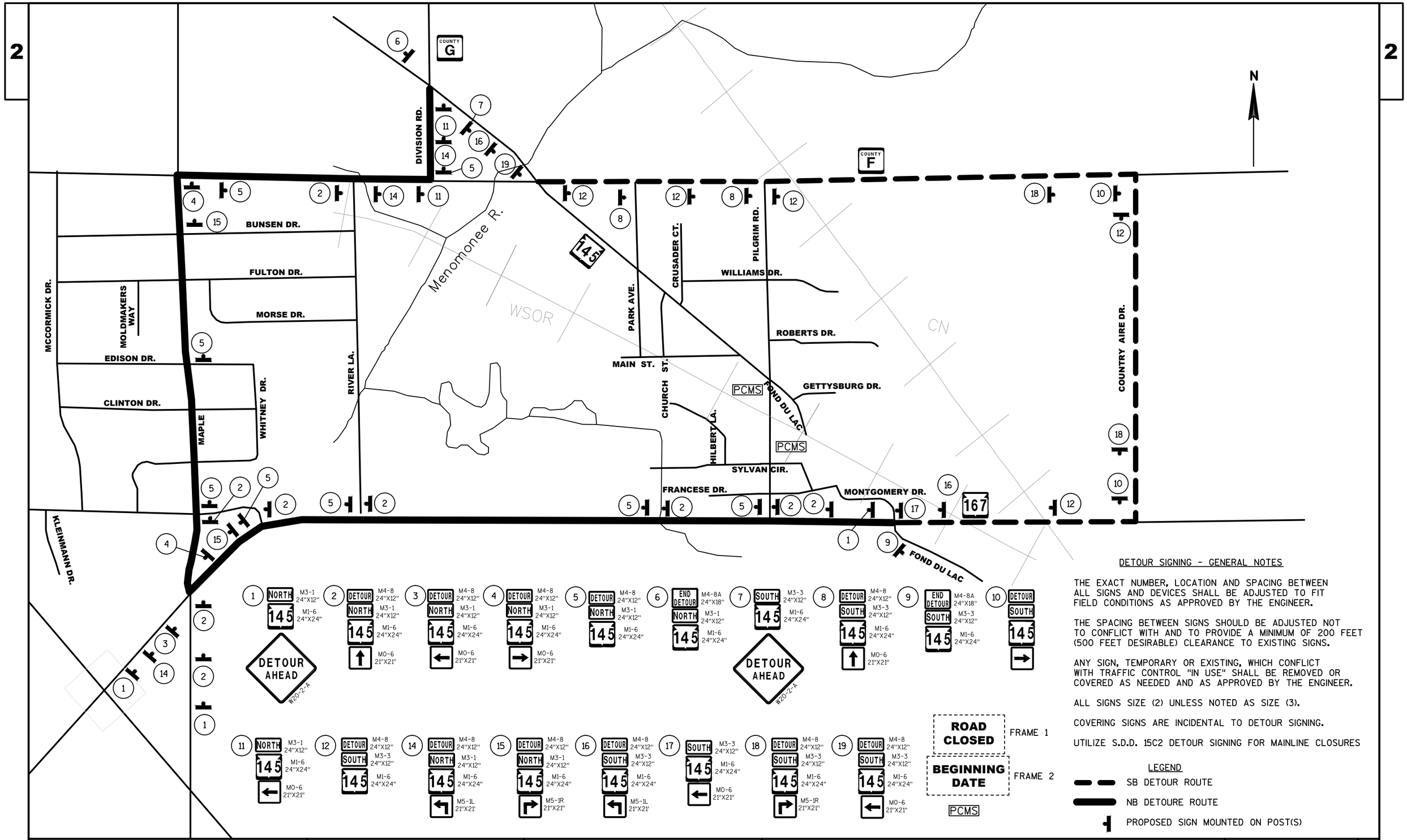
LEGEND

1. TEMPORARY CURB RAMP (PER SDD 15D30)
2. TEMPORARY PEDESTRIAN SURFACE ASPHALT
3. TOPSOIL AND SOD LAWN

NOTE:

- MAINTAIN 1 N/S PEDESTRIAN CROSSING AT FRANCES DRIVE AND SYLVAN CIRCLE
- MAINTAIN 1 N/S AND 1 E/W PEDESTRIAN CROSSING AT PARK AVENUE
- SIDEWALK TO BE CLOSED AT RR CROSSING ONLY DURING RR CONSTRUCTION DETOUR

PEDESTRIAN TRAFFIC CONTROL



DETOUR SIGNING - GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

ALL SIGNS SIZE (2) UNLESS NOTED AS SIZE (3).

COVERING SIGNS ARE INCIDENTAL TO DETOUR SIGNING.

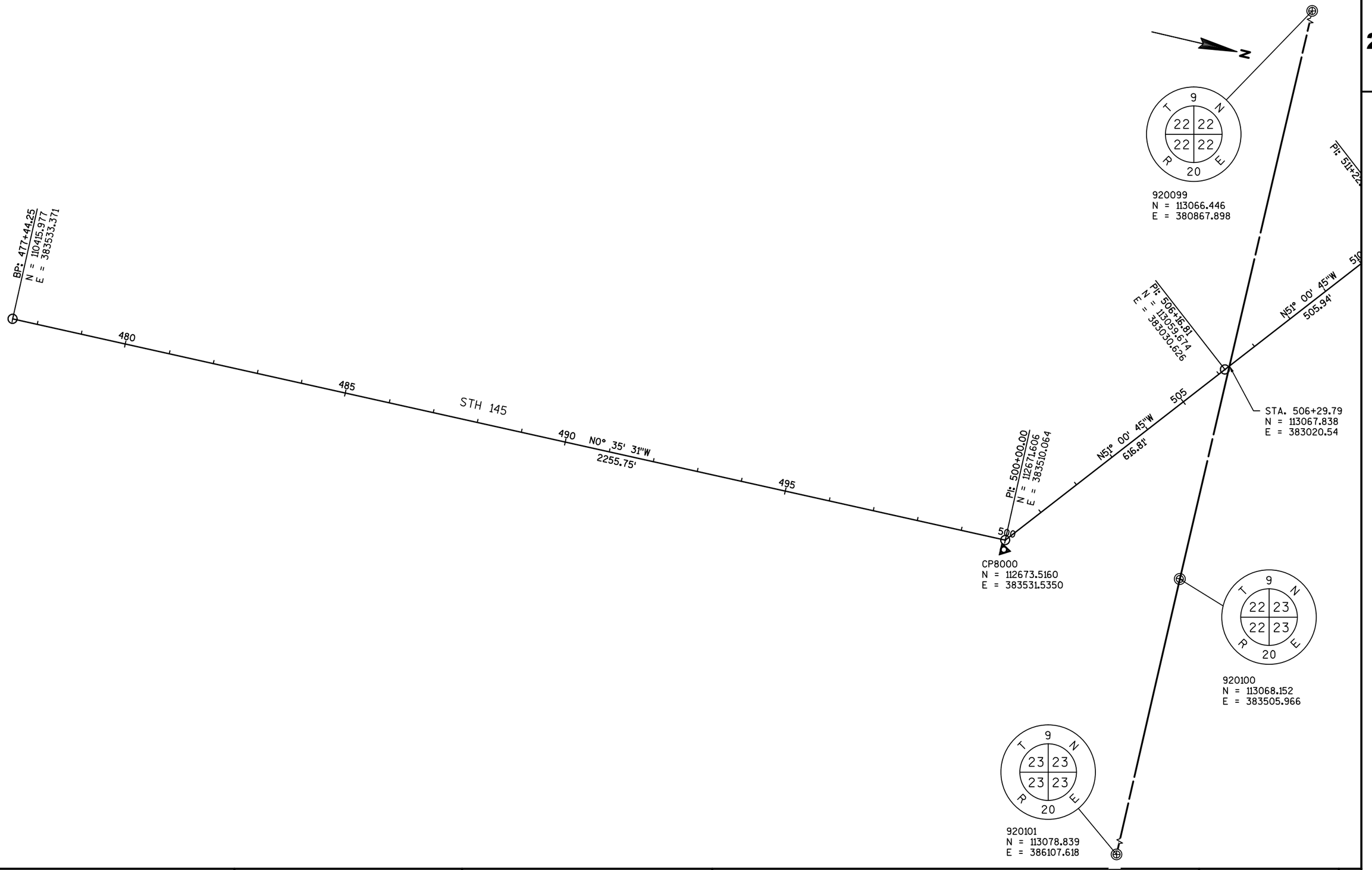
UTILIZE S.D.D. 15C2 DETOUR SIGNING FOR MAINLINE CLOSURES

LEGEND

- SB DETOUR ROUTE
- NB DETOURE ROUTE
- PROPOSED SIGN MOUNTED ON POST(S)

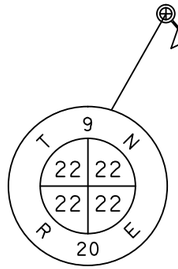
PROJECT NO: 2475-12-70	HWY: STH 145	COUNTY: WASHINGTON	DETOUR ROUTE	SHEET 117	E

2



PROJECT NO: 5475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 118	E

2



920099
N = 113066.446
E = 380867.898

N

PI: 511+22.75
N = 113377.987
E = 382637.368

PI: 517+50.31
N = 113782.865
E = 382157.880

PI: 526+05.88
N = 114359.309
E = 381525.657

PI: 527+97.67
N = 114480.516
E = 381377.028

PI: 535+48.21
N = 114947.575
E = 380789.518

N51° 00' 45"W
505.94'

510

N49° 49' 26"W
627.56'

515

520

N47° 38' 32"W
855.57'

STH 145

525

N50° 48' 10"W
191.79'

530

N51° 30' 57"W
750.54'

535

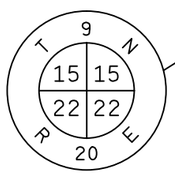
N49° 26' 05"W
891.80'

CP8001
N = 113374.5490
E = 382618.5270
STA. 511+34.93, 14.783' LT

CP8002
N = 114269.4030
E = 381648.5190
STA. 524+54.52, 16.343' RT

CP8003
N = 114838.7170
E = 380899.1870
STA. 533+94.62, 16.966' LT

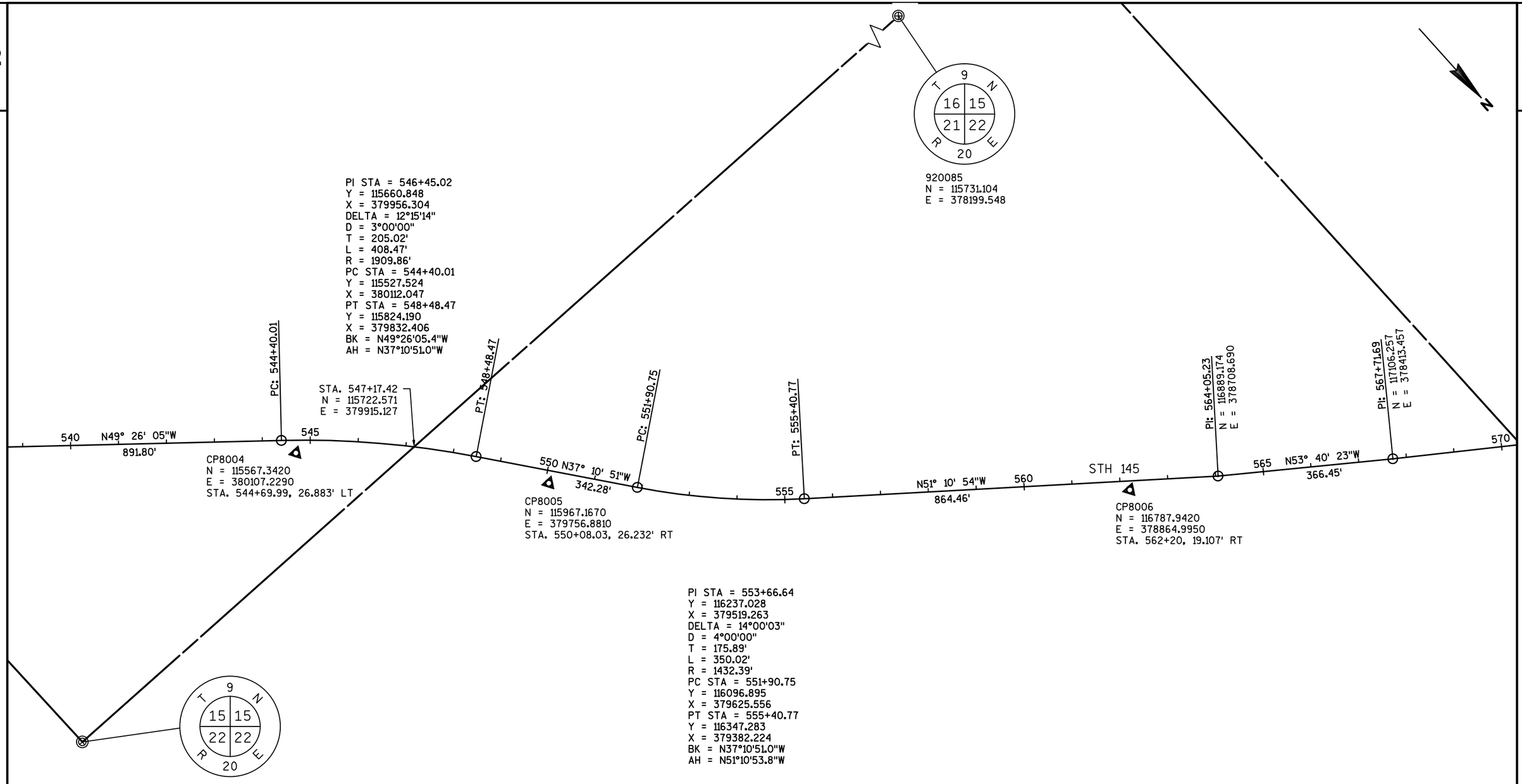
STA. 534+71.05
N = 114899.561
E = 380849.915



920086
N = 115717.962
E = 380841.886

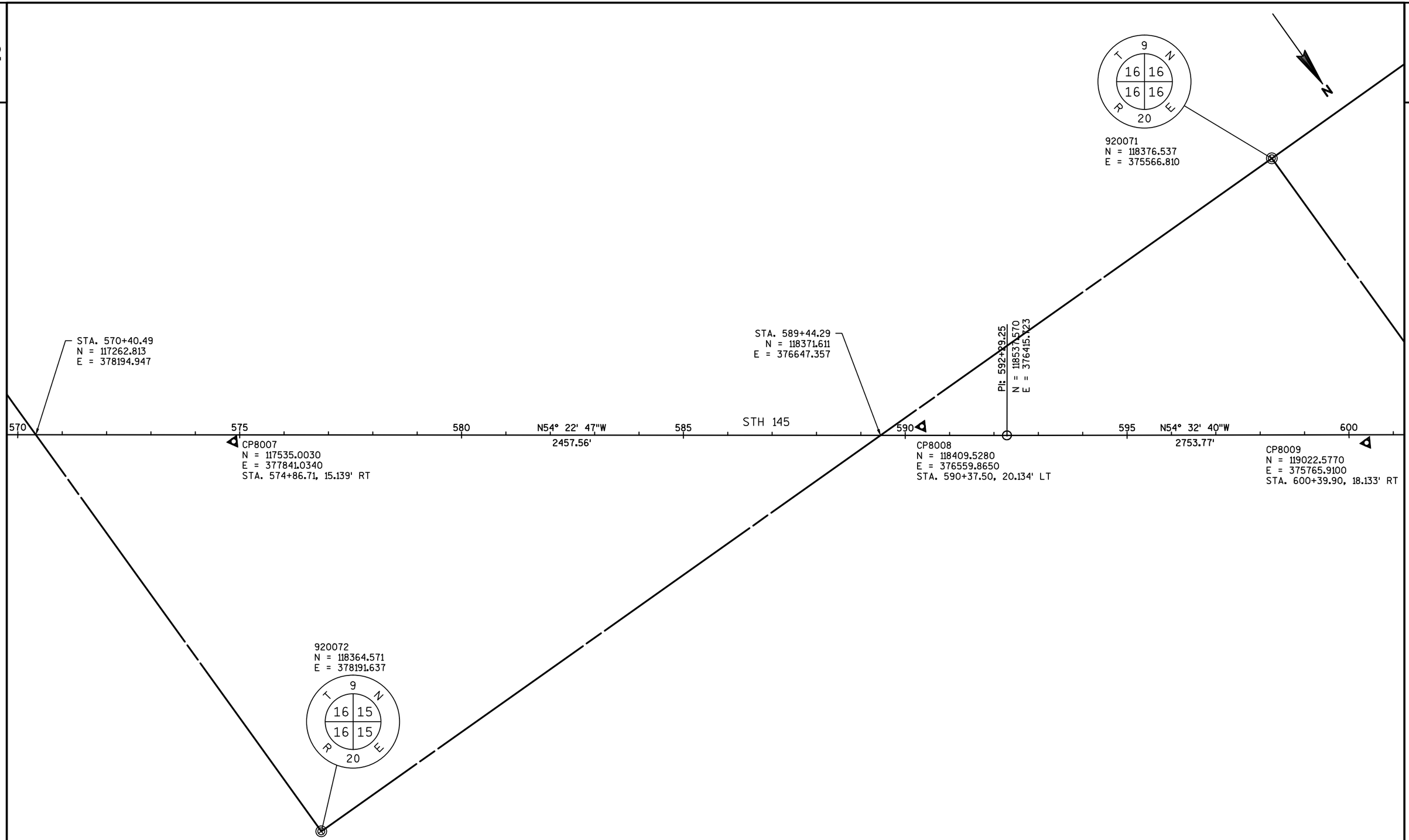
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 119 E

2



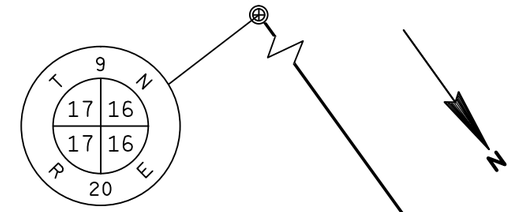
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 120	E

2



PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 121	E

2



920070
N = 118383.857
E = 372947.816

N

STA. 602+75.28
N = 119144.346
E = 375563.665

605

N54° 32' 40"W
2753.77'

610

CP8010
N = 119783.5020
E = 374634.4180
STA. 614+02.96, 18.389' LT

615

STH 145

PI: 619+83.01
N = 120134.950
E = 374172.597

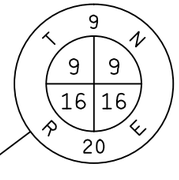
620

N54° 21' 37"W
1523.71'

625

CP8011
N = 120445.8380
E = 373702.6380
STA. 625+46.10, 21.180' RT

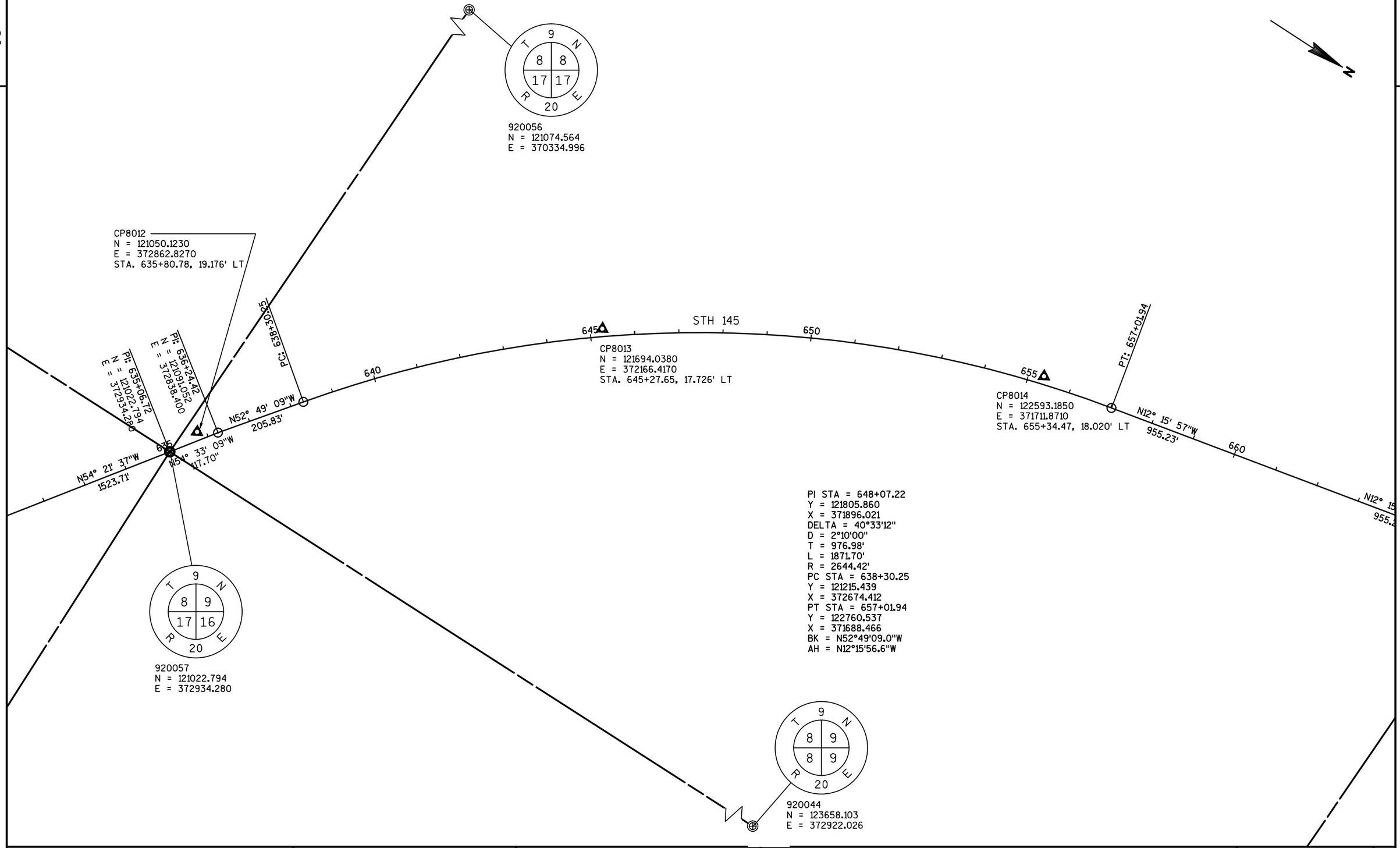
630



920058
N = 121041.303
E = 375555.861

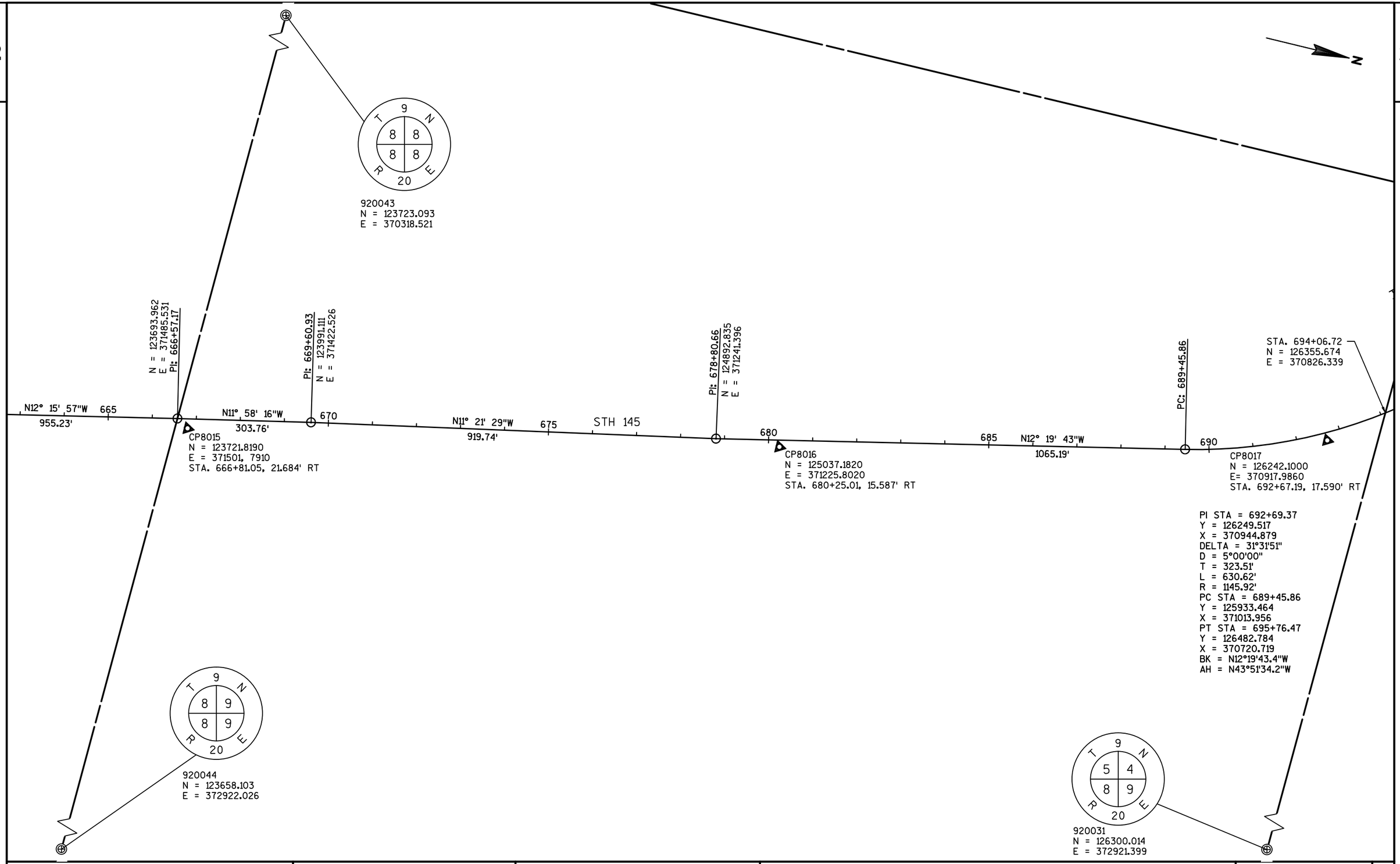
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 122	E

2



PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 123	E

2



PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 124	E

2

N

T 9 N
R 20 E
5 5
8 8

920030
N = 126369.348
E = 370311.634

PT: 695+76.47

695 700 705 710 715 720 725

STH 145

N43° 51' 34"W
2276.48'

N43° 33' 40"W
929.28'

PI: 718+52.95
N = 128124.221
E = 369143.362

CP8018
N = 127106.2840
E = 370146.7060
STA. 704+23.77, 18.131' RT

CP8019
N = 127972.8170
E = 369315.6130
STA. 716+24.43, 19.293' RT

STA. 694+06.72
N = 126355.674
E = 370826.339

STA. 701+54.17
N = 126899.328
E = 370320.437

T 9 N
R 20 E
5 5
5 5

920017
N = 128998.410
E = 370355.301

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 125	E

2

N

T 9 N
6 5
6 5
R 20 E

920016
N = 129060.520
E = 367724.586

PI: 727+82.23
N = 128797.615
E = 368502.975

PI: 733+55.11
N = 129215.071
E = 368110.645

PC: 736+82.15

PT: 740+13.14

PI: 745+47.62
N = 130045.208
E = 367256.692

PI: 754+11.71
N = 130592.249
E = 366587.815

725 N43° 33' 40"W 929.28' 730 N43° 13' 21"W 572.88' 735 N41° 55' 26"W 327.04' 740 N48° 32' 38"W 534.48' 745 N50° 43' 19"W 864.09' 750 755

CP8020
N = 128762.2280
E = 368563.0000
STA. 727+15.22, 19.114' RT

CP8021

STH 145

CP8022
N = 129920.2000
E = 367443.3250
STA. 743+25, 29.870' RT

CP8023
N = 130648.0570
E = 366492.1090
STA. 755+20.98, 18.316' LT

STA. 731+54.17
N = 129047.691
E = 368267.948

STA. 738+88.11
N = 129606.564
E = 367749.136

CP8021
N = 129382.9180
E = 367936.7890
STA. 735+96.16, 17.208' LT

PI STA = 738+47.83
Y = 129581.670
X = 367781.437
DELTA = 6°37'12"
D = 2°00'00"
T = 165.68'
L = 331.00'
R = 2864.79'
PC STA = 736+82.15
Y = 129458.397
X = 367892.137
PT STA = 740+13.14
Y = 129691.359
X = 367657.265
BK = N41°55'26.4"W
AH = N48°32'38.1"W

T 9 N
5 5
5 5
R 20 E

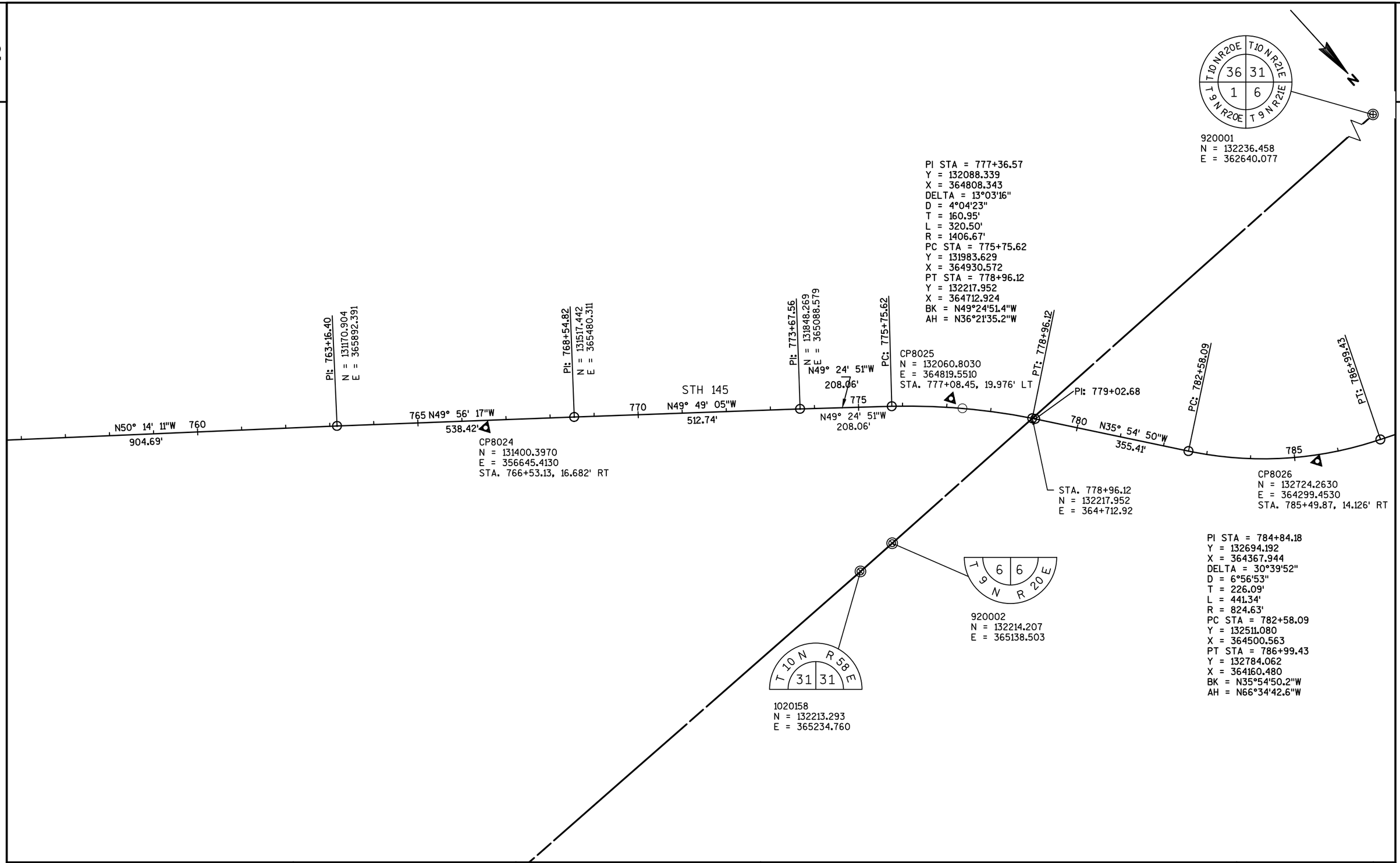
920017
N = 128998.410
E = 307355.301

T 9 N R 20 E
6 5

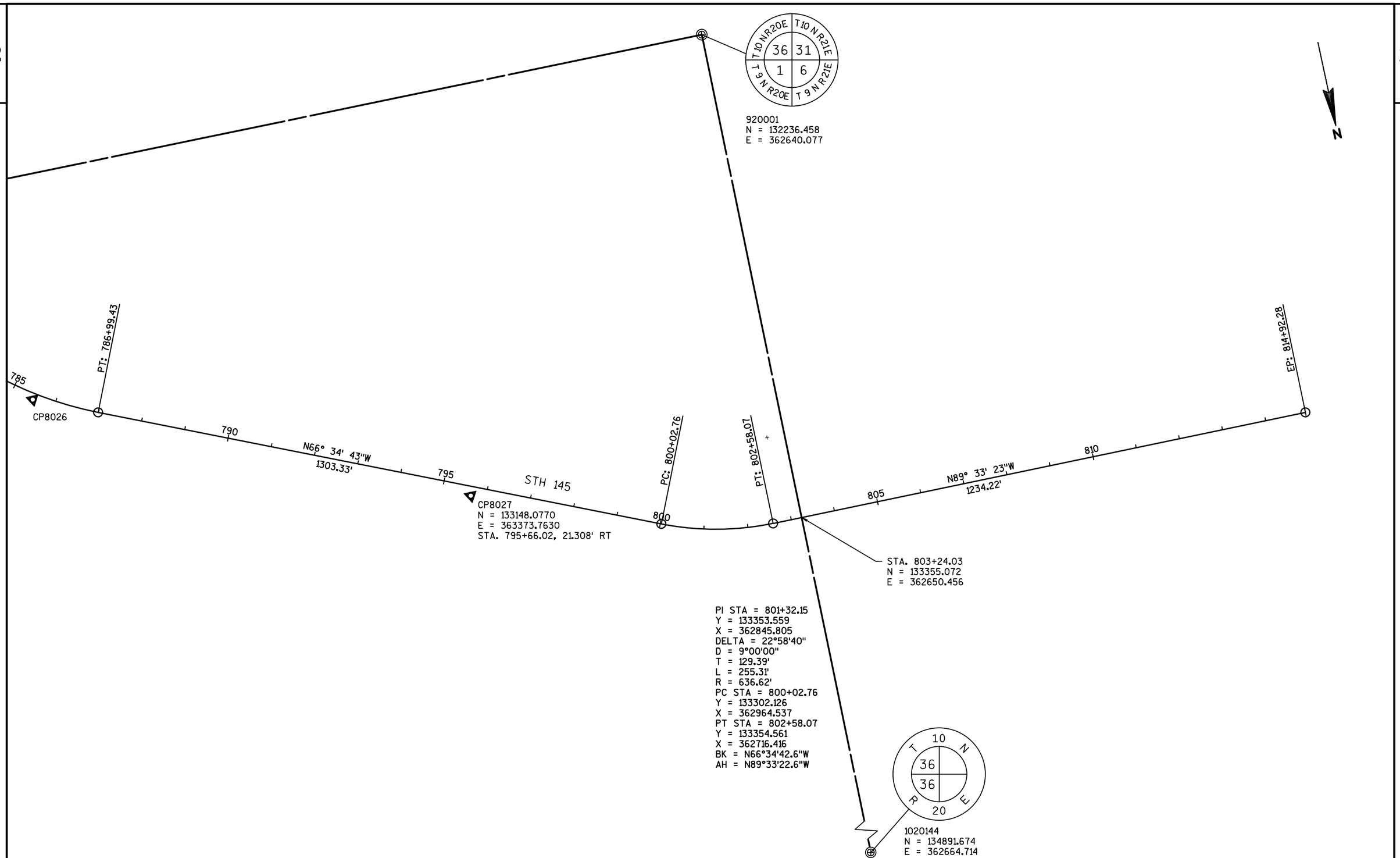
92003
N = 1322170.971
E = 367782.543

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 126	E

2



PROJECT NO: 2471-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 127	E



PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	ALIGNMENT LAYOUT	SHEET 128	E

DATE 20JUL16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	2475-12-60 QUANTITY
0010	204.0100	Removing Pavement	SY	26.410	26.410
0020	204.0110	Removing Asphaltic Surface	SY	2,346.650	2,346.650
0030	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,300.830	1,300.830
0040	204.0125	Removing Asphaltic Surface Milling	TON	9,172.000	9,172.000
0050	204.0150	Removing Curb & Gutter	LF	381.000	381.000
0060	204.0155	Removing Concrete Sidewalk	SY	146.900	146.900
0070	204.0165	Removing Guardrail	LF	3,586.000	3,586.000
0080	213.0100	Finishing Roadway (project) 01. 2475-12-60	EACH	1.000	1.000
0090	305.0110	Base Aggregate Dense 3/4-Inch	TON	961.180	961.180
0100	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	319.230	319.230
0110	305.0500	Shaping Shoulders	STA	499.000	499.000
0120	390.0201	Base Patching Asphaltic	TON	3,745.000	3,745.000
0130	416.0610	Drilled Tie Bars	EACH	4.000	4.000
0140	416.1010	Concrete Surface Drains	CY	4.000	4.000
0150	440.4410	Incentive IRI Ride	DOL	11,339.000	11,339.000
0160	455.0605	Tack Coat	GAL	7,107.000	7,107.000
0170	460.2000	Incentive Density HMA Pavement	DOL	9,138.000	9,138.000
0180	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	32,824.000	32,824.000
0190	465.0105	Asphaltic Surface	TON	326.000	326.000
0200	465.0110	Asphaltic Surface Patching	TON	100.000	100.000
0210	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	260.530	260.530
0220	465.0310	Asphaltic Curb	LF	46.000	46.000
0230	465.0315	Asphaltic Flumes	SY	8.400	8.400
0240	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	16,055.000	16,055.000
0250	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	408.000	408.000
0260	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	293.000	293.000
0270	601.0600	Concrete Curb Pedestrian	LF	18.000	18.000
0280	602.0410	Concrete Sidewalk 5-Inch	SF	1,481.000	1,481.000
0290	602.0415	Concrete Sidewalk 6-Inch	SF	89.000	89.000
0300	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	109.000	109.000
0310	606.0200	Riprap Medium	CY	3.780	3.780
0320	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0330	614.0010	Barrier System Grading Shaping Finishing	EACH	16.000	16.000
0340	614.2300	MGS Guardrail 3	LF	875.000	875.000
0350	614.2330	MGS Guardrail 3 K	LF	1,315.000	1,315.000
0360	614.2340	MGS Guardrail 3 L	LF	200.000	200.000
0370	614.2500	MGS Thrie Beam Transition	LF	158.000	158.000
0380	614.2610	MGS Guardrail Terminal EAT	EACH	15.000	15.000
0390	614.8010	Anchor Post Assembly Top Mount	EACH	18.000	18.000
0400	616.0700.S	Fence Safety	LF	100.000	100.000
0410	619.1000	Mobilization	EACH	1.000	1.000
0420	624.0100	Water	MGAL	9.350	9.350
0430	625.0100	Topsoil	SY	162.900	162.900
0440	628.1104	Erosion Bales	EACH	105.000	105.000
0450	628.1504	Silt Fence	LF	3,880.000	3,880.000
0460	628.1520	Silt Fence Maintenance	LF	970.000	970.000
0470	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0480	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0490	628.2008	Erosion Mat Urban Class I Type B	SY	3,428.000	3,428.000

3

DATE 20JUL16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	2475-12-60 QUANTITY
0500	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0510	628.7015	Inlet Protection Type C	EACH	28.000	28.000
0520	628.7020	Inlet Protection Type D	EACH	7.000	7.000
0530	628.7504	Temporary Ditch Checks	LF	89.000	89.000
0540	628.7570	Rock Bags	EACH	50.000	50.000
0550	630.0160	Seeding Mixture No. 60	LB	23.500	23.500
0560	630.0200	Seeding Temporary	LB	5.000	5.000
0570	631.0300	Sod Water	MGAL	4.560	4.560
0580	631.1000	Sod Lawn	SY	215.400	215.400
0590	633.0100	Delineator Posts Steel	EACH	116.000	116.000
0600	633.0500	Delineator Reflectors	EACH	232.000	232.000
0610	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	210.000	210.000
0620	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	90.000	90.000
0630	637.2210	Signs Type II Reflective H	SF	1,531.440	1,531.440
0640	637.2215	Signs Type II Reflective H Folding	SF	59.680	59.680
0650	637.2230	Signs Type II Reflective F	SF	685.265	685.265
0660	637.2235	Signs Type II Reflective F Folding	SF	6.250	6.250
0670	638.2102	Moving Signs Type II	EACH	5.000	5.000
0680	638.2602	Removing Signs Type II	EACH	253.000	253.000
0690	638.3000	Removing Small Sign Supports	EACH	213.000	213.000
0700	642.5201	Field Office Type C	EACH	1.000	1.000
0710	643.0100	Traffic Control (project) 01.2475-12-60	EACH	1.000	1.000
0720	643.0300	Traffic Control Drums	DAY	11,380.000	11,380.000
0730	643.0420	Traffic Control Barricades Type III	DAY	255.000	255.000
0740	643.0705	Traffic Control Warning Lights Type A	DAY	215.000	215.000
0750	643.0715	Traffic Control Warning Lights Type C	DAY	660.000	660.000
0760	643.0800	Traffic Control Arrow Boards	DAY	55.000	55.000
0770	643.0900	Traffic Control Signs	DAY	3,502.000	3,502.000
0780	643.0920	Traffic Control Covering Signs Type II	EACH	32.000	32.000
0790	643.1050	Traffic Control Signs PCMS	DAY	33.000	33.000
0800	643.2000	Traffic Control Detour (project) 01. 2475-12-60	EACH	1.000	1.000
0810	643.3000	Traffic Control Detour Signs	DAY	1,250.000	1,250.000
0820	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	788.000	788.000
0830	644.1601.S	Temporary Curb Ramp	EACH	9.000	9.000
0840	645.0120	Geotextile Type HR	SY	12.600	12.600
0850	646.0106	Pavement Marking Epoxy 4-Inch	LF	41,172.000	41,172.000
0860	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	34,312.000	34,312.000
0870	646.0881.S	Pavement Marking Grooved Wet Reflective Tape 4-Inch	LF	937.000	937.000
0880	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	55,856.000	55,856.000
0890	647.0606	Pavement Marking Island Nose Epoxy	EACH	7.000	7.000
0900	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	1,244.000	1,244.000
0910	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	1,113.000	1,113.000
0920	648.0100	Locating No-Passing Zones	MI	5.930	5.930
0930	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	64,712.000	64,712.000
0940	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	32,867.000	32,867.000
0950	650.8000	Construction Staking Resurfacing Reference	LF	32,970.000	32,970.000
0960	650.9910	Construction Staking Supplemental Control (project) 01. 2475-12-60	LS	1.000	1.000
0970	690.0150	Sawing Asphalt	LF	10,077.000	10,077.000
0980	690.0250	Sawing Concrete	LF	161.000	161.000

3

DATE 20JUL16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	2475-12-60 QUANTITY
0990	SPV.0035	Special 01. Backfill Slurry	CY	65.000	65.000
1000	SPV.0060	Special 01. Pavement Marking Grooved Preformed Thermoplastic Railroad Crossings	EACH	2.000	2.000
1010	SPV.0060	Special 02. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 2	EACH	2.000	2.000
1020	SPV.0060	Special 03. Pavement Marking Grooved Preformed Thermoplastic Arrows Type 3	EACH	2.000	2.000
1030	SPV.0060	Special 04. Pavement Marking Grooved Preformed Thermoplastic Words	EACH	6.000	6.000
1040	SPV.0060	Special 05. MGS Guardrail Terminal EAT TL-2	EACH	1.000	1.000
1050	SPV.0090	Special 01. Pavement Marking Grooved Preformed Thermoplastic Stop Line 18-Inch	LF	709.000	709.000
1060	SPV.0090	Special 02. Pavement Marking Grooved Preformed Plastic Tape Channelizing 8-Inch	LF	877.000	877.000
1070	SPV.0195	Special 01. HMA Pavement 4 MT 58-28 S 3. 0% Va Regression Special	TON	14,278.000	14,278.000

3

LOCATION	REMOVING ASPHALTIC SURFACE BUTT JOINTS 204.0115 SY	REMOVING ASPHALTIC SURFACE MILLING 204.0125 TON	SAWING ASPHALT 690.0150** LF
STH 145			
STA 481+94 TO 500+00	--	1313	44
STA 500+00 TO 506+00	--	368	--
STA 507+10 TO 553+00	--	1992	--
STA 553+00 TO 570+50	155.56	391	28
STA 570+50 TO 795+65	188.89	4672	34
SIDE ROAD LIMITS			
FRANCES DR.	--	--	--
SYLVAN CIR.	--	--	--
FOND DU LAC AVE.	--	--	--
PILGRIM RD.	--	--	--
CRUSADER CT.	--	--	--
CHURCH ST.	--	--	--
PARK AVE.	--	--	--
FRIESTADT RD. (CTH F)	--	--	--
CENTURY LN.	50.00	--	18
DIVISION RD (CTH G)	161.11	--	58
LOVERS LN.	61.11	--	22
MAPLE RD.	122.22	--	44
HOLY HILL RD.	133.33	--	48
ROCKFIELD RD.	83.33	--	30
CEDAR LN.	61.11	--	22
CTH Y	77.78	--	28
PIONEER RD.	144.44	--	52
UNDISTRIBUTED	61.94	437	18
TOTAL	**1300.83**	**9,172**	**446**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	REMOVING CURB & GUTTER 204.0150** LF	REMOVING CONCRETE SIDEWALK 204.0155** SY	REMOVING ASPHALTIC SURFACE 204.0110** SY	SAWING ASPHALT 690.0150** LF	SAWING CONCRETE 690.0250** LF
STH 145 PEDESTRIAN RAMPS					
FRANCES DRIVE					
NW QUADRANT	16	7.2	--	18	10
SE QUADRANT	18	--	--	20	5
SW QUADRANT	28	16.2	--	31	19
SYLVAN CIRCLE					
NW QUADRANT	17	17.3	--	18	9
SE QUADRANT	15	--	--	16	5
SW QUADRANT	34	18.0	--	36	15
RAILROAD CROSSING					
STA 492+87 TO 493+16 LT	--	13.3	7.2	--	5
STA 493+22 TO 496+46 LT	--	11.2	9.4	--	5
GEHL CROSSING					
STA 516+41 TO 516+62 LT	20	--	13.3	42	5
STA 516+45 TO 516+82 RT	--	--	--	38	--
PARK AVE.					
NW QUADRANT	16	4.3	--	18	10
SE QUADRANT	28	42.8	--	57	8
UNDISTRIBUTED	9	6.5	1.5	15	5
TOTAL	**199**	**137.0**	**31.5**	**308**	**101**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

3

	REMOVING				SAWING	
	PAVEMENT	ASPHALTIC SURFACE	CURB & GUTTER	CONCRETE SIDEWALK	ASPHALT	CONCRETE
	204.0100	204.0110**	204.0150**	204.0155**	690.0150**	690.0250**
LOCATION	SY	SY	LF	SY	LF	LF
STH 145						
STA 484+78 TO 484+98 LT (DWY)	--	31.78	20	--	20	5
STA 488+89 TO 489+20 RT (DWY)	--	6.00	31	--	58	5
STA 489+63 TO 489+87 RT (DWY)	--	24.89	24	--	49	5
STA 490+41 TO 490+48 RT	--	--	5	--	7	5
STA 491+23 TO 491+30 LT	--	--	7	--	7	5
STA 492+63 TO 493+41 (RAILROAD APPROACH)	--	329.44	40	--	80	12
STA 493+48 TO 493+58 RT	--	--	10	--	10	5
STA 494+53 TO 494+89 RT (DWY)	--	23.67	36	--	62	5
STA 502+58 RT (DWY)	--	6.33	--	--	25	--
STA 503+07 RT (DWY)	--	29.00	--	--	20	--
STA 505+20 TO 505+37 RT (DWY)	--	--	--	9.4	--	10
STA 507+47 TO 509+36 RT (DWY)	--	191.67	--	--	317	--
STA 508+47 LT (DWY)	--	6.00	--	--	26	--
STA 509+60 LT (DWY)	13.94	13.94	--	--	--	--
STA 519+14 RT (DWY)	--	5.22	--	--	15	--
STA 520+08 RT (DWY)	--	7.00	--	--	18	--
STA 521+89 RT (DWY)	--	55.00	--	--	76	--
STA 521+64 LT (DWY)	--	11.67	--	--	28	--
STA 522+34 LT (DWY)	--	5.00	--	--	19	--
STA 523+01 LT (DWY)	11.96	23.93	--	--	--	--
STA 524+81 TO 525+39 RT (DWY)	--	--	--	--	58	--
STA 526+65 LT (DWY)	--	11.93	--	--	--	--
STA 528+10 TO 531+62 LT (DWY)	--	162.78	--	--	531	--
STA 530+27 RT (DWY)	--	17.11	--	--	34	--
STA 533+36 LT (DWY)	--	15.33	--	--	31	--
STA 534+72 LT (DWY)	--	7.89	--	--	35	--
STA 537+66 RT (DWY)	--	7.33	--	--	30	--
STA 539+55 RT (DWY)	--	6.56	--	--	20	--
STA 556+96 LT (DWY)	--	35.33	--	--	13	--
STA 559+33 LT (DWY)	--	10.78	--	--	30	--
STA 560+90 LT (DWY)	--	9.33	--	--	25	--
STA 563+86 LT (DWY)	--	74.44	--	--	31	--
STA 572+00 RT (DWY)	--	11.22	--	--	47	--
STA 574+67 LT (DWY)	--	12.44	--	--	34	--
STA 575+55 LT (DWY)	--	9.11	--	--	24	--
STA 577+13 LT (DWY)	--	9.11	--	--	26	--
SUBTOTAL	**25.91**	**1171.24**	**173**	**9.4**	**1804**	**57**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

		REMOVING (CONT.)				SAWING (CONT.)	
		PAVEMENT	ASPHALTIC SURFACE	CURB & GUTTER	CONCRETE SIDEWALK	ASPHALT	CONCRETE
		204.0100	204.0110**	204.0150**	204.0155**	690.0150**	690.0250**
LOCATION		SY	SY	LF	SY	LF	LF
	STH 145						
STA 578+95 LT (DWY)		--	7.33	--	--	21	--
STA 579+77 LT (DWY)		--	6.78	--	--	19	--
STA 583+06 LT (DWY)		--	9.11	--	--	24	--
STA 587+87 LT (DWY)		--	6.22	--	--	27	--
STA 591+65 RT (DWY)		--	8.33	--	--	35	--
STA 595+23 RT (DWY)		--	8.89	--	--	39	--
STA 601+37 RT (DWY)		--	12.22	--	--	51	--
STA 601+89 LT (DWY)		--	8.56	--	--	23	--
STA 609+40 LT (DWY)		--	8.89	--	--	24	--
STA 613+33 RT (DWY)		--	19.89	--	--	18	--
STA614+55 LT (DWY)		--	10.56	--	--	28	--
STA 616+57 LT (DWY)		--	10.56	--	--	28	--
STA 624+21 LT (DWY)		--	10.33	--	--	--	--
STA 632+28 LT (DWY)		--	56.33	--	--	31	--
STA 633+25 TO 633+70 LT		--	38.89	--	--	45	--
STA 638+18 LT (DWY)		--	7.33	--	--	--	--
STA 641+27 LT (DWY)		--	7.78	--	--	--	--
STA 641+68 RT (DWY)		--	21.56	--	--	--	--
STA 642+20 RT (DWY)		--	18.56	--	--	--	--
STA 661+63 RT (DWY)		--	7.56	--	--	--	--
STA 662+95 LT (DWY)		--	11.11	--	--	--	--
STA 668+32 RT (DWY)		--	7.22	--	--	--	--
STA 669+15 LT (DWY)		--	7.22	--	--	--	--
STA 670+18 RT (DWY)		--	7.67	--	--	32	--
STA 678+22 LT (DWY)		--	13.33	--	--	--	--
STA 683+06 RT (DWY)		--	6.89	--	--	--	--
STA 684+51 RT (DWY)		--	6.22	--	--	26	--
STA 687+00 LT (DWY)		--	11.33	--	--	29	--
STA 687+22 RT (DWY)		--	7.67	--	--	31	--
STA 694+17 LT (DWY)		--	12.44	--	--	--	--
STA 694+75 LT (DWY)		--	13.89	--	--	--	--
STA 698+34 RT (DWY)		--	7.78	--	--	32	--
STA 703+56 LT (DWY)		--	28.67	--	--	16	--
STA712+60 RT (DWY)		--	6.67	--	--	--	--
STA 726+39 RT (DWY)		--	115.44	--	--	70	--
STA 727+22 LT (DWY)		--	18.00	--	--	48	--
STA 729+18 LT (DWY)		--	52.78	--	--	34	--
STA 736+00 TO 738+75 RT		--	150.00	--	--	280	--
STA 736+18 TO 736+50 LT		--	27.44	--	--	54	--
STA 736+85 LT (DWY)		--	74.89	--	--	72	--
STA 737+15 TO 738+42 LT		--	82.44	--	--	234	--
STA 747+65 LT (DWY)		--	13.00	--	--	--	--
STA761+17 RT (DWY)		--	5.56	--	--	23	--
STA 761+86 LT (DWY)		--	12.67	--	--	--	--
STA 765+45 LT (DWY)		--	16.00	--	--	43	--
STA 772+18 RT (DWY)		--	5.78	--	--	--	--
STA 773+02 LT (DWY)		--	12.44	--	--	32	--
STA 788+84 RT (DWY)		--	6.56	--	--	27	--
STA 791+69 RT (DWY)		--	6.89	--	--	--	--
UNDISTRIBUTED		0.50	110	9	0.5	165	3
	SUBTOTAL	**0.50**	**1143.91**	**9**	**0.5**	**1,660**	**3**
	TOTAL	**26.41**	**2,315.15**	**182**	**9.9**	**3,464**	**60**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

3

	ASPHALTIC SHOULDER REPLACEMENT						
	SHAPING SHOULDERS 305.0500**	BASE AGGREGATE DENSE 3/4 - INCH 305.0110**	BASE PATCHING ASPHALTIC 390.0201**	BASE PATCHING ASPHALTIC 390.0201**	SURFACE PATCHING ASPHALTIC 465.0110	WATER 624.0100	SAWING ASPHALT 690.0150**
LOCATION	STA	TON	TON	TON	TON	MGAL	LF
STH 145							
STA 481+94 TO 500+00	--	--	--	253	--	--	800
STA 500+00 TO 506+00	--	--	--	92	--	--	700
STA 507+10 TO 553+00	1	6.5	3	705	--	0.06	960
STA 553+00 TO 570+50	3	19.4	23	380	--	0.19	720
STA 570+50 TO 795+65	23	99.4	351	1759	--	0.99	2400
UNDISTRIBUTED	2	6.3	19	159	100	0.06	279
TOTAL	**29**	**131.6**	**397**	**3,348**	**100**	**1.30**	**5,859**

* ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

	SHOULDER ITEMS		ASPHALT ITEMS							
	BASE AGGREGATE DENSE 3/4 - INCH 305.0110**	SHAPING SHOULDERS 305.0500**	BASE AGGREGATE DENSE 1 1/4 - INCH 305.012	TACK COAT 455.0605	HMA PAVEMENT 4 MT 58-28 S 3.0% VA REGRESSION SPECIAL SPV.0195.01	REHEATING HMA PAVEMENT LONGITUDINAL JOINTS 460.4110.S	ASPHALTIC SURFACE 465.0105**	ASPHALT FLUMES 465.0315	ASPHALTIC CENTER LINE RUMBLE STRIP 2-LANE RURAL 465.0475	WATER 624.01
LOCATION	TON	STA	TON	GAL	TON	LF	TON	SY	LF	MGAL
STH 145										
STA 492+63 TO 493+41 (RR APPROACH)	--	--	77.0	20	99	--	--	--	--	0.77
STA 481+94 TO 500+00	--	--	--	506	1013	1,806	300	--	--	--
STA 500+00 TO 506+00	1.9	1	--	184	368	600	--	--	--	0.02
STA 507+10 TO 553+00	85.2	46	--	996	1992	4,590	--	--	--	0.85
STA 553+00 TO 570+50	324.1	175	--	391	782	1,750	--	--	--	3.24
STA 570+50 TO 795+65	279.0	226	--	4672	9344	22515	--	--	15290	2.79
STA 738+75 RT	--	--	--	--	--	--	--	8	--	--
UNDISTRIBUTED	34.5	22	3.9	338	680	1563	15	0.4	764.5	0.38
TOTALS	**724.6**	**470**	**80.9**	**7,107**	**14,278**	**32,824**	**315**	**8.4**	**16,055**	**8.05**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

3

PEDESTRIAN CURB RAMP QUANTITIES

LOCATION	BASE AGGREGATE DENSE 1 1/4 - INCH 305.0120** TON	CONCRETE CURB & GUTTER 30-INCH TYPE D 601.0411** LF	CONCRETE PEDESTRIAN CURB 601.0600 LF	CONCRETE SIDEWALK 5-INCH 602.0410 SF	CURB RAMP DETECTABLE WARNING FIELD YELLOW 602.0505 SF	ASPHALTIC SURFACE 465.0105** TON
STH 145 PEDESTRIAN RAMPS						
FRANCES DRIVE						
NW QUADRANT	3.4	16	--	67.2	8	--
SE QUADRANT	3.5	18	--	61.15	8	--
SW QUADRANT	6.8	28	--	169.6	8	--
SYLVAN CIRCLE						
NW QUADRANT	4.6	17	--	112.3	8	--
SE QUADRANT	3.4	15	--	68	8	--
SW QUADRANT	8.1	34	--	174.43	16	--
RAILROAD CROSSING						
STA 492+87 TO 493+16 LT	7.7	--	--	59.07	8	3
STA 493+22 TO 496+46 LT	6.4	--	--	34.24	8	3
GEHL CROSSING						
STA 516+41 TO 516+62 LT	9.8	20	--	67	8	4
STA 516+45 TO 516+82 RT	7.3	38	--	67	8	--
PARK AVE.						
NW QUADRANT	3.2	17	--	52.33	8	--
SE QUADRANT	18.3	52	17.5	478.6	8	--
UNDISTRIBUTED	4.1	13	1	71	5	1
	192.9	**268**	**18**	**1,481**	**109**	**11**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	ADJUSTING INLET COVERS 611.8115 EACH	DRILLED TIE BARS 416.0610 EACH
STH 145		
STA 490+45 RT	1	4
TOTAL	1	4

LOCATION	BASE AGGREGATE DENSE 1 1/4 - INCH 305.0120** TON	CONCRETE CURB & GUTTER 30-INCH TYPE D 601.0411** LF	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT 601.0588 LF	CONCRETE SIDEWALK 6-INCH 602.0415 SF	ASPHALTIC CURB 465.0310 LF	CONCRETE SURFACE DRAIN 416.1010 CY
STH 145						
STA 484+78 TO 484+98 LT (DWY)	3.33	20	--	--	--	--
STA 488+89 TO 489+20 RT (DWY)	5.17	31	--	--	--	--
STA 489+63 TO 489+87 RT (DWY)	4.00	24	--	--	--	--
STA 490+41 TO 490+48 RT	0.83	5	--	--	--	--
STA 491+23 TO 491+30 LT	1.17	7	--	--	--	--
STA 493+48 TO 493+58 RT	1.67	10	--	--	--	--
STA 494+53 TO 494+89 RT (DWY)	6.00	36	--	--	--	--
STA 505+20 TO 505+37 RT (DWY)	2.10	--	--	85	--	--
STA 550+75 RT	--	--	15	--	--	2.0
STA 550+75 LT	--	--	15	--	--	2.0
STA 736+25 TO 738+75 RT	19.00	--	250	--	--	--
FOND DU LAC AVE. EAST BOUND	--	--	--	--	44	--
UNDISTRIBUTED	2.16	7	13	4	2	--
TOTAL	**45.43**	**140**	**293**	**89**	**46**	**4.0**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

DRIVEWAYS

LOCATION	BASE AGGREGATE DENSE 3/4 - INCH 305.0110** TON	ASPHALTIC SURFACE DWY AND FIELD ENTRANCES 465.0120 TON
STH 145		
STA 484+78 TO 484+98 LT (DWY)	--	5.72
STA 488+89 TO 489+20 RT (DWY)	--	1.08
STA 489+63 TO 489+87 RT (DWY)	--	4.48
STA 494+53 TO 494+89 RT (DWY)	--	4.26
STA 502+58 RT (DWY)	--	1.14
STA 503+07 RT (DWY)	--	5.22
STA 507+47 TO 508+26 RT	14.22	--
STA 508+26 TO 509+36 RT (DWY)	--	19.16
STA 508+47 LT (DWY)	--	1.08
STA 509+60 LT (DWY)	--	5.02
STA 519+14 RT (DWY)	--	0.94
STA 520+08 RT (DWY)	--	1.26
STA 521+89 RT (DWY)	--	9.90
STA 521+64 LT (DWY)	--	2.10
STA 522+28 TO 524+76 RT	36.67	--
STA 522+34 LT (DWY)	--	0.90
STA 523+01 LT (DWY)	--	6.46
STA 526+65 LT (DWY)	--	6.44
STA 528+62 TO 529+03 LT	8.56	--
STA 530+27 RT (DWY)	--	3.08
STA 530+01 TO 531+62 LT	18.57	--
STA 533+36 LT (DWY)	--	2.76
STA 534+72 LT (DWY)	--	1.42
STA 537+66 RT (DWY)	--	1.32
STA 539+55 RT (DWY)	--	1.18
STA 556+96 LT (DWY)	--	6.36
STA 559+33 LT (DWY)	--	1.94
STA 560+90 LT (DWY)	--	1.68
STA 563+86 LT (DWY)	--	13.40
STA 572+00 RT (DWY)	--	2.02
STA 574+67 LT (DWY)	--	2.24
STA 575+55 LT (DWY)	--	1.64
STA 577+13 LT (DWY)	--	1.64
STA 578+95 LT (DWY)	--	1.32
SUBTOTAL	**78.02**	**117.16**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

DRIVEWAYS (CONT.)

LOCATION	BASE AGGREGATE DENSE 3/4 - INCH 305.0110** TON	ASPHALTIC SURFACE DWY AND FIELD ENTRANCES 465.0120 TON
STH 145		
STA 579+77 LT (DWY)	--	1.22
STA 583+06 LT (DWY)	--	1.64
STA 587+87 LT (DWY)	--	1.12
STA 591+65 RT (DWY)	--	1.50
STA 595+23 RT (DWY)	--	1.60
STA 601+37 RT (DWY)	--	2.20
STA 601+89 LT (DWY)	--	1.54
STA 609+40 LT (DWY)	--	1.60
STA 613+33 RT (DWY)	--	3.58
STA614+55 LT (DWY)	--	1.90
STA 616+57 LT (DWY)	--	1.90
STA 624+21 LT (DWY)	--	1.86
STA 632+28 LT (DWY)	--	10.14
STA 638+18 LT (DWY)	--	1.32
STA 641+27 LT (DWY)	--	1.40
STA 641+68 RT (DWY)	--	3.88
STA 642+20 RT (DWY)	--	3.34
STA 661+63 RT (DWY)	--	1.36
STA 662+95 LT (DWY)	--	2.00
STA 664+56 RT (DWY)	3.65	--
STA 668+32 RT (DWY)	--	1.30
STA 669+15 LT (DWY)	--	1.30
STA 670+18 RT (DWY)	--	1.38
STA 678+22 LT (DWY)	--	2.40
STA 683+06 RT (DWY)	--	1.24
STA 684+51 RT (DWY)	--	1.12
STA 687+00 LT (DWY)	--	2.04
STA 687+22 RT (DWY)	--	1.38
STA 694+17 LT (DWY)	--	2.24
STA 694+75 LT (DWY)	--	2.50
STA 698+34 RT (DWY)	--	1.40
STA 703+56 LT (DWY)	--	5.16
STA712+60 RT (DWY)	--	1.20
STA 726+39 RT (DWY)	--	20.78
STA 727+22 LT (DWY)	--	3.24
STA 729+18 LT (DWY)	--	9.50
STA 736+18 TO 736+50 LT	4.57	--
STA 736+85 LT (DWY)	--	13.48
STA 737+15 TO 738+42 LT	13.74	--
STA 747+65 LT (DWY)	--	2.34
STA761+17 RT (DWY)	--	1.00
STA 761+86 LT (DWY)	--	2.28
STA 765+45 LT (DWY)	--	2.88
STA 772+18 RT (DWY)	--	1.04
STA 773+02 LT (DWY)	--	2.24
STA 788+84 RT (DWY)	--	1.18
STA 791+69 RT (DWY)	--	1.24
UNDISTRIBUTED	5.00	12
SUBTOTAL	**26.96**	**143.37**
TOTAL	**104.98**	**260.53**

** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

3

LOCATION	RIPRAP MEDIUM 606.0200 CY	TOPSOIL 625.0100 SY	EROSION MAT URBAN CLASS I TYPE B 628.2008 SY	SEEDING MIXTURE NO. 60 630.0160 LB	SOD WATER 631.0300 MGAL	SOD LAWN 631.1000 SY	GEOTEXTILE FABRIC TYPE HR 645.0120 SY
STH 145							
STA 484+93 TO 484+98 LT (DWY)	--	0.9	--	--	0.02	0.9	--
STA 488+89 TO 489+20 RT (DWY)	--	0.9	--	--	0.02	0.9	--
STA 489+63 TO 489+87 RT (DWY)	--	0.8	--	--	0.02	0.8	--
STA 490+41 TO 490+48 RT	--	1.6	--	--	0.04	1.6	--
STA 491+23 TO 491+30 LT	--	1.6	--	--	0.04	1.6	--
STA 493+48 TO 493+58 RT	--	2.2	--	--	0.06	2.2	--
STA 494+53 TO 494+63 RT (DWY)	--	1.9	--	--	0.05	1.9	--
STA 633+25 TO 633+70 LT	--	38.9	--	--	1.09	38.9	--
STH 145 BEAMGAURD LOCATIONS							
STA 548+25 TO 552+25 RT	1.2	--	400	3.2	--	--	4
STA 548+25 TO 553+50 LT	1.2	--	880	6.9	--	--	4
STA 674+75 TO 680+60 LT	--	--	125	1.7	--	50.0	--
STA 735+60 TO 746+25 RT	1.2	--	710	--	--	--	4
STA740+75 TO 746+75 LT	--	--	410	0.6	--	--	--
STA 779+50 TO 790+25 LT	--	--	515	7.0	--	--	--
STA 785+75 TO 788+75 RT	--	--	225	3.0	--	--	--
STH 145 PEDESTRIAN RAMPS							
FRANCES DRIVE							
NW QUADRANT	--	3.1	--	--	0.09	3.1	--
SE QUADRANT	--	3.9	--	--	0.11	3.9	--
SW QUADRANT	--	2.1	--	--	0.06	2.1	--
SYLVAN CIRCLE							
NW QUADRANT	--	9.6	--	--	0.27	9.6	--
SE QUADRANT	--	3.8	--	--	0.11	3.8	--
SW QUADRANT	--	9.7	--	--	0.27	9.7	--
RAILROAD CROSSING							
STA 492+87 TO 493+16 LT	--	5.7	--	--	0.16	5.7	--
STA 493+22 TO 496+46 LT	--	6.2	--	--	0.17	6.2	--
GEHL CROSSING							
STA 516+41 TO 516+62 LT	--	15.2	--	--	0.43	15.2	--
STA 516+45 TO 516+82 RT	--	21.6	--	--	0.60	21.6	--
PARK AVE.							
NW QUADRANT	--	2.3	--	--	0.07	2.3	--
SE QUADRANT	--	23.3	--	--	0.65	23.3	--
UNDISTRIBUTED	0.18	7.8	163	1.1	0.22	10.3	0.6
TOTALS	**3.78**	**162.9**	**3428**	**23.5**	**4.56**	**215.4**	**12.6**

PAVEMENT MARKING

LOCATION	EPOXY 4-INCH (WHITE) 646.0106 LF	EPOXY 4-INCH (YELLOW) 646.0106 LF	EPOXY SAME DAY 4-INCH (YELLOW) 646.0406 LF	EPOXY GROOVED WET REFLECTIVE 4-INCH (WHITE) 646.2304.S LF	EPOXY 6-INCH (CROSSWALK) 647.0766 LF	EPOXY ISLAND NOSE 647.0606 EACH	EPOXY DIAGONAL 12-INCH (YELLOW) 647.0726 LF	EPOXY DIAGONAL 12-INCH (WHITE) 647.0726 LF	GROOVED WET REFLECTIVE TAPE 4-INCH (12.5' LINE, 37.5' GAP) 646.0881.S LF	GROOVED WET REFLECTIVE TAPE 4-INCH (3' LINE, 9' GAP) 646.0881.S LF	GROOVED PREFORMED THERMOPLASTIC STOP LINE 18-INCH SPV.0090.01 LF	GROOVED PREFORMED THERMOPLASTIC RAILROAD CROSSINGS SPV.0060.01 EACH	GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 2 SPV.0060.02 EACH	GROOVED PREFORMED THERMOPLASTIC ARROWS TYPE 3 SPV.0060.03 EACH	GROOVED PREFORMED THERMOPLASTIC WORDS (ONLY) SPV.0060.04 EACH	GROOVED PREFORMED THERMOPLASTIC WORDS (SCHOOL ZONE) SPV.0060.04 EACH	GROOVED PREFORMED THERMOPLASTIC WORDS (SCHOOL XING) SPV.0060.04 EACH	GROOVED PREFORMED PLASTIC TAPE CHANNELIZING 8-INCH (WHITE) SPV.0090.02 LF	LOCATING NO PASSING ZONE 648.0100 MI
STH 145 ML																				
STA 481+94 TO 500+00	--	--	3,612	--	--	--	--	--	855	--	--	2	--	--	--	--	--	--	--	--
STA 500+00 TO 798+23	6,450	30,580	29,066	53,196	--	1	32	--	--	--	--	--	--	--	--	--	2	--	--	5.65
STA 482+36	--	--	--	--	106	--	--	150	--	--	--	--	--	--	--	--	--	--	--	--
STA 487+09	--	--	--	--	90	--	--	128	--	--	--	--	--	--	--	--	--	--	--	--
STA 496+50 TO 498+25	--	--	--	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--	--	--
STA 526+21	--	--	--	--	162	--	--	272	--	--	--	--	--	--	--	--	--	--	--	--
STH 145 INTERSECTIONS																				
FRANCESE DR.	--	--	--	--	100	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--
SYLVAN CIR.	--	--	--	--	100	--	--	--	--	--	22	--	--	--	--	--	--	--	--	--
PILGRIM RD / FOND DU LAC AVE.	50	410	--	--	386	2	--	583	--	--	105	--	2	2	2	2	--	150	--	
CRUSADER CT.	--	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--
CHURCH ST.	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	--	--
PARK AVE.	--	--	--	--	116	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--
FRIESTADT RD (CTH F)	115	440	--	--	--	1	--	--	--	--	76	--	--	--	--	--	--	460	--	
CENTURY LN.	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--
DIVISION RD. (CTH G)	--	136	--	--	--	3	20	--	--	--	80	--	--	--	--	--	--	225	--	
LOVERS LN.	92	126	--	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--	--	--
MAPLE RD. (N & S)	44	115	--	--	--	--	--	--	--	--	60	--	--	--	--	--	--	--	--	--
HOLY HILL RD. (E & W)	45	160	--	--	--	--	--	--	--	--	36	--	--	--	--	--	--	--	--	--
ROCKFIELD RD.	--	--	--	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	--	--
CEDAR LN.	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--
CTH Y	34	122	--	--	--	--	--	--	--	--	38	--	--	--	--	--	--	--	--	--
PIONEER RD. (E & W)	--	292	--	--	--	--	--	--	--	--	54	--	--	--	--	--	--	--	--	--
UNDISTRIBUTED	342	1,619	1,634	2,660	53	0	3	57	43	2	34	0	0	0	0	0	0	42	0.28	
SUBTOTALS	7,172	34,000	**34,312**	**55,856**	**1,113**	**7**	55	1,190	**898**	**39**	**709**	**2**	**2**	**2**	2	2	2	**877**	**5.93**	
TOTALS	**41,172**						**1,244**		**937**						**6**					

CONSTRUCTION STAKING

LOCATION	RESURFACING REFERENCE 650.8000 LF	SUPPLEMENTAL CONTROL (PROJECT) 650.9910 LS
STH 145		
STA 481+94 TO 795+65 RT & LT	31400	1
UNDISTRIBUTED	1570	--
TOTAL	**32,970**	**1**

3

TRAFFIC CONTROL

LOCATION	SAFETY FENCE 616.0700.S LF	DRUMS 643.0300* DAY	BARRICADES TYPE III 643.0420* DAY	WARNING LIGHTS TYPE A 643.0705* DAY	WARNING LIGHTS TYPE C 643.0715* DAY	ARROW BOARDS 643.0800* DAY	SIGNS 643.0900* DAY	COVERING SIGNS TYPE II 643.0920* EACH	SIGNS PCMS 643.1050* DAY	DETOUR SIGNS 643.3000* DAY	TEMPORARY PEDESTRIAN SURFACE ASPHALT 644.1410.S* SF	TEMPORARY CROSSWALK 644.1601.S* EACH	PAVEMENT MARKING TEMPORARY PAINT 4-INCH (YELLOW) 649.0402* LF	PAVEMENT MARKING TEMPORARY EPOXY 4-INCH (YELLOW) 649.0403* LF
STH 145														
STAGE 1	--	7,500	100	200	625	50	1,375	--	10	--	750	8	2,500	--
STAGE 2	--	2,550	--	--	--	--	1,785	--	--	--	--	--	59,130	31,302
RR DETOUR NB	--	--	70	--	--	--	--	15	10	770	--	--	--	--
RR DETOUR SB	--	--	70	--	--	--	--	15	10	420	--	--	--	--
UNDISTRIBUTED	100	1,330	15	15	35	5	342	2	3	60	38	1	3,082	1,565
TOTALS	**100**	**11,380**	**255**	**215**	**660**	**55**	**3,502**	**32**	**33**	**1,250**	**788**	**9**	**64,712**	**32,867**

* ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD
** ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	EROSION BALES 628.1104* EACH	SILT FENCE 628.1504* LF	SILT FENCE MAINTENANCE 628.1520 LF	MOBILIZATION EROSION CONTROL 628.1905 EACH	MOBILIZATION EMERGENCY EROSION CONTROL 628.1910 EACH	INLET PROTECTION TYPE B 628.7010* EACH	INLET PROTECTION TYPE C 628.7015* EACH	INLET PROTECTION TYPE D 628.7020* EACH	TEMPORARY DITCH CHECKS 628.7504* LF	ROCK BAGS 628.7570* EACH	TEMPORARY SEEDING 630.0200* LB
STH 145											
STA 548+25 TO 552+25 RT	30	455	114	--	--	--	--	--	--	--	--
STA 548+25 TO 553+50 LT	30	525	131	--	--	--	--	--	--	--	--
STA 674+75 TO 680+60 LT	--	575	144	--	--	--	--	--	--	--	--
STA 735+60 TO 746+25 RT	20	1085	271	--	--	--	--	--	--	--	--
STA740+75 TO 746+75 LT	20	620	155	--	--	--	--	--	--	--	--
STA 779+50 TO 790+25 LT	--	360	90	--	--	--	--	--	55	--	--
STA 785+75 TO 788+75 RT	--	75	19	--	--	--	--	--	30	--	--
PROJECT LIMITS	--	--	--	2	1	1	26	6	--	30	--
UNDISTRIBUTED	5	185	46	--	--	--	2	1	4	20	5
TOTALS	**105**	**3,880**	**970**	**2**	**1**	**1**	**28**	**7**	**89**	**50**	**5**

* ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD

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

3

GUARDRAIL ITEMS

STA	TO	STA	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3K LF	614.2340 MGS GUARDRAIL 3L LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.8010 ANCHOR POST ASSEMBLIES TOP MOUNTED EACH	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATORS REFLECTORS EACH	SPV.0035.01 BACKFILL SLURRY CY	SPV.0060.05 MGS GUARDRAIL TERMINAL EAT TL-2 EACH
507+89	TO	508+27	RT	38	--	--	--	--	--	--	--	6	12	1.0	--
522+27	TO	524+78	RT	251	--	--	--	--	--	--	--	32	64	4.5	--
524+44	TO	525+80	RT	38	--	--	--	--	--	--	--	--	--	1.0	--
528+69	TO	528+92	LT	23	--	--	--	--	--	--	--	--	--	0.5	--
530+03	TO	531+03	LT	150	--	--	--	--	--	--	--	20	40	2.5	--
549+15	TO	550+07	LT	80	1	--	--	--	39.5	1	--	--	--	1.5	--
549+34	TO	550+07	RT	80	1	--	--	--	39.5	1	--	--	--	1.5	--
550+57	TO	551+50	LT	77	1	--	--	--	39.5	1	--	--	--	1.5	--
550+57	TO	551+50	RT	73	1	--	--	--	39.5	1	--	--	--	1.5	--
630+07	TO	634+53	LT	160	--	--	--	--	--	--	--	21	42	3.0	--
665+81	TO	666+17	RT	75	--	--	--	--	--	--	--	--	--	1.5	--
676+00	TO	678+12	LT	191	2		112	--	--	2	--	--	--	3.5	--
678+40	TO	680+15	LT	107	2	--	75	--	--	2	--	--	--	2.0	--
735+81	TO	736+50	LT	70	--	--	--	--	--	--	--	10	20	1.5	--
737+16	TO	738+13	LT	97	--	--	--	--	--	--	--	17	34	2.0	--
736+75	TO	745+00	RT	700	2	606	119	--	--	2	9	--	--	12.0	--
741+50	TO	746+75	LT	440	2	269	69	--	--	2	9	--	--	7.5	--
779+61	TO	789+00	LT	814	2	--	940	100	--	2	--	--	--	14.0	--
786+90	TO	788+65	RT	122	2	--	--	100	--	1	--	--	--	2.5	1
UNDISTRIBUTED				--	--	--	--	--	--	--	--	10	20	--	--
TOTAL				3,586	16	875	1,315	200	158.0	15	18	116	232	65.0	1

BARRIER SYSTEM GRADING SHAPING FINISHING

FOR INFORMATION ONLY

STATION	TO	STATION	LOCATION	FILL C.Y.	TOPSOIL S.Y.	TYPE 30 SEEDING LB	FERTILIZER TYPE B CWT.	MULCHING S.Y.
548+50	TO	550+07	LT	25	300	5.4	--	--
548+25	TO	550+07	RT	37	390	7.0	--	--
550+57	TO	553+25	LT	72	635	11.4	--	--
550+57	TO	552+25	RT	55	450	8.1	--	--
675+00	TO	678+12	LT	11	35	0.6	0.02	--
678+38	TO	680+60	LT	15	65	--	0.04	--
735+60	*TO*	*746+25*	RT	85	410	7.4	0.10	--
741+00	*TO*	*746+55*	LT	75	50	0.9	--	--
779+50	TO	790+25	LT	120	420	3.0	0.10	--
785+75	TO	788+75	RT	5	225	--	--	--
TOTAL				500	2,980	43.8	0.26	--

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	R3-2 (2S)		24	X	24	4.000				1		1		1		SHEET 1A
2	R3-2 (2S)		24	X	24	4.000				1		1		1		SHEET 1A
3	R3-4 (2S)		24	X	24	4.000									1	MOUNT ON OTHER SIDE OF POST
4	R3-4 (2S)		24	X	24	4.000				1		1		1		
5	R3-4 (2S)		24	X	24	4.000				1		1		1		SHEET 1
6	W11-2 (2S)		30	X	30		6.250					1				MOUNT ON LIGHT POLE
6a	W16-9P (2S)		24	X	12		2.000								6	MOUNT BELOW SIGN NO. 6
7	R7-1L (2S)		18	X	24	3.000								1		SHEET 1A
8	JV3-2 (2S)		48	X	93	31.000						1		2		MOUNT IN FRONT OF LIGHT POLE
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
	M3-2		24	x	12											
	M1-6	STH 167	24	x	24											
	M6-1		21	x	21											
	M3-4		24	x	12											
	M1-6	STH 167	24	x	24											
	M6-2		21	x	21											
9	R4-7R (2S)		24	X	30	5.000									5	MOUNT ON OTHER SIDE OF POST
10	W11-2 (2S)		30	X	30		6.250			1		1		1		
11	W16-7L (2S)		24	X	12		2.000								10	
12	R5-2 (2S)		24	X	24	4.000						1				MOUNT ON LIGHT POLE
13	R7-1D (2S)		18	X	24	3.000						1			12	MOUNT ON SAME POLE AS SIGN NO. 12
14	R1-1 (2S)		36	X	36	7.460				1		1		1		
15	W4-4P (2S)		24	X	12		2.000								14	
16	R1-1 (2S)		36	X	36	7.460				1		1		1		
17	W4-4P (2S)		24	X	12		2.000								16	
18	J3-1 (2S)		24	X	36	6.000						1				MOUNT ON LIGHT POLE
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
19	R7-1D (2S)		18	X	24	3.000				1		1		1		
20	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		

3

SHEET: 1 OF 16

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
21	W3-3 (2S)		36	X	36		9.000			1		1		1		
22	R1-1 (2S)		30	X	30	5.180						1				
23	R7-1D (2S)		18	X	24	3.000				1		1		1		
24	NOT USED															
25	W11-2 (2S)		30	X	30		6.250			1		1		1		
26	W16-7L (2S)		24	X	12		2.000								25	
27	R1-1 (2S)		30	X	30	5.180				1		1		1		
28	R1-1 (2S)		30	X	30	5.180				1		1		1		
29	W4-4P (2S)		24	X	12		2.000								27	
30	W4-4P (2S)		24	X	12		2.000								28	
31	R7-1D (2S)		18	X	24	3.000				1		1		1		
32	W11-2 (2S)		30	X	30		6.250			1		1		1		
32a	W16-9P (2S)		24	X	12		2.000								32	MOUNT BELOW SIGN NO. 32
33	R7-1D (2S)		18	X	24	3.000								1		
34	W10-1 (2S)		36	X	36		7.070			1		1		1		
35	R1-2 (2S)		36	X	31	3.875				1		1		1		SHEET 1A
36	R6-2L (2S)		24	X	30	5.000						1				MOUNT ON SIGNAL POLE
37	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE
38	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE
39	R4-7 (2S)		24	X	30	5.000						1			38	MOUNT ON SIGNAL POLE OPPOSITE NO. 38
40	R5-2 (2S)		24	X	24	4.000						1			38	MOUNT ON SIGNAL POLE BELOW NO. 39
41	R5-2A (2S)	OVER 4 TONS	24	X	12	2.000						1			38	MOUNT ON SIGNAL POLE BELOW NO. 40
42	R1-2 (2S)		36	X	31	3.875				1		1	1			
43	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE
44	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE
45	R4-7 (2S)		24	X	30	5.000									44	MOUNT ON SIGNAL POLE OPPOSITE NO. 44
46	M1-94S	STH 145 Pilgrim Rd	78	X	18	9.750						1				MOUNT ON APPROPRIATE MAST ARM
47	M1-94S	STH 167 Mequon Rd	78	X	18	9.750						1				MOUNT ON APPROPRIATE MAST ARM
48	M1-94S	STH 167 Mequon Rd	78	X	18	9.750						1				MOUNT ON APPROPRIATE MAST ARM
49	M1-94S	STH 145 Pilgrim Rd	78	X	18	9.750						1				MOUNT ON APPROPRIATE MAST ARM
50	R4-7 (2S)		24	X	30	5.000				1		1	1			
51	R4-7 (2S)		24	X	30	5.000						1				MOUNT ON SIGNAL POLE
52	R1-1F (3)		36	X	36			7.460				1			51	MOUNT ON SIGNAL POLE OPPOSITE NO. 51
53	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
54	J3-1 (2S)		24	X	57	9.500						1				MOUNT ON STREET LIGHT POLE
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
	M6-2		21	x	21											
55	R4-7 (2S)		24	X	30	5.000						1				MOUNT ON SIGNAL POLE
56	R1-1F (3)		36	X	36			7.460				1			55	MOUNT ON SIGNAL POLE OPPOSITE NO. 55
57	R1-1F (3)		36	X	36			7.460				1				MOUNT ON SIGNAL POLE
58	R6-2L (2S)		24	X	30	5.000						1				MOUNT ON SIGNAL POLE
59	R1-2 (2S)		36	X	31	3.875				1		1		1		
60	R7-1D (2S)		18	X	24	3.000				1		1		1		SHEET 2
61	R7-1D (2S)		18	X	24	3.000				1		1		1		
62	R7-1D (2S)		18	X	24	3.000				1		1		1		
63	R7-1D (2S)		18	X	24	3.000								1		
64	W10-1 (2S)		36	X	36		7.070			1		1		1		
65	S1-1 (2S)		36	X	36		6.750			1		1		1		
66	S16-9P (2S)		30	X	18		3.750								65	MOUNT BELOW SIGN NO. 65
67	R2-6P (2S)		24	X	18	3.000									65	MOUNT BELOW SIGN NO. 66
68	W14-3 (2S)		48	X	36		6.000								65	MOUNT ON OTHER SIDE OF SIGN NO. 65
69	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000								1		
70	S5-2 (2S)		24	X	30	5.000									69	
71	R7-1D (2S)		18	X	24	3.000								1		
72	J2-1 (2S)		24	X	57	9.500								1		
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
	M5-1L		21	x	21											
73	J4-1 (2S)		24	X	36	6.000						1		1		REMOVE SIGN FROM UTILITY POLE
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
74	R7-1D (2S)		18	X	24	3.000								1		
75	R7-1D (2S)		18	X	24	3.000				1		1		1		
76	R7-1L (2S)		18	X	24	3.000								1		

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
77	R1-2 (2S)		36	X	31	3.875				1		1		1		SHEET 3
78	S4-51 (2S)	SPEED LIMIT 15	24	X	48		8.000			1		1		1		
79	J3-1 (2S)		24	X	57	9.500				1		1		1		
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
	M6-1		21	x	21											
80	J3-1 (2S)		24	X	57	9.500									79	MOUNT PERPENDICULAR TO SIGN NO. 79,
	M3-3		24	x	12											FACING SB WIS 145 APPROACH
	M1-6	STH 145	24	x	24											
	M6-1		21	x	21											
81	R7-1R (2S)		18	X	24	3.000								1		
82	J4-1 (2S)		24	X	36	6.000								1		
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
83	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		
84	S5-2 (2S)		24	X	30	5.000									83	
85	R1-1 (3)		36	X	36	7.460				1		1		1		
86	R7-51L (2S)		18	X	24	3.000				1		1		1		SIGN FACES TOWARD INTERSECTION
87	R1-1 (3)		36	X	36	7.460				1		1		1		
88	R1-3P (3)		18	X	6	0.750									87	MOUNT BELOW R1-1
89	R1-1 (3)		36	X	36	7.460				1		1		1		
90	R1-3P (3)		18	X	6	0.750									89	MOUNT BELOW R1-1
91	R1-1 (3)		36	X	36	7.460				1		1		1		
92	R1-3P (3)		18	X	6	0.750									91	MOUNT BELOW R1-1
93	R1-1 (3)		36	X	36	7.460				1		1		1		
94	R1-3P (3)		18	X	6	0.750									93	MOUNT BELOW R1-1
95	S1-1 (2S)		36	X	36		6.750			1		1		1		SHEET 4
96	S16-9P (2S)		30	X	18		3.750								95	MOUNT BELOW S1-1
97	R2-6P (2S)		24	X	18	3.000									95	MOUNT BELOW S16-9P
98	R7-1D (2S)		18	X	24	3.000									95	MOUNT ON SIDE FACING ROADWAY
99	J2-1 (2S)		24	X	57	9.500								1		
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
	M5-1R		21	x	21											
100	R7-1D (2S)		18	X	24	3.000						1		1		REMOVE SIGN FROM UTILITY POLE
101	R7-51L (2S)		18	X	24	3.000						1				MOUNT ON LIGHT POLE
102	W3-1 (2S)		36	X	36		9.000					1		1		MOUNT IN FRONT OF LIGHT POLE

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
103	R1-1 (2S)		30	X	30	5.180						1				MOUNT ON LIGHT POLE
104	R7-1R (2S)		18	X	24	3.000						1			103	MOUNT BELOW SIGN NO. 103
105	R7-1D (2S)		18	X	24	3.000						1				MOUNT ON LIGHT POLE
106	NOT USED															
107	J4-1 (2S)		24	X	36	6.000						1		1		REMOVE SIGN FROM UTILITY POLE
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
108	R2-1 (2S)	SPEED LIMIT 25	24	X	30	5.000						1				MOUNT ON POLE
109	R5-2 (2S)		24	X	24	4.000						1			108	
110	R7-1D (2S)		18	X	24	3.000								1		
111	R7-1D (2S)		18	X	24	3.000								1		
112	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		
113	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		
114	R7-1D (2S)		18	X	24	3.000				1		1		1		
115	W2-2 (2S)		30	X	30		6.250					1		1		REMOVE SIGN FROM UTILITY POLE
116	R7-1D (2S)		18	X	24	3.000				1		1		1		
117	R4-7 (2S)		24	X	30	5.000				1		1		1		
118	R1-1 (2S)		30	X	30	5.180				1		1		1		
119	R1-1 (2S)		30	X	30	5.180									117	MOUNT ON OPPOSITE SIDE OF SIGN NO. 117
120	R4-7 (2S)		24	X	30	5.000				1		1		1		
121	W5-52L (2S)		12	X	36		3.000								120	MOUNT ON OPPOSITE SIDE OF SIGN NO. 120
122	R7-52L (2S)		18	X	24	3.000				1		1		1		
123	R7-52R (2S)		18	X	24	3.000				1		1		1		
124	R1-1 (2S)		30	X	30	5.180				1		1		1		
125	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		
126	S1-1 (2S)		36	X	36		6.750			1		1		1		MOUNT ABOVE SIGN NO. 127
127	S16-9P (2S)		30	X	18		3.750								126	
128	R2-6P (2S)		24	X	18	3.000									126	MOUNT BELOW SIGN NO. 127
129	W2-1 (2S)		30	X	30		6.250			1		1		1		
130	S4-51 (2S)	SPEED LIMIT 20	24	X	48		8.000					1				MOUNT ON SIGNAL POLE
131	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000				1		1		1		
132	S5-2 (2S)		24	X	30	5.000									131	
133	R5-2 (2S)		24	X	24	4.000				1		1		1		
134	R1-1 (2S)		30	X	30	5.180				1		1		1		
135	R2-1 (2S)	SPEED LIMIT 30	24	X	30	5.000								1		
136	S5-2 (2S)		24	X	30	5.000									135	

SHEET: 5 OF 16

PROJECT NO: 2475-12-60	HWY: WIS 145	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES—TYPE II PERMANENT SIGNING	SHEET:	E

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
137	W5-52R (2S)		12	X	36		3.000							1		MOUNT IN FRONT OF UTILITY POLE
138	S1-1 (2S)		36	X	36		6.750			1		1		1		
139	S1-1 (2S)		36	X	36		6.750			1		1		1		
140	S16-7L (2S)		30	X	18		3.750								138	
141	S16-7L (2S)		30	X	18		3.750								139	
142	R1-1 (3)		36	X	36	7.460				1		1		1		
143	S4-51 (2S)	SPEED LIMIT 20	24	X	48		8.000					1				MOUNT ON SIGNAL POLE
144	SP	NO U-TURN	--	X	--						1				126	PLACE ON POST OF SIGN NO. 126 BELOW THE OTHER SIGNS ON THE POST
145	SP	NO U-TURN	--	X	--						1				126	PLACE ON POST OF SIGN NO. 126 FACING THE OPPOSITE WAY OF SIGN NO. 144
146	NOT USED															
147	R3-20R (2S)		24	X	36	6.000							1			SHEET 6
148	W2-1 (2S)		30	X	30		6.250					1		1		REMOVE SIGN FROM UTILITY POLE
149	S1-1 (2S)		36	X	36		6.750			1		1		1		
150	S16-9P (2S)		30	X	18		3.750								149	
151	R2-6P (2S)		24	X	18	3.000									149	
152	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
153	R2-1 (3)	SPEED LIMIT 30	36	X	48	12.000				1		1	1			
154	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH F	24	x	24											
155	D7-68L (2)	Homestead Hollow County Park	90	X	36	22.500				2		1	2			
156	W1-4R (2S)		30	X	30		6.250			1		1	1			
157	W3-5 (2S)	SPEED LIMIT 30	36	X	36		9.000			1		1	1			
158	W2-1 (2S)		30	X	30		6.250			1		1	1			
159	W13-1 (2S)	35 MPH	18	X	18		2.250								158	
160	W1-6 (2S)		48	X	24		8.000						1			SHEET 7
161	J4-1 (2S)		24	X	36	6.000				1		1	1			
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
162	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH F	24	x	24											
	M6-1		21	x	21											
163	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-6	STH 145	24	x	24											
	M6-4		21	x	21											

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
164	R1-1 (3)		36	X	36	7.460				1		1	1			
165	R5-1C (3)	DO NOT ENTER	36	X	36	7.460									164	ON OTHER SIDE OF R1-1
166	J4-1 (2S)		24	X	36	6.000							1			SHEET 8
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
167	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH F	24	x	24											
	M6-1		21	x	21											
168	W1-6 (2S)		48	X	24		8.000						1			
169	R1-1 (3)		36	X	36	7.460				1		1	1			
170	R1-1 (3)		36	X	36	7.460				1		1	1			
171	R1-1 (3)		36	X	36	7.460				1		1	1			
172	W5-52R (2S)		12	X	36		3.000			1		1	1			SHEET 8
173	W5-52R (2S)		12	X	36		3.000			1		1	1			SHEET 8
174	W1-6 (2S)		48	X	24		8.000						1			
175	D7-68R (2)	Homestead Hollow County Park	90	X	36	22.500				2		1	2			
176	W1-6 (2S)		48	X	24		8.000						1			
177	R1-1 (2S)		30	X	30	5.180				1		1	1			
178	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH F	24	x	24											
179	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH G	24	x	24											
180	W1-4R (2S)		30	X	30		6.250			1		1	1			
181	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
182	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
183	W2-1 (2S)		30	X	30		6.250			1		1	1			
184	W2-1 (2S)		30	X	30		6.250			1		1	1			
185	NOT USED															
186	J4-1 (2S)		24	X	36	6.000							1			
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
187	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH G	24	x	24											
	M6-1		21	x	21											
188	R4-7 (2S)		24	X	30	5.000				1		1	1			
189	W12-1R (2S)		24	X	24		4.000								188	MOUNT BELOW R4-7
190	R1-1 (3)		36	X	36	7.460				1		1	1			

SHEET: 7 OF 16

PROJECT NO: 2475-12-60	HWY: WIS 145	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES—TYPE II PERMANENT SIGNING	SHEET:	E

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
191	J4-1 (2S)		24	X	36	6.000							1			SHEET 15
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
192	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-6	STH 145	24	x	24											
	M6-4		21	x	21											
193	R5-1 (2S)		30	X	30	6.250				1		1	1			
194	J4-1 (2S)		24	X	36	6.000							1			
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
195	R1-1 (3)		36	X	36	7.460				1		1	1			
196	R1-1 (3)		36	X	36	7.460				1		1	1			
197	R1-1 (3)		36	X	36	7.460				1		1	1			
198	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH G	24	x	24											
	M6-1		21	x	21											
199	R4-7 (2S)		24	X	30	5.000				1		1	1			
200	W5-52L (2S)		12	X	36		3.000								199	MOUNT BELOW SIGN NO. 199
201	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
202	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1				
203	W2-1 (2S)		30	X	30		6.250			1		1	1			
204	W2-1 (2S)		30	X	30		6.250			1		1	1			
205	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH G	24	x	24											
206	W14-3 (2S)		48	X	36		6.000			1		1	1			
207	W14-3 (2S)		48	X	36		6.000			1		1	1			
208	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
209	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
210	R1-1 (2S)		30	X	30	5.180				1		1	1			
211	W1-7 (2S)		48	X	24		8.000						1			
212	W14-3 (2S)		48	X	36		6.000			1		1	1			
213	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
214	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
215	W14-3 (2S)		48	X	36		6.000			1		1	1			
216	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
217	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
218	W3-5 (2S)	SPEED LIMIT 35	36	X	36		9.000			1		1	1			
219	W14-3 (2S)		48	X	36		6.000			1		1	1			
220	R2-1 (2S)	SPEED LIMIT 35	24	X	30	5.000				1		1	1			
221	D1-2	West Bend (UP ARROW) Richfield (LEFT ARROW)	78	X	30	16.250				2		1	2			
222	W2-1 (2S)		30	X	30		6.250			1		1	1			
223	W5-52R (2S)		12	X	36		3.000			1		1	1			
224	D1-1	HOLY HILL RD MAPLE RD (DOUBLE ARROWS)	78	X	36	19.500							2			
225	R2-1 (2S)	SPEED LIMIT 45	24	X	30	5.000				1		1	1			
226	W14-3 (2S)		48	X	36		6.000			1		1	1			
227	W2-1 (2S)		30	X	30		6.250			1		1	1			
228	R2-1 (2S)	SPEED LIMIT 35	24	X	30	5.000				1		1	1			SHEET 15
229	J4-1 (2S)		24	X	36	6.000							1			SHEET 16
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
230	NOT USED															
231	R1-1 (3)		36	X	36	7.460				1		1	1			SHEET 15
232	R1-1 (3)		36	X	36	7.460				1		1	1			SHEET 15
233	R1-1 (3)		36	X	36	7.460				1		1	1			SHEET 15
234	R1-1 (3)		36	X	36	7.460				1		1	1			SHEET 15
235	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								231	MOUNT BELOW AND ON SAME SIDE AS R1-1
236	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								232	MOUNT BELOW AND ON SAME SIDE AS R1-1
237	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								233	MOUNT BELOW AND ON SAME SIDE AS R1-1
238	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								234	MOUNT BELOW AND ON SAME SIDE AS R1-1
239	R2-1 (2S)	SPEED LIMIT 35	24	X	30	5.000				1		1	1			
240	W5-52R (2S)		12	X	36		3.000						1			
241	W1-2R (2S)		30	X	30		6.250						1			
242	D1-1	HOLY HILL RD MAPLE RD (DOUBLE ARROWS)	78	X	36	19.500							2			
243	W2-1 (2S)		30	X	30		6.250			1		1	1			
244	R2-1 (2S)	SPEED LIMIT 55	24	X	30	5.000				1		1	1			
245	D2-2 (2S)	Hwy 45 3 Hwy 41 4	66	X	24	11.000				2		1	2			
246	R2-1 (3)	SPEED LIMIT 35	36	X	48	12.000				1		1	1			
247	W3-5 (2S)	SPEED LIMIT 35	36	X	36		9.000			1		1	1			
248	W1-2L (2S)		30	X	30		6.250						1			
249	W13-1 (2S)	50 MPH	18	X	18		2.250								248	

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
250	D1-1	ROCKFIELD RD (RIGHT ARROW)	96	X	15	10.000							2			
251	R1-1 (2S)		30	X	30	5.180				1		1	1			
252	D1-1	ROCKFIELD RD (LEFT ARROW)	96	X	15	10.000							2			
253	W11-6F (2S)		30	X	30				6.250	1		1	1			KEEP FOLDED AFTER MOUNTING ON POST
254	W1-2L (2S)		30	X	30		6.250			1		1	1			
255	W13-1 (2S)	50 MPH	18	X	18		2.250								254	
256	W1-6 (2S)		48	X	24		8.000						1			
257	W1-6 (2S)		48	X	24		8.000						1			
258	R2-1 (2S)	SPEED LIMIT 55	24	X	30	5.000							1			
259	I2-3 (2)	Germantown Population 19749	78	X	24	13.000				2		1	2			
260	W1-2R (2S)		30	X	30		6.250			1		1	1			
261	W13-1 (2S)	50 MPH	18	X	18		2.250								260	
262	W14-3 (2S)		48	X	36		6.000			1		1	1			
263	W14-3 (2S)		48	X	36		6.000			1		1	1			
264	D1-1	CEDAR LANE (RIGHT ARROW)	84	X	15	8.750							2			
265	R2-1 (2S)	SPEED LIMIT 55	24	X	30	5.000							1			
266	R7-1L (2S)		18	X	24	3.000				1		1	1			
267	R7-1R (2S)		18	X	24	3.000				1		1	1			
268	R1-1 (2S)		30	X	30	5.180				1		1	1			
269	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-6	STH 145	24	x	24											
	M6-4		21	x	21											
270	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH Y	24	x	24											
271	R7-1D (2S)		18	X	24	3.000							1			
272	D1-1	CEDAR LANE (LEFT ARROW)	84	X	15	8.750							2			
273	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH Y	24	x	24											
	M6-1		21	x	21											
274	R7-1D (2S)		18	X	24	3.000							1			
275	W5-52R (2S)		12	X	36		3.000			1		1	1			
276	J4-1 (2S)		24	X	36	6.000							1			
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
277	W1-7 (2S)		48	X	24		8.000			1		1	1			

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
278	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-6	STH 145	24	x	24											
	M6-4		21	x	21											
279	R7-1R (2S)		18	X	24	3.000									278	MOUNT PERPENDICULAR TO SIGN NO. 278
280	R7-1L (2S)		18	X	24	3.000									278	MOUNT ON BACK SIDE OF SIGN NO. 278
281	R1-1 (2S)		36	X	36	5.180				1		1	1			
282	J4-1 (2S)		24	X	36	6.000							1			
	M3-1		24	x	12											
	M1-6	STH 145	24	x	24											
283	R7-1D (2S)		18	X	24	3.000				1		1	1			
284	J3-1 (2S)		24	X	45	7.500				1		1	1			
	M1-5A	CTH Y	24	x	24											
	M6-2		21	x	21											
285	R7-1D (2S)		18	X	24	3.000							1			
286	R7-1D (2S)		18	X	24	3.000				1		1	1			
287	R7-1D (2S)		18	X	24	3.000				1		1	1			
288	W14-3 (2S)		48	X	36		6.000			1		1	1			
289	R7-1R (2S)		18	X	24	3.000				1		1	1			
290	J1-1 (2S)		24	X	39	6.500							1			
	M2-1		21	x	15											
	M1-5A	CTH Y	24	x	24											
291	R7-1L (2S)		18	X	24	3.000				1		1	1			
292	W14-3 (2S)		48	X	36		6.000			1		1	1			SHEET 24
293	W2-1 (2S)		30	X	30		6.250						1			SHEET 25
294	D1-61	PIONEER RD (DOUBLE ARROWS)	78	X	24	13.000							2			
295	W1-4R (2S)		30	X	30		6.250						1			
296	W13-1 (2S)	45 MPH	18	X	18		2.250								295	
297	W1-6 (2S)		48	X	24		8.000						1			
298	R1-1 (2S)		30	X	30	5.180				1		1	1			
299	R1-1 (2S)		30	X	30	5.180				1		1	1			
300	W1-6 (2S)		48	X	24		8.000						1			
301	W1-6 (2S)		48	X	24		8.000						1			
302	W1-6 (2S)		48	X	24		8.000						1			
303	D1-61	PIONEER RD (DOUBLE ARROWS)	78	X	24	13.000							2			
304	W5-52R (2S)		12	X	36		3.000			1		1	1			
305	W5-52R (2S)		12	X	36		3.000			1		1	1			

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
306	W2-1 (2S)		30	X	30		6.250			1		1	1			
307	W1-2L (2S)		30	X	30		6.250			1		1	1			
308	W3-5 (2S)	SPEED LIMIT 40	36	X	36		9.000			1		1	1			
309	W1-4R (2S)		30	X	30		6.250			1		1	1			
310	W13-1 (2S)	45 MPH	18	X	18		2.250								309	
311	W6-1 (2S)		36	X	36		9.000			1		1	1			
312	W6-3 (2S)		36	X	36		9.000			1		1	1			
313	R2-1 (3)	SPEED LIMIT 40	36	X	48	12.000				1		1	1			
314	R2-1 (2S)	SPEED LIMIT 55	24	X	30	5.000				1		1	1			
315	R5-1 (2S)		30	X	30	6.250				1		1	1			
316	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH P	24	x	24											
317	D1-1	SHADOW LANE (LEFT ARROW)	90	X	15	9.375				2		1	2			
318	W6-2 (2S)		36	X	36		9.000			1		1	1			
319	R4-7 (3)		36	X	48	12.000				1		1	1			
320	W5-54 (2S)		18	X	18		2.250								319	
321	R5-1 (2S)		30	X	30	6.250				1		1	1			MOUNT ON EB-FACING SIDE
322	J3-1 (2S)		24	X	57	9.500									321	MOUNT ON WB-FACING SIDE
	M3-1		24	x	12											
	M1-5A	CTH P	24	x	24											
	M6-1		21	x	21											
323	R4-7 (2S)		24	X	30	5.000				1		1	1			
324	R6-2L (2S)		24	X	30	5.000				1		1	1			
325	J4-1 (2S)		24	X	36	6.000				1		1	1			
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
326	W12-1L (2S)		24	X	24		4.000			1		1	1			SHEET 29
327	R1-1 (3)		36	X	36	7.460				1		1	1			
328	R6-3 (2S)		30	X	24	5.000									327	
329	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								327	
330	W12-1D (2S)		24	X	24		4.000			1		1	1			2 FOOT MOUNTING HEIGHT
331	R5-1 (2S)		30	X	30	6.250				1		1	1			

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
332	R1-2 (2S)		36	X	31	3.875				1		1	1			
333	W4-4C (2S)	TRAFFIC ON 145 DOES NOT STOP	24	X	12		2.000								332	
334	R6-2L (2S)		24	X	30	5.000				1		1	1			
335	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000				1		1	1			
336	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-4	US 45	24	x	24											
337	R5-1A (2S)		36	X	24	6.000				1		1	1			
338	J3-1 (2S)		24	X	57	9.500				1		1	1			
	M3-1		24	x	12											
	M1-5A	CTH P	24	x	24											
	M6-1		21	x	21											
339	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000									338	MOUNT ON OPPOSITE SIDE OF SIGN NO. 338
340	R5-1 (2S)		30	X	30	6.250				1		1	1			
341	R4-7 (2S)		24	X	30	5.000				1		1	1			
342	R1-1 (3)		36	X	36	7.460				1		1	1			
343	R6-3 (2S)		30	X	24	5.000									342	
344	W1-2R (2S)		30	X	30		6.250			1		1	1			SHEET 30
345	J4-1 (2S)		24	X	36	6.000				1		1	1			
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
346	D1-1	SHADOW LANE (RIGHT ARROW)	90	X	15	9.375				2		1	2			
347	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000				1		1	1			
348	J1-1 (2S)		24	X	39	6.500				1		1	1			
	M2-1		21	x	15											
	M1-5A	CTH P	24	x	24											
349	W3-2 (2S)		36	X	36		9.000			1		1	1			
350	W3-2 (2S)		36	X	36		9.000			1		1	1			
351	R2-1 (2S)	SPEED LIMIT 40	24	X	30	5.000				1		1	1			
352	W2-6 (2S)		30	X	30		6.250			1		1	1			SHEET 29
353	W2-6P (2S)		30	X	15		3.125								352	
354	W13-1 (2S)	15 MPH	18	X	18		2.250								352	MOUNT BELOW SIGN NO. 353
355	NOT USED															
356	W1-6 (2S)		48	X	24		8.000						1			SHEET 17

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
357	J3-2 (2S)		24	X	114	19.000				1		1	1			SHEET 29
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
	M6-1		21	x	21											
	M4-5		24	x	12											
	M1-5A	CTH FD	24	x	24											
	M6-1		21	x	21											
358	NOT USED															
359	NOT USED															
360	NOT USED															
361	NOT USED															
362	W12-1D (2S)		24	X	24		4.000			1		1	1			SHEET 1A; 2 FOOT MOUNTING HEIGHT
363	R5-2 (2S)		24	X	24	4.000						1				SHEET 1A; MOUNT ON SIGNAL POLE ON SIDE FACING SB TRAFFIC
364	R5-2 (2S)		24	X	24	4.000						1			363	SHEET 1A; MOUNT ON SIGNAL POLE ON SIDE FACING EB TRAFFIC
365	R5-2A (2S)	4 TONS OR OVER	24	X	12	2.000						1			363	MOUNT ON SIGNAL POLE ON SIDE FACING SB TRAFFIC
366	R5-2A (2S)	4 TONS OR OVER	24	X	12	2.000						1			363	MOUNT ON SIGNAL POLE ON SIDE FACING EB TRAFFIC
367	R6-2L (2S)		24	X	30	5.000						1			363	MOUNT ON SIGNAL POLE ON SIDE FACING WB TRAFFIC
368	JV2-2 (2S)		48	X	93	31.000								2		SHEET 1
	M3-3		24	x	12											
	M1-6	STH 145	24	x	24											
	M3-2		24	x	12											
	M1-6	STH 167	24	x	24											
	M5-1L		21	x	21											
	M3-4		24	x	12											
	M1-6	STH 167	24	x	24											
	M5-2R		21	x	21											
369	J1-1 (2S)		24	X	39	6.500									12	PLACE ABOVE SIGN NO.12
	M2-1		21	x	15											
	M1-6	STH 167	24	x	24											
370	R3-8A (2S)		36	X	30	7.500				1		1		1		SHEET 2
371	R7-201aP (2S)		12	X	6	0.500									19	SHEET 1
372	NOT USED															
373	NOT USED															

SHEET: 14 OF 16

PROJECT NO: 2475-12-60	HWY: WIS 145	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES—TYPE II PERMANENT SIGNING	SHEET:	E

TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
374	R7-201aP (2S)		12	X	6	0.500									60	SHEET 2
375	R1-2 (2S)		36	X	31	3.875				1		1	1			SHEET 1A
376	R5-2 (2S)		24	X	24	4.000						1		1		SHEET 5; MOUNT IN FRONT OF LIGHT POLE
377	SP	ILLEGAL SIGN	--	X	--							1				SHEET 1A
378	SP	MACARTHUR SCHOOL	--	X	--						1					SHEET 2; MOUNT BELOW THE VILLAGE SIGN (FIREMENS' PARK)
379	NOT USED															
380	R7-201aP		--	X	--					1		1				SHEET 2
381	W1-7 (2S)		48	X	24		8.000						1			SHEET 22
382	SP	WE NEED YOU...BUCKLE UP	--	X	--							1				SHEET 20
383	R2-1 (2S)	SPEED LIMIT 40	--	X	--					1	1		1			SHEET 22
384	R5-2 (2S)		--	X	--						1					SHEET 22
385	NOT USED															
386	J2-1		--	X	--					1		1				SHEET 28
	M3-1		--	x	--											
	M1-5A	CTH P	--	x	--											
	M5-1R		--	x	--											
387	J2-1		--	X	--					1		1				
	M3-1		--	x	--											SHEET 30
	M1-5A	CTH P	--	x	--											
	M5-1L		--	x	--											
388	NOT USED															
389	NOT USED															
390	NOT USED															
391	NOT USED															
392	R7-201aP (2S)		12	X	6	0.500									23	SHEET 1
393	R7-201aP (2S)		12	X	6	0.500									31	SHEET 1
394	R7-201aP (2S)		12	X	6	0.500									12	SHEET 1; MOUNT BELOW OTHER SIGNS
395	R7-201aP (2S)		12	X	6	0.500									61	SHEET 2
396	R7-201aP (2S)		12	X	6	0.500									62	SHEET 2
397	R7-201aP (2S)		12	X	6	0.500									63	SHEET 2
398	R7-201aP (2S)		12	X	6	0.500									75	SHEET 2

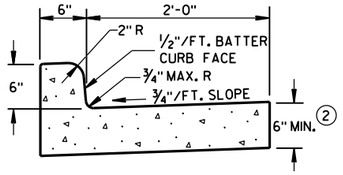
TYPE II PERMANENT SIGNING - **Category Code 0010** **2475-12-60 WIS 145 (Mequon Road to County P)**

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II REFLECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	637.2235 SIGNS TYPE II REFLECTIVE F FOLDING [SF]	638.3000 REM SMALL SIGN SUP [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REM SIGNS TYPE II [EA]	634.0618 WOOD POSTS 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
399	R1-1 (3)		36	X	36	7.460									86	MOUNT ON OPPOSITE SIDE OF SIGN NO. 86
400	D1-61	Pilgrim Road (DOUBLE ARROWS)	72	X	24	12.000								2		
401	R1-1 (3)		36	X	36	7.460							1			SHEET 15
402	R1-1 (3)		36	X	36	7.460							1			SHEET 15
403	R1-1 (3)		36	X	36	7.460							1			SHEET 15
404	R1-1 (3)		36	X	36	7.460							1			SHEET 15
405	W1-6 (2S)		48	X	24		8.000						1			SHEET 16
406	W1-7 (2S)		48	X	24		8.000						1			SHEET 17
407	NOT USED															
408	R1-1 (2S)		30	X	30	5.180							1			SHEET 26
409	R1-1 (2S)		30	X	30	5.180							1			SHEET 26
410	W11-2 (2S)		30	X	30		6.250							1		SHEET 4
410A	W16-9P (2S)		24	X	12		2.000									UNDER SIGN NO. 410
411	W11-2 (2S)		30	X	30		6.250							1		SHEET 5
411A	W16-9P (2S)		24	X	12		2.000									UNDER SIGN NO. 411
412	W5-54 (2S)		18	X	18		2.250									SHEET 1; MOUNT BELOW SIGN NO. 9
413	W5-54 (2S)		18	X	18		2.250									SHEET 1A; MOUNT BELOW SIGN NO. 50
414	R3-7L(3)		36	X	36	9.000										SHEET 2; MOUNT ABOVE SIGN NO. 61
415	R3-7L(3)		36	X	36	9.000										SHEET 2; MOUNT ABOVE SIGN NO. 74
UNDISTRIBUTED						--							2	3	--	--
TOTALS						1531.440	685.265	59.680	6.250	213	5	253	210	90	--	--

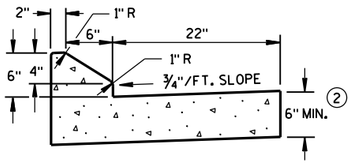
Standard Detail Drawing List

08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D02-06	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-16A	CURB RAMPS TYPES 1 AND 1-A
08D05-16B	CURB RAMPS TYPES 2 AND 3
08D05-16C	CURB RAMPS TYPES 4A AND 4A1
08D05-16D	CURB RAMPS TYPE 4B AND 4B1
08D05-16E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
14B15-08A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-08C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B24-08A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-08C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B25-01	STEEL PLATE BEAM GUARD, CLASS "A", OVER LOW FILL CULVERTS
14B29-01	SAFETY EDGE
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-03A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-02B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-02C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

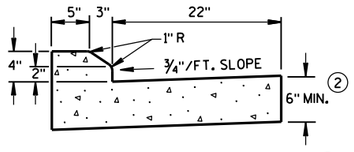
6



TYPES A & D ①

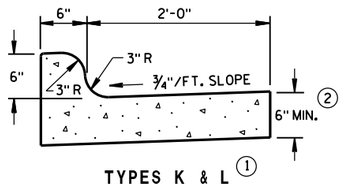


6" SLOPED CURB TYPES G & J ①

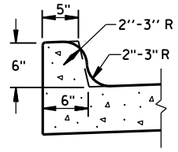


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

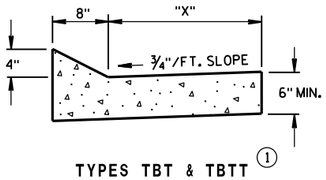


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

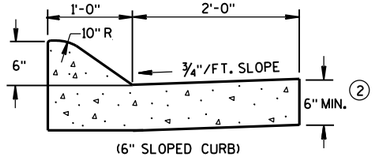
CONCRETE CURB & GUTTER 30"



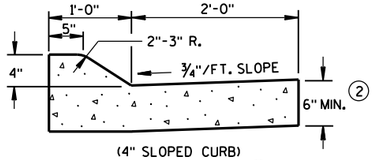
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

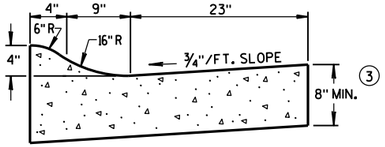


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ④

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

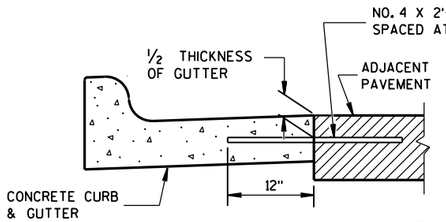
① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

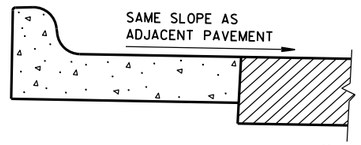
③ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

④ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

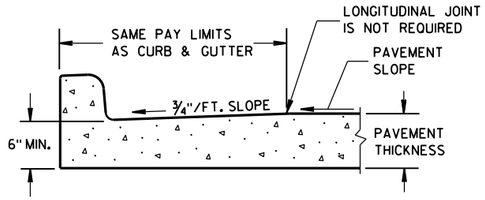
⑤ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



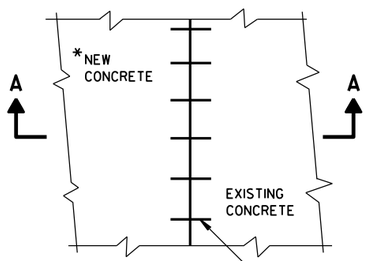
TYPICAL TIE BAR LOCATION ①



REVERSE SLOPE GUTTER ⑤
(TYPICAL FOR ALL CURB & GUTTER TYPES)

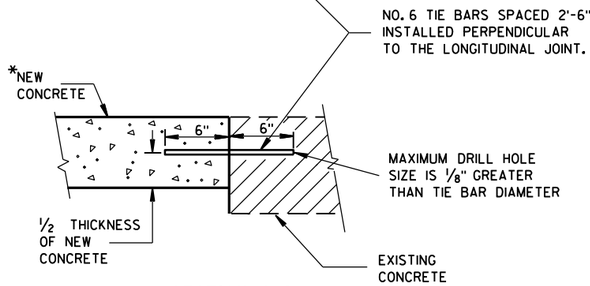


PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



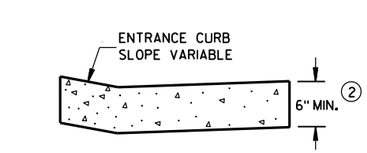
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

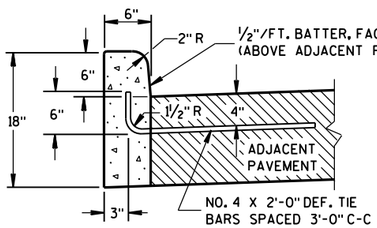


SECTION A-A

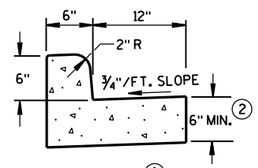
TIE BARS DRILLED
INTO EXISTING PAVEMENT



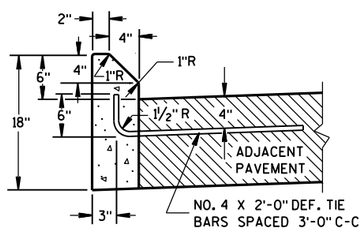
DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)



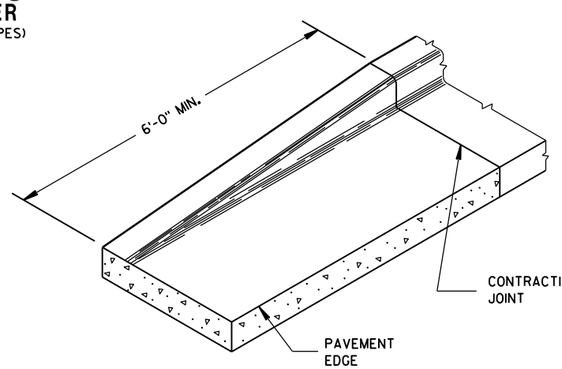
① TYPES A & D



① TYPES A & D
CONCRETE CURB & GUTTER 18"



① TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

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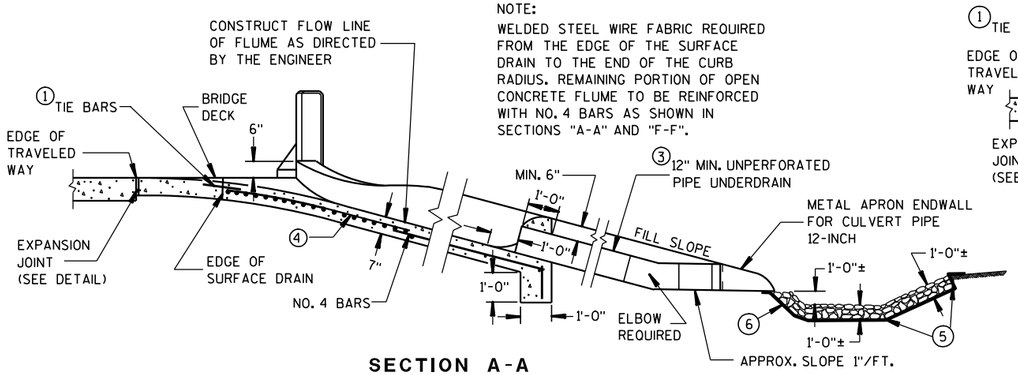
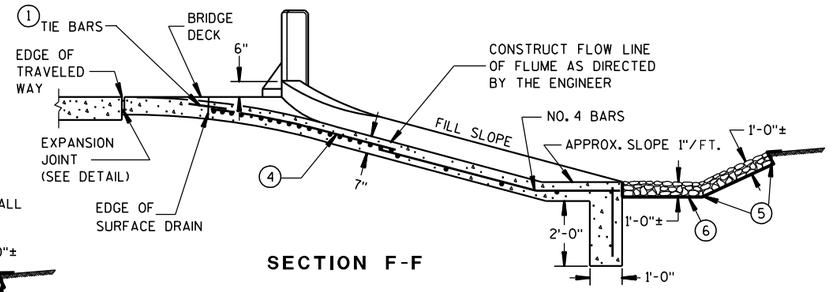


SECTION A-A



SECTION F-F

GENERAL NOTES

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

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

(1) NO. 4 X 2'-0" TIE BARS SPACED AT 3'-0" CENTERS TO BE USED ONLY WHEN ADJACENT TO P.C. CONCRETE.

(2) NO. 4 X 2'-0" TIE BARS SPACED AT 12" CENTERS TO BE PLACED BY BRIDGE CONTRACTOR, OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PIPE UNDERDRAIN MAY BE ANY OF THE MATERIALS LISTED IN SECTION 612.2 OF THE STANDARD SPECIFICATIONS EXCEPT DRAIN TILE.

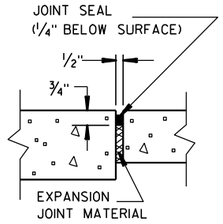
(4) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C-C.

(5) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

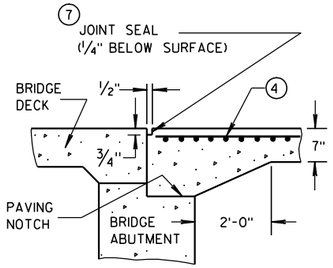
(6) GEOTEXTILE FABRIC, TYPE 'R"

(7) HOT POURED SEALANT UNLESS OTHERWISE SPECIFIED.

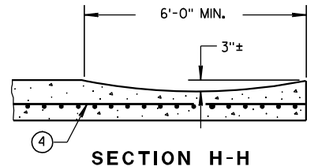
(8) THIS DIMENSION MAY VARY DEPENDING ON THE SPACING OF POSTS FOR THE STEEL PLATE BEAM GUARD. THE TYPICAL LOCATION FOR THE SURFACE DRAIN IS WHERE THE POST SPACING WIDENS TO 3'-1½".



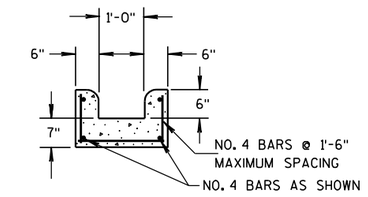
EXPANSION JOINT DETAIL



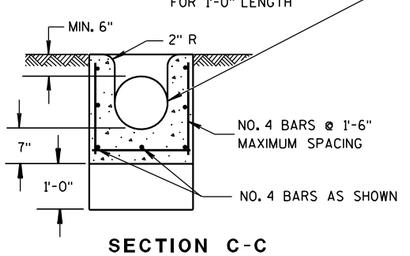
SECTION D-D



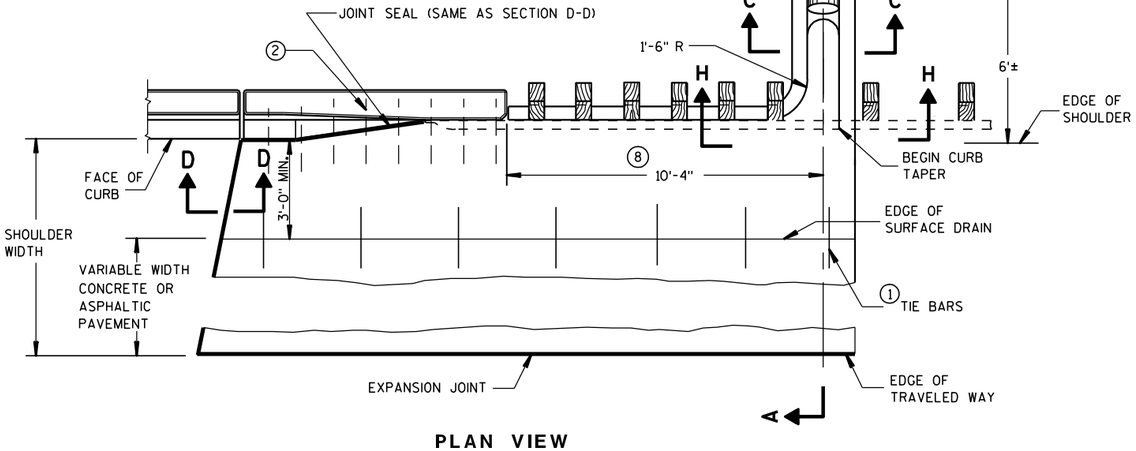
SECTION H-H



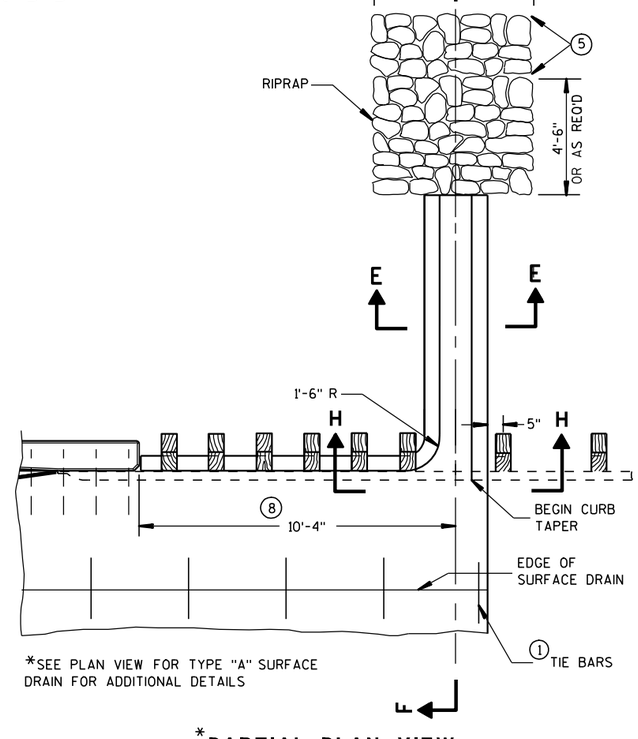
SECTION E-E



SECTION C-C

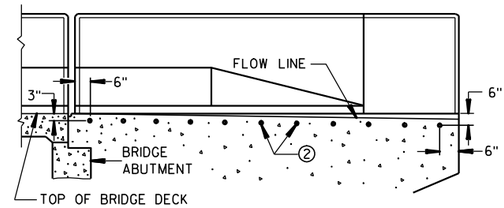


PLAN VIEW
SURFACE DRAIN WITH PIPE
TYPE "A"



*SEE PLAN VIEW FOR TYPE "A" SURFACE DRAIN FOR ADDITIONAL DETAILS

*PARTIAL PLAN VIEW
SURFACE DRAIN WITHOUT PIPE
TYPE "B"



LOCATION OF
TIE BARS IN WINGWALL

CONCRETE SURFACE DRAINS
FLUME TYPE
AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

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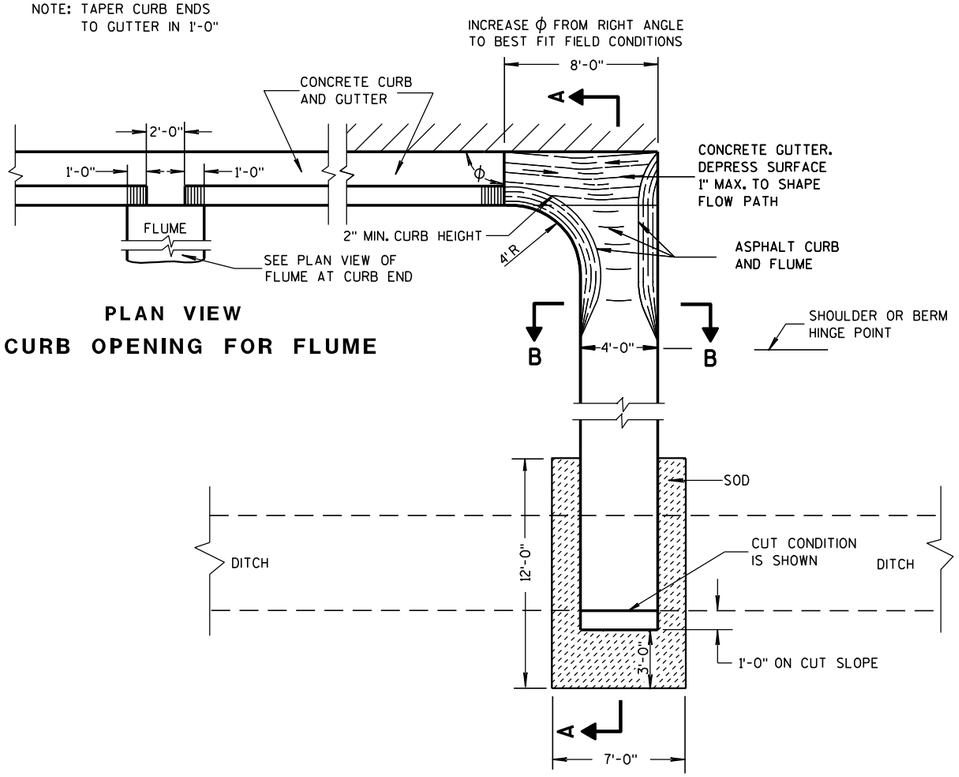
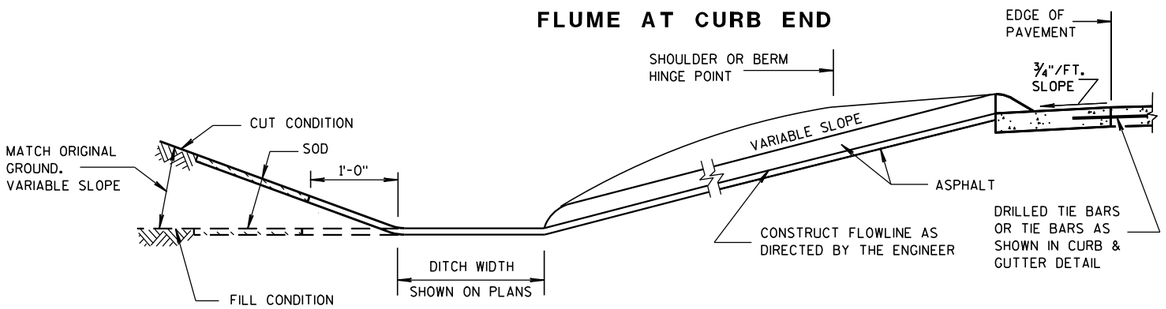
S.D.D. 8 D 2-6

ASPHALTIC FLUME

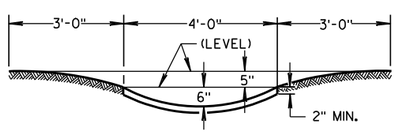


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

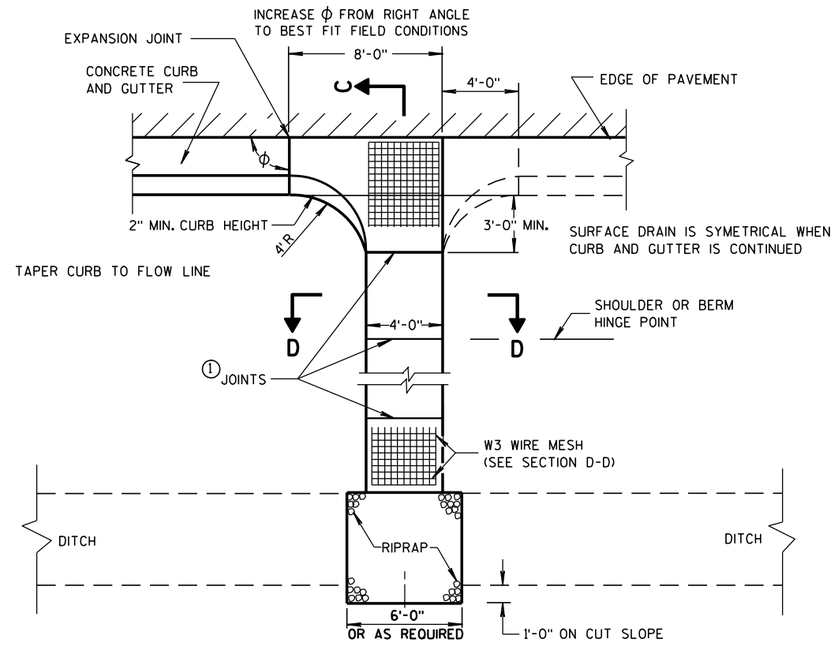
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

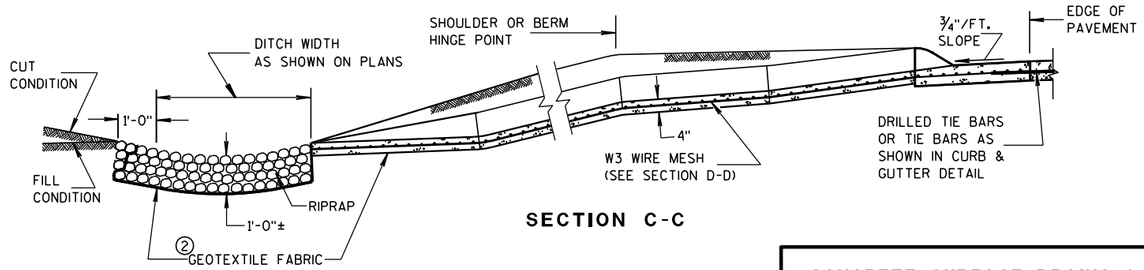
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

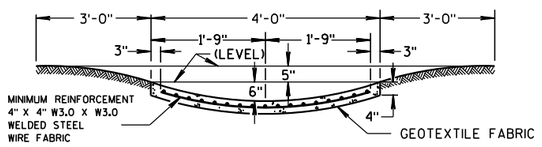
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

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S.D.D. 8 D 4-5
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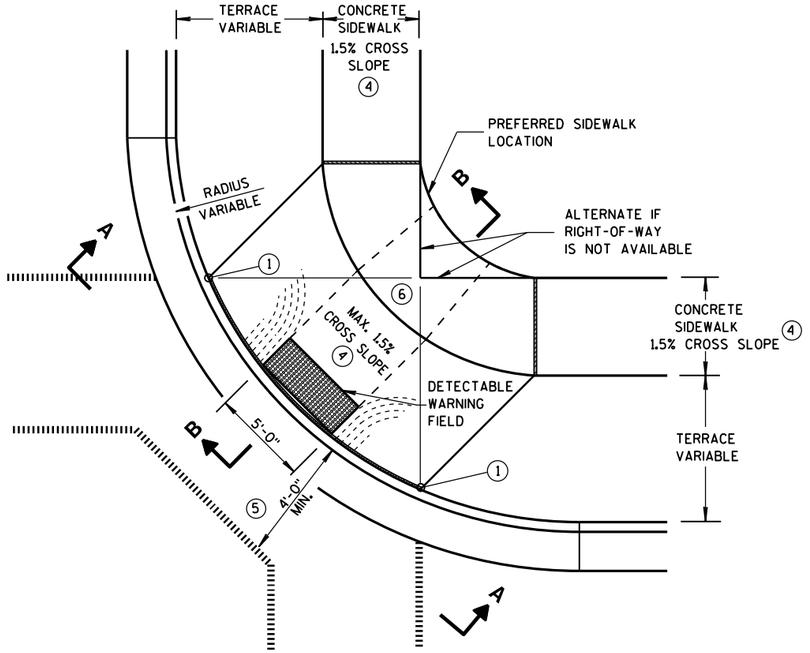
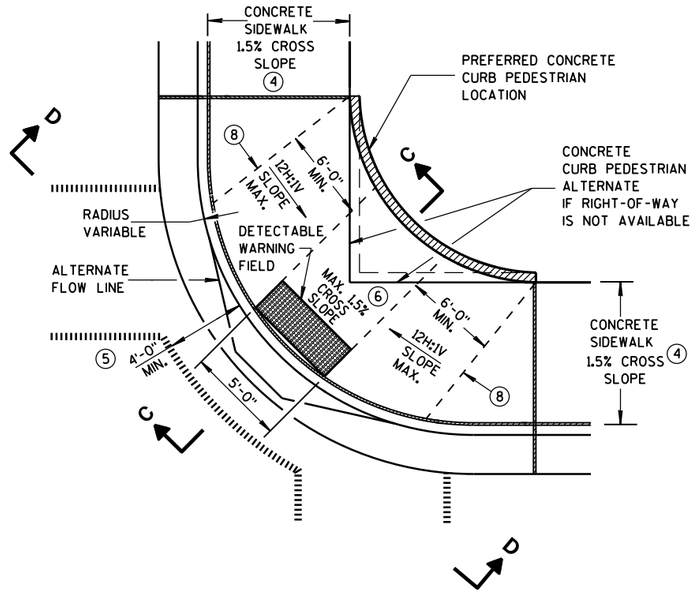
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

GENERAL NOTES

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

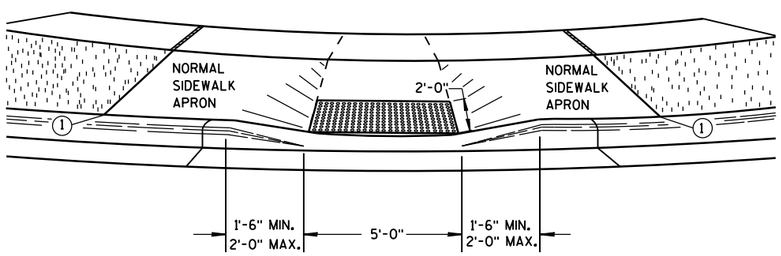
(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

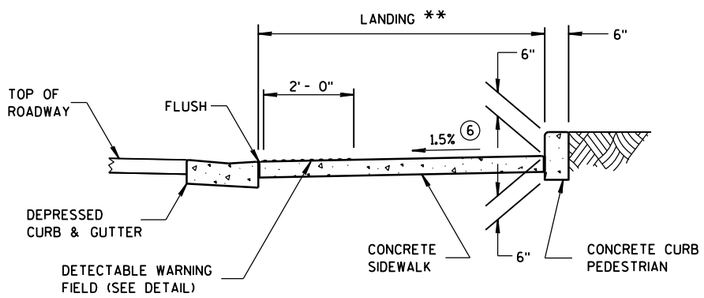
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A-A

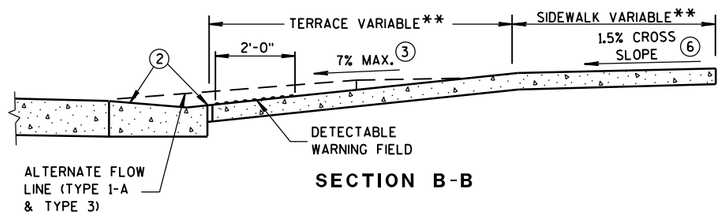
** WIDTH SHOWN ELSEWHERE IN THE PLANS



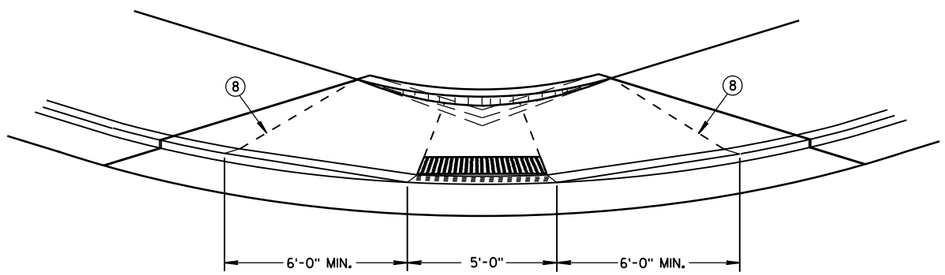
SECTION C-C

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



SECTION B-B



VIEW D-D

CURB RAMPS
TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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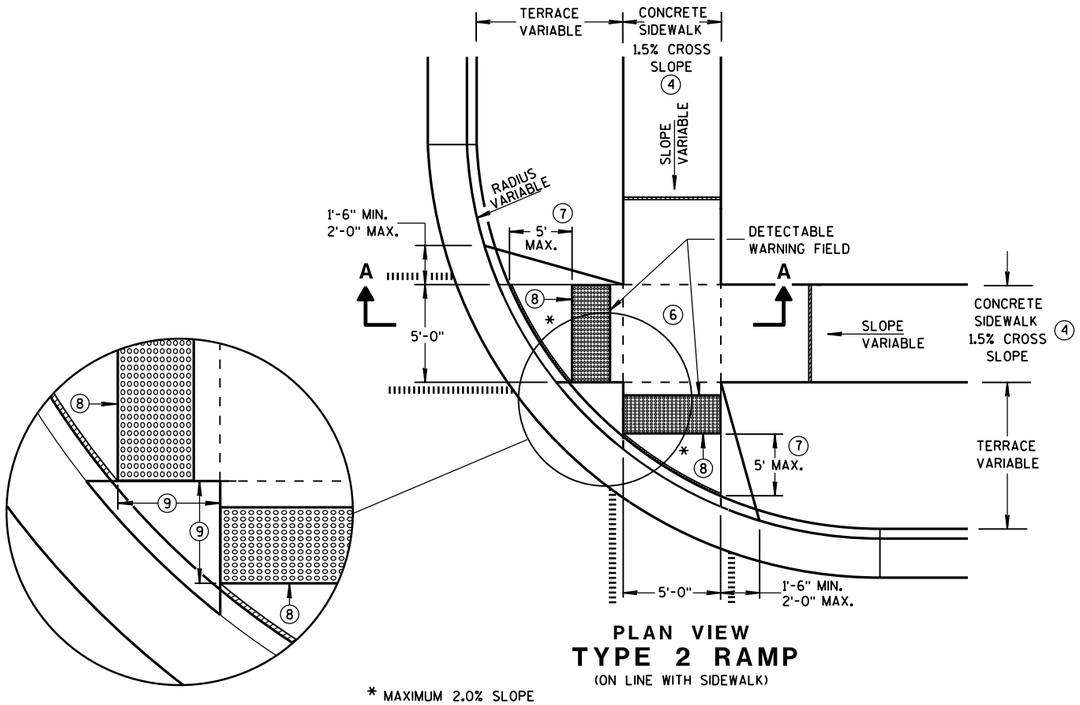
S.D.D. 8 D 5-16a

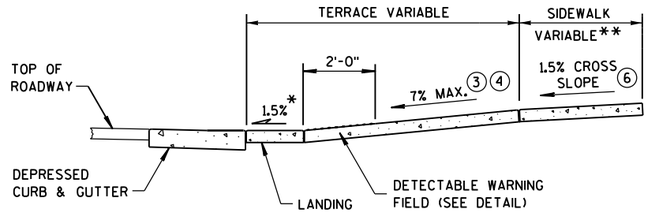


PLAN VIEW

TYPE 2 RAMP

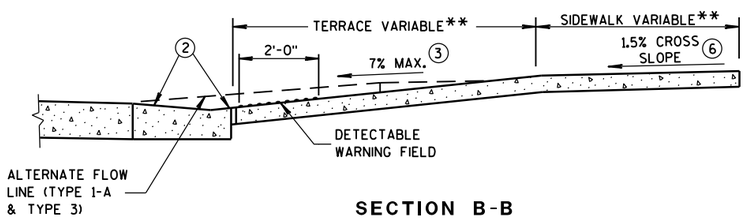
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

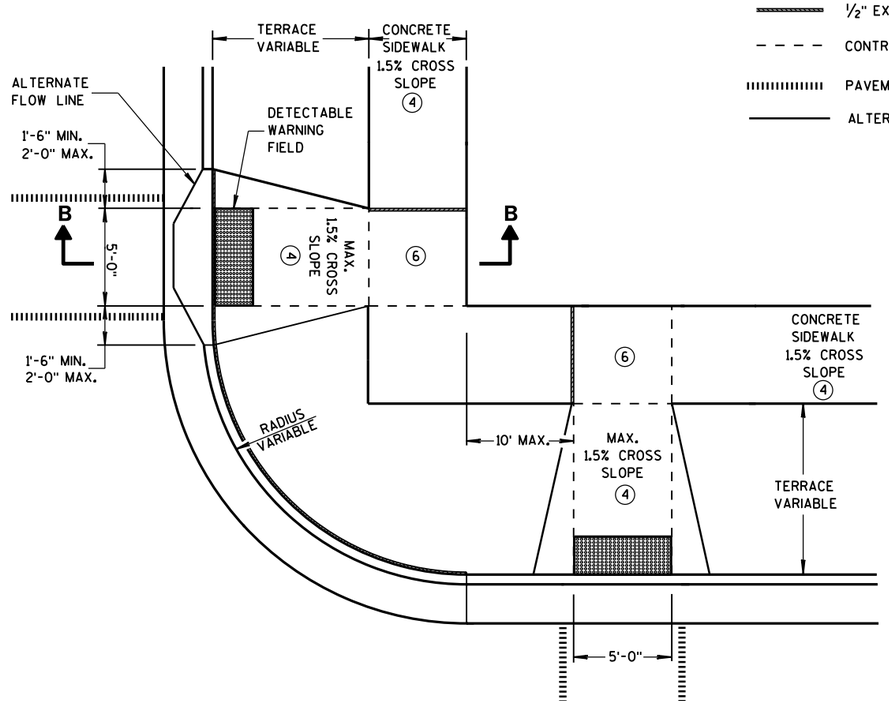
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. 2" MINIMUM CURB HEIGHT.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

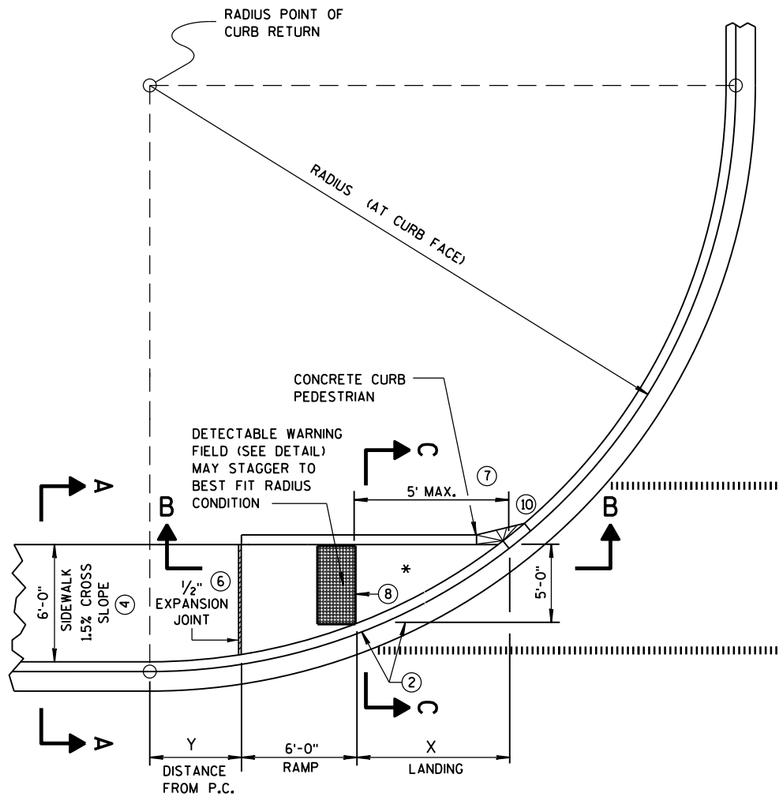
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

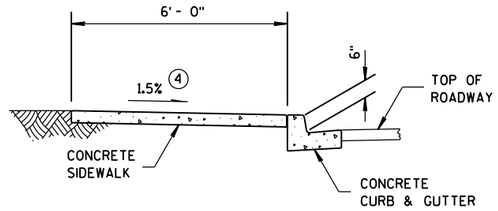
S.D.D. 8 D 5-16b



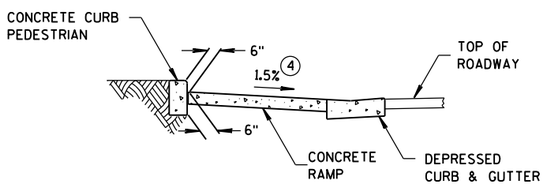
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

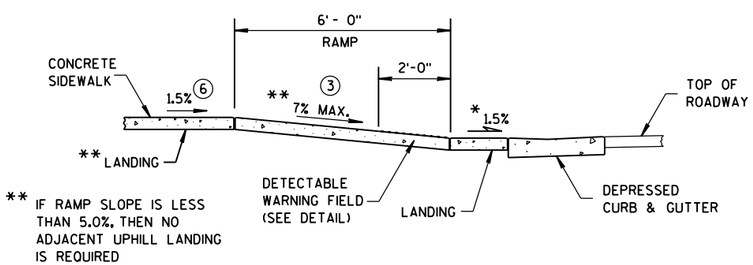
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

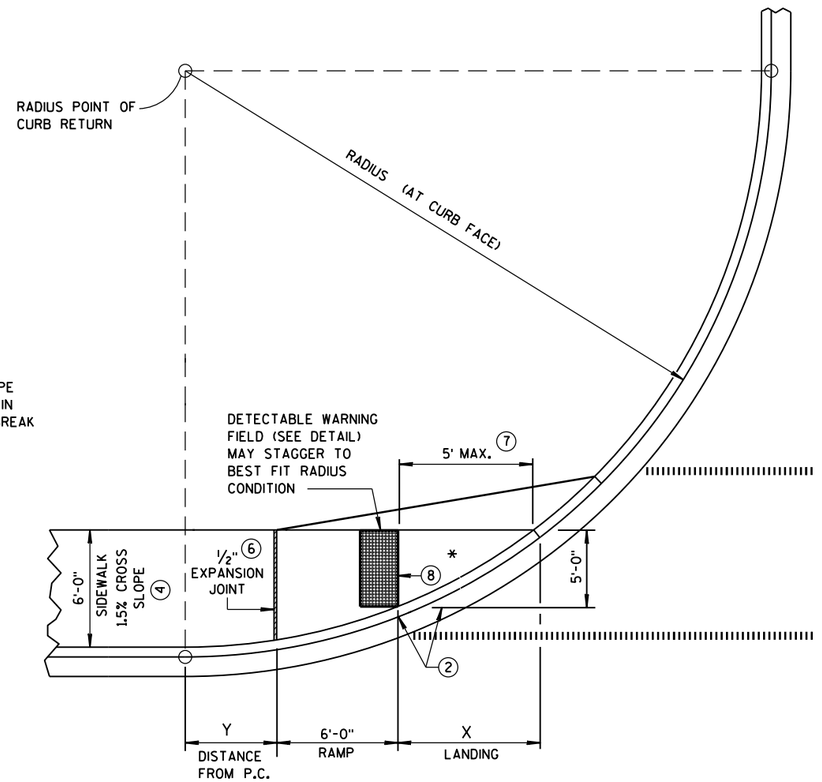


SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

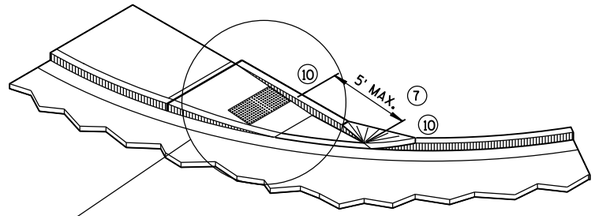
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

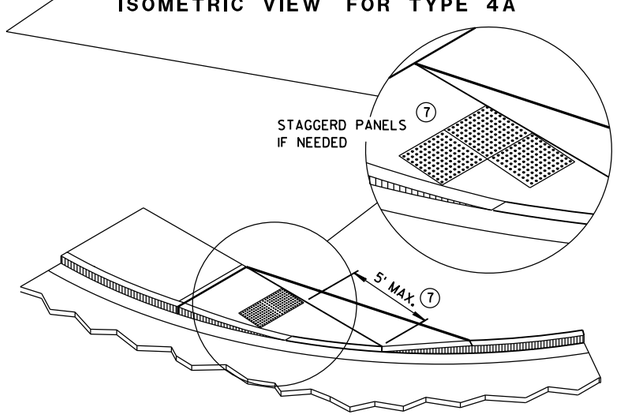
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

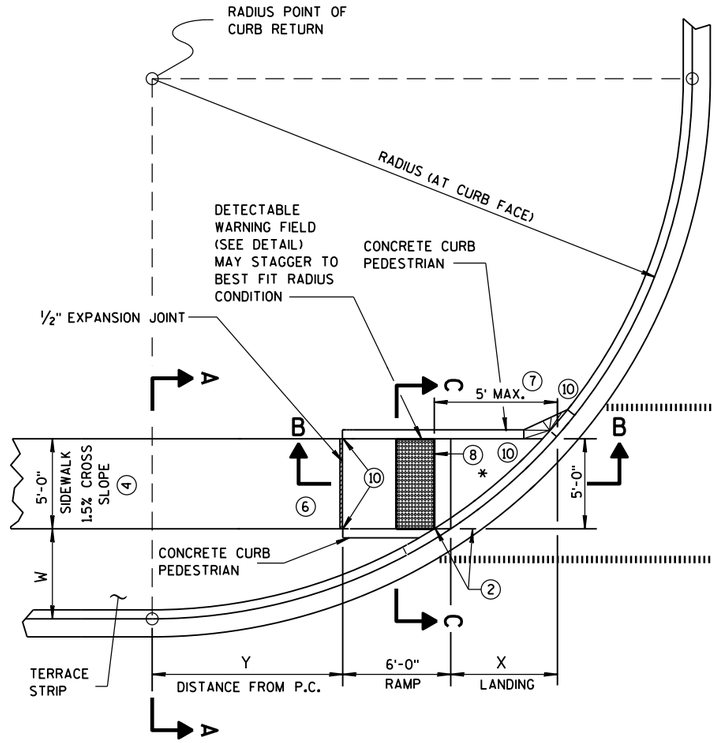
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

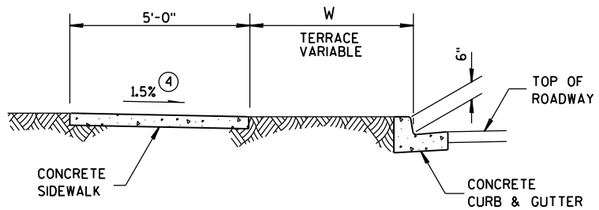
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

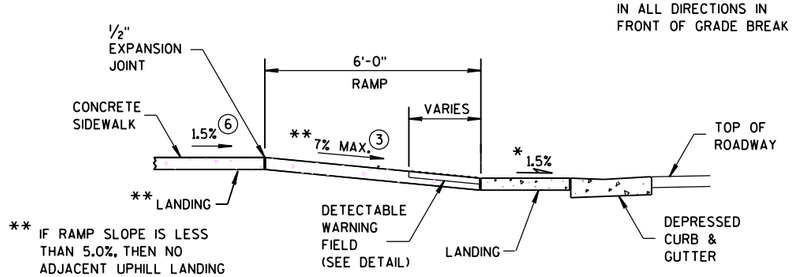
S.D.D. 8 D 5-16c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

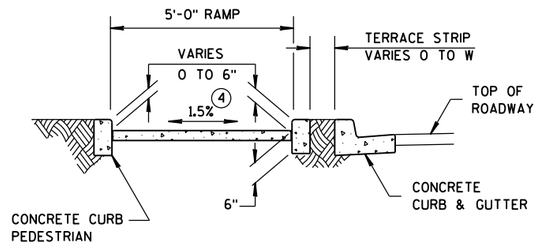
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

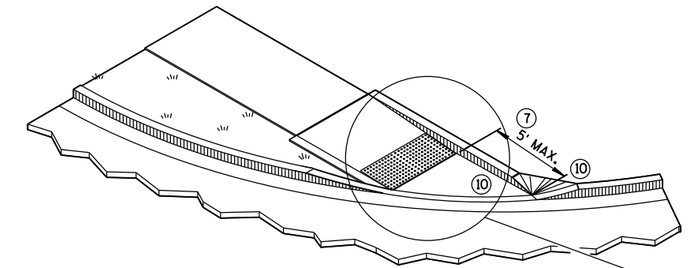
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

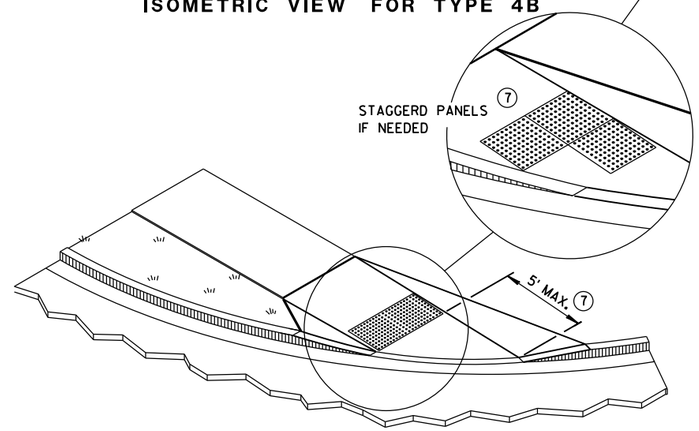
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, USE MULTIPLE DETECTABLE WARNING PANELS ACROSS THE RAMP AND STAGGER ADDITIONAL DETECTABLE WARNING PANEL(S) FORWARD TO REDUCE THIS DISTANCE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

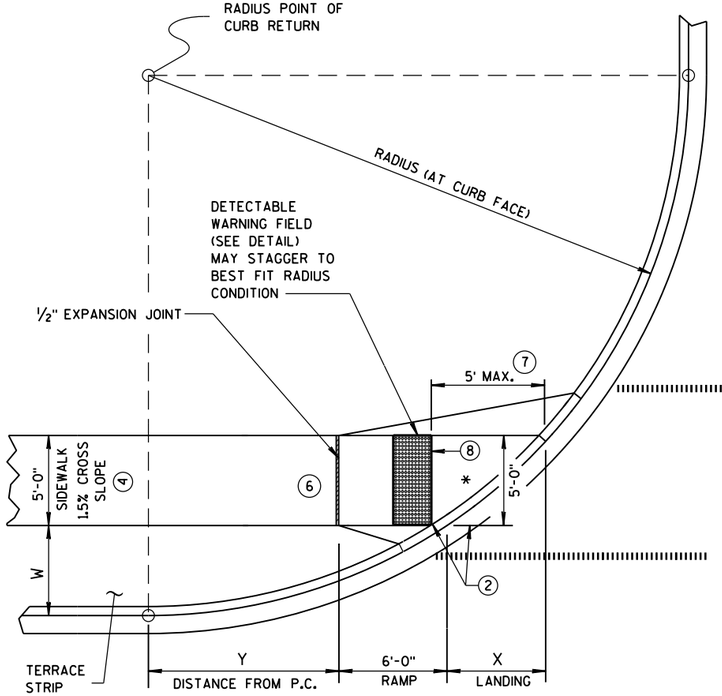
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



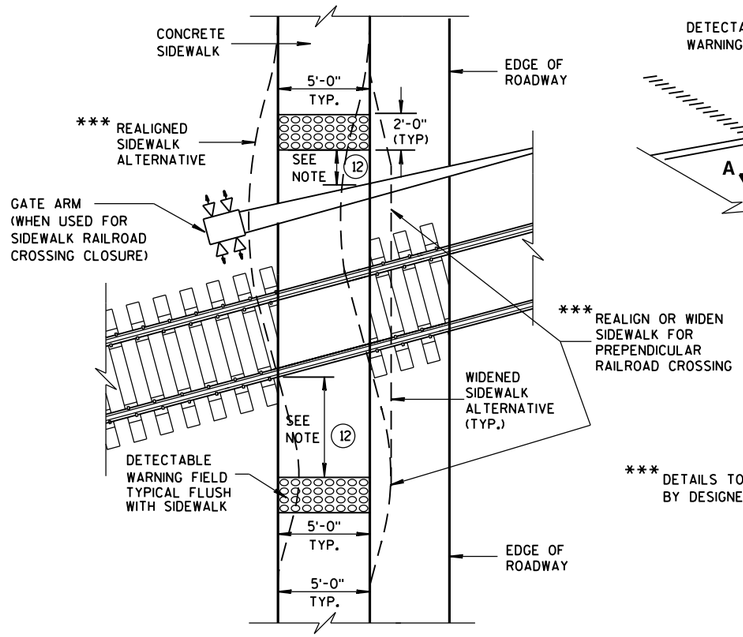
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

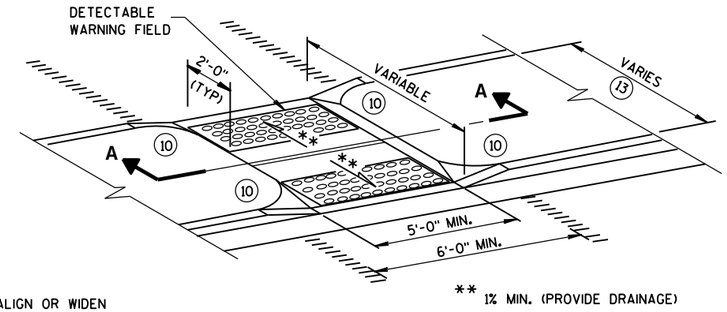
6

S.D.D. 8 D 5-16d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

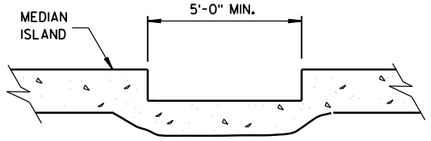
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

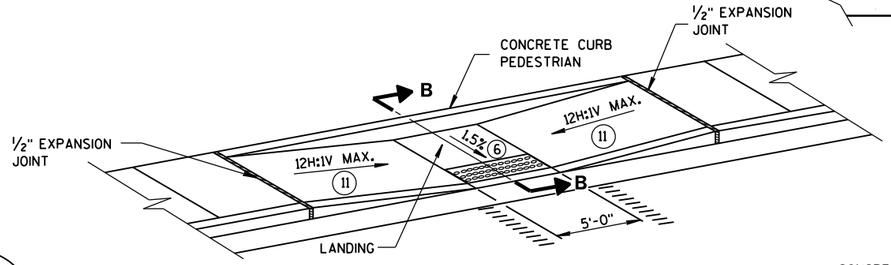
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



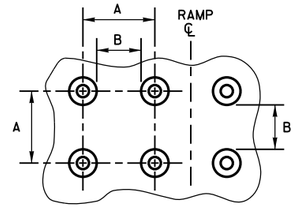
SECTION A-A



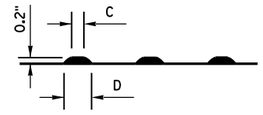
MID-BLOCK CROSSING
TYPE 7A

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

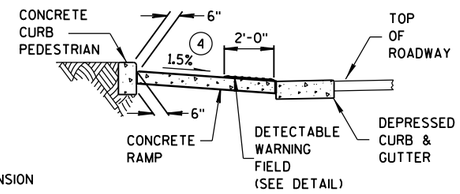


PLAN VIEW

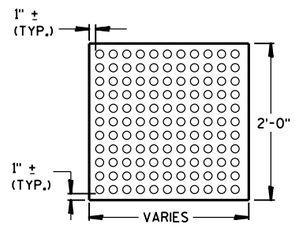


ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



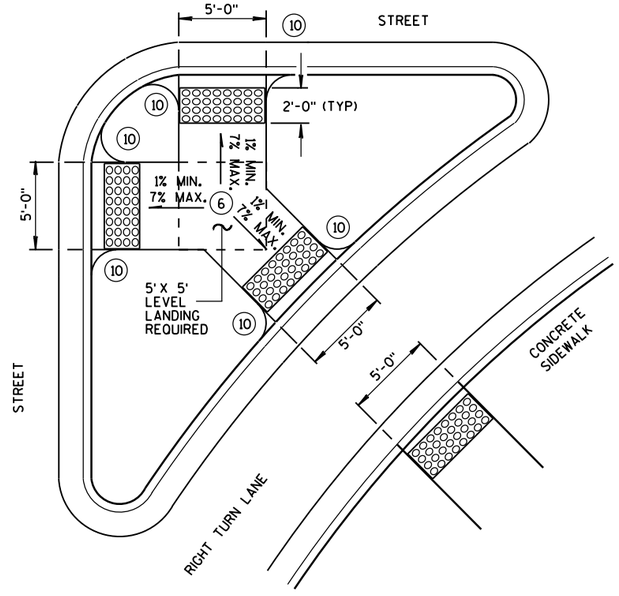
SECTION B-B



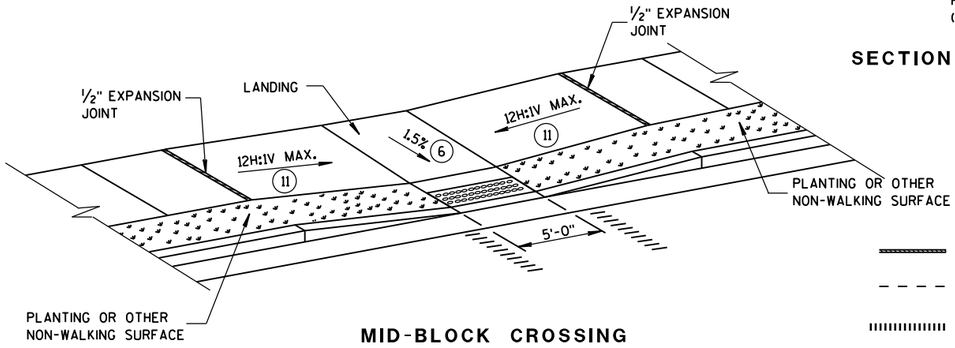
PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

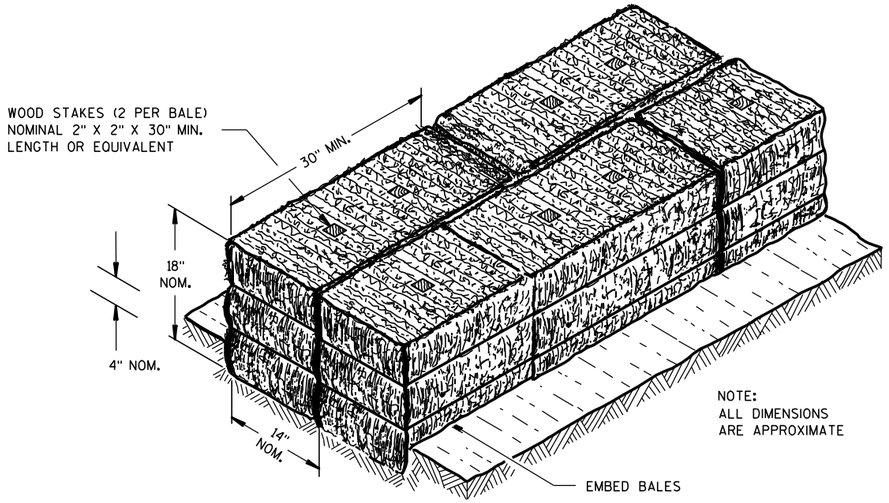
APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

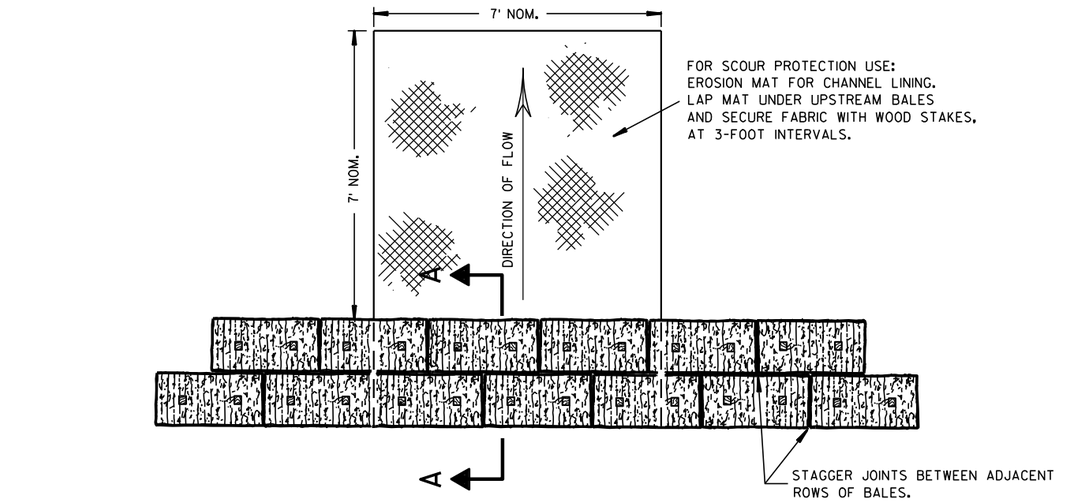
S.D.D. 8 D 5-16e

6

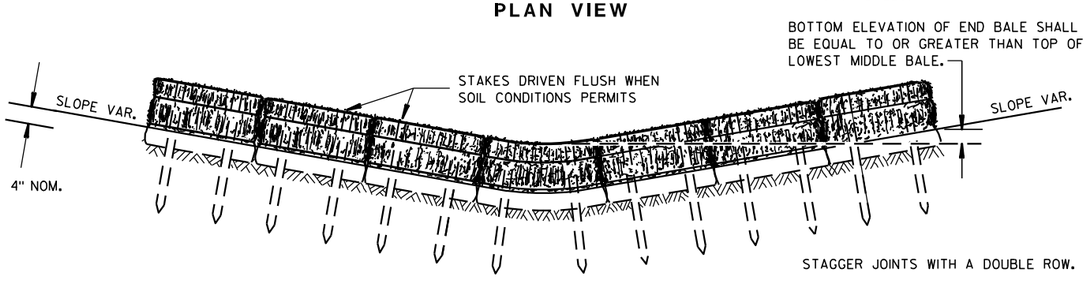
S.D.D. 8 D 5-16e



SECTION A-A



PLAN VIEW



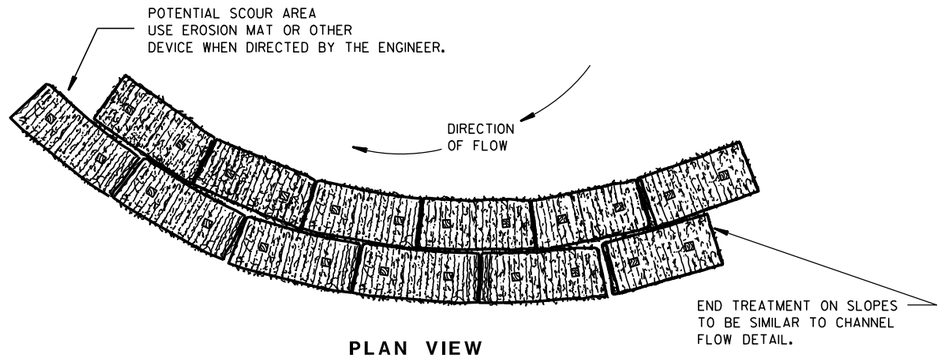
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

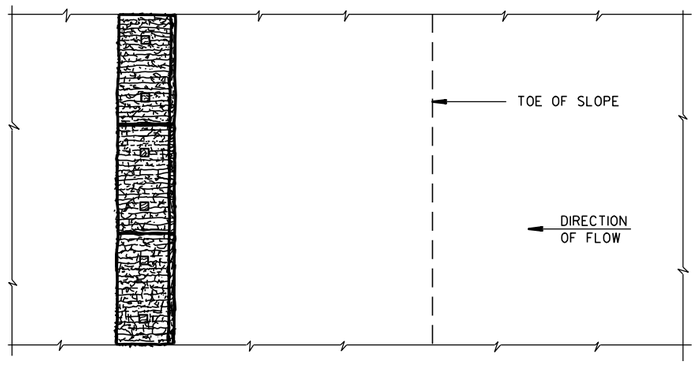
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

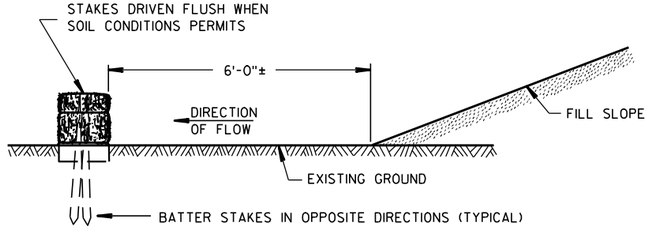


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

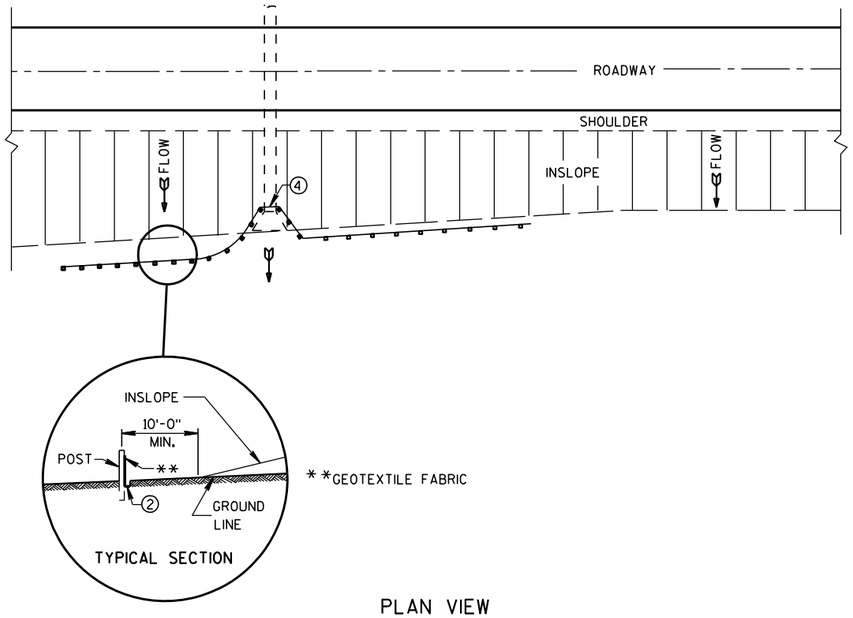
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

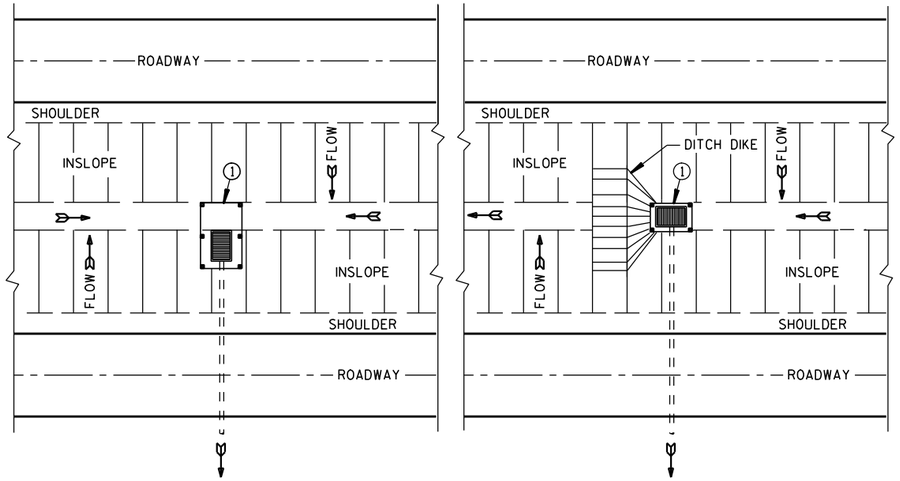
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

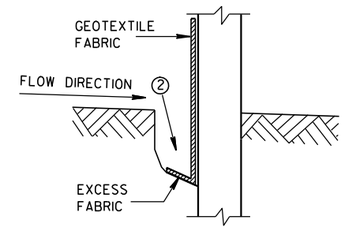
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

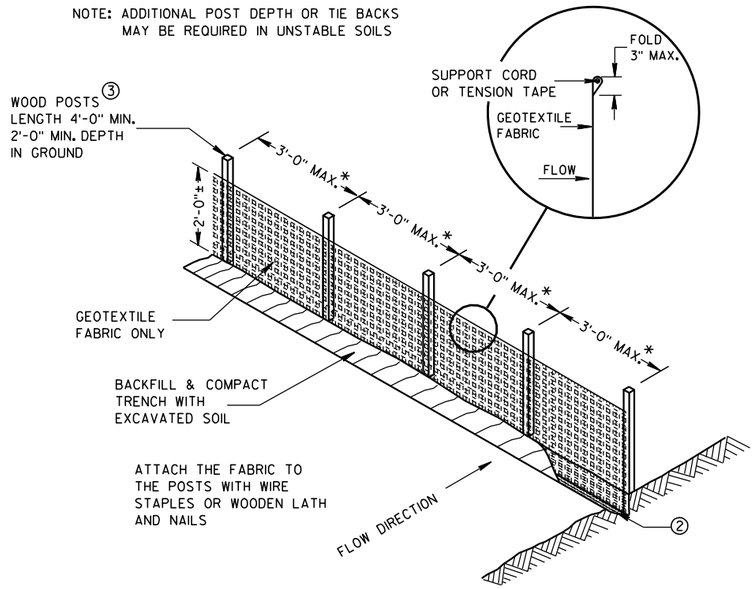
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

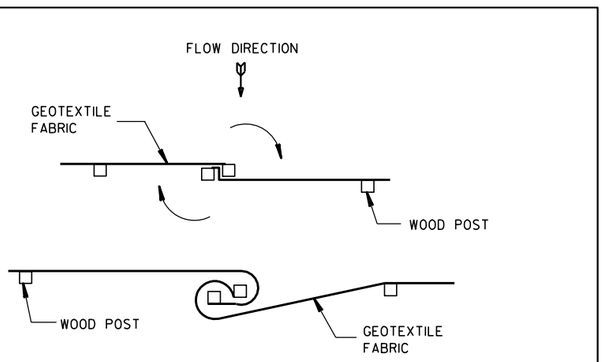
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



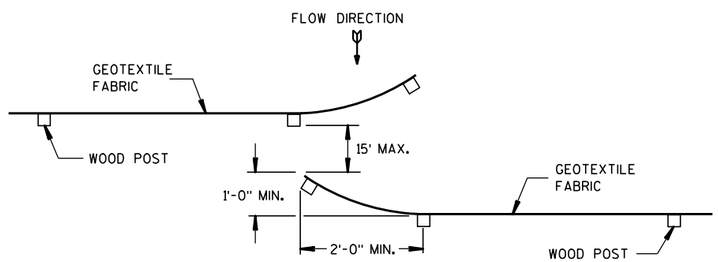
TRENCH DETAIL



SILT FENCE

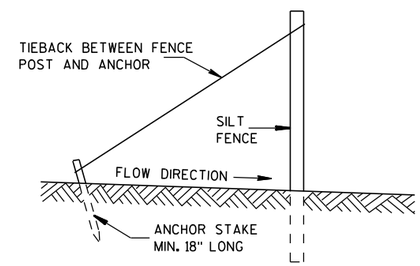


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

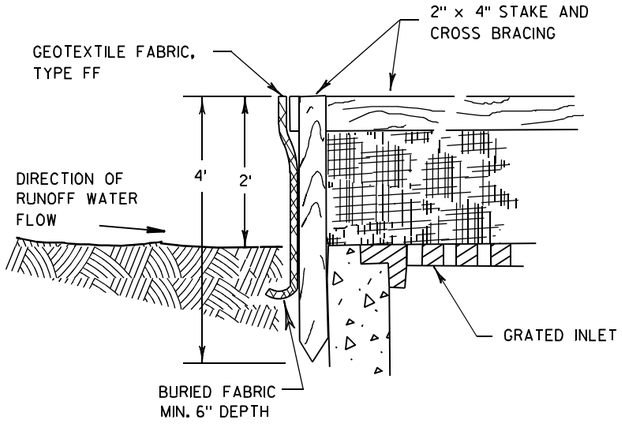
SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
4-29-05 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

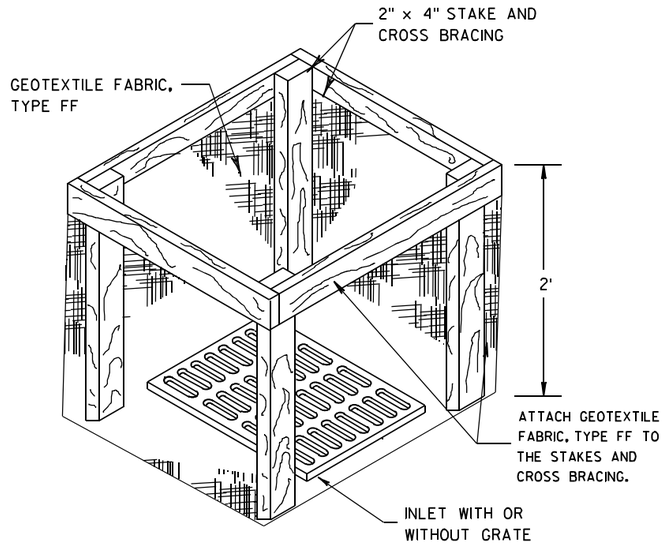
6

S.D.D. 8 E 9-6

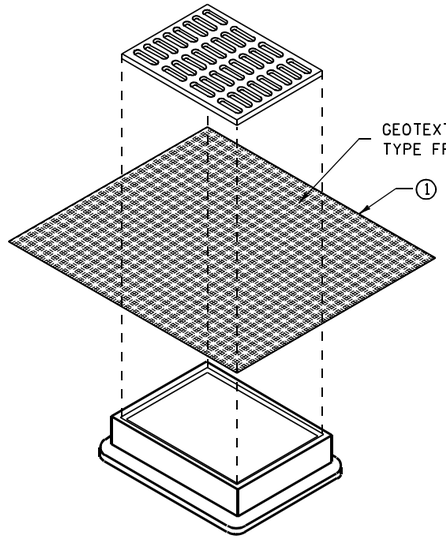
6

S.D.D. 8 E 9-6



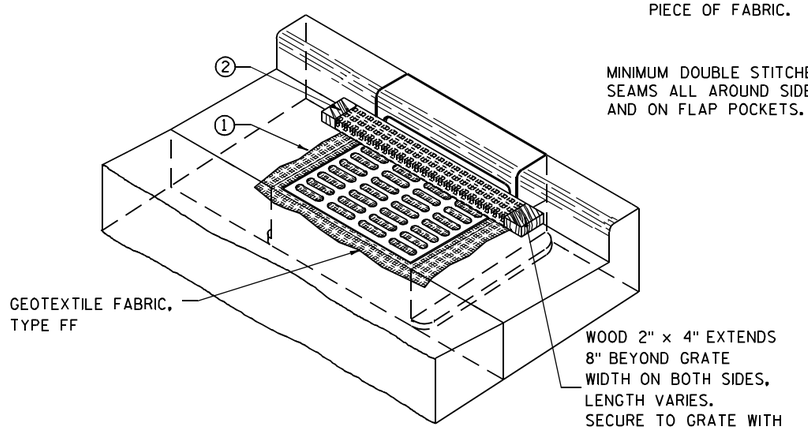


INLET PROTECTION, TYPE A

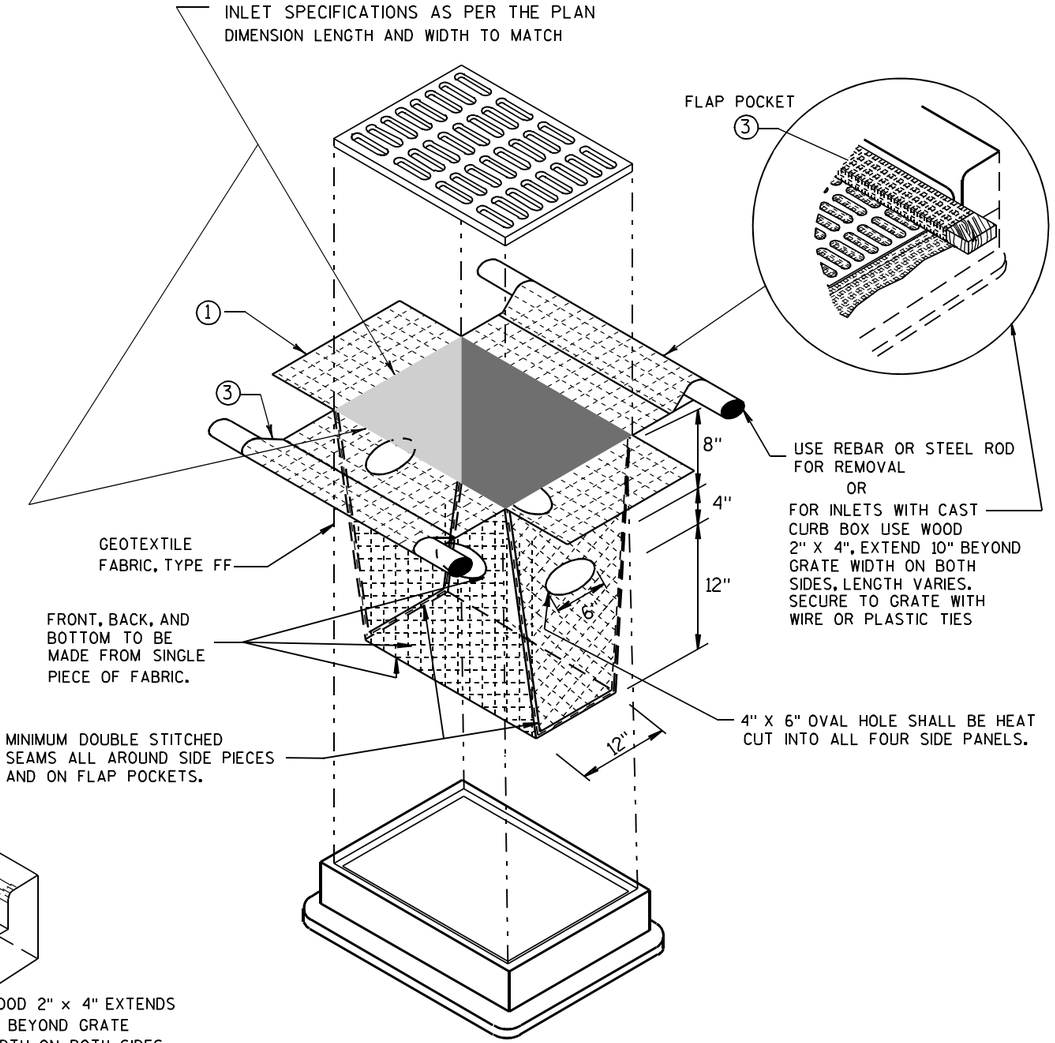


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
S.D.D. 8 E 10-2

GENERAL NOTES

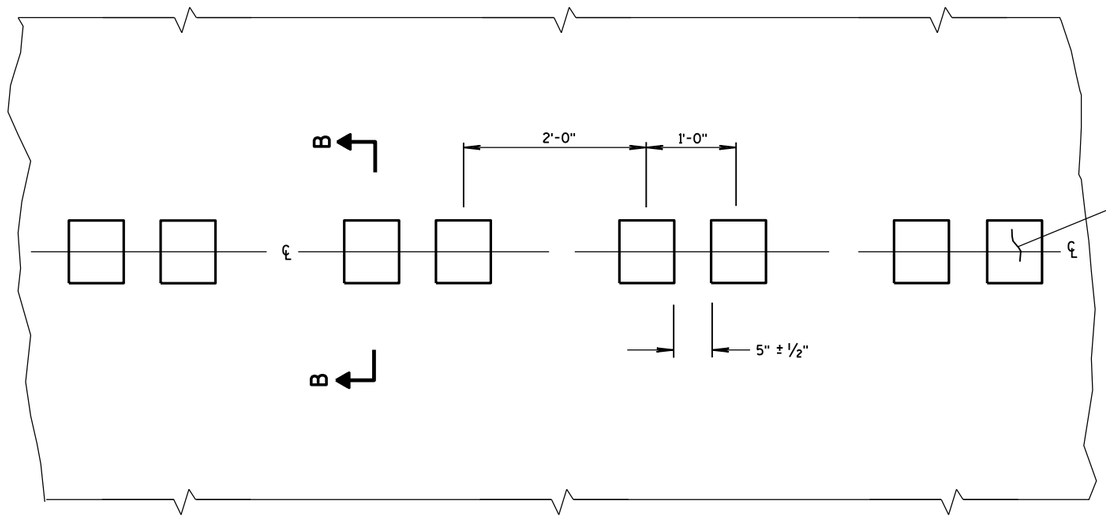
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

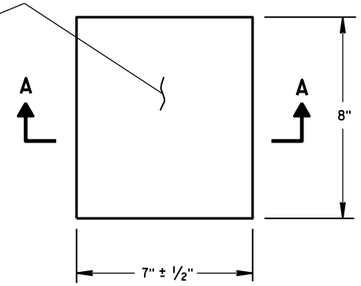
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

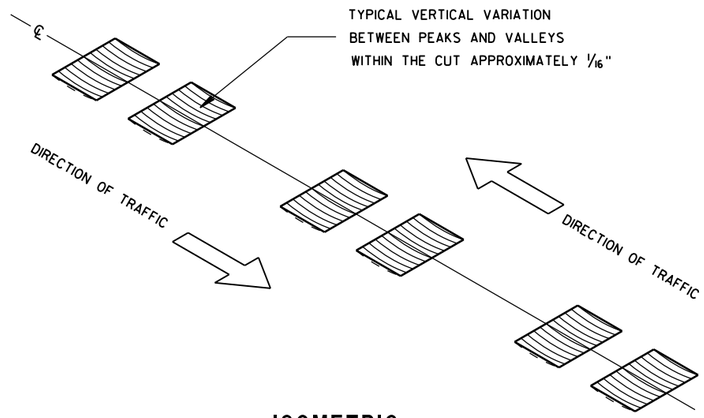
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



PLAN VIEW
CENTER LINE WITH GROOVES

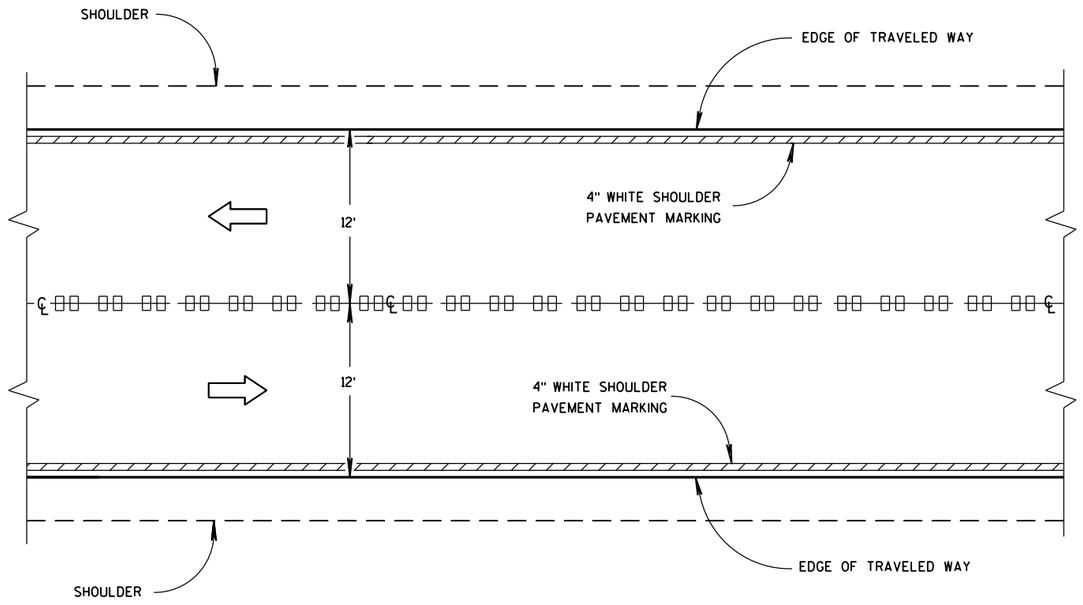


PLAN VIEW
(SINGLE GROOVE)

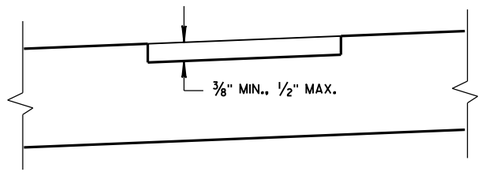


ISOMETRIC

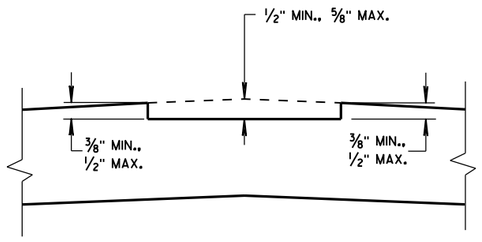
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



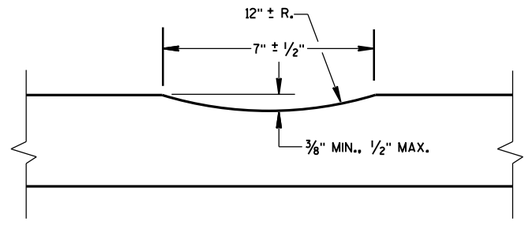
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



SECTION B-B
CROWNED ROADWAY



SECTION A-A

6

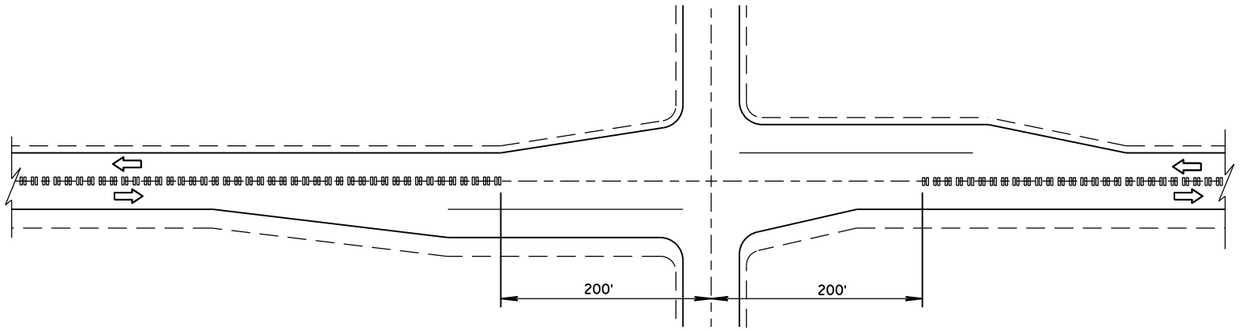
S.D.D. 13 A 11-2a

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

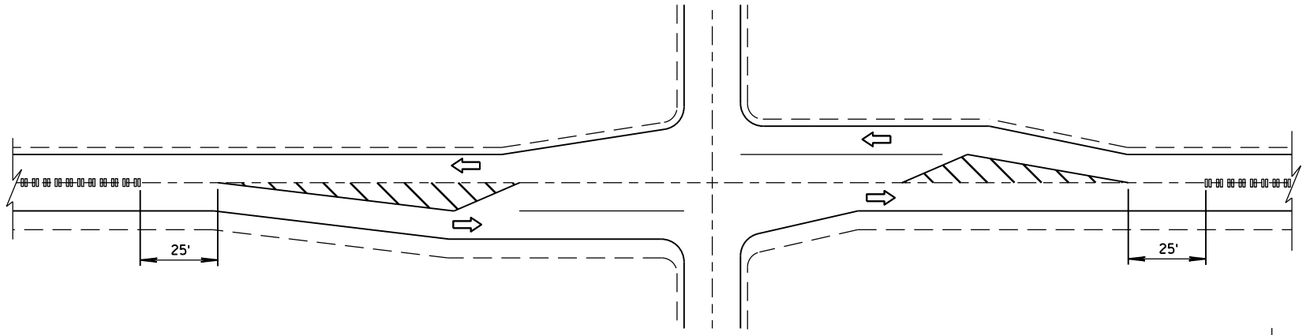
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

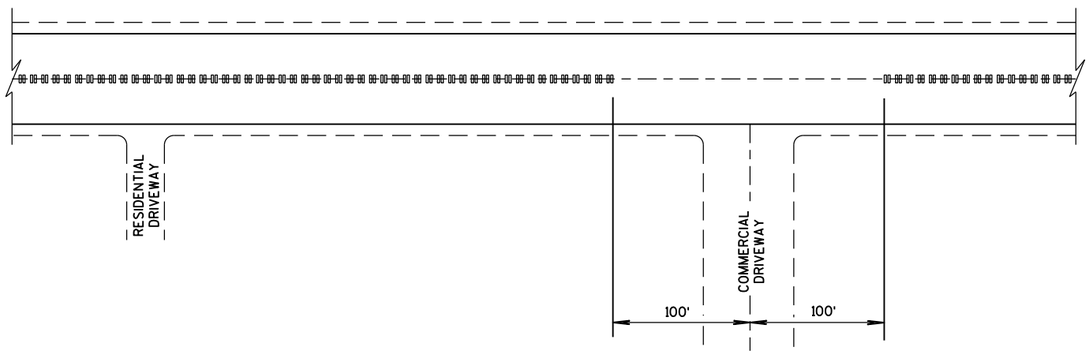
S.D.D. 13 A 11-2a



CENTER LINE GROOVES AT INTERSECTIONS

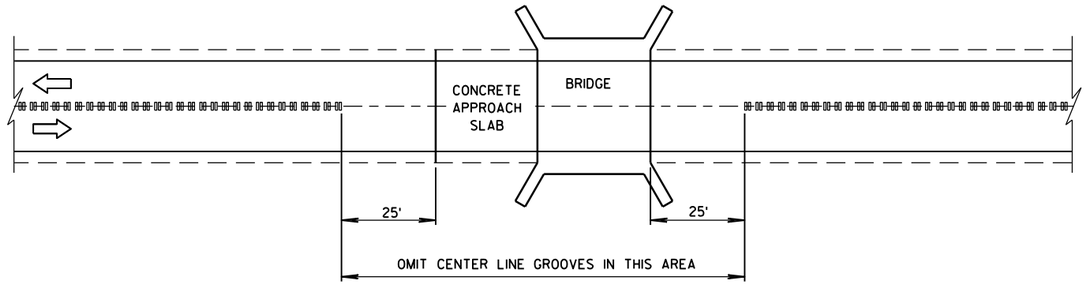


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

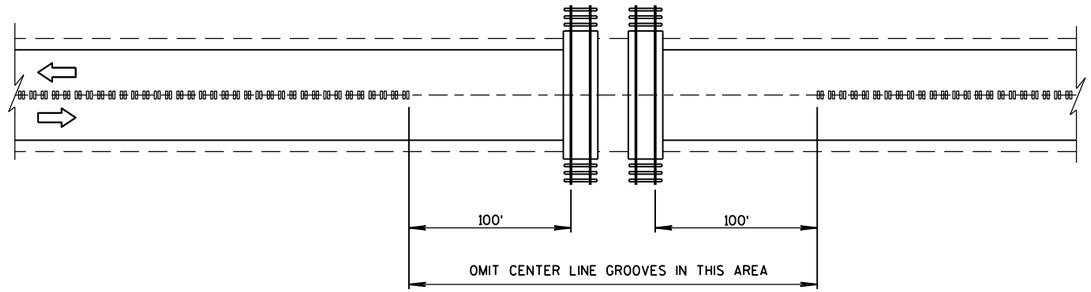


CENTER LINE GROOVES AT DRIVEWAYS (1)

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



CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

6

S.D.D. 13 A 11-2b

2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/15/2013
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

NT

FHWA

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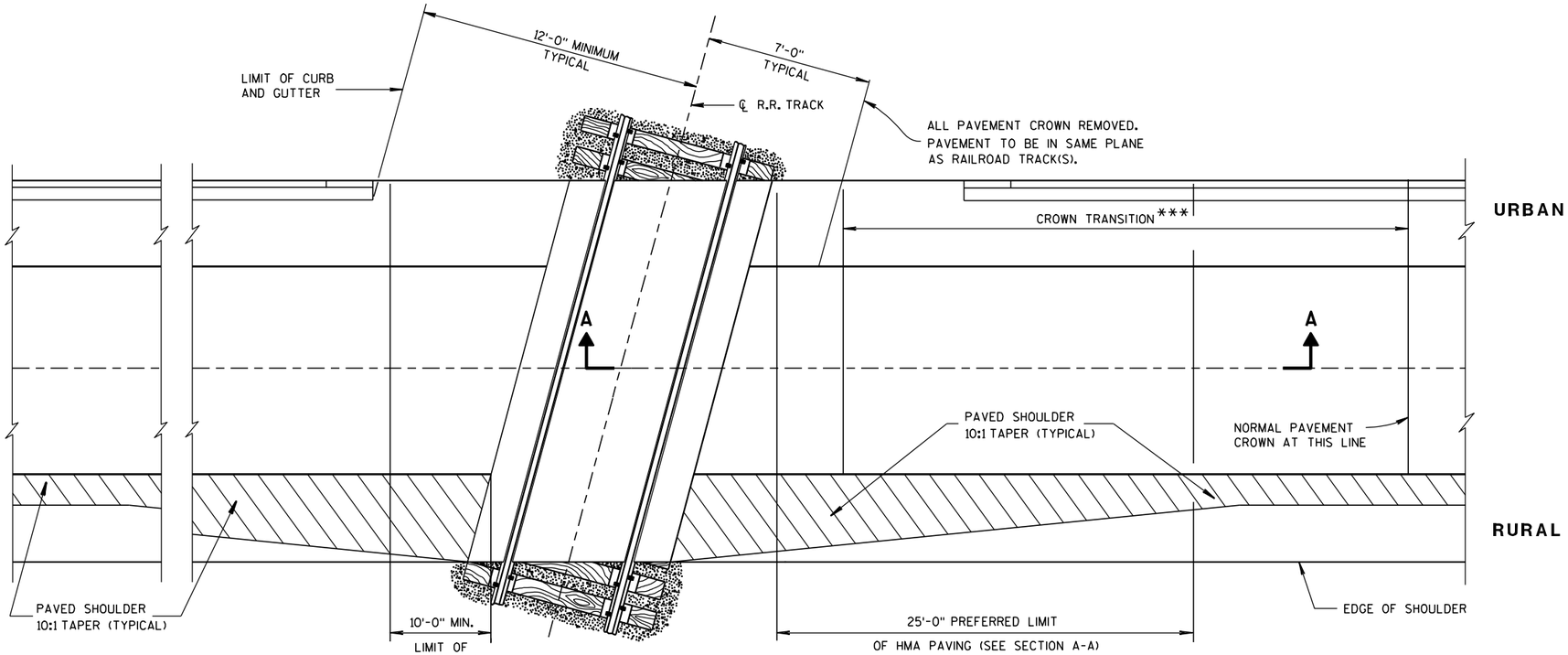
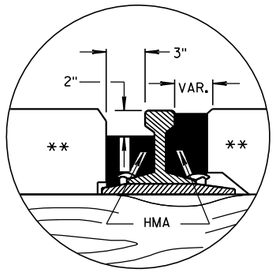
S.D.D. 13 A 11-2b





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

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

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

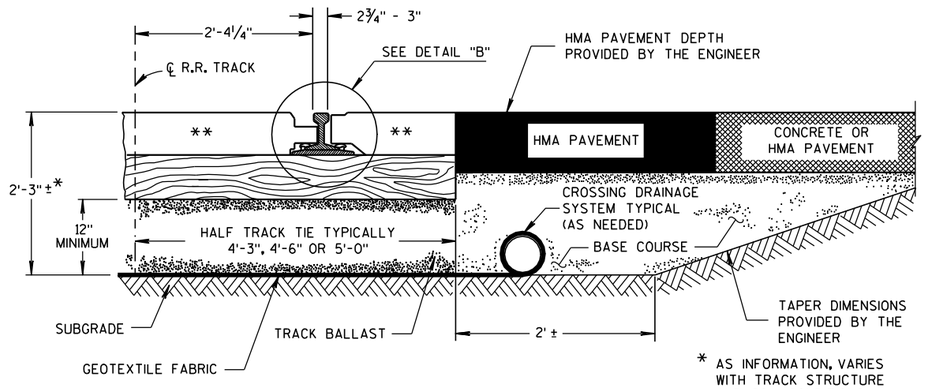
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

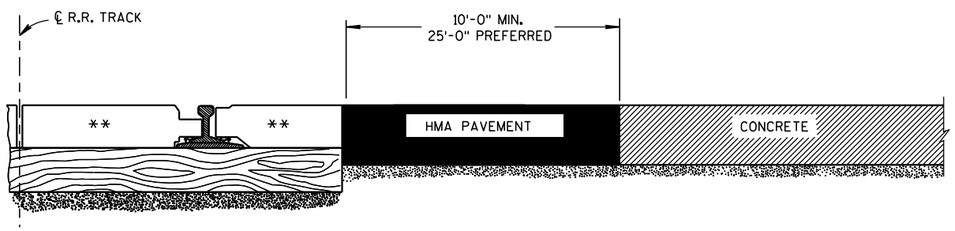
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH

SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI CTION
FHWA

6

S.D.D. 13 B 1-10

GENERAL NOTES

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

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

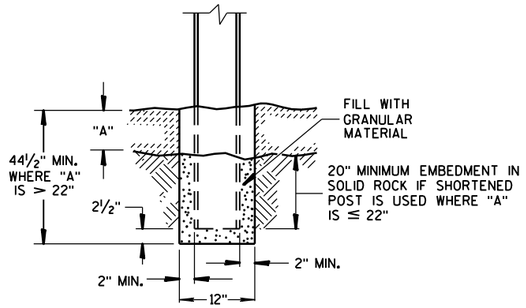
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

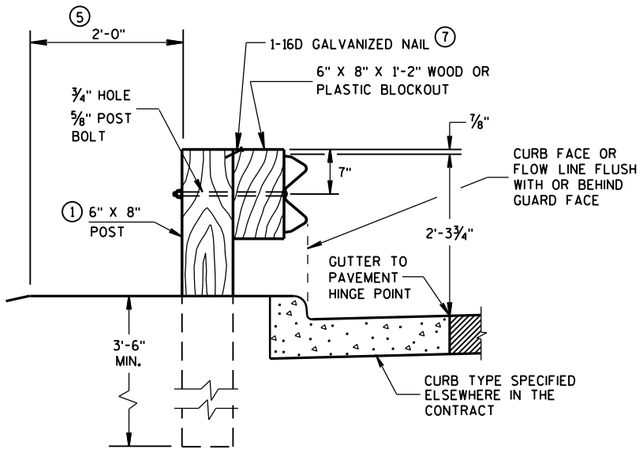
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

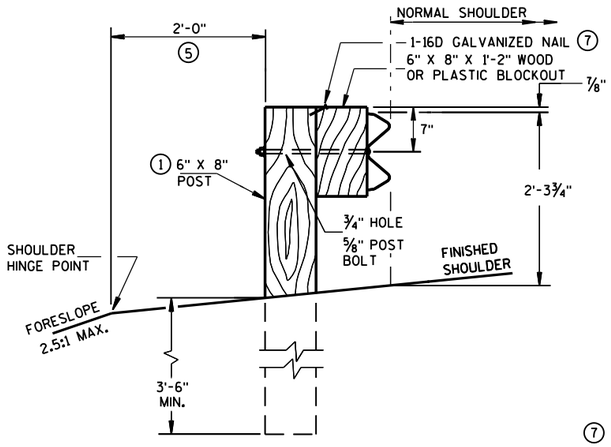
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



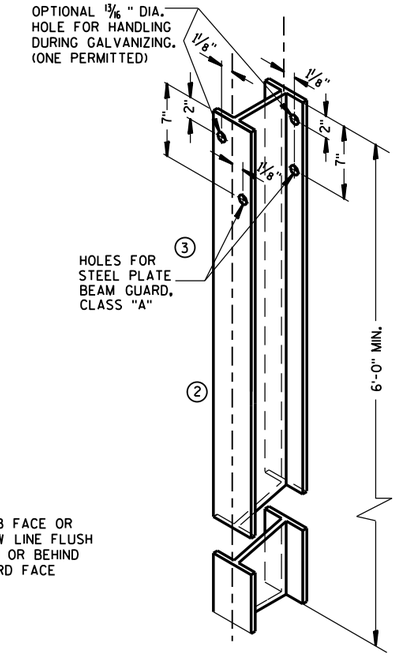
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)



END VIEW
LOCATED ALONG A CURBED ROADWAY

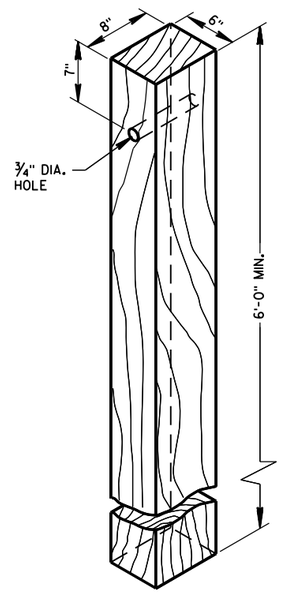


END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION

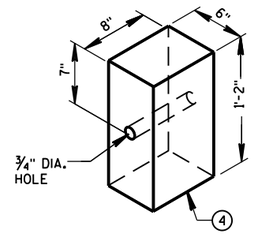


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

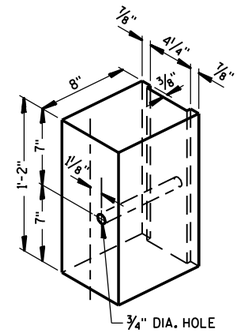
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



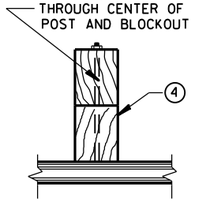
WOOD POST
(6"X8") NOMINAL



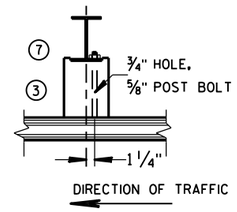
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



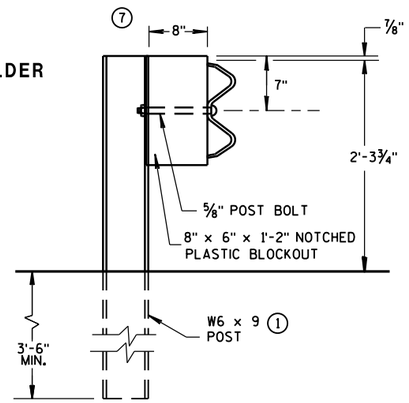
TYPICAL NOTCHED (1)
PLASTIC BLOCKOUT
FOR STEEL POSTS



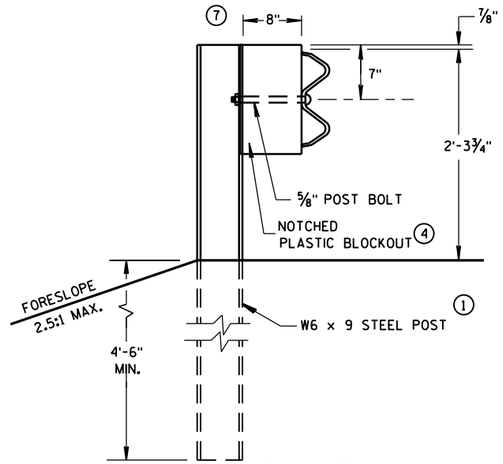
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



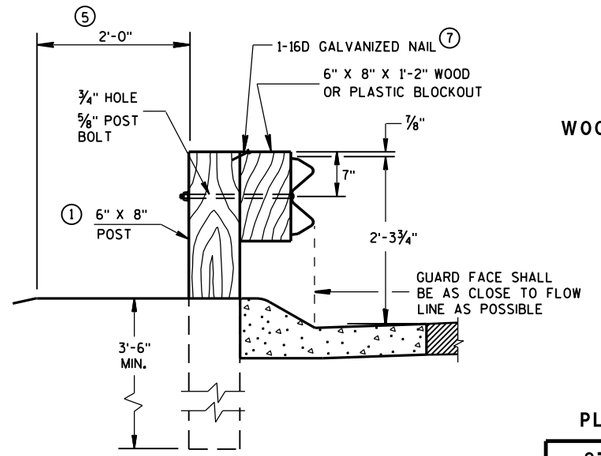
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



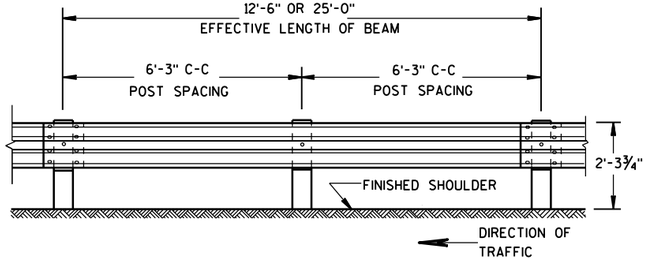
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

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

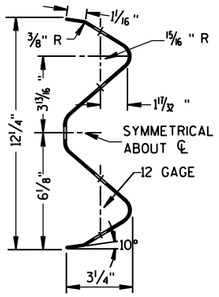
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 15-8a

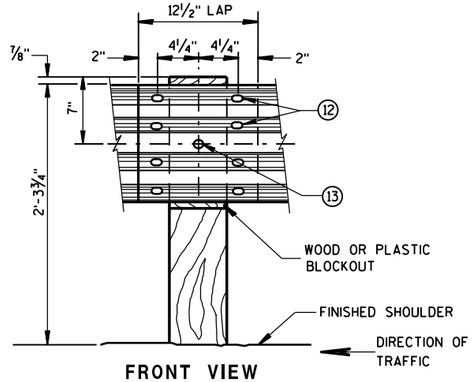


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

(8) PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

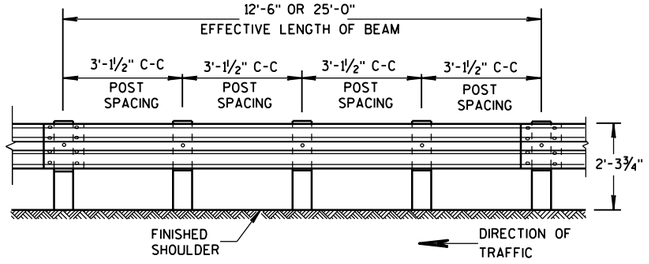
(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(10) REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

(11) PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

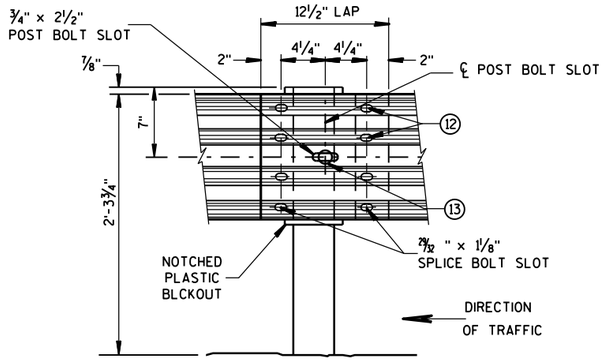
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) ⅝" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH ⅝" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW

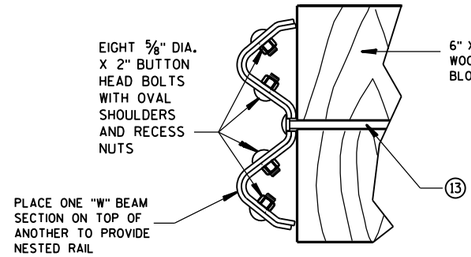
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

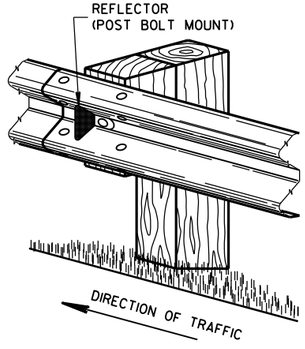


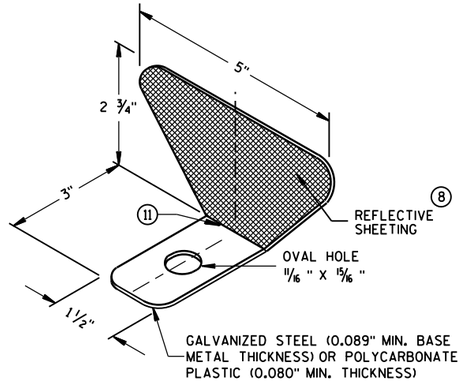
NESTED W BEAM (NW)

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

REFLECTOR SPACING (9)

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 (10) 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2 (11)	3



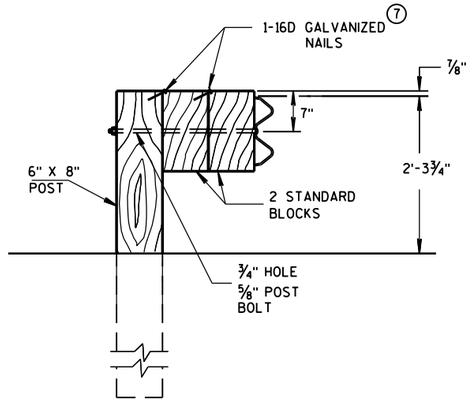


ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION (8)

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

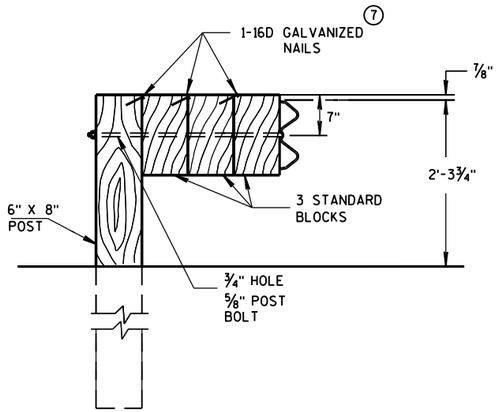
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 15-8b



DETAIL FOR DOUBLE BLOCKS

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

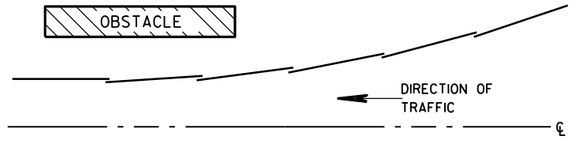


DETAIL FOR TRIPLE BLOCKS

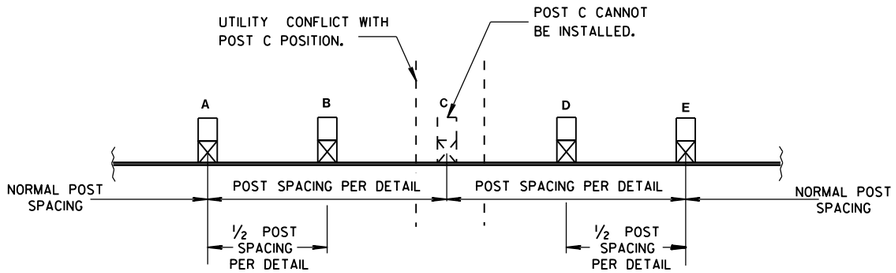
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 15-8c

BILL OF MATERIALS

NOTE NO.	QTY.	DESCRIPTION
①	4	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	**	STEEL TUBE: OPTION 1 - QUANITY OF 4 TS 8" X 6" X 0.188", 4'-6" LONG OR OPTION 2 - QUANITY OF 2 TS 8" X 6" X 0.188", 6'-0" AND 2 TS 8" X 6" X 0.188", 4'-6" LONG
③	2	SOIL PLATE: 2'-0" X 1'-6" X ¼" **
④	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	6	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	1	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	1	BEARING PLATE
⑧	1	BCT CABLE ASSEMBLY
⑨	1	CABLE ANCHOR BOX
⑩	1	STRUT & YOKE
⑪	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6½" LONG FOR SKT-350, ET-2000 AND ET-2000 PLUS
⑫	3	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	1	ET-2000/ET-2000 PLUS GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD: AS FURNISHED BY MANUFACTURER
⑭	1	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
⑮	1	E.A.T. MARKER POST

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS. IF NONE ARE AVAILABLE, INSTALL ⅝" ø X 1'-6" BUTTON HEAD BOLTS AT ALL POSTS EXCEPT FOR POST 1.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) THE 13 SLOT FIRST RAIL PANEL MAY BE USED IN LIEU OF THE 3 SLOT RAIL PANEL ON SKT-350 ONLY.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 THROUGH 4 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 5 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

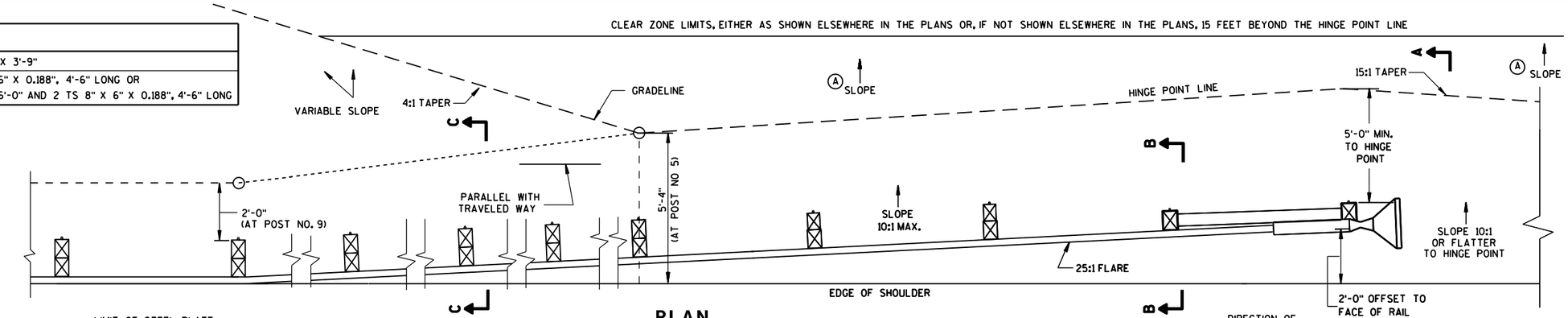
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

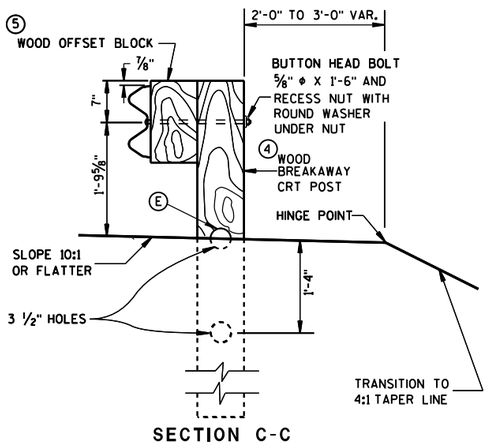
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

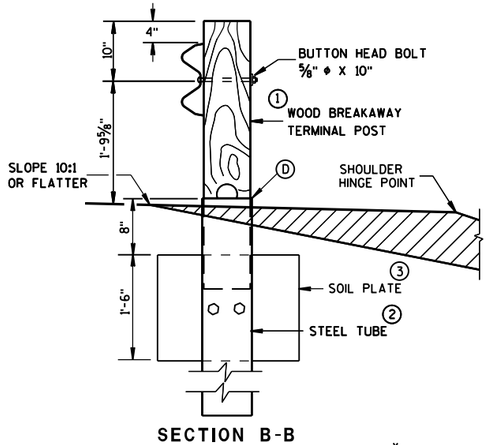
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

** SDD SHOWS 4 - 54 INCH STEEL TUBES WITH SOIL PLATES INSTALLED ON POST 1 AND POST 2. POST 3 AND 4 DO NOT NEED SOIL PLATES. AN ALTERNATIVE INSTALLATION WOULD CONSIST OF 2 - 72 INCH STEEL TUBES ON POST 1 AND POST 2 AND 54 INCH SOIL TUBES ON POSTS 3 AND 4. THE ALTERNATIVE INSTALLATION DOES NOT REQUIRE SOIL PLATES.

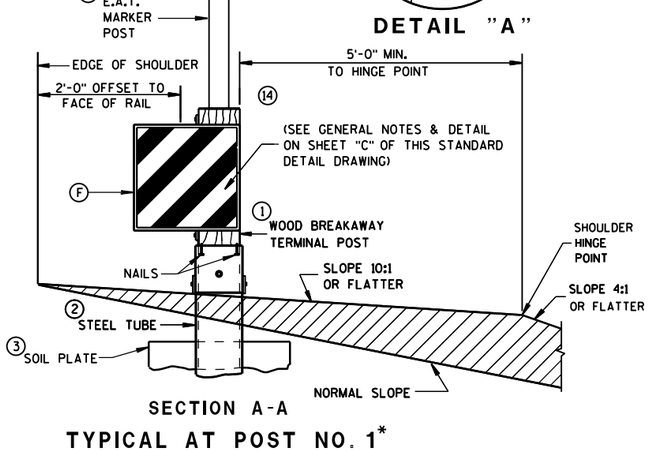




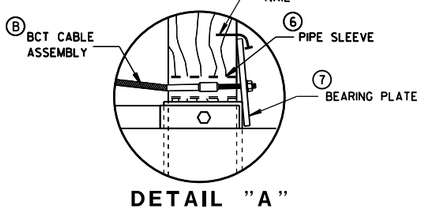
SECTION C-C
TYPICAL AT POST NOS. 6, 8



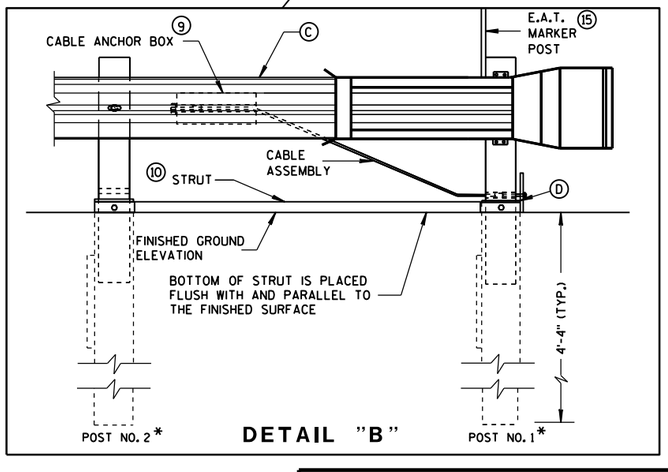
SECTION B-B
TYPICAL AT POST NO. 2*



SECTION A-A
TYPICAL AT POST NO. 1*



DETAIL "A"



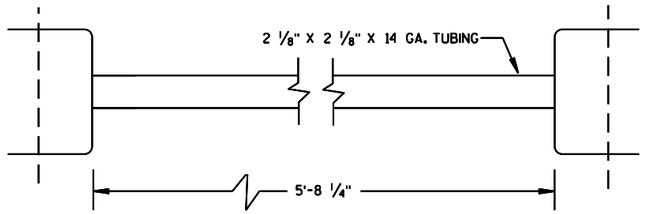
DETAIL "B"

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

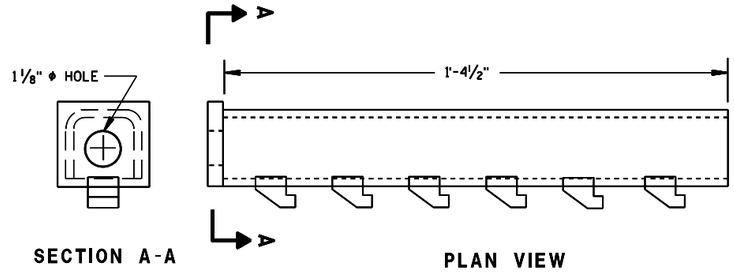
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

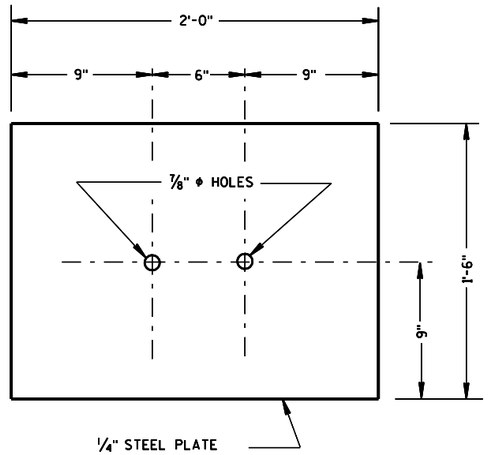
S.D.D. 14 B 24-8a



⑩ STRUT DETAIL (SKT-350)

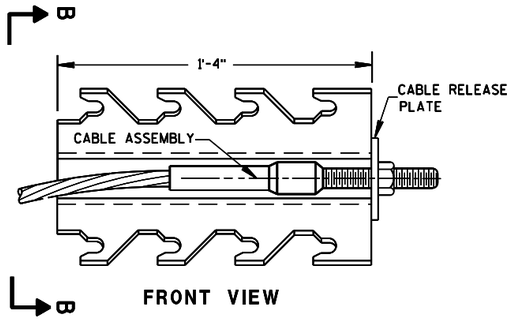


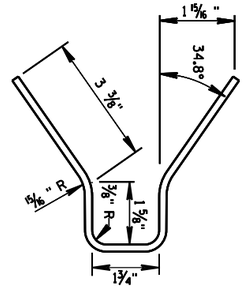
⑨ CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



③ SOIL PLATE

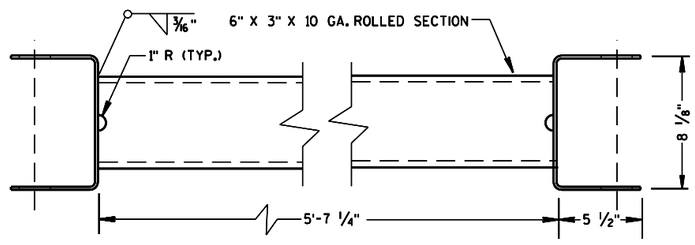
(SKT-350, ET-2000/ET-2000 PLUS)





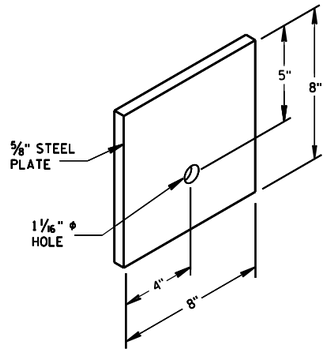
⑨ CABLE ANCHOR BOX (SKT-350)

(SKT-350)



⑩ STRUT DETAIL (ET-2000/ET-2000 PLUS)

(ET-2000/ET-2000 PLUS)



⑦ STEEL BEARING PLATE

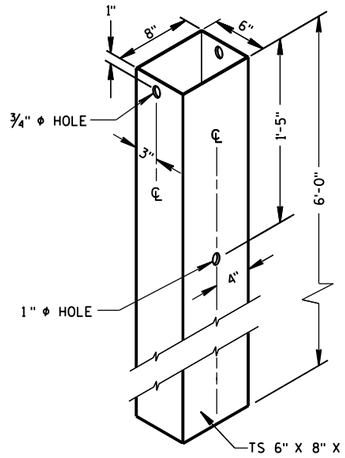
(SKT-350, ET-2000/ET-2000 PLUS)

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

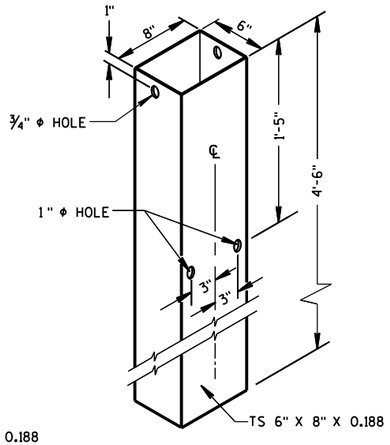
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

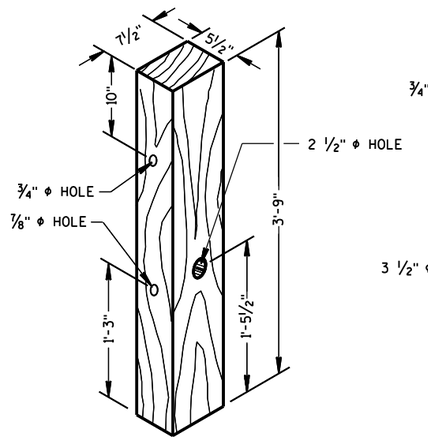
S.D.D. 14 B 24-8b



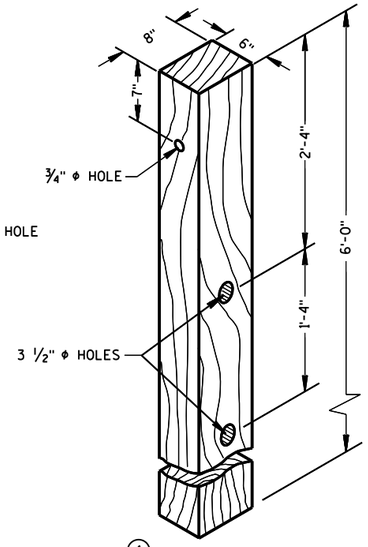
② 72" STEEL TUBE
(POSTS NO. 1-4



② 54" STEEL TUBE
(POSTS NO. 1-4



① TERMINAL POST
(POSTS NO. 1-4



④ CRT POST
(POSTS NO'S 5-8

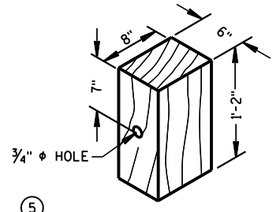
WOOD BREAKAWAY POSTS

GENERAL NOTES

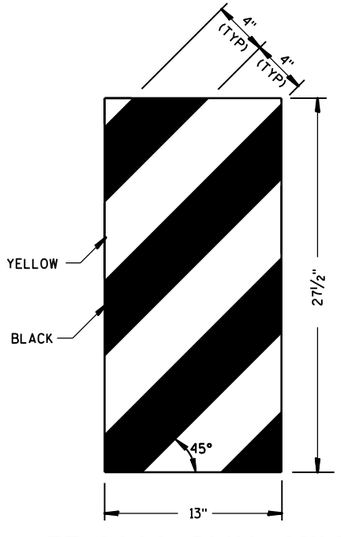
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.

SEE APPROVED PRODUCTS LIST FOR ACCEPTABLE E. A. T. MARKER POST.

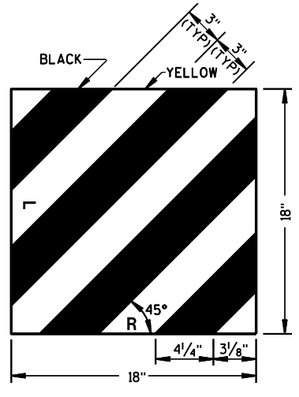
(G) ½" DIA. X 3" LAG BOLT WITH WASHER.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

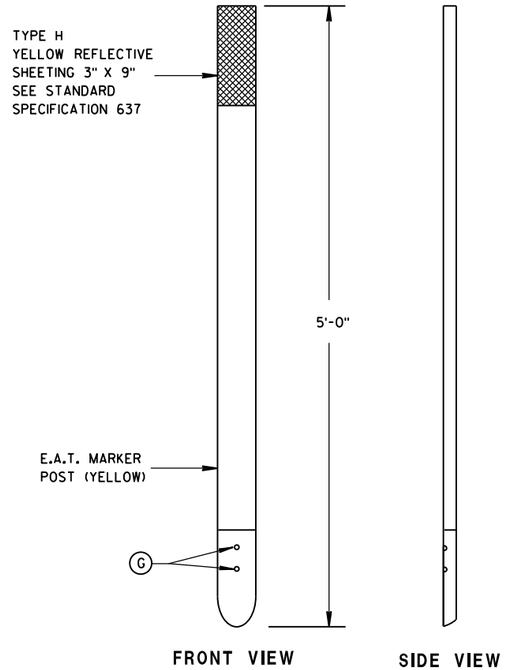


ET-2000 PLUS ONLY



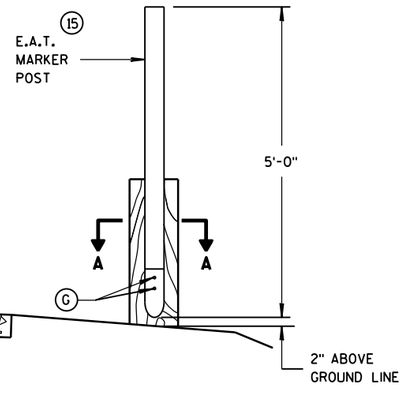
ET-2000 AND SKT-350

⑭ REFLECTIVE SHEETING DETAILS

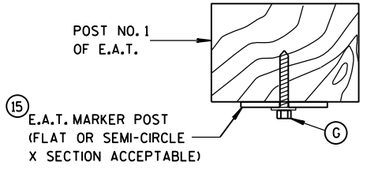


FRONT VIEW SIDE VIEW

⑮ E.A.T. MARKER POST



TYPICAL INSTALLATION OF E.A.T.
MARKER POST BACKSIDE OF POST NO. 1
(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

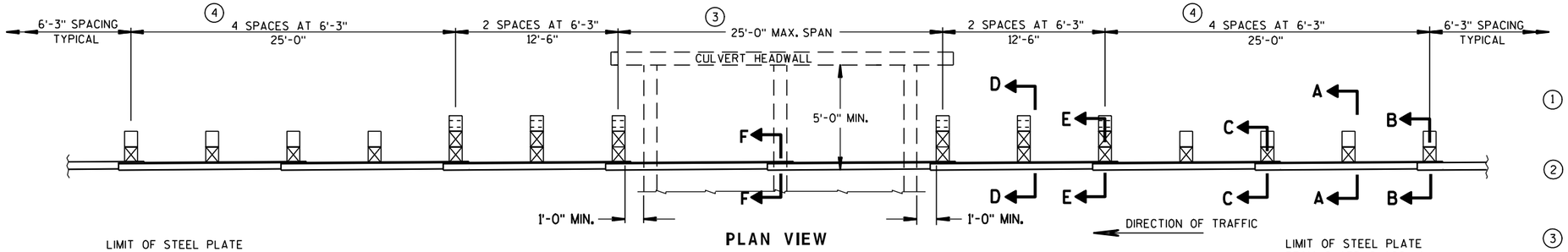
APPROVED
June 2014 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

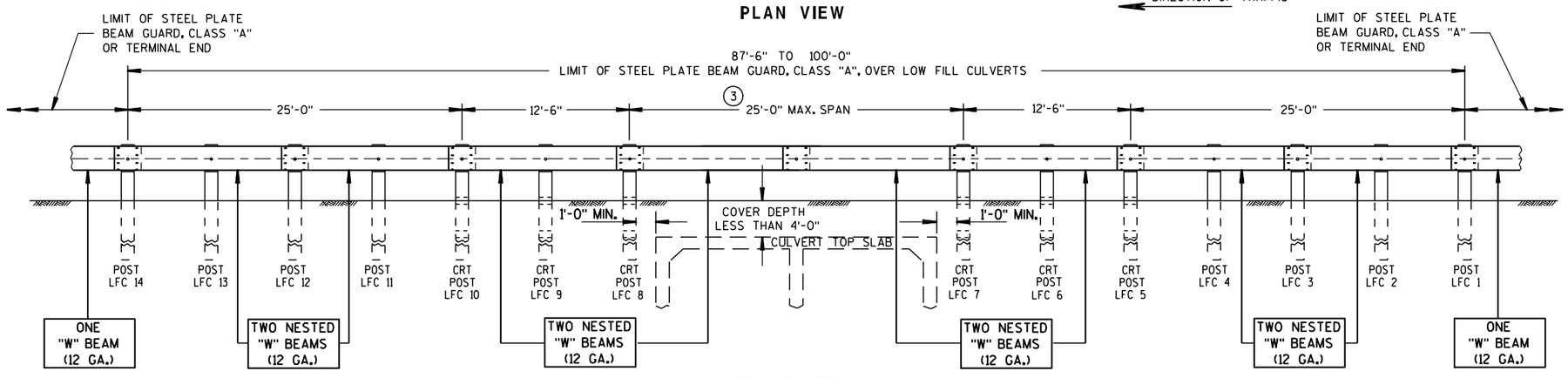
S.D.D. 14 B 24-8c

6

S.D.D. 14 B 24-8c



PLAN VIEW



FRONT VIEW

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD OVER LOW FILL CULVERTS

GENERAL NOTES

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

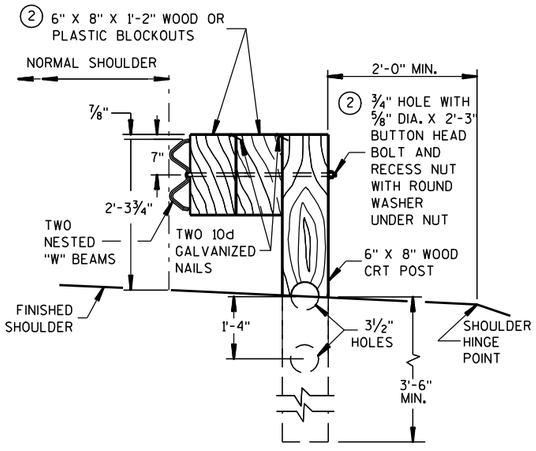
(1) MAINTAIN THE NESTING OF EACH NESTED PAIR OF "W" BEAM SECTIONS THROUGH SPLICES. ORIENTATE NESTED "W" BEAM SPLICES IN THE DIRECTION OF TRAFFIC AS THE PLAN VIEW SHOWS. SEE S.D.D. 14 B 15 FOR SPLICE INSTALLATION.

(2) THE CONTRACTOR MAY USE APPROVED PLASTIC BLOCKOUTS IN LIEU OF WOOD BLOCKOUTS. SEE S.D.D. 14 B 15 FOR TYPICAL BLOCKOUT, SPLICE AND REFLECTOR INSTALLATIONS. USE BOLT SIZES AND LENGTHS AS SHOWN ON THIS DETAIL.

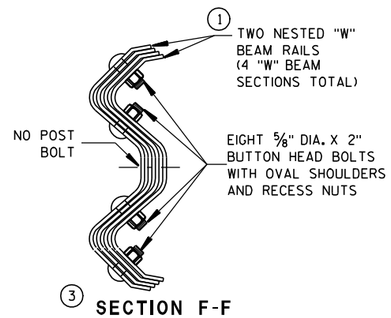
(3) PROVIDE 12'-6", 18'-9" AND 25'-0" SPANS ONLY. USE A MAXIMUM OF ONE SPLICE LOCATED ANYWHERE WITHIN THE SPAN SECTION. LOCATE ALL OTHER SPLICES AT BEAM GUARD POSTS.

(4) IN THE FIRST AND LAST 25 FOOT SECTIONS (POSTS LFC 1-4 & LFC 11-14), THE CONTRACTOR MAY USE W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS OR 6" X 8" WOOD POSTS WITH EITHER WOOD OR PLASTIC BLOCKOUTS. DO NOT MIX STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS AND WOOD POSTS WITH EITHER WOOD OR PLASTIC BLOCKOUTS IN THE SAME INSTALLATION.

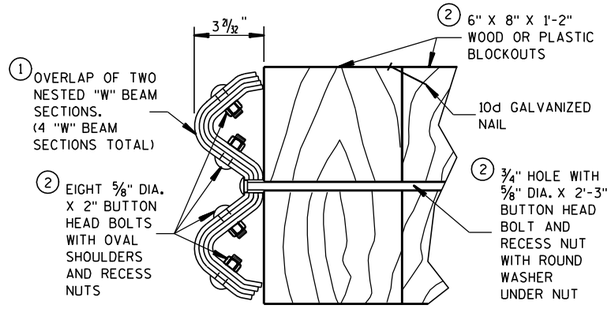
(5) WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK, THE PLAN TYPICAL SECTIONS OR DETAILS MAY SHOW, OR THE ENGINEER MAY ALLOW, THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. BUILD AS THE PLAN SHOWS OR ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST SOIL DEPTH TO 4'-6" OR MORE.



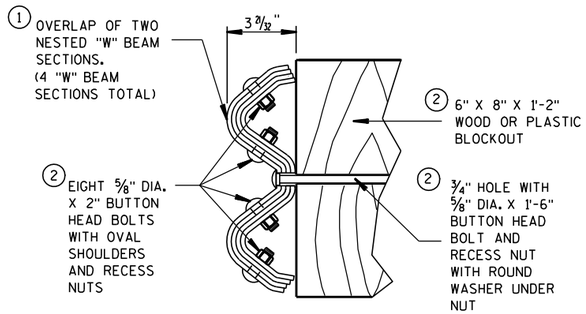
SECTION D-D
TYPICAL CRT POST LFC 6 AND 9



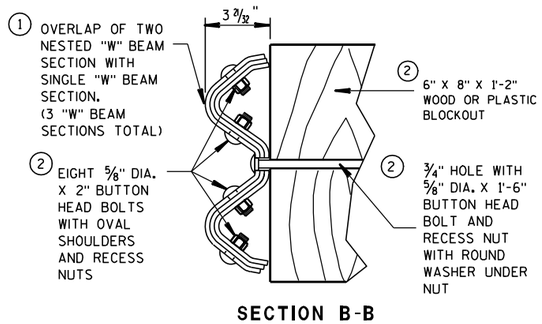
(3) SECTION F-F
BEAM SPLICE IN SPAN OVER CULVERT



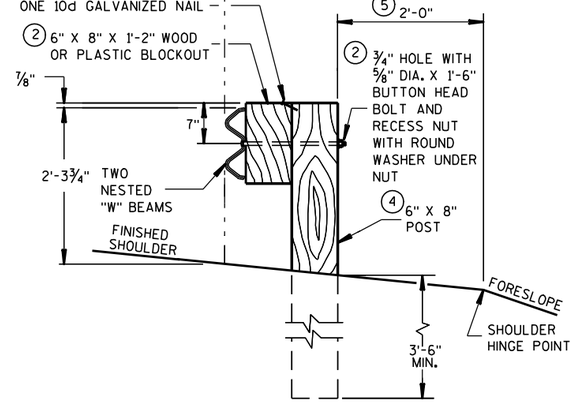
SECTION E-E
TYPICAL CRT POST LFC 5, 7, 8 AND 10



SECTION C-C
TYPICAL AT POSTS LFC 3 AND 12



SECTION B-B
TYPICAL AT POSTS LFC 1 AND 14



SECTION A-A
TYPICAL AT POST LFC 2,4,11,13

STEEL PLATE BEAM GUARD, CLASS "A", OVER LOW FILL CULVERTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

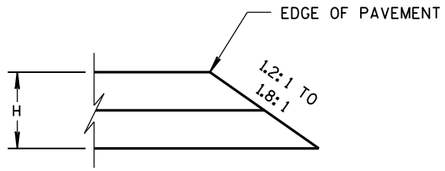
APPROVED
12/8/00 DATE
/S/ John Have... CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 25-1

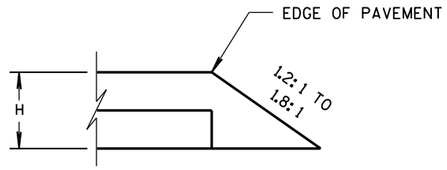
6

S.D.D. 14 B 25-1



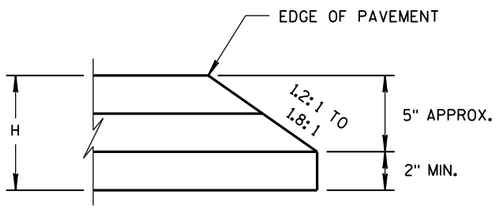
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



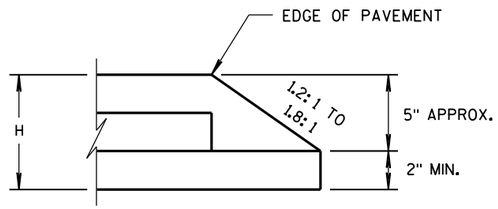
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

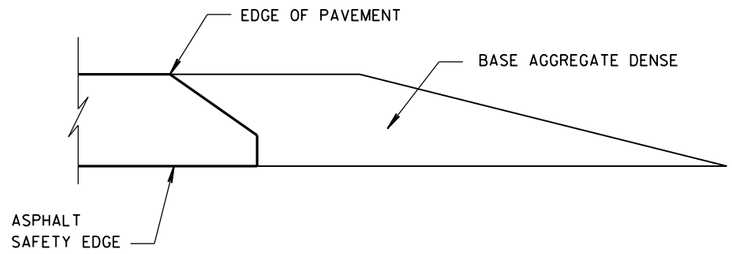
FOR H GREATER THAN 5"



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. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

GENERAL NOTES

1. WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

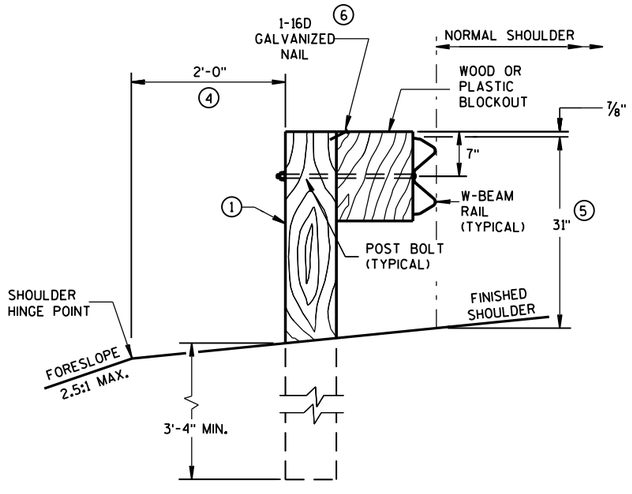
2. USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

3. IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

4. WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

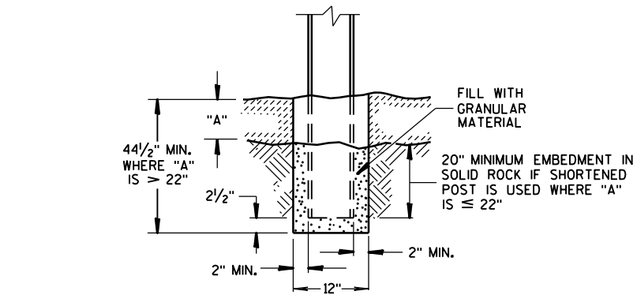
5. FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

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



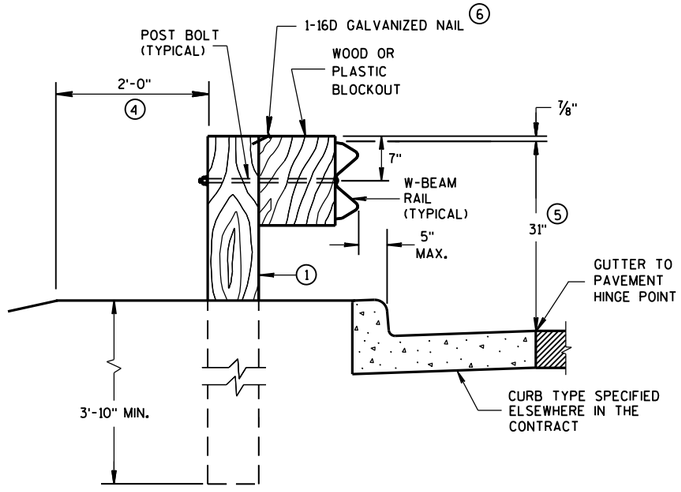
END VIEW

LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



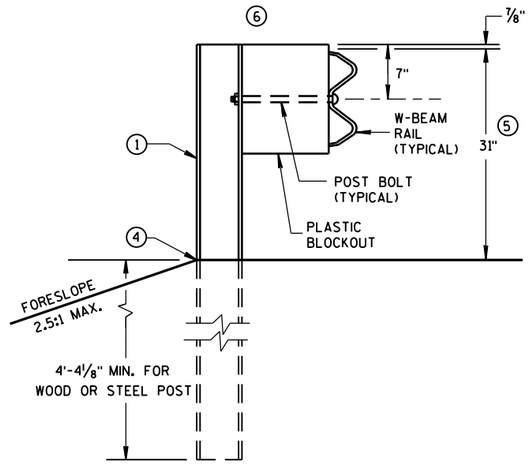
END VIEW

SETTING STEEL OR WOOD POST IN ROCK ③



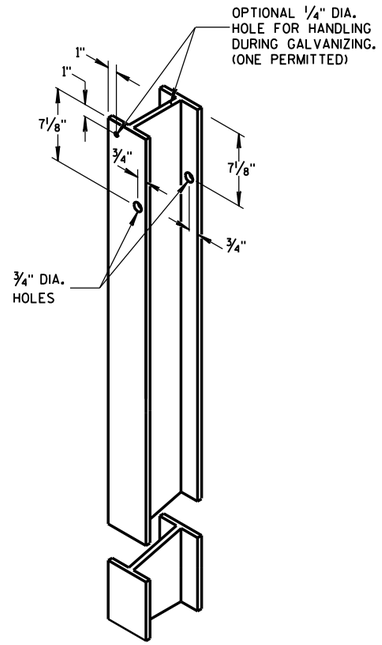
END VIEW

LOCATED ALONG A CURBED ROADWAY

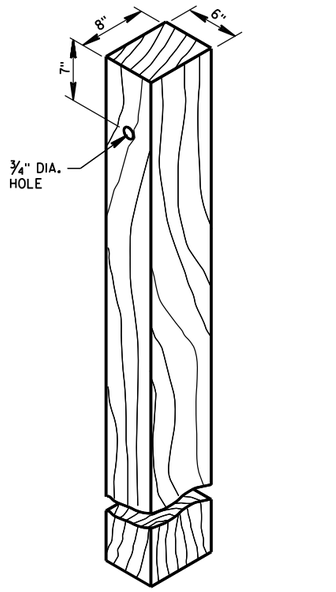


END VIEW

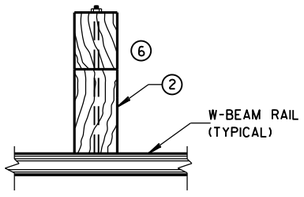
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



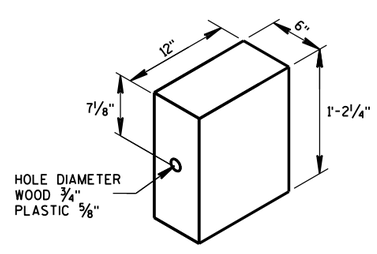
STEEL POST &
HOLE PUNCHING DETAIL
(w6X9) ①



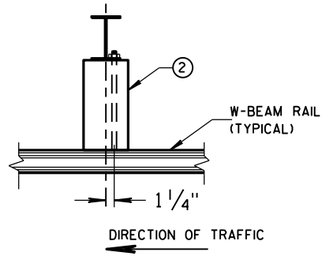
WOOD POST
(6" X 8") NOMINAL ①



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



WOOD OR
PLASTIC BLOCKOUT ②



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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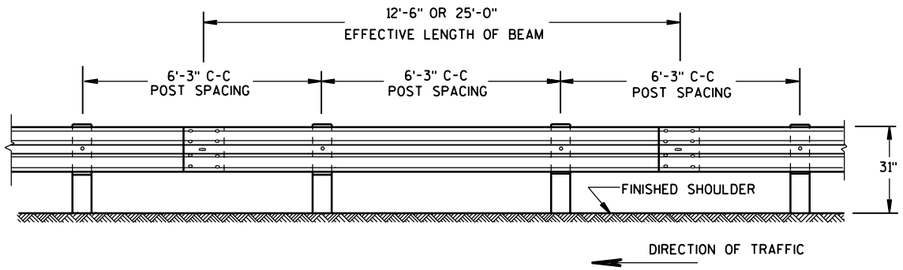
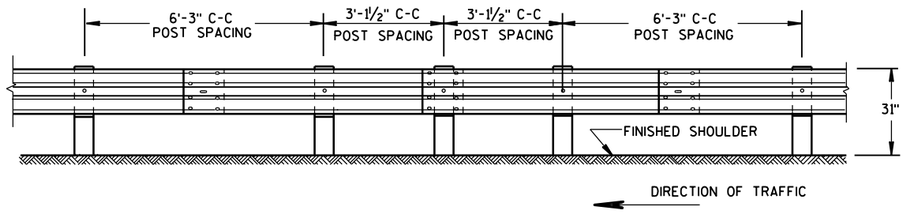
S.D.D. 14 B 42-3a



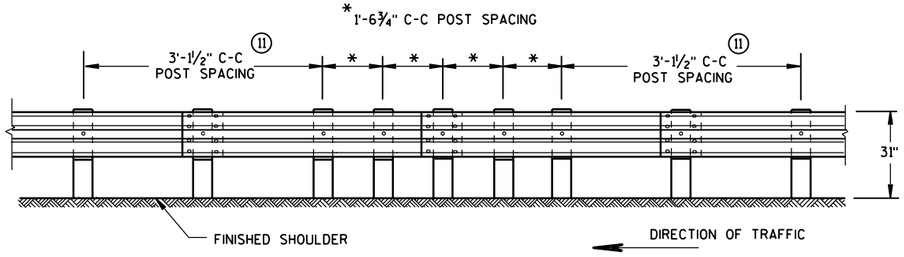
FRONT VIEW

POST SPACING STANDARD INSTALLATION



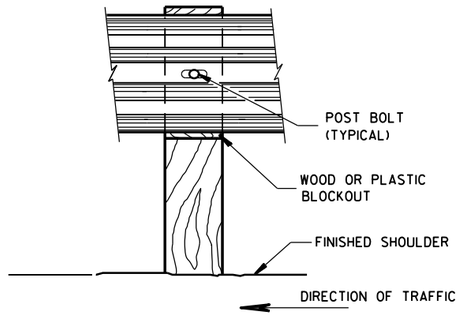
FRONT VIEW

HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

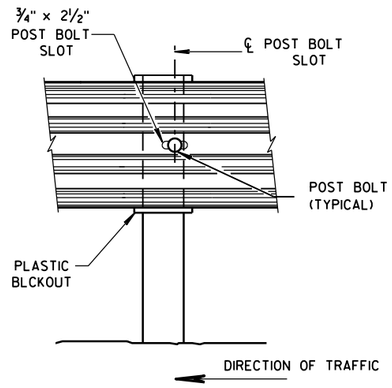


FRONT VIEW

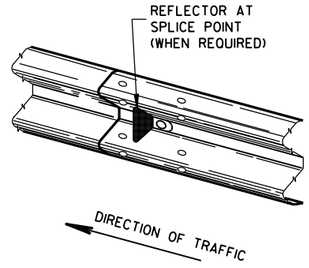
QUARTER POST SPACING (QS)

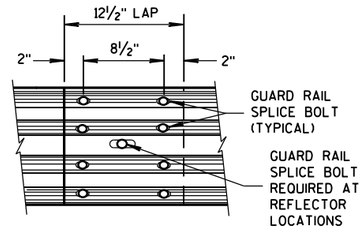


FRONT VIEW AT WOOD POST



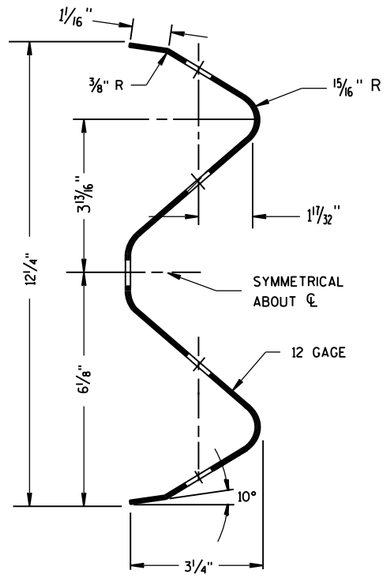
FRONT VIEW AT STEEL POST



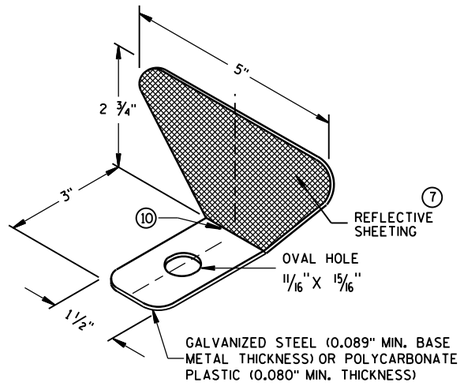


FRONT VIEW

MID-SPAN BEAM SPLICE



SECTION THRU W-BEAM RAIL



GENERAL NOTES

⑦ PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.

⑨ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.

⑩ PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.

⑪ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

REFLECTOR SPACING ⑧

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 ⑨	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2	3
	> 200'	100' C-C	2 ⑩	

ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ⑦

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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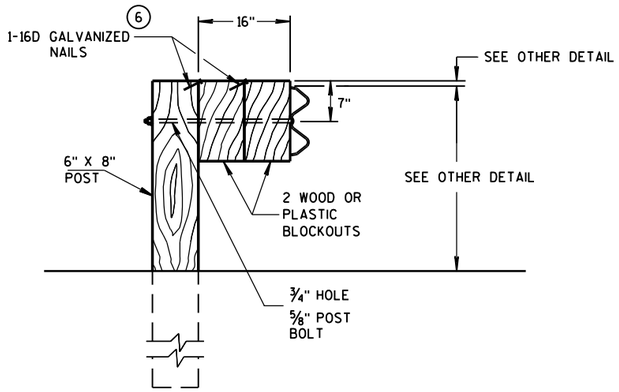
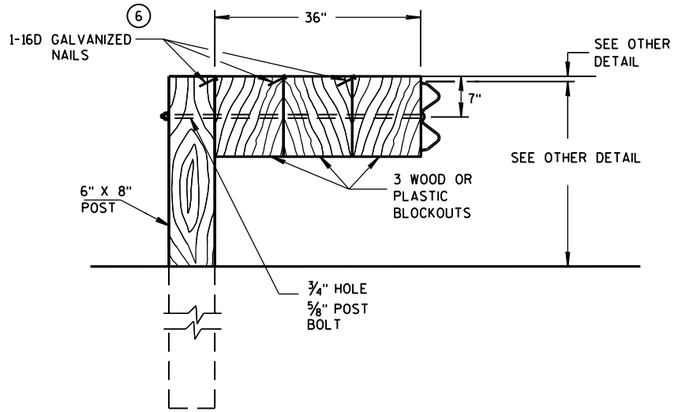
S.D.D. 14 B 42-3b



DETAIL FOR 16" BLOCKOUT DEPTH

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

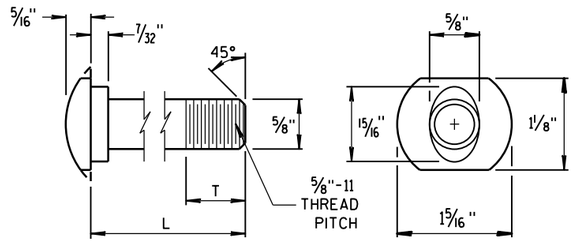


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

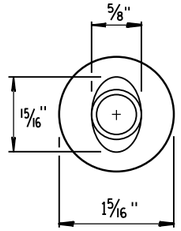
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".
2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

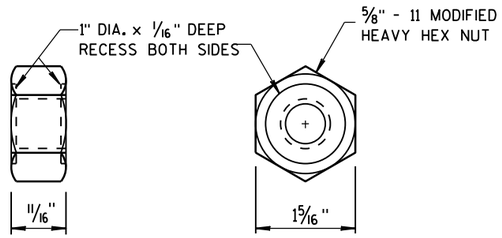


POST BOLT TABLE

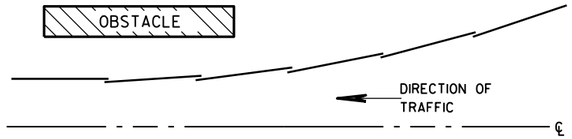
L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

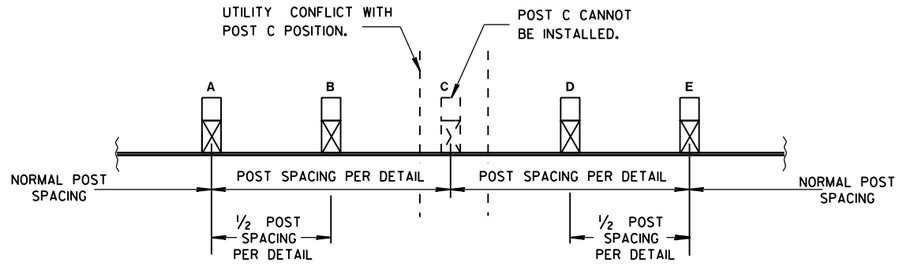


POST BOLT AND RECESS NUT

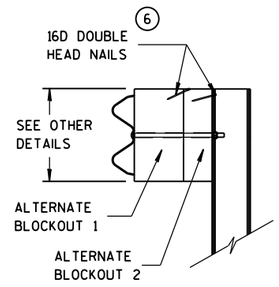


PLAN VIEW

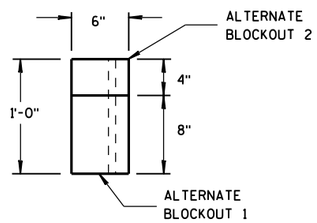
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6
S.D.D. 14 B 42-3c

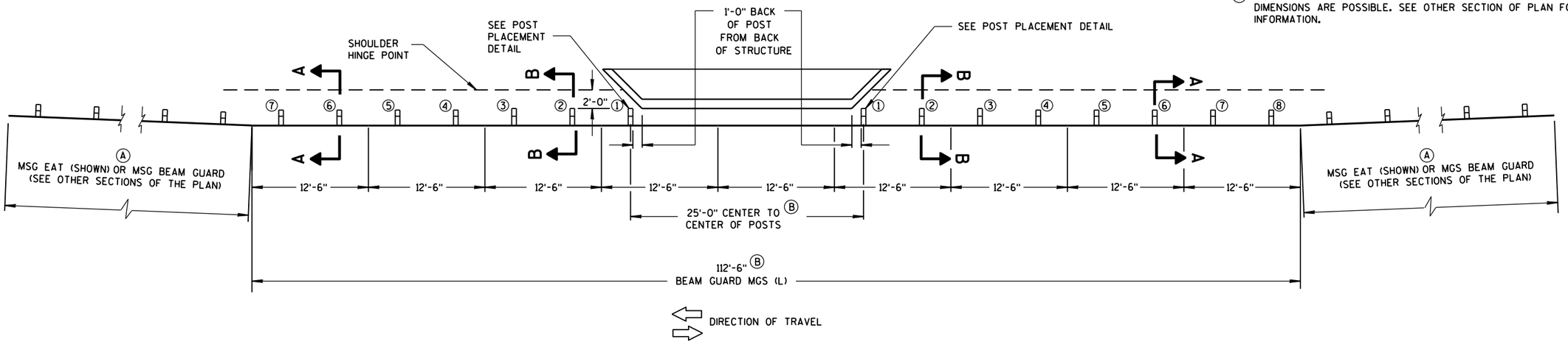
GENERAL NOTES

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

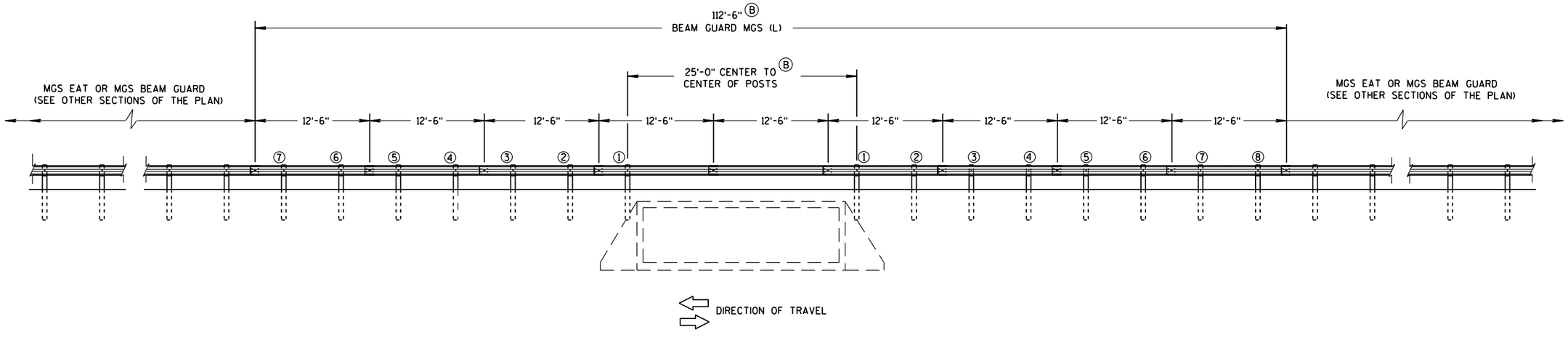
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



ELEVATION VIEW

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

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
STATE OF WISCONSIN DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 43-3a

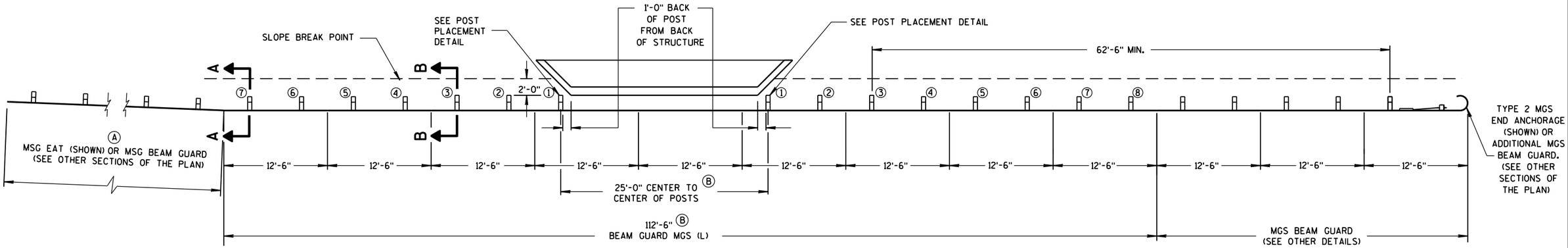
GENERAL NOTES

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

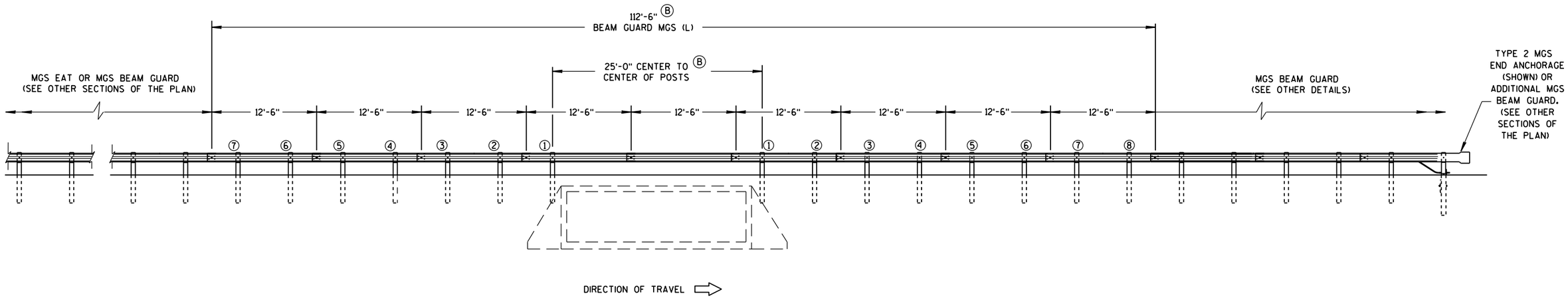
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



ELEVATION VIEW

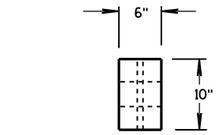
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

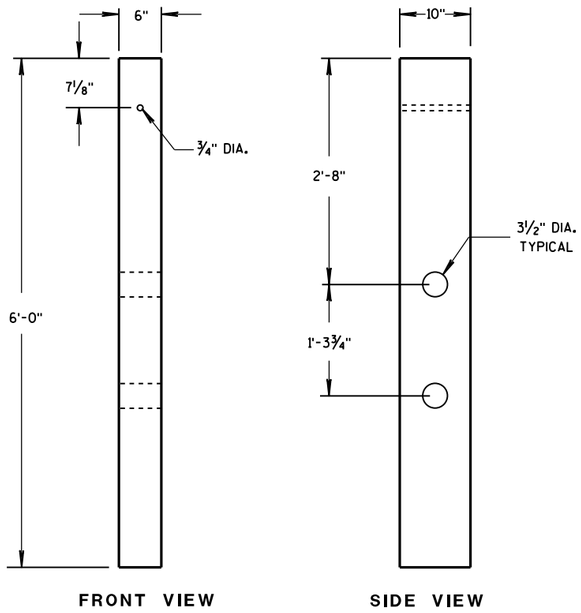
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 43-3b

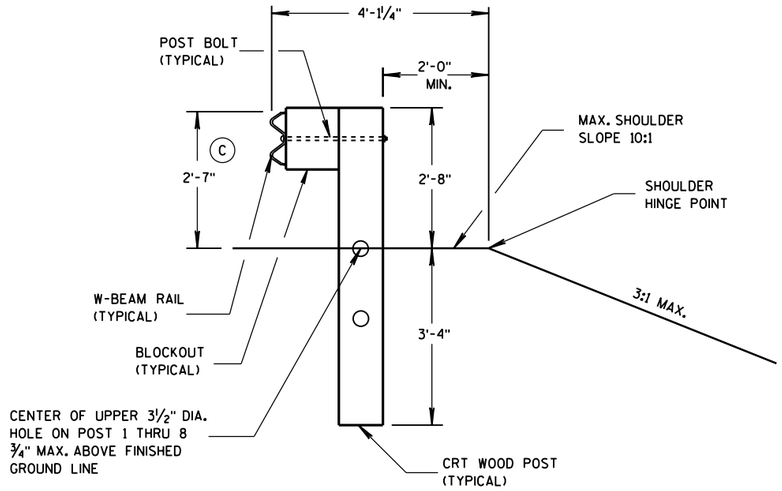


PLAN VIEW



FRONT VIEW SIDE VIEW

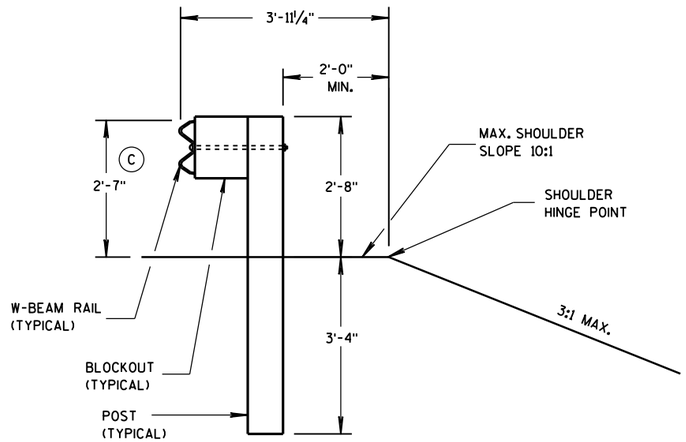
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



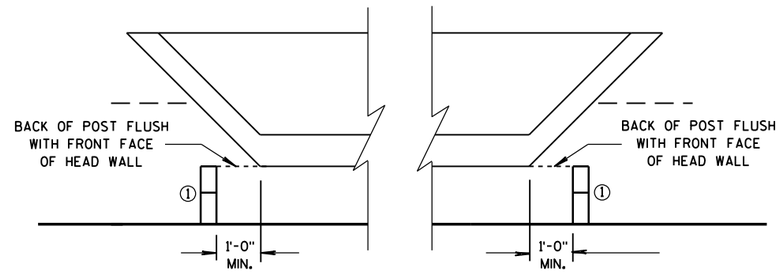
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

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



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/10/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

6

S.D.D. 14 B 43-3c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.

(D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

(G) ½" DIAMETER X 3" LONG LAG BOLT AND WASHER.

(H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.

(I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

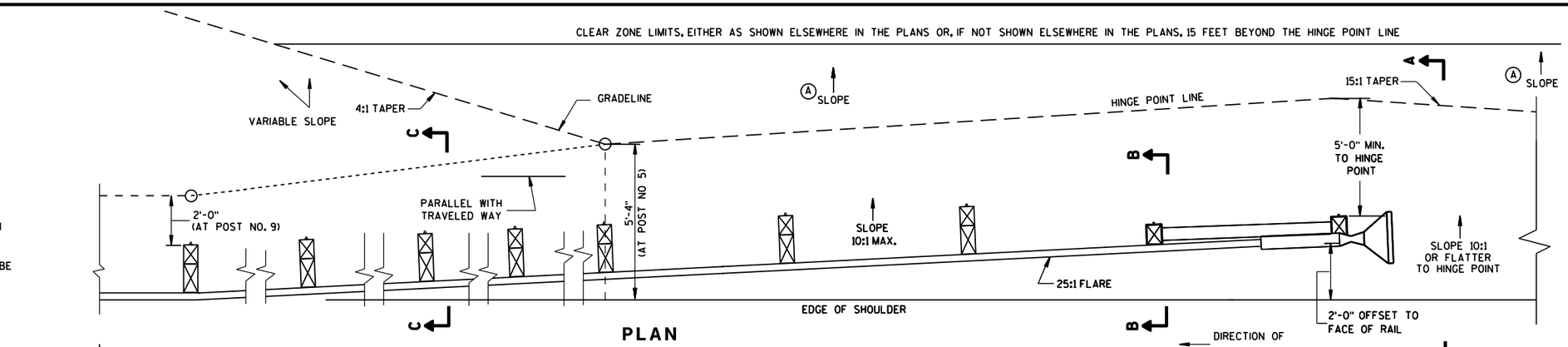
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

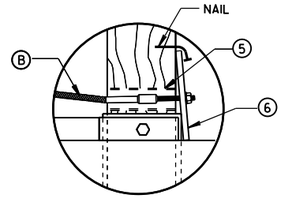
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

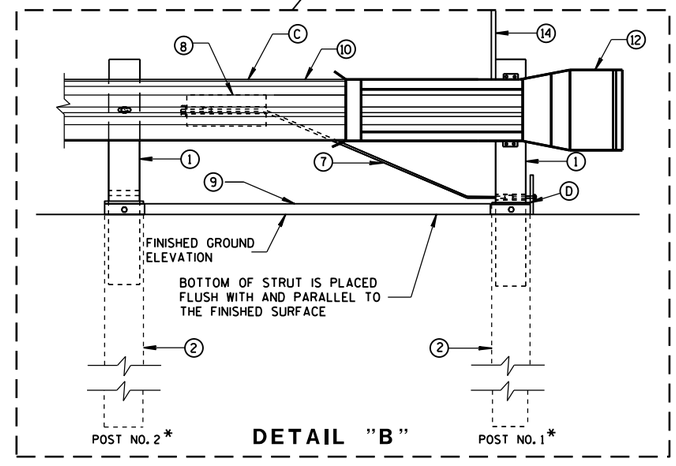
W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

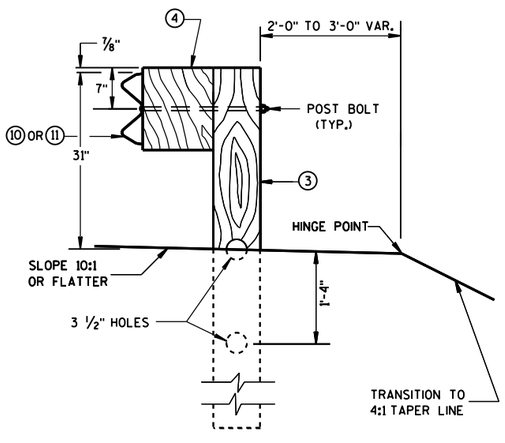
THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.



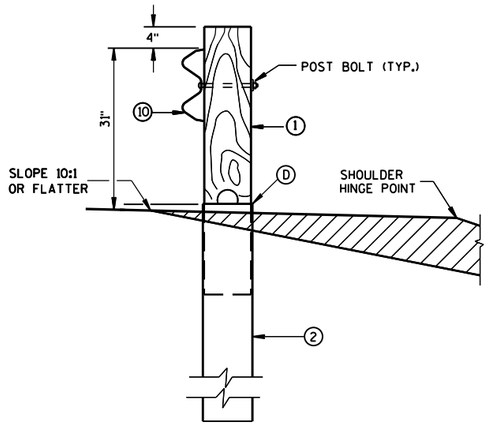
ELEVATION



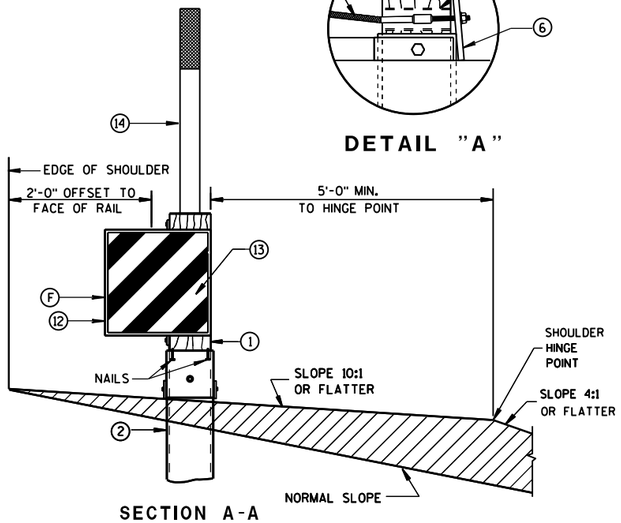




SECTION C-C
TYPICAL AT POST NOS. 3-9



SECTION B-B
TYPICAL AT POST NO. 2*



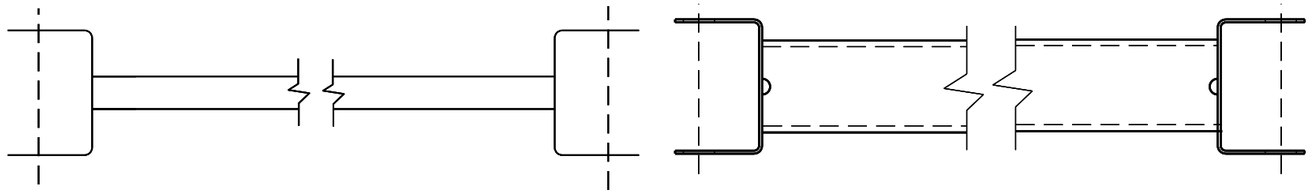
SECTION A-A
TYPICAL AT POST NO. 1*

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

S.D.D. 14 B 44-2a

S.D.D. 14 B 44-2a

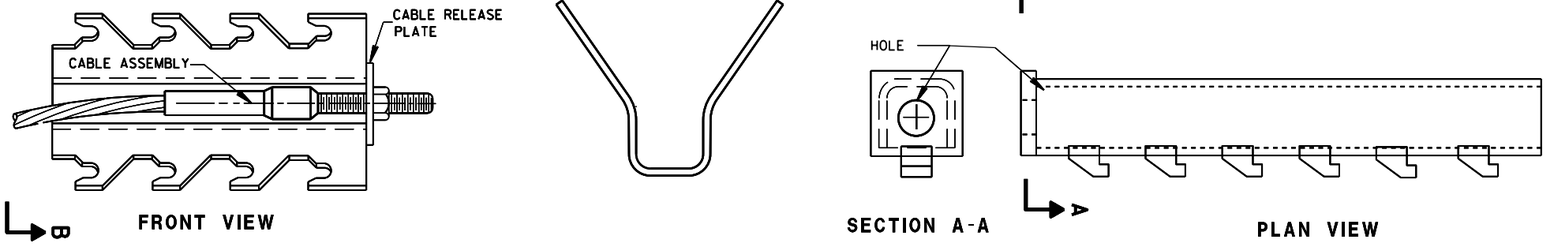


⑨ Ⓗ

GENERIC GROUND STRUT

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
①	WOOD BREAKAWAY POST
②	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	END SECTION EAT
⑬	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
⑭	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



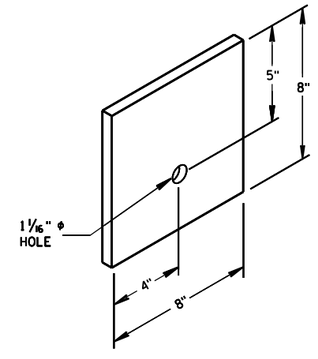
FRONT VIEW

SECTION B-B

SECTION A-A

PLAN VIEW

GENERIC ANCHOR CABLE BOX ⑧ Ⓗ



BEARING PLATE ⑥

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

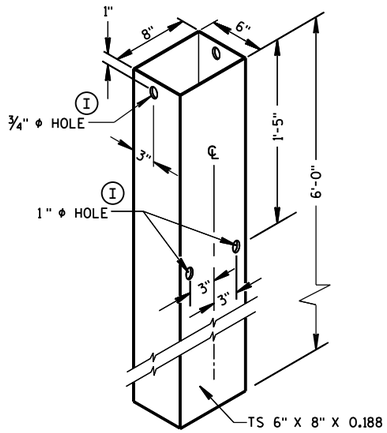
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

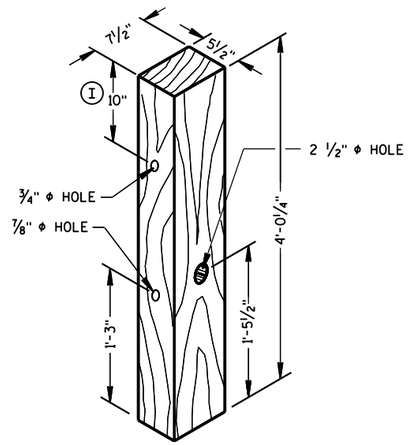
S.D.D. 14 B 44-2b

6

S.D.D. 14 B 44-2b

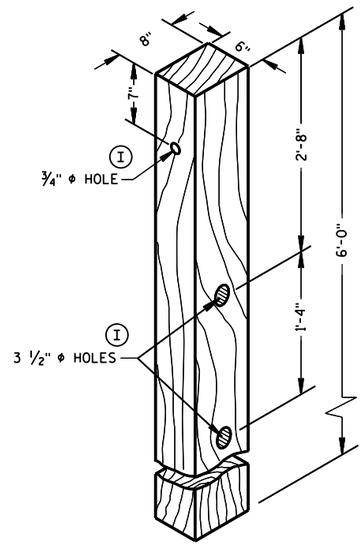


FOUNDATION TUBE (2)



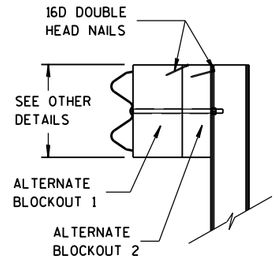
POSTS NUMBER 1 AND 2

WOOD BREAKAWAY POST (1)

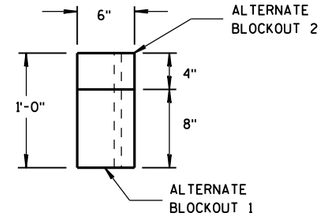


POSTS NUMBER 3-9

WOOD CRT POST (3)

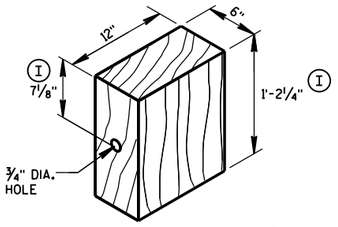


SIDE VIEW



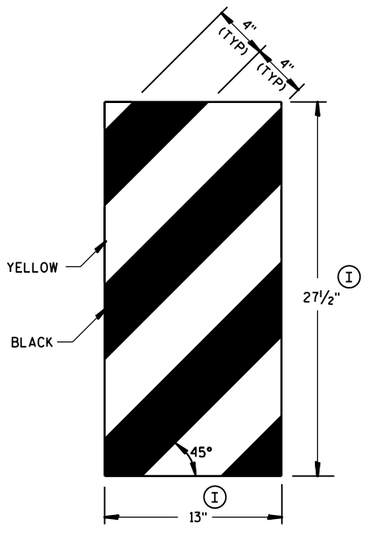
TOP VIEW

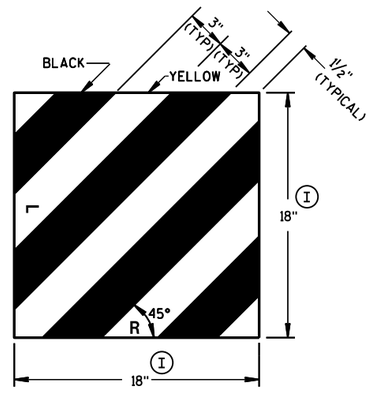
ALTERNATE WOOD BLOCKOUT DETAIL



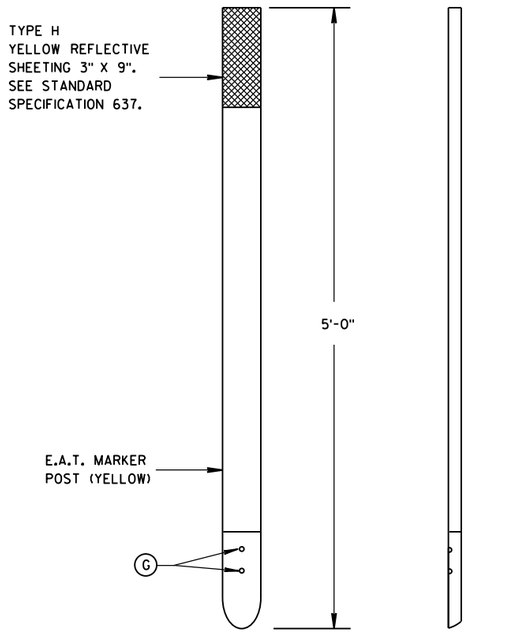
WOOD BLOCKOUT (4)

REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2





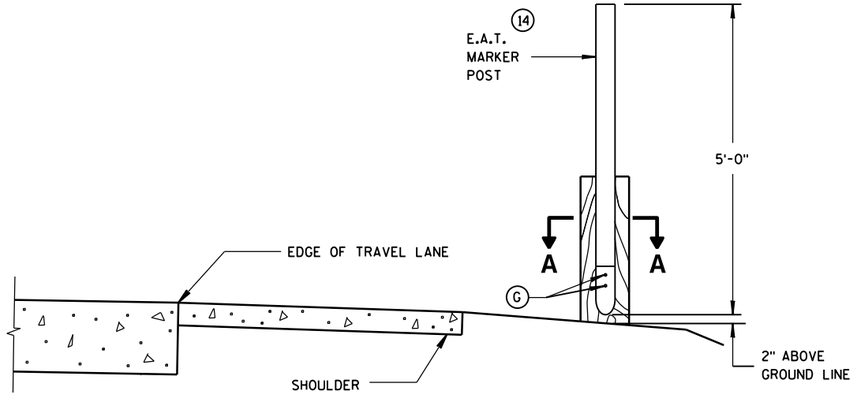
GENERIC REFLECTIVE SHEETING (13) (H)



FRONT VIEW

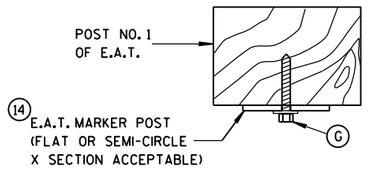
SIDE VIEW

E.A.T. MARKER POST (14)



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1

(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A

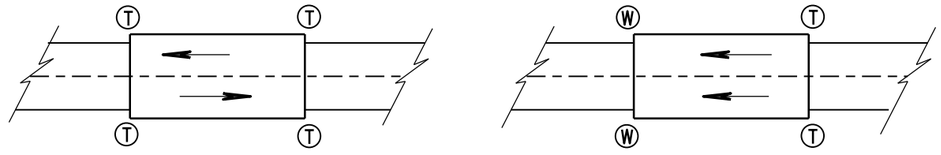
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 14 B 44-2c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

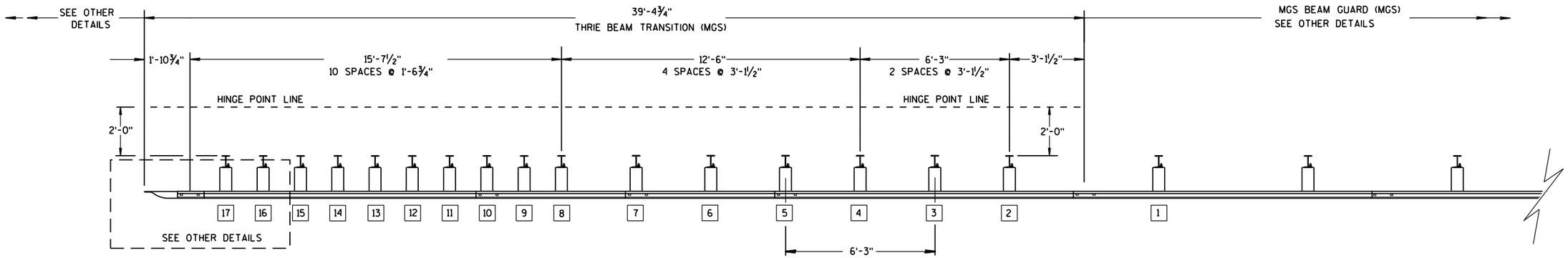
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

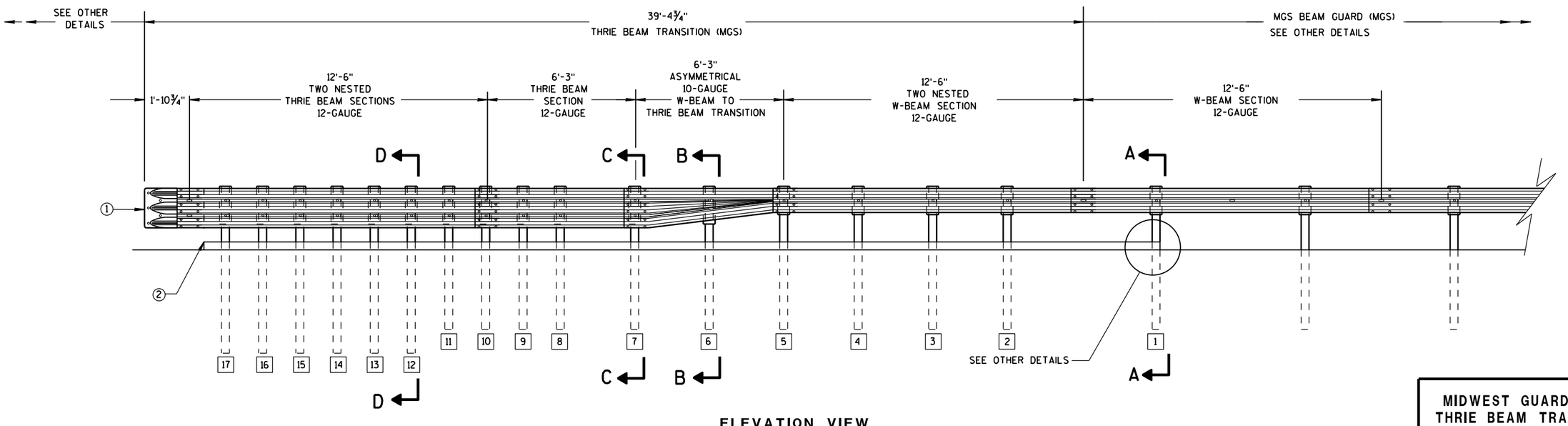
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPOR	190

6

S.D.D. 14 B 45-4a

6

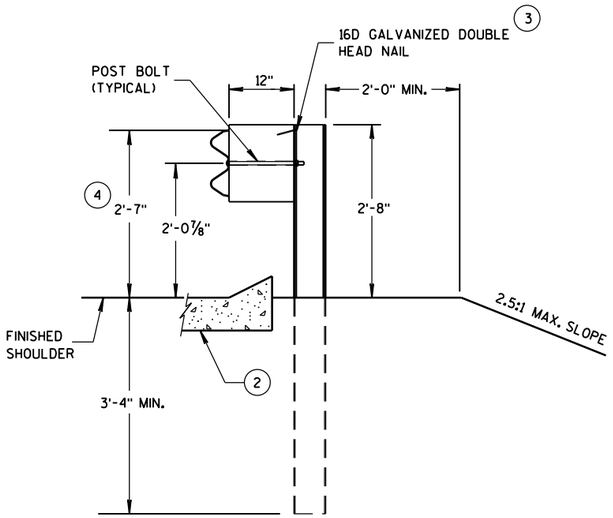
S.D.D. 14 B 45-4a

GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE_FEATURE SEE PLAN FOR INFORMATION.

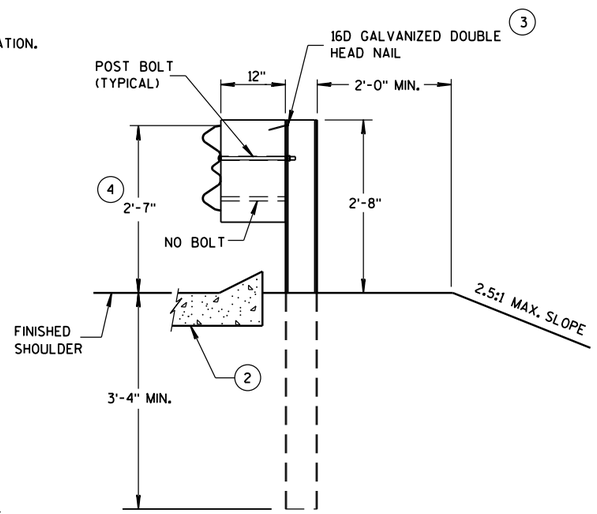
(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

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



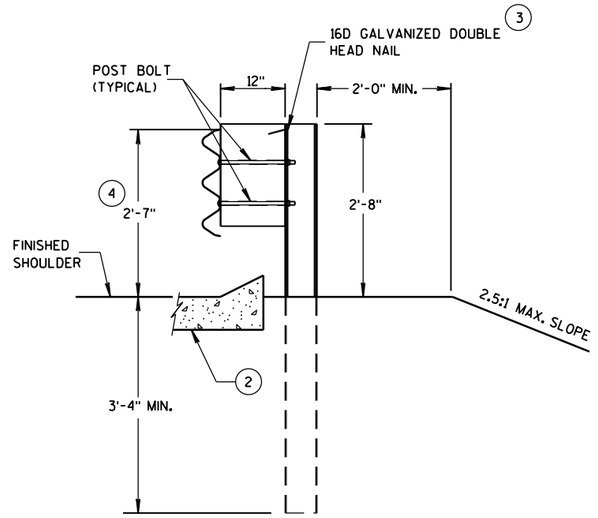
SECTION A-A

POSTS 1-5



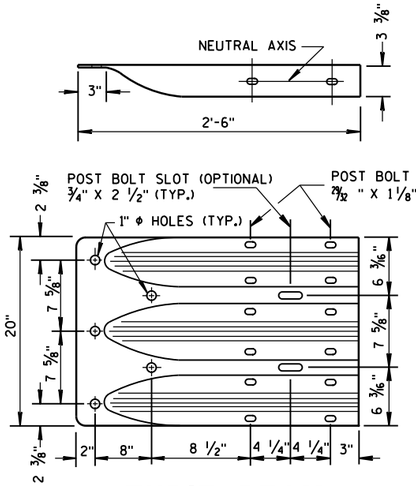
SECTION B-B

POST 6



SECTION C-C

POSTS 7-11



THRIE BEAM TERMINAL CONNECTOR

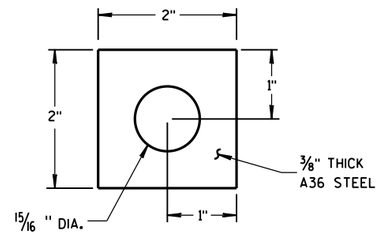
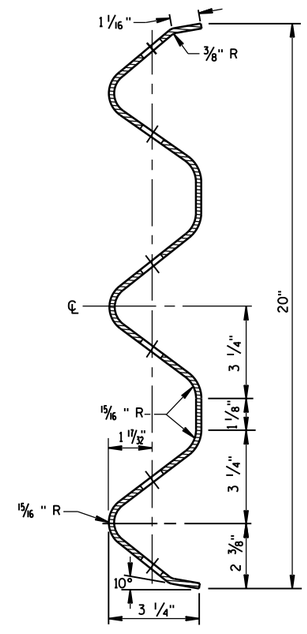
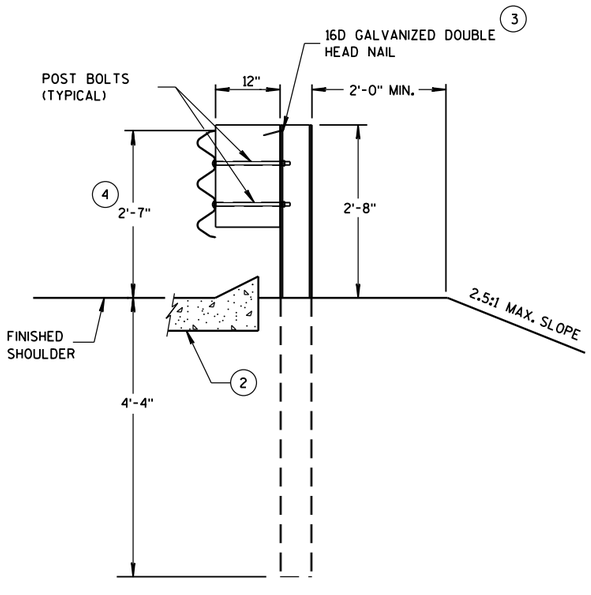


PLATE WASHER DETAIL

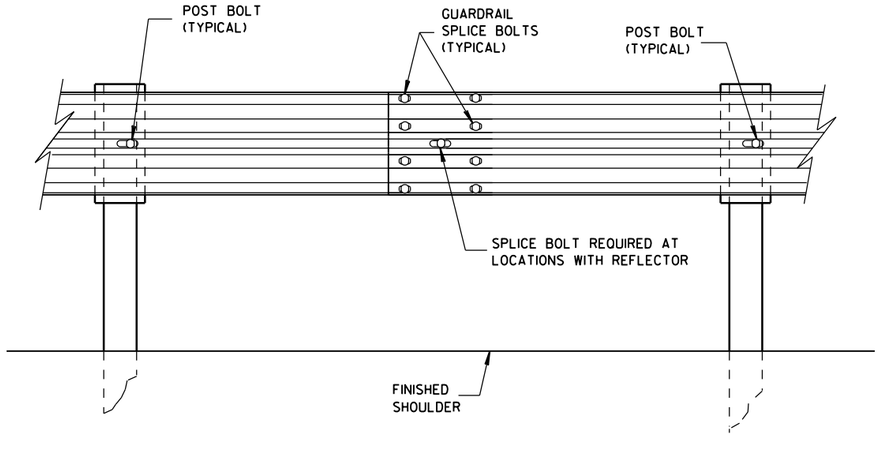


SECTION THRU THRIE BEAM RAIL ELEMENT



SECTION D-D

POSTS 12-17



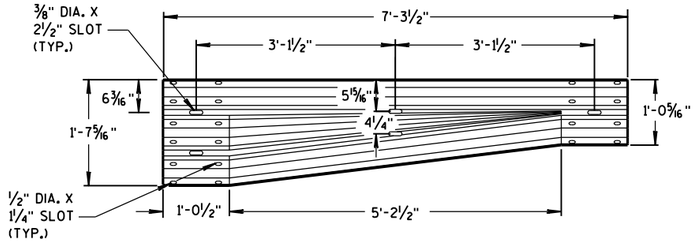
SPLICE DETAIL

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

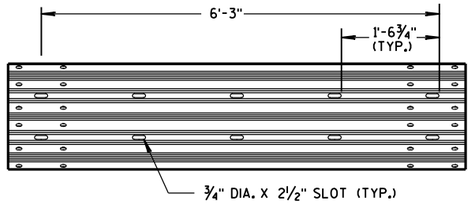
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

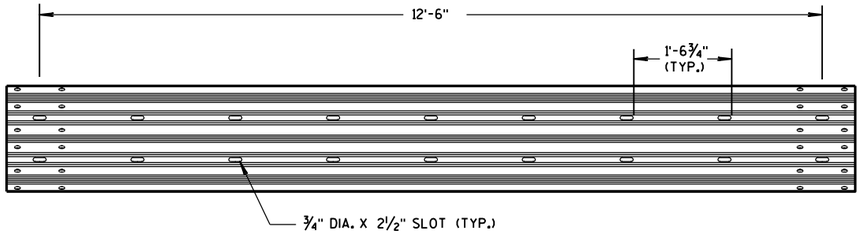
S.D.D. 14 B 45-4b



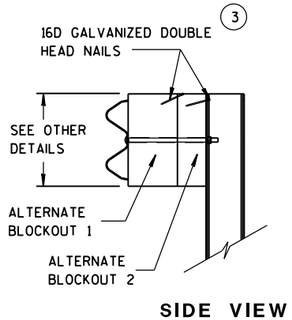
W-BEAM TO THRIE BEAM TRANSITION SECTION



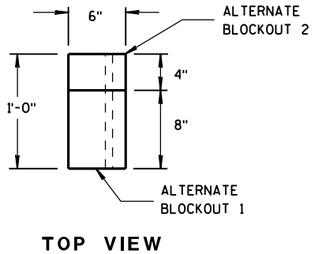
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

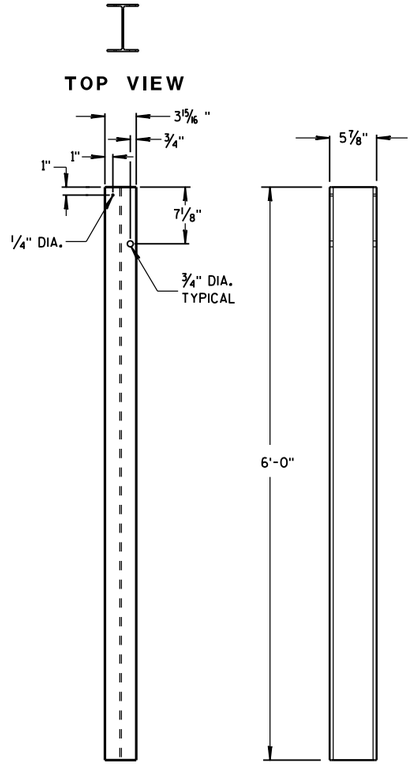


SIDE VIEW

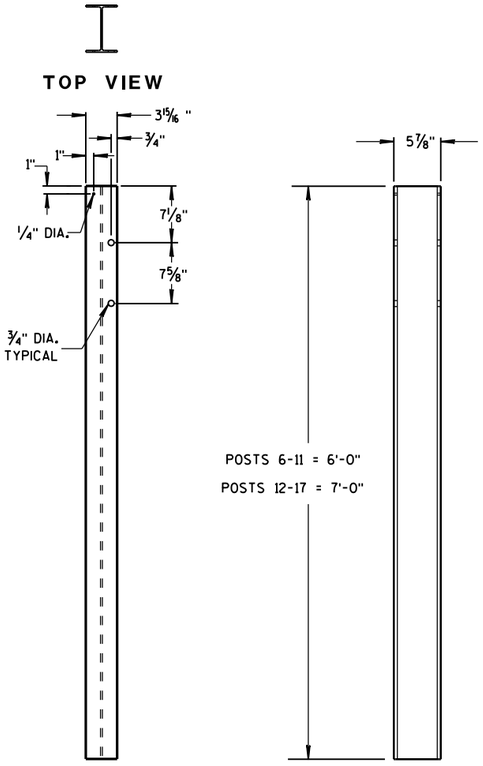


TOP VIEW

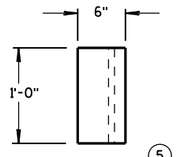
ALTERNATE WOOD BLOCKOUT DETAIL



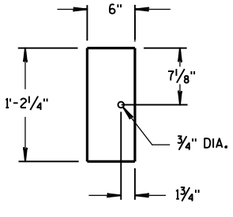
STEEL POSTS 1-5



STEEL POSTS 6-17

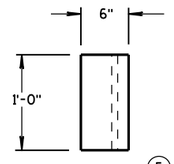


TOP VIEW (5)

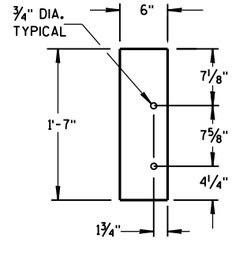


FRONT VIEW

BLOCKOUT POSTS 1-5



TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

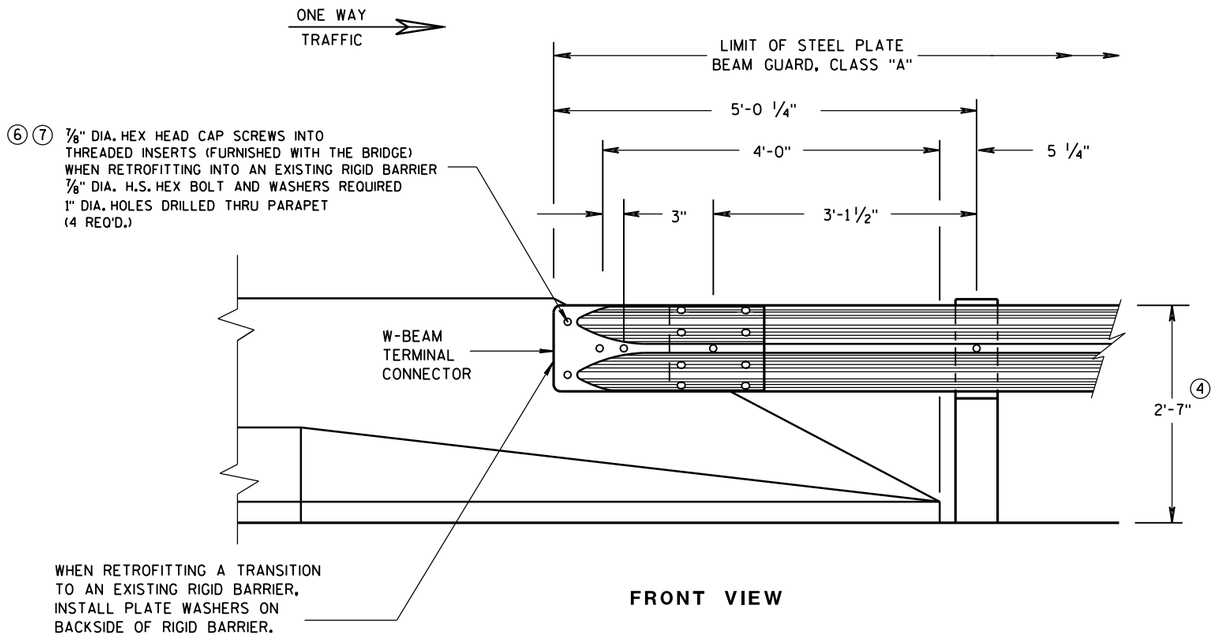
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 45-4c



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

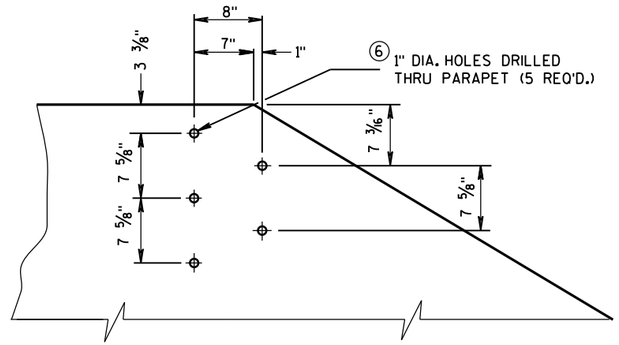
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

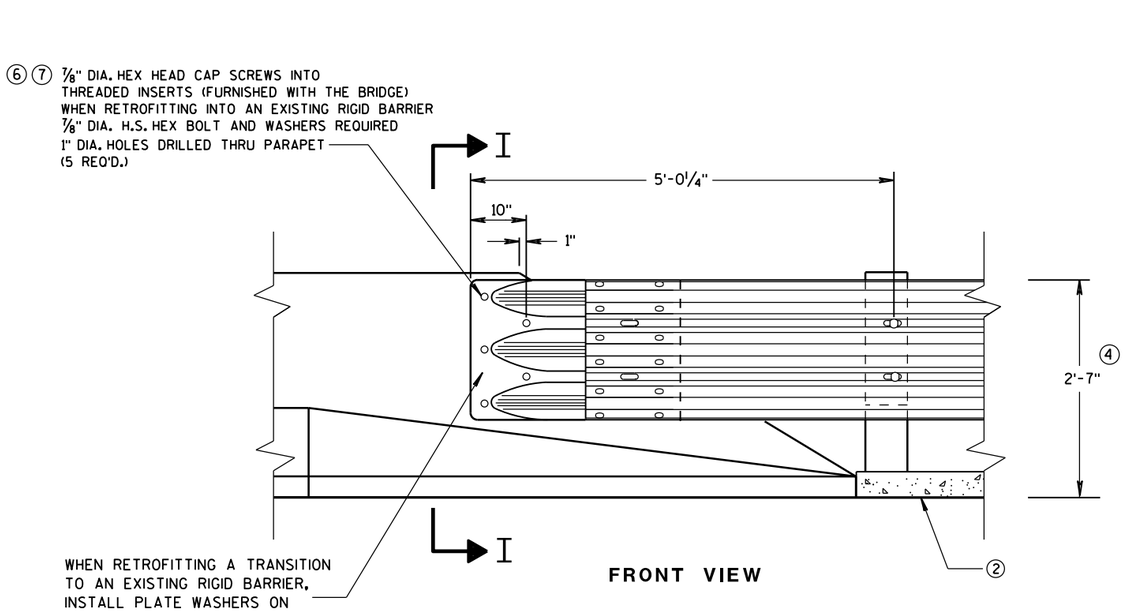
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

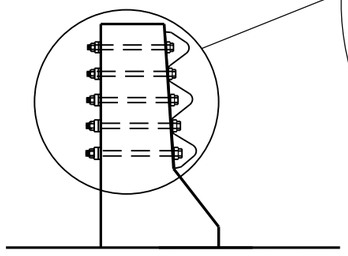
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



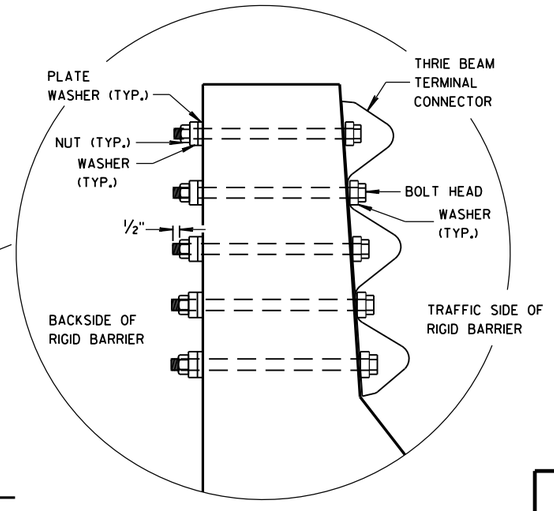
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 45-4f

6

S.D.D. 14 B 45-4f

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

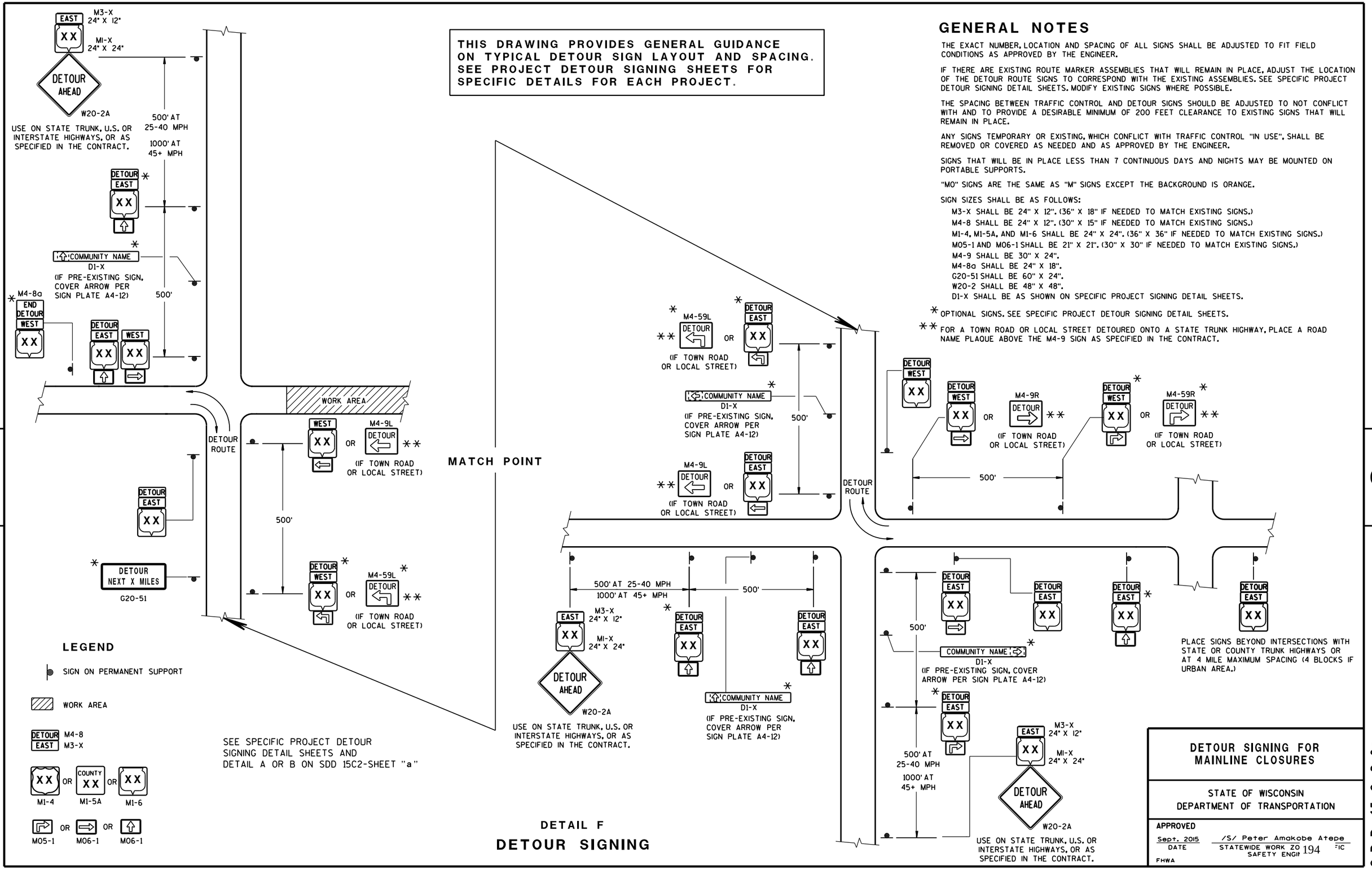
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

S.D.D. 15 C 2-6c

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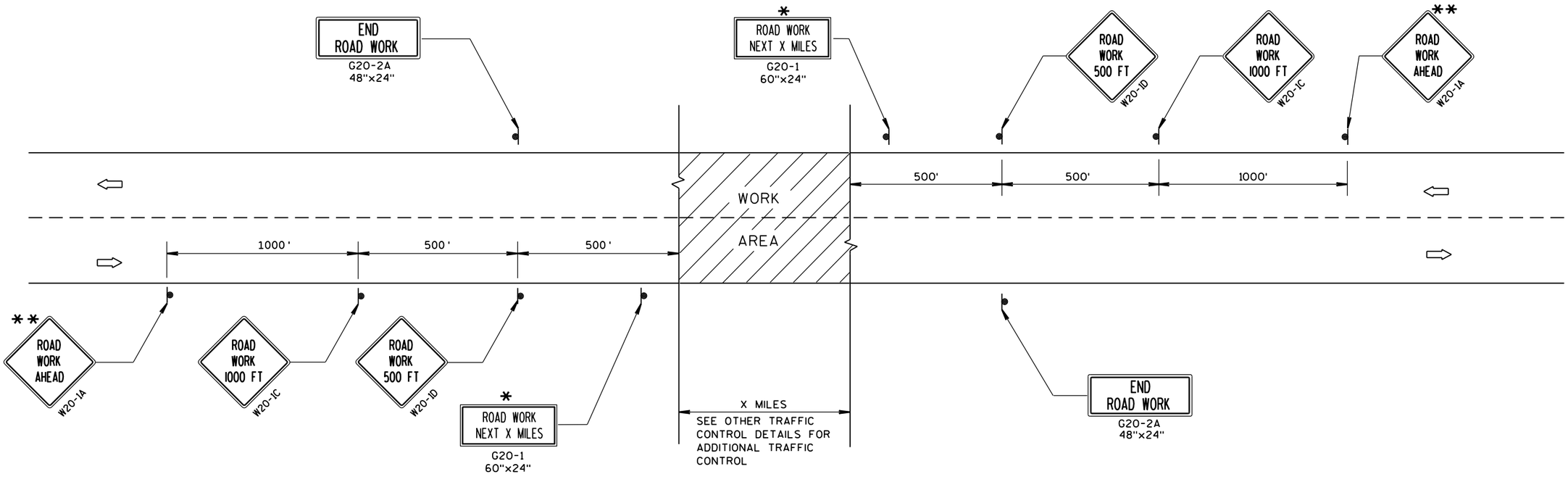


TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

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.

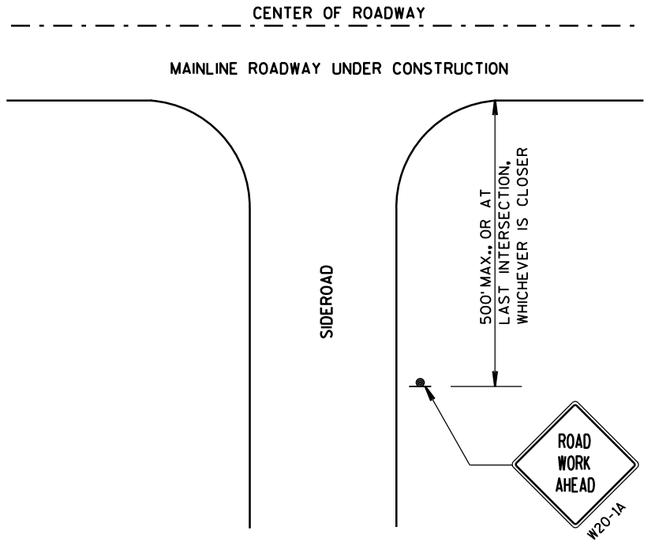
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

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

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



LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZOI SAFETY ENGIN IC

FHWA

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S.D.D. 15 C 4-3

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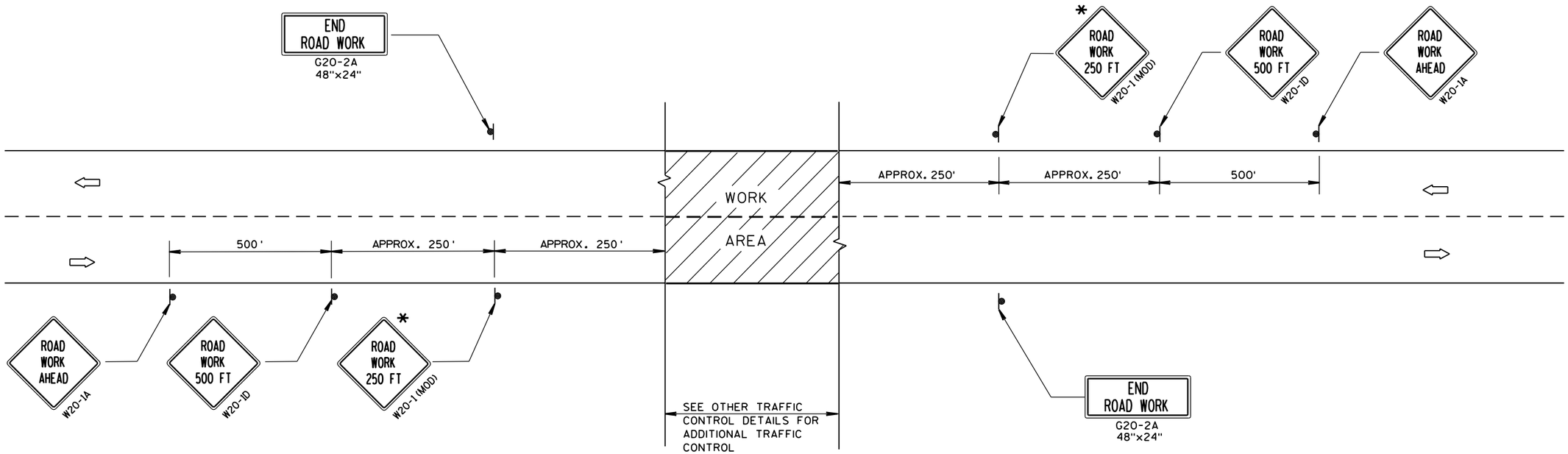
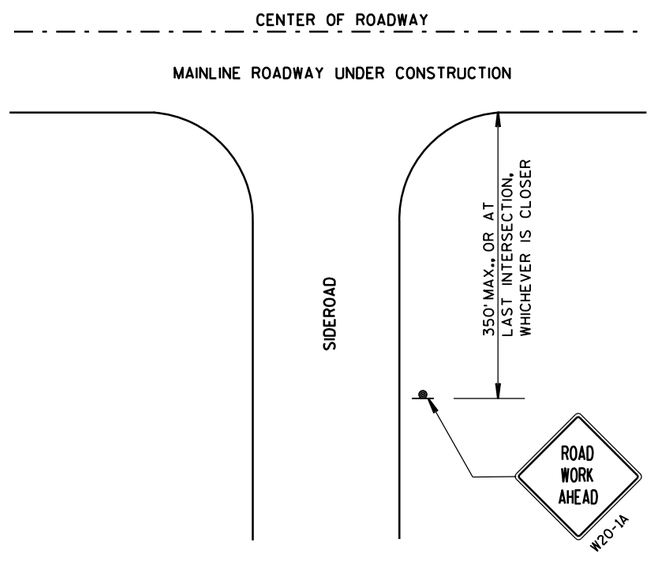
S.D.D. 15 C 4-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



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 DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI SAFETY ENGIN IC
FHWA

6

S.D.D. 15 C 5-3

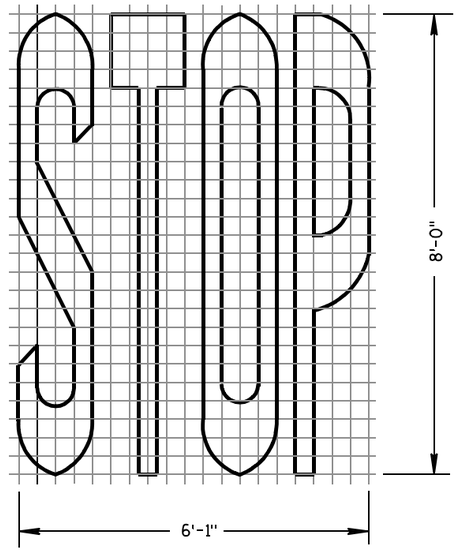
6

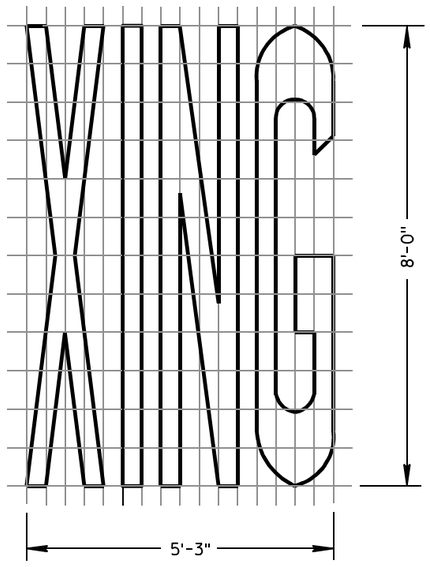
S.D.D. 15 C 5-3

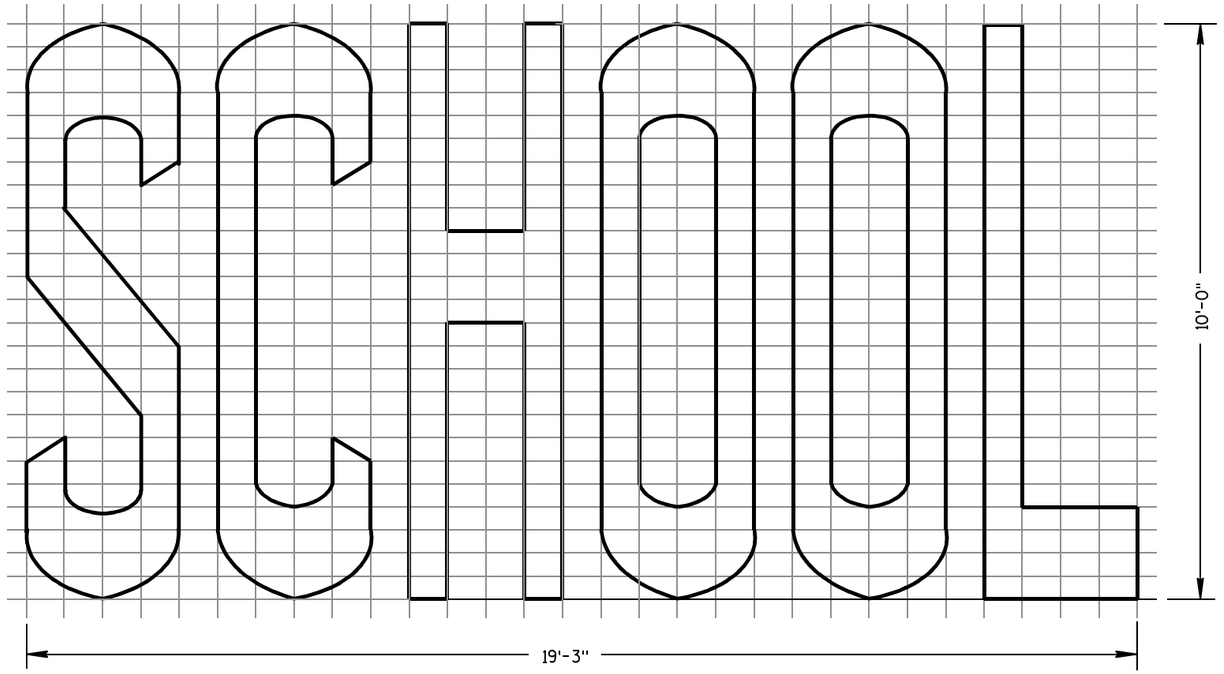
GENERAL NOTES

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

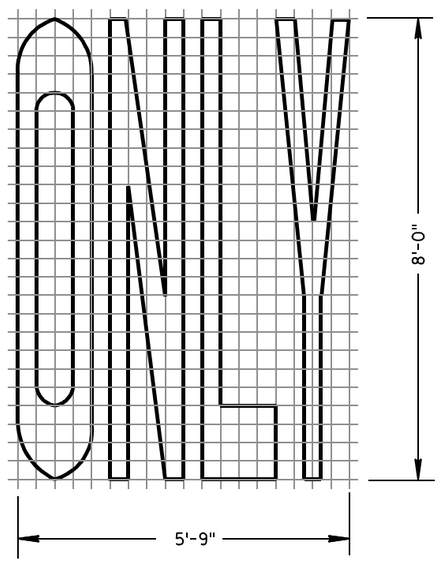
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

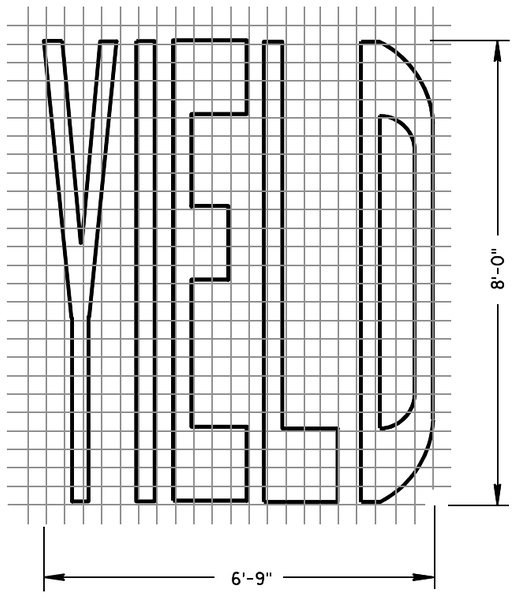


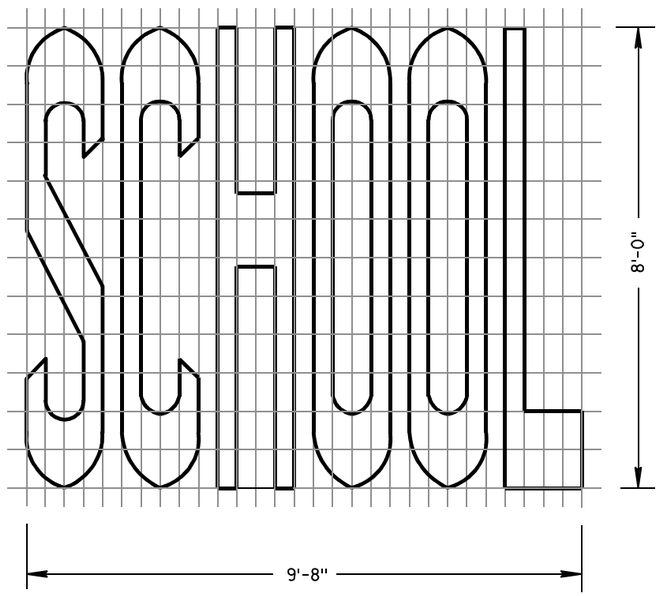




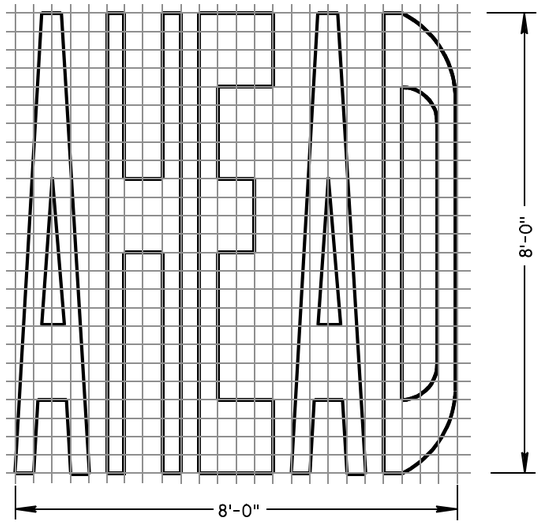
TWO-LANE







SINGLE-LANE



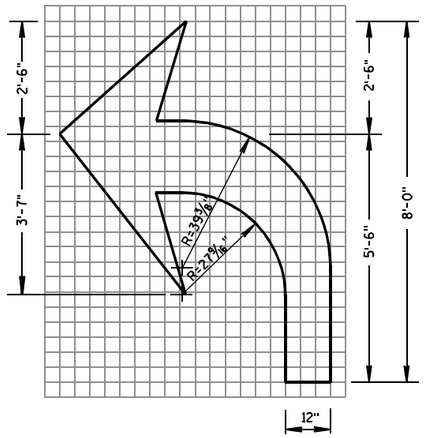
PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7-1-11 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER
FHWA	

6

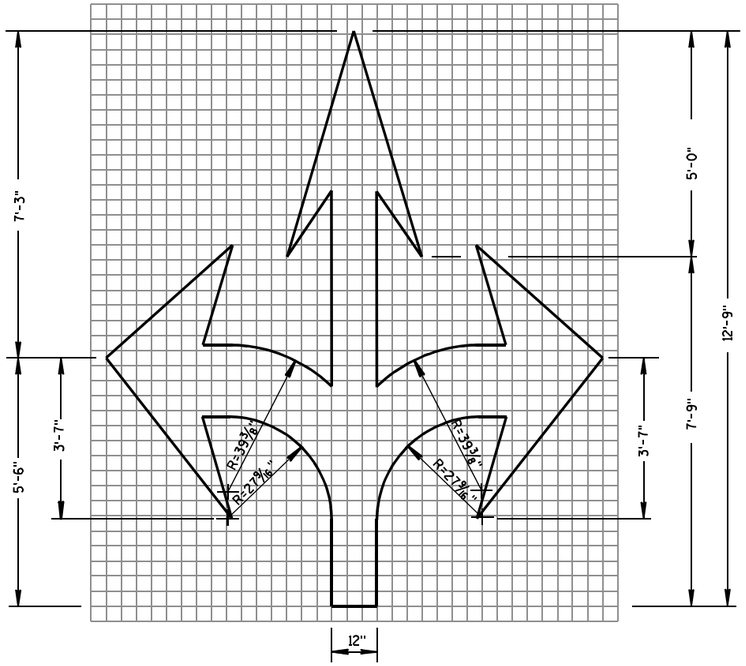
S.D.D. 15 C 7-12b

6

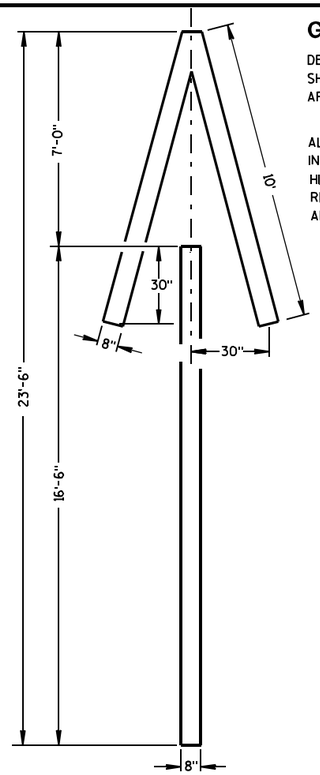
S.D.D. 15 C 7-12b



TYPE 2



TYPE 6

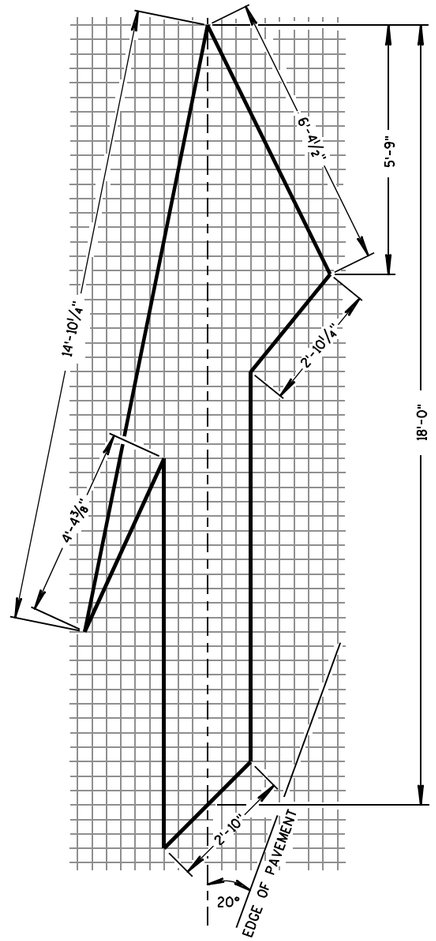


TYPE 4

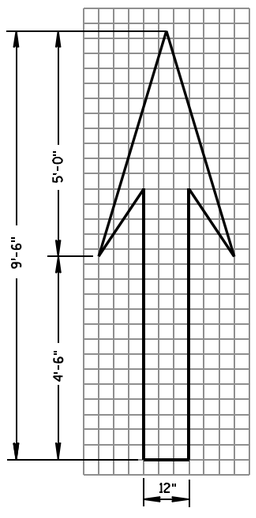
GENERAL NOTES

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

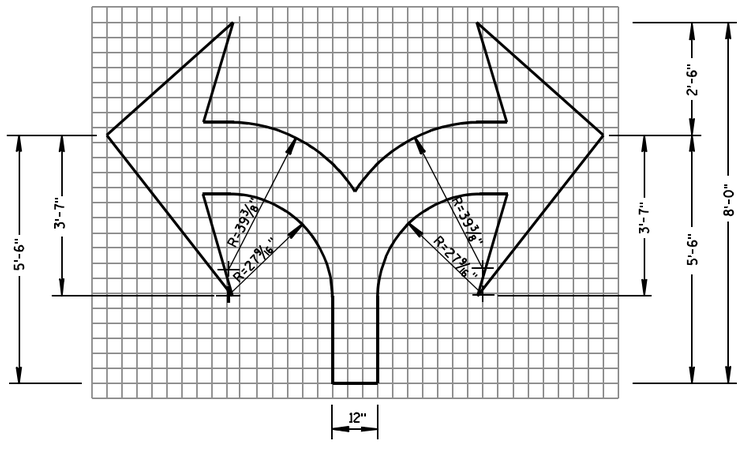
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



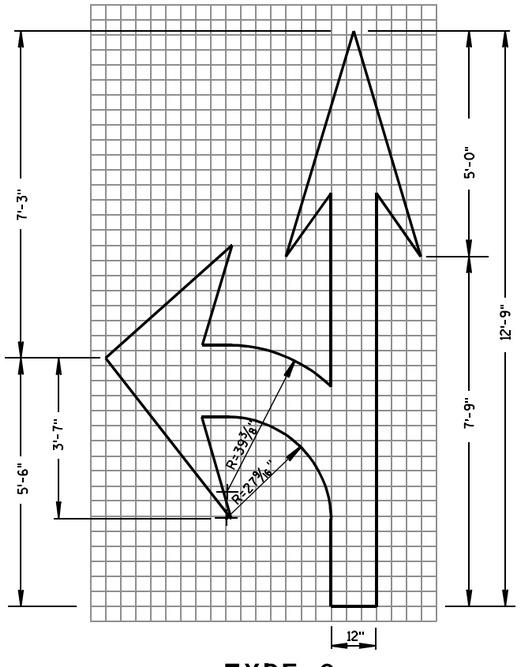
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

FHWA

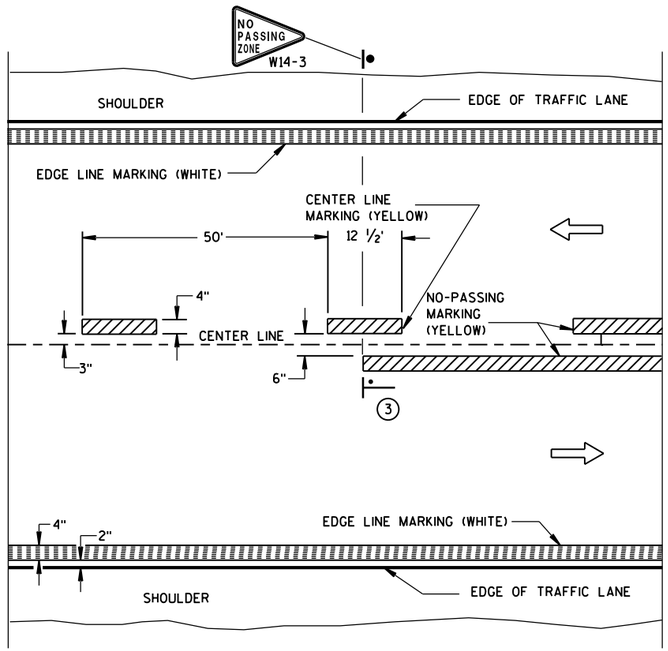
198

6

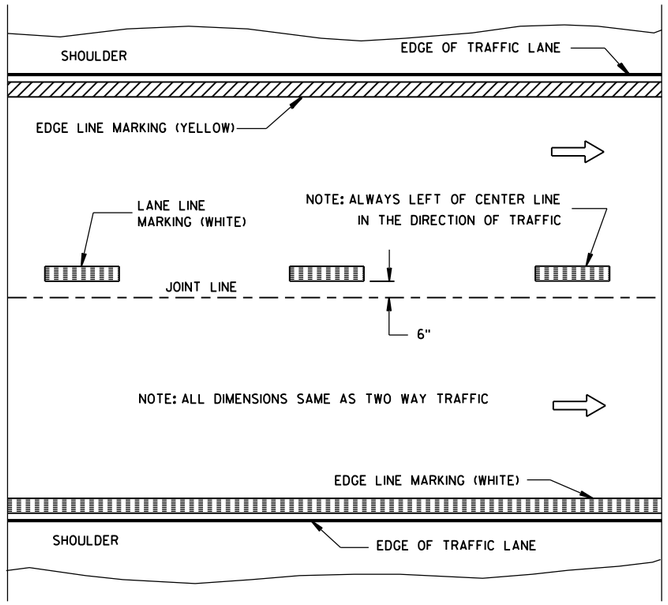
S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c

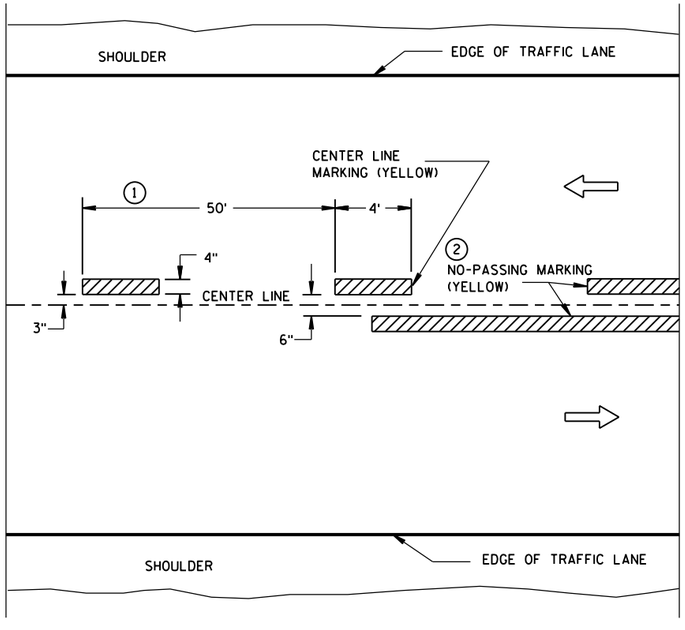


TWO WAY TRAFFIC

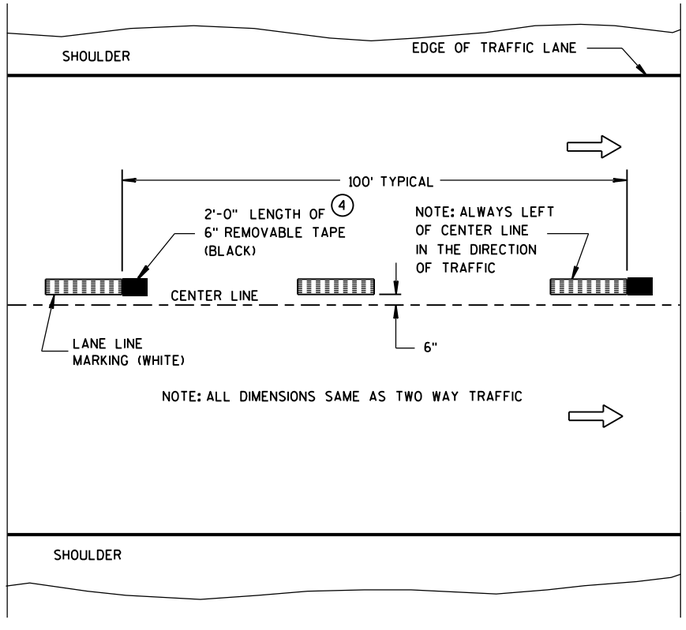


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

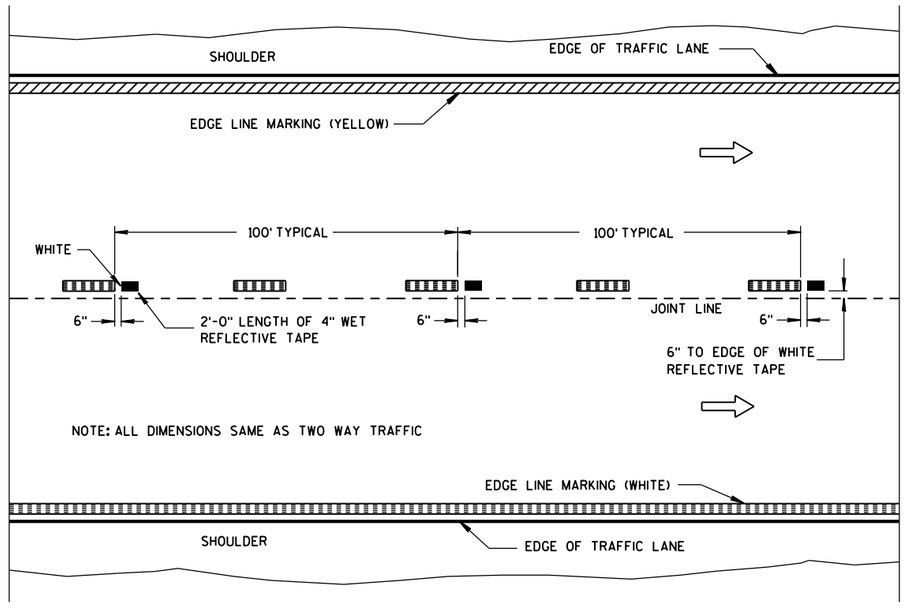
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 8-16a

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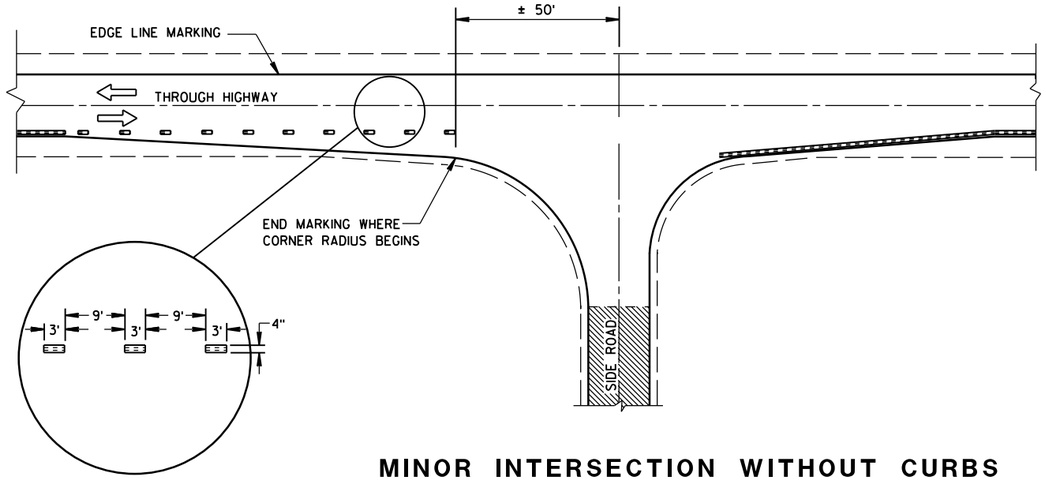
S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED 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) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

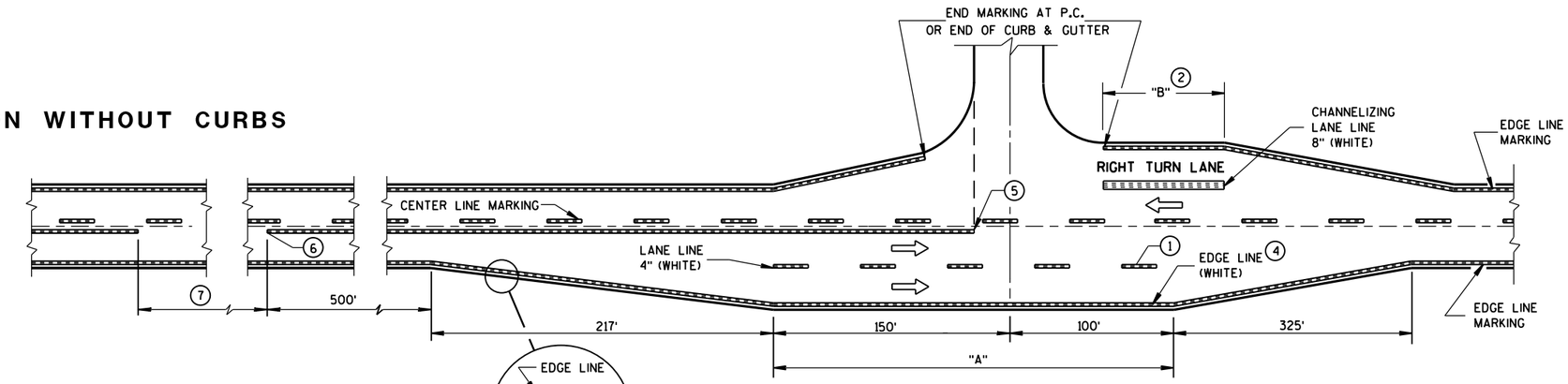
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

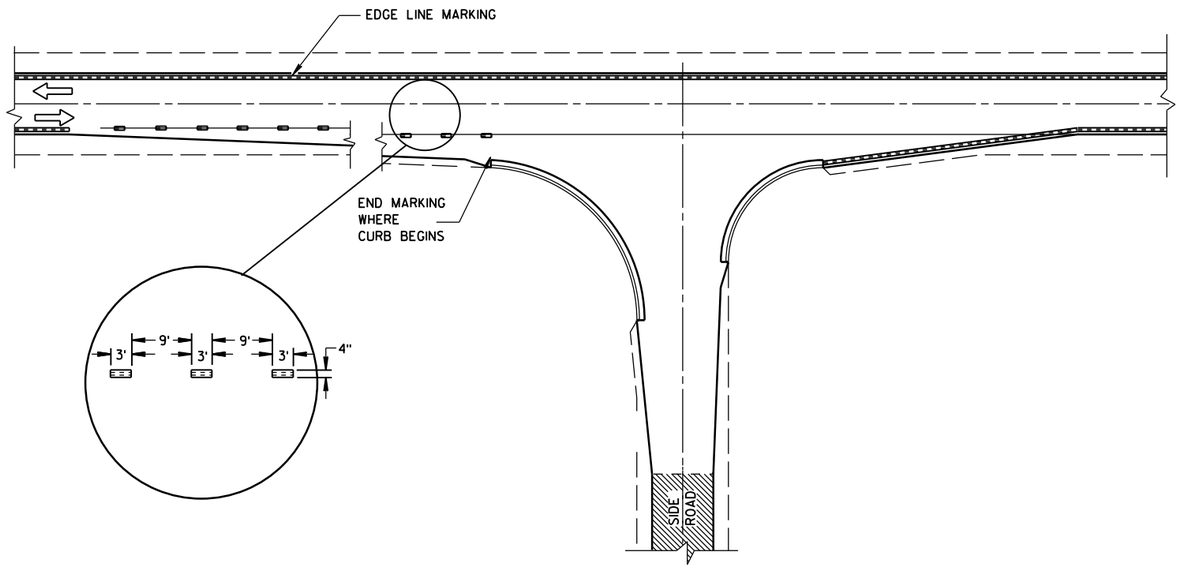
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



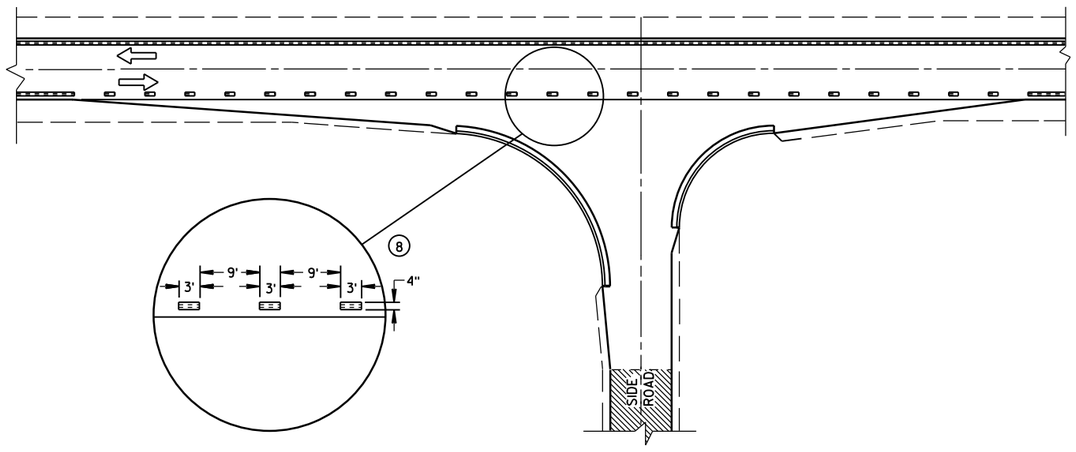
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 200

6

S.D.D. 15 C 8-16b

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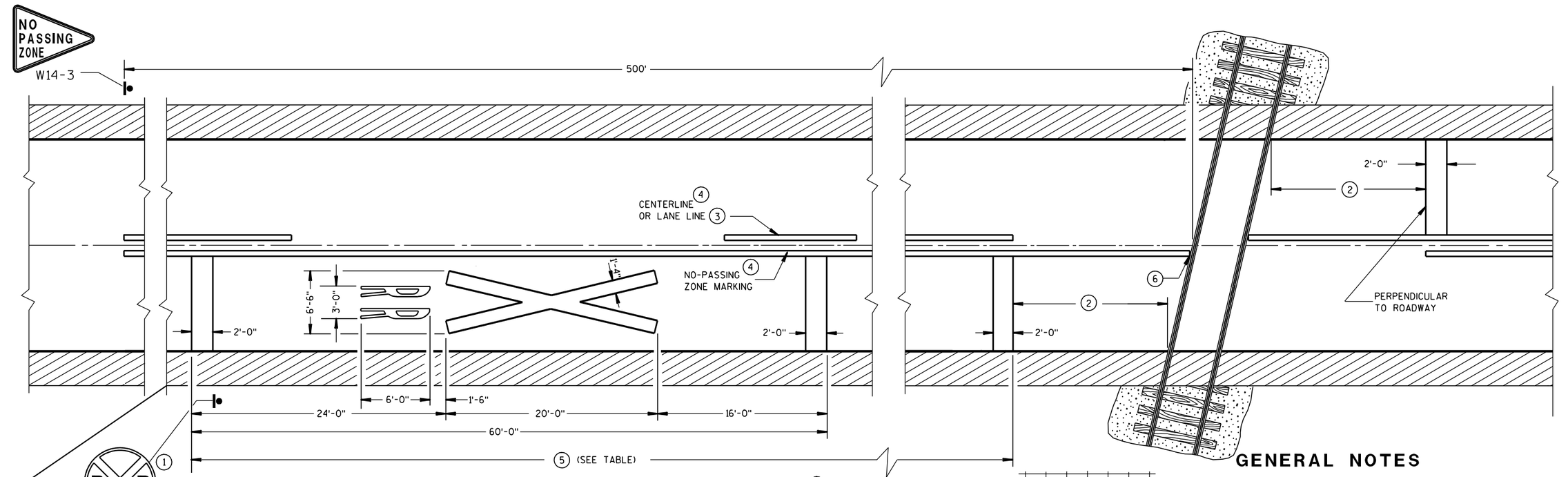
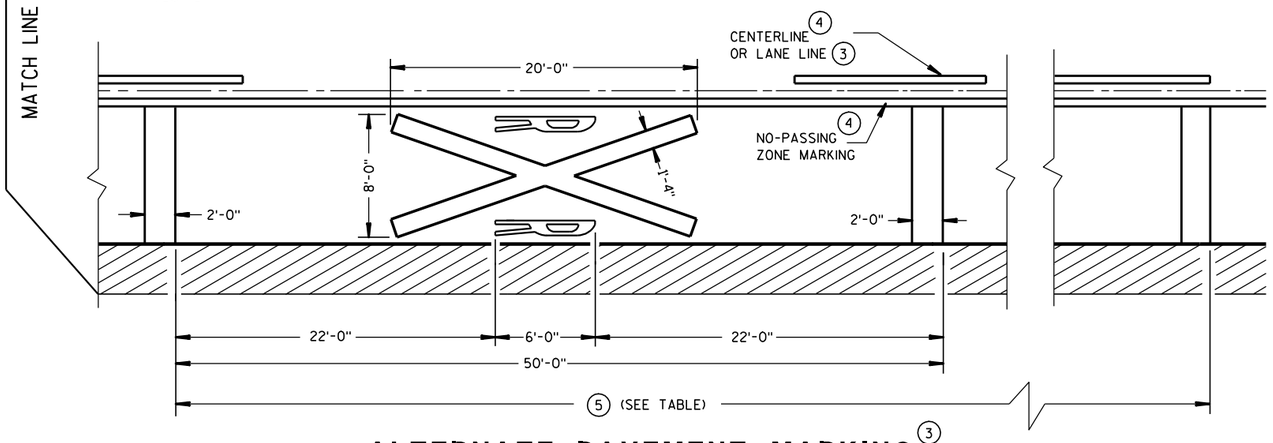
S.D.D. 15 C 8-16b



PREFERRED PAVEMENT MARKING 3

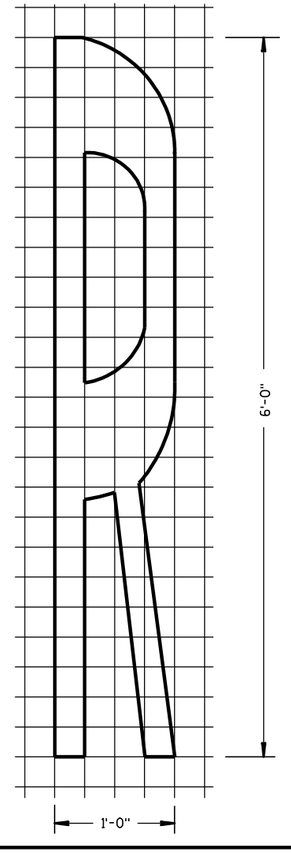


ALTERNATE PAVEMENT MARKING 3

5

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

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

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
2. MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
3. REFLECTIVE WHITE.
4. REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
5. TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

1-9-2012
DATE

/S/ Thomas N. [illegible]
STATE TRAFFIC ENGINEER

FHWA

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

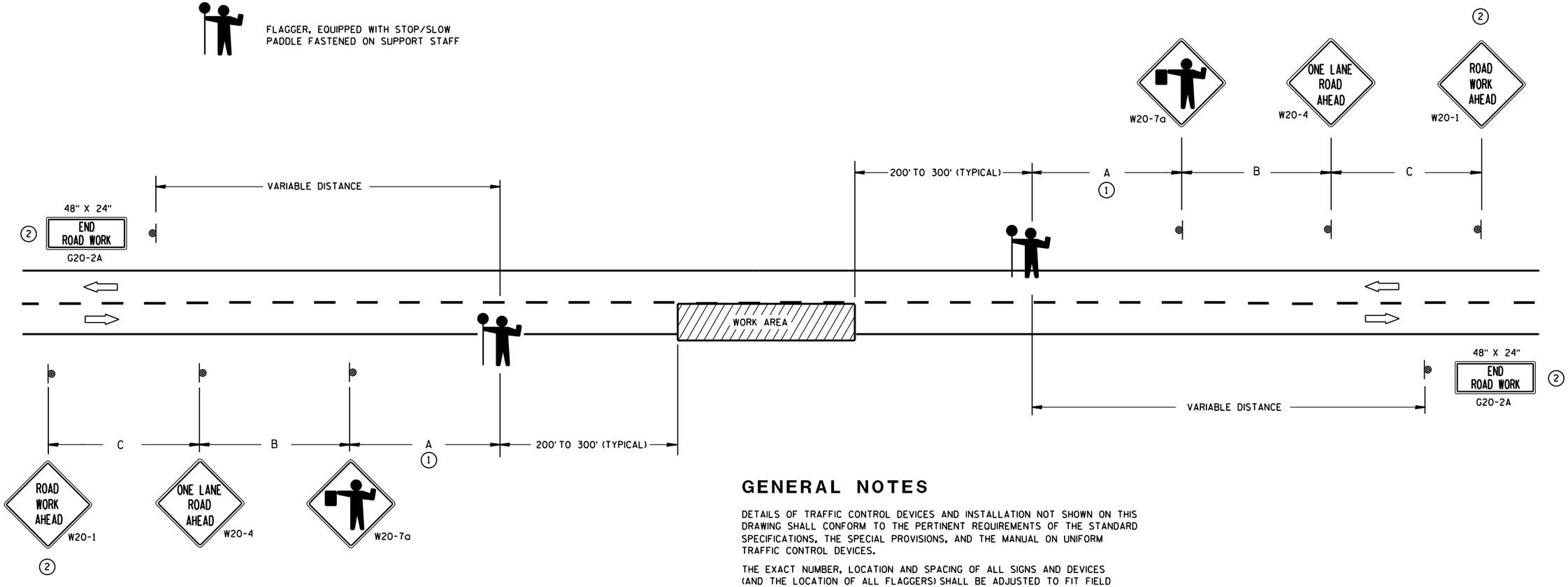
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT 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.

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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

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, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 C 12-4

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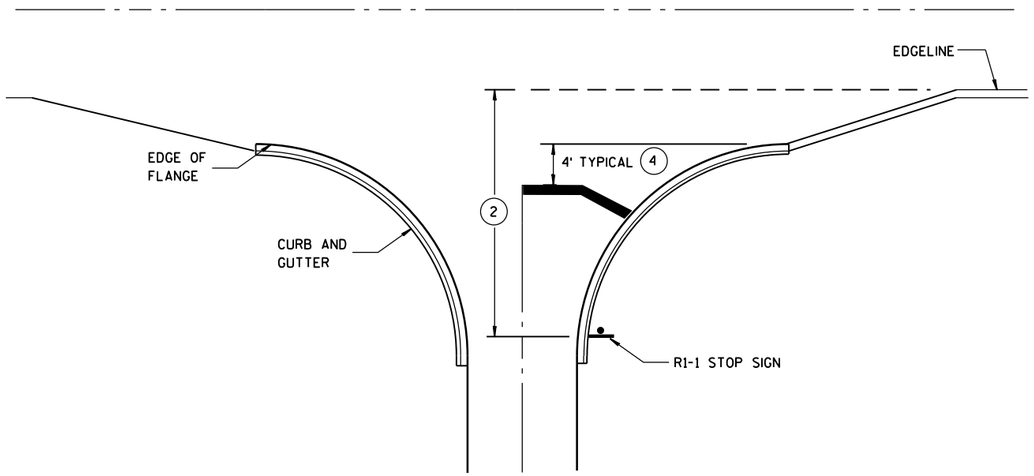
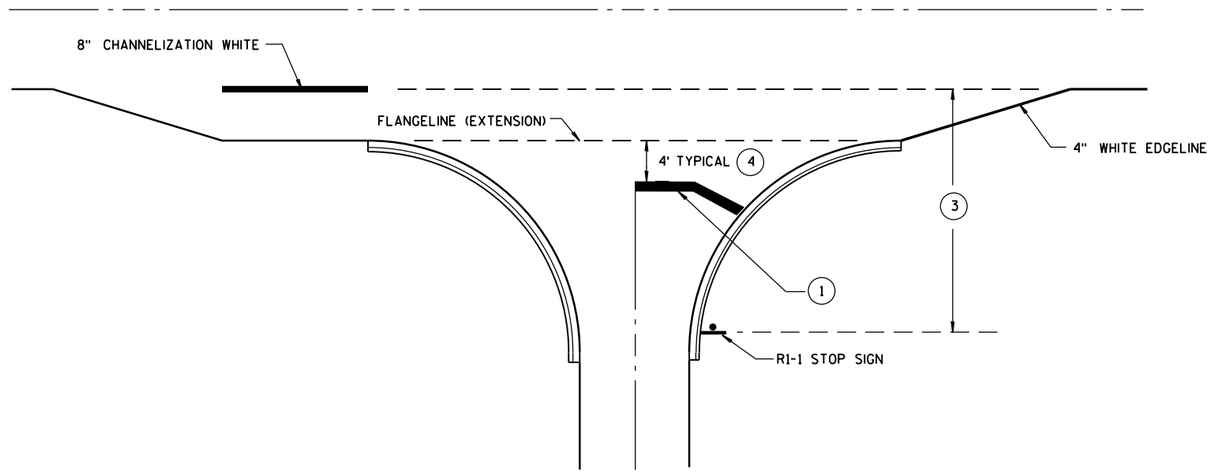
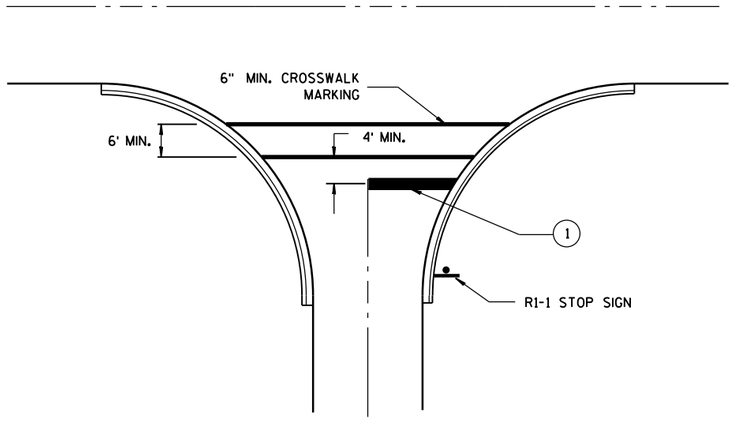
S.D.D. 15 C 12-4



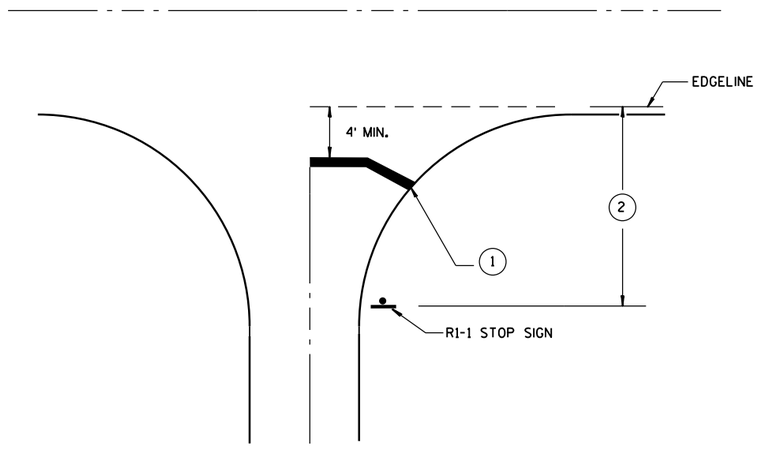
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

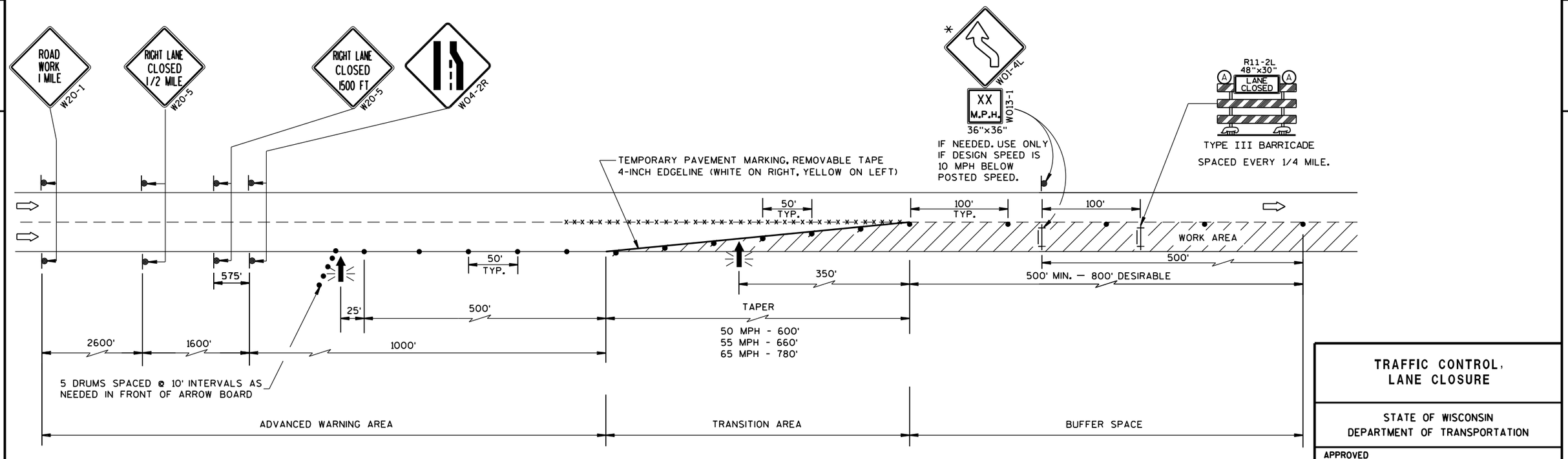
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



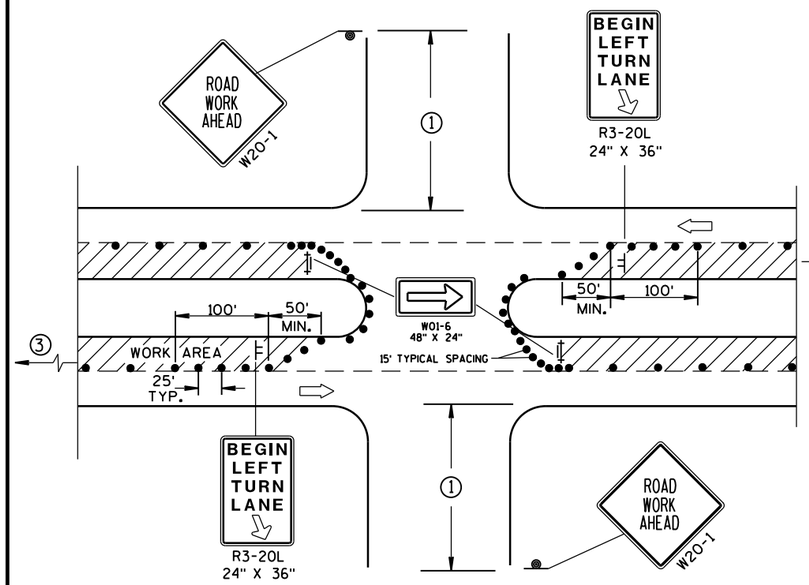
TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

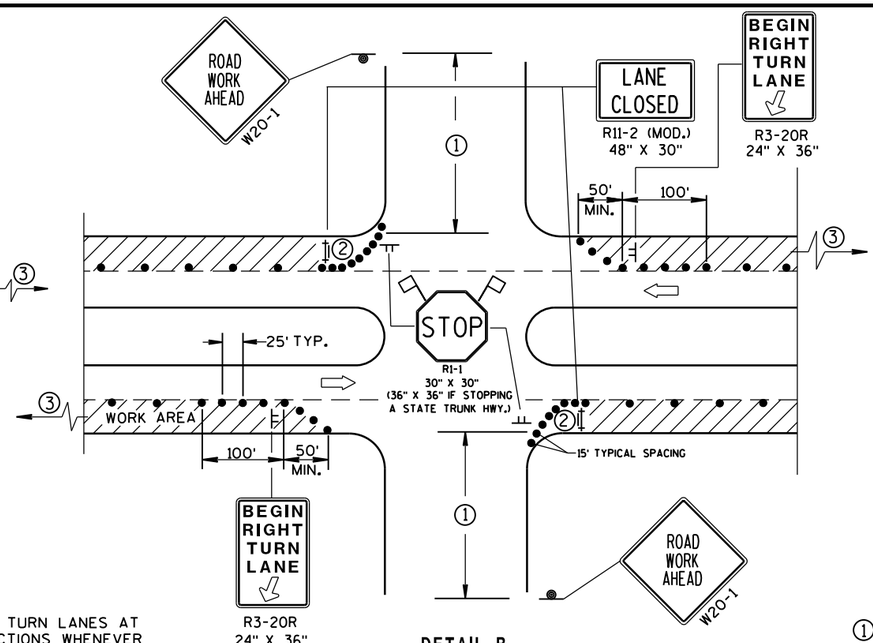
S.D.D. 15 D 12-5a



DETAIL A

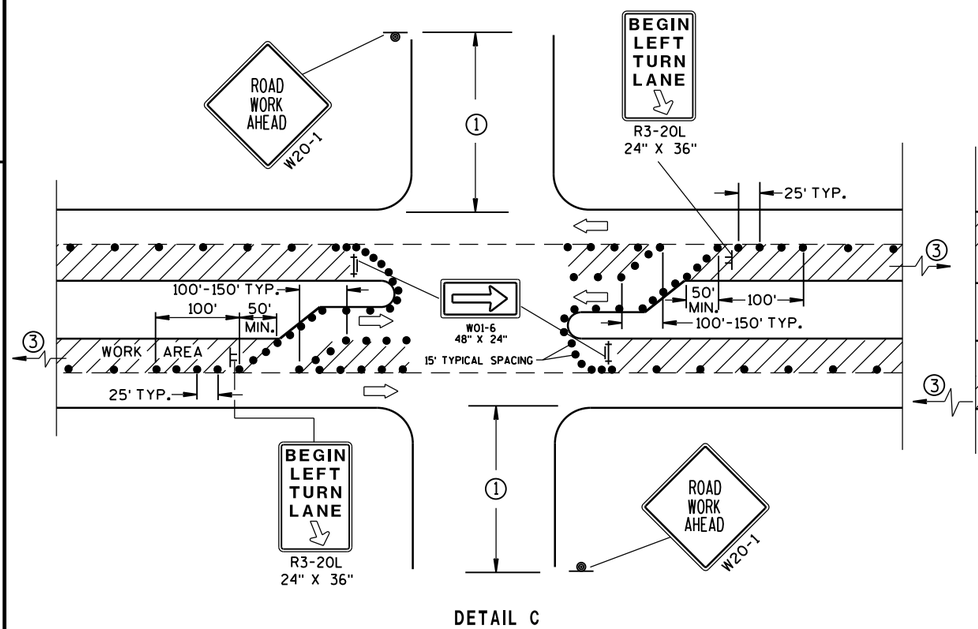
FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



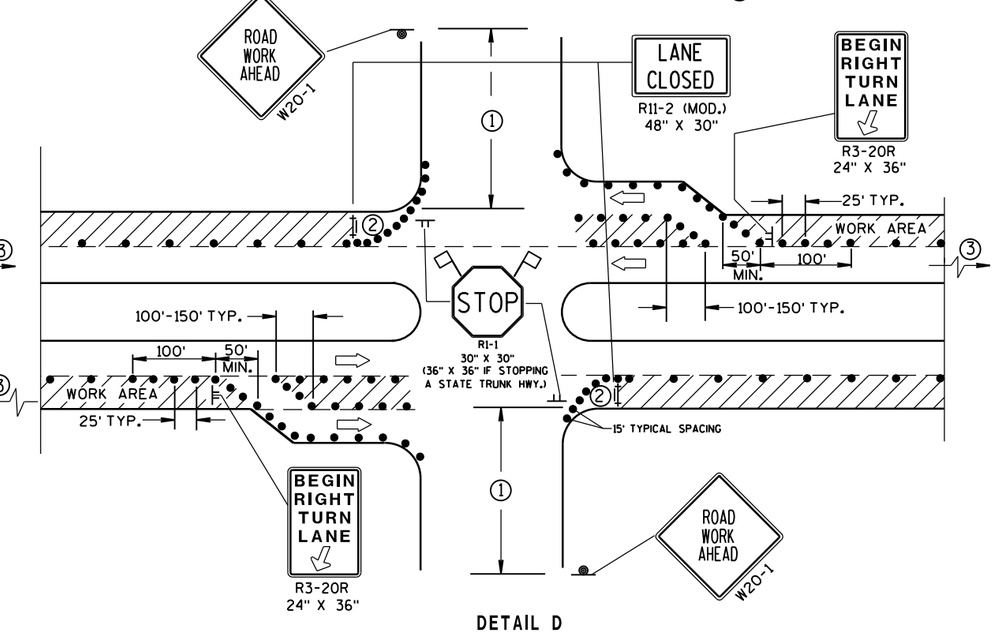
DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

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

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

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 DISTRICT TRAFFIC UNIT.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 D 21-3

GENERAL NOTES

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

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

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

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

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

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.

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

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

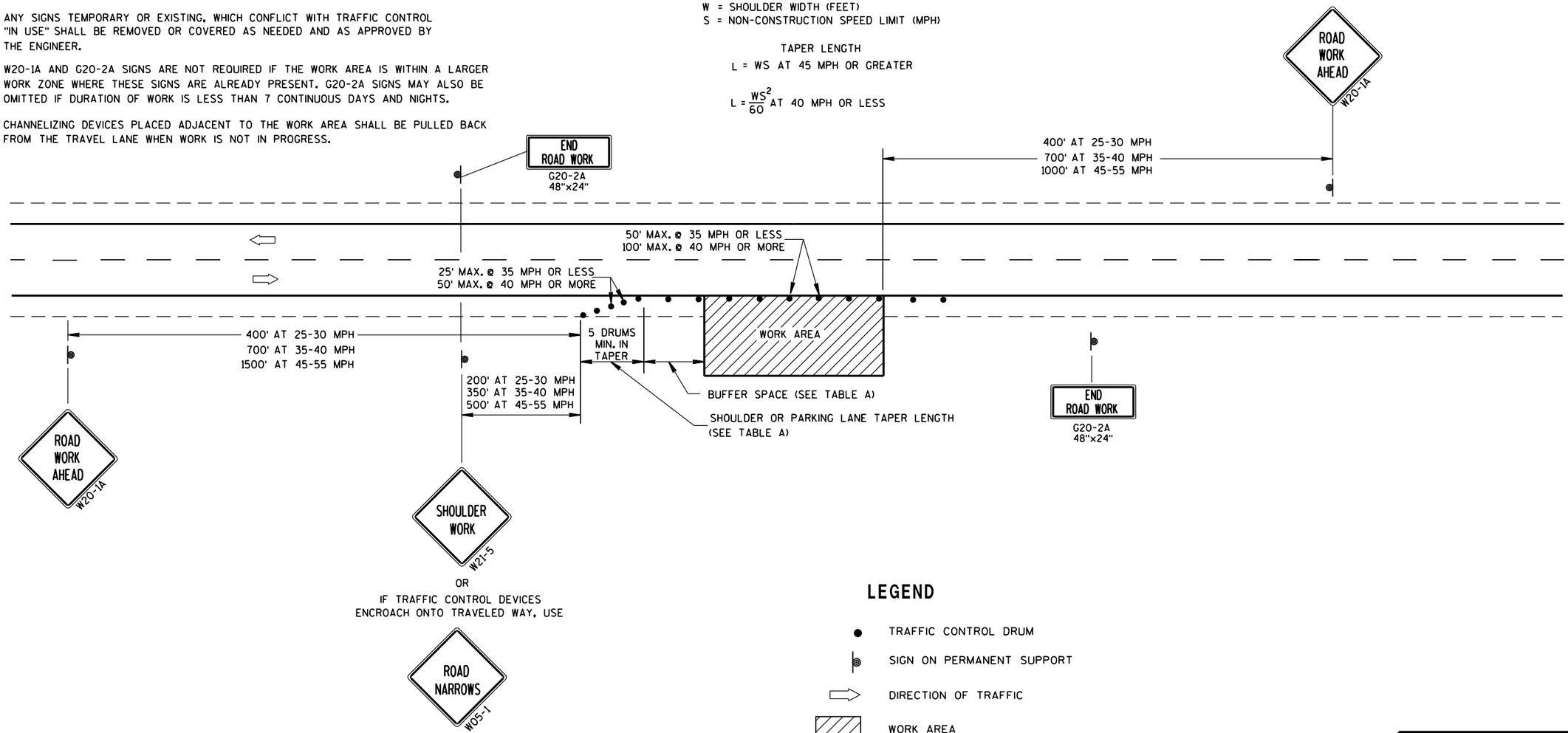
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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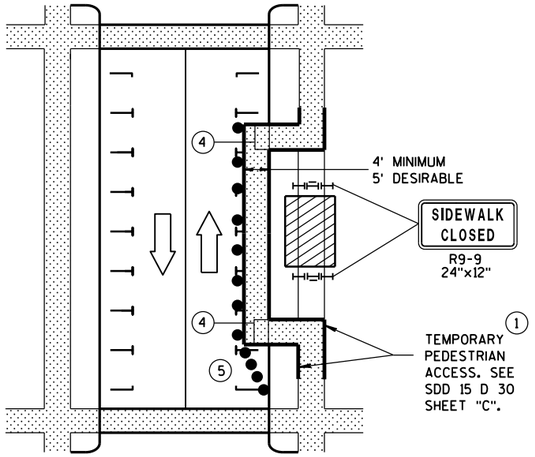
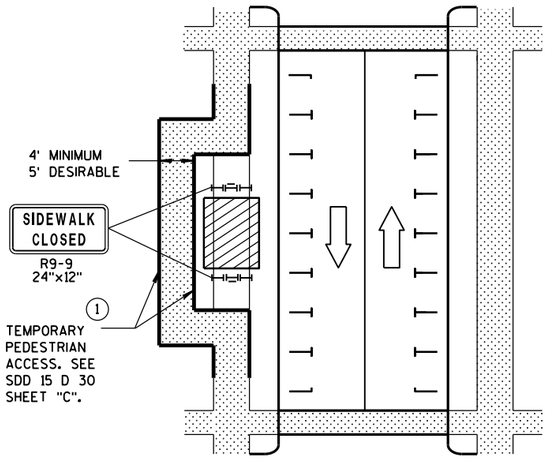
S.D.D. 15 D 28-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

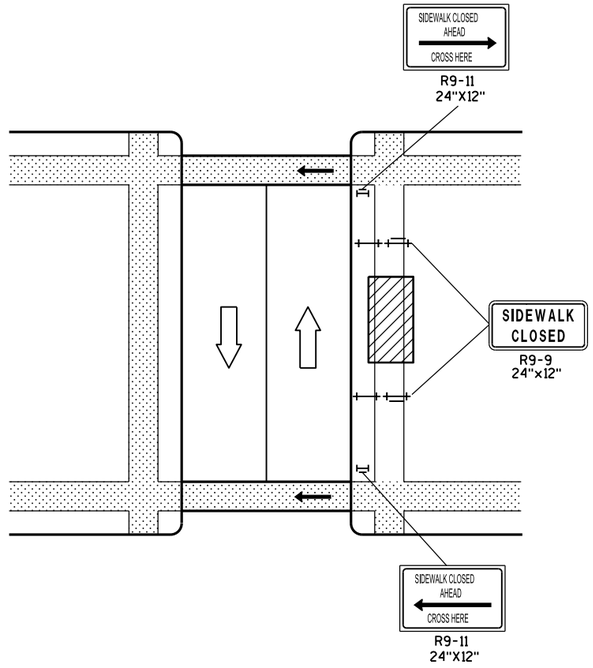


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

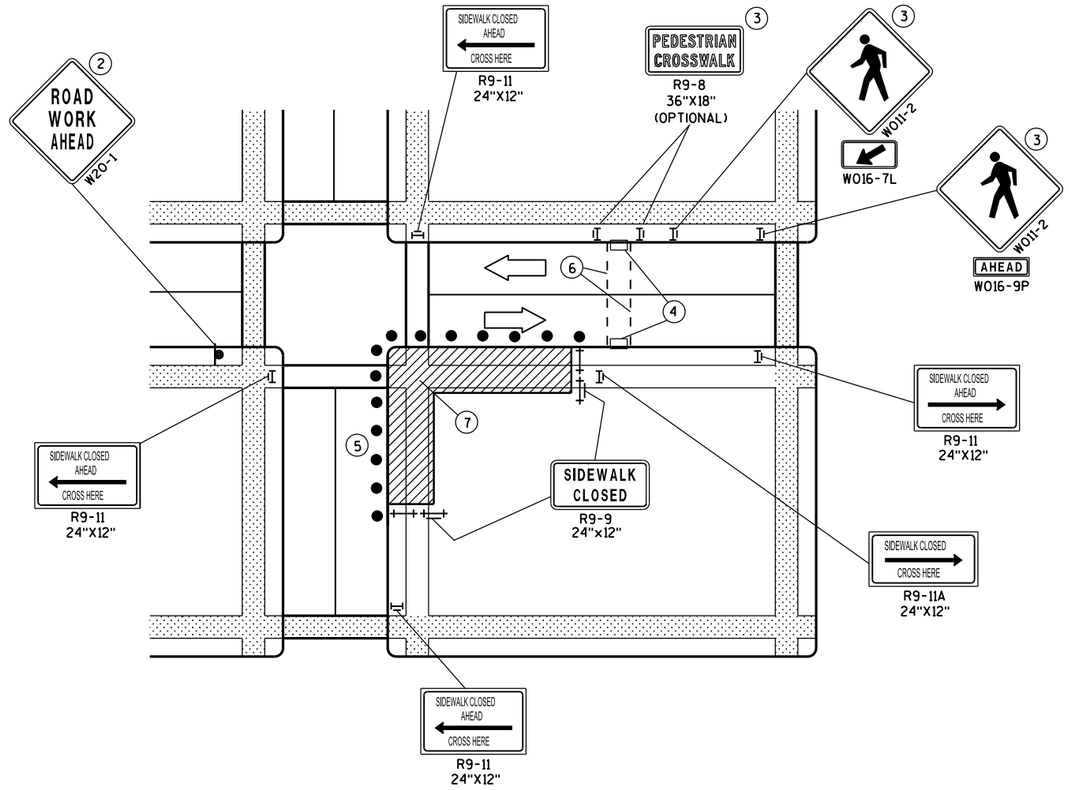
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

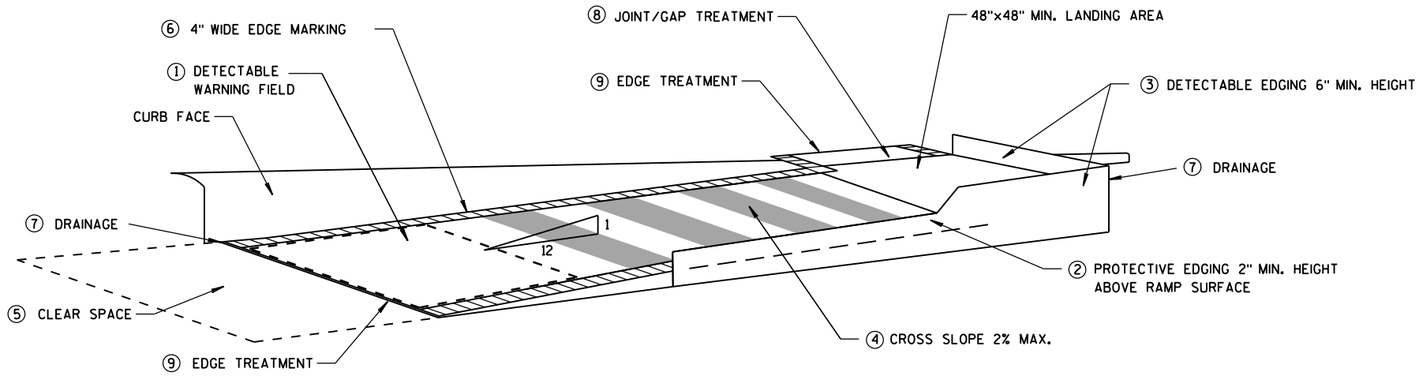
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 30-2a

6

S.D.D. 15 D 30-2a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

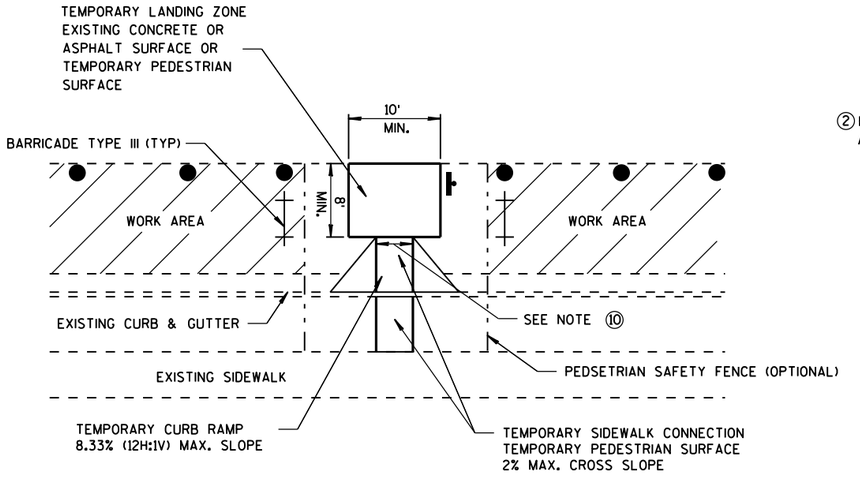
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

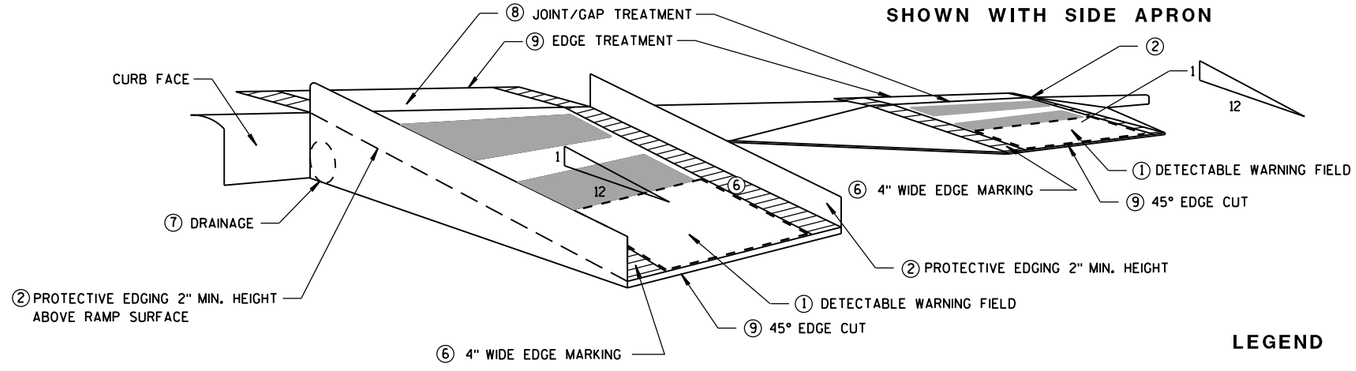
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN

FHWA

6

S.D.D. 15 D 30-2b

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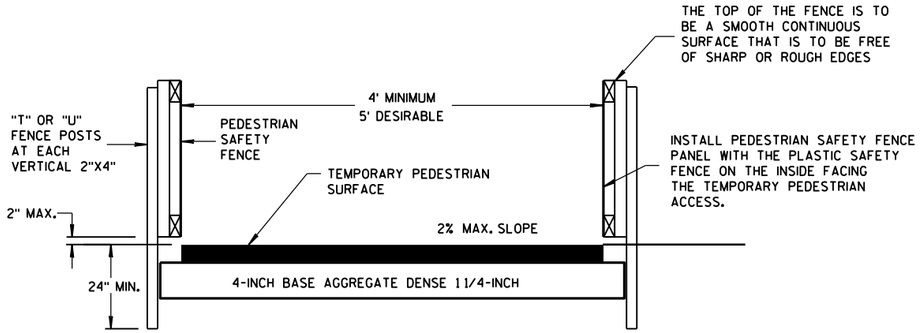
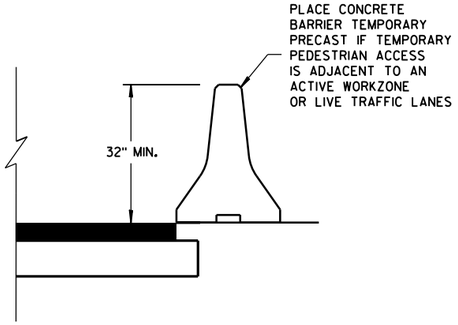
S.D.D. 15 D 30-2b

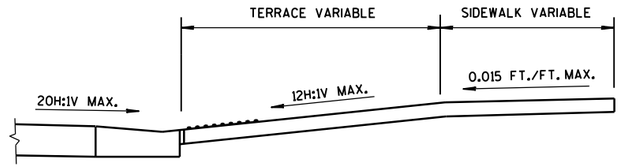




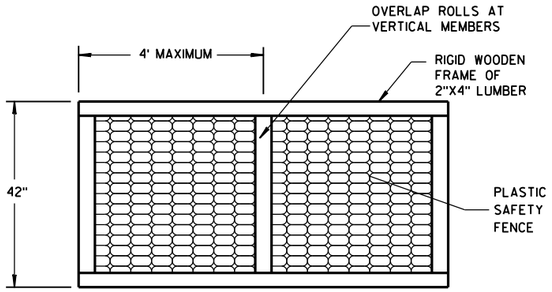
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

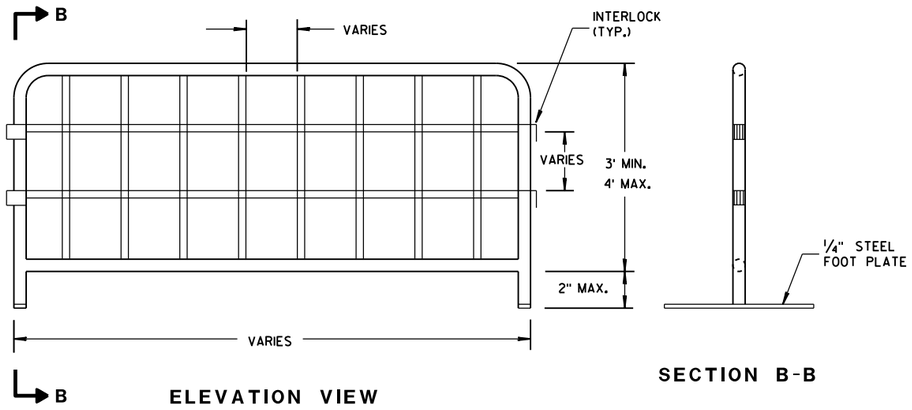
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



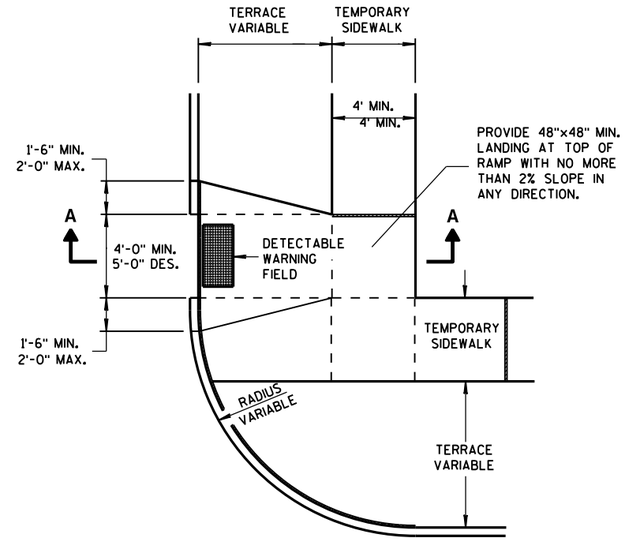
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

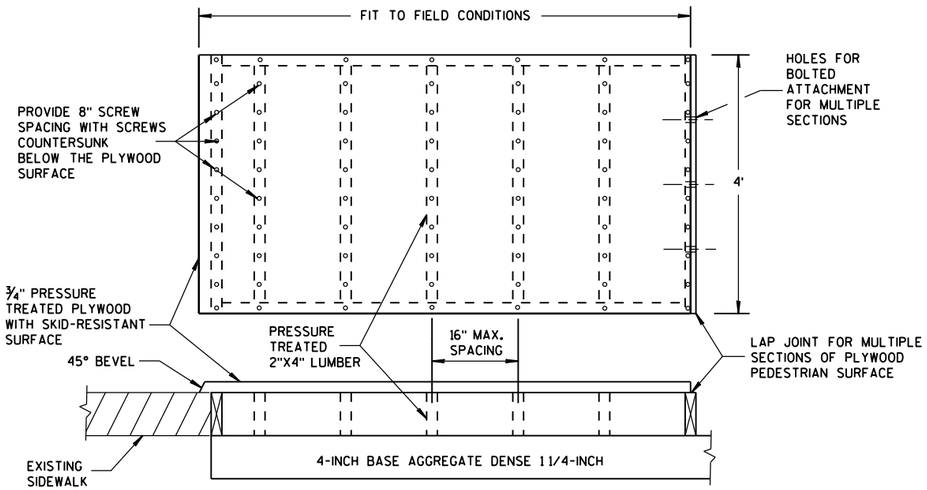
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



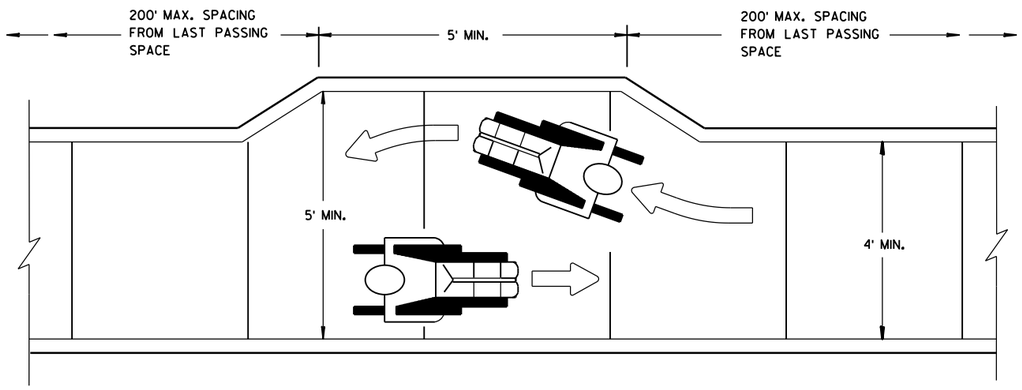
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

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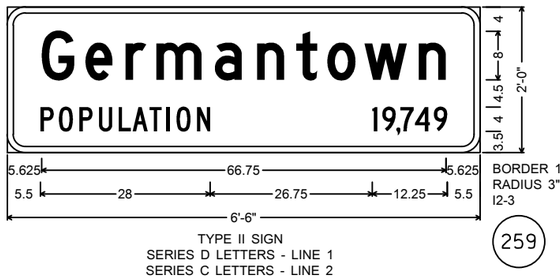
S.D.D. 15 D 30-2c

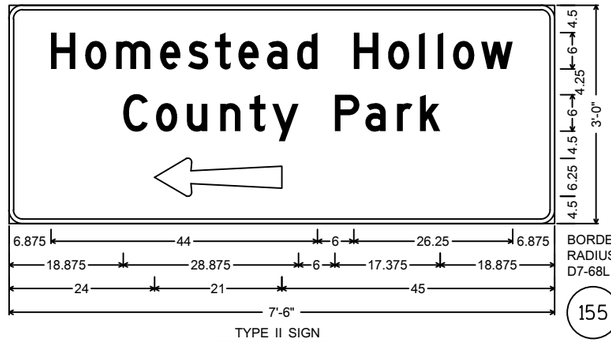
6

S.D.D. 15 D 30-2c



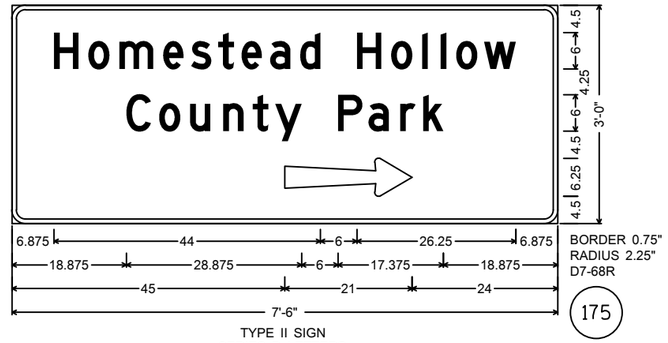
TYPE II SIGN
SERIES D LETTERS - LINE 1
SERIES C LETTERS - LINE 2

259



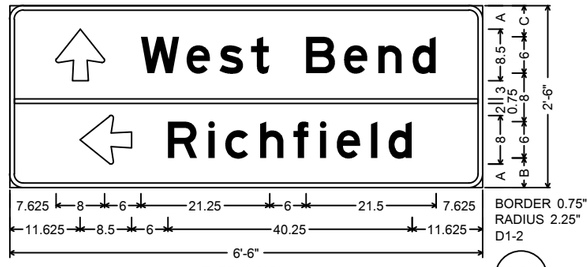
TYPE II SIGN
SERIES D LETTERS

155



TYPE II SIGN
SERIES D LETTERS

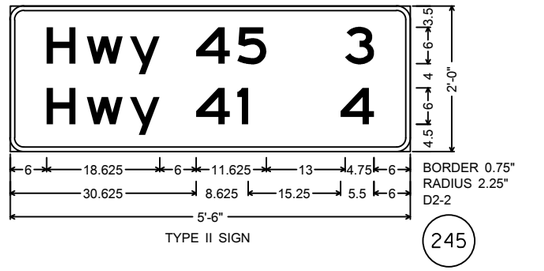
175



TYPE II SIGN

221

A = 3.875"
B = 4.875"
C = 5.125"



TYPE II SIGN

245

TYPE II SIGN

294 303

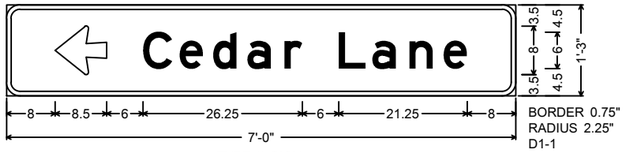
A = 3.25"

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	SIGNING DETAIL - TYPE II SIGNS	SHEET 210	E

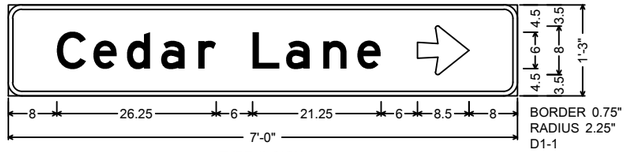
FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\070101_MS.DWG
LAYOUT NAME - 070101_MS
PLOT DATE : 10/26/2015 5:13 PM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME :
WISDOT/CADDS SHEET



BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

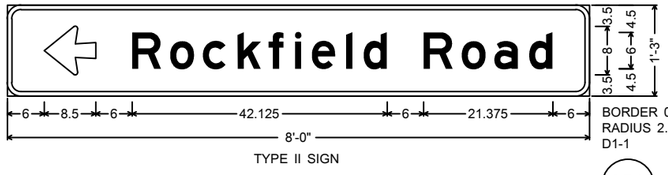
272



BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

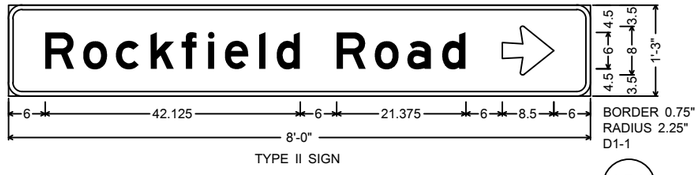
264



BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

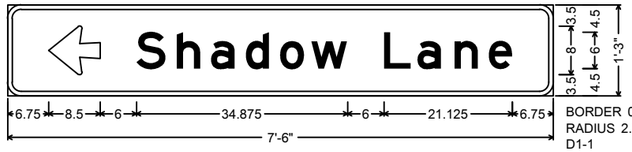
252



BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

250



BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

317

BORDER 0.75"
RADIUS 2.25"
D1-1

TYPE II SIGN

346

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
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3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
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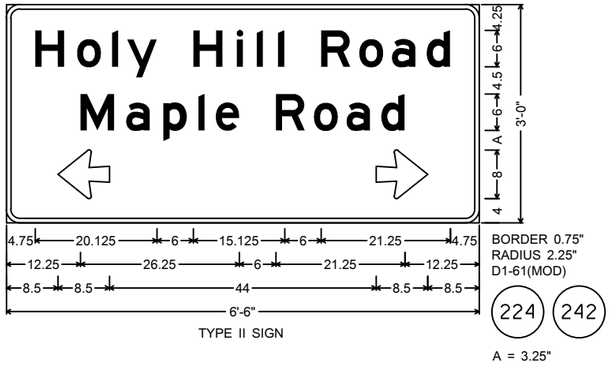
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	SIGNING DETAIL - TYPE II SIGNS	SHEET 211	E

FILE NAME : N:\PDS\C3D\CAD\24751230\SIGN\070101_MS.DWG
LAYOUT NAME - 070101_MS (2)
PLOT DATE : 10/26/2015 5:13 PM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME :
WISDOT/CADDS SHEET

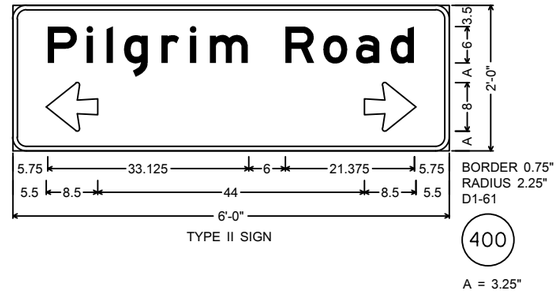


BORDER 0.75"
RADIUS 2.25"
D1-61(MOD)

224 242

TYPE II SIGN

A = 3.25"

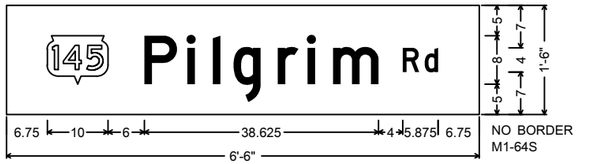


BORDER 0.75"
RADIUS 2.25"
D1-61

400

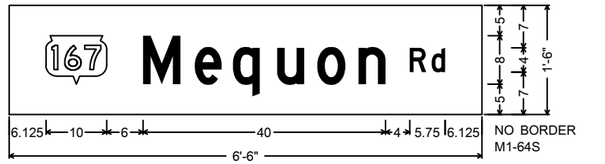
TYPE II SIGN

A = 3.25"



NO BORDER
M1-64S

46 49



NO BORDER
M1-64S

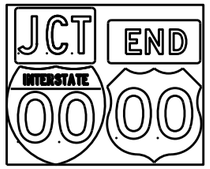
47 48

GENERAL NOTES:

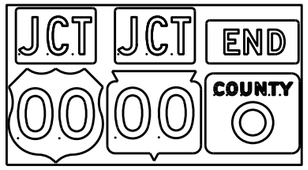
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS ALL UPPERCASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E MODIFIED". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES E MODIFIED". ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

TYPICAL ASSEMBLIES

J1-1

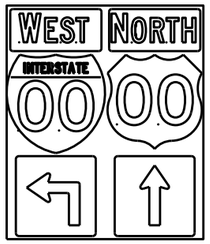


J1-2

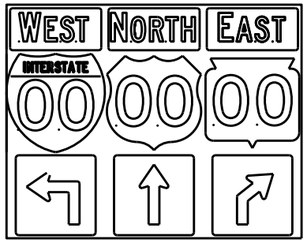


J1-3

J2-1



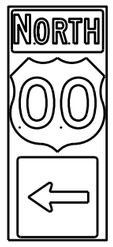
J2-2



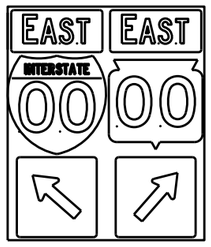
J2-3

JV

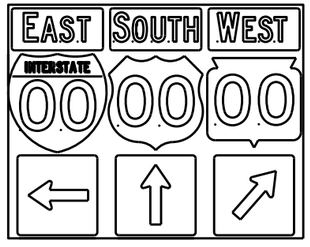
(Typical Vertical J-Assembly
See Note 10 and 11)



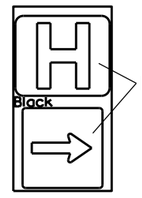
J3-1



J3-2

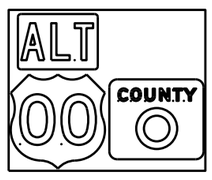


J3-3

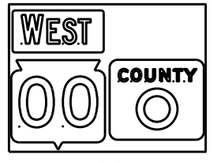


JH-1

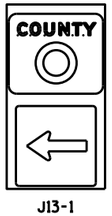
J4-1



J4-2



J4-2



J13-1

J12-1

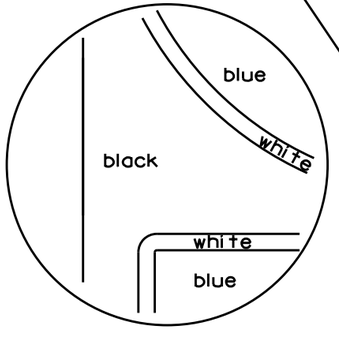
J32-1

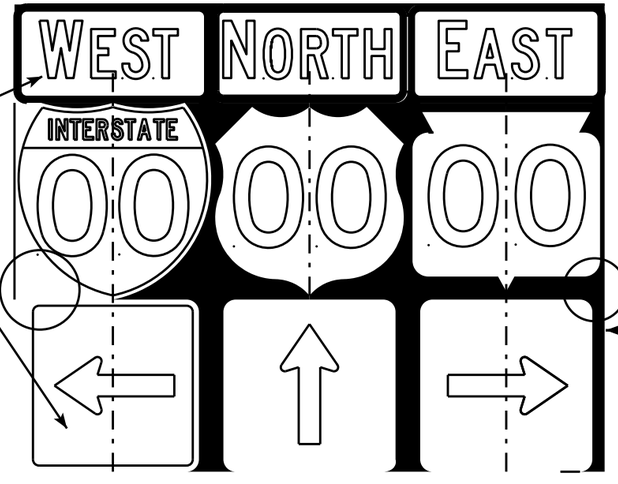
J33-1

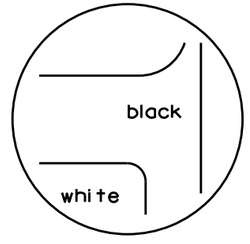
J23-1

J22-1

blue background
with interstate







black background

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

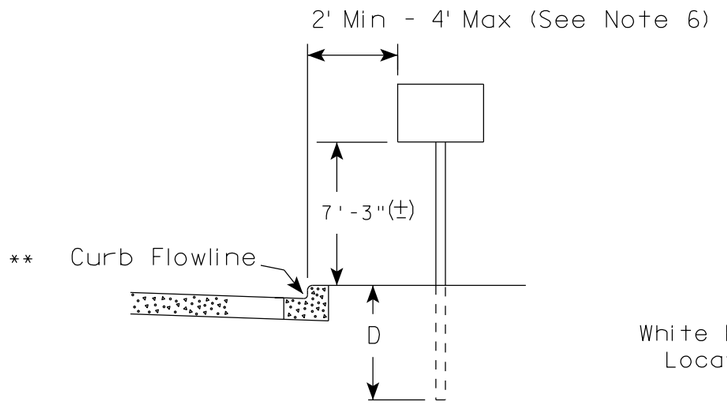
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

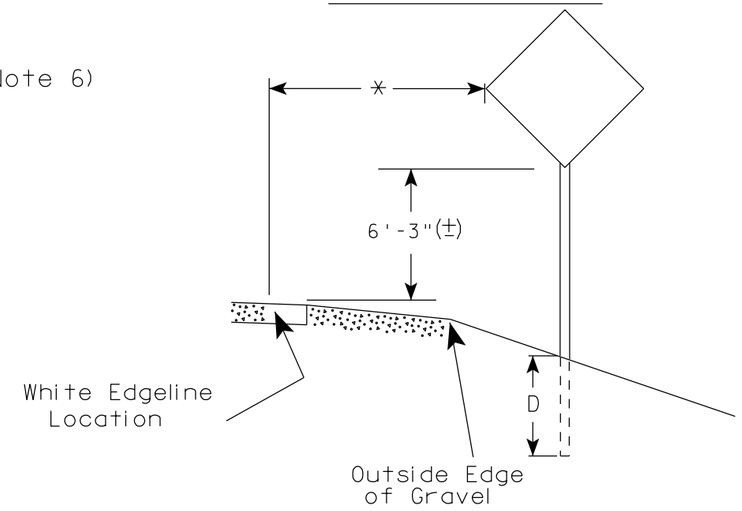
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

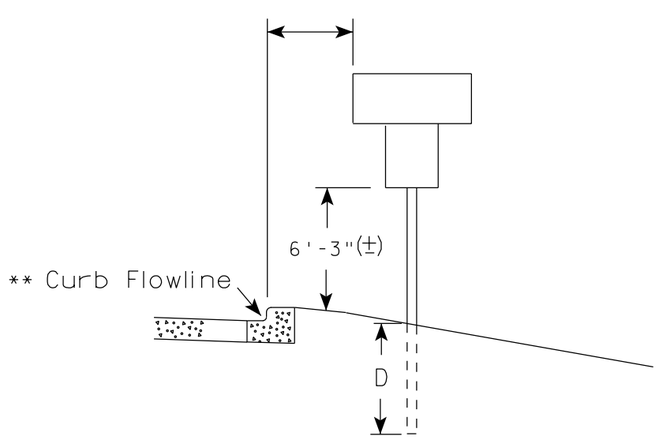
WISDOT/CADDS SHEET 42

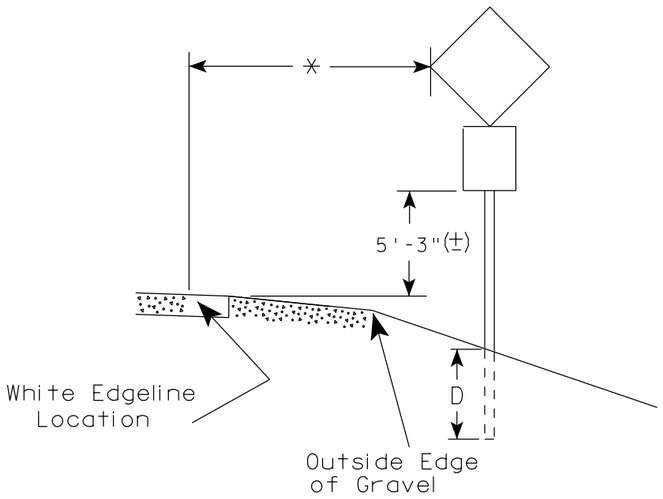
URBAN AREA



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.

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
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 J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. 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), 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" (±).

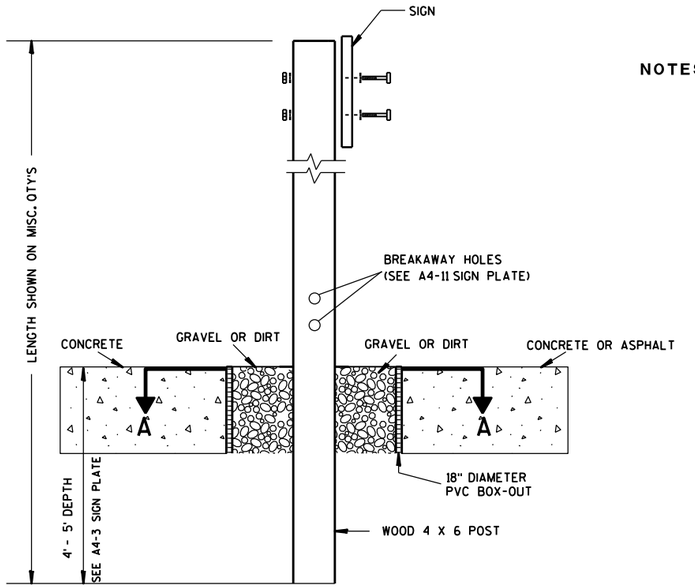
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

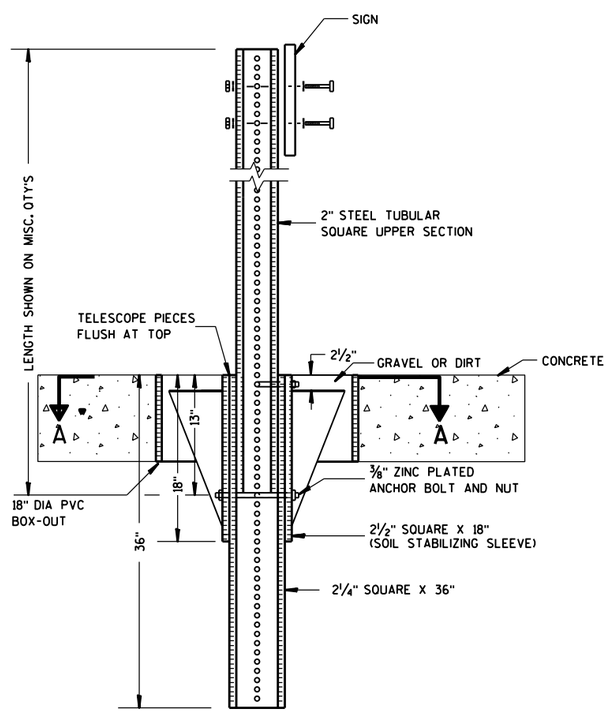
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

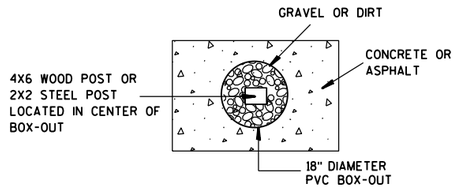
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

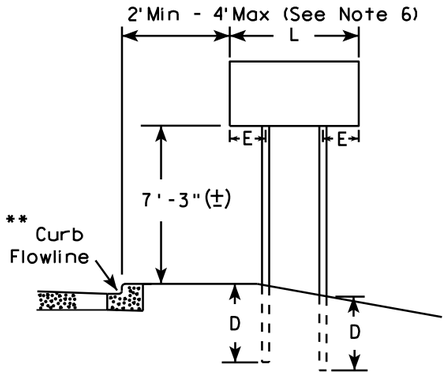
APPROVED Matthew R Rauch
for State Traffic Engineer

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

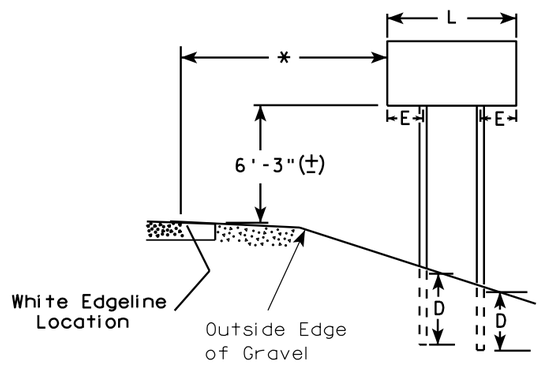
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

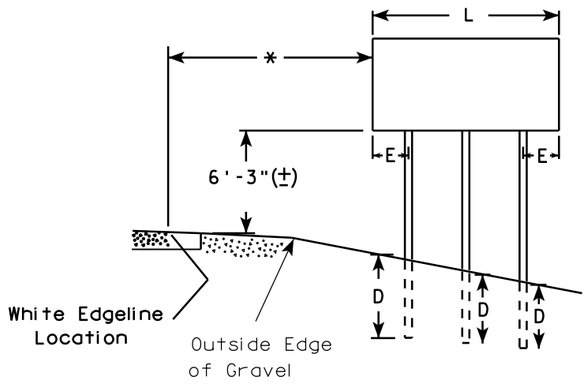
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

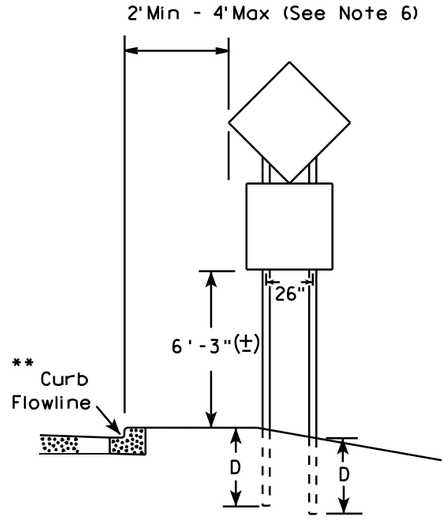
URBAN AREA



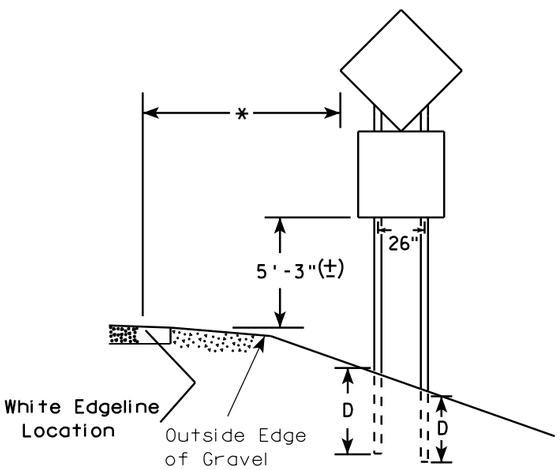
RURAL AREA (See Note 3)







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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width 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 120"	L/5

***

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

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

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

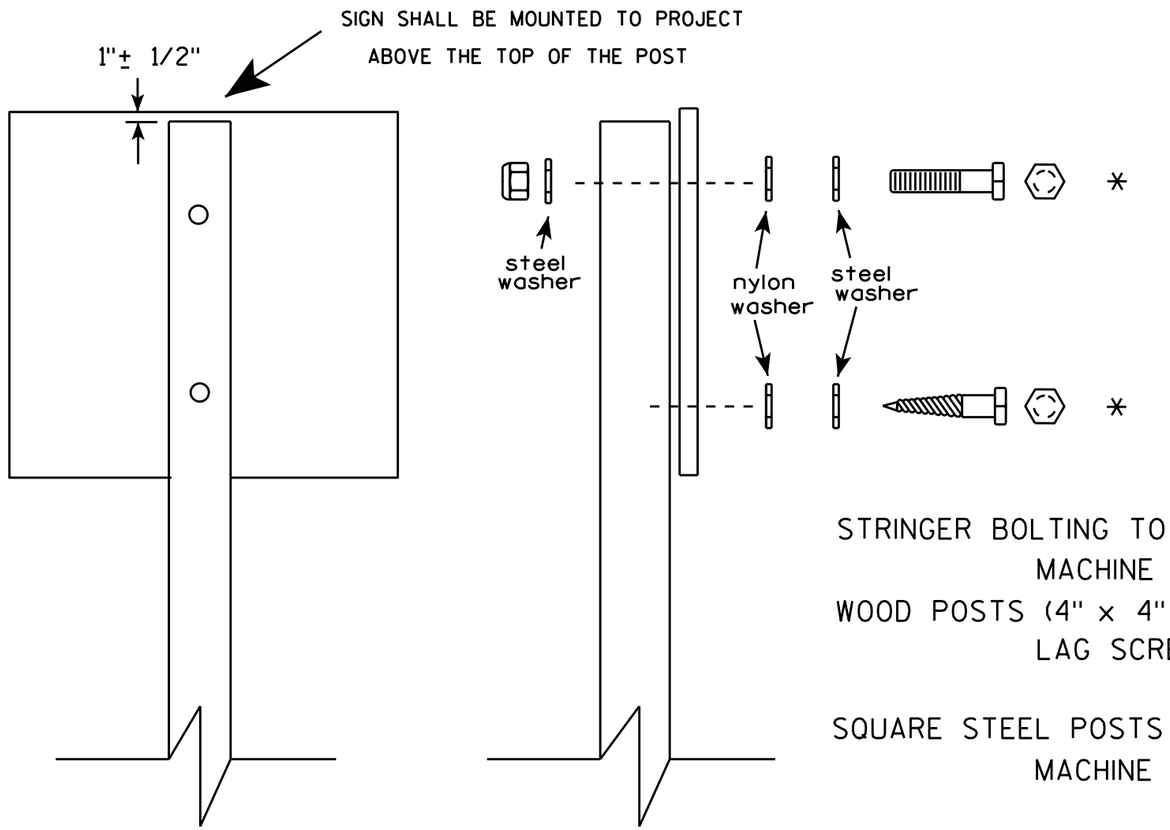
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14
216

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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/ nuts
WOOD POSTS (4" x 4" or 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

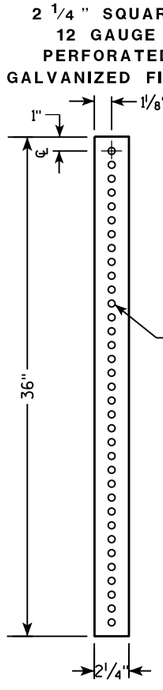
DATE 4/27/16 PLATE NO. A4-8.8

PROJECT NO: | SHEET NO: E

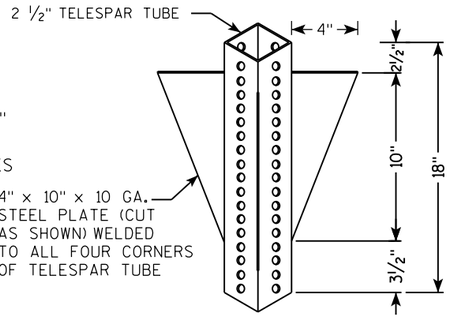
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 27-APR-2016 09:07 PLOT BY : mscj9h
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

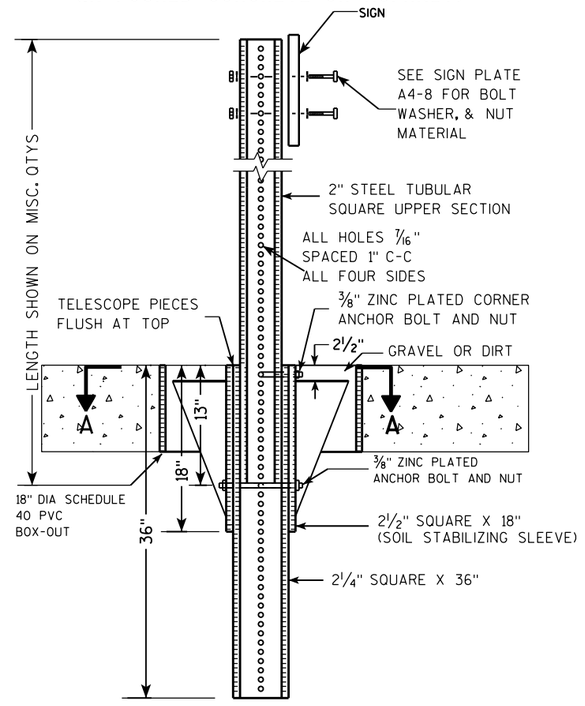
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



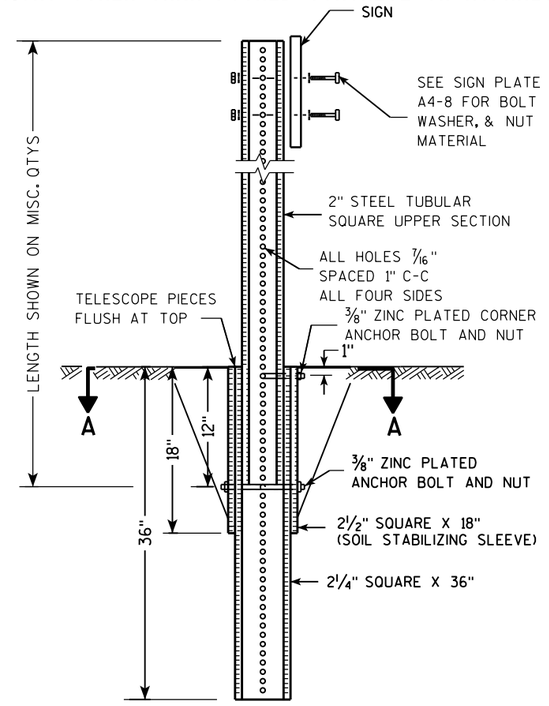
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

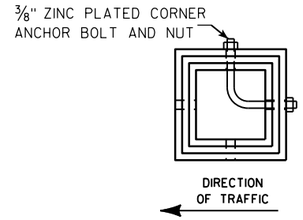


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

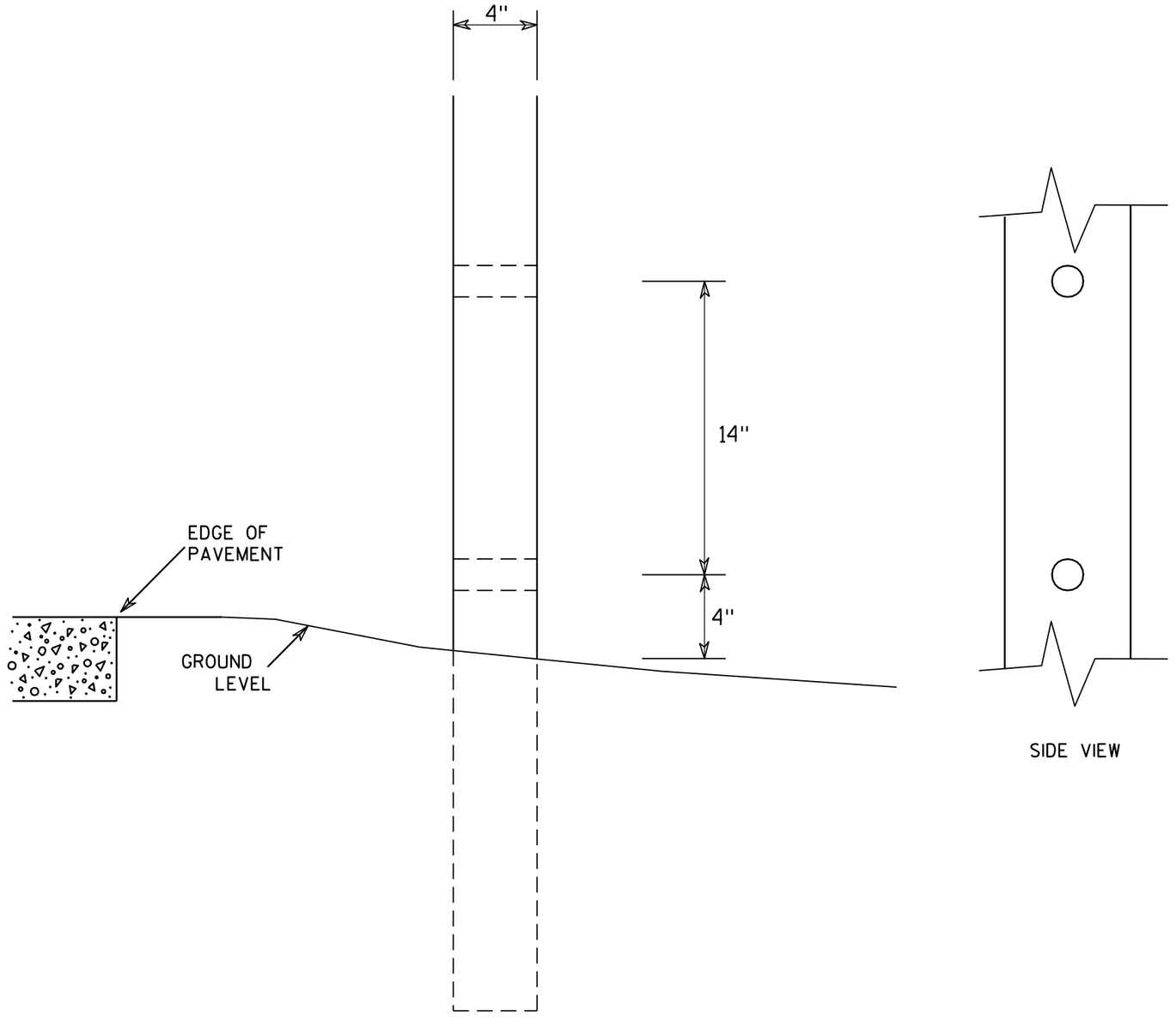
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 218 A4-9.9

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

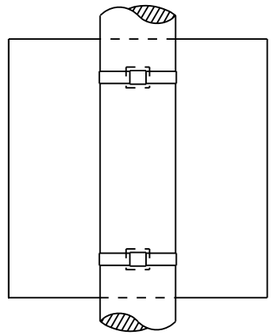
APPROVED Chester J Spang for State Traffic Engineer

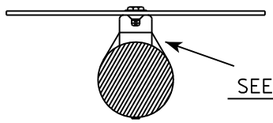
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 219	E

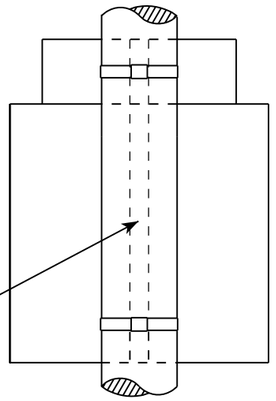
BANDING

SINGLE SIGN

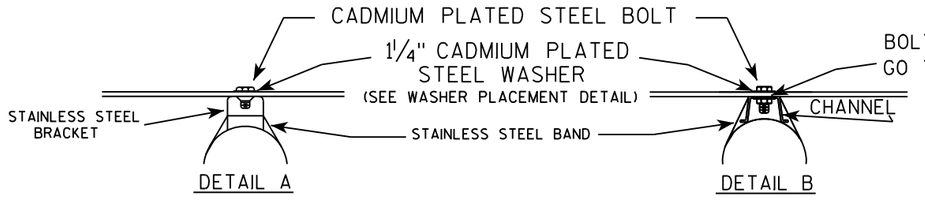




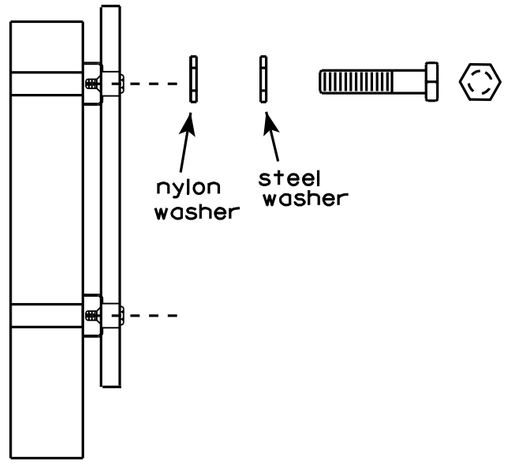
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL INSTALLATION SHEET



WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.

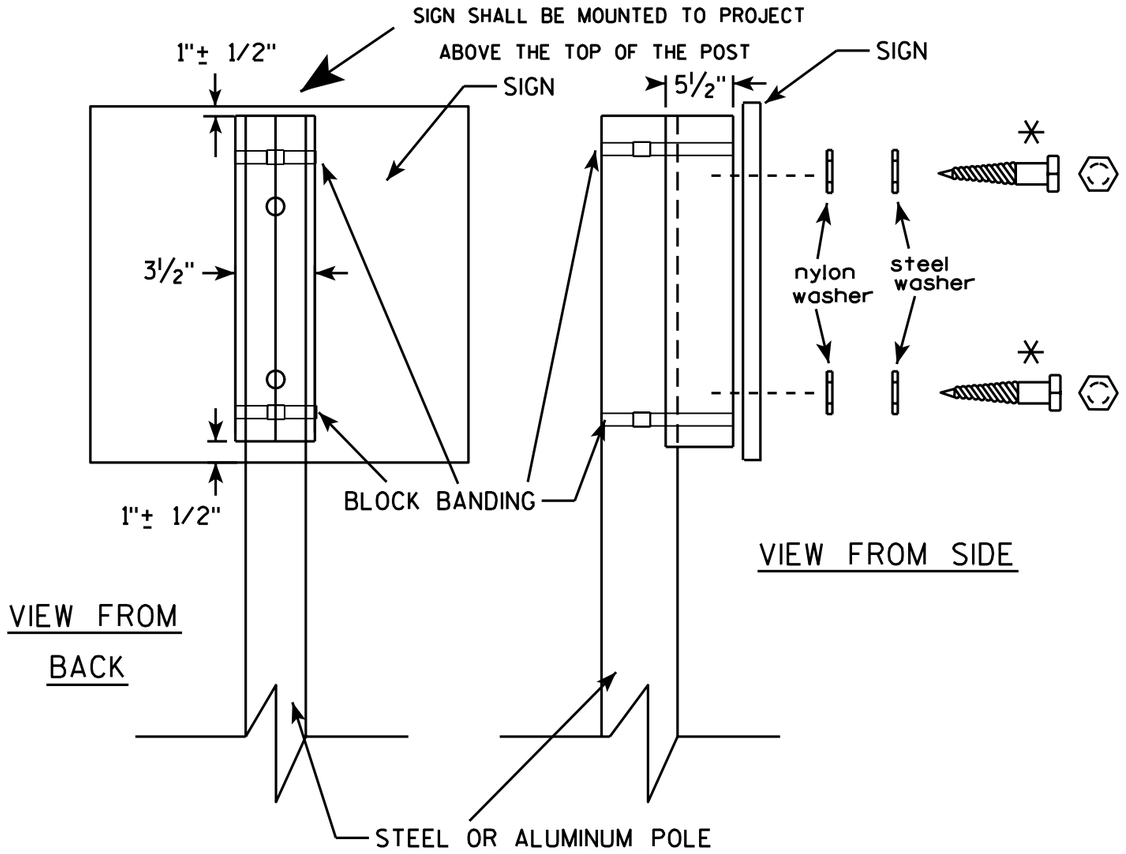
STANDARD SIGN
SIGN BANDING DETAILS

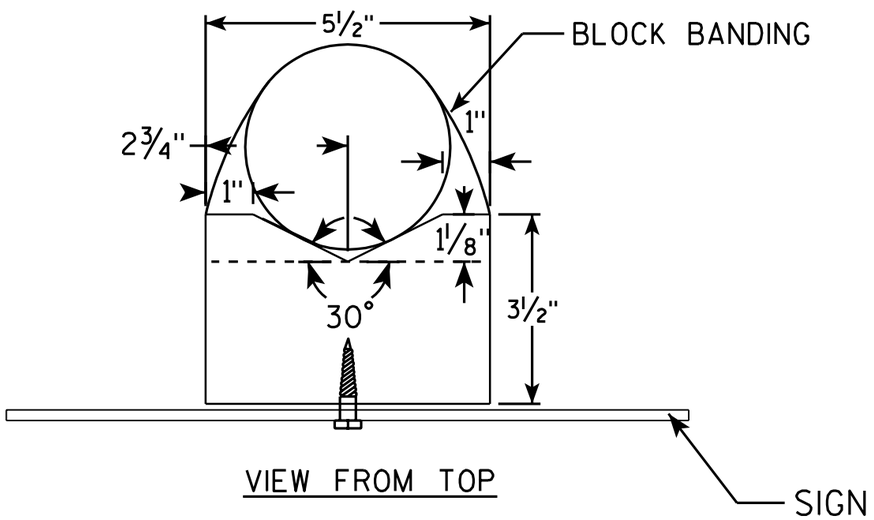
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

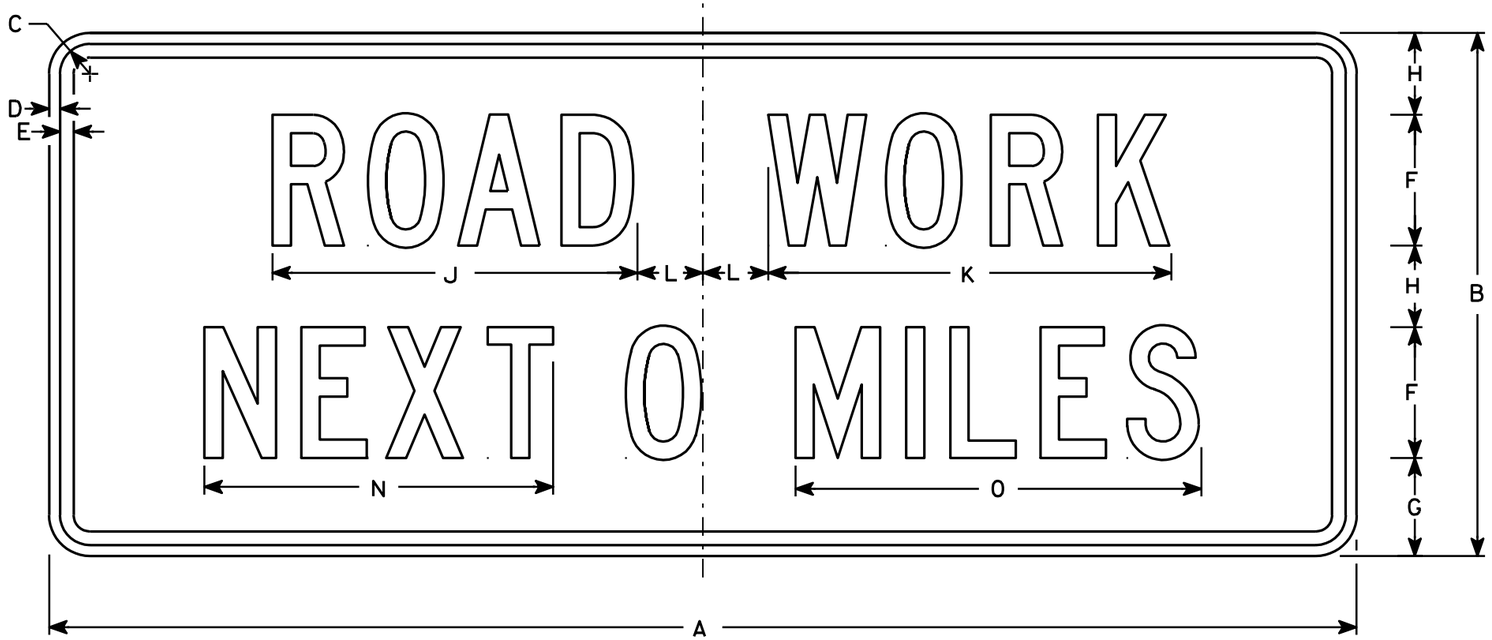
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 221 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



G20-1

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.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

Metric equivalent for this sign is:

SIZE	
1	
2	1500 mm X 600 mm
3	
4	1500 mm X 600 mm
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
3																												
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10	.90
5																												

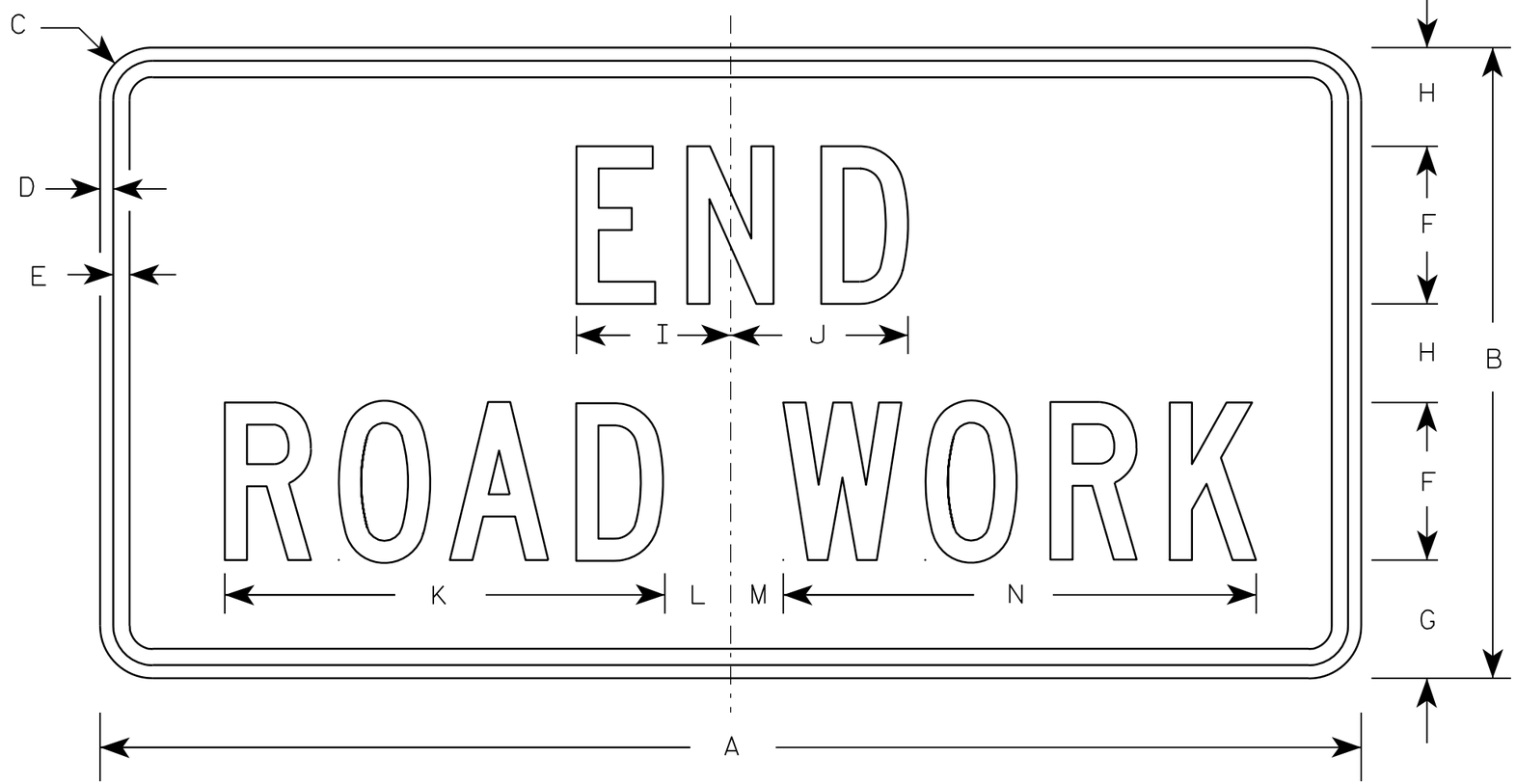
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spray for State Traffic Engineer

DATE 4/8/97 PLATE NO. G20-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	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

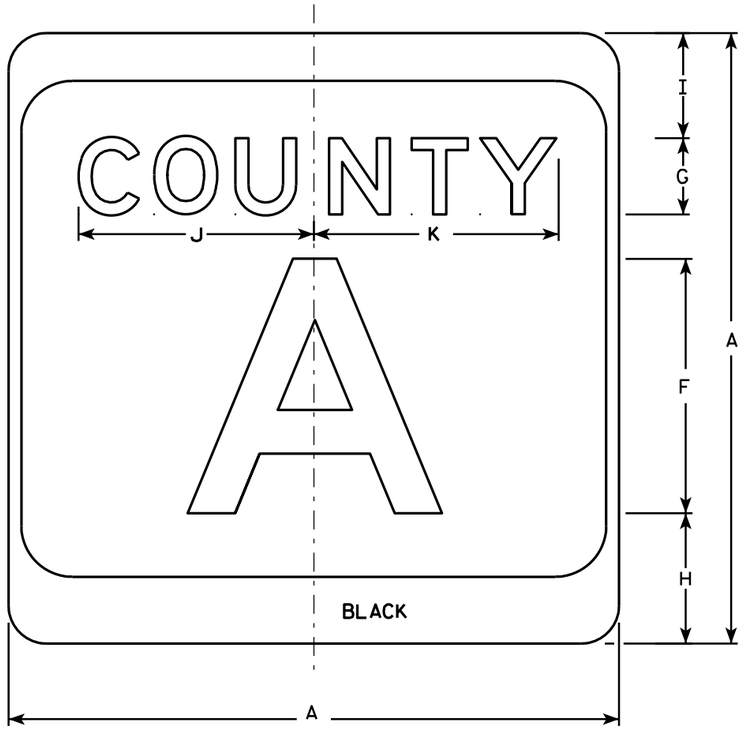
APPROVED Matthew R Rauch
for State Traffic Engineer

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

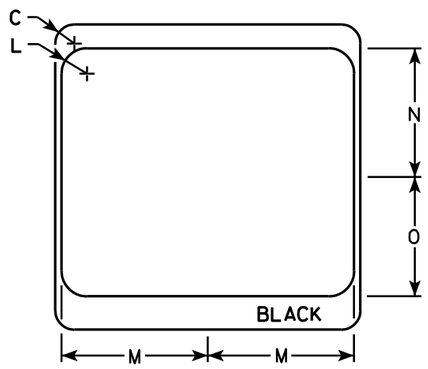
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	E

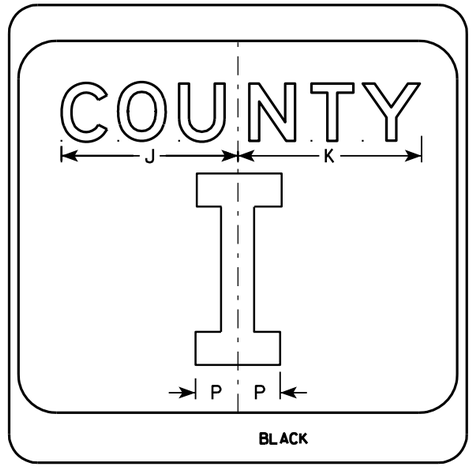
FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN PLOT DATE : 30-SEP-2009 09:31 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.561773:1.000000

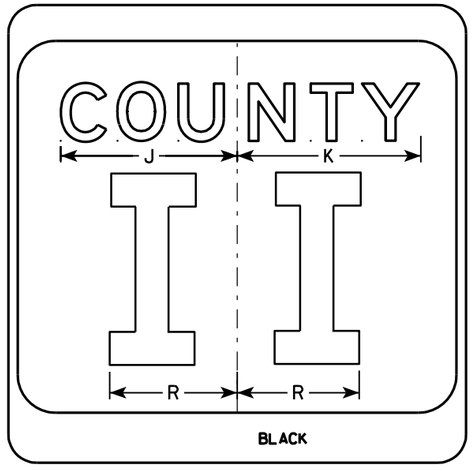
7



M1-5A







NOTES

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

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

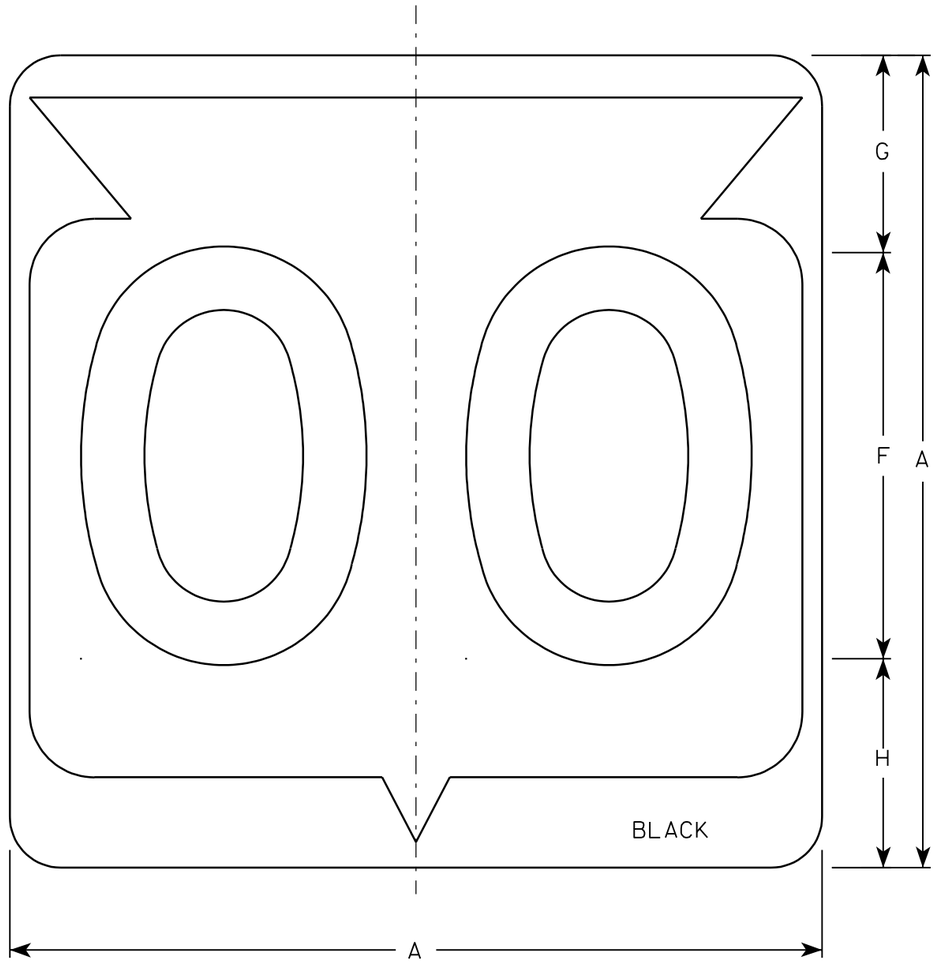
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

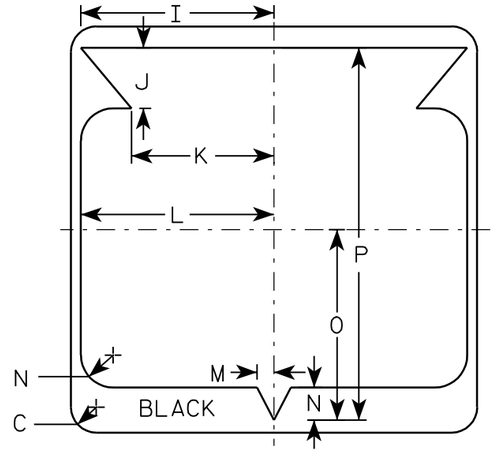
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 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																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

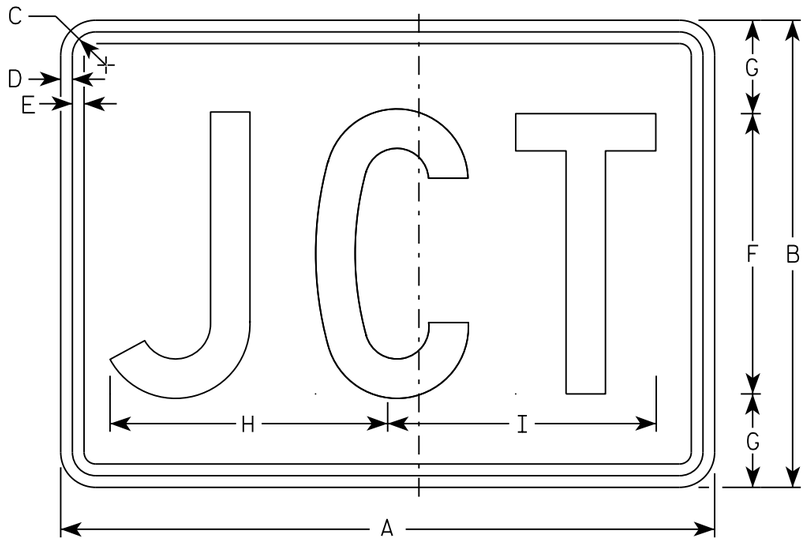
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

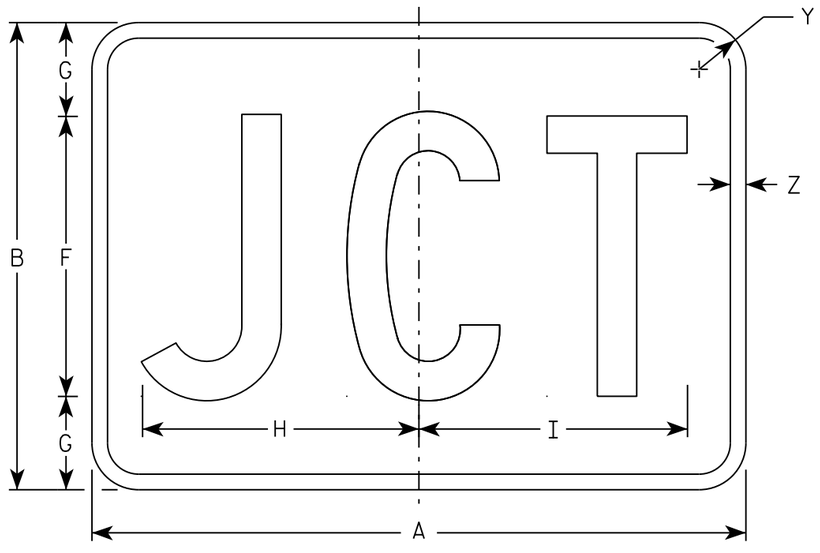
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 225	E



M2-1
MM2-1
MP2-1



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

NOTES

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

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

STANDARD SIGN
M2-1

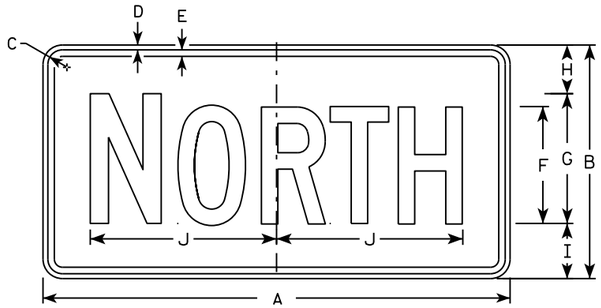
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

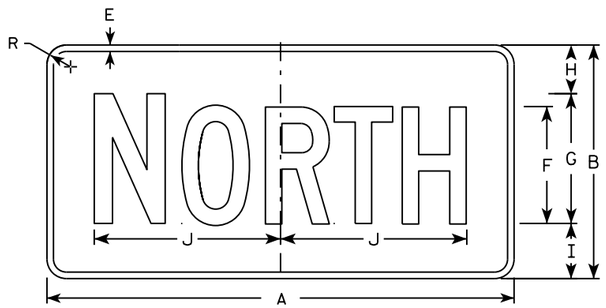
DATE 10/15/15 PLATE 226 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



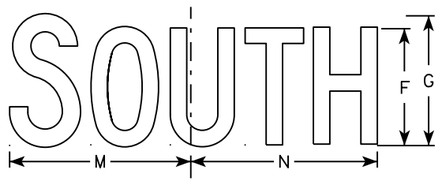
M3-1
MM3-1
MP3-1



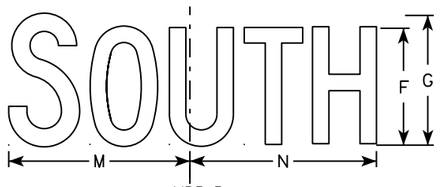
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

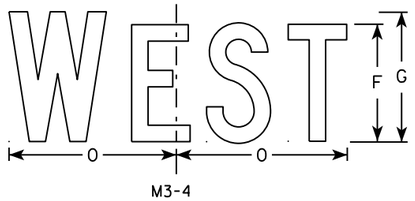
MB3-2
MK3-2
MN3-2



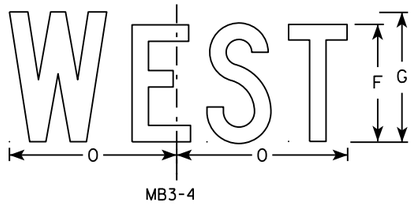
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

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

STANDARD SIGNS
M3-1 thur M3-4
SERIES

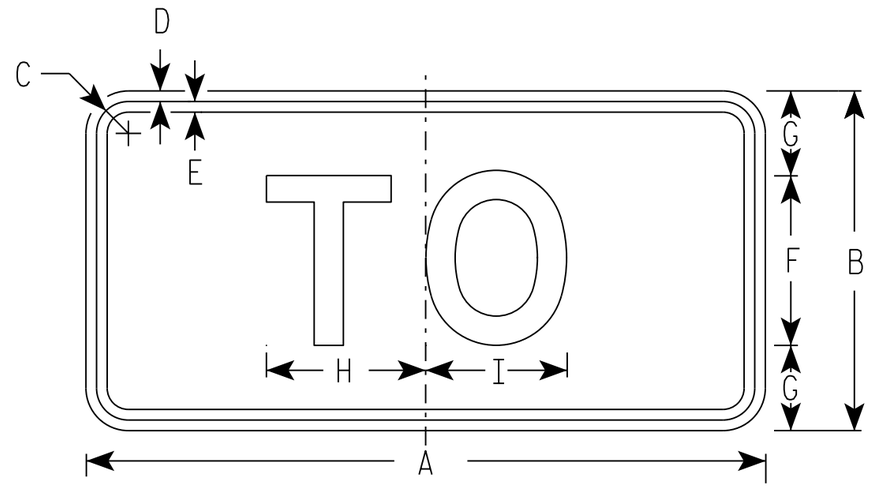
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

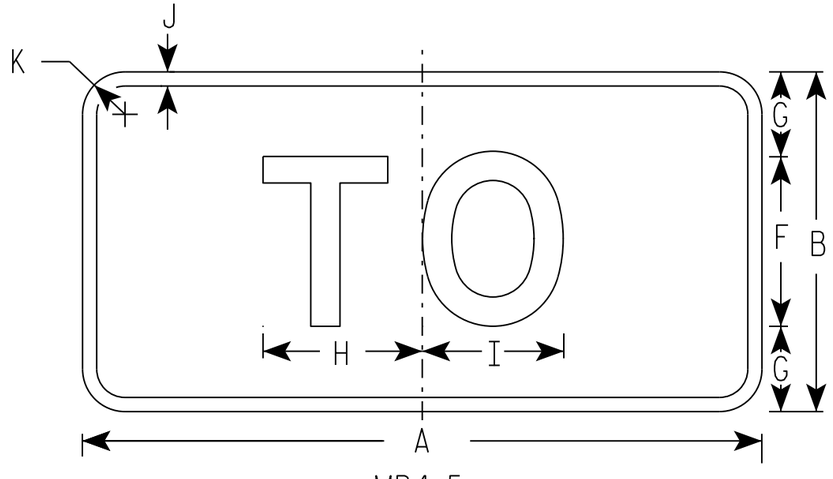
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

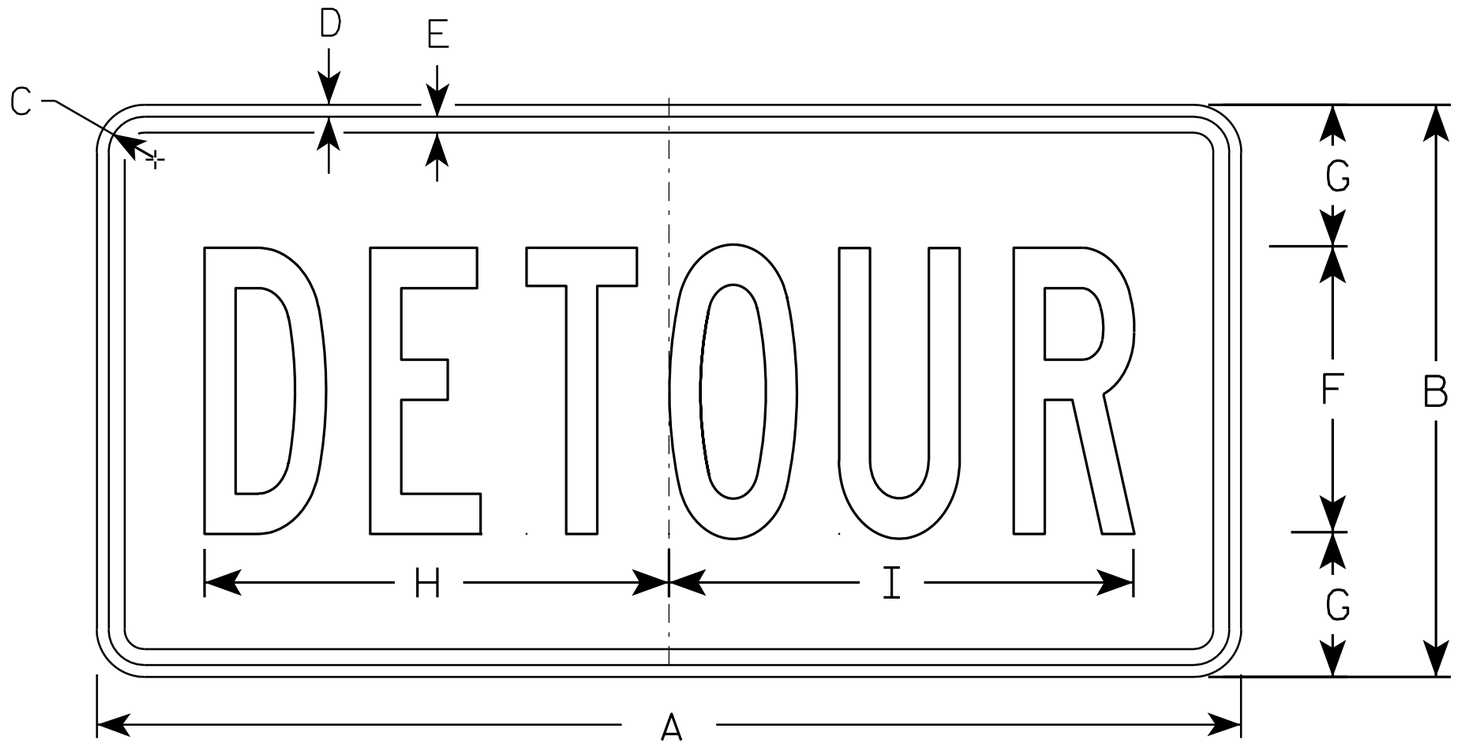
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 228 M4-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

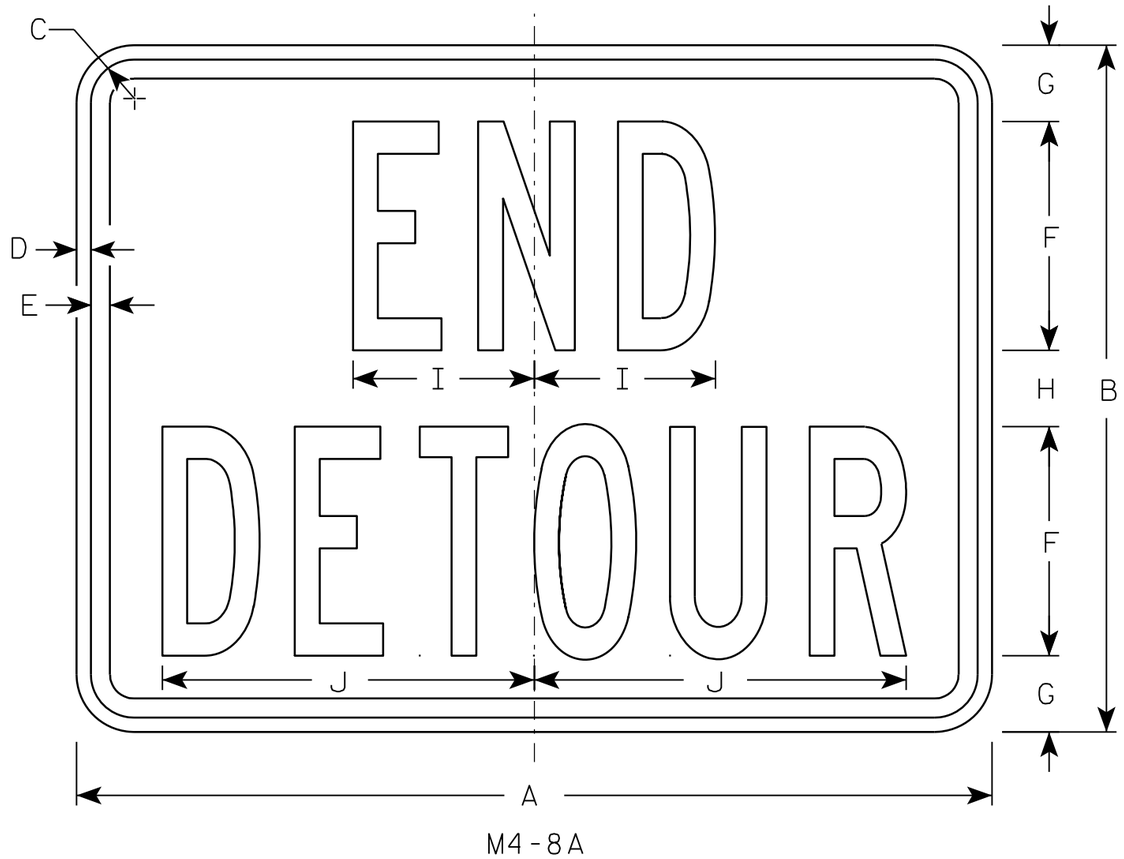
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 229	E



M4-8A

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

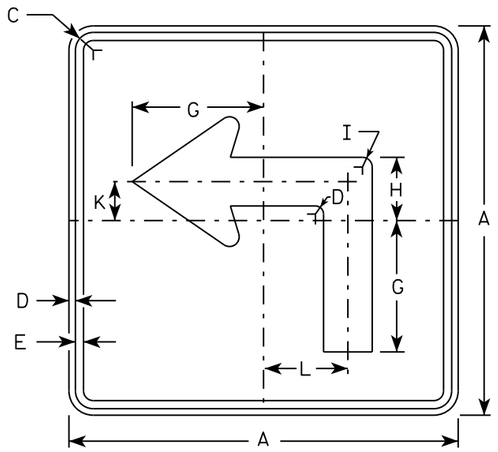
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

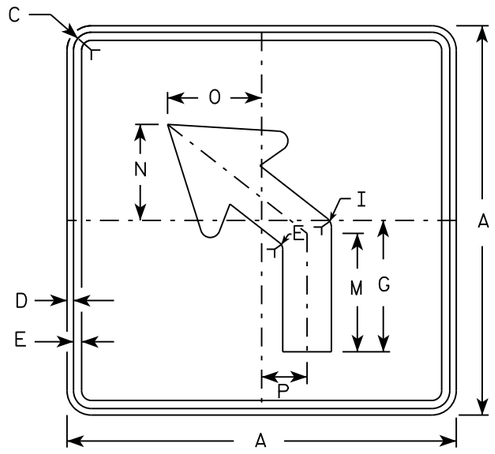
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

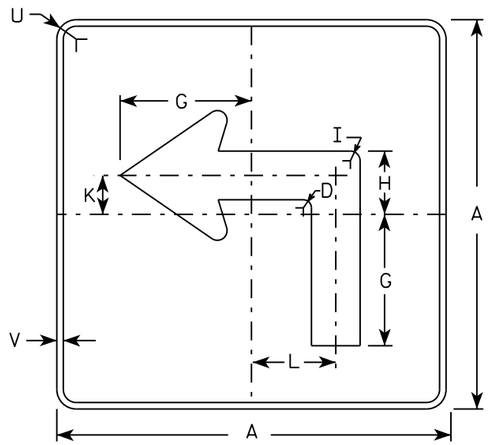
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



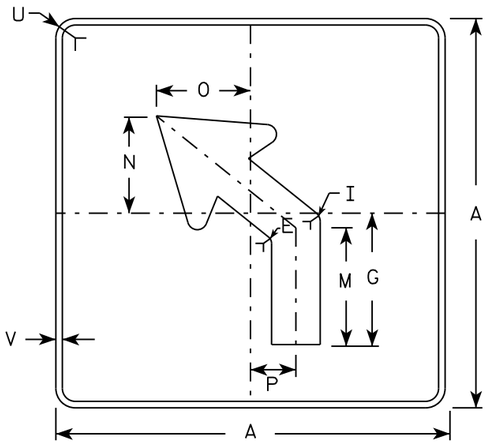
M5-1L
MM5-1L
MO5-1L
MP5-1L



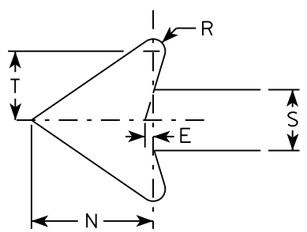
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

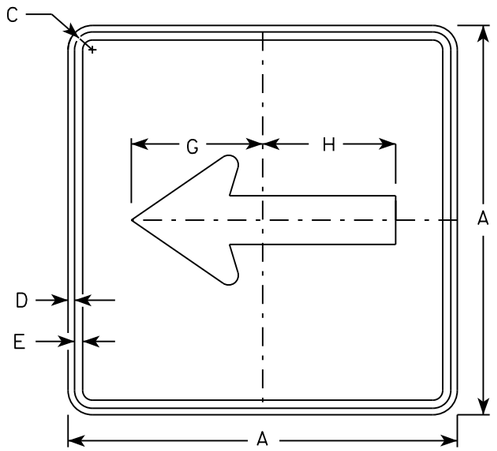
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

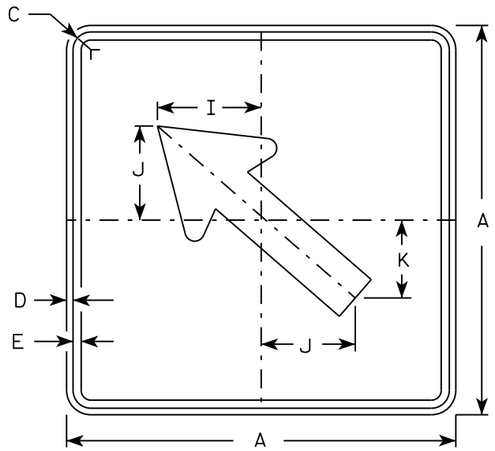
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



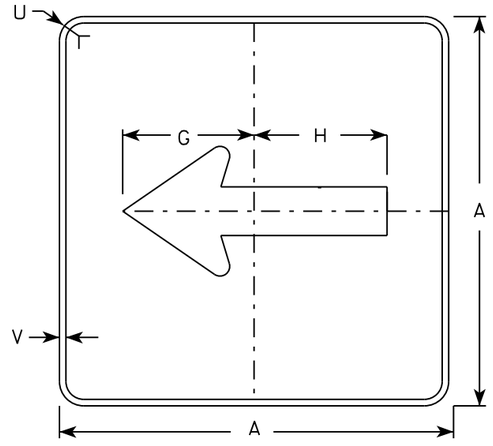
M6-1
MM6-1
MO6-1
MP6-1



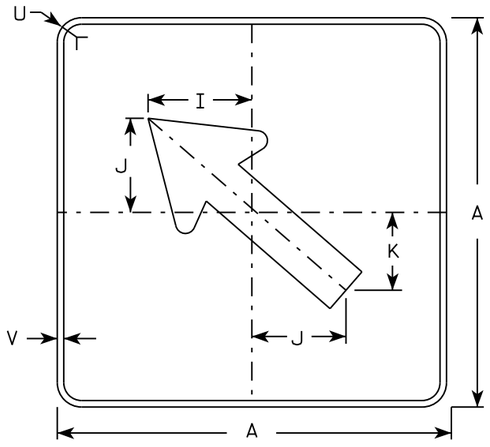
M6-2
MM6-2
MO6-2
MP6-2

NOTES

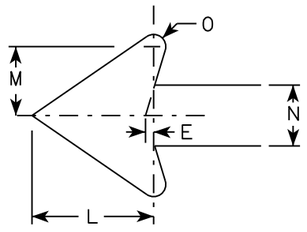
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



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



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



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

STANDARD SIGN
M6-1 & M6-2
SERIES

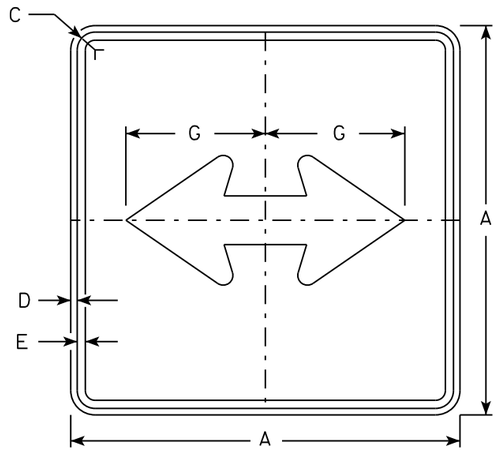
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

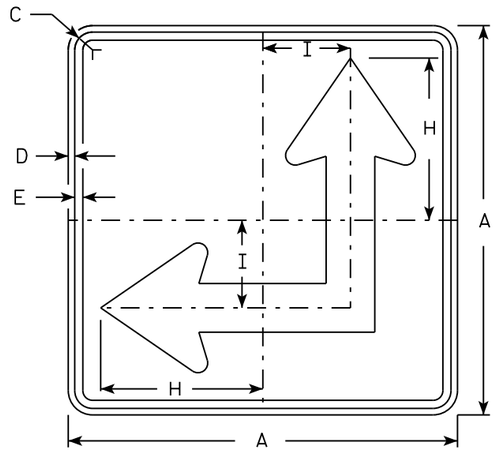
DATE 10/15/15 PLATI 232 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



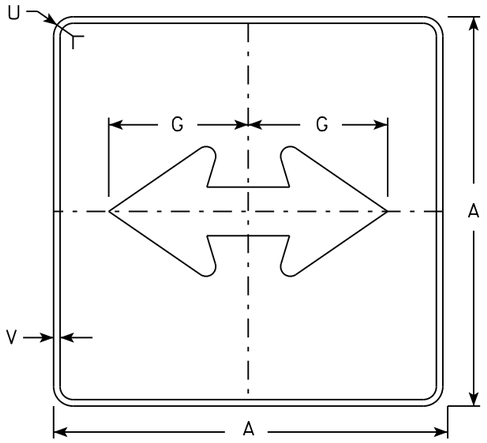
M6-4
MM6-4
MO6-4
MP6-4



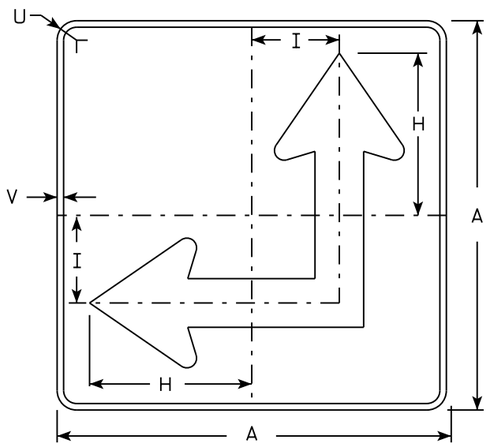
M6-6
MM6-6
MO6-6
MP6-6

NOTES

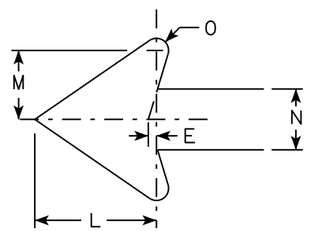
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



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



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



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

STANDARD SIGN
M6-4 & M6-6
SERIES

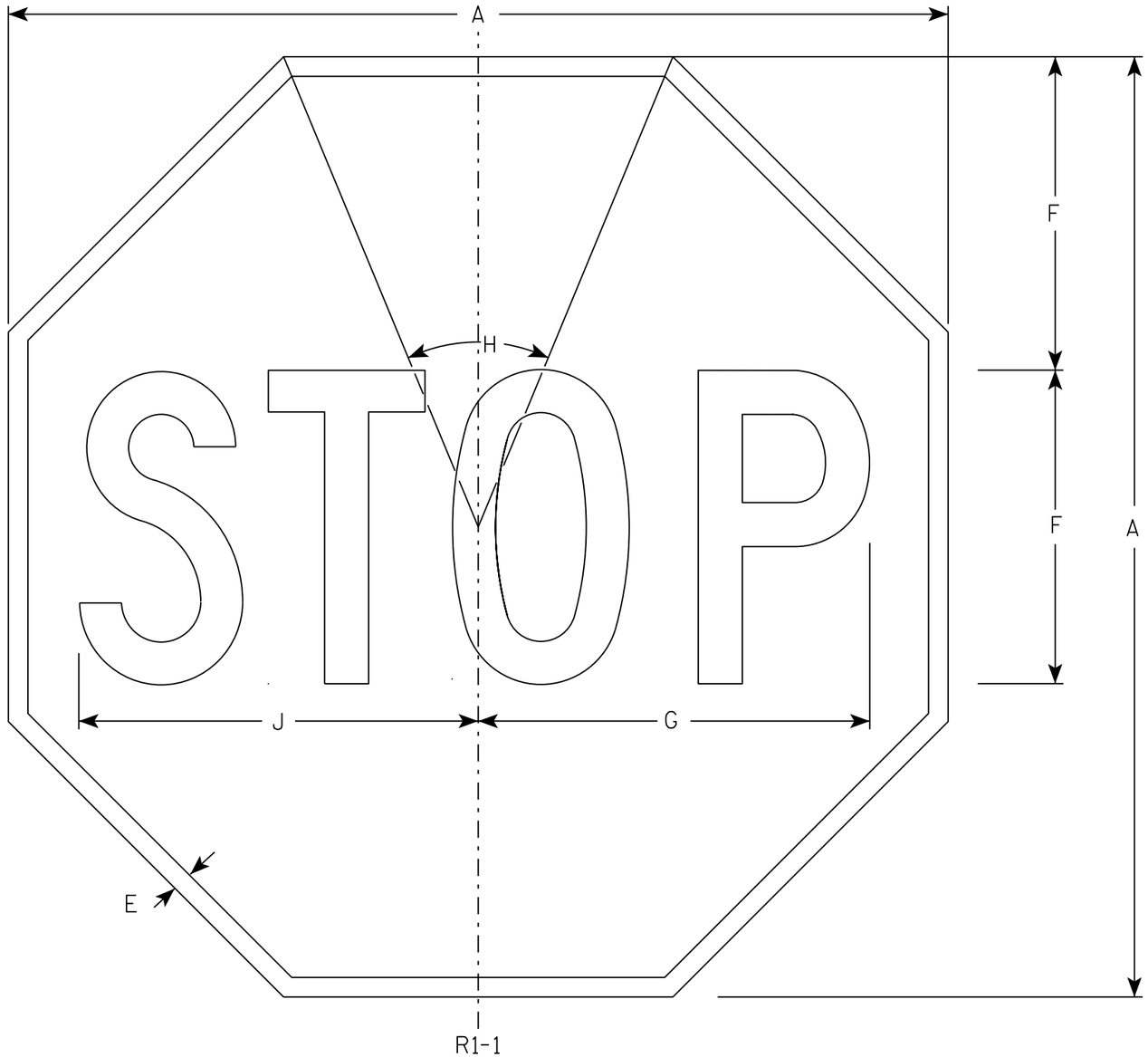
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 233 M6-4.10

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R1-1

NOTES

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

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

STANDARD SIGN
R1-1

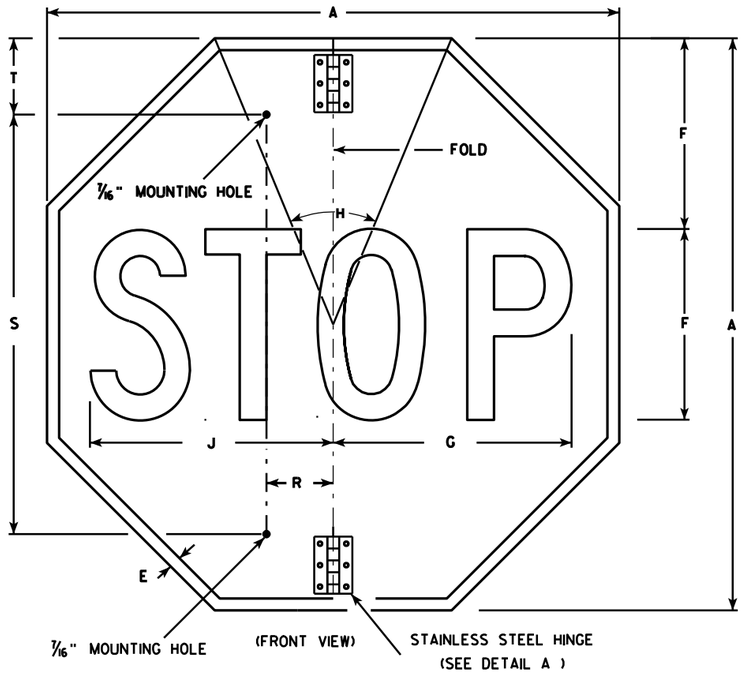
WISCONSIN DEPT OF TRANSPORTATION

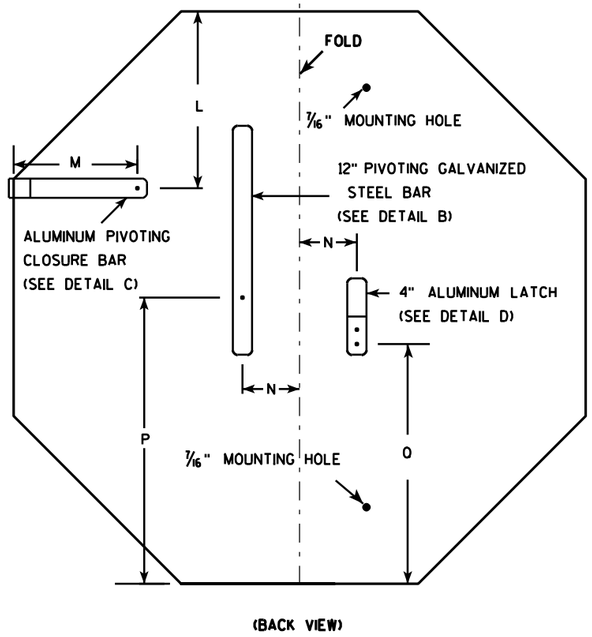
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 234 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

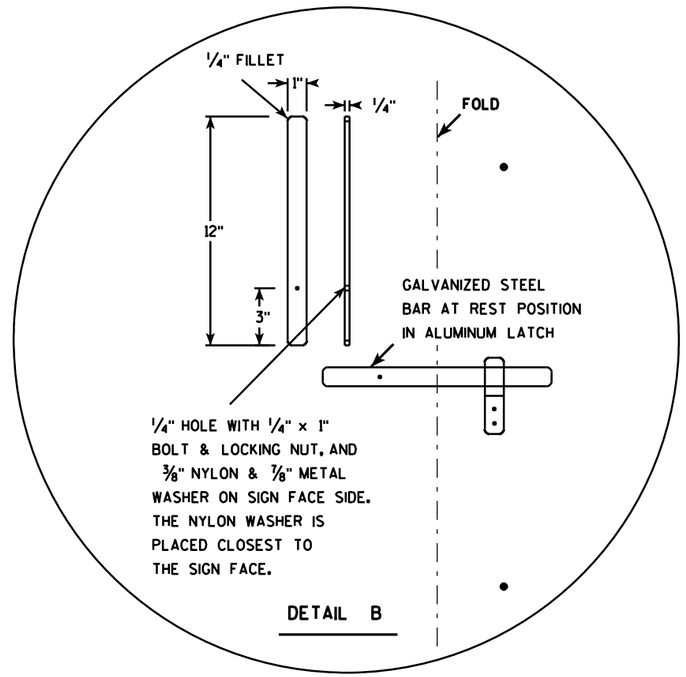
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



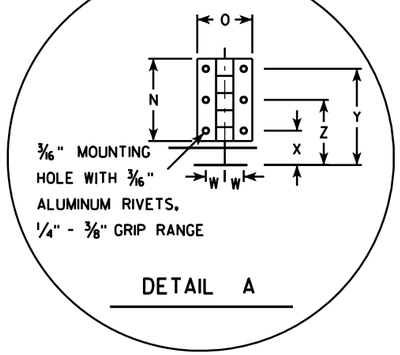


NOTES

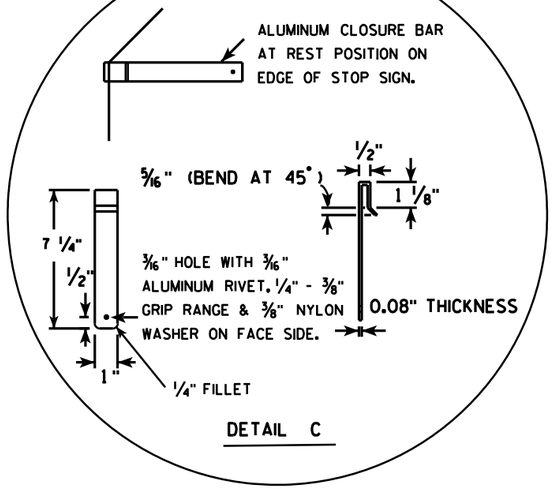
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



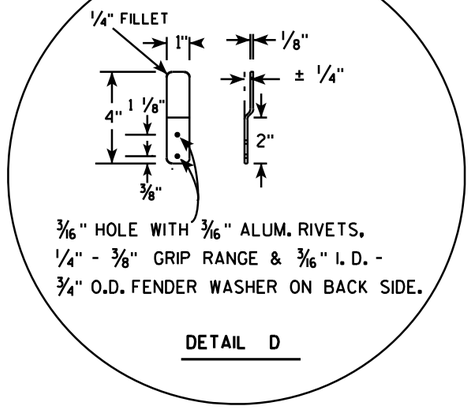
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

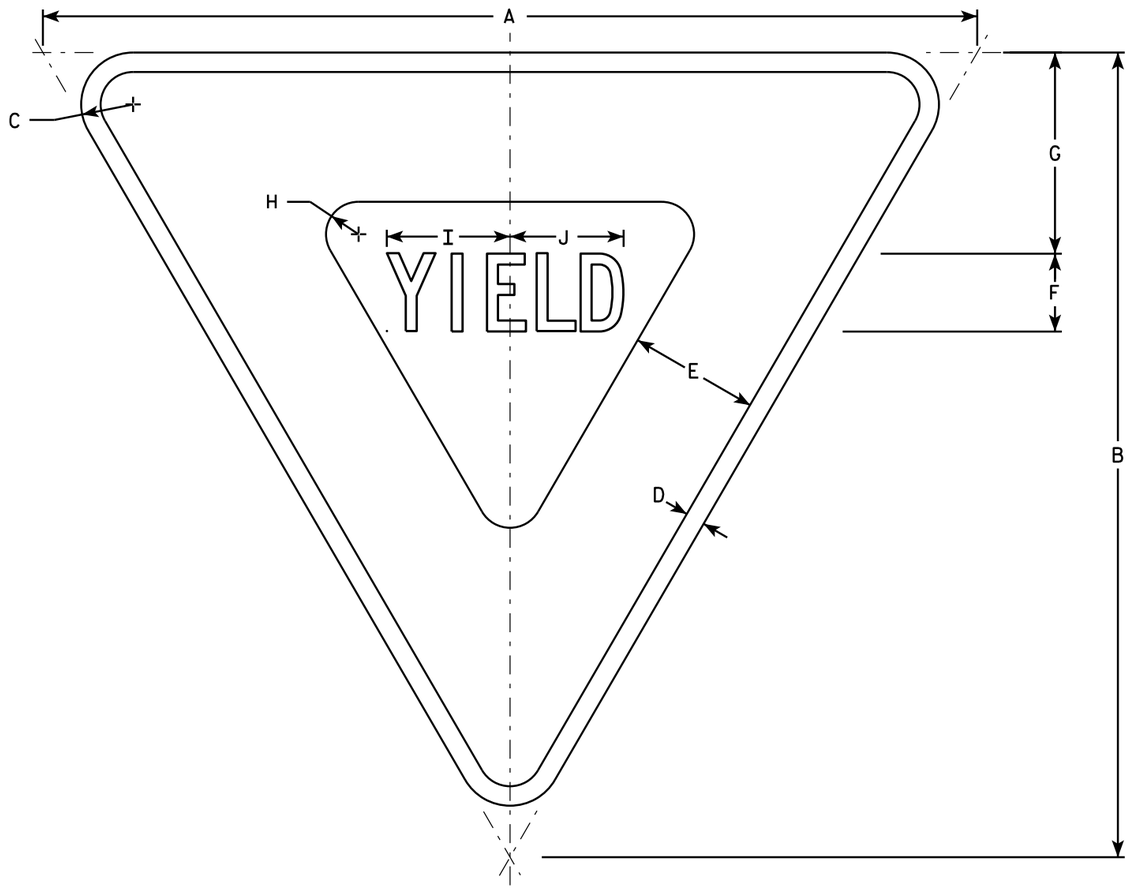
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 235 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

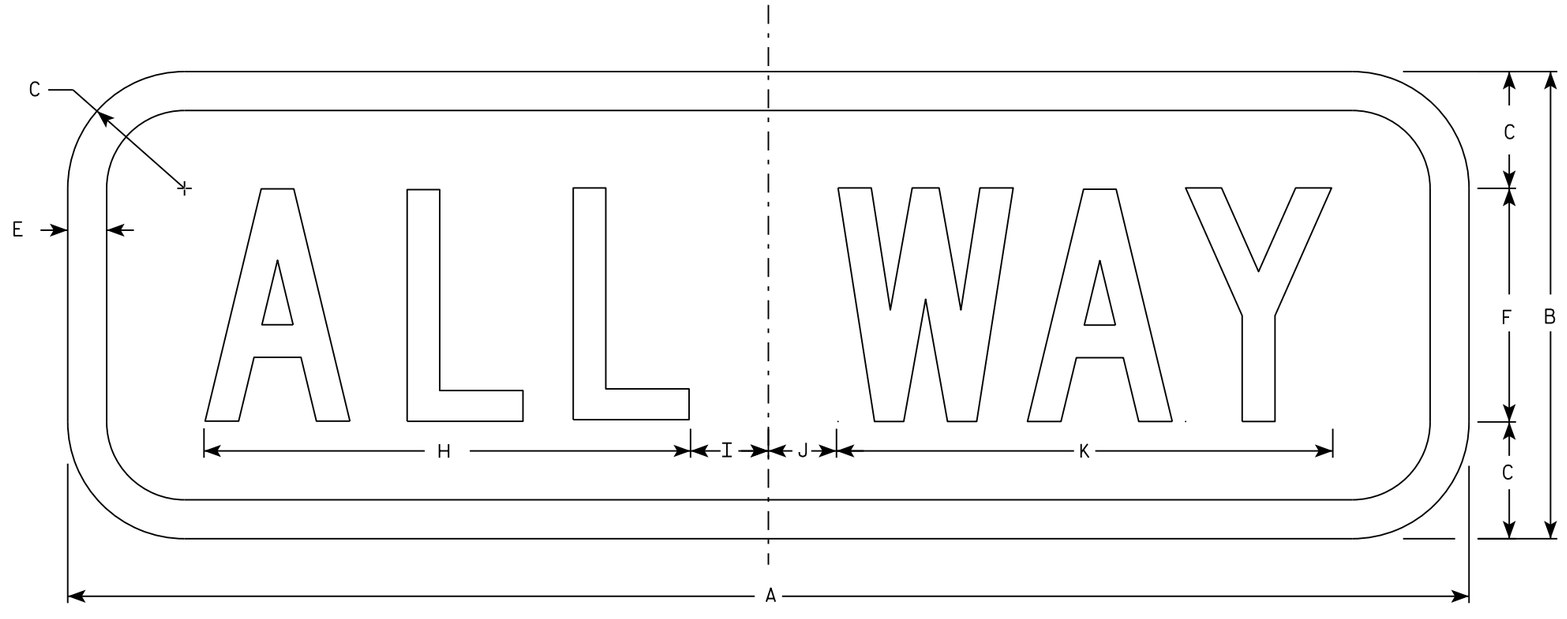
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R1-3P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
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	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

STANDARD SIGN
R1-3P

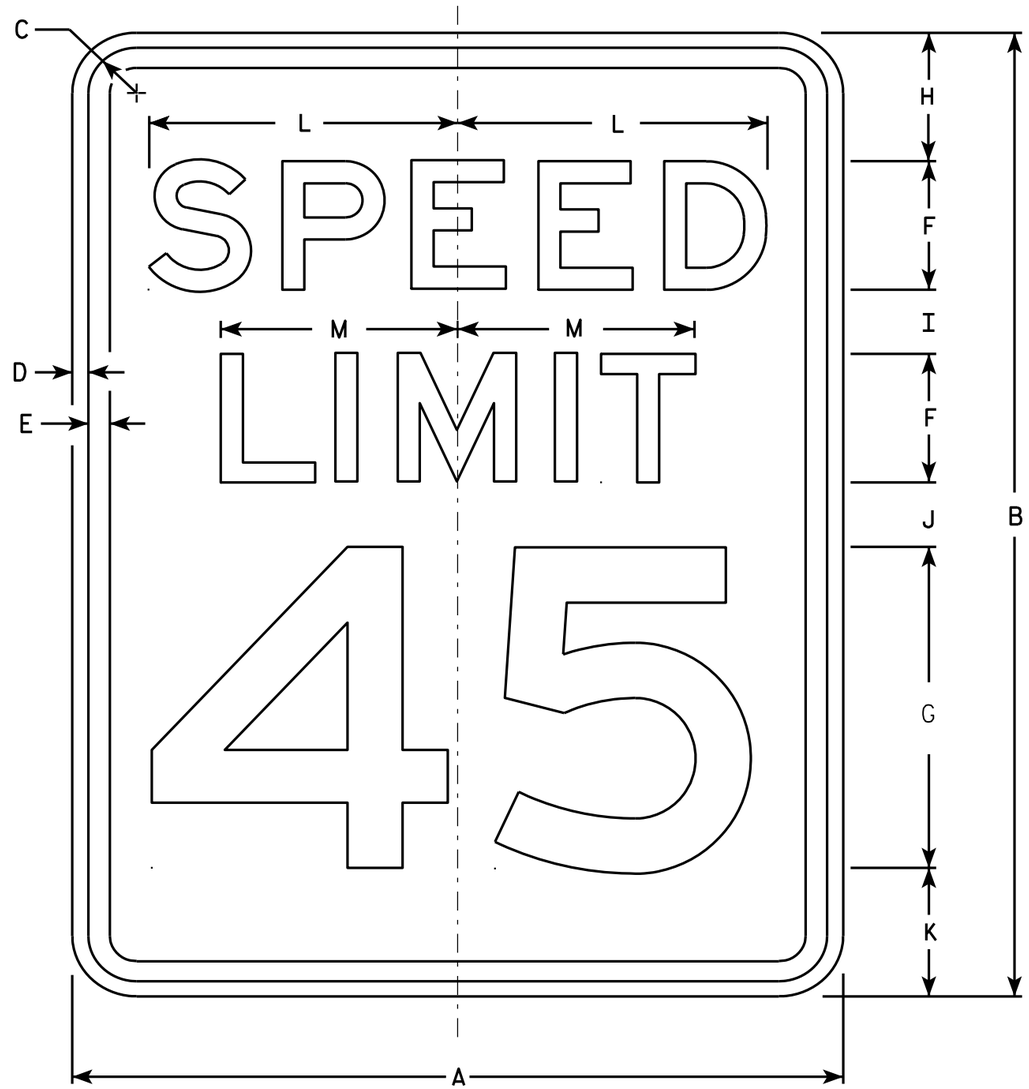
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/24/15 PLATE No. R1-3P.2

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R13P.DGN PLOT DATE : 01-DEC-2015 18:08 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 1.945842:1.000000



R2-1

NOTES

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

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

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

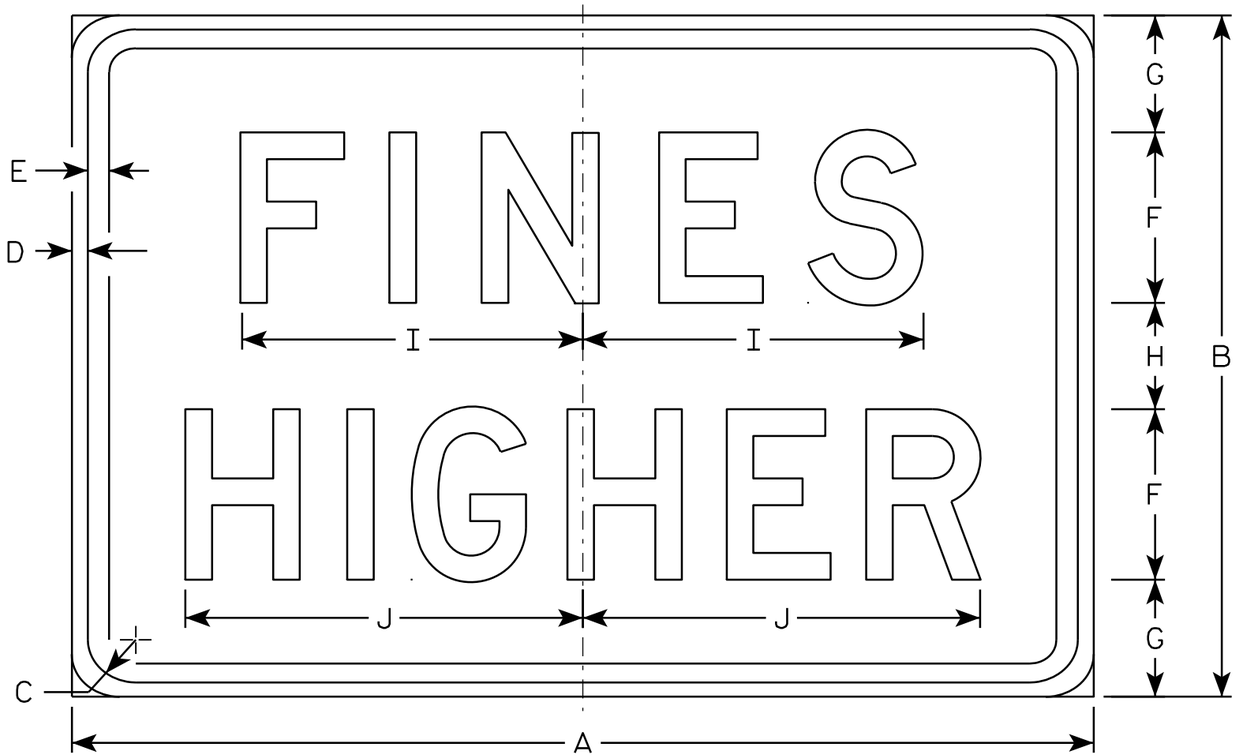
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 238 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

WISDOT/CADDS SHEET 42



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

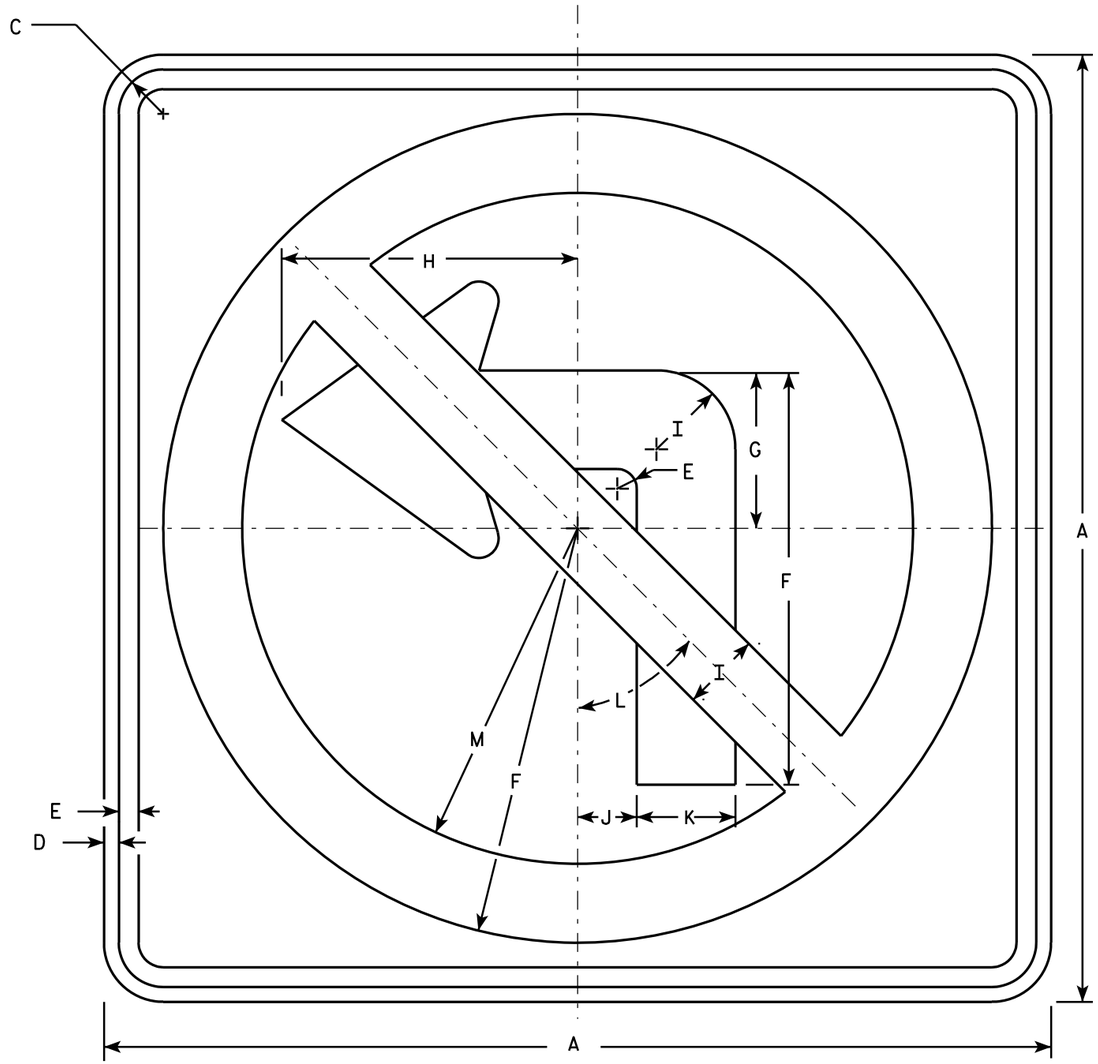
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

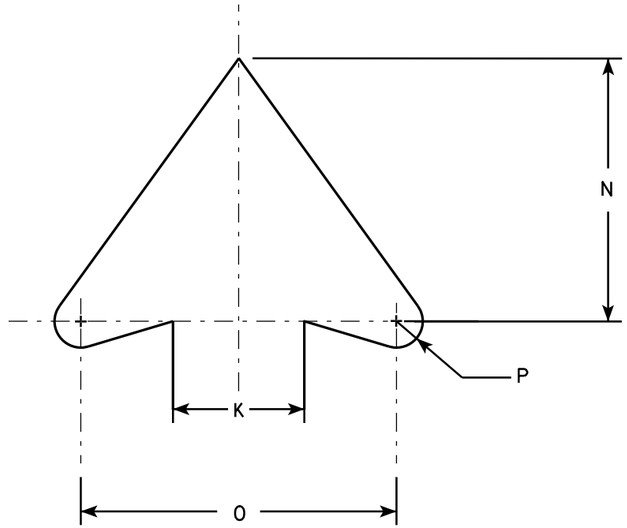
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 239 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

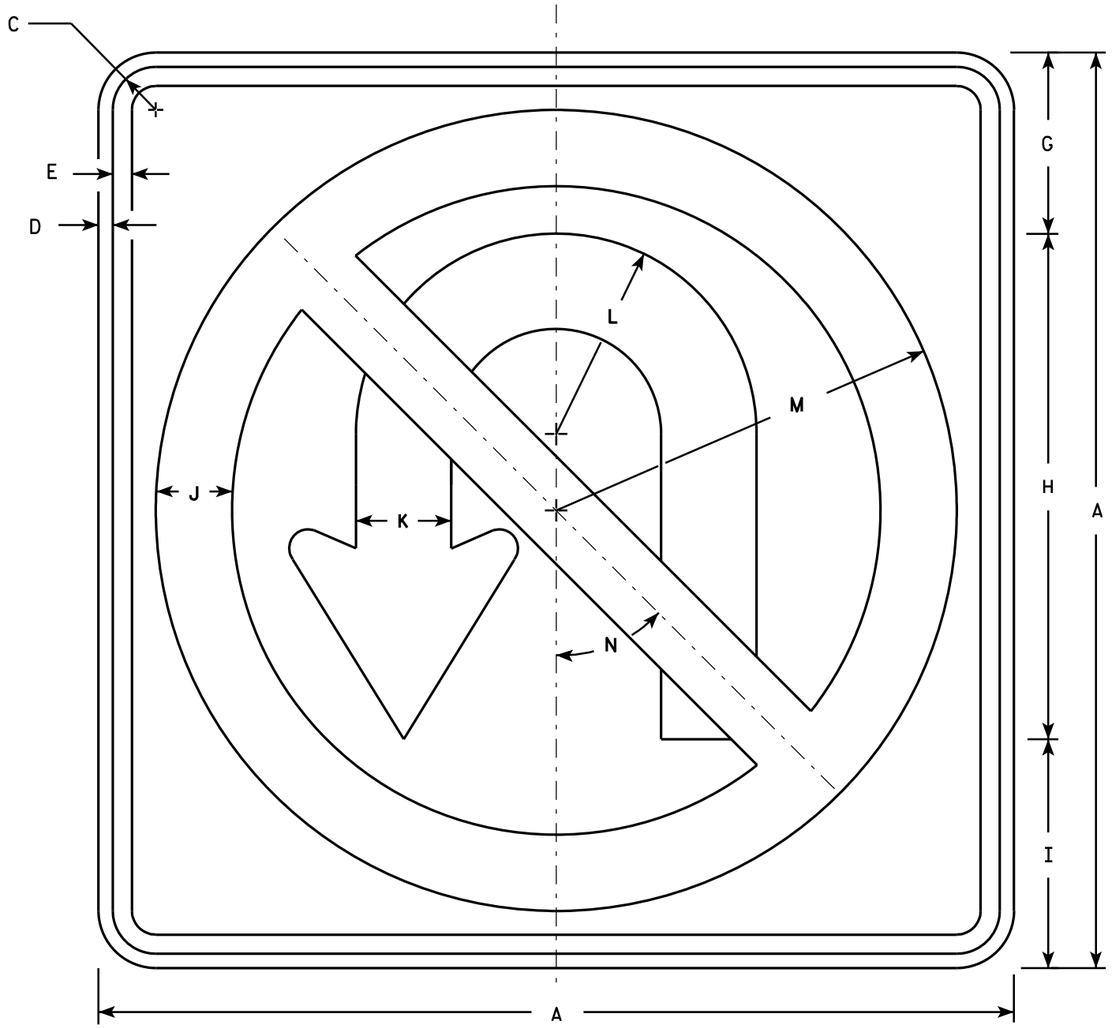
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

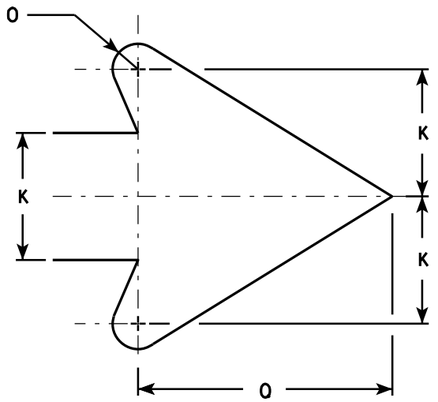
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 240	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

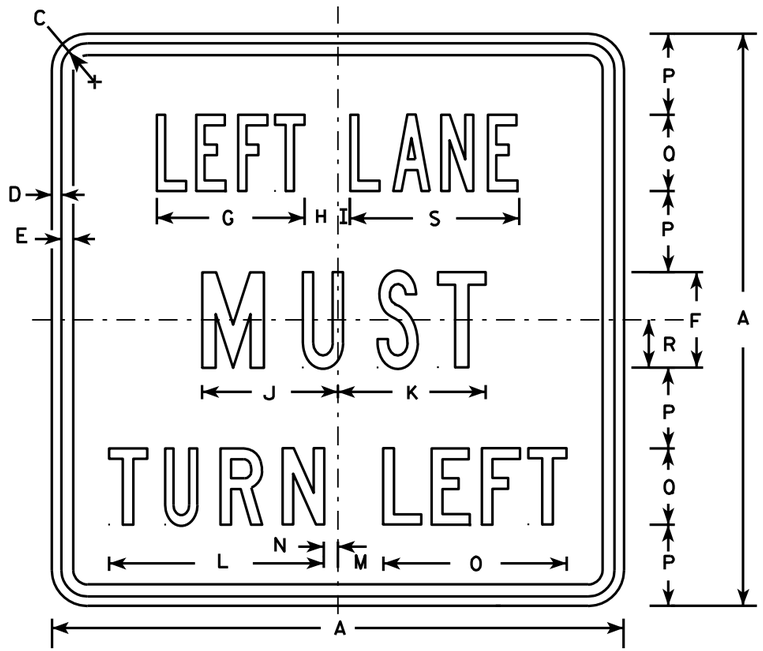
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

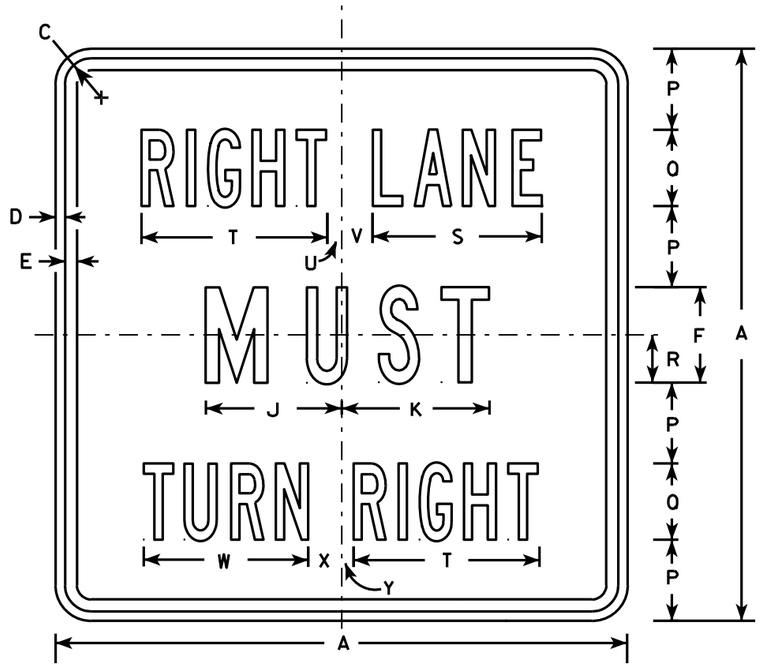
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 241	E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

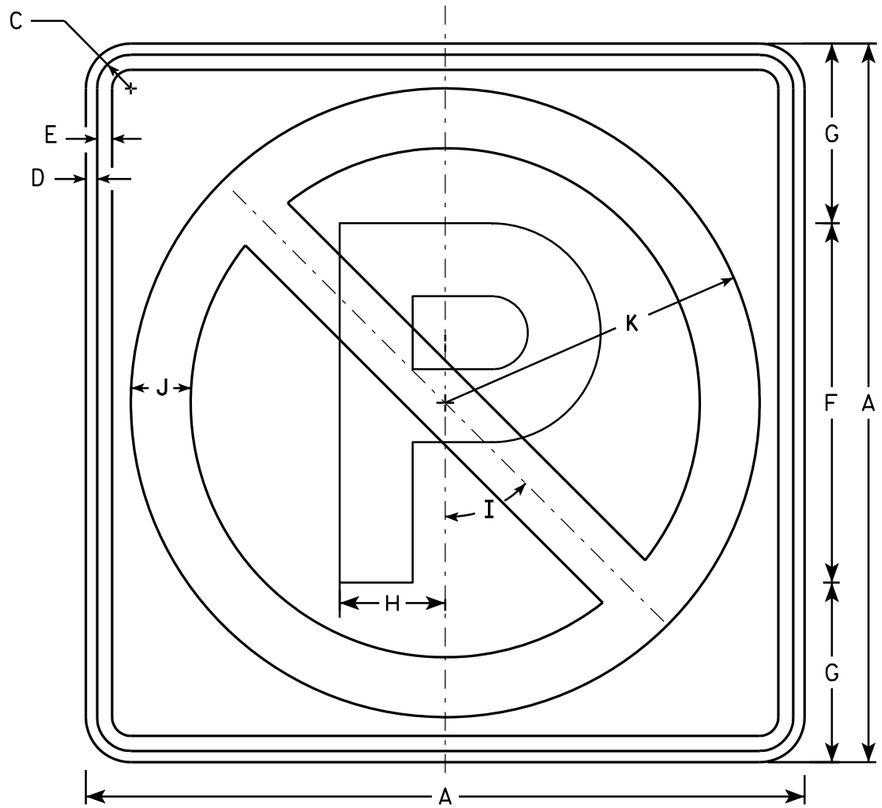
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 | E



R3-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Letter P are non reflective black, the circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
2M	24		1 1/8	3/8	1/2	12	6	3 1/2	45°	2	10 1/2																4.0
3																											
4																											
5																											

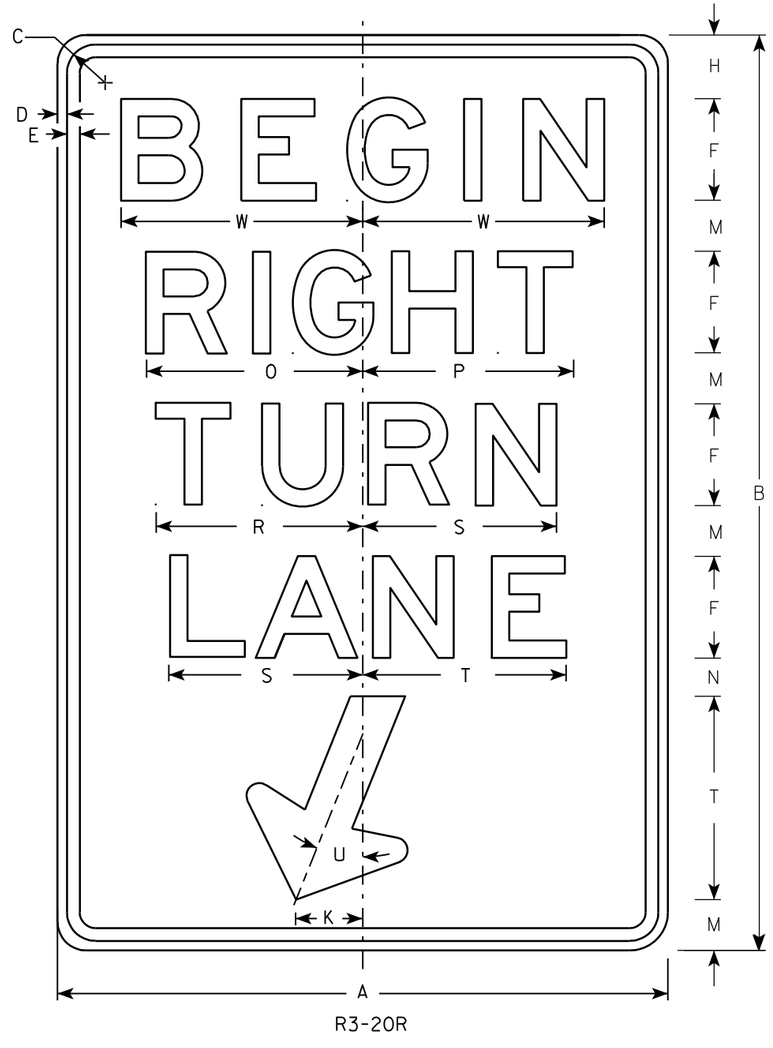
STANDARD SIGN
R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/01/12 PLATE NO. R3-8A.1

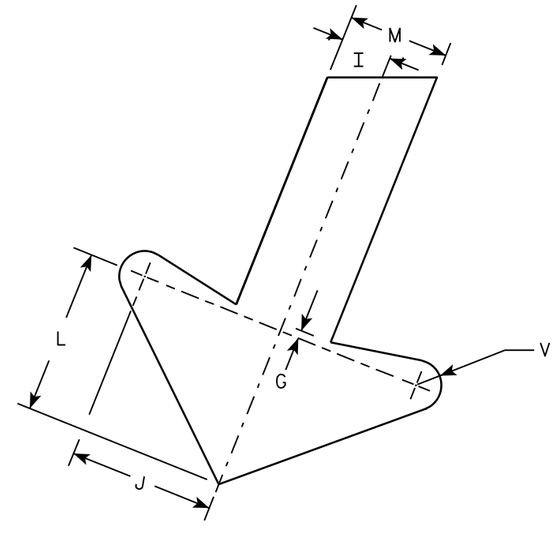
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 243 | E



R3-20R

NOTES

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



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

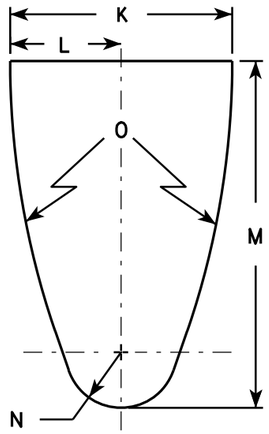
STANDARD SIGN
R3-20R

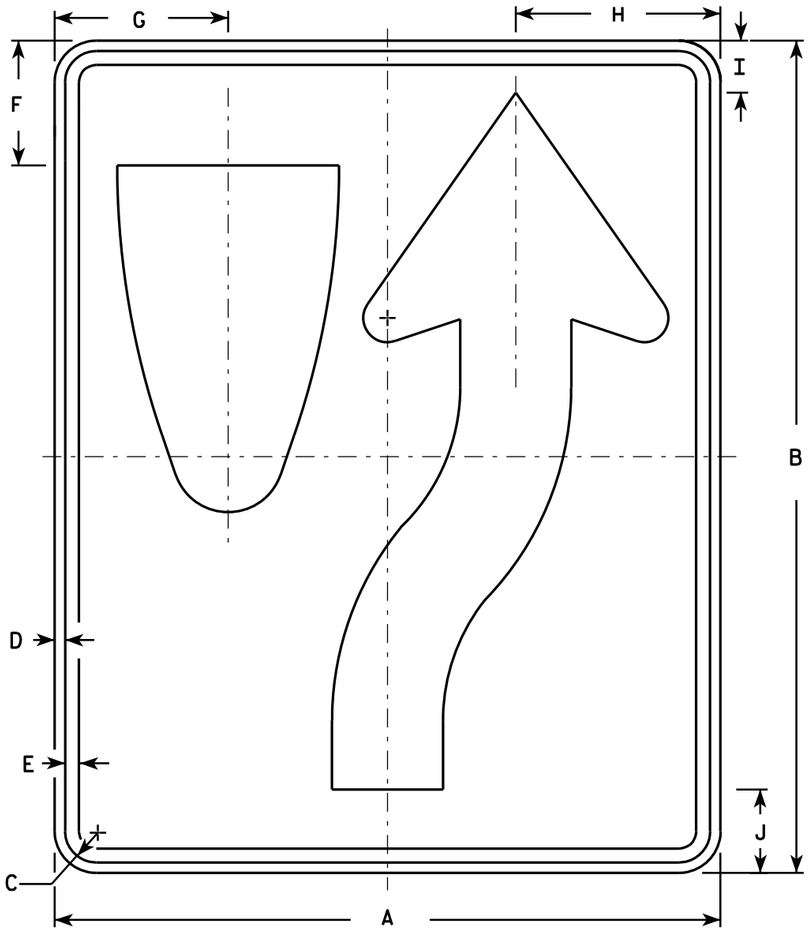
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 244 | E

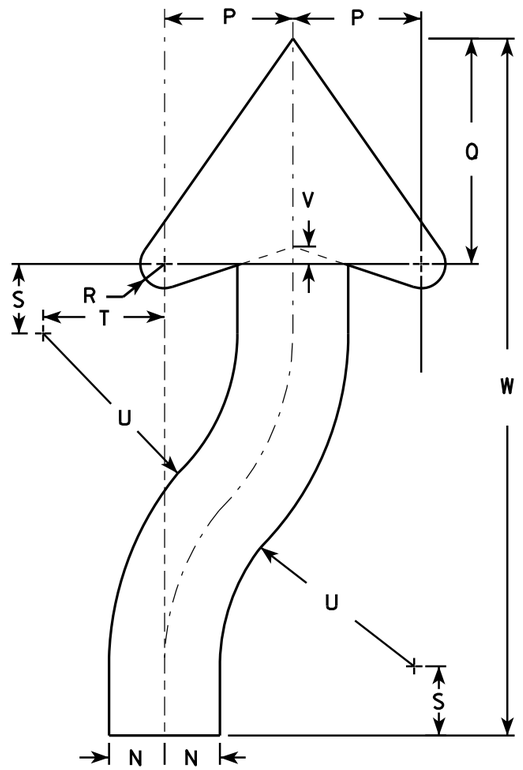




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

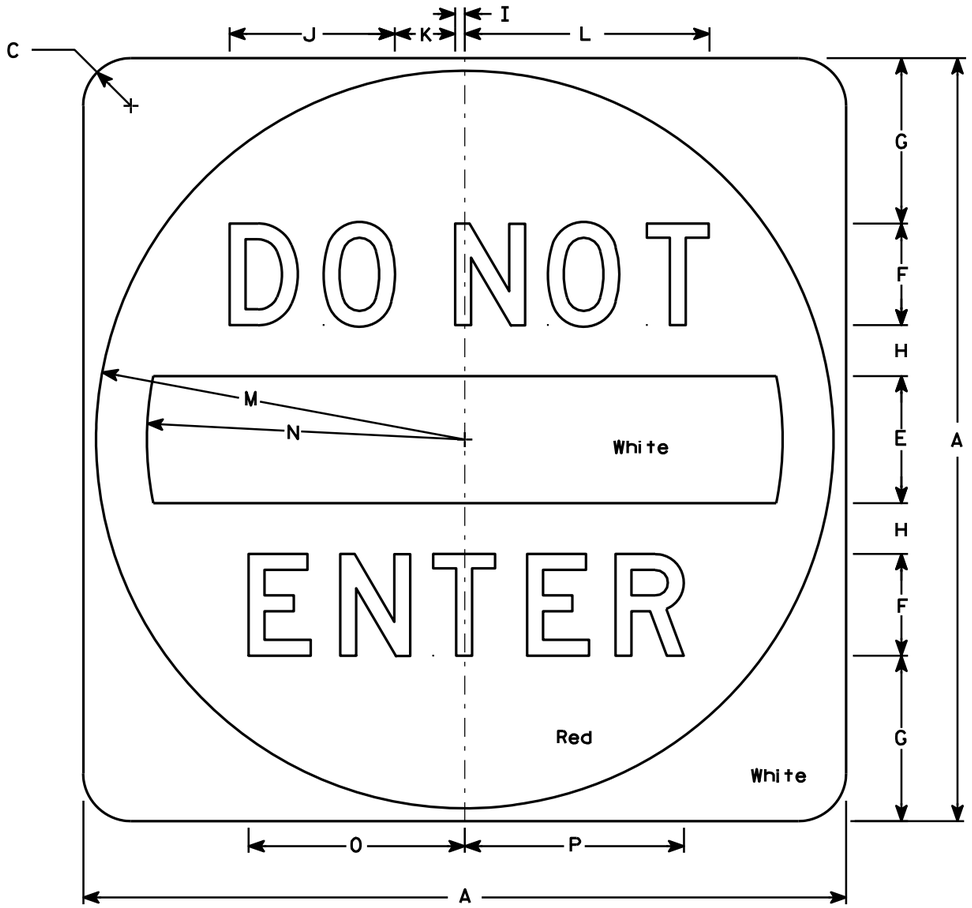
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 245	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors 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																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

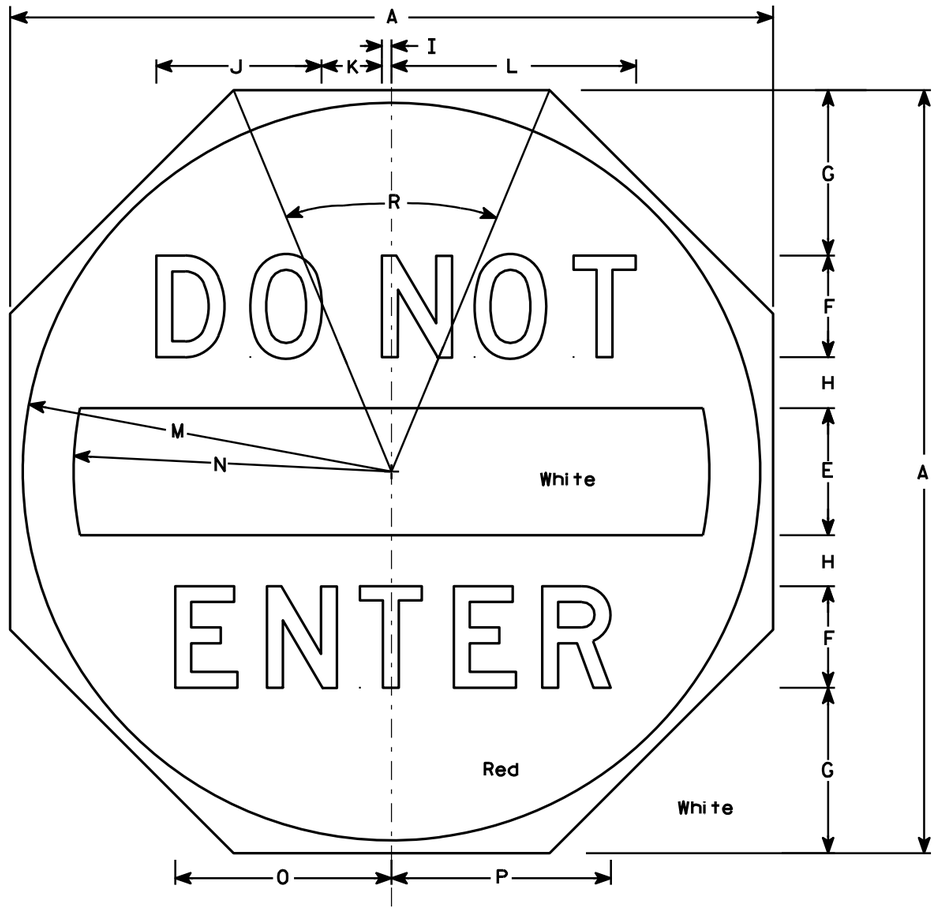
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 246 | E



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors 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																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8		45°									5.18
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									13.25
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8		45°									13.25

STANDARD SIGN
R5-1C

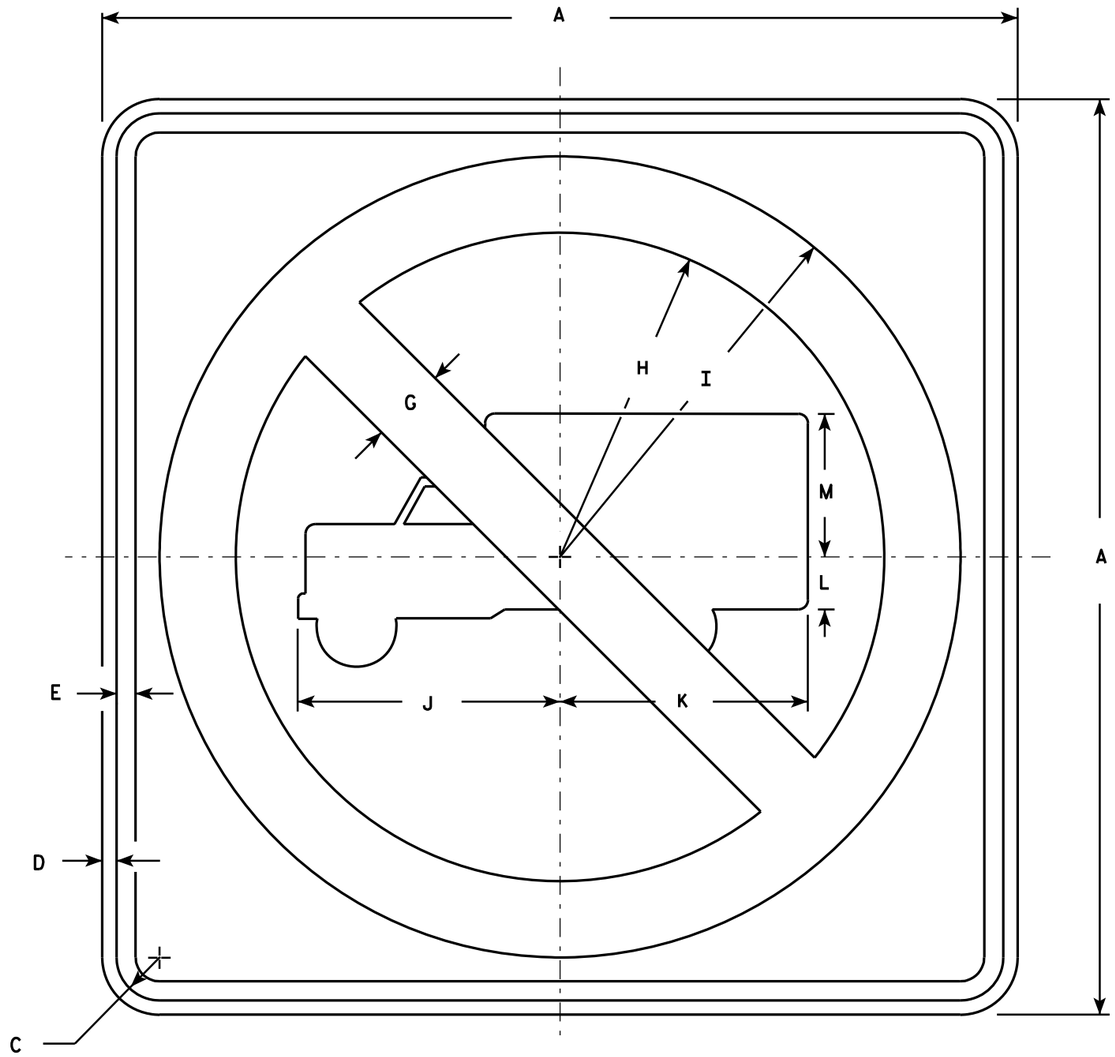
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 247 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

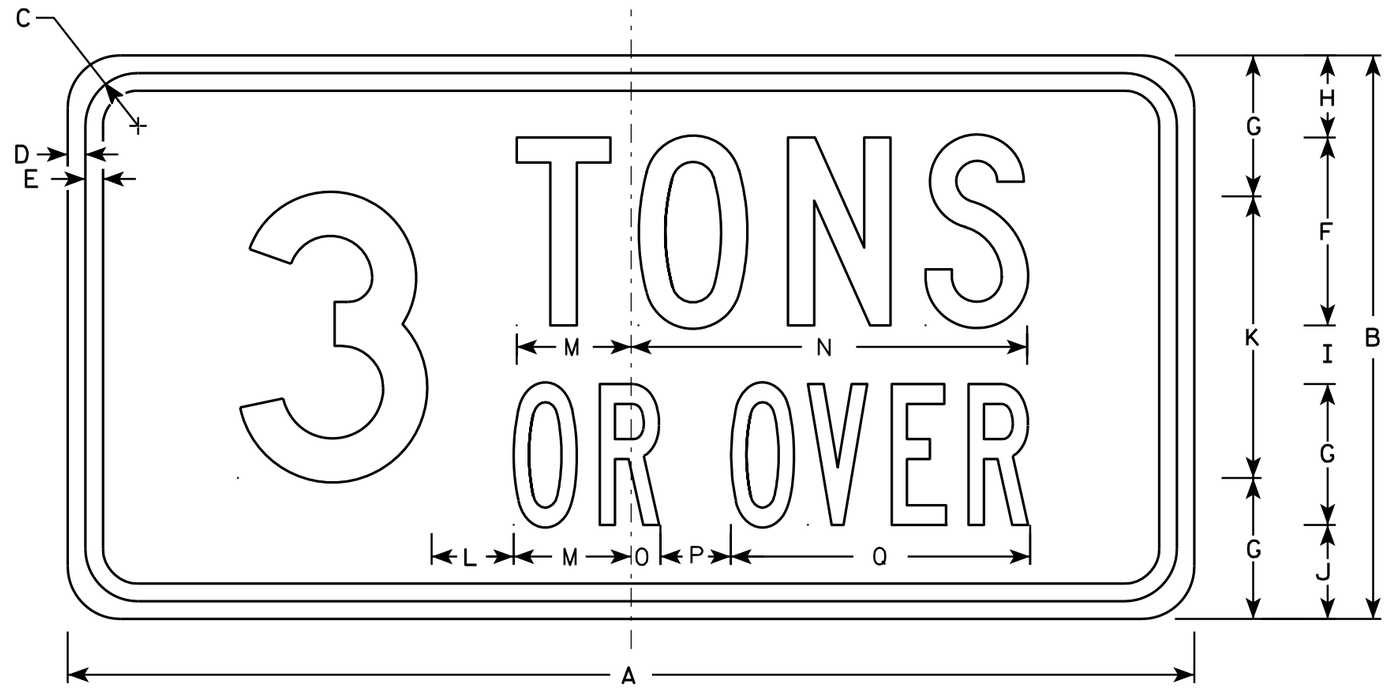
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 248	E



R5-2A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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"
   Line 2 is Series "B"
   Numeral is Series "D"
6. Substitute appropriate numerals.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
2M	24	12	1 1/8	3/8	3/8	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
3	30	15	1 1/8	3/8	1/2	5	4	2 1/8	1 3/8	2 1/2	7	2 1/4	3 1/8	10 1/2	1	2 3/8	8 1/2										2.25
4	36	18	1 1/8	3/8	1/2	6	5	2 5/8	1 3/8	3	9	2 1/2	3 3/4	12 5/8	1 3/8	3 1/8	10 1/2										4.5
5	48	24	1 3/8	3/8	5/8	8	6	3 1/2	2 1/2	4	12	3 1/2	4 7/8	16 7/8	1 1/4	3	12 3/4										8.0

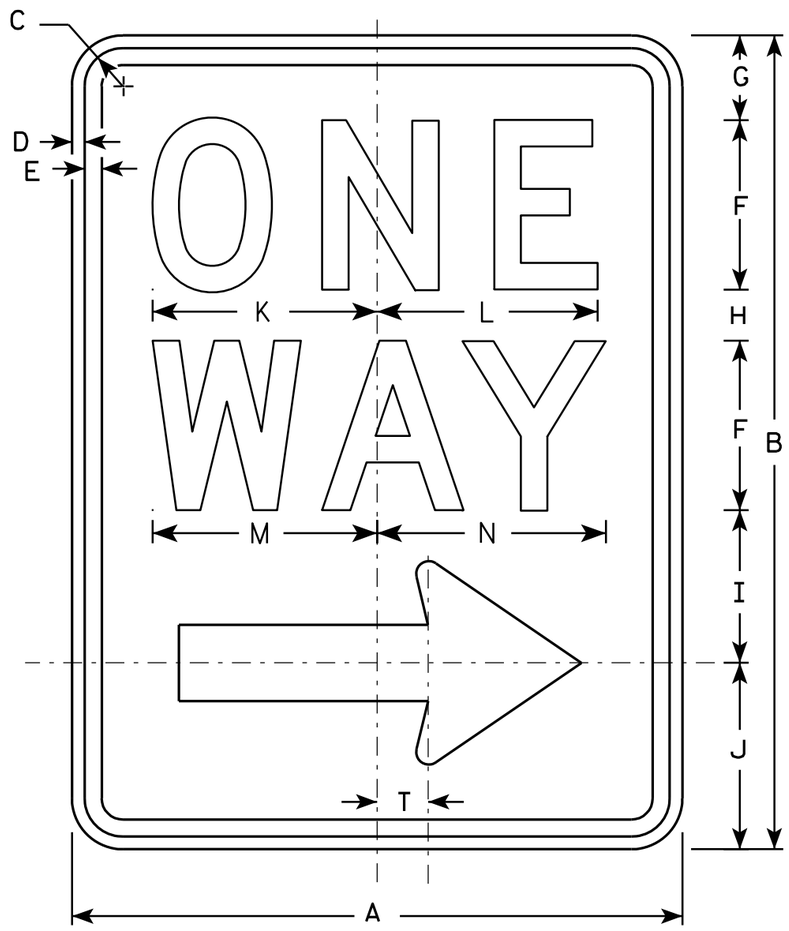
STANDARD SIGN
R5-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2A.7

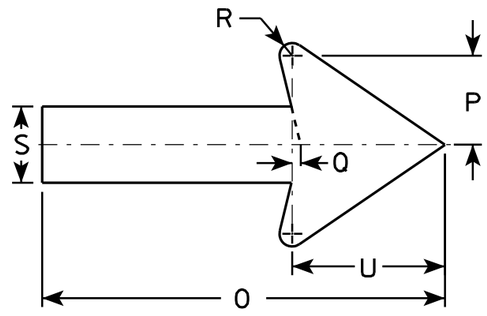
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 249	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	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
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

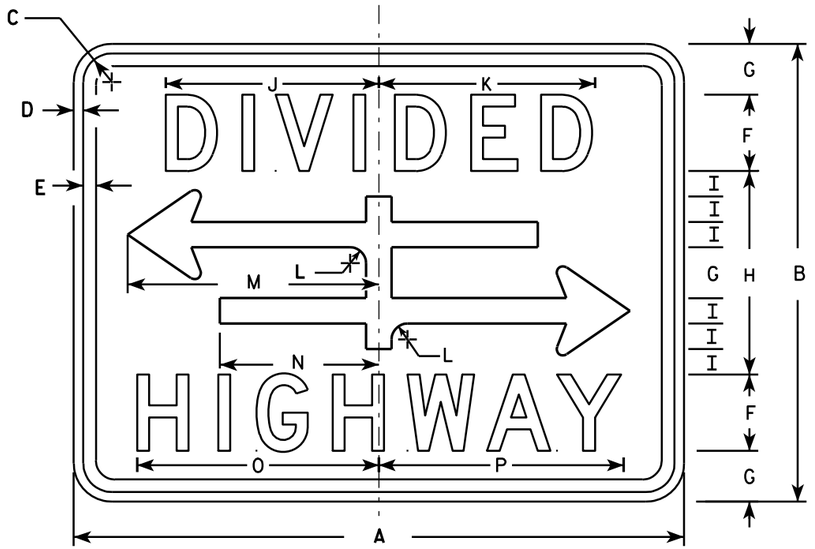
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

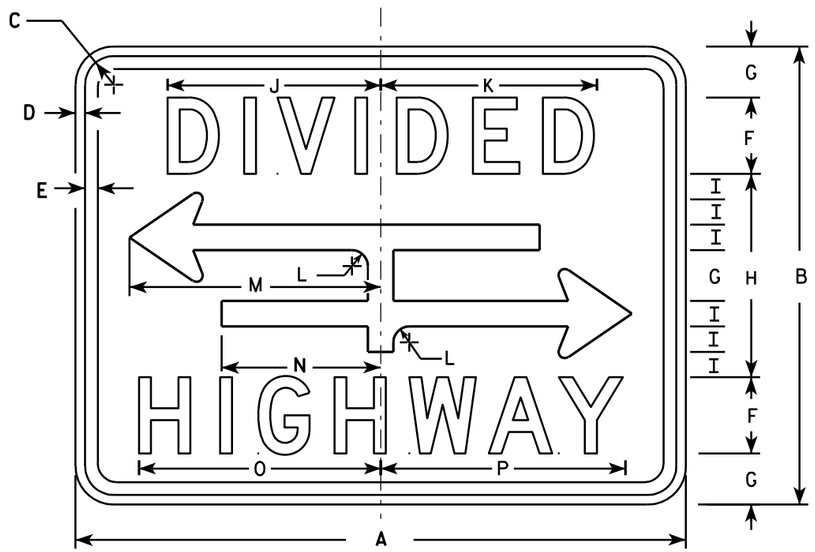
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 250	E



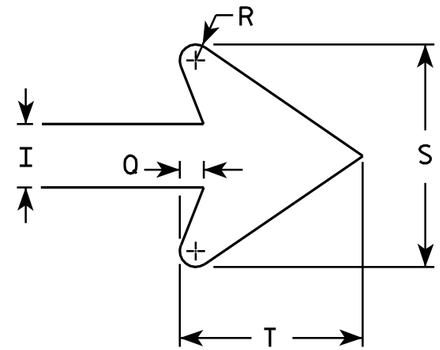
R6-3

NOTES

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



R6-3A



ARROW DETAIL

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

STANDARD SIGN
R6-3 & R6-3A

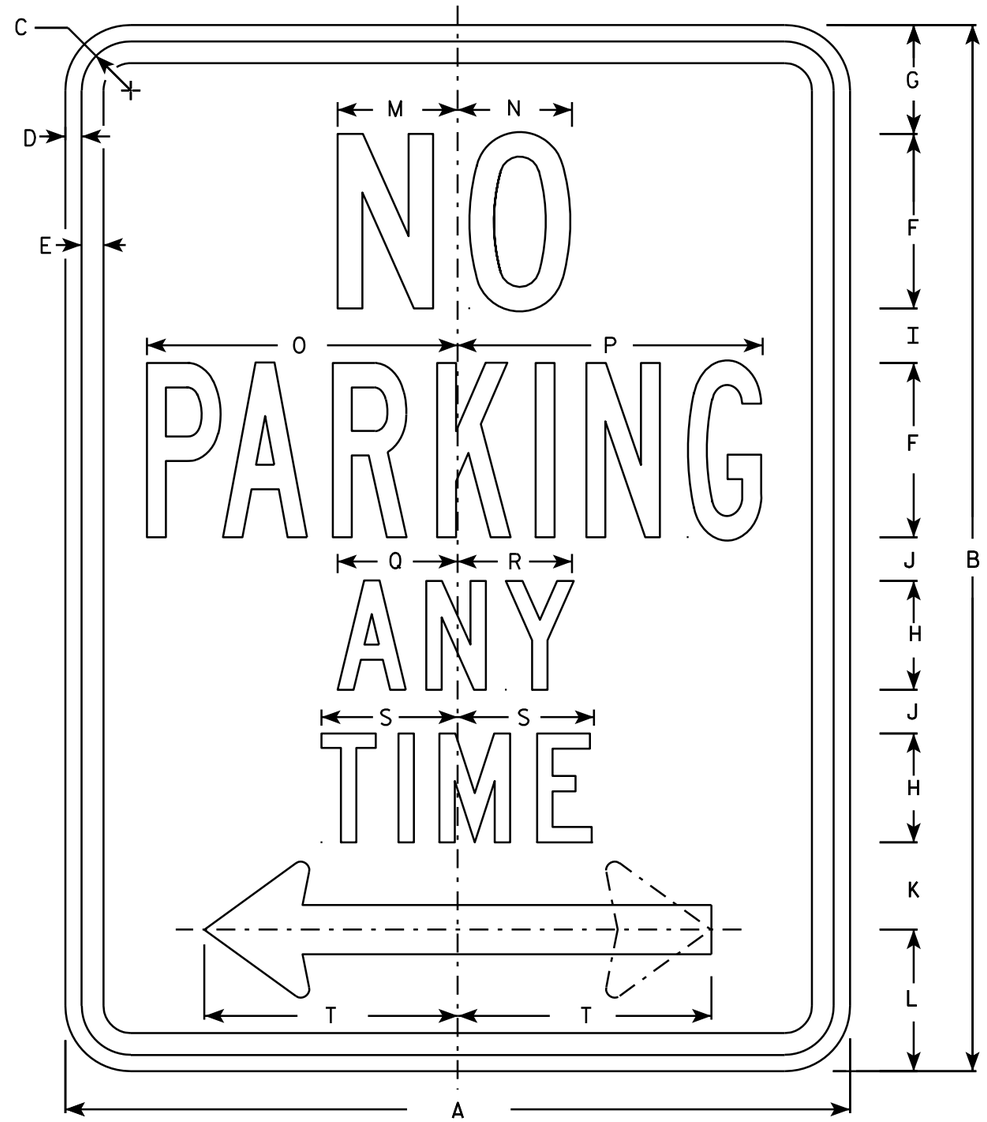
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

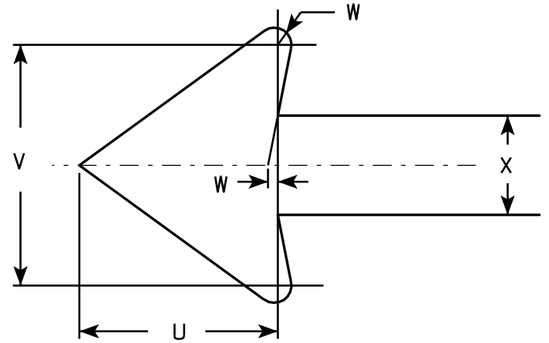
SHEET NO: 251 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 252	E

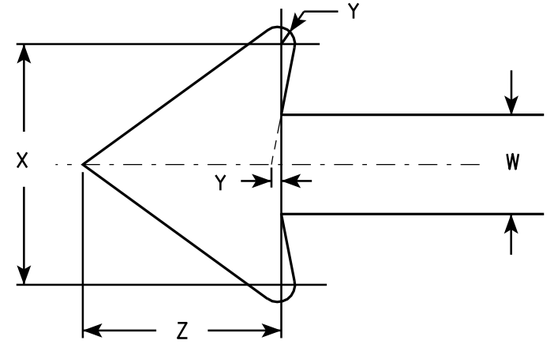
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

WISDOT/CADDS SHEET 42

R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
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. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

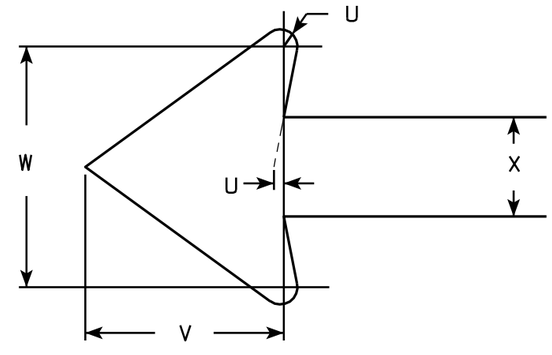
DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 253	E

R7-52

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-52D (double arrow)
   R7-52L (left arrow)
   R7-52R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	1 1/2	7/8	7/8	2	2 1/2	2	2	4 7/8	4 7/8	5 1/8	5	3 1/8	3 7/8	1/8	1 1/2	1 3/4	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	6 3/8	6 1/4	3 7/8	5 7/8	1/4	2 1/4	2 5/8	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
4																											
5																											

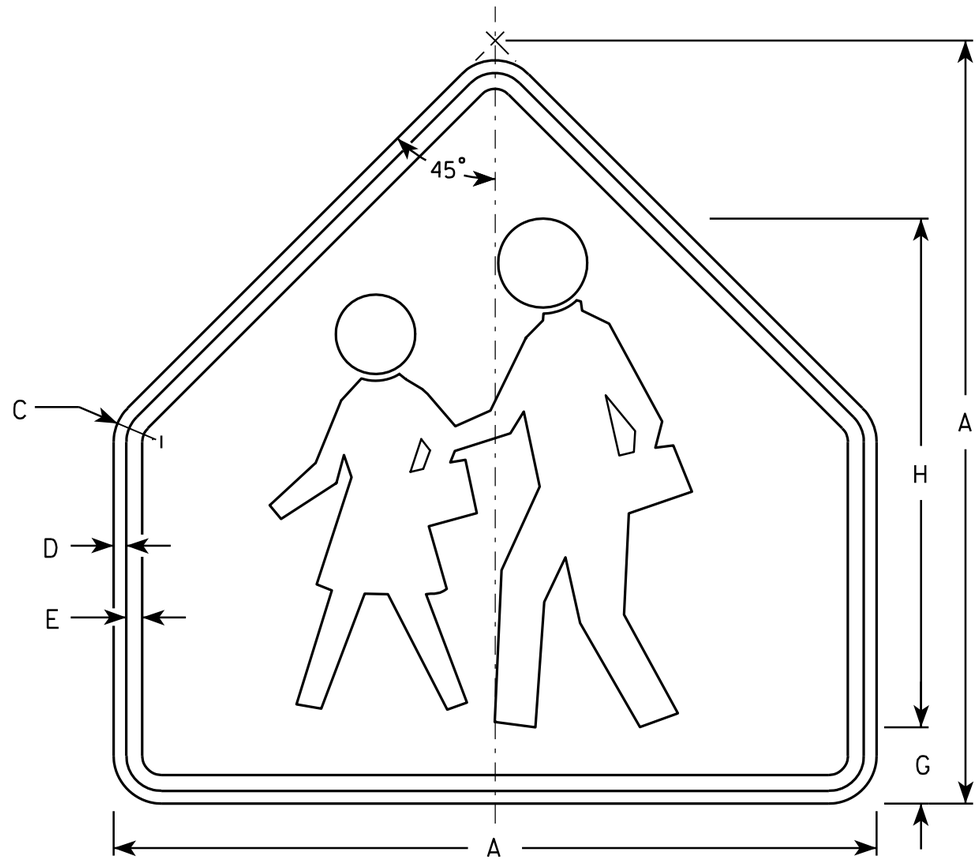
STANDARD SIGN
R7-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-52.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 254	E



S1-1

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-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

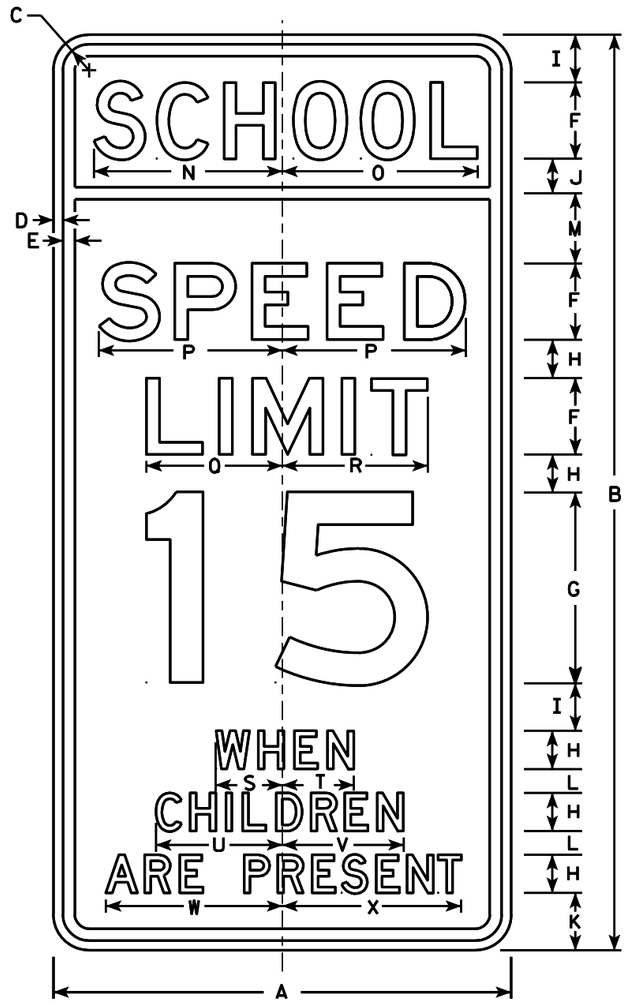
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 255	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

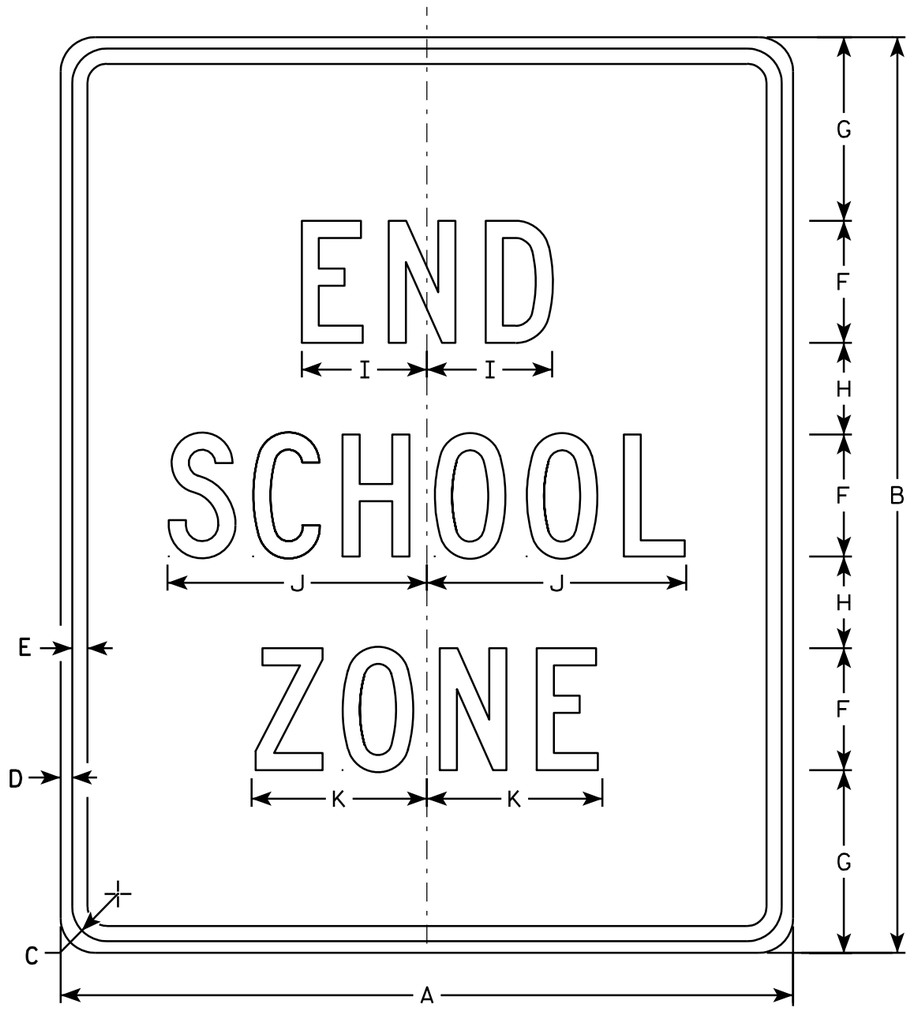
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

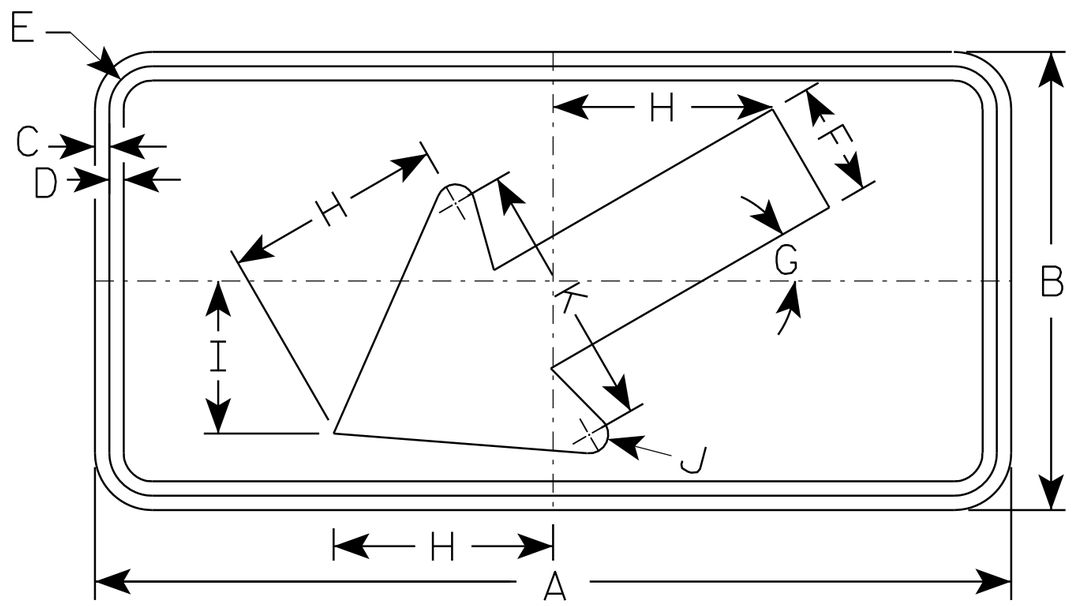
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 257 | E



S16-7L

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-Green
   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. S16-7R are the same as S16-7L 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	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

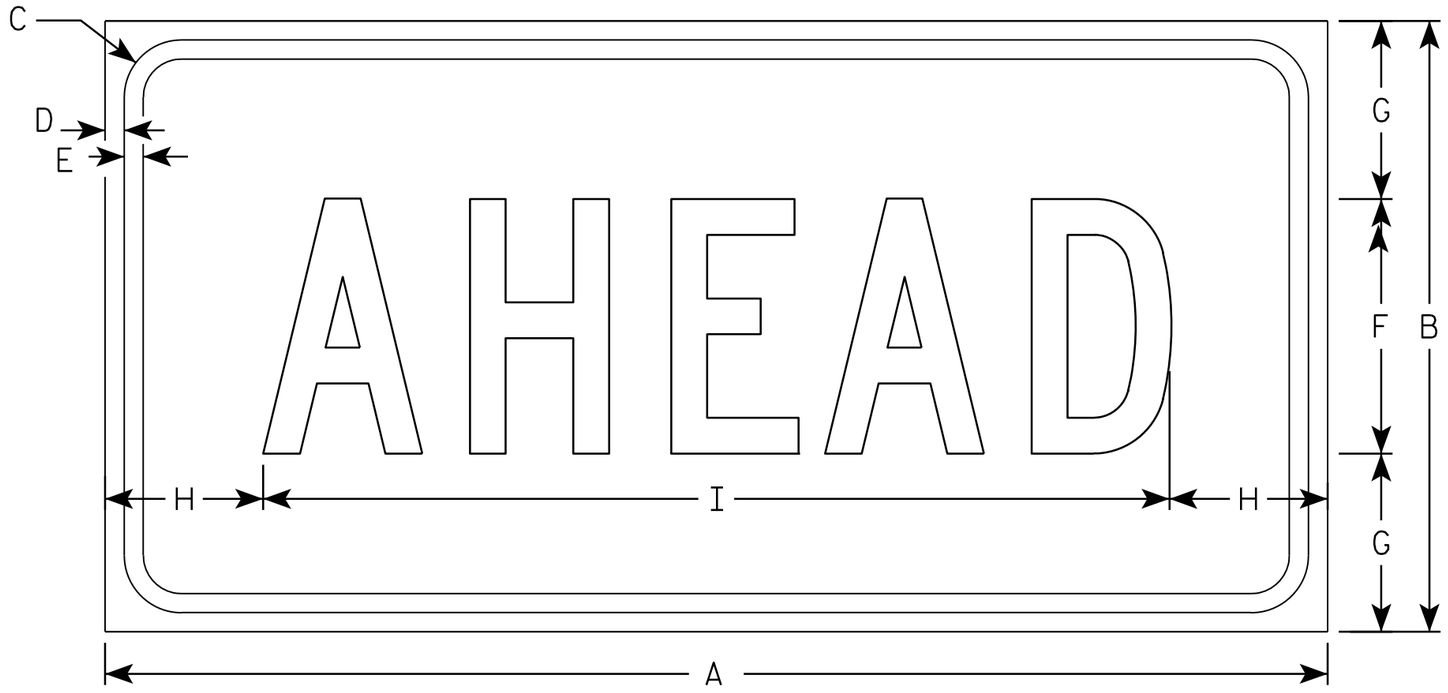
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 258 | E



S16-9P

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-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

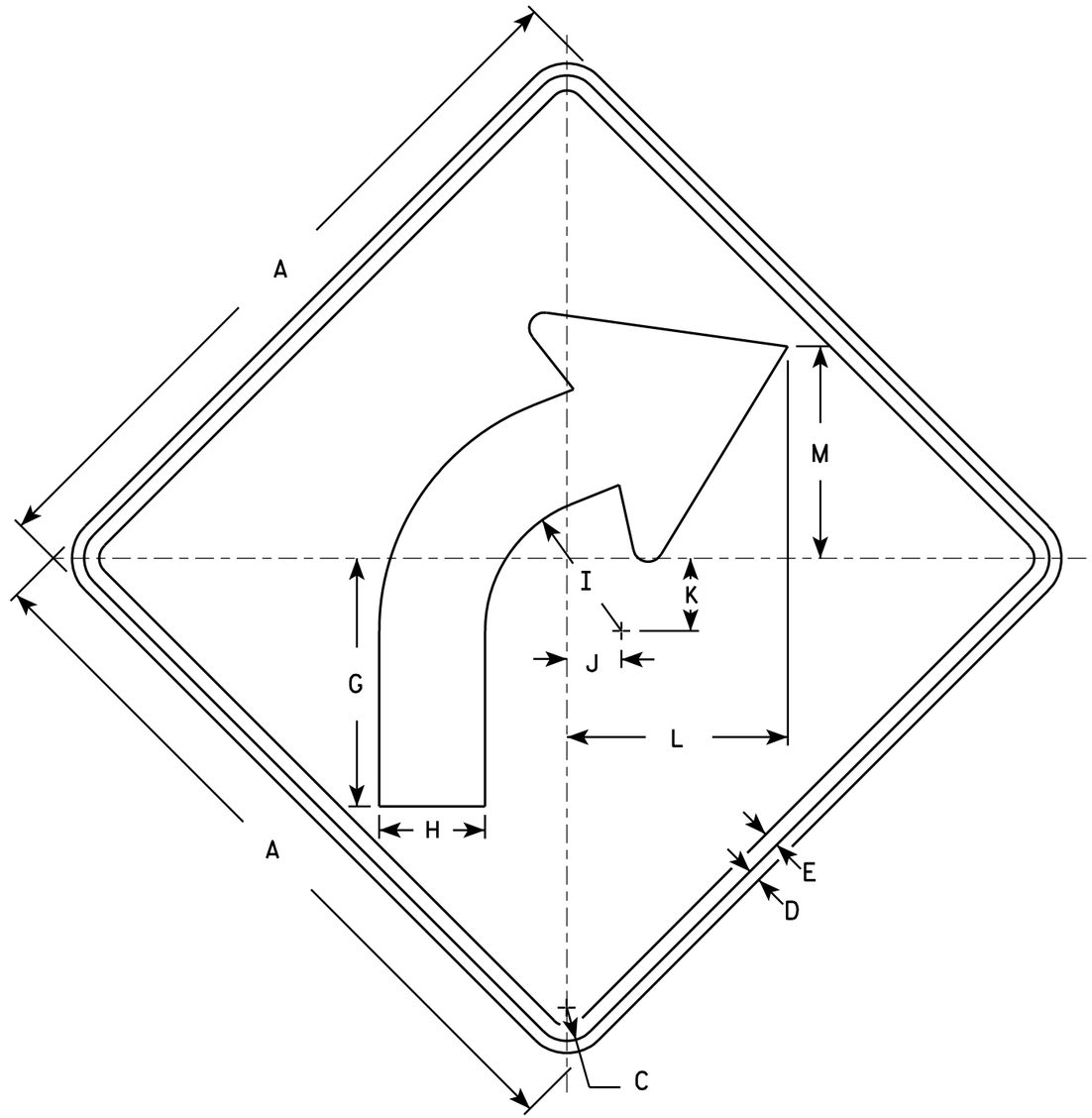
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

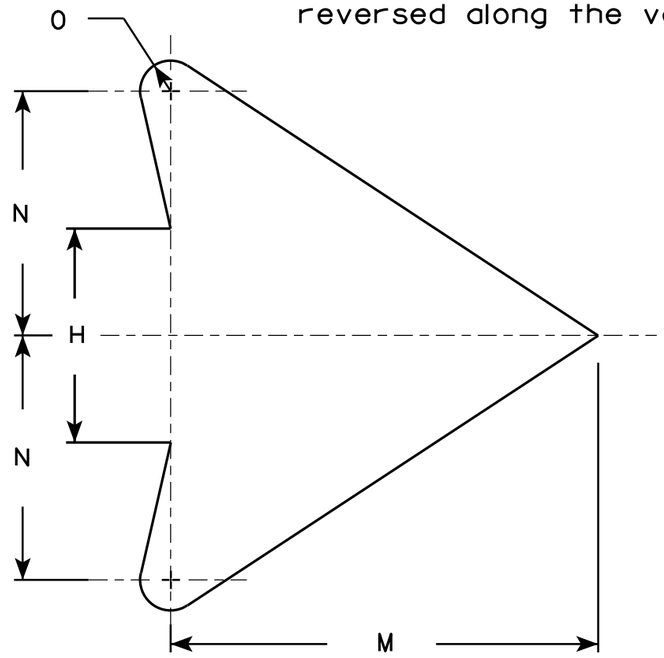
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 259 | E

NOTES

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



W1-2R



ARROW DETAIL

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

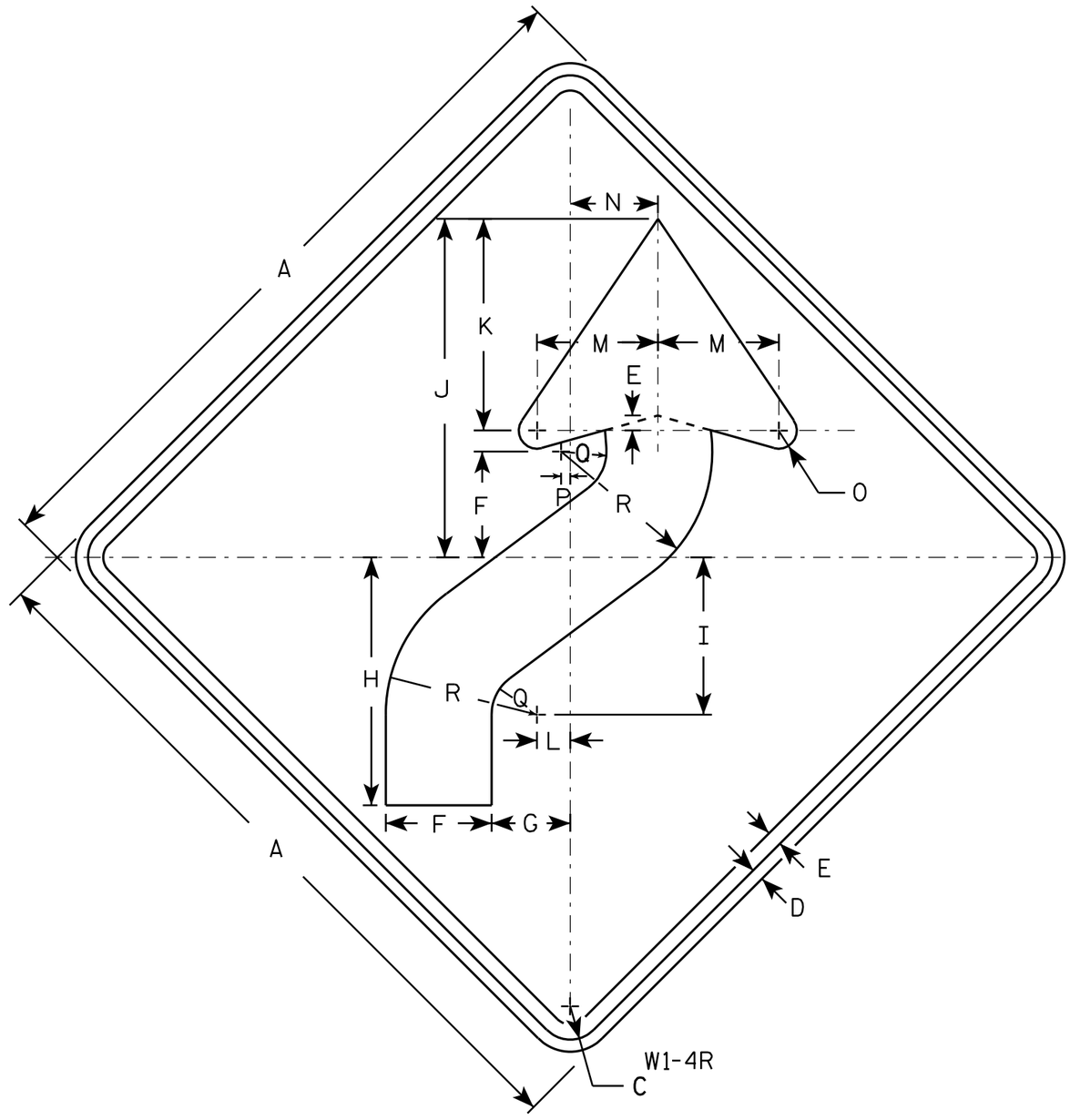
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	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

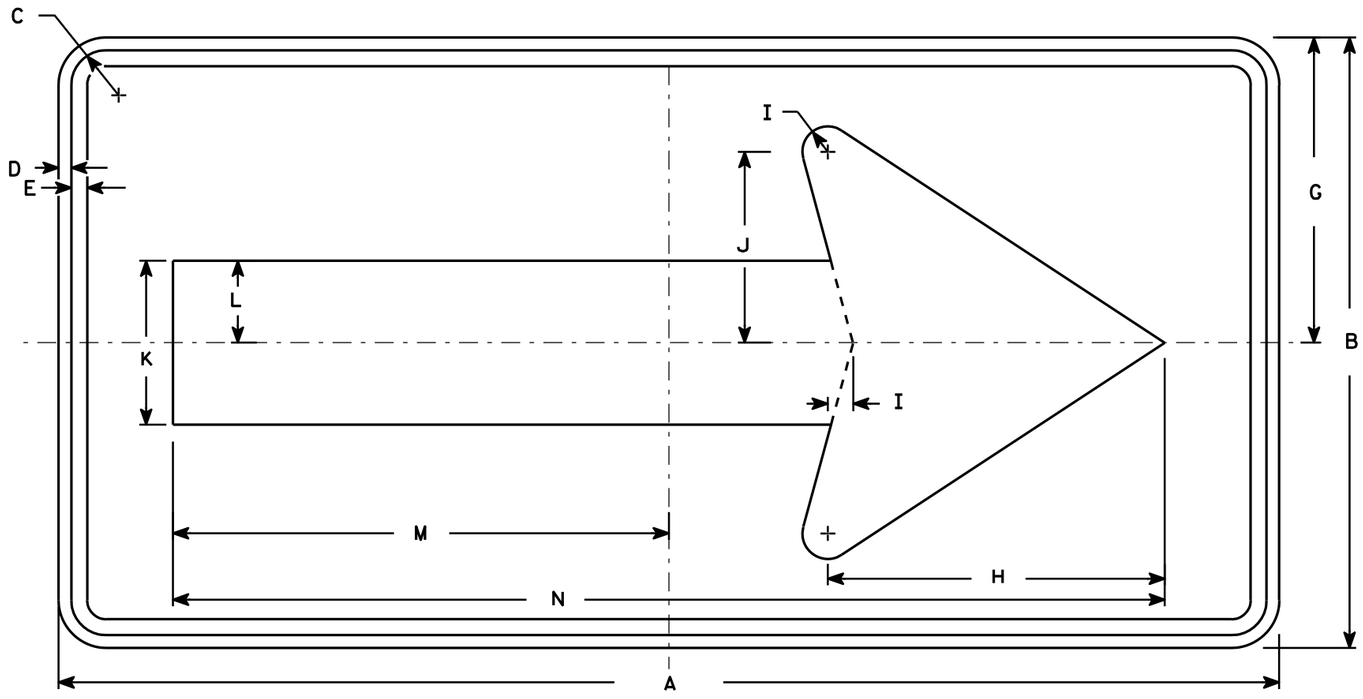
W1-4

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: 261 | E



W1-6

NOTES

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

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

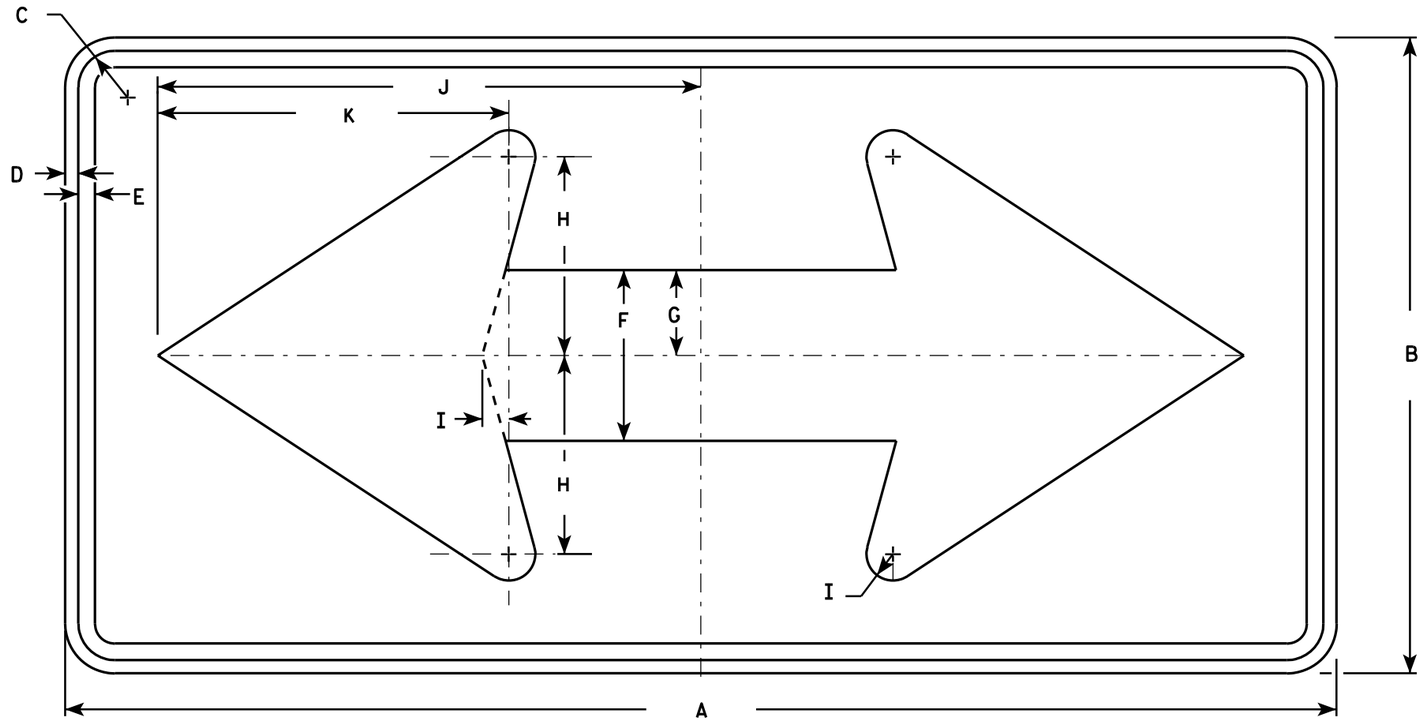
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 262



W1-7

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	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

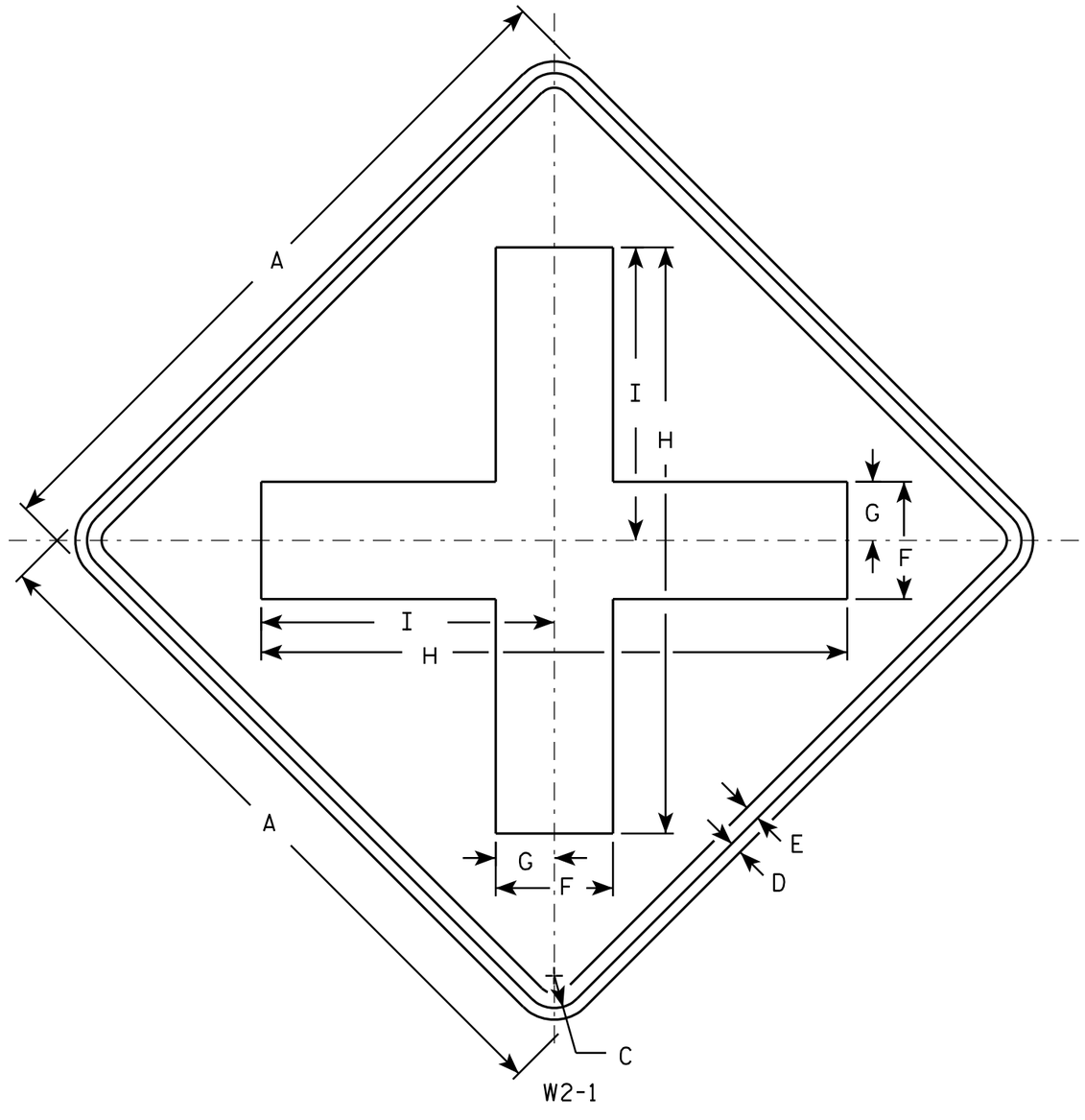
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 263 | 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.

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

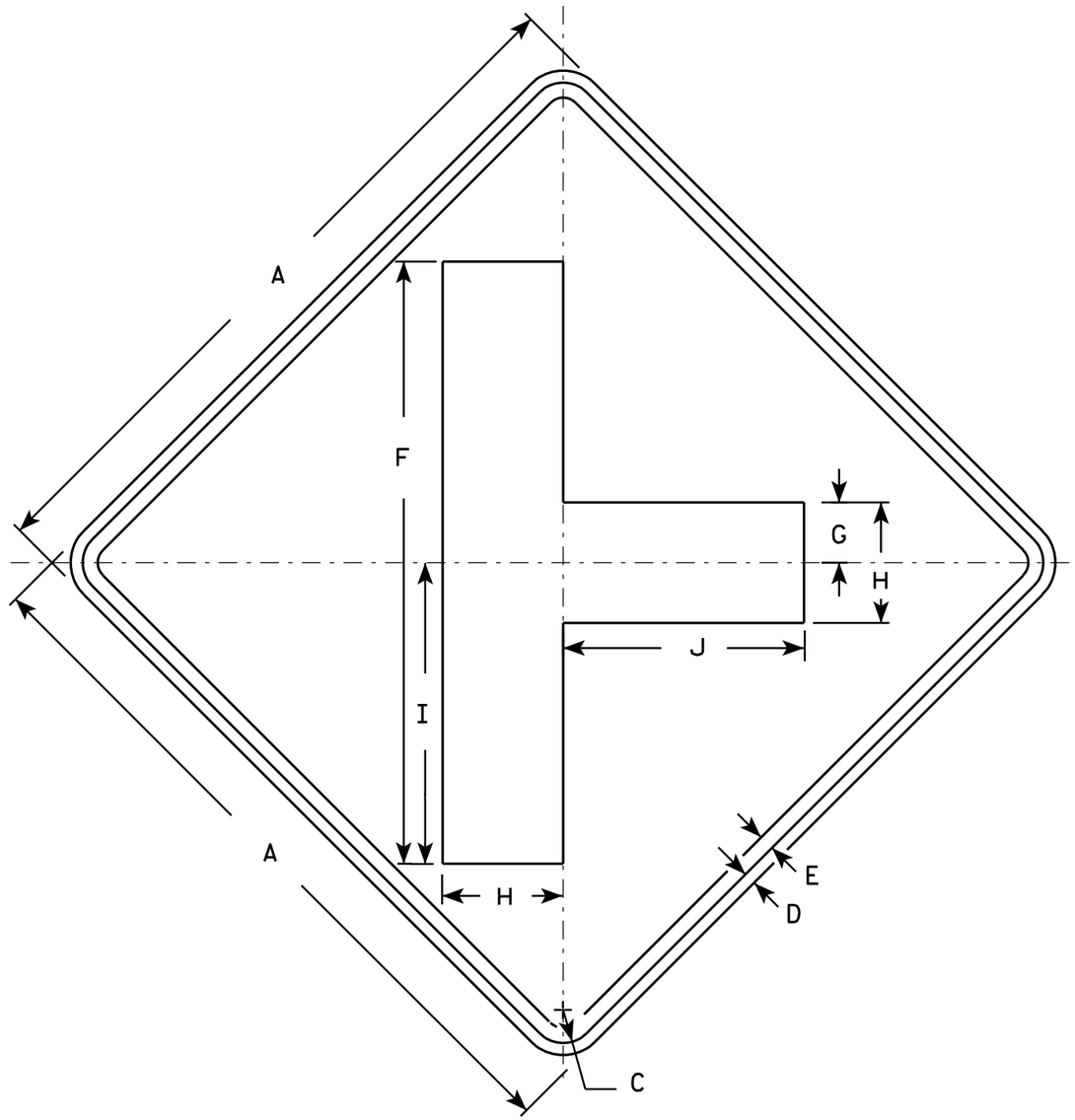
STANDARD SIGN
W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | E



W2-2

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	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

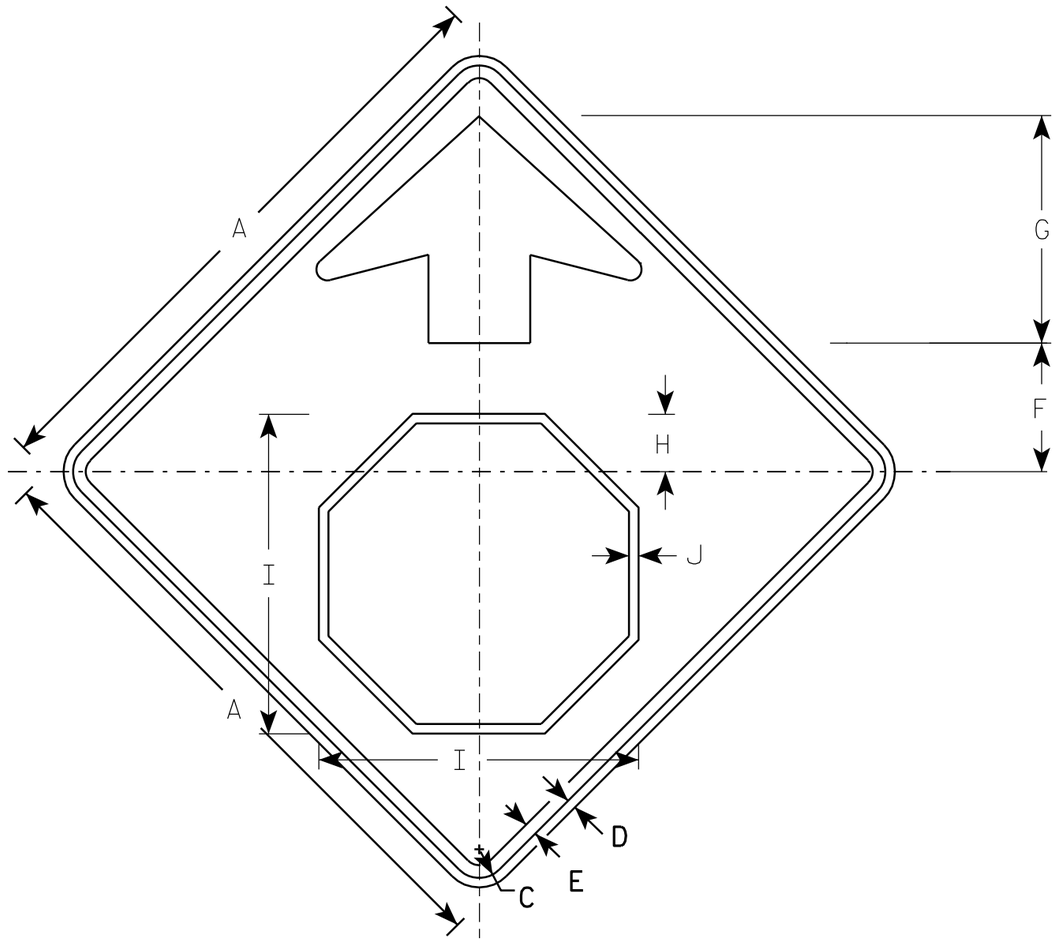
STANDARD SIGN
W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

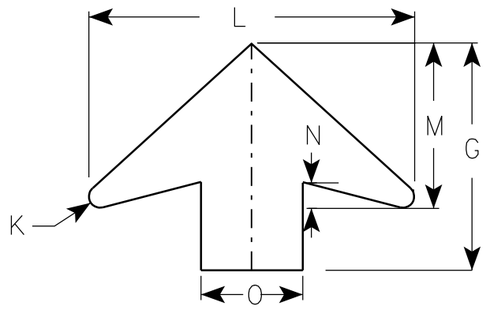
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 265	E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

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

STANDARD SIGN
W3-1

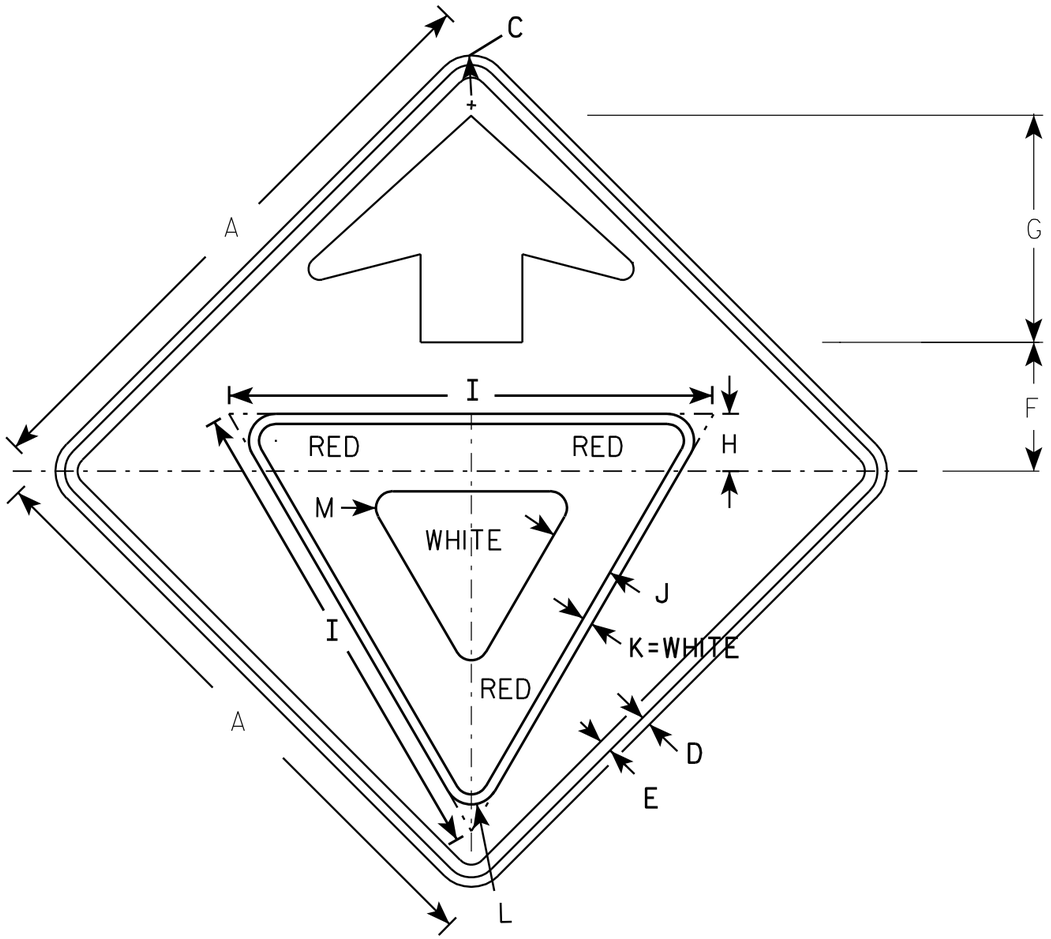
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

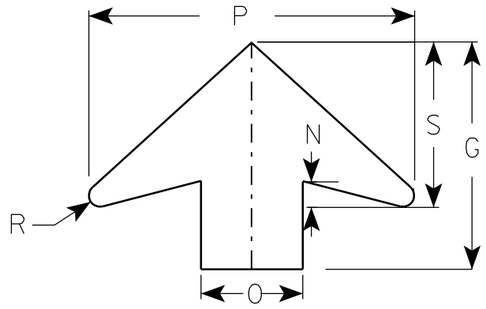
SHEET NO: 266 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

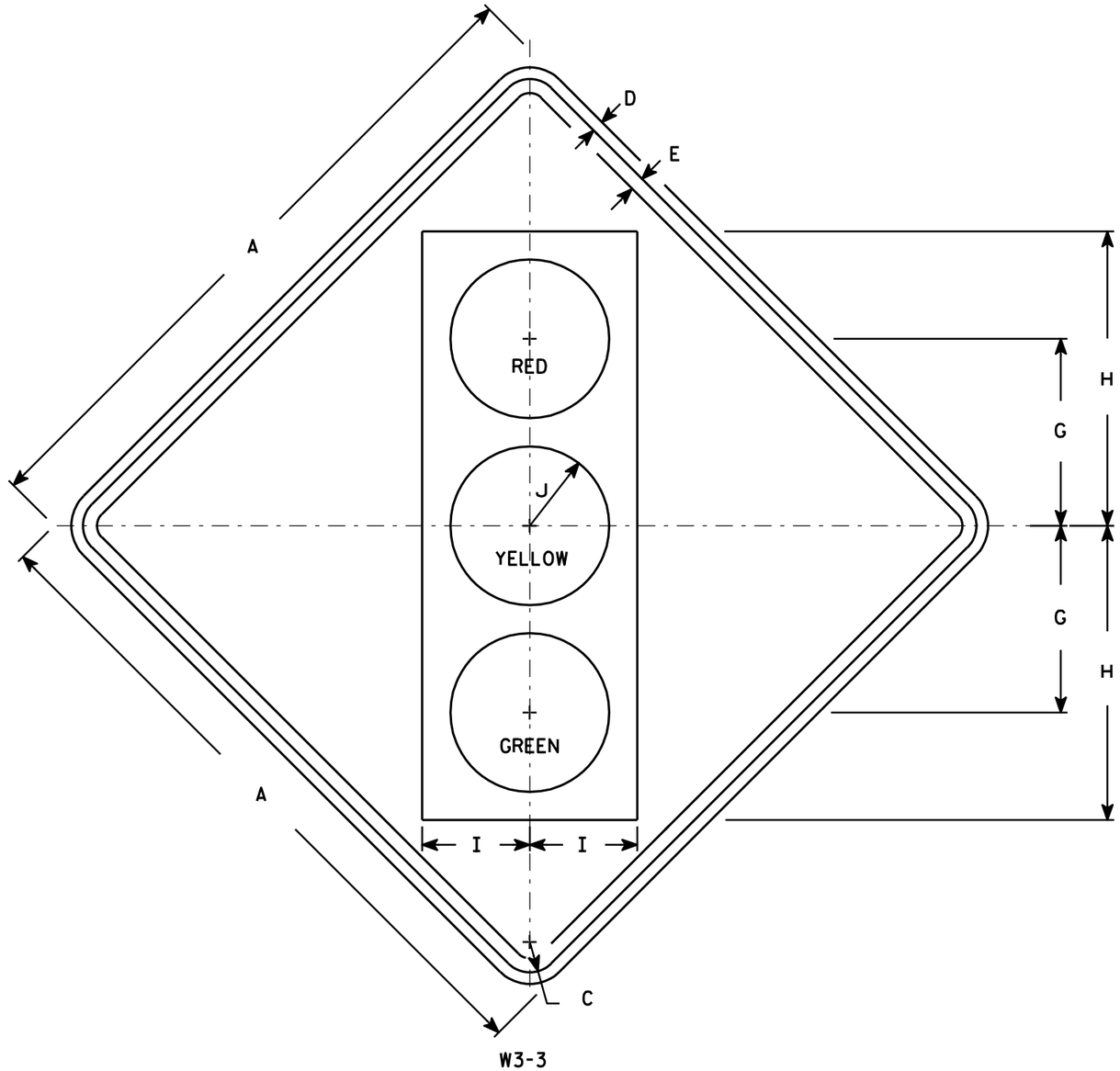
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

SHEET NO: 267 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 - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

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

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

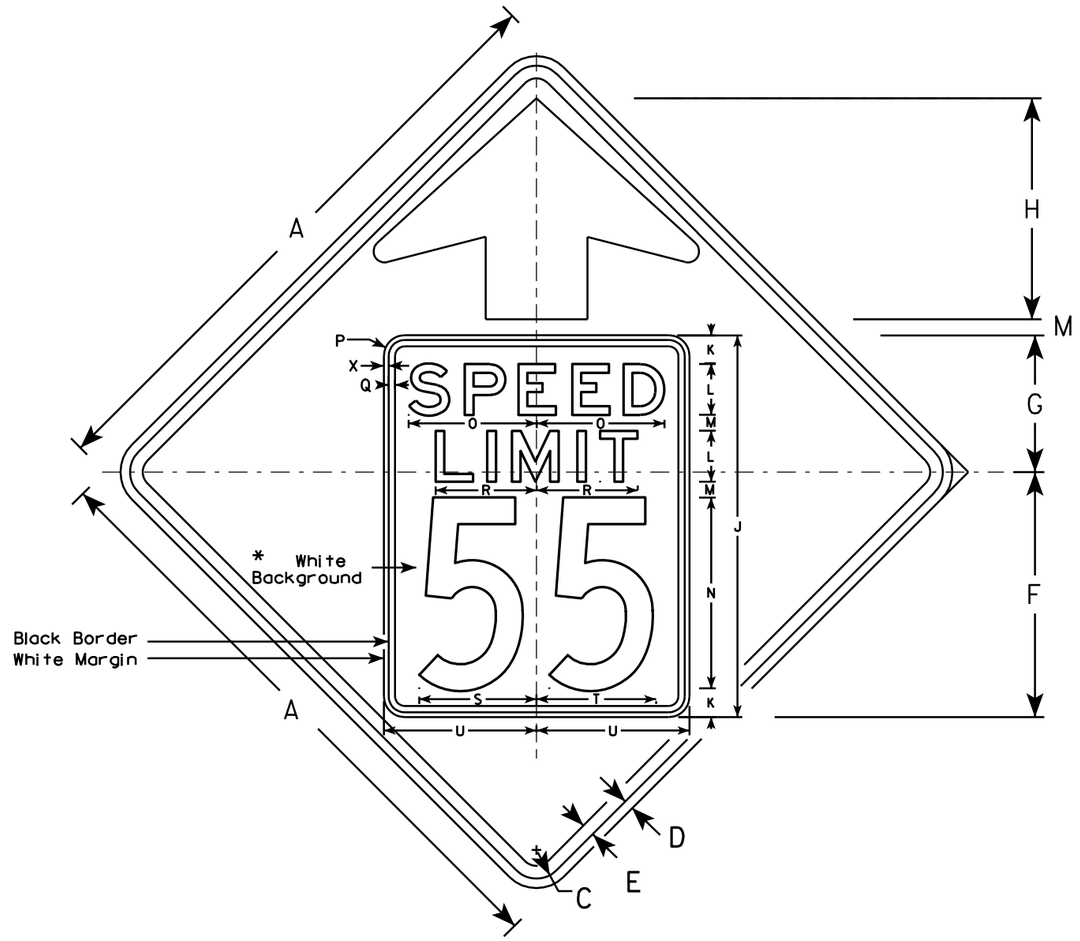
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

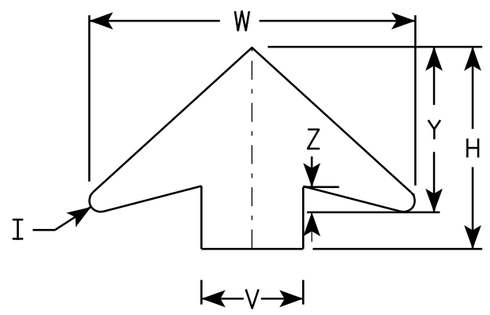


W3-5

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 - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN
W3-5

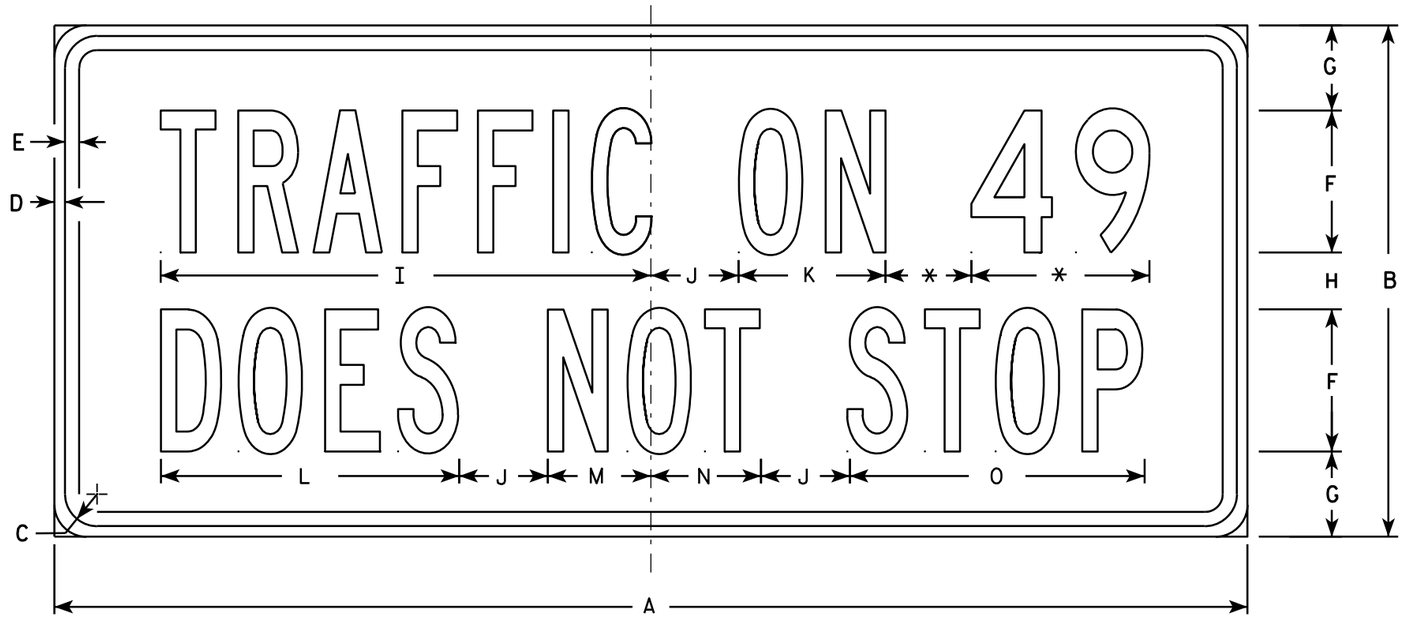
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 269 E



W4-4C

* VARIES

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 - B (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. Highway Number usually Series D. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	3 1/8	6 1/4	2 1/4	2 1/4	6 1/4												2.0
2M	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	3 1/8	6 1/4	2 1/4	2 1/4	6 1/4												2.0
3	36	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	4 1/4	8 3/8	3 1/8	3 1/8	8 3/8												3.75
4	42	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	5 1/8	10 1/2	3 7/8	3 7/8	10 3/8												5.25
5																											

STANDARD SIGN
W4-4C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 270	E

W4-4P

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
2M	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
3	36	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	10 3/4	2 3/8	3/8	13 1/2	8 3/8	3	3 1/8	8 3/8											3.75
4	42	18	1 1/8	3/8	1/2	5	3	2	13 3/8	3 1/8	3/8	16 7/8	10 1/2	3 5/8	3 7/8	10 3/8											5.25
5																											

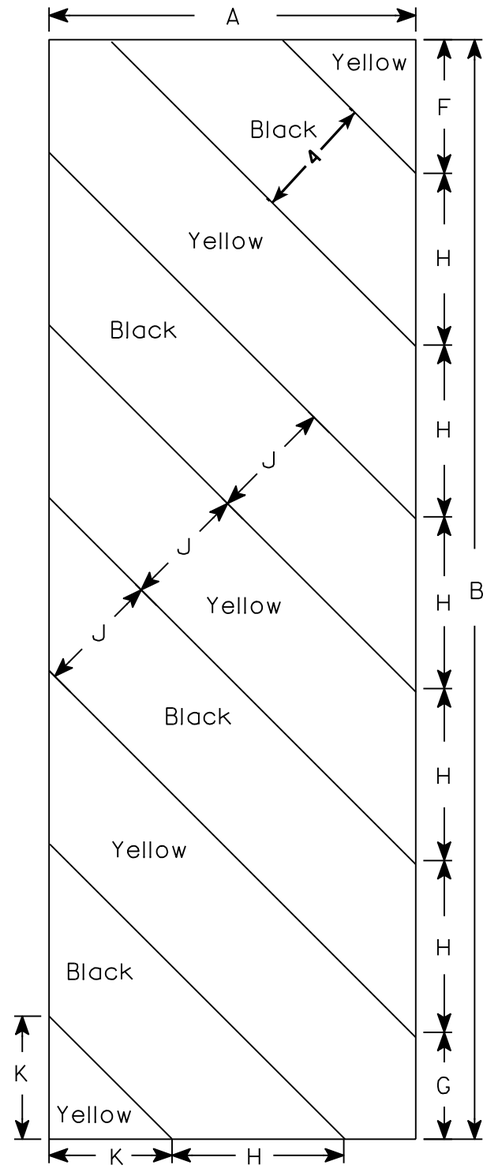
STANDARD SIGN
W4-4P

WISCONSIN DEPT OF TRANSPORTATION

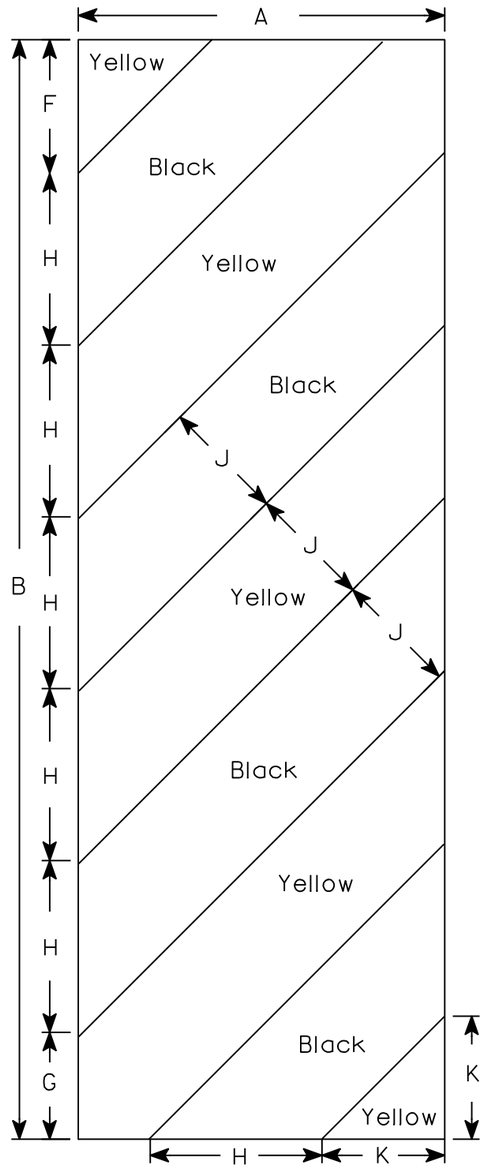
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | 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

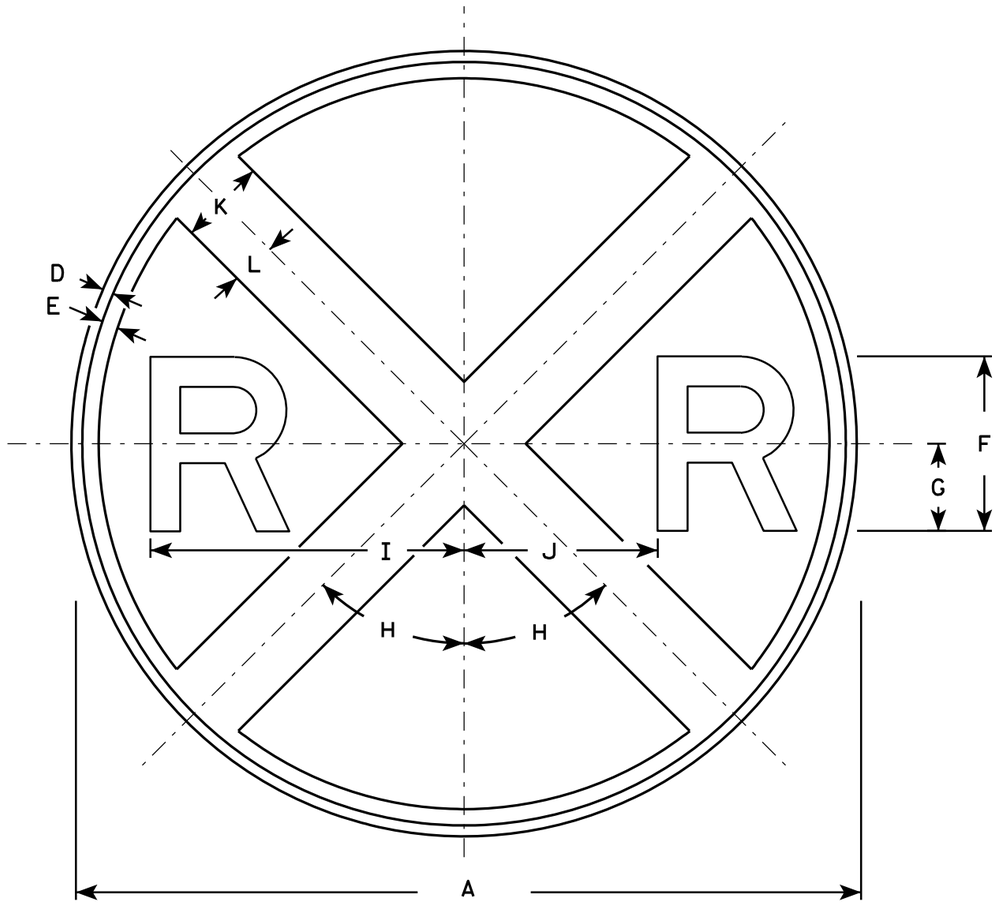
W5-52L & W5-52R

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: 272 | E



W10-1

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 - 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	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

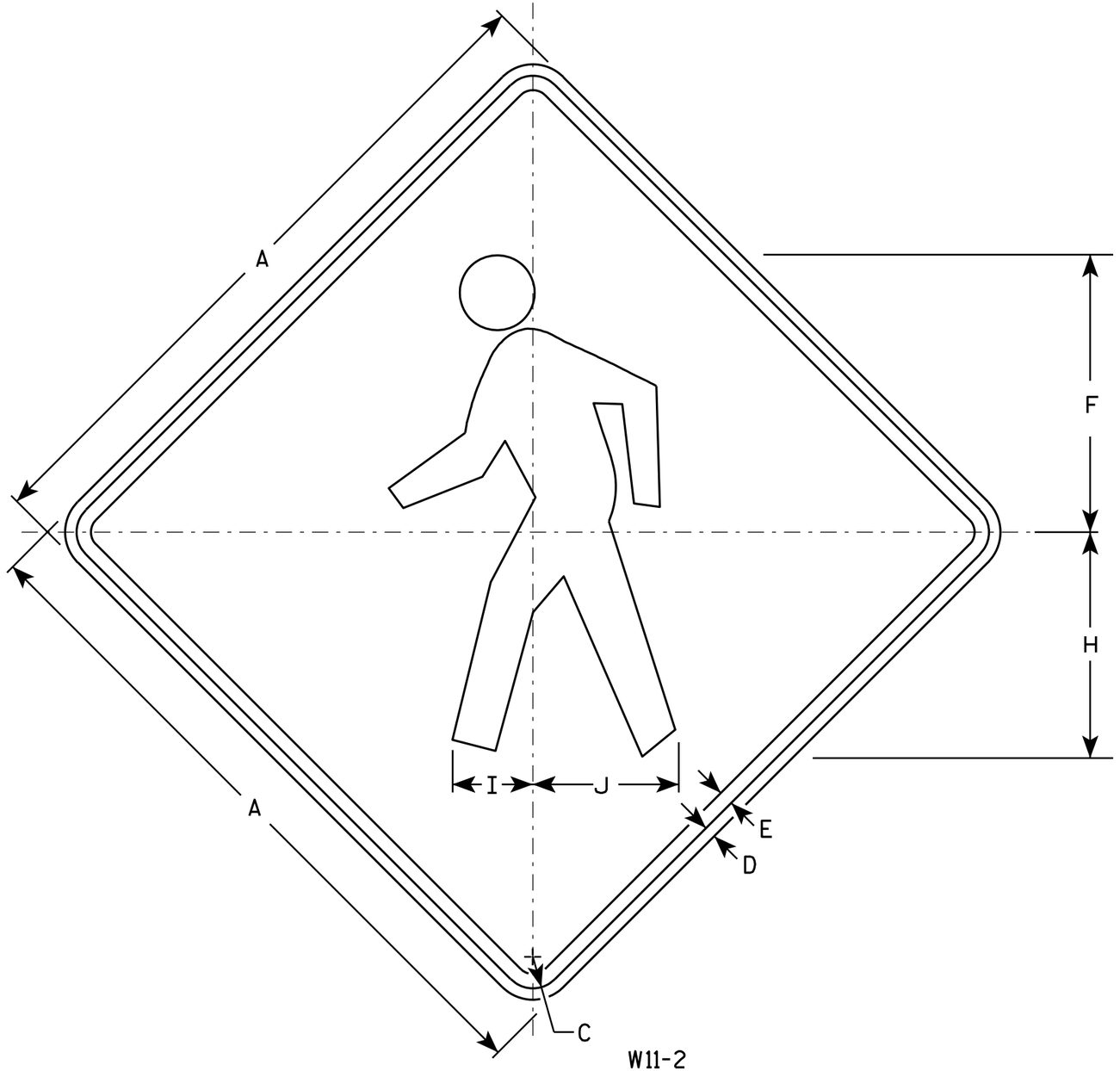
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E



W11-2

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	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

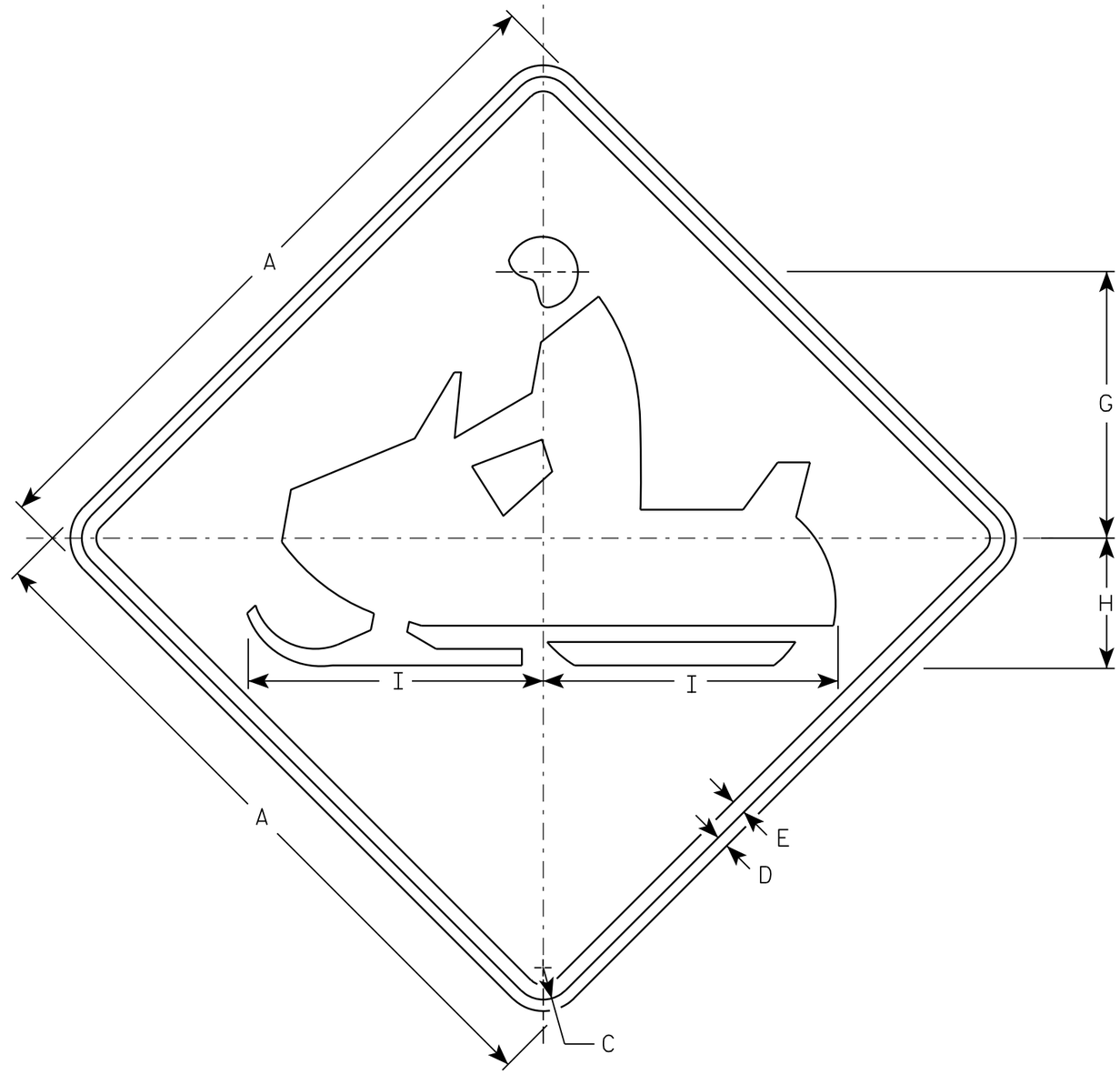
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E



W11-6

NOTES

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

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		9 1/2	4 1/2	10 1/4																		4.0
2S	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
2M	30		1 3/8	1/2	5/8		11 1/2	5 5/8	12 3/4																		6.25
3	36		1 5/8	5/8	3/4		14 1/8	6 3/4	15 1/4																		9.0
4	48		2 1/4	3/4	1		19	9	20 1/2																		16.0
5																											

STANDARD SIGN
W11-6

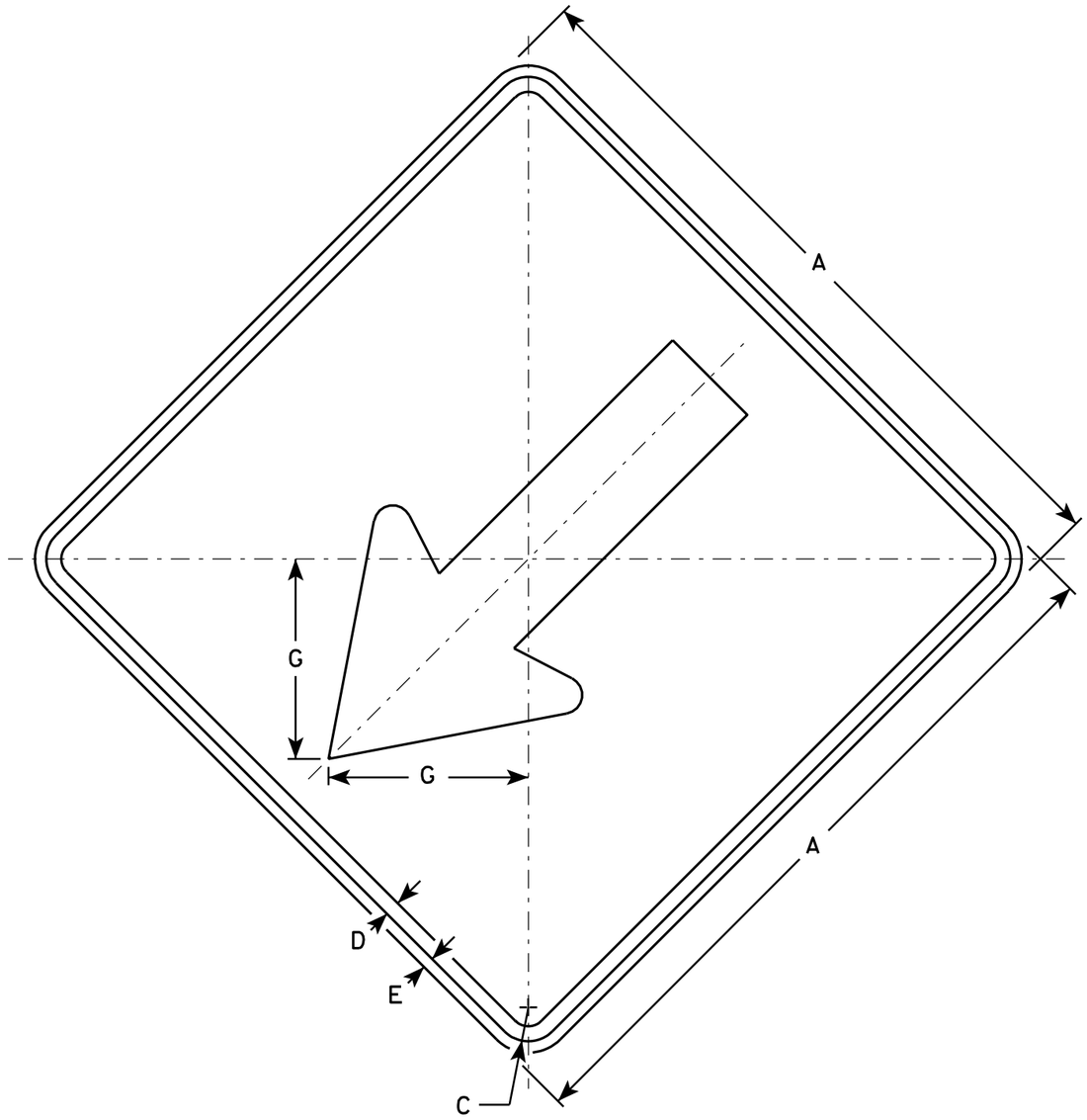
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 275 | E

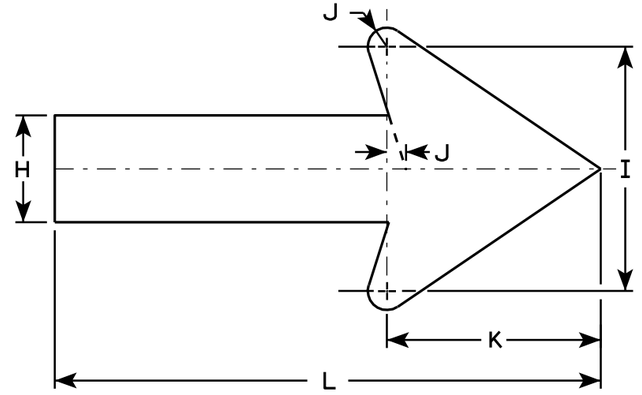
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W116.DGN PLOT DATE : 13-MAR-2013 12:57 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.954276:1.000000
WISDOT/CADDS SHEET 42



W12-1

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2M	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
3	30		1 3/8	5/8	1/2		8 1/4	4 3/8	10	3/4	8 3/4	22 3/8															6.25
4	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0
5	48		2 1/4	3/4	1		12 1/2	6 5/8	15	1 1/4	13 1/4	33 1/2															16

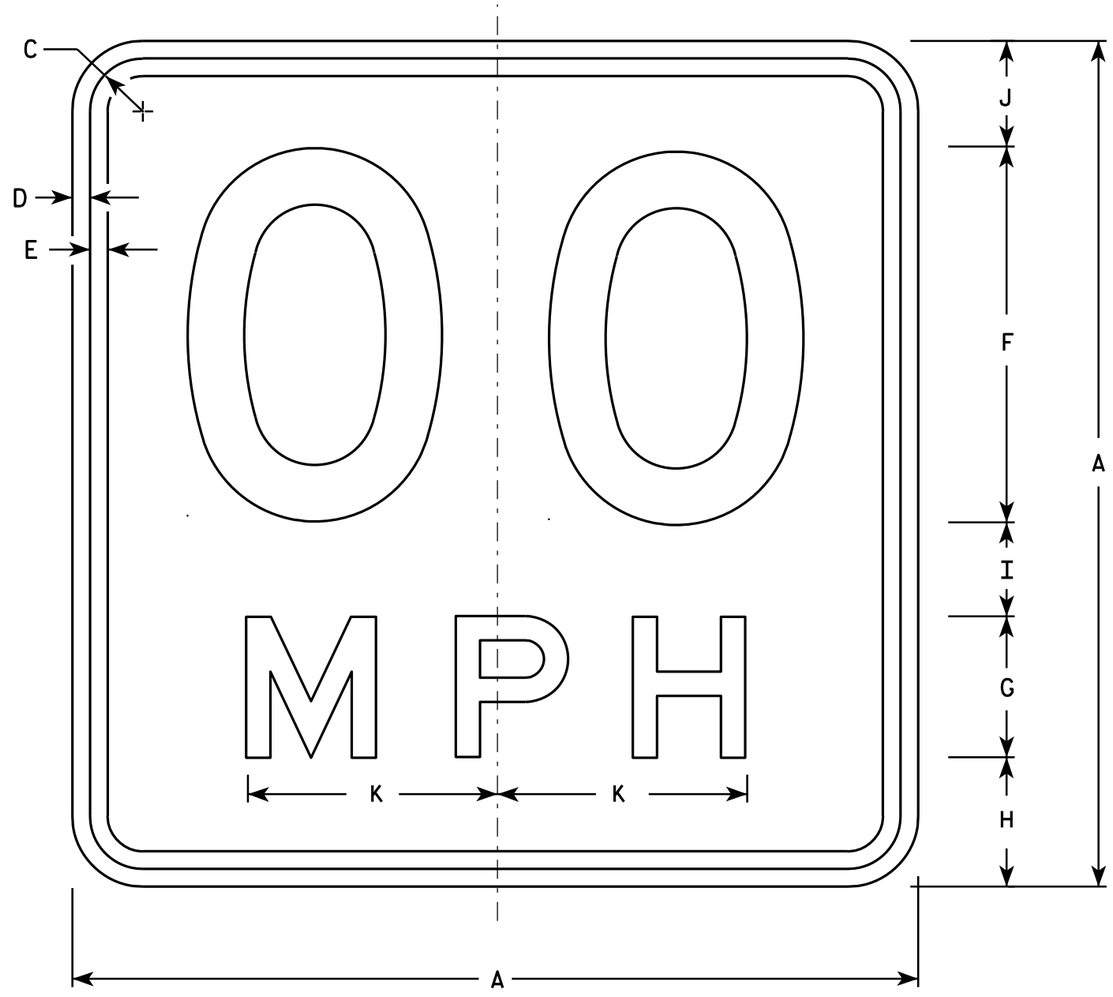
STANDARD SIGN
W12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 276 | 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

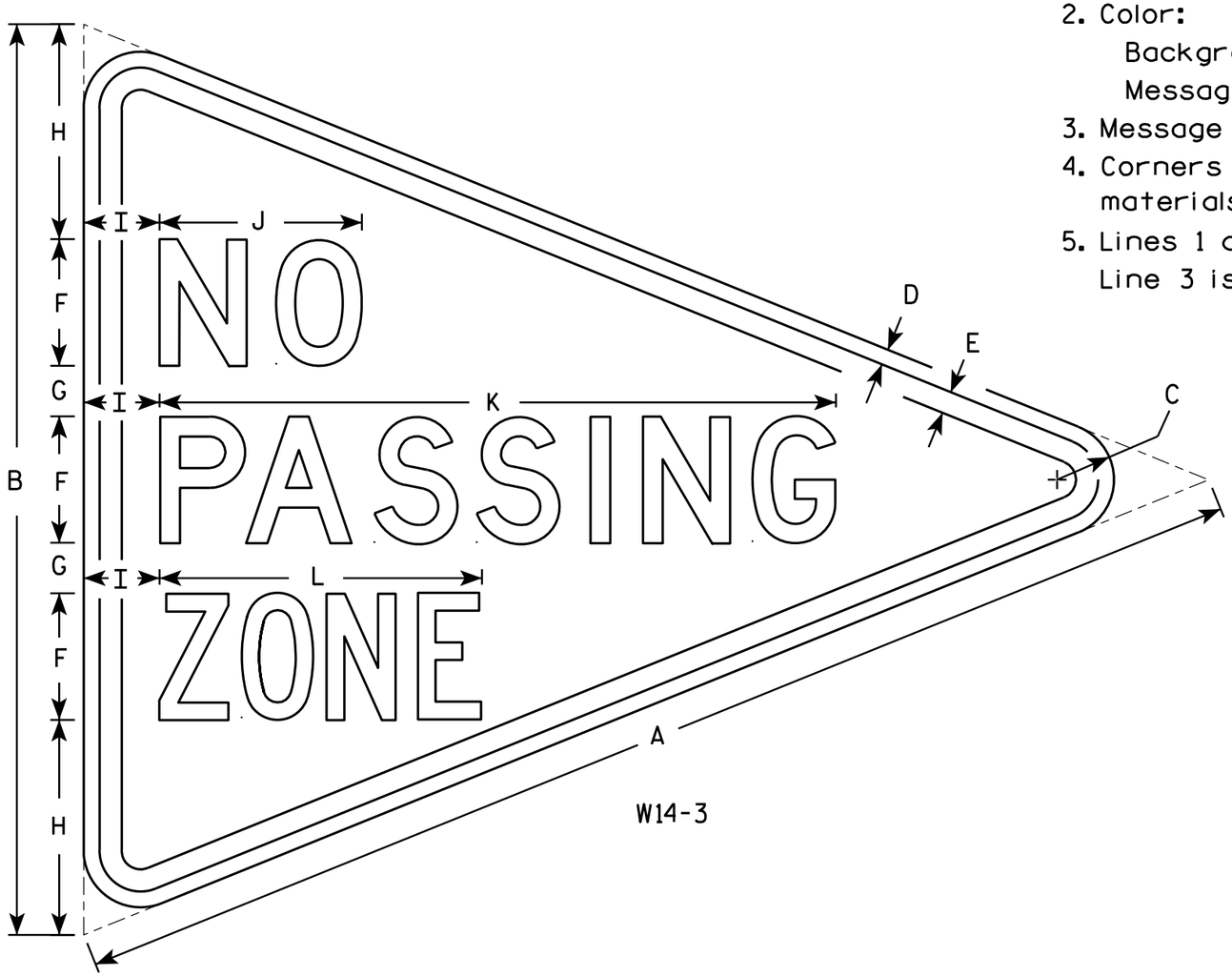
APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 277 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

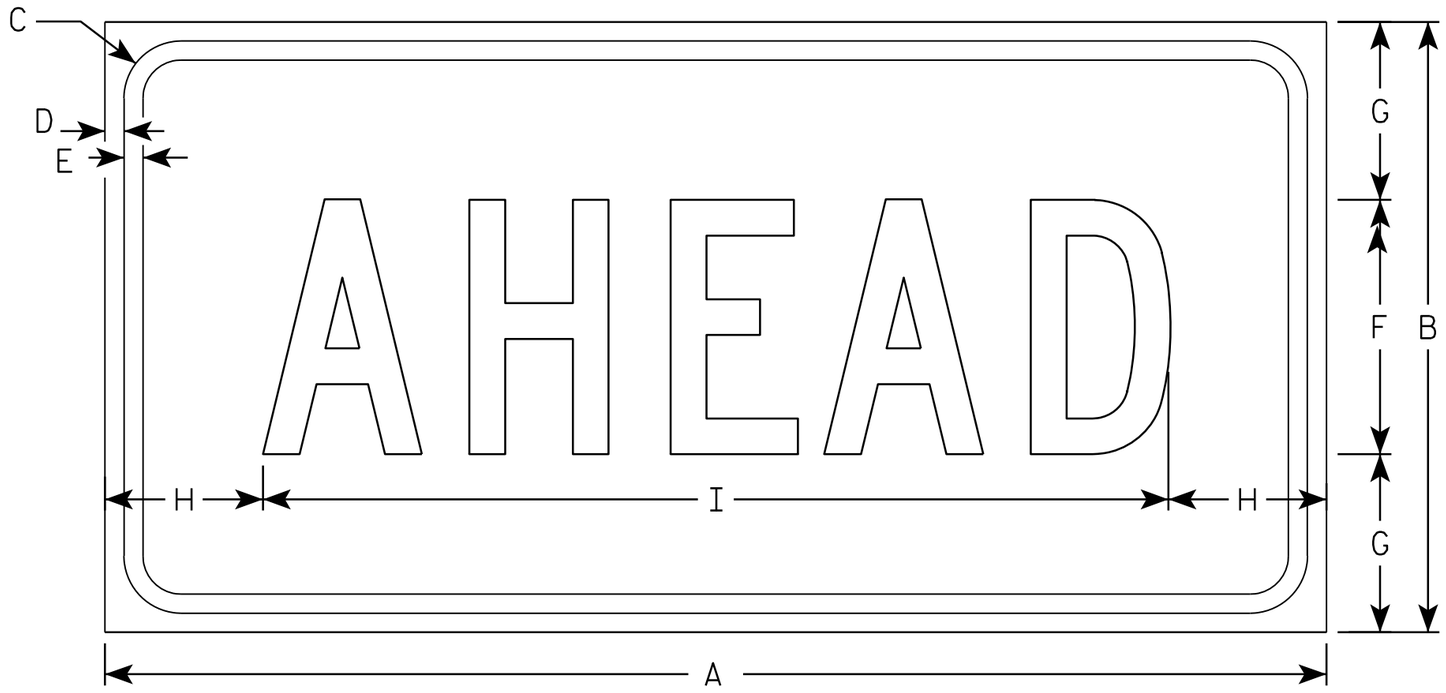
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 278	E



W16-9P

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 - 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																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

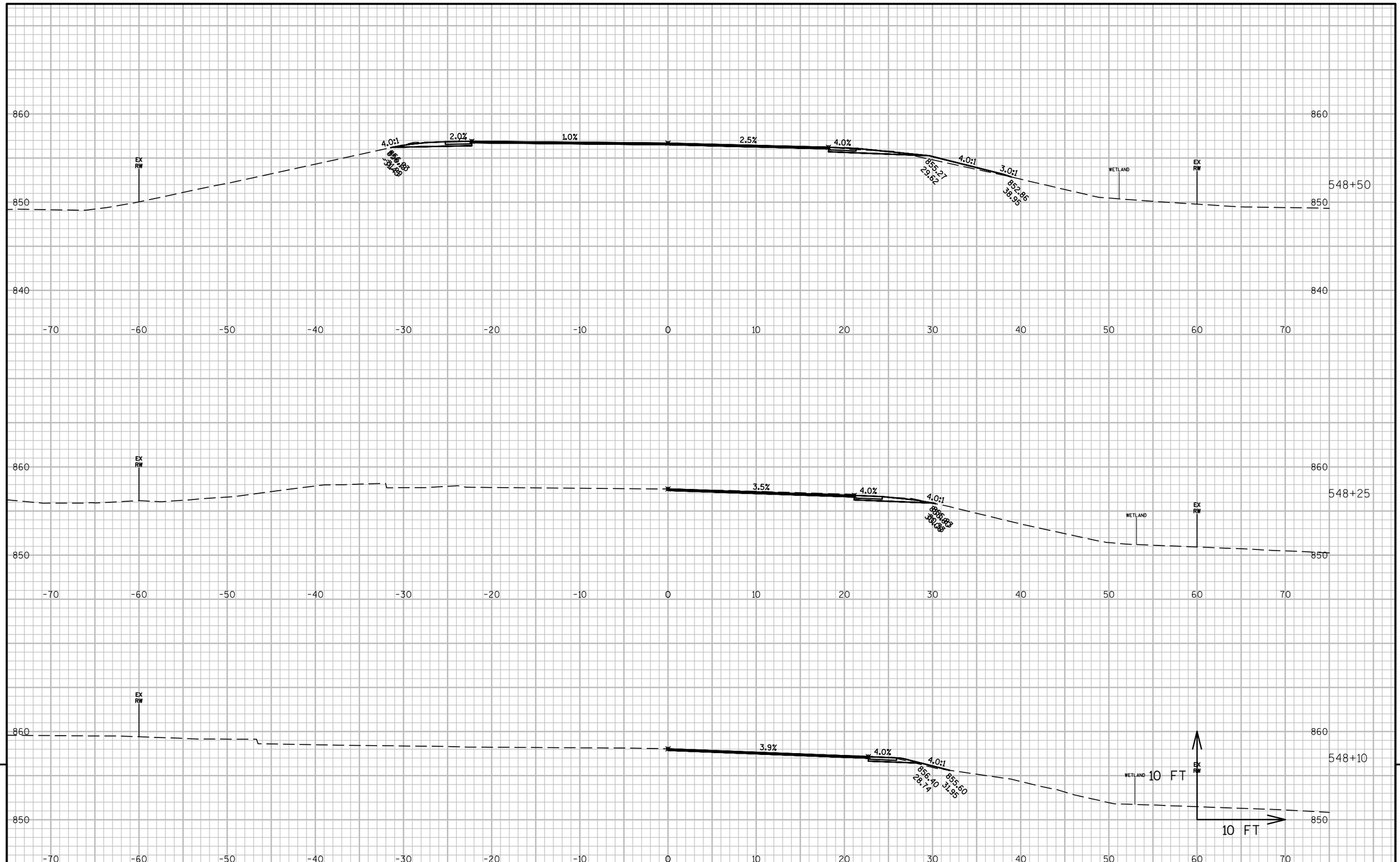
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



9

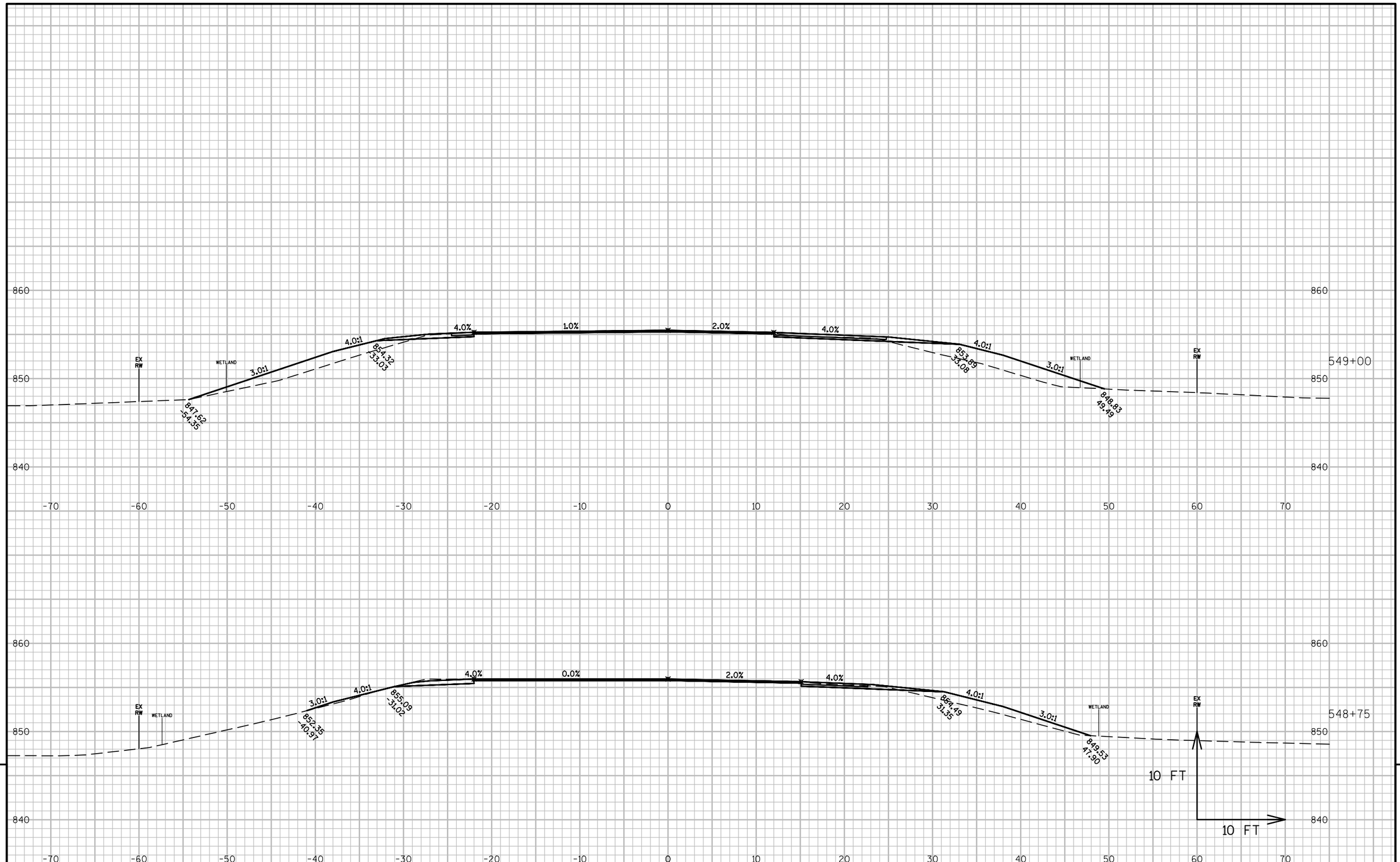
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 280	E

9

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (1)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

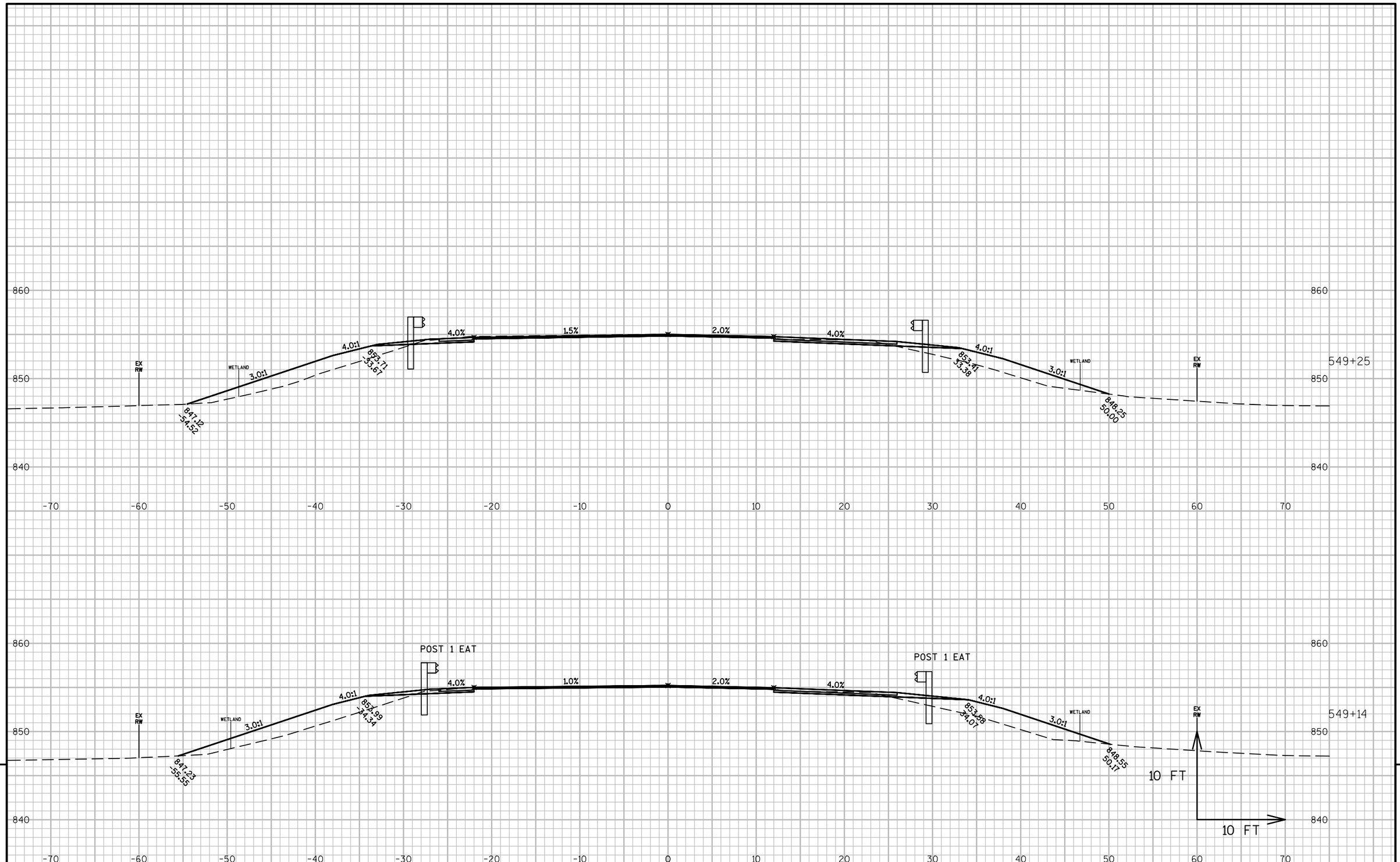
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 281	E

9

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (2)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

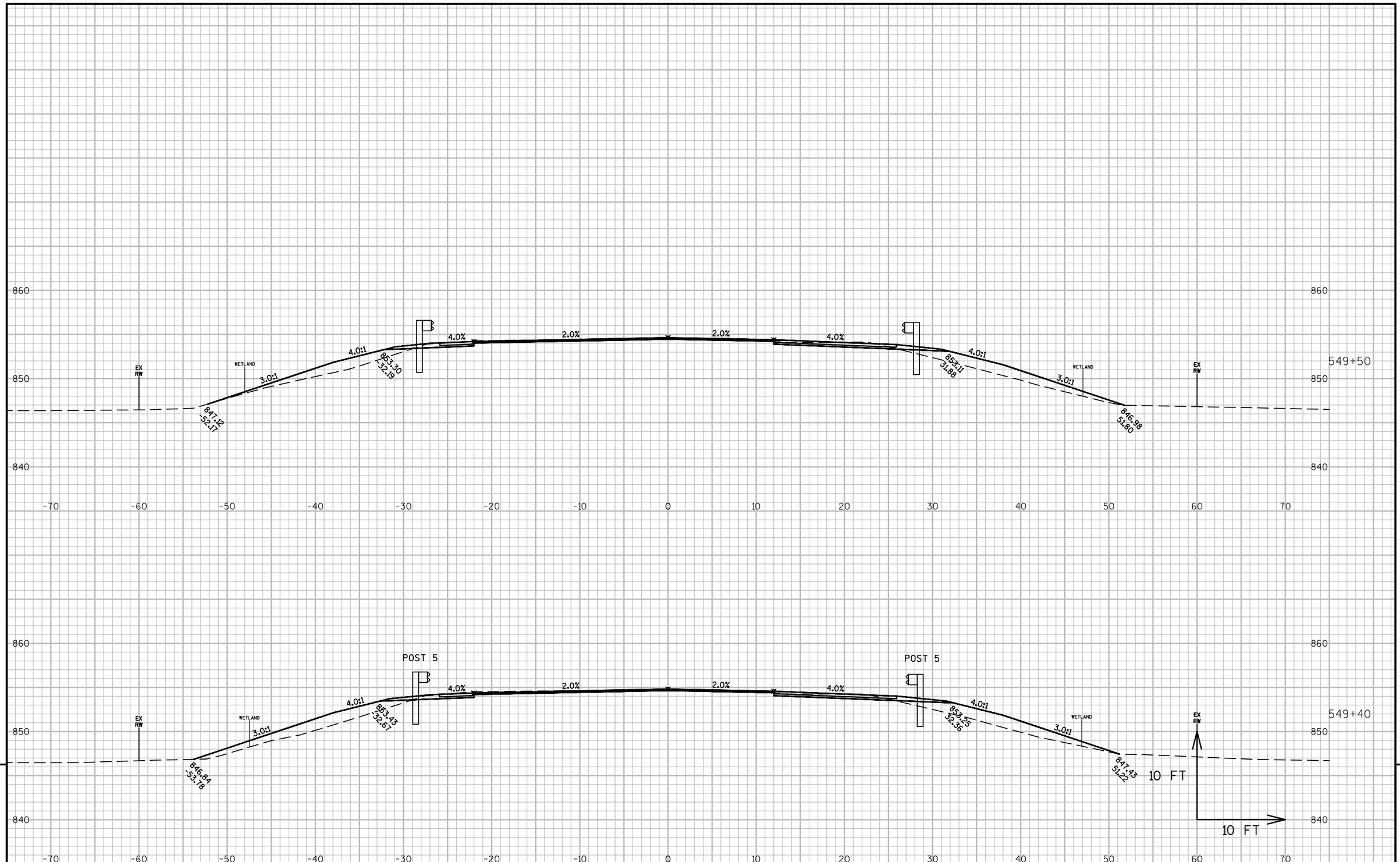
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 282	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (3)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

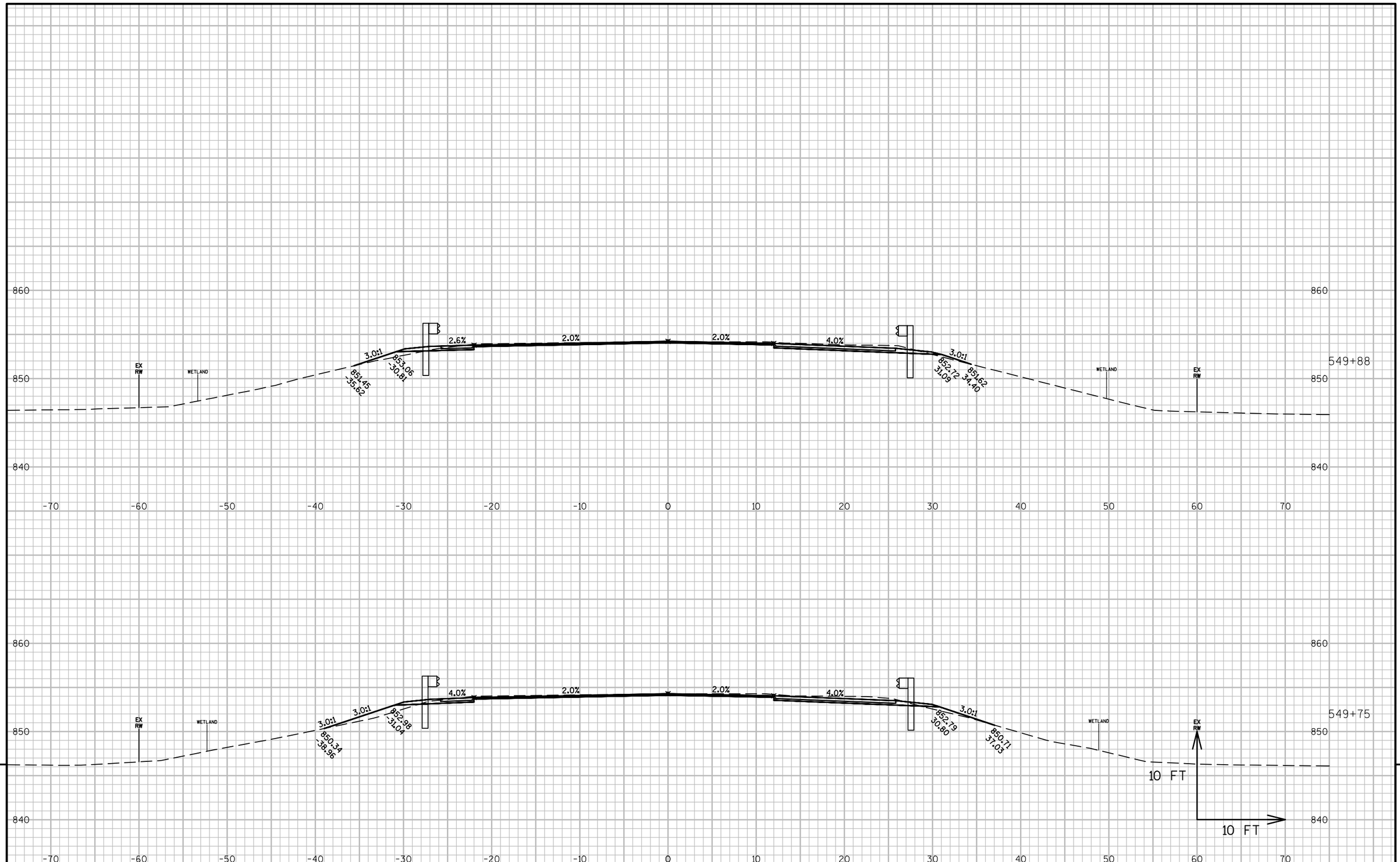


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 283 E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (4)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

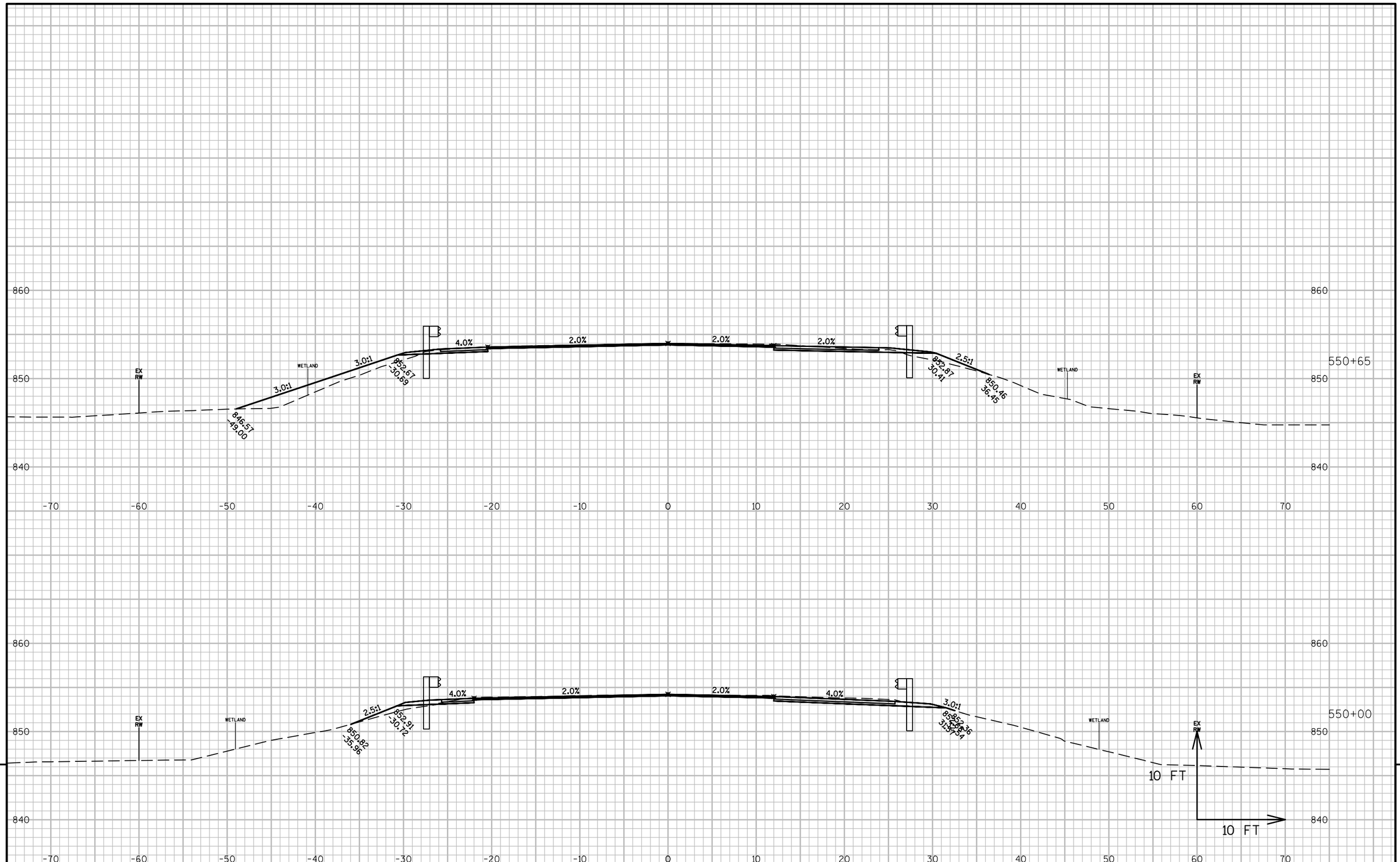
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 284	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (5)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

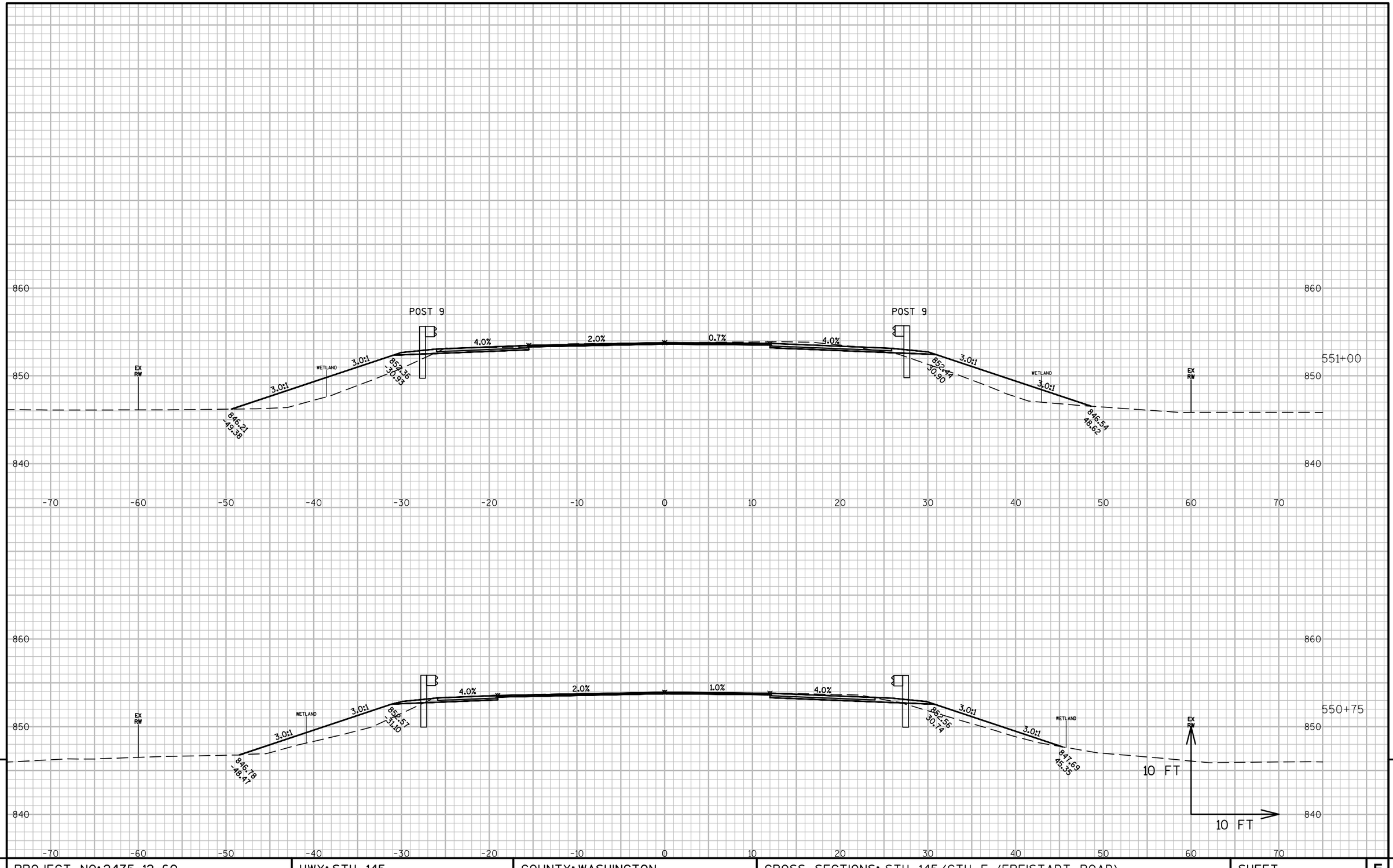


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 285	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (6)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

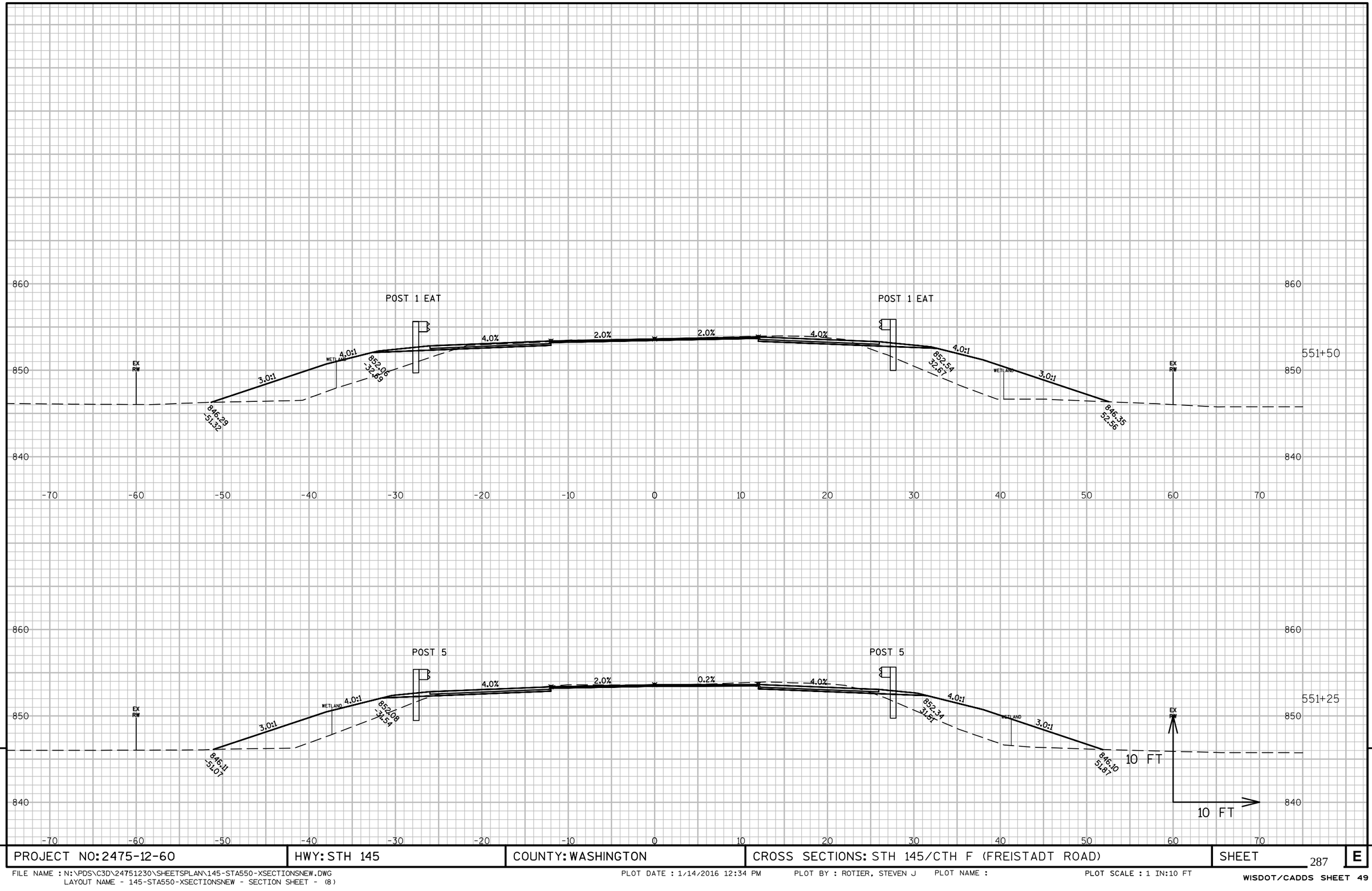


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 286	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (7)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

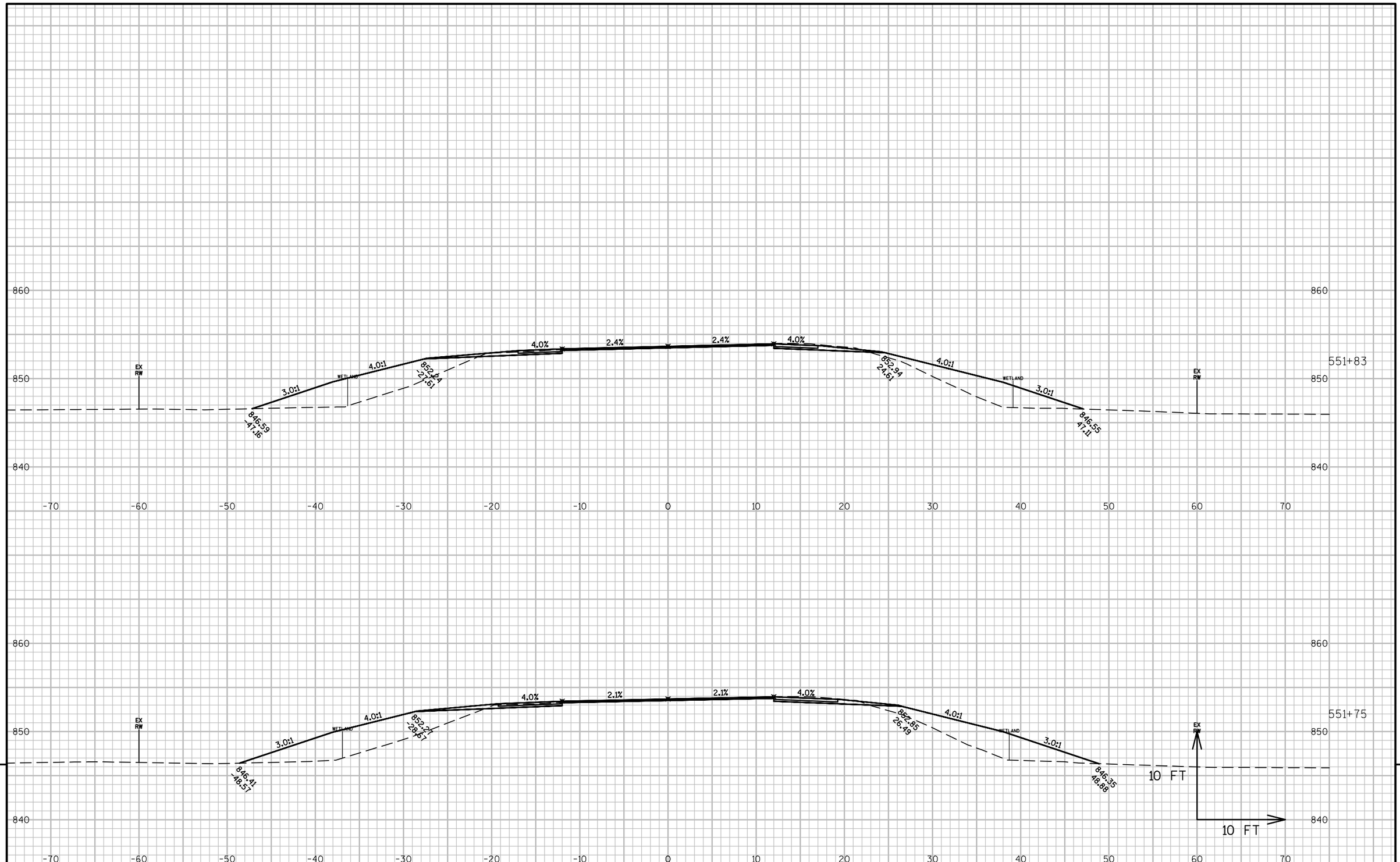


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 287	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (8)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

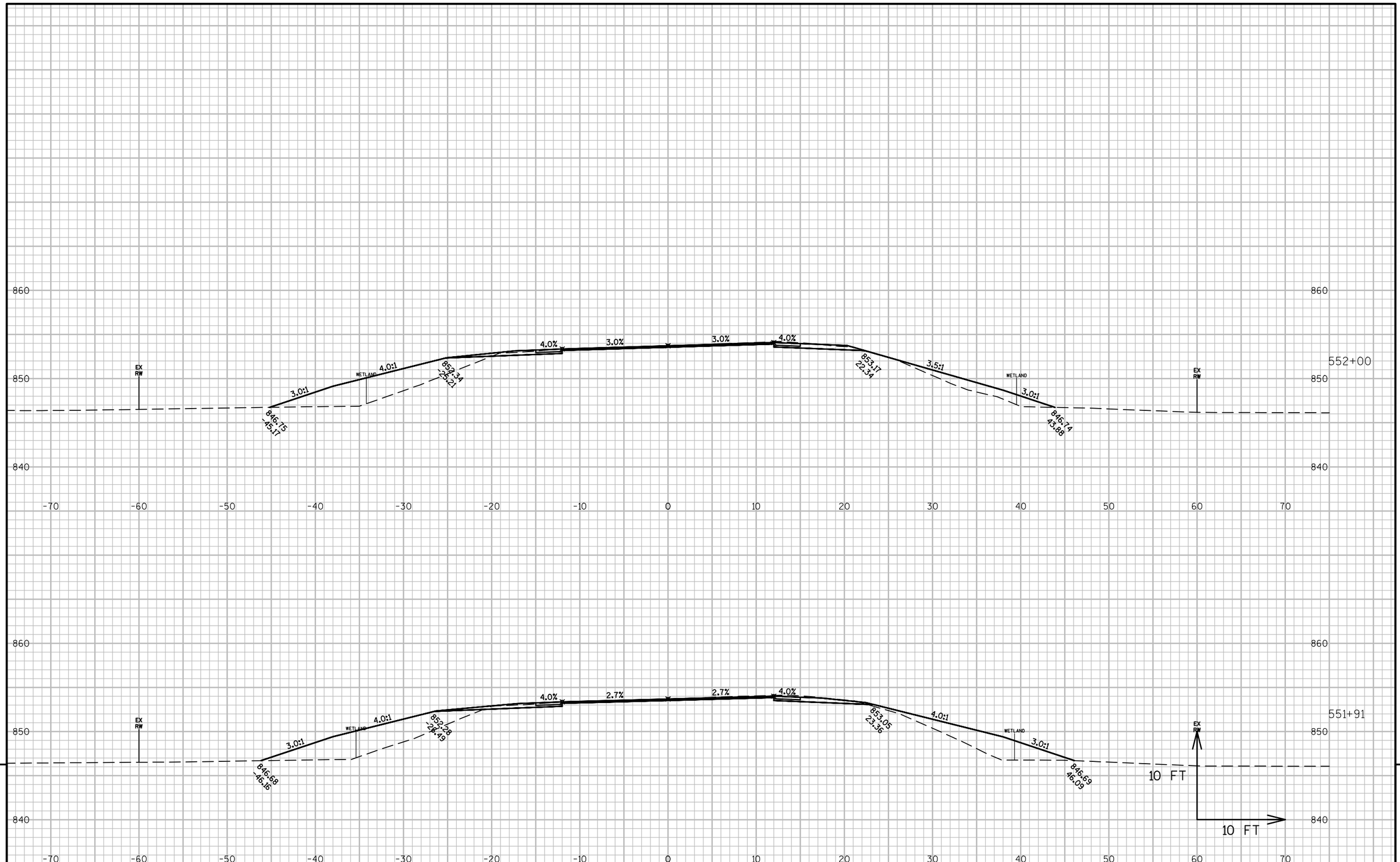
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 288	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (9)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

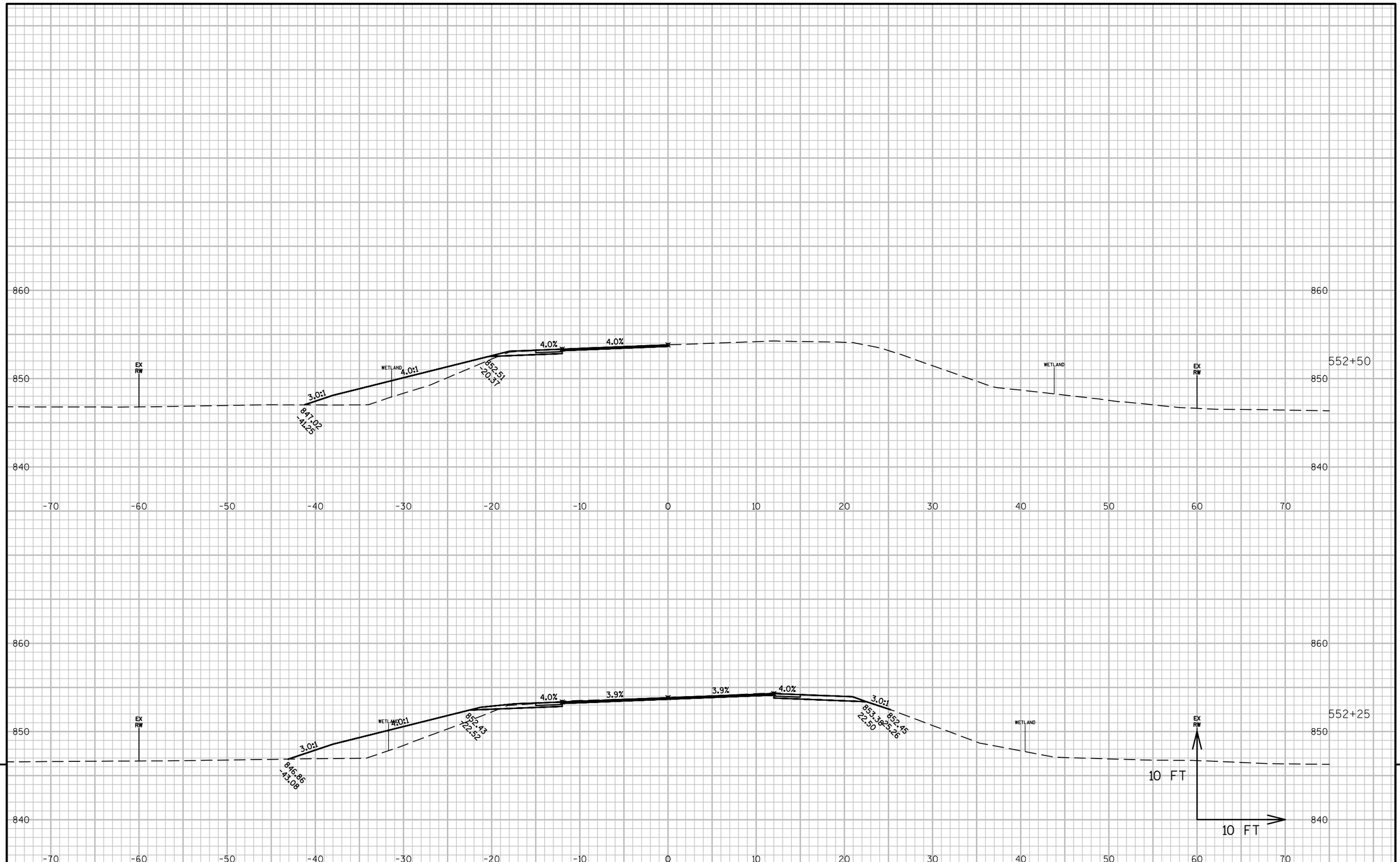
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 289	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (10)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

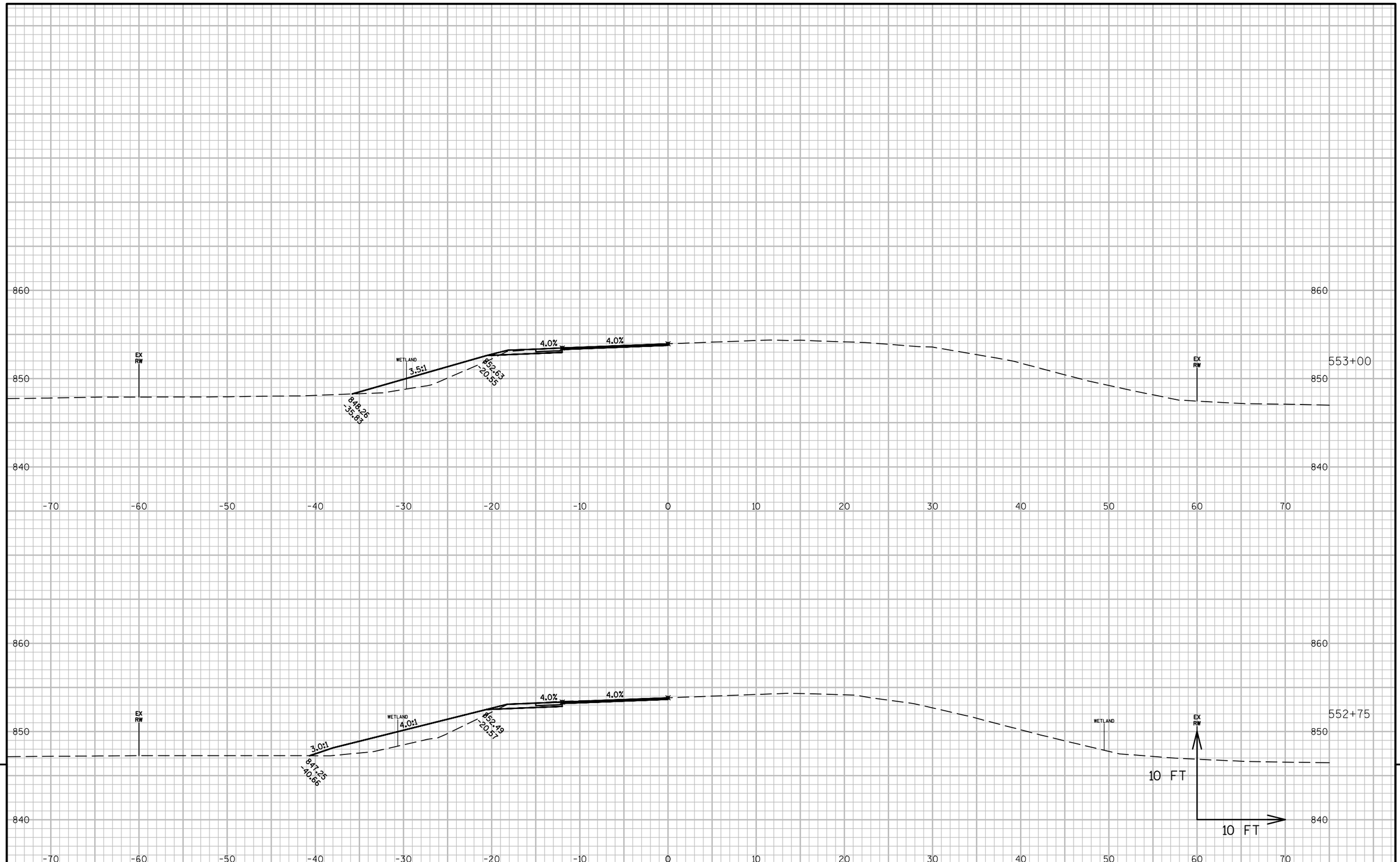
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 290	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (11)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

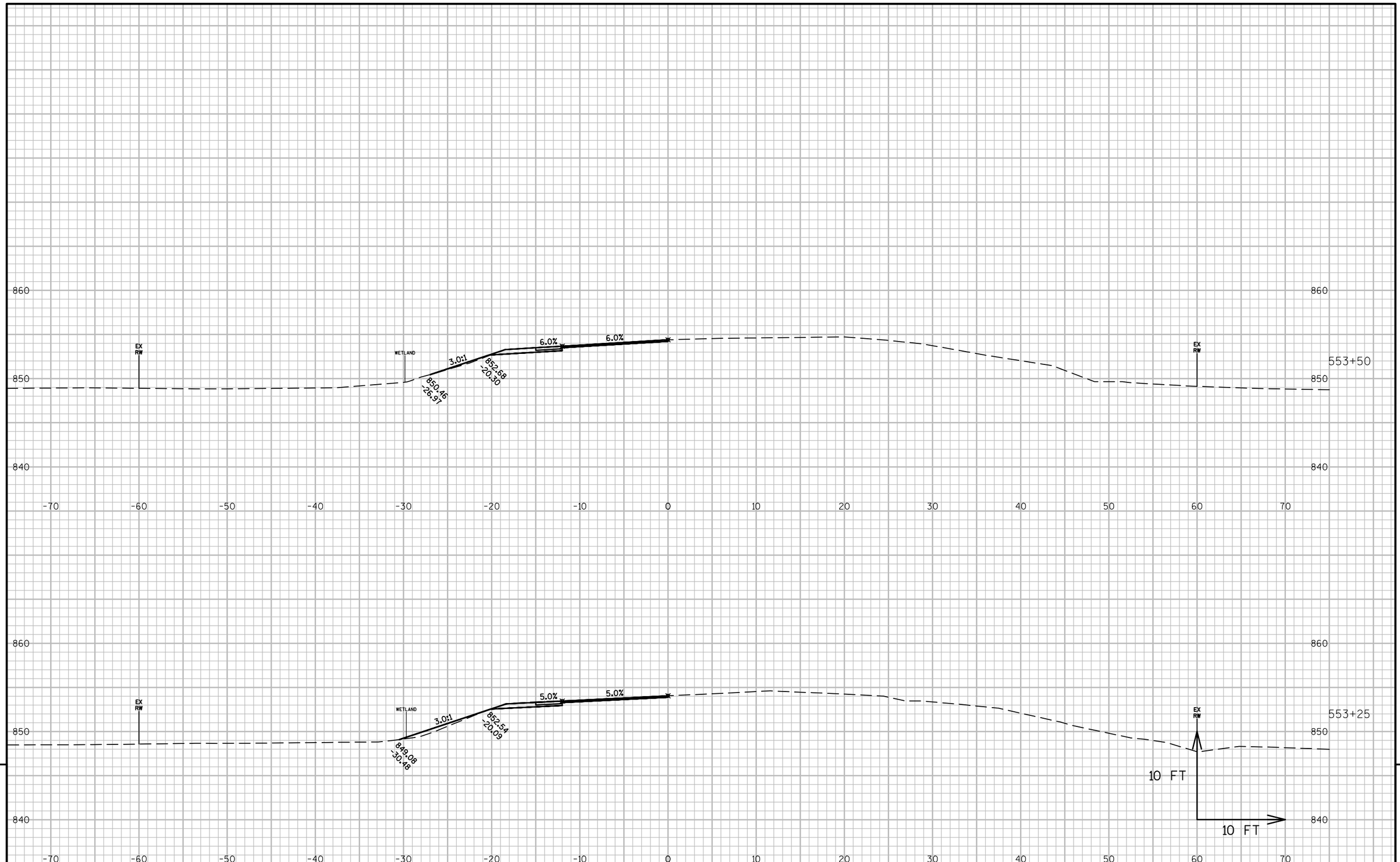
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 291	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (12)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

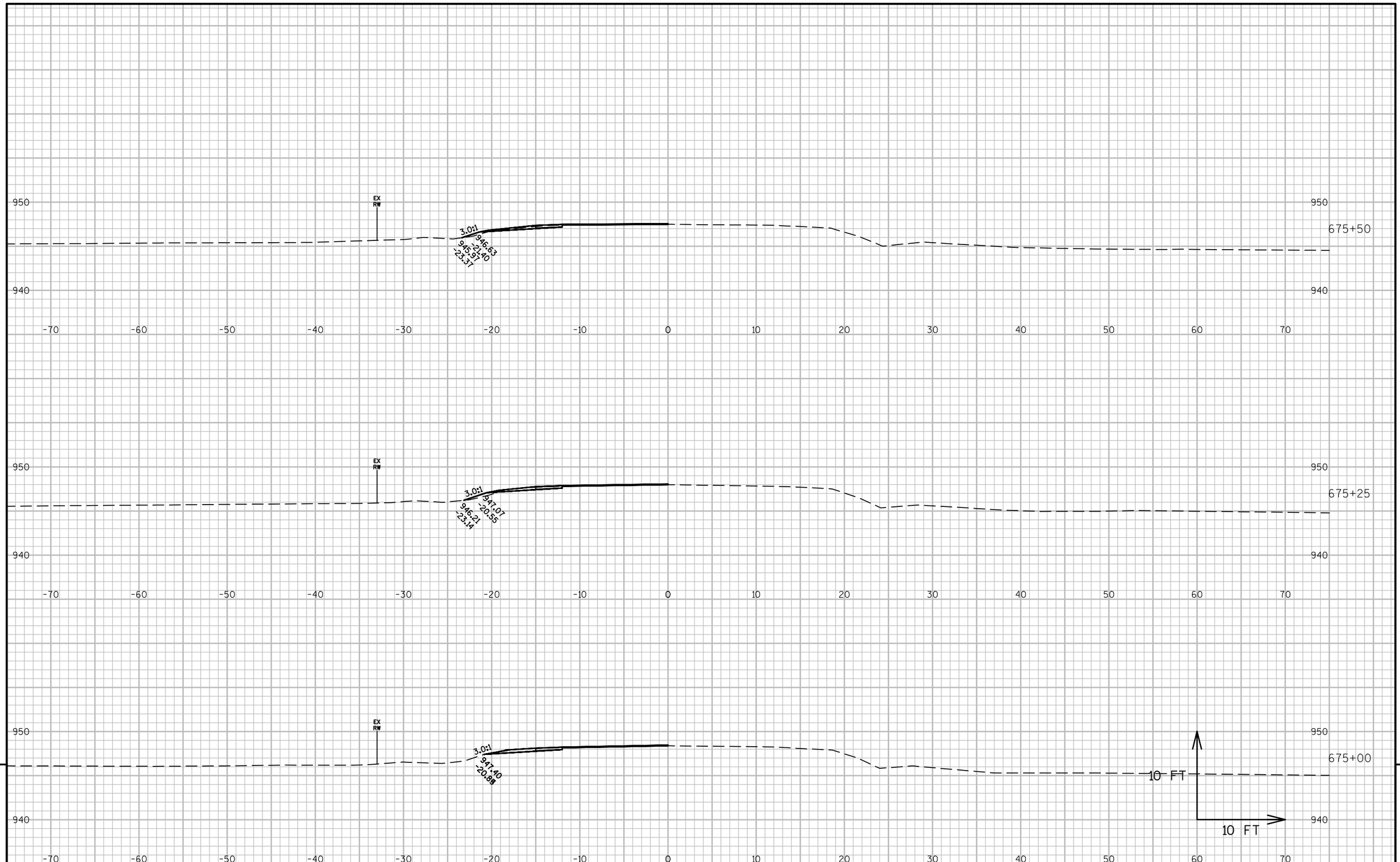
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/CTH F (FREISTADT ROAD)	SHEET 292	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA550-XSECTIONSNEW.DWG
LAYOUT NAME - 145-STA550-XSECTIONSNEW - SECTION SHEET - (13)

PLOT DATE : 1/14/2016 12:34 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

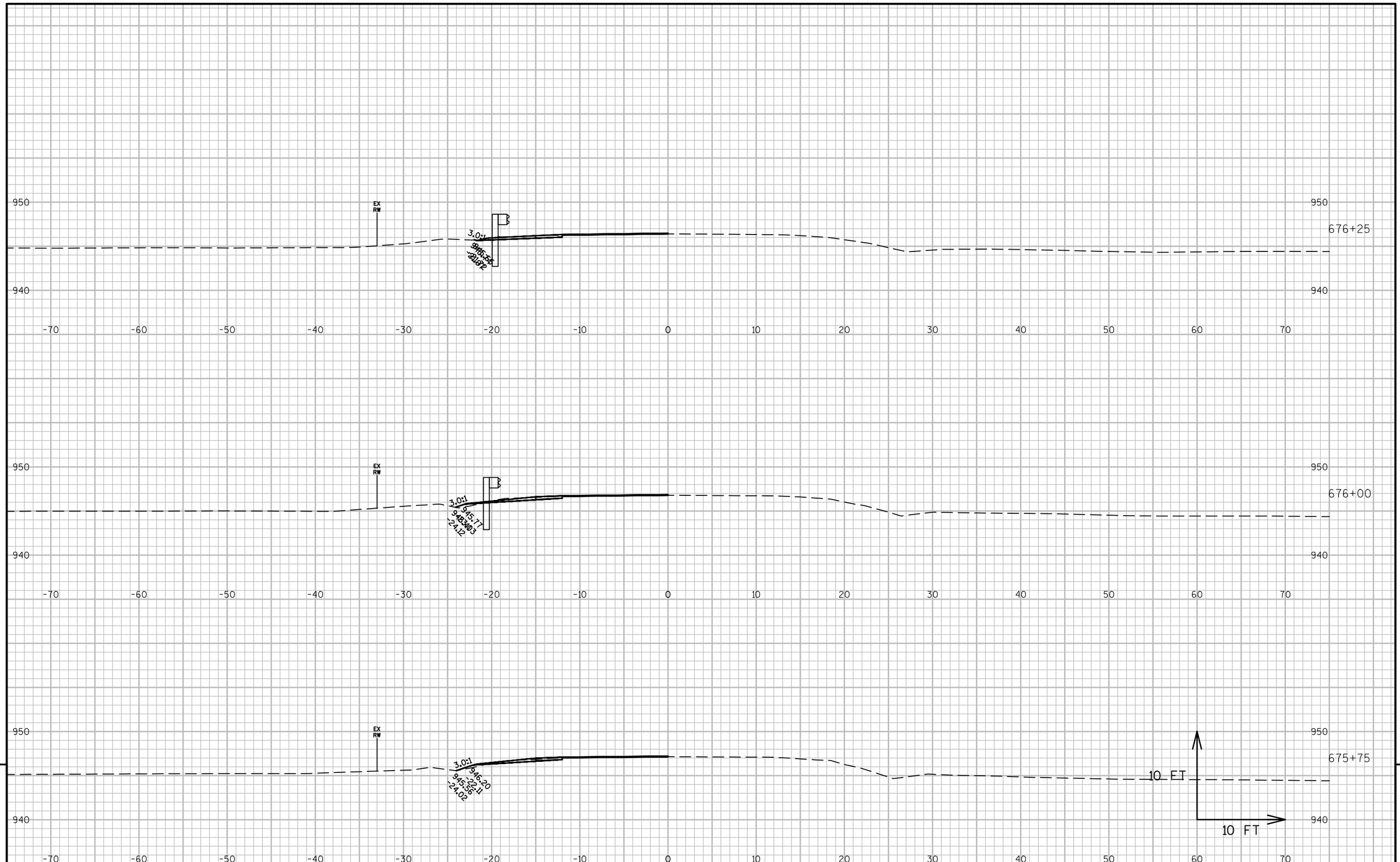
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 293	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (1)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

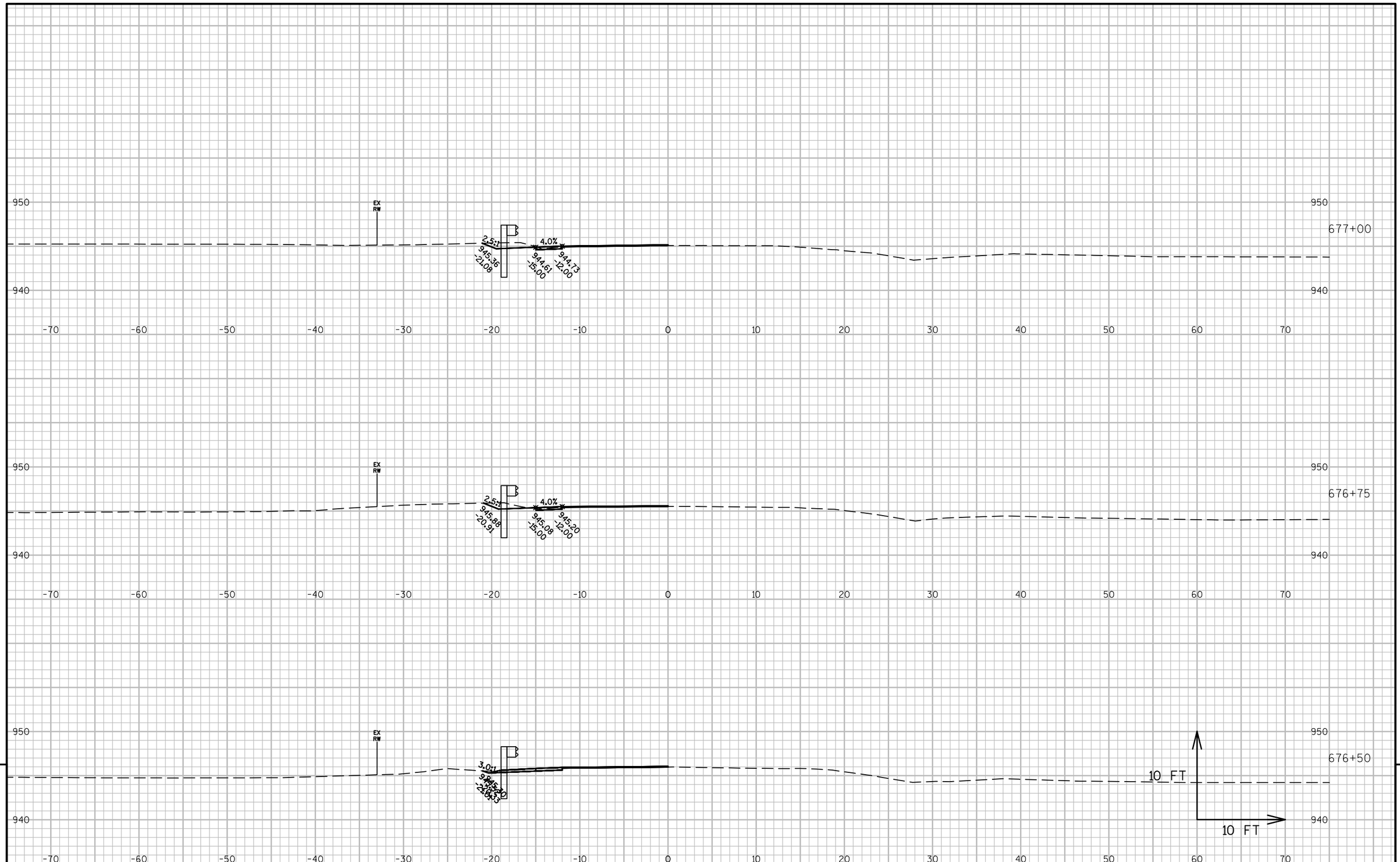
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 294	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (2)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

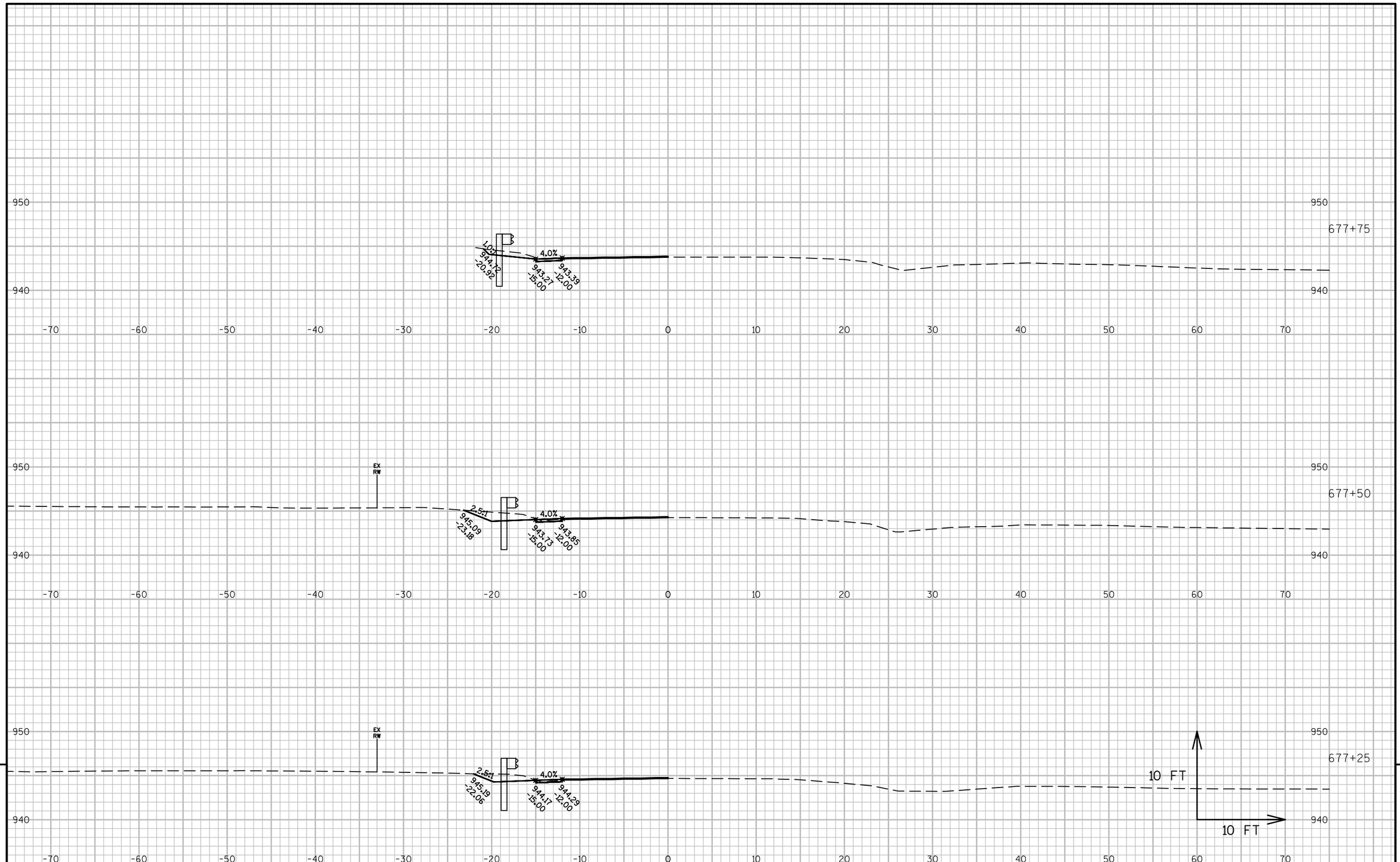
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 295	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (3)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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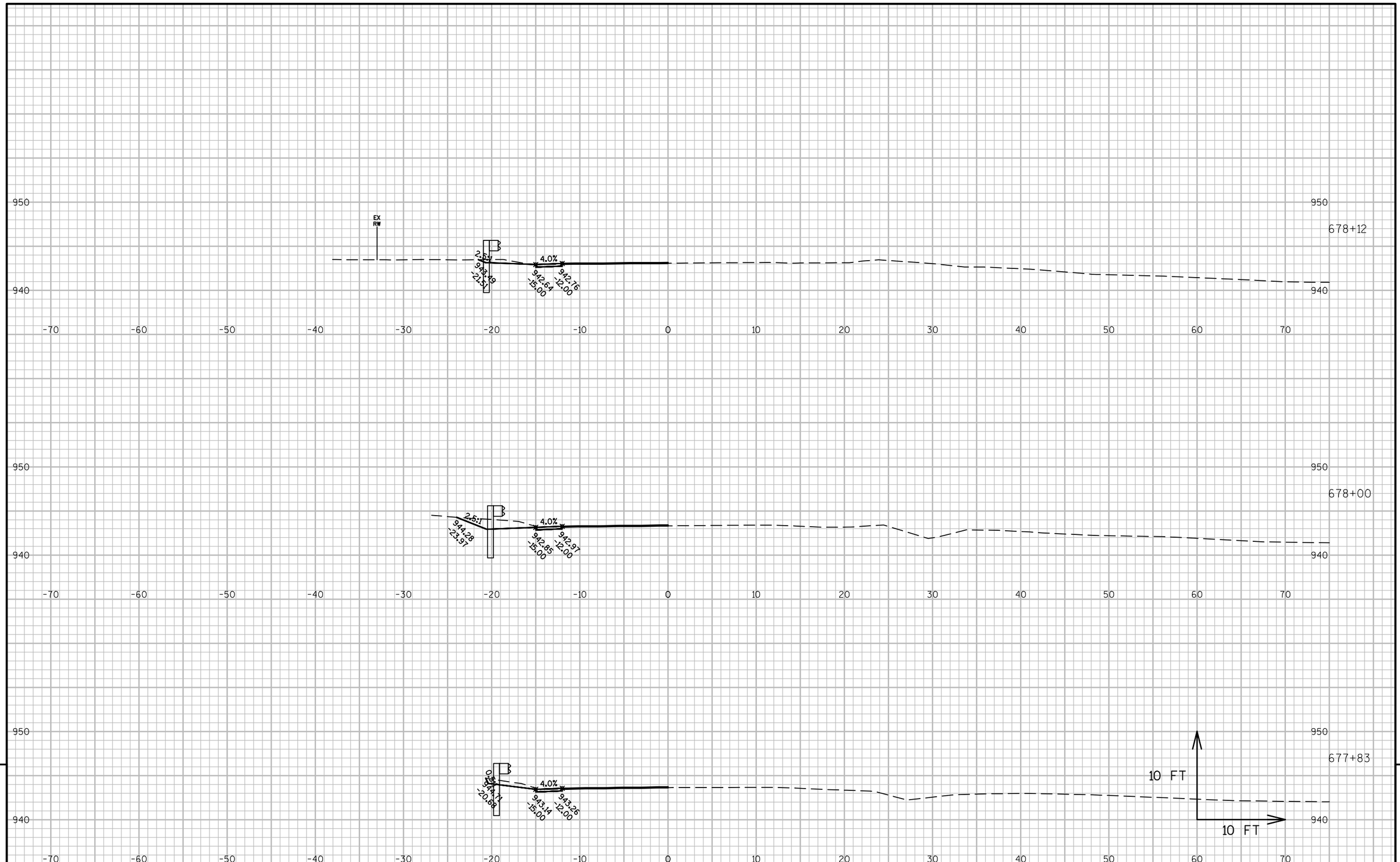
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 296	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (4)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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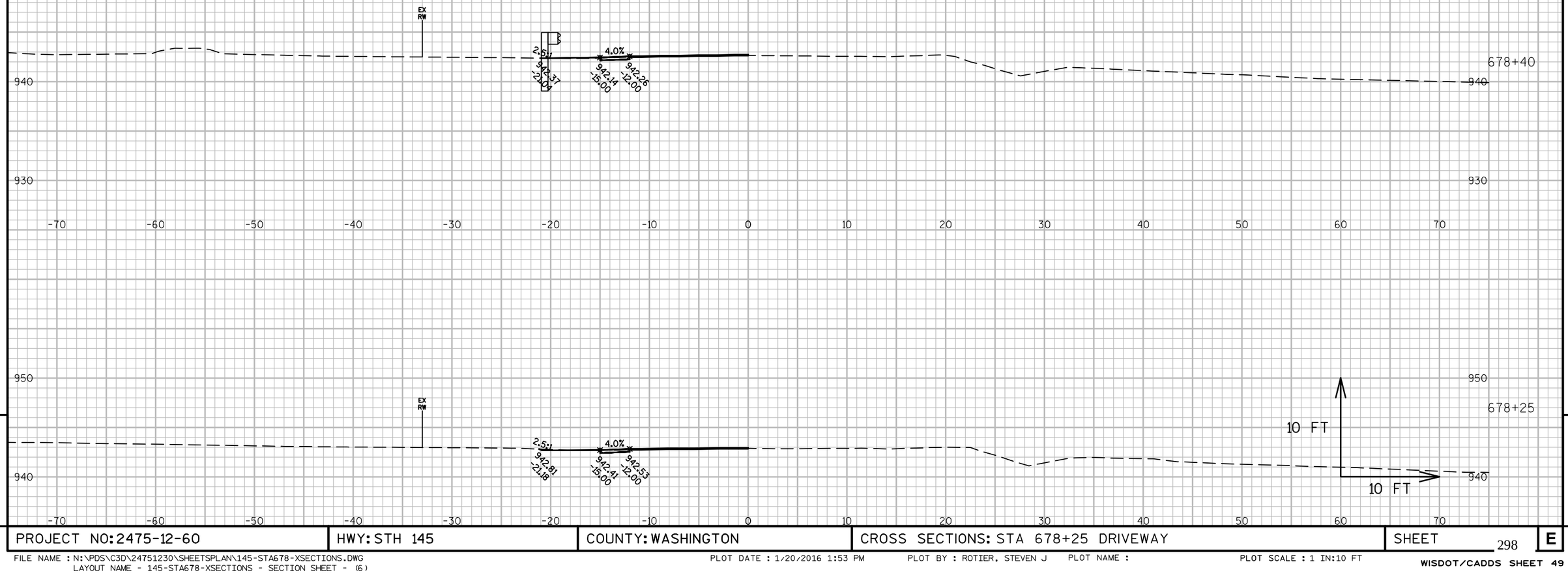
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 297	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (5)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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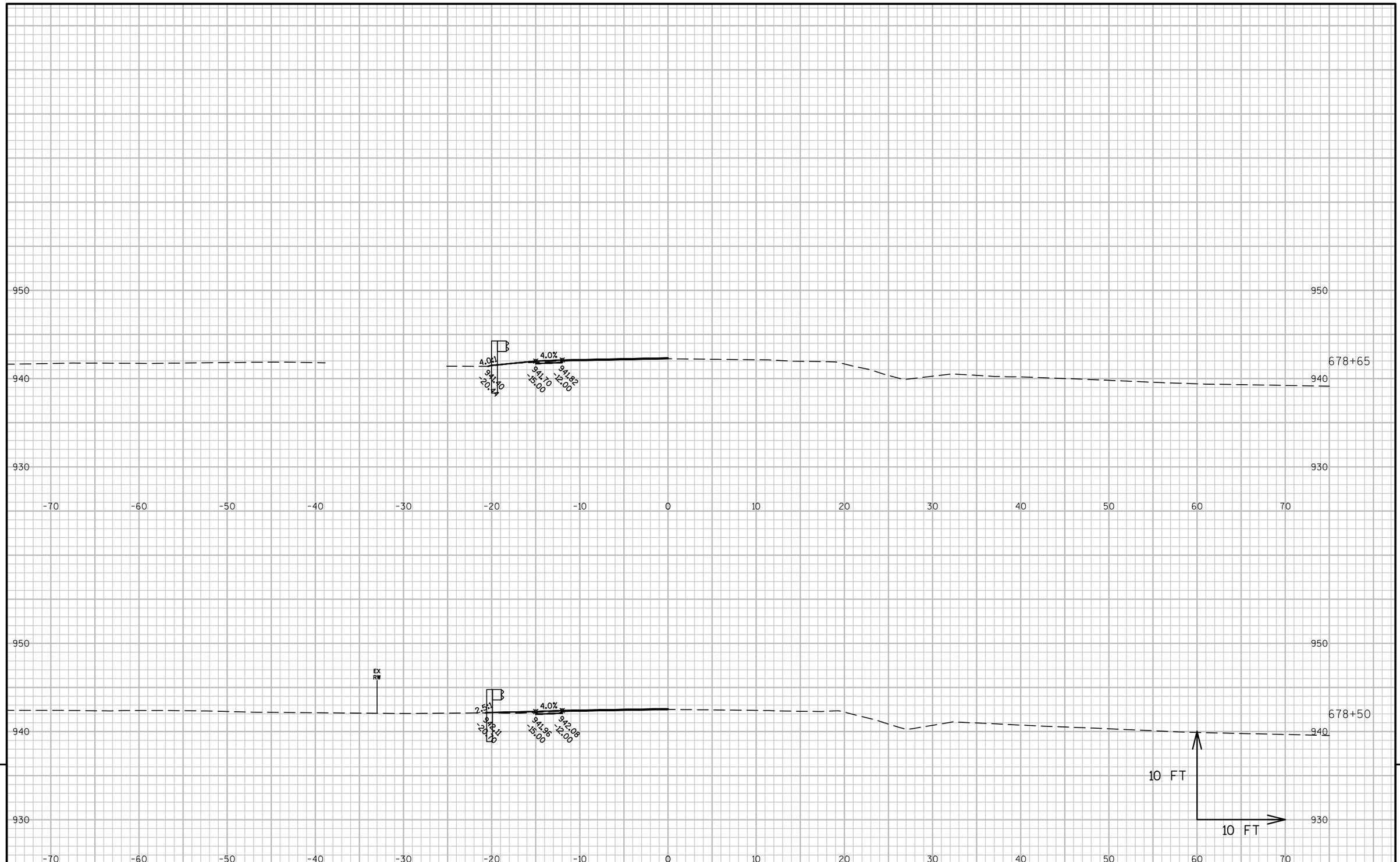
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 298	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (6)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

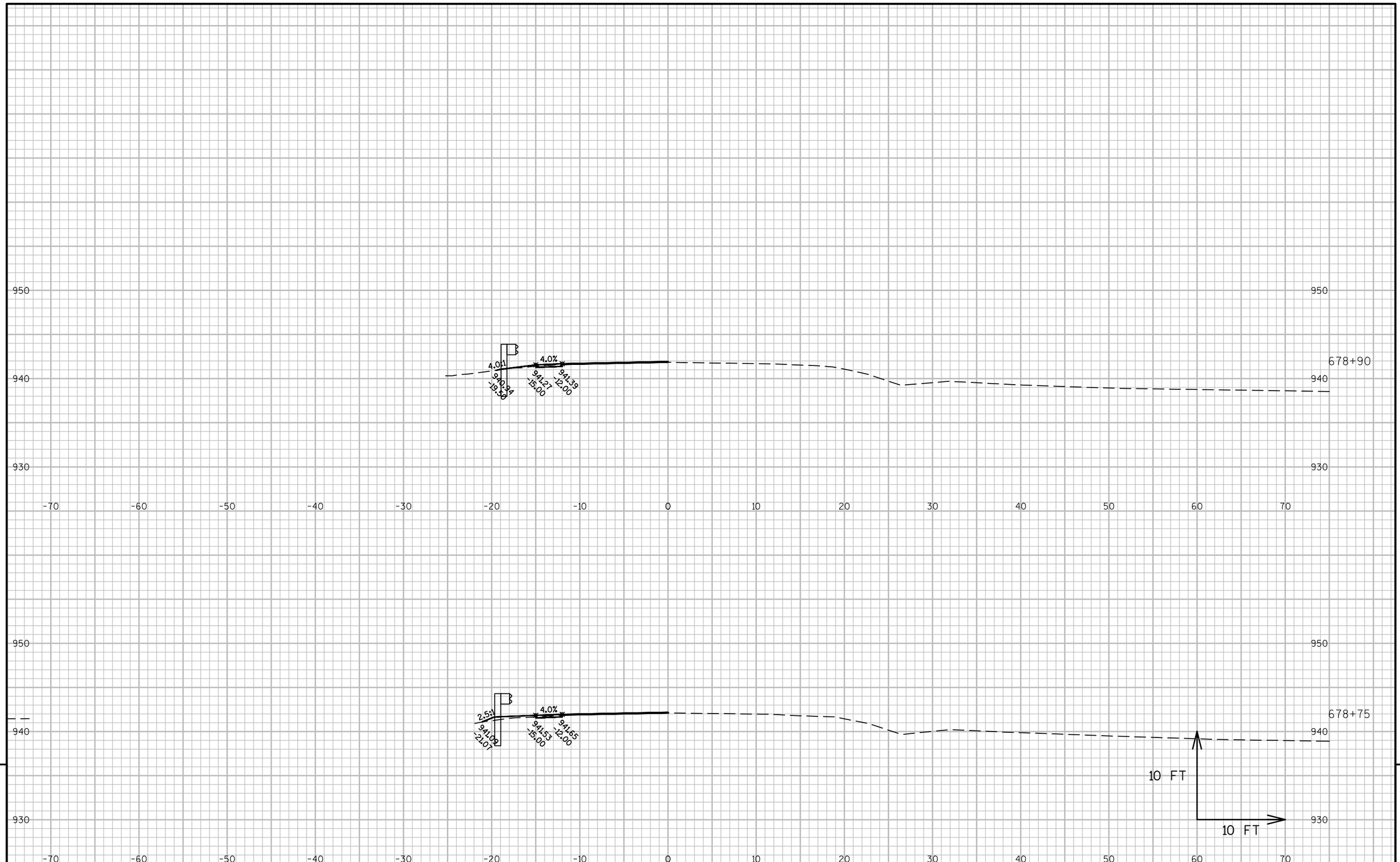


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 299	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (7)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49


950
940
930
-70
-60
-50
-40
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-20
-10
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10
20
30
40
50
60
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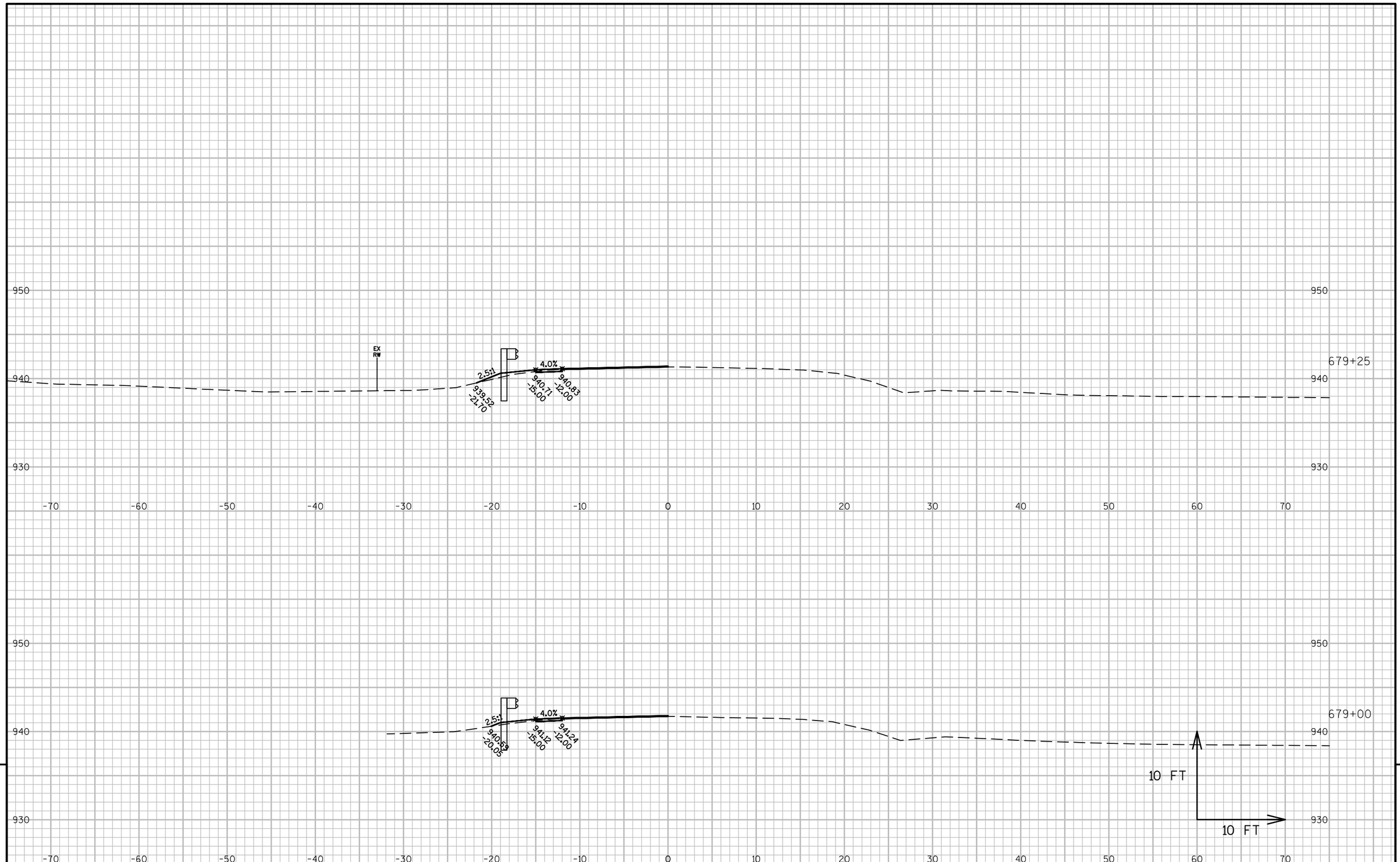
4.0%
4.0%



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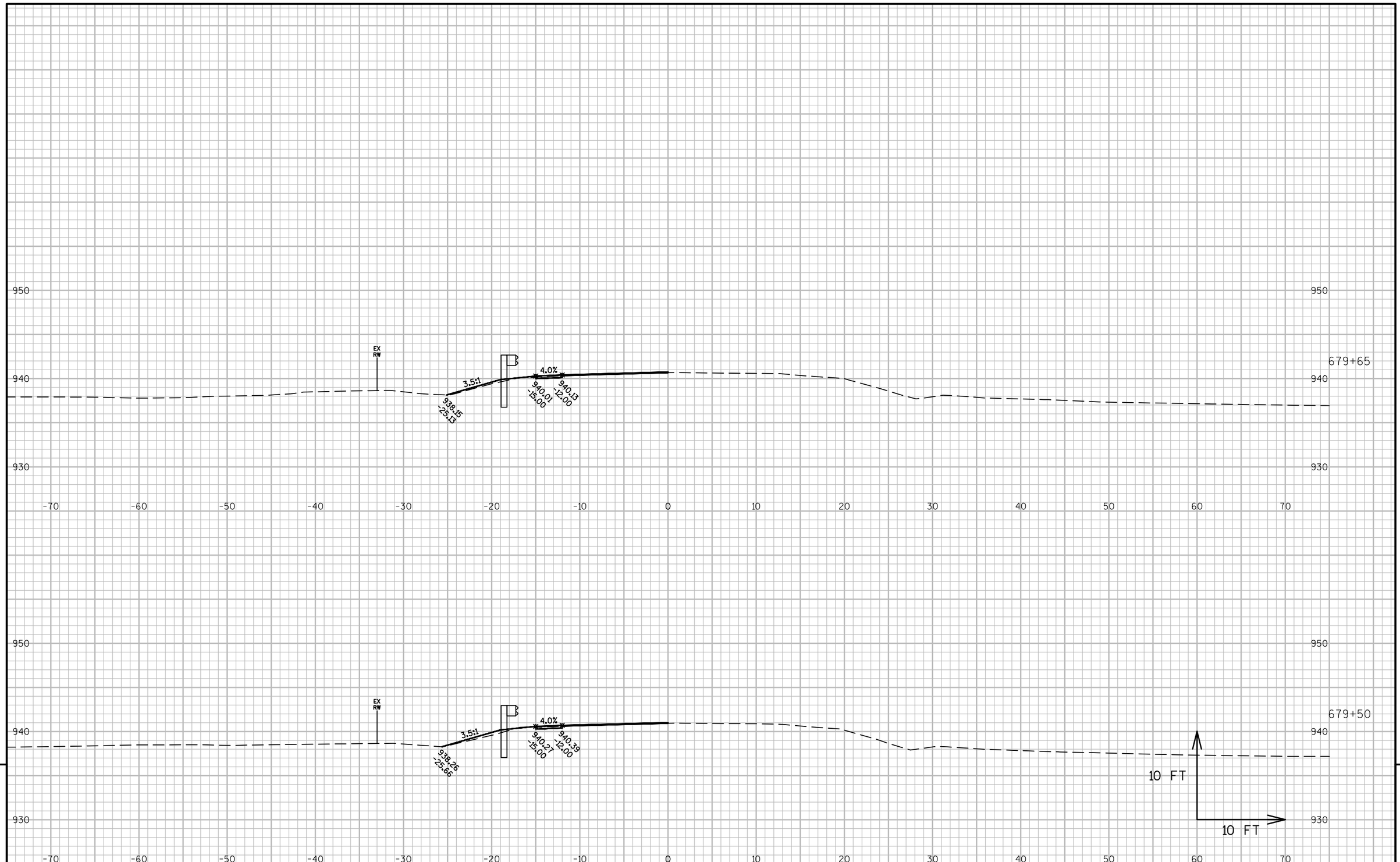
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 301	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (9)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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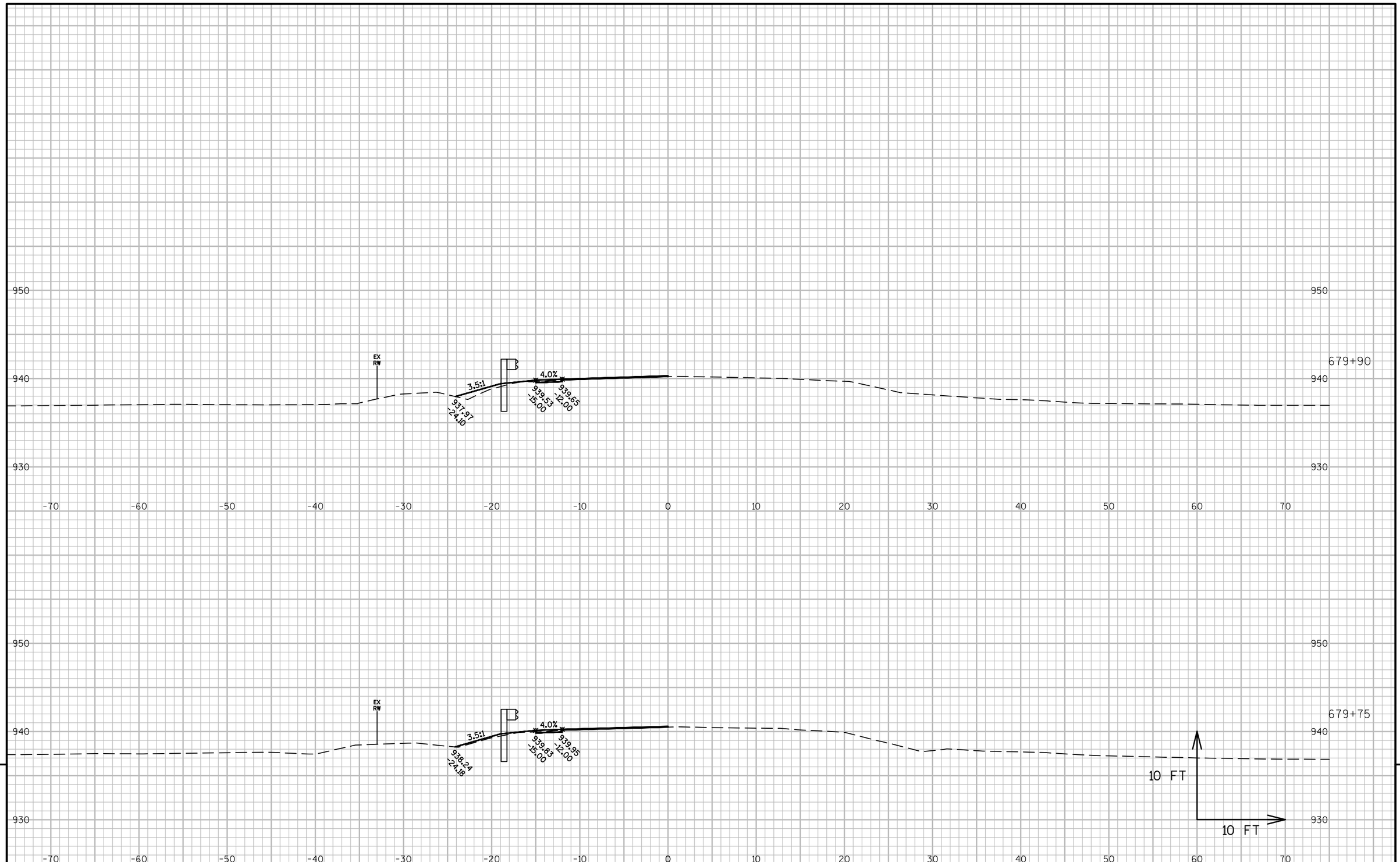
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 302	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (10)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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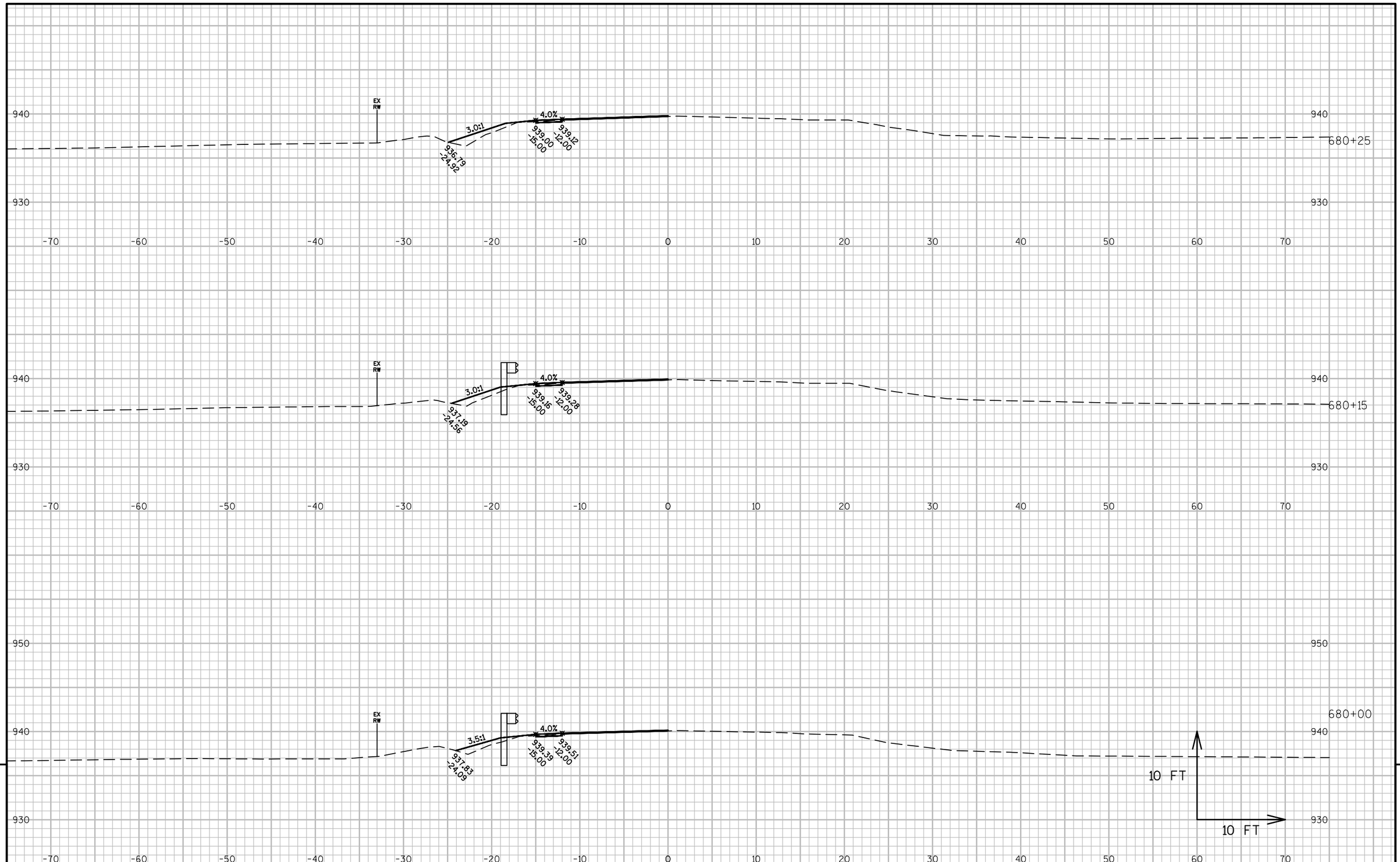
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 303	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (11)

PLOT DATE : 1/20/2016 1:53 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

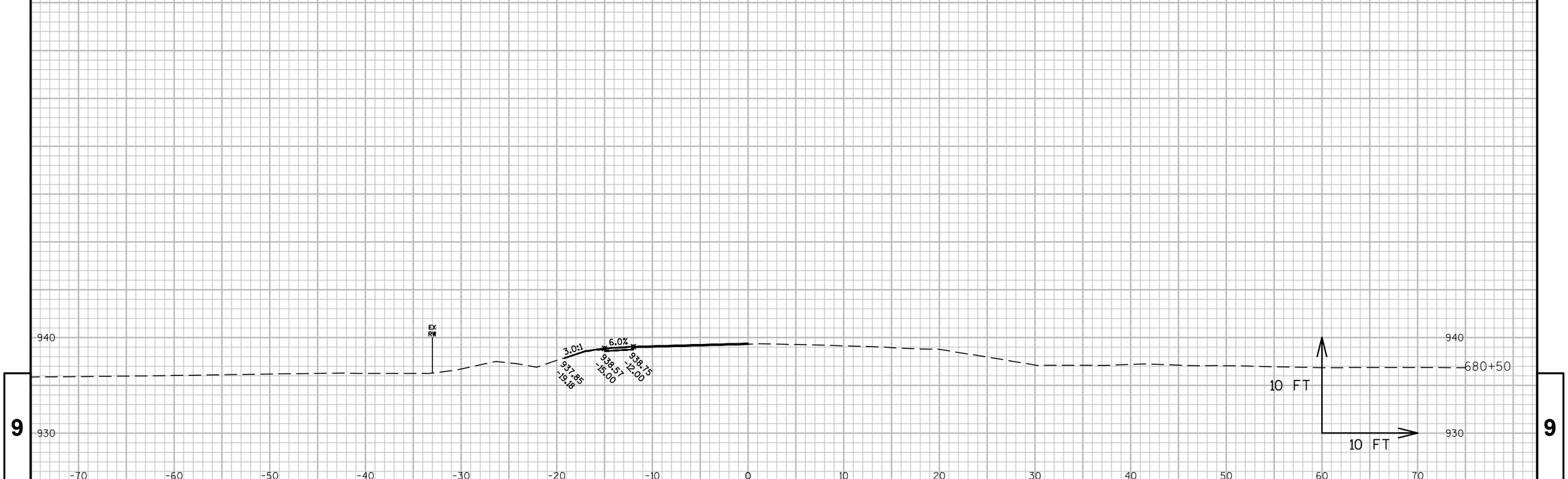


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 304 E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (12)

PLOT DATE : 1/20/2016 1:54 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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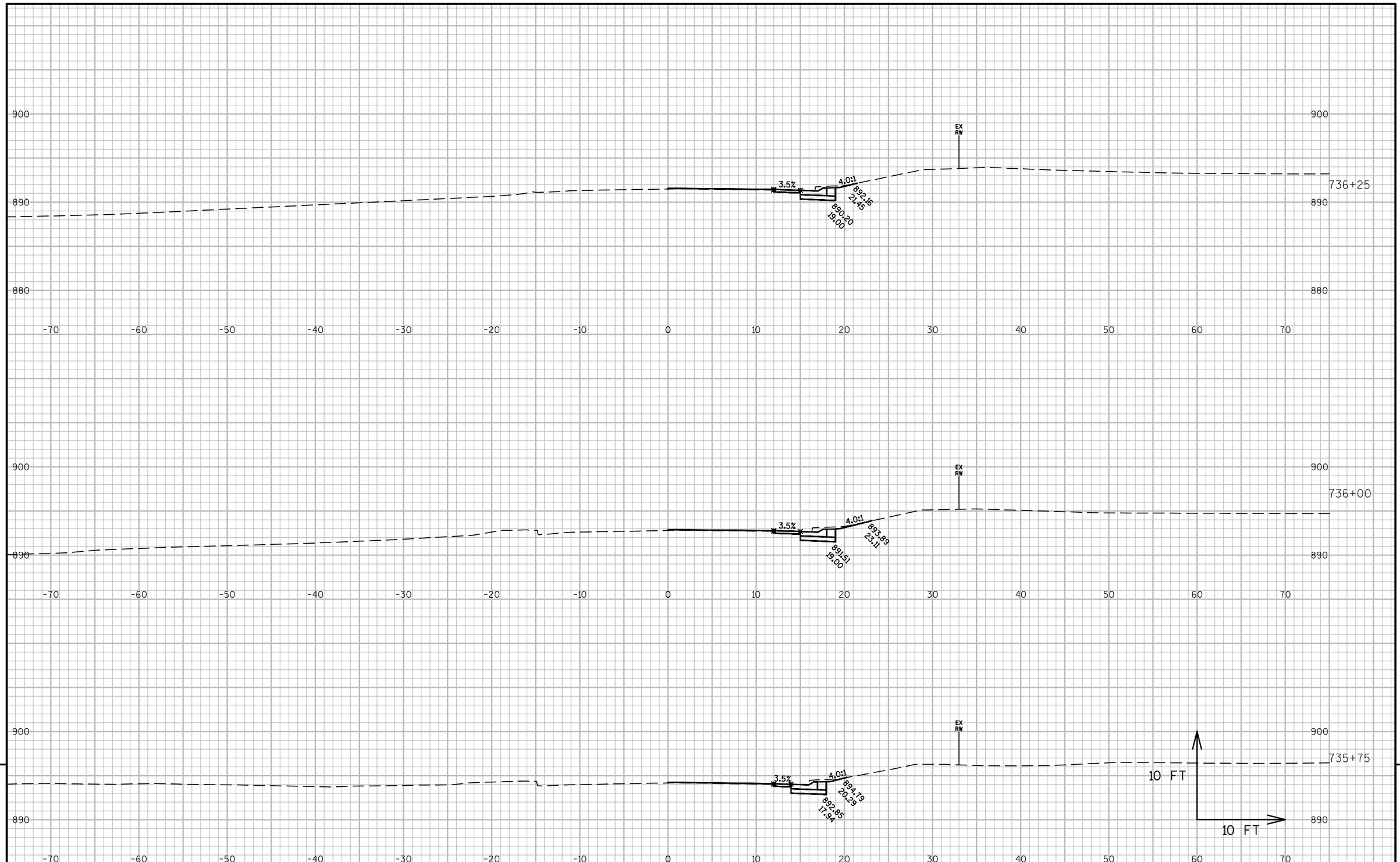
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STA 678+25 DRIVEWAY	SHEET 305	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA678-XSECTIONS.DWG
LAYOUT NAME - 145-STA678-XSECTIONS - SECTION SHEET - (13)

PLOT DATE : 1/20/2016 1:54 PM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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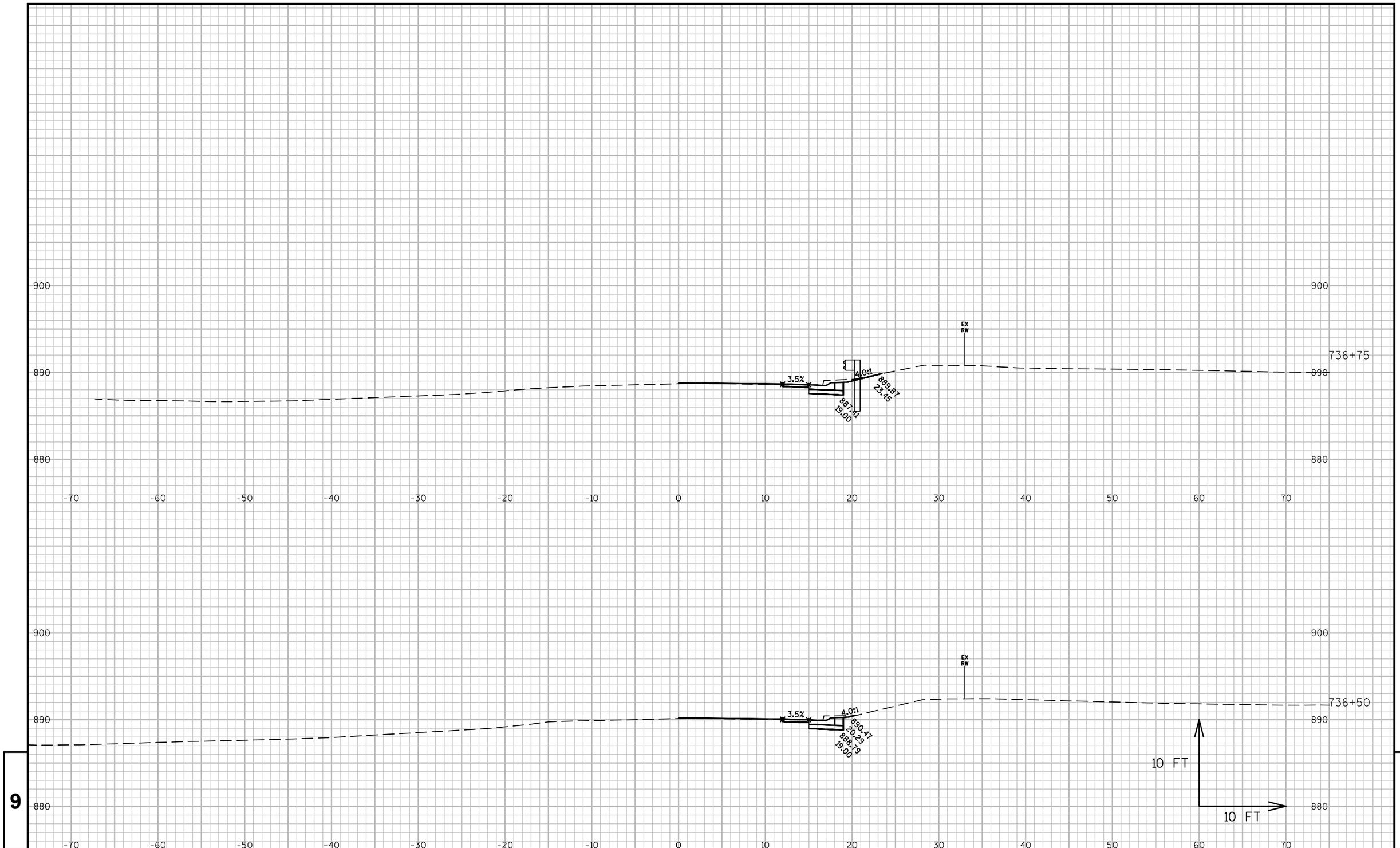
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 306	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (1)
PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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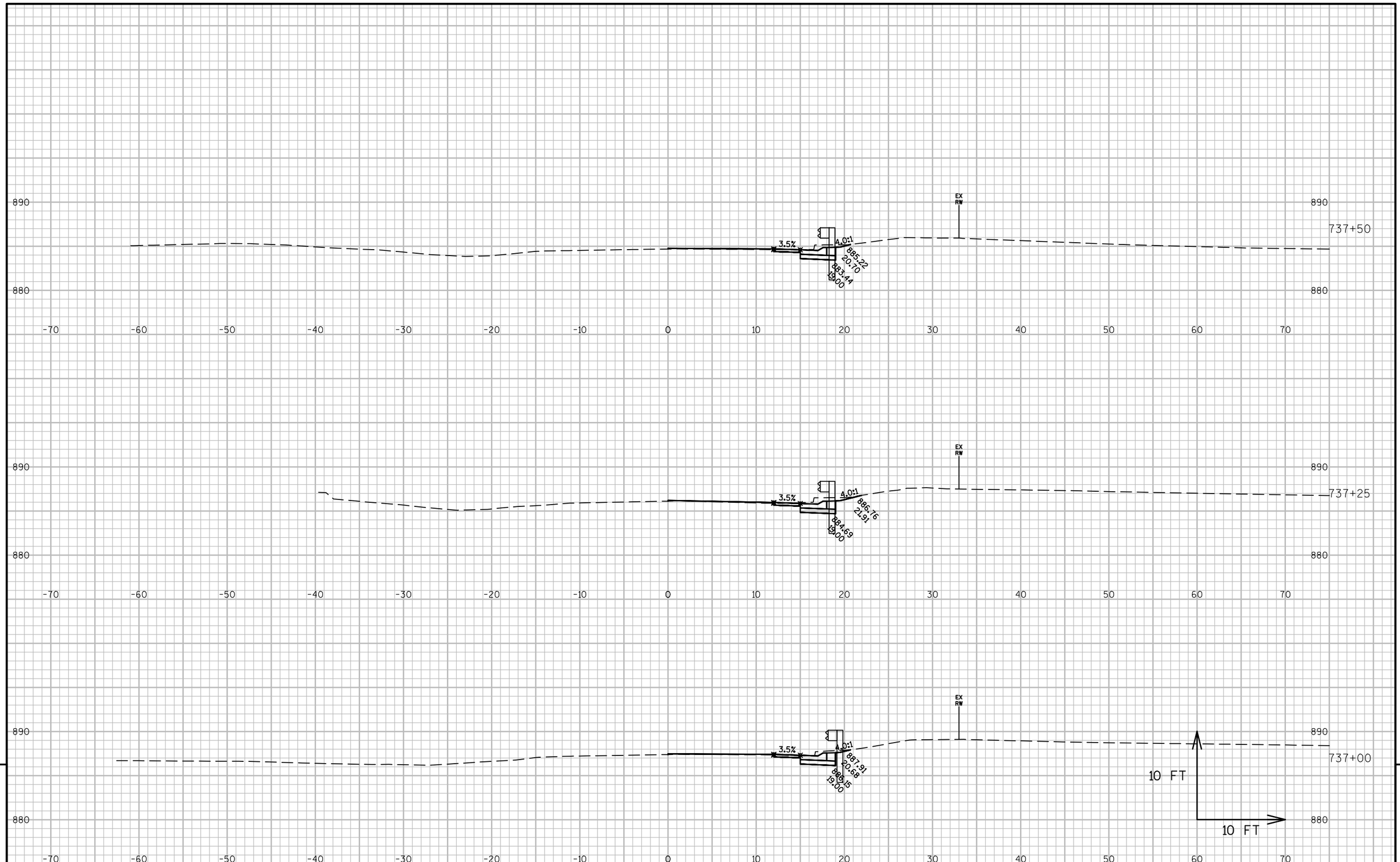
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 307	E



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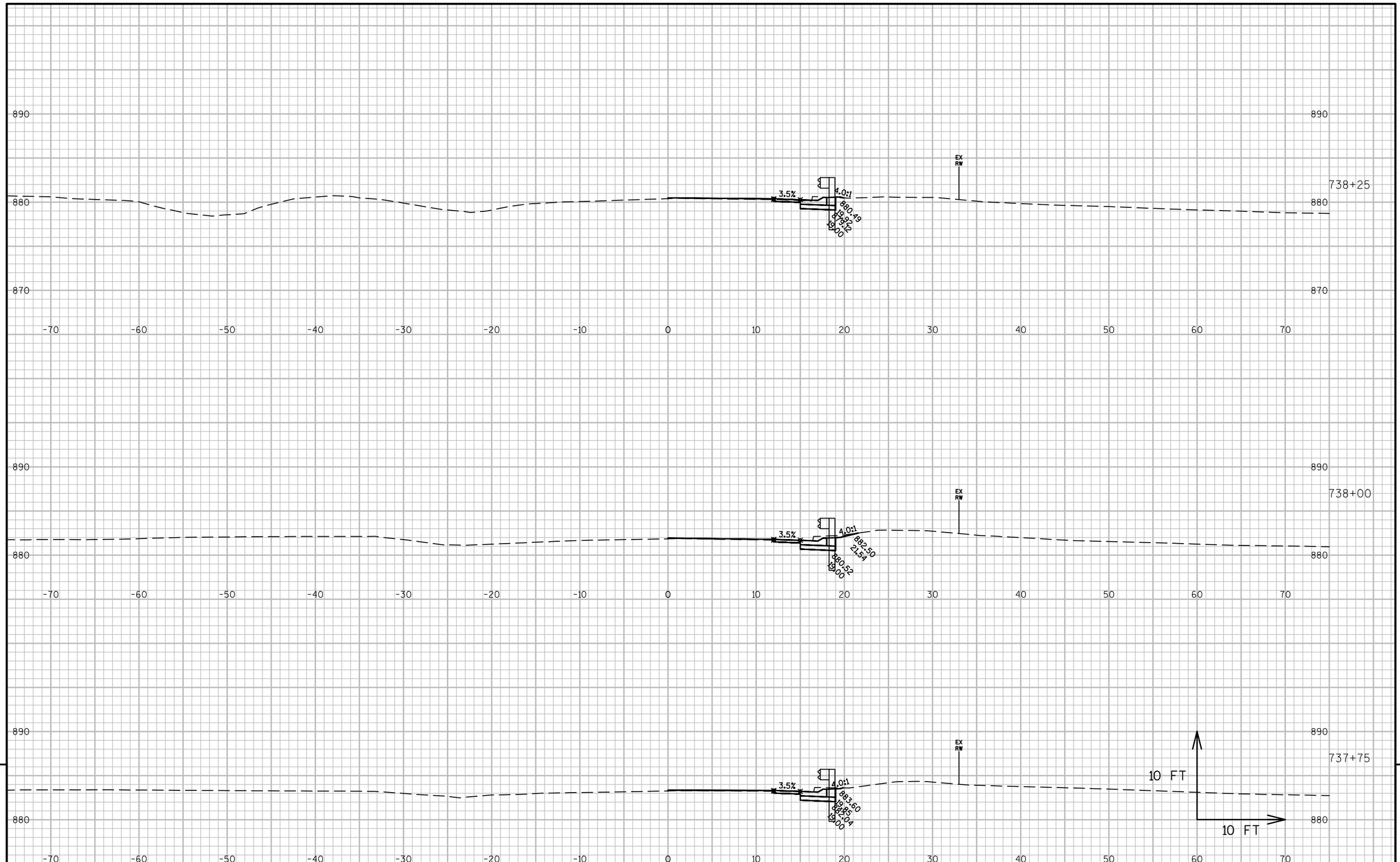
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 308	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (3)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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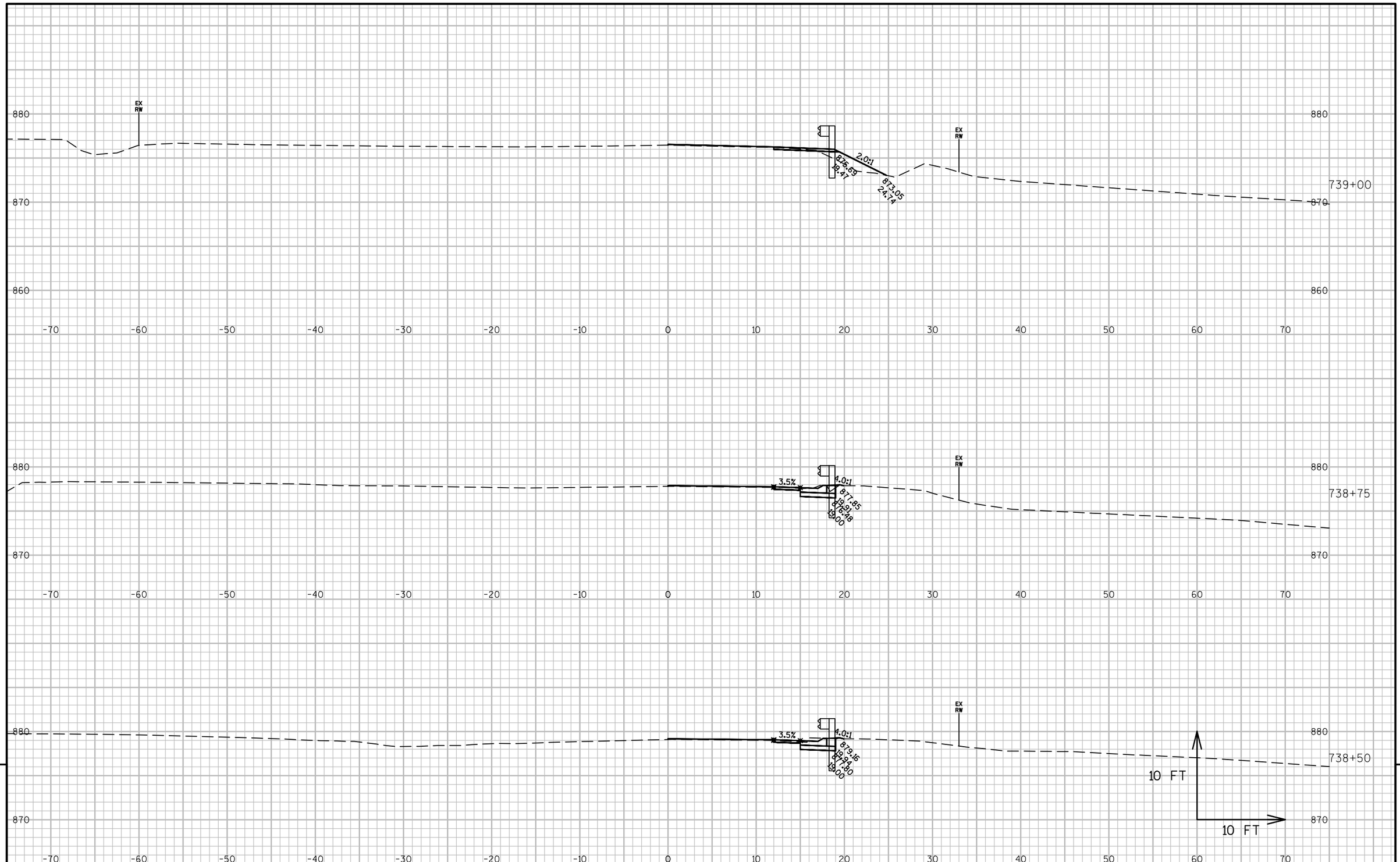
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 309	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (4)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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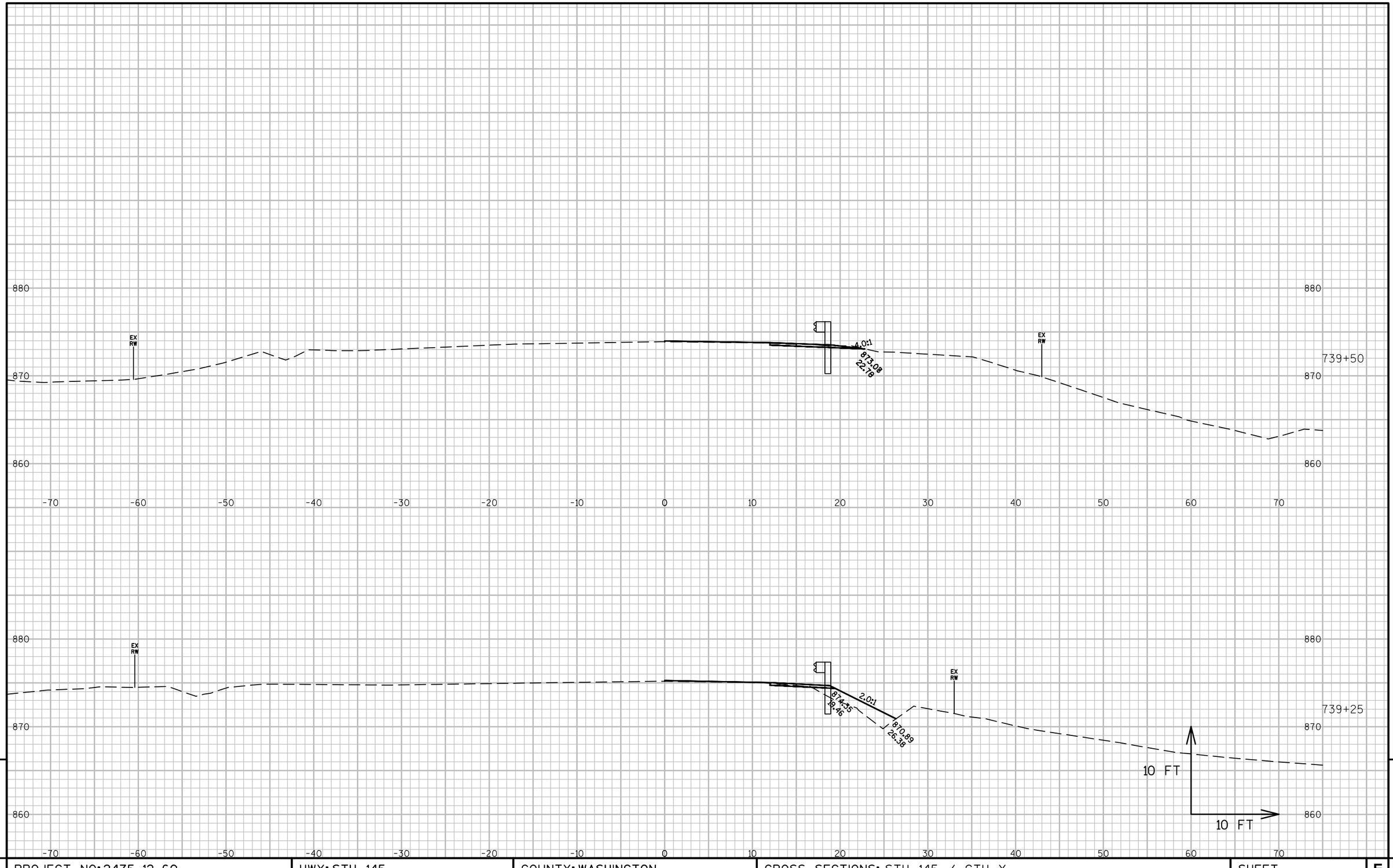
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 310	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (5)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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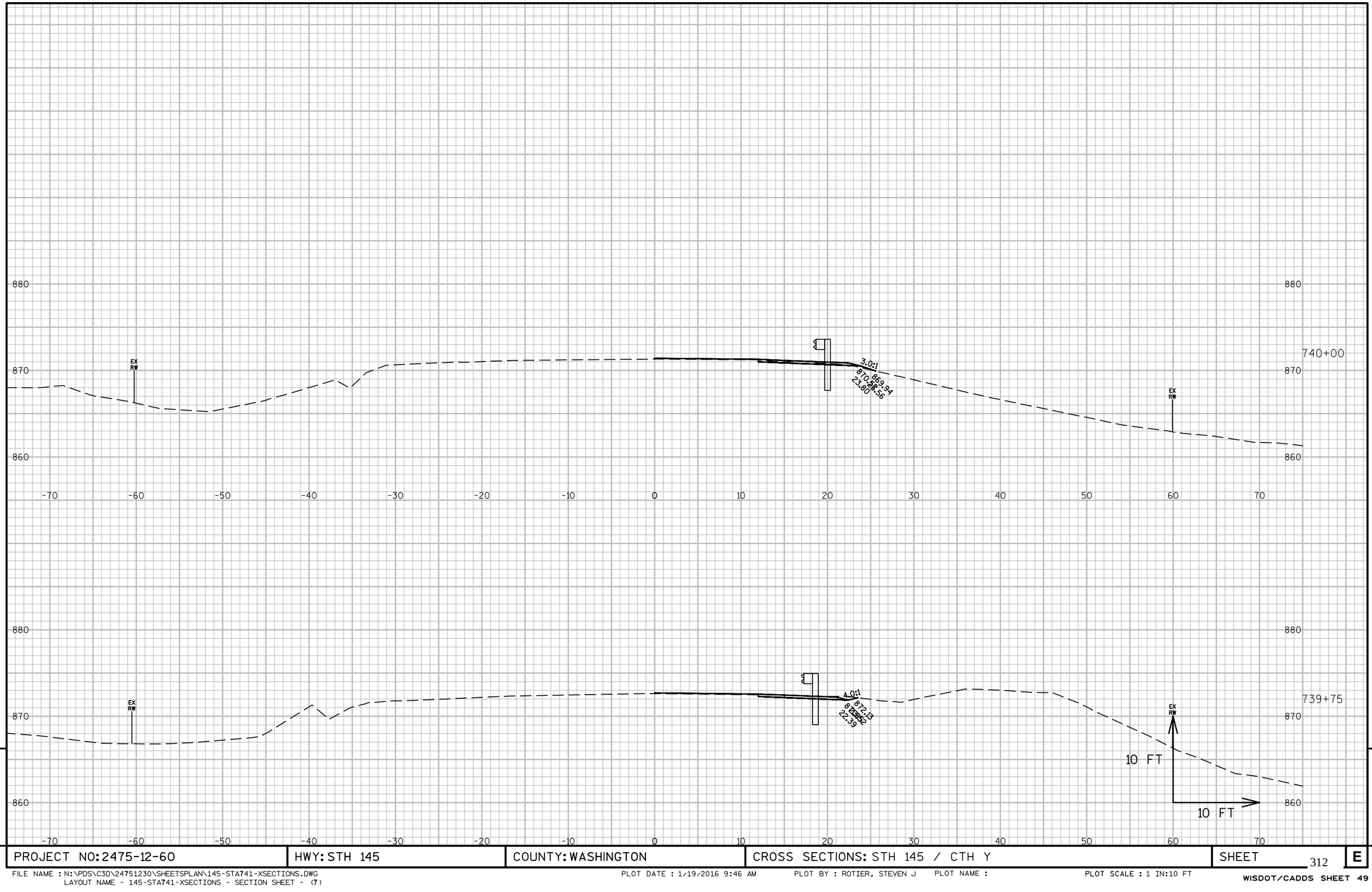
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 311	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (6)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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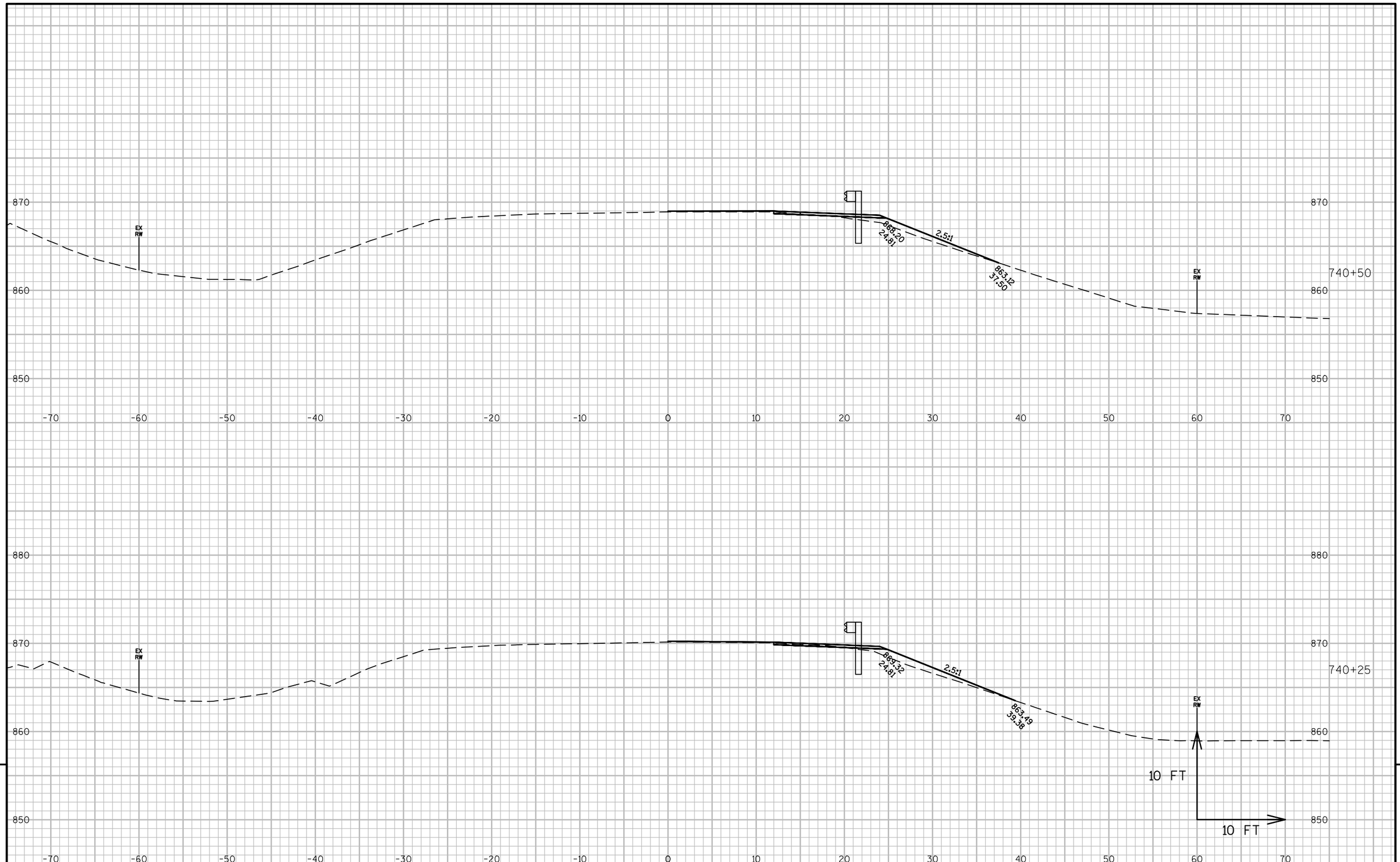
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 312	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (7)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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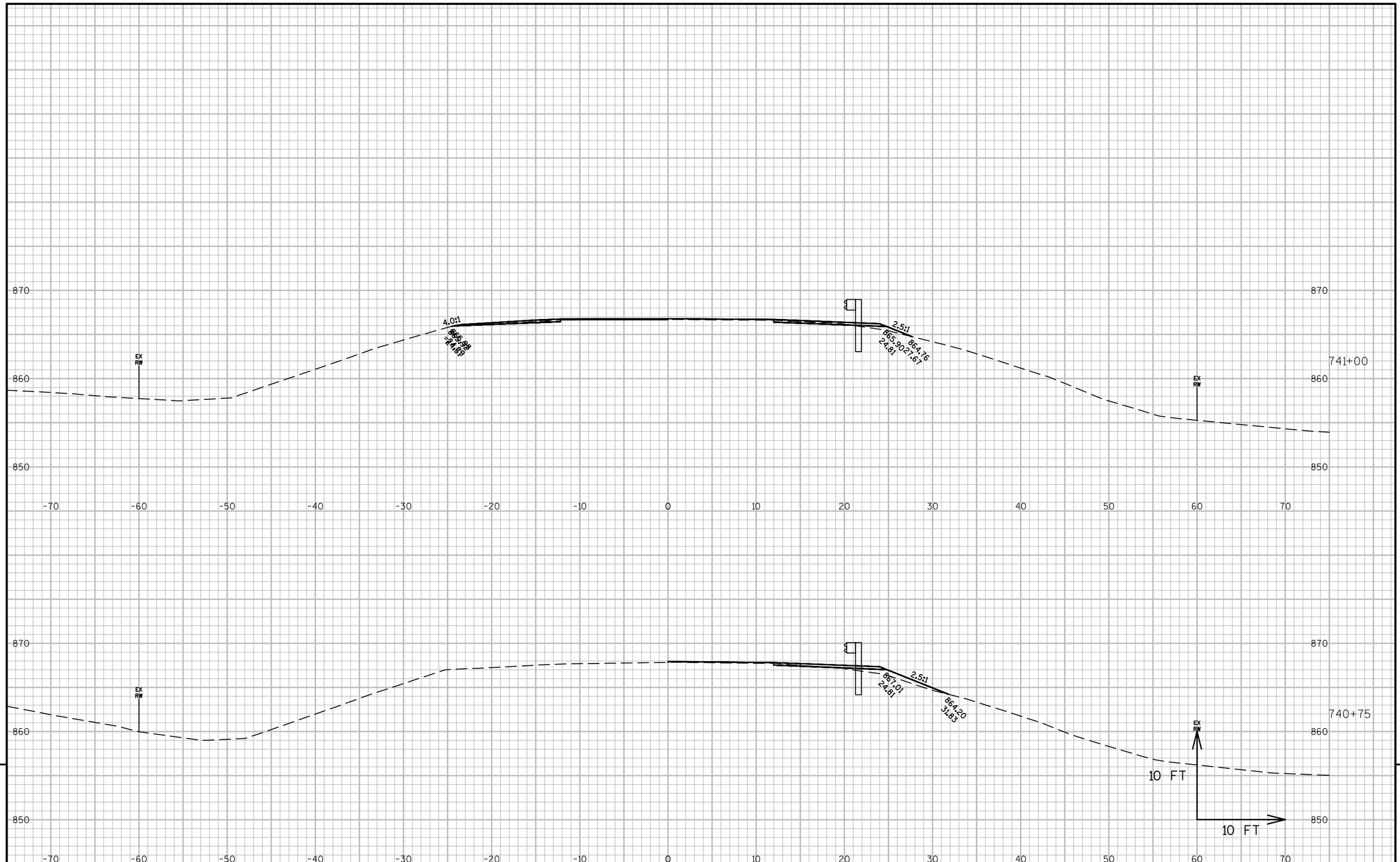
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 313	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (8)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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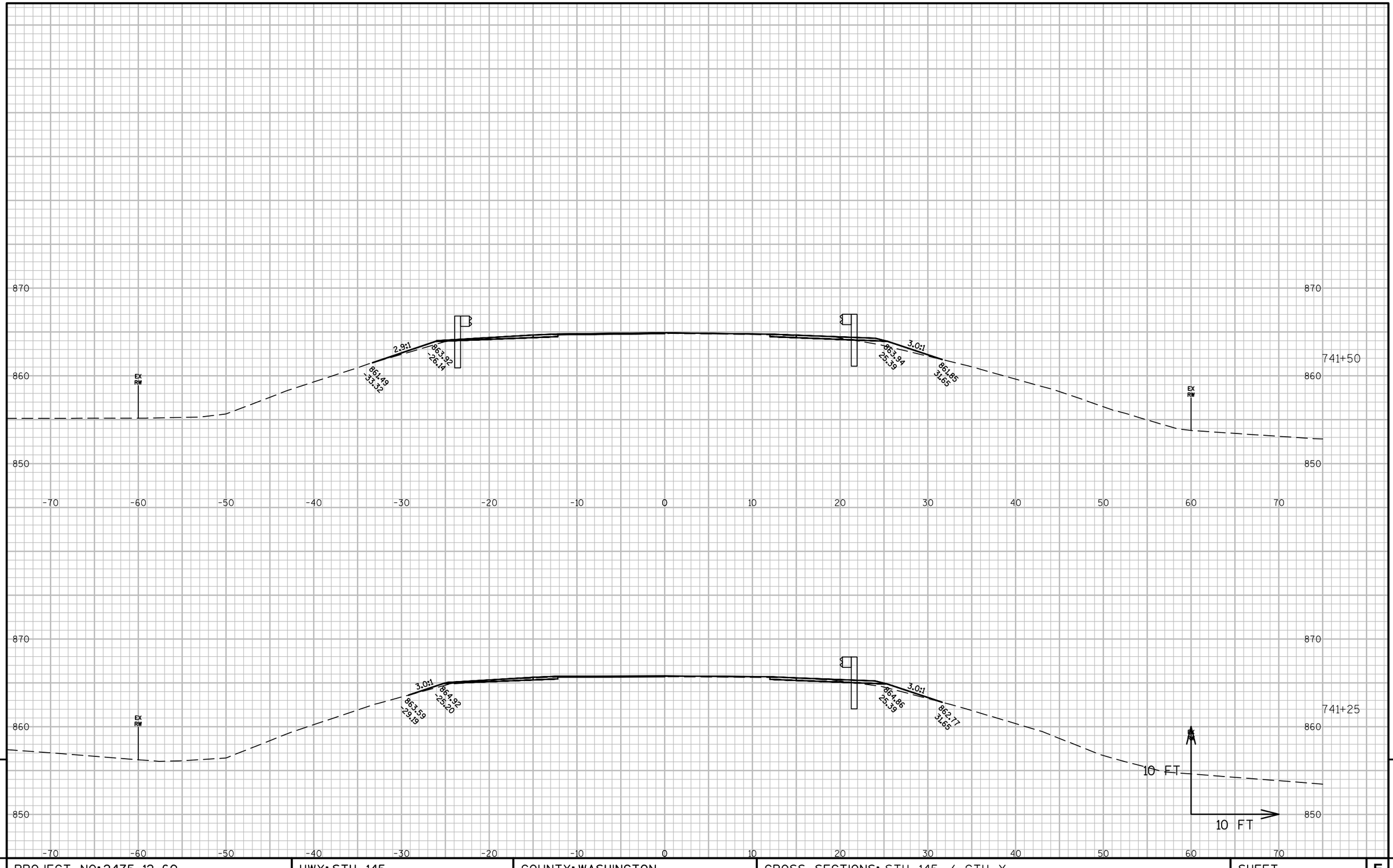
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 314	E

9

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (9)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

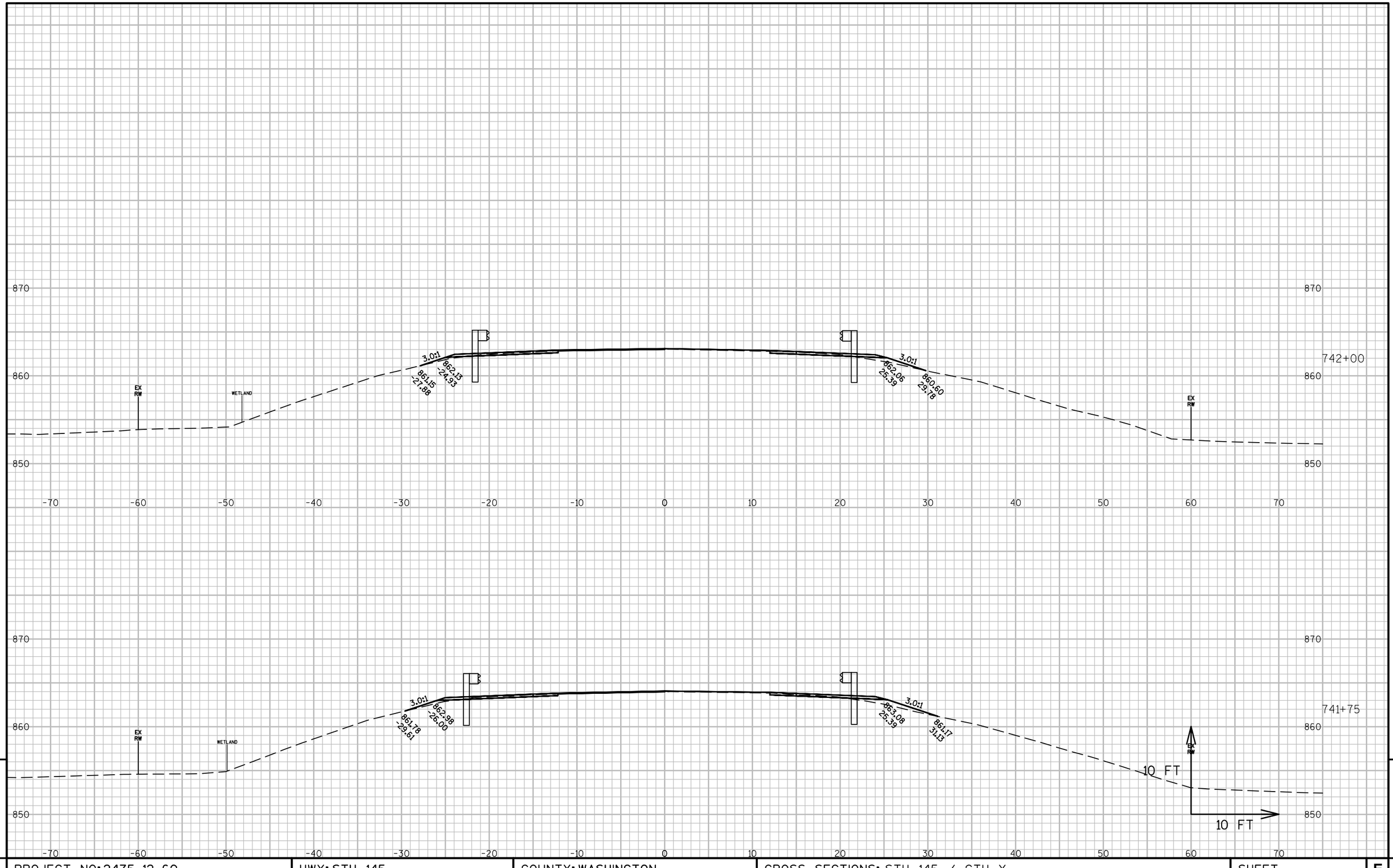


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 315	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (10)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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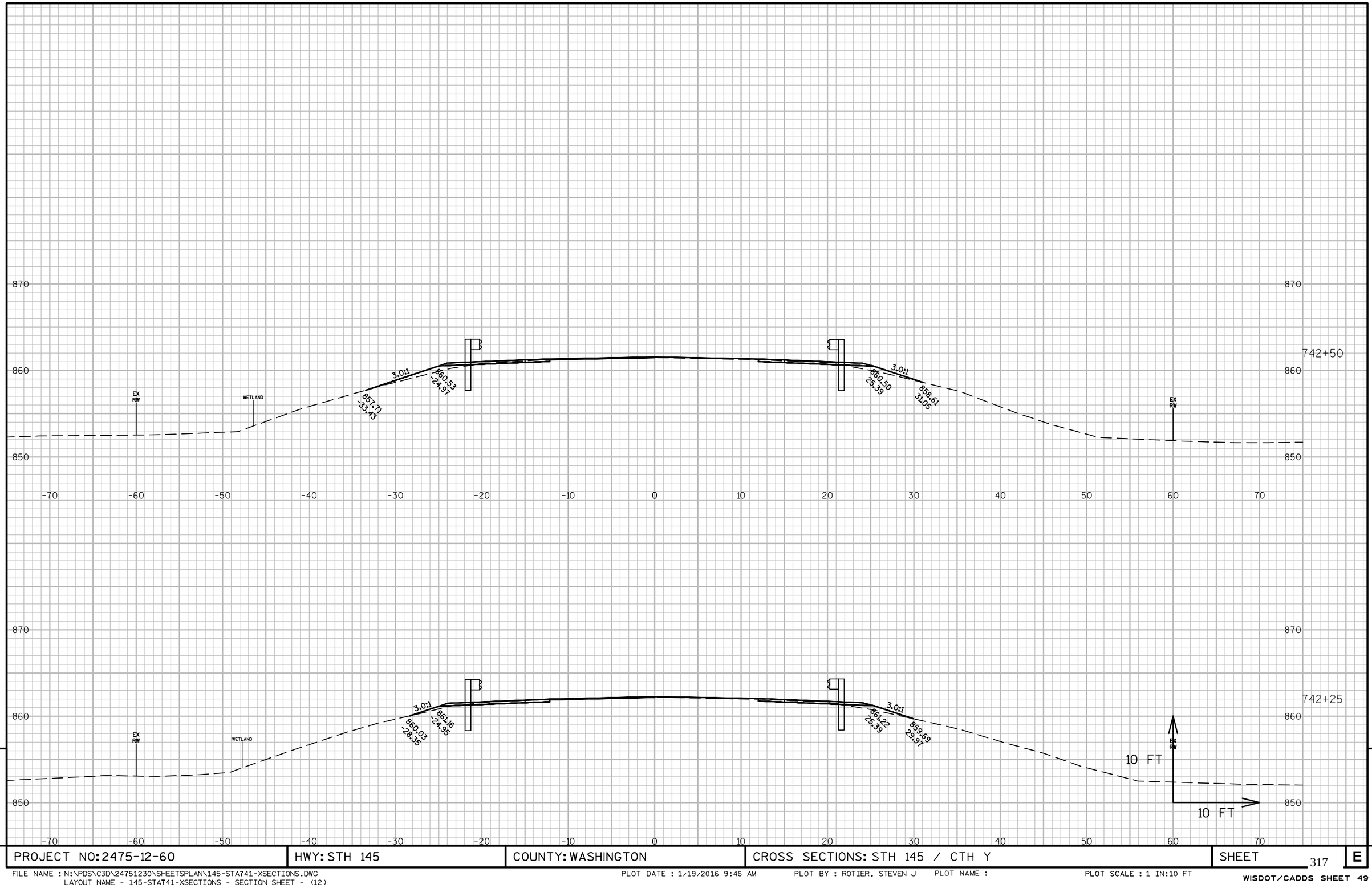
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 316	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (11)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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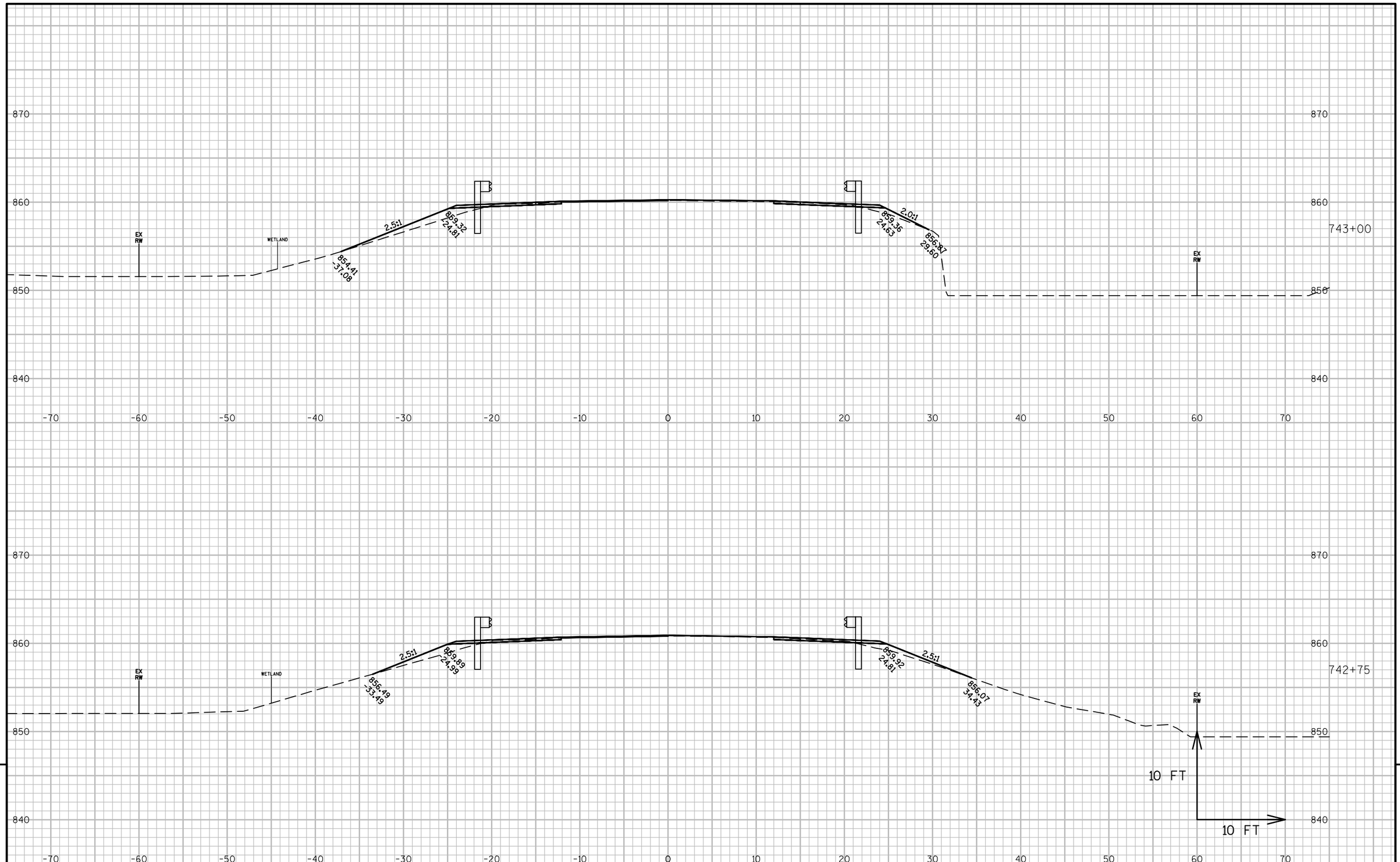
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 317	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (12)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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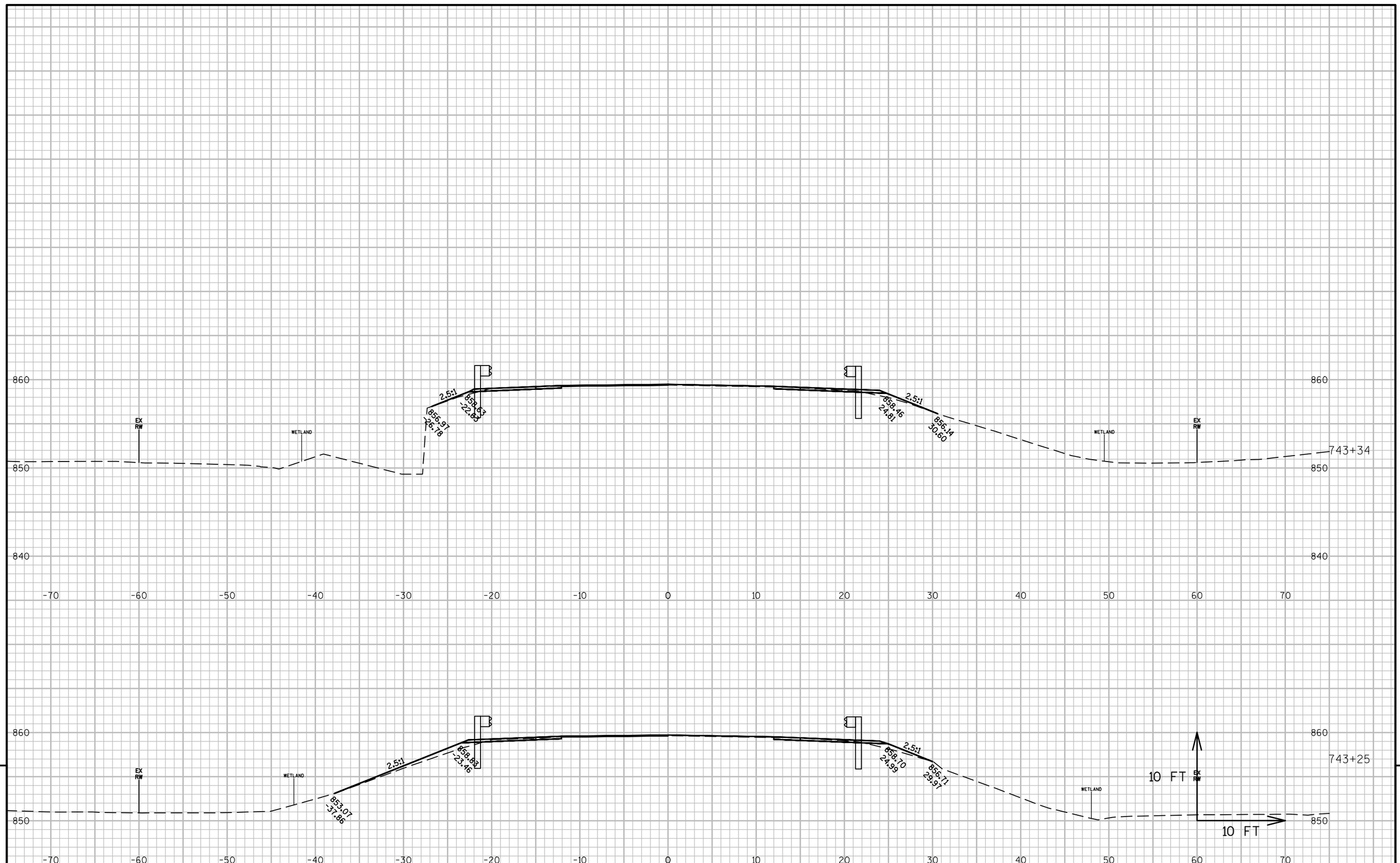
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 318	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (13)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

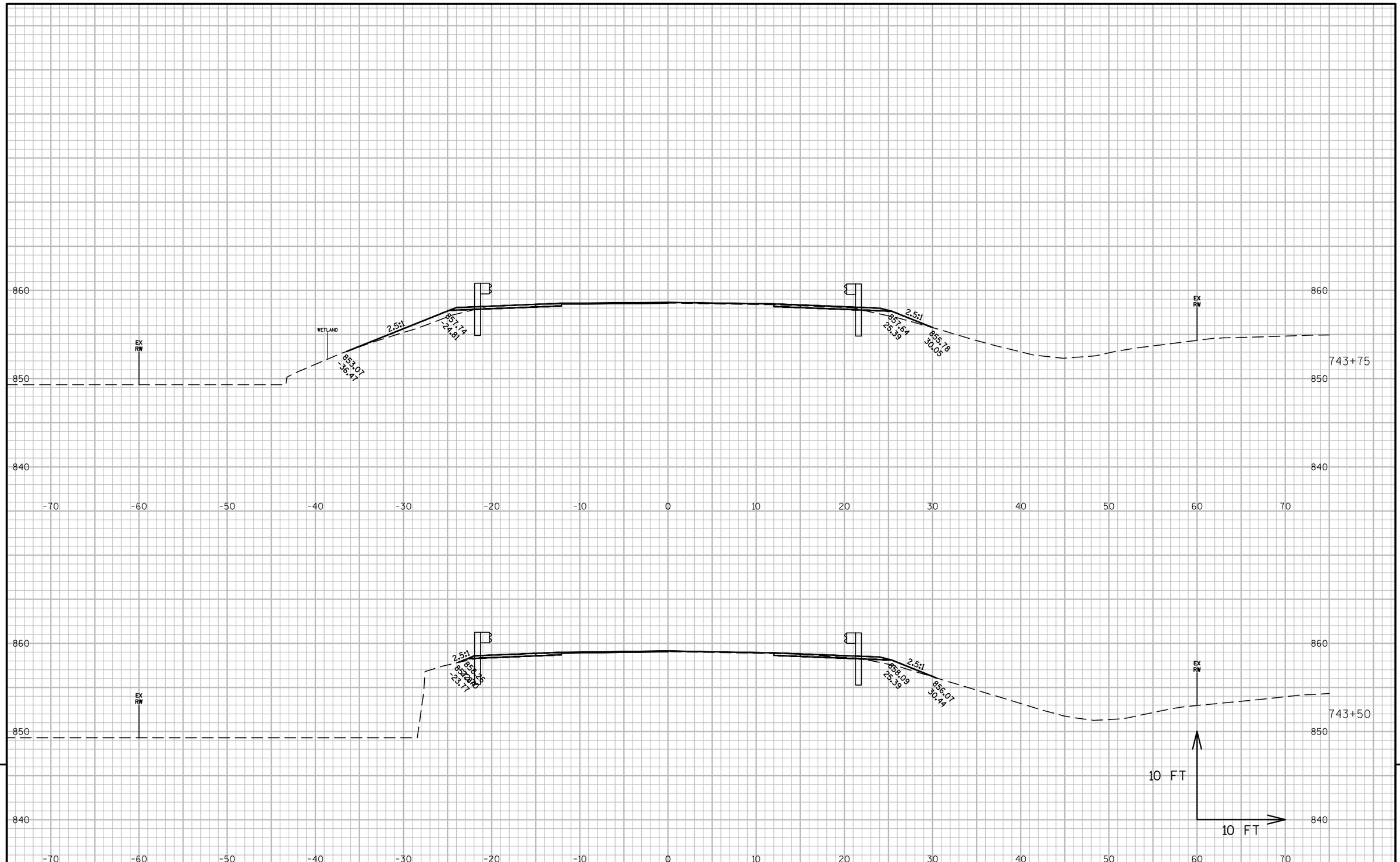


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 319	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (14)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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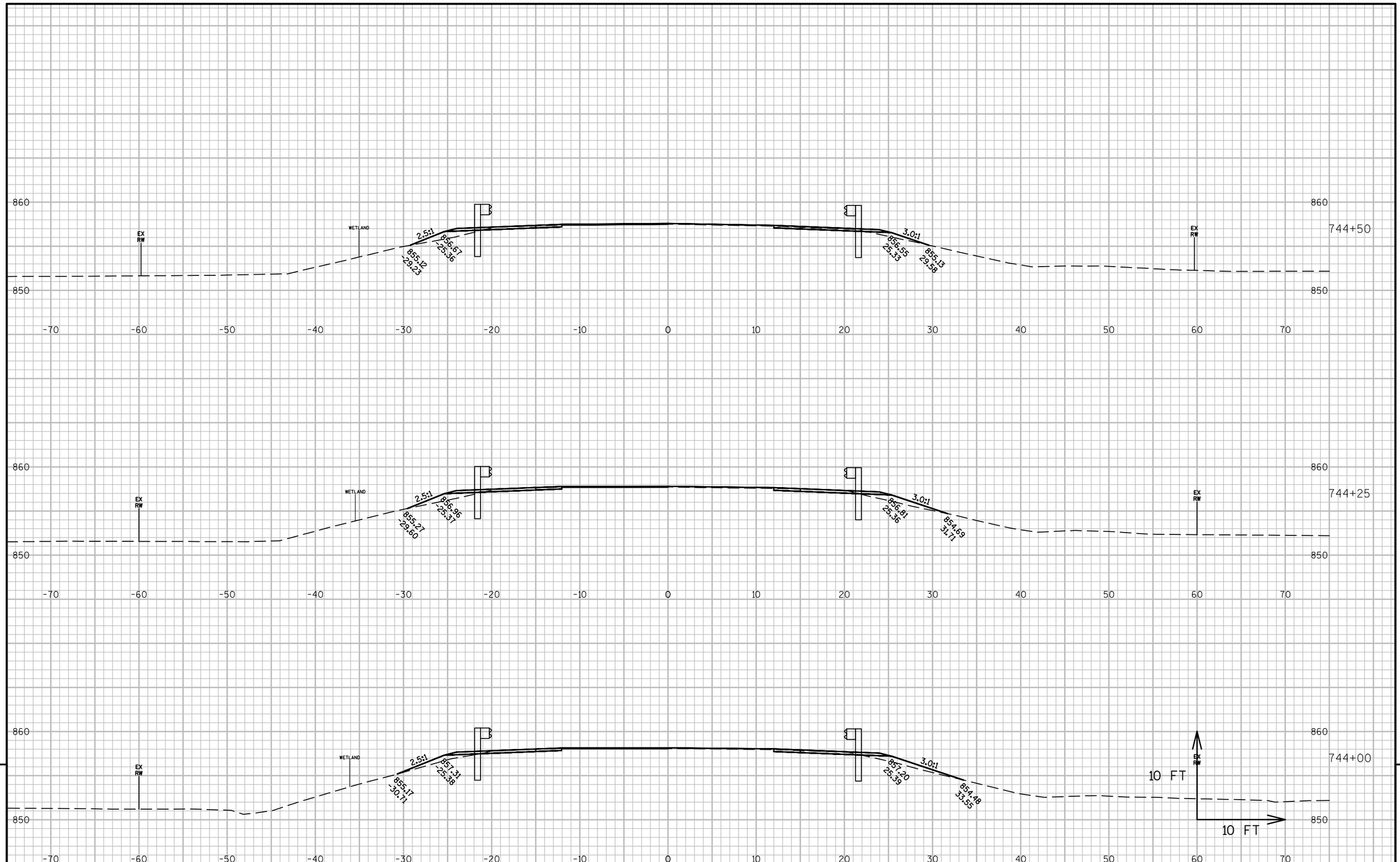
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 320	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (15)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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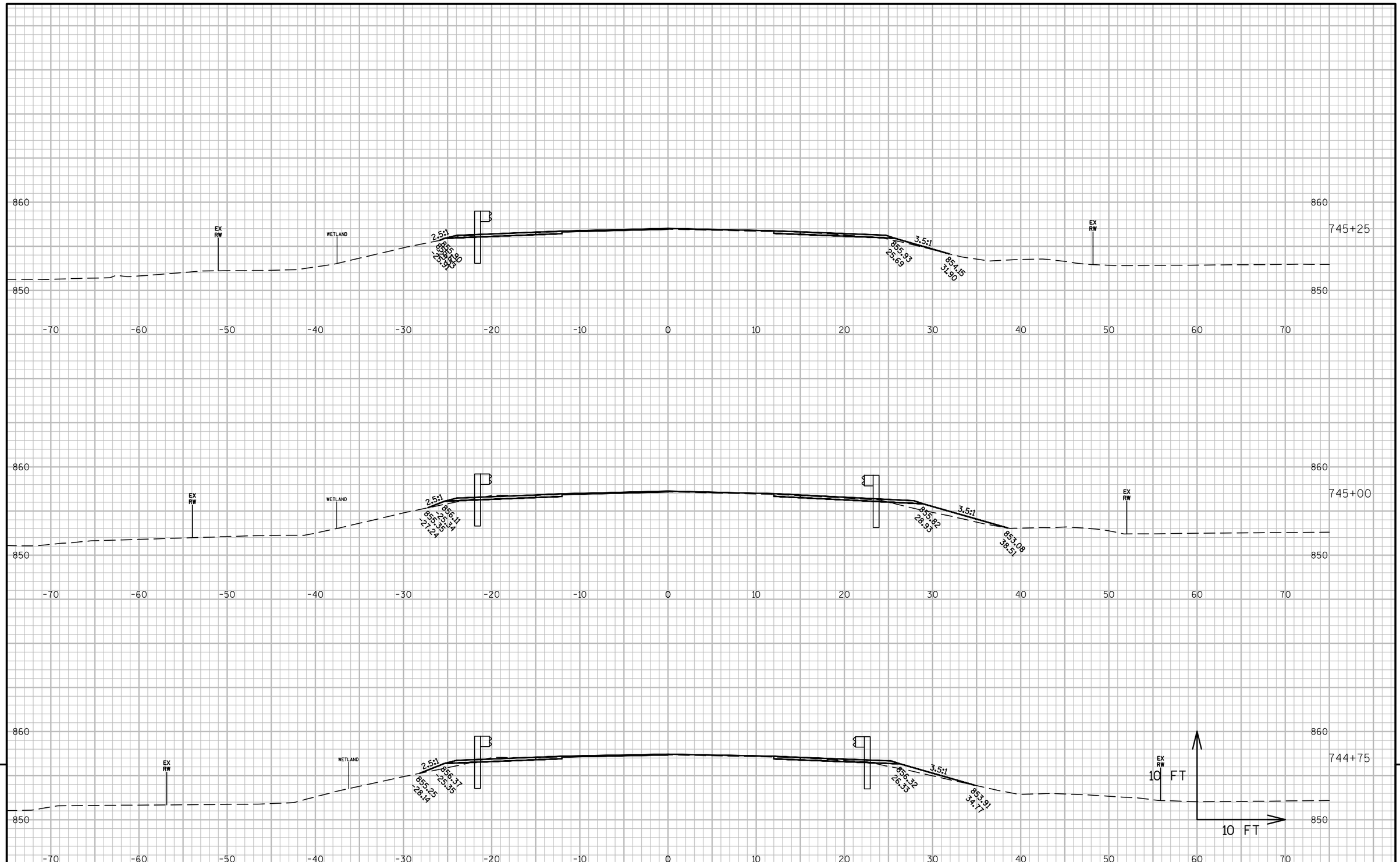
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 321	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (16)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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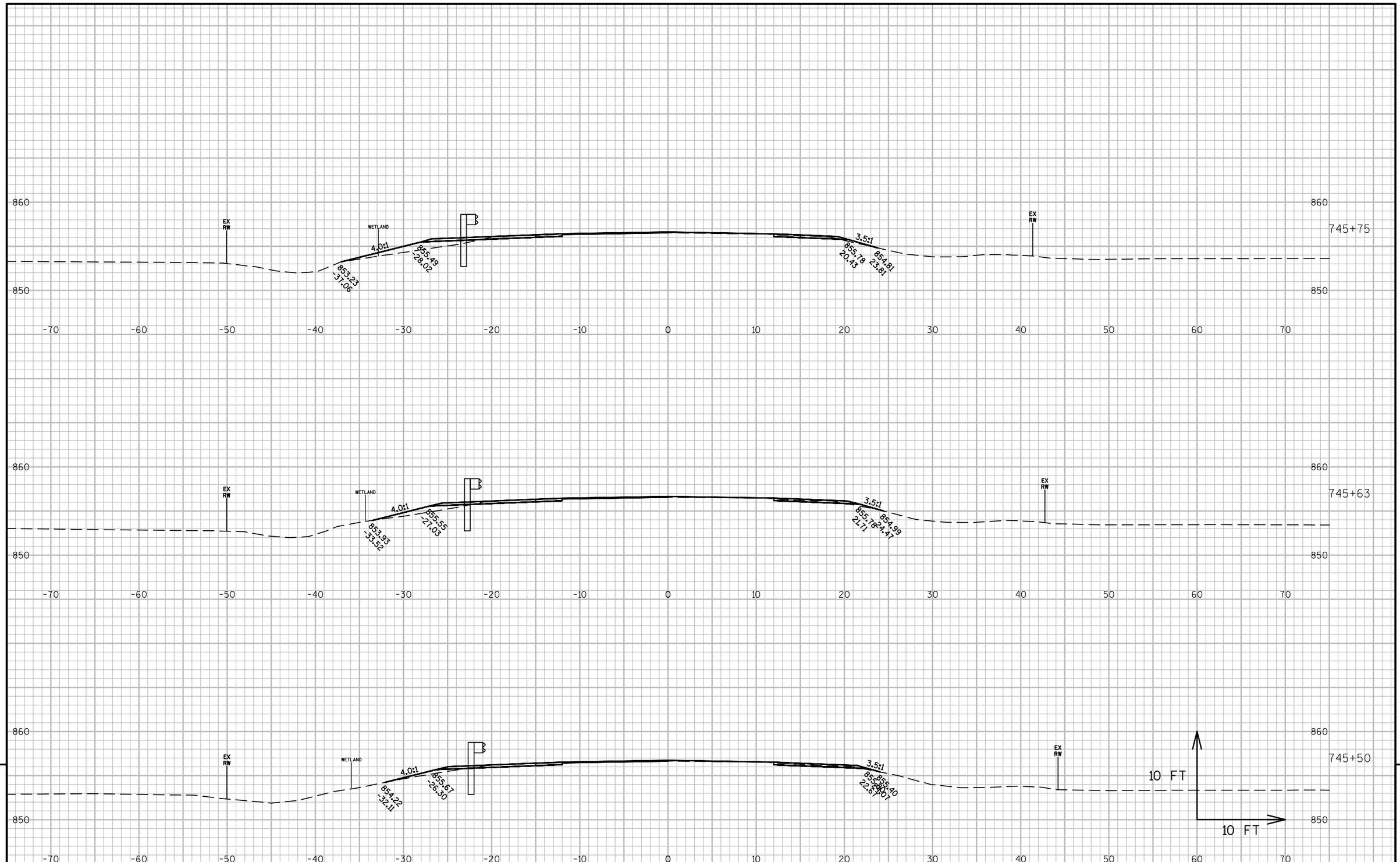
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 322	E

9

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (17)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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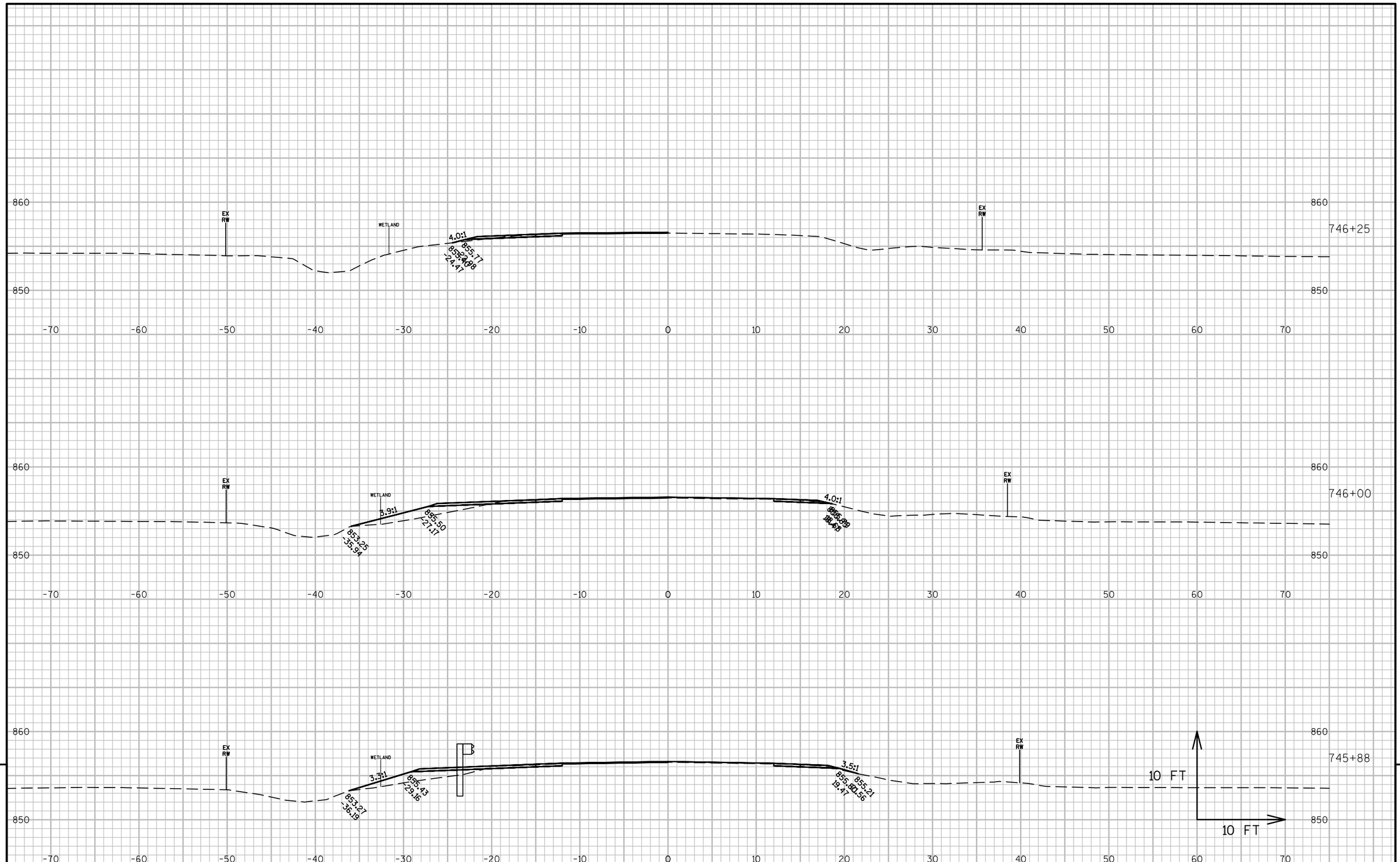
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 323	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (18)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

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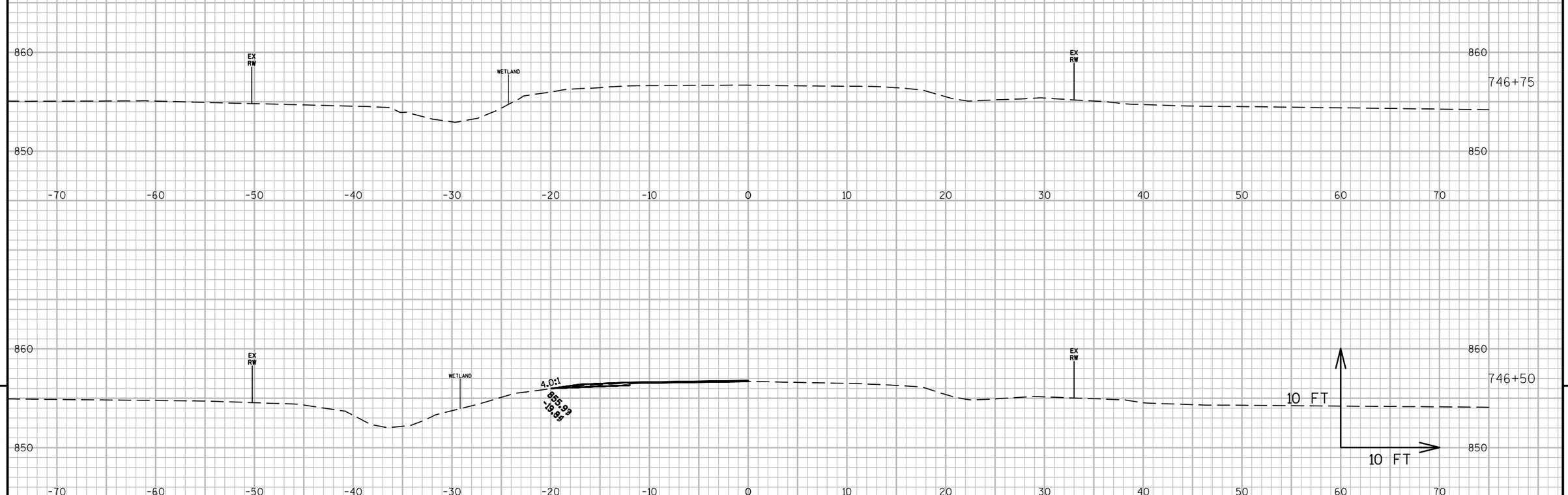
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 324	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA741-XSECTIONS.DWG
LAYOUT NAME - 145-STA741-XSECTIONS - SECTION SHEET - (19)

PLOT DATE : 1/19/2016 9:46 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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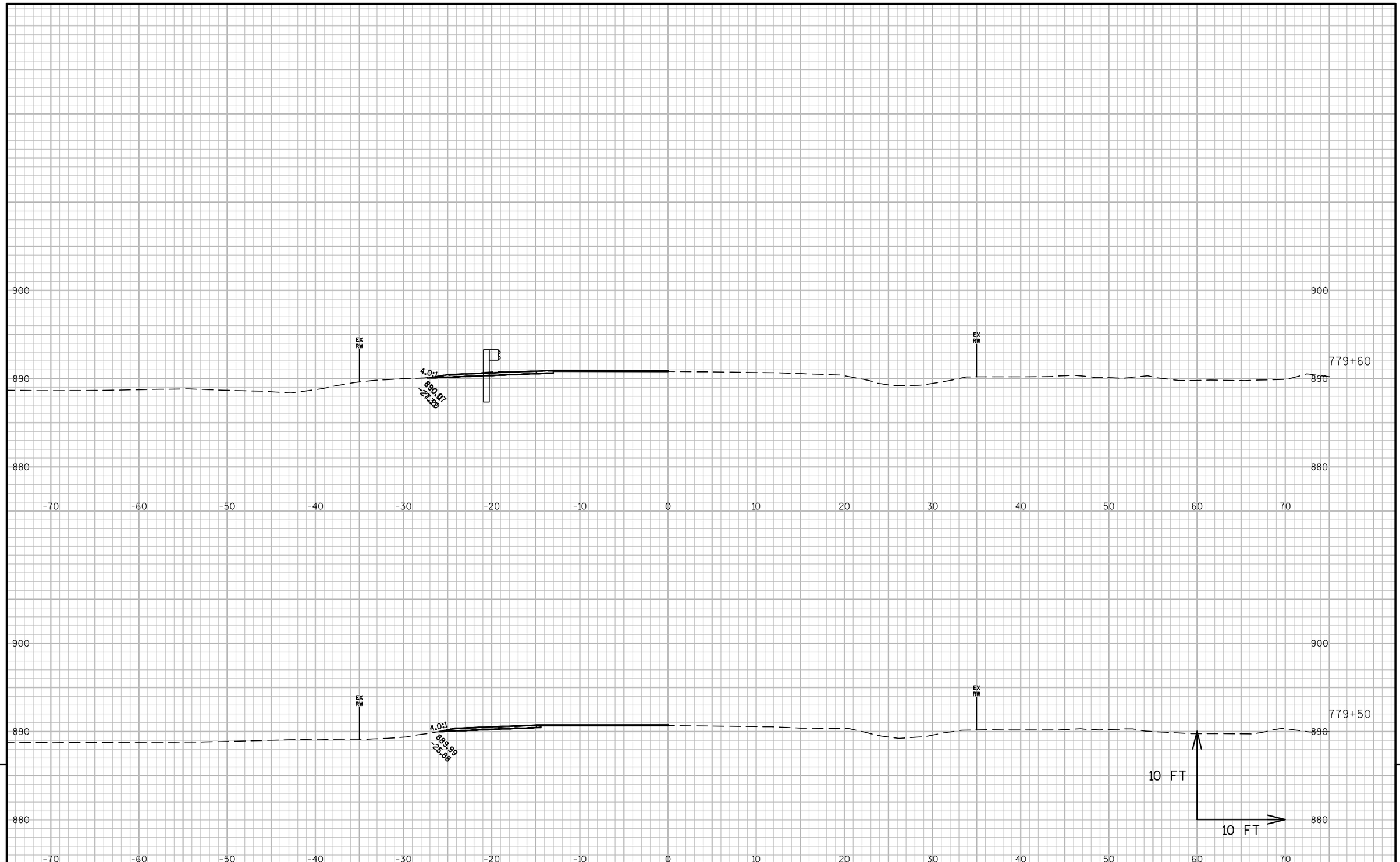
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145 / CTH Y	SHEET 325	E



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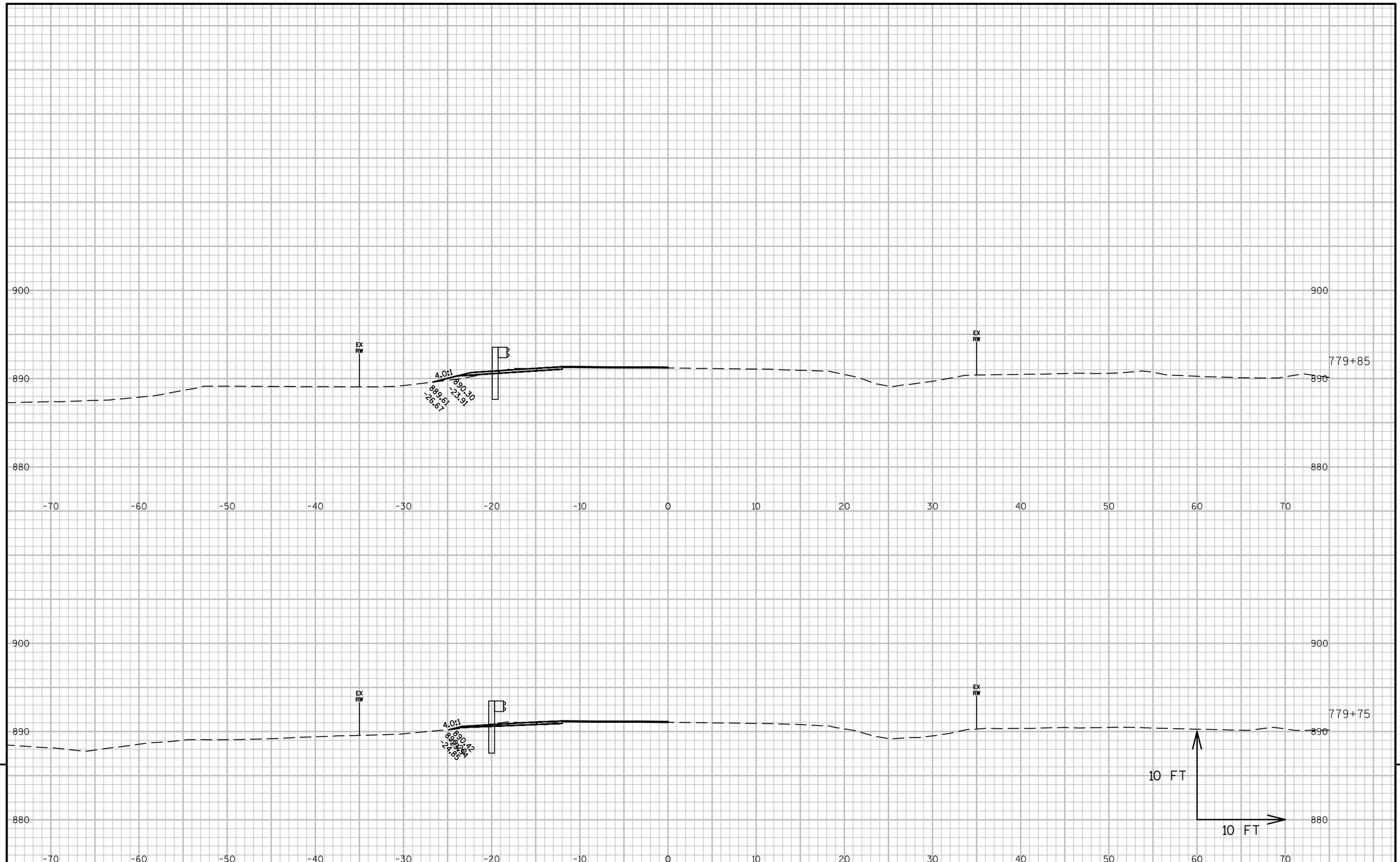
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 326	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (1)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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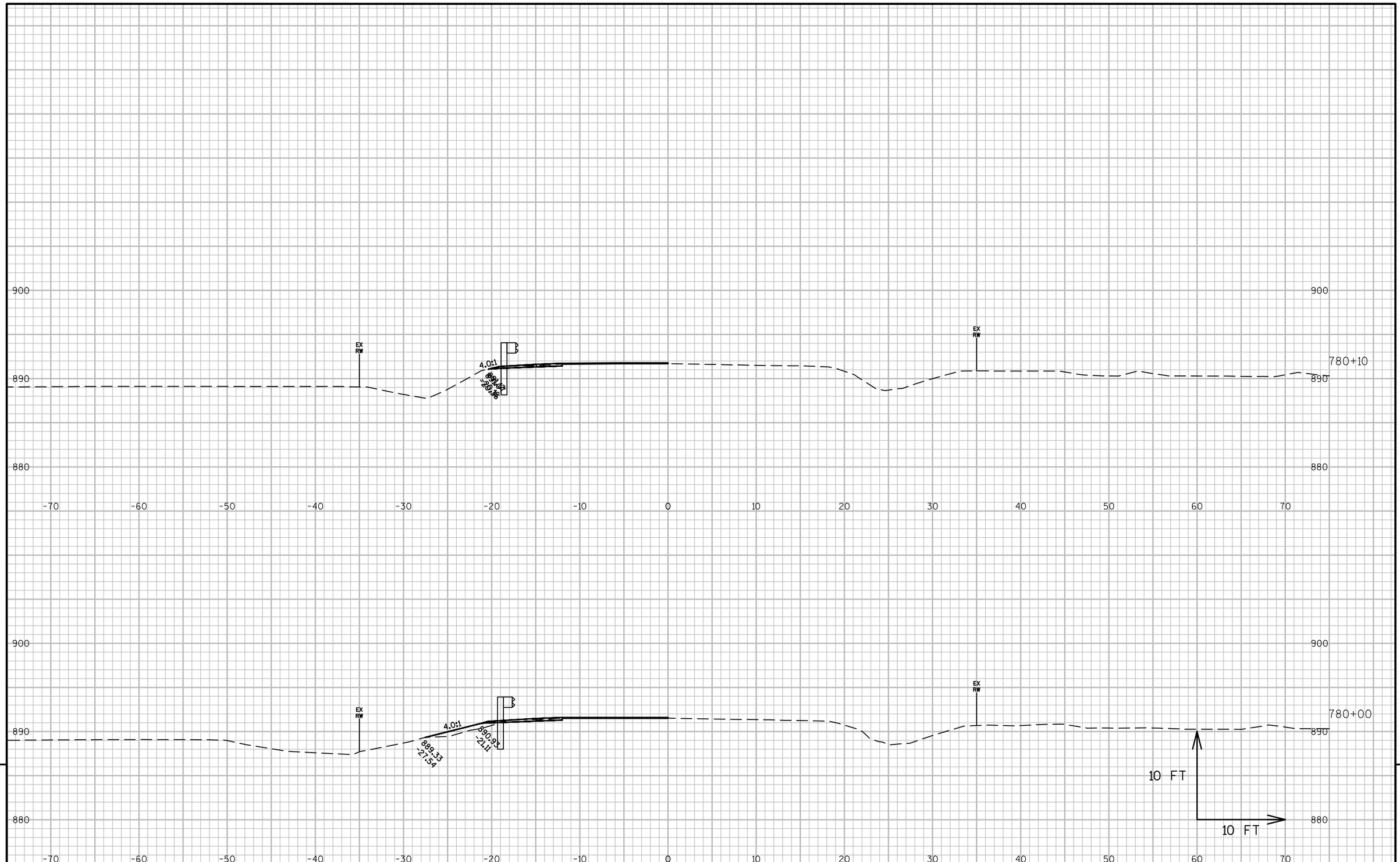
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 327	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (2)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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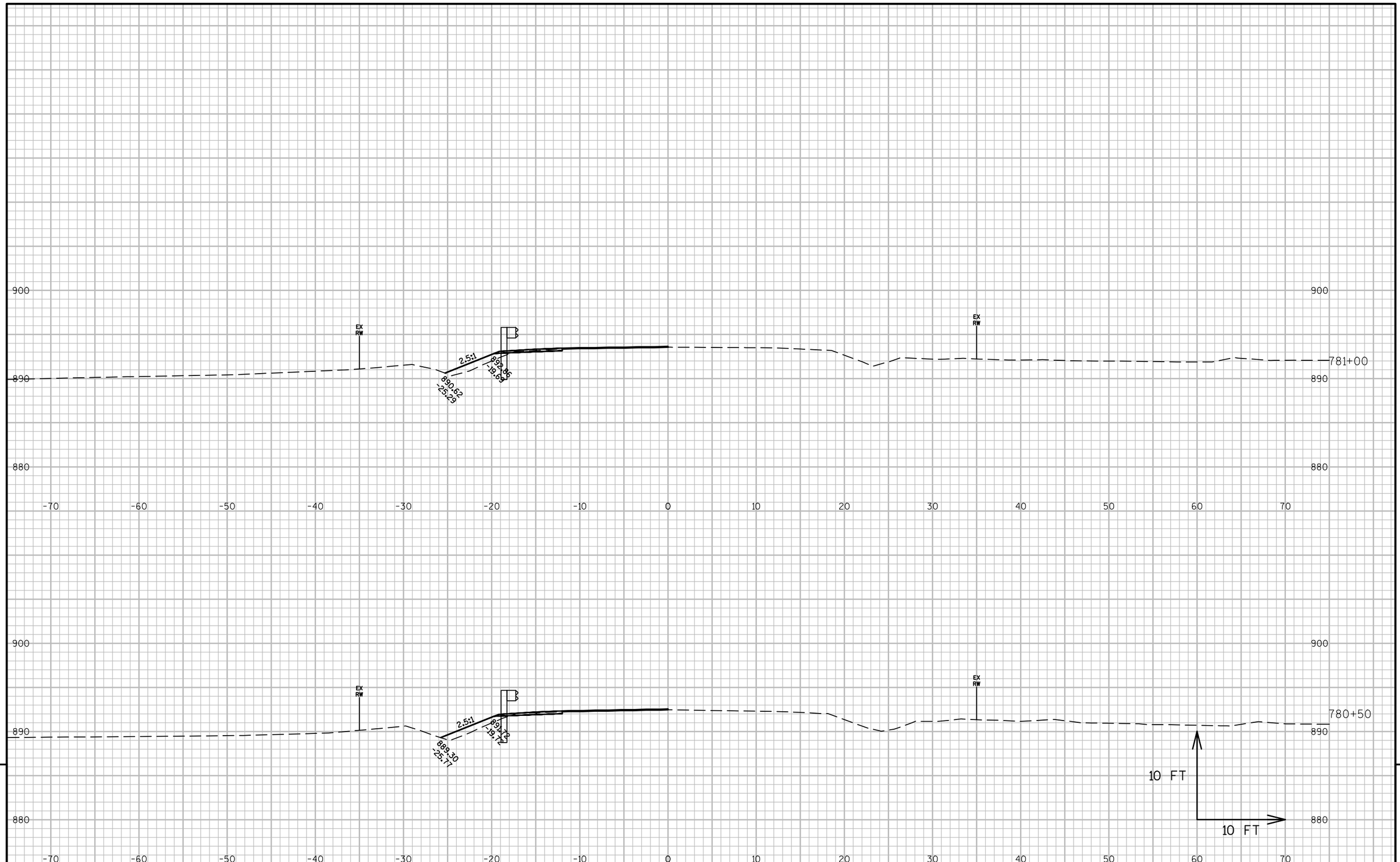
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 328	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (3)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

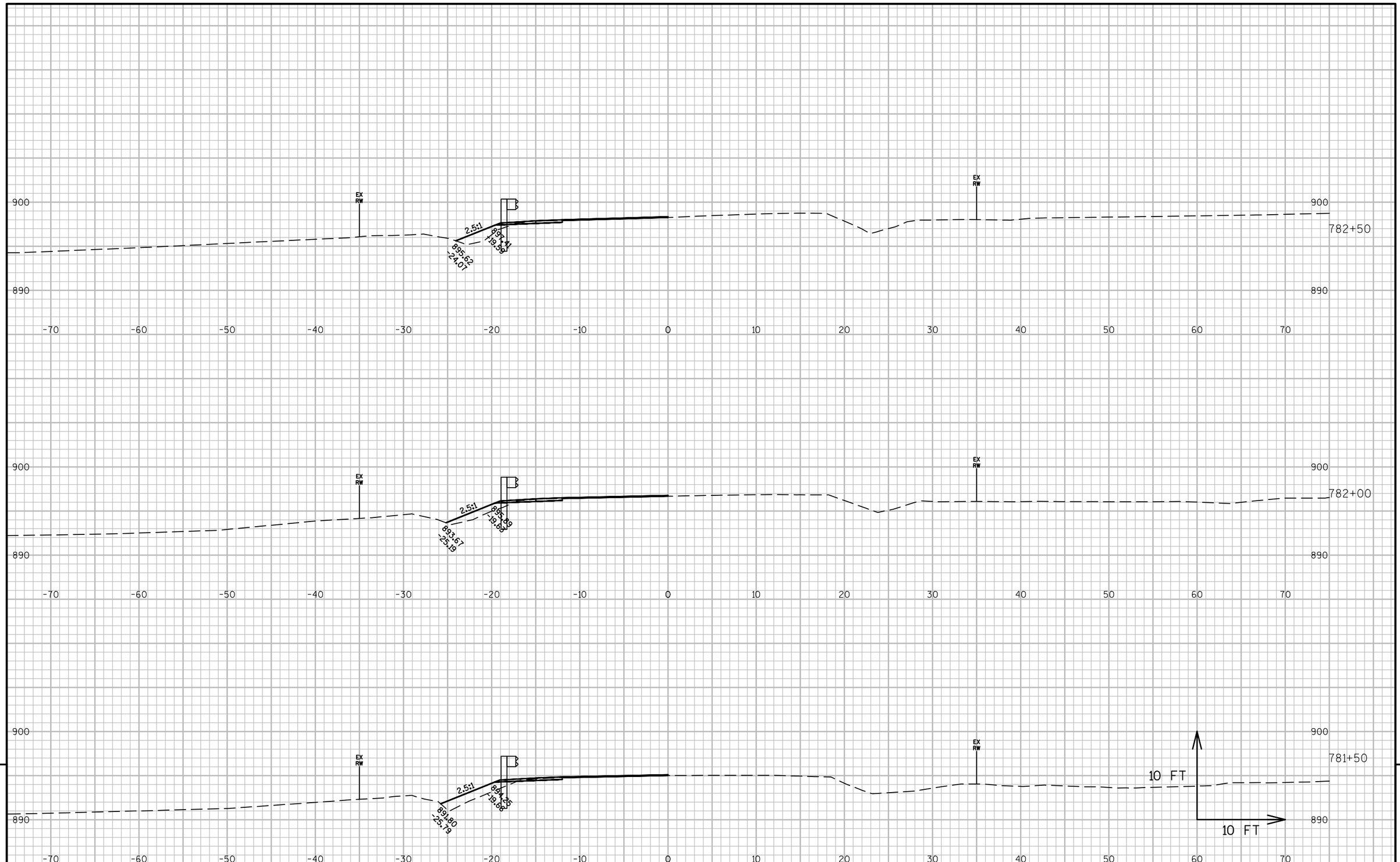


PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 329	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (4)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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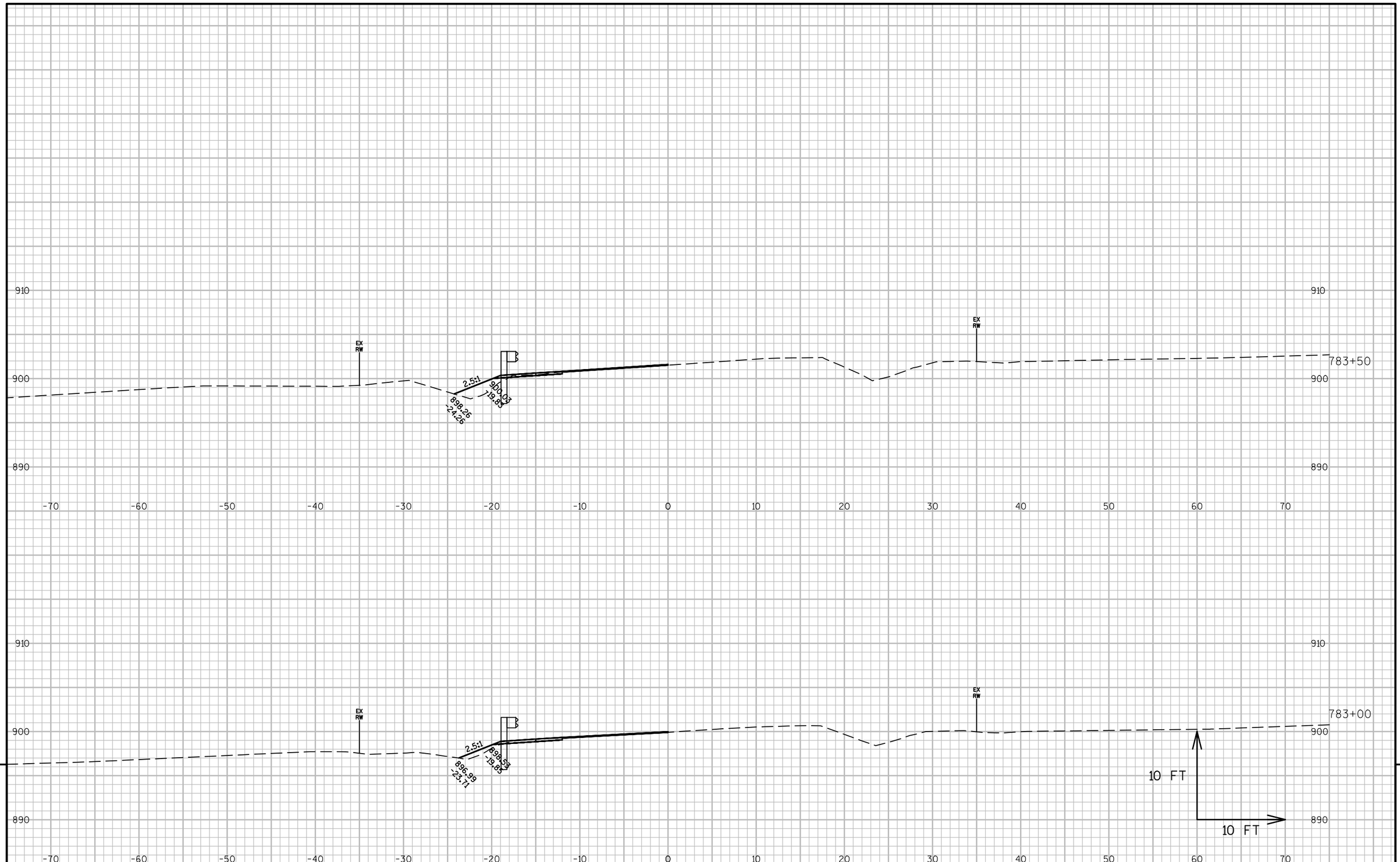
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 330	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (5)
PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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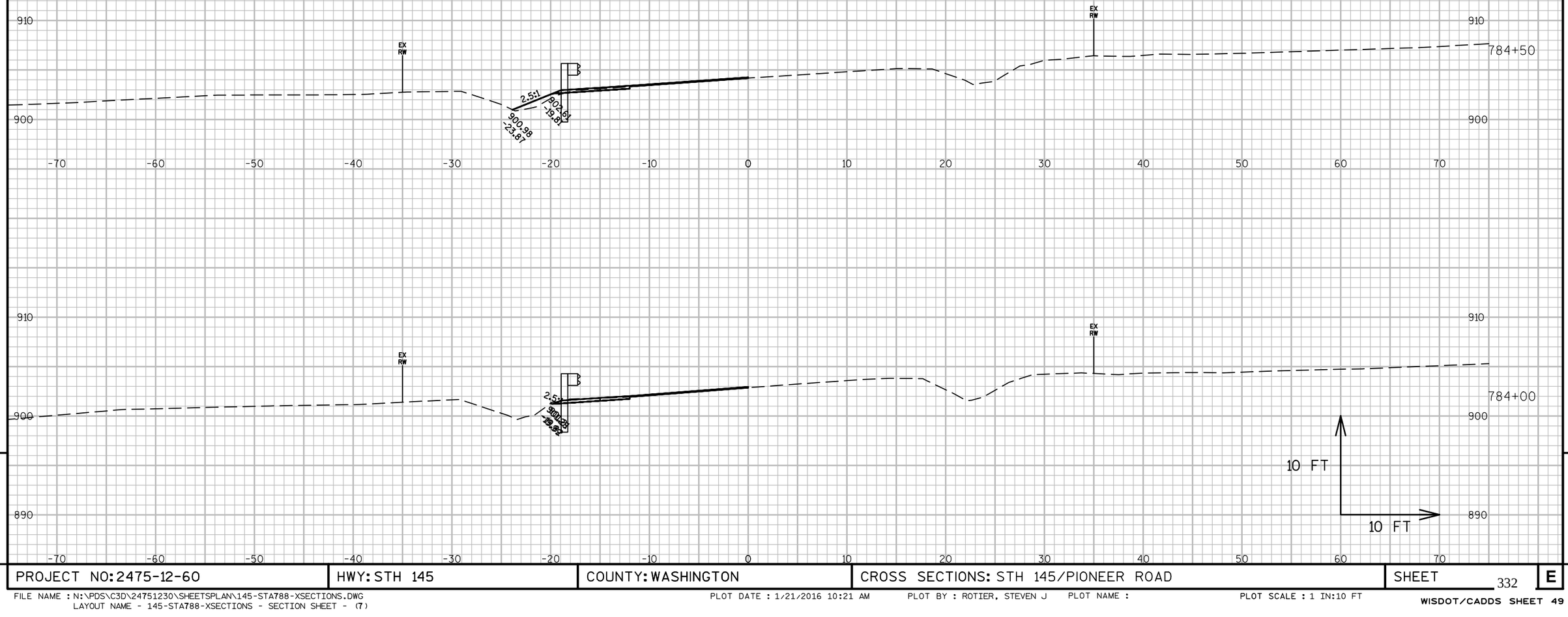
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 331	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (6)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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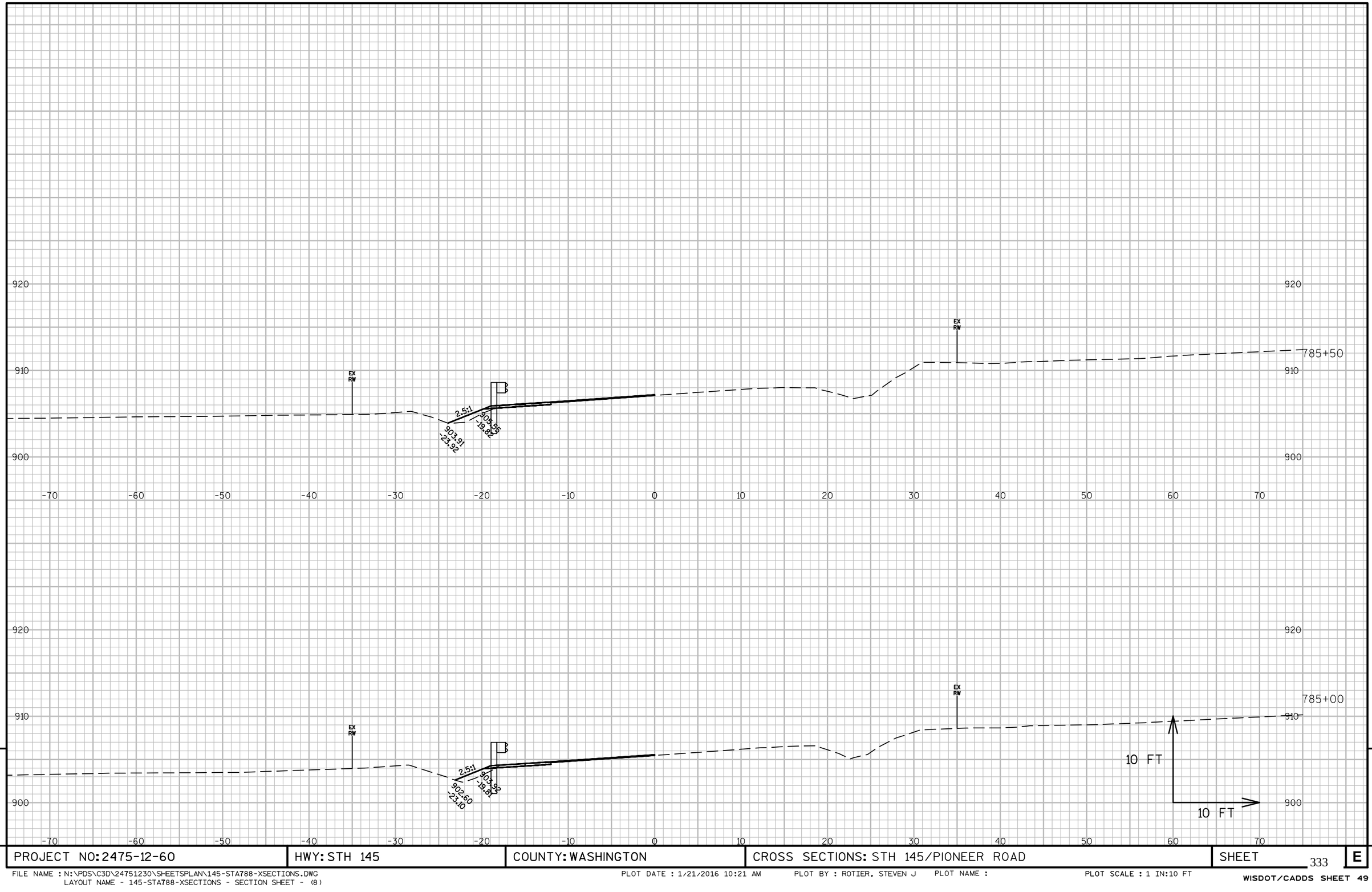
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 332	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (7)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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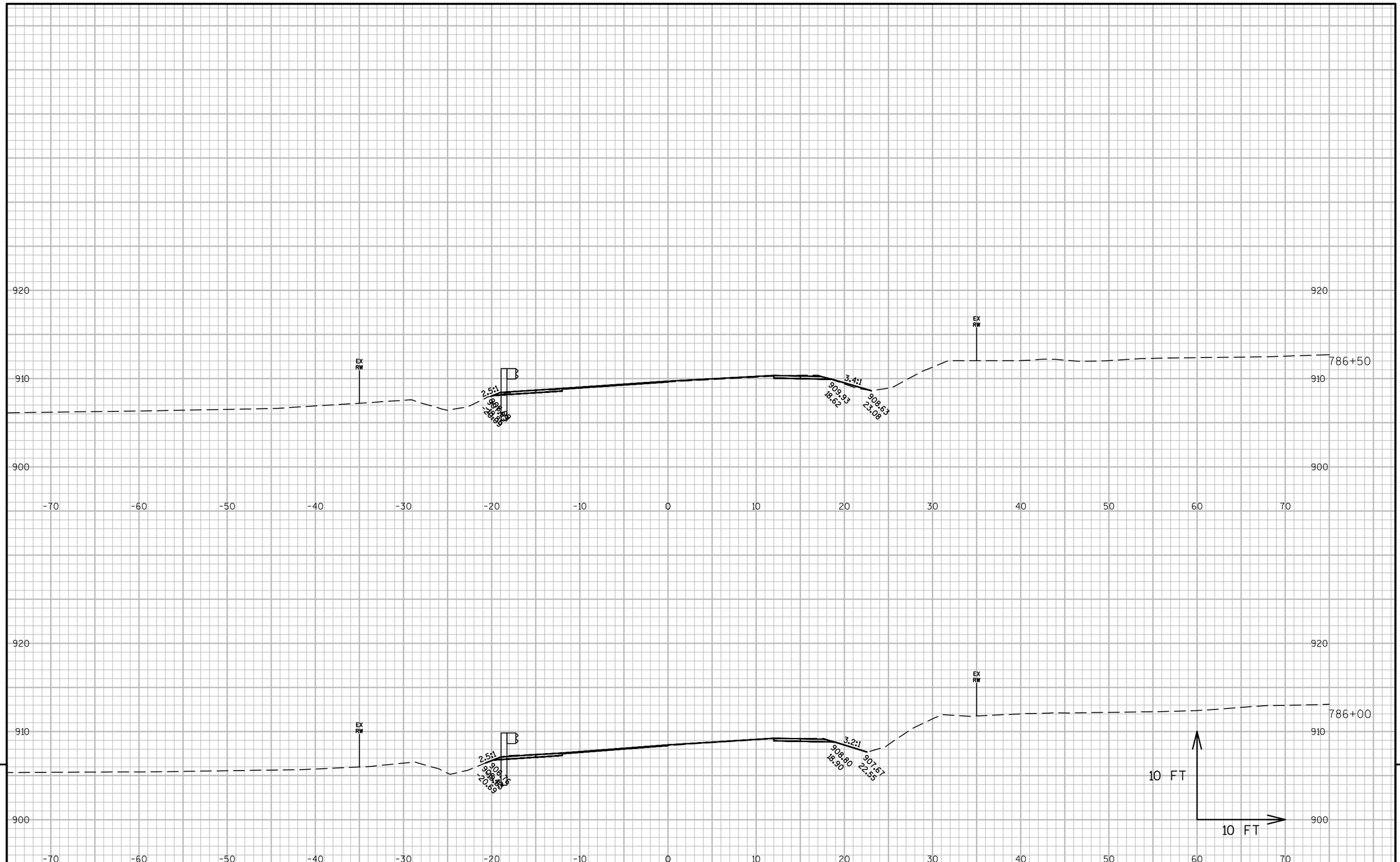
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 333	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (8)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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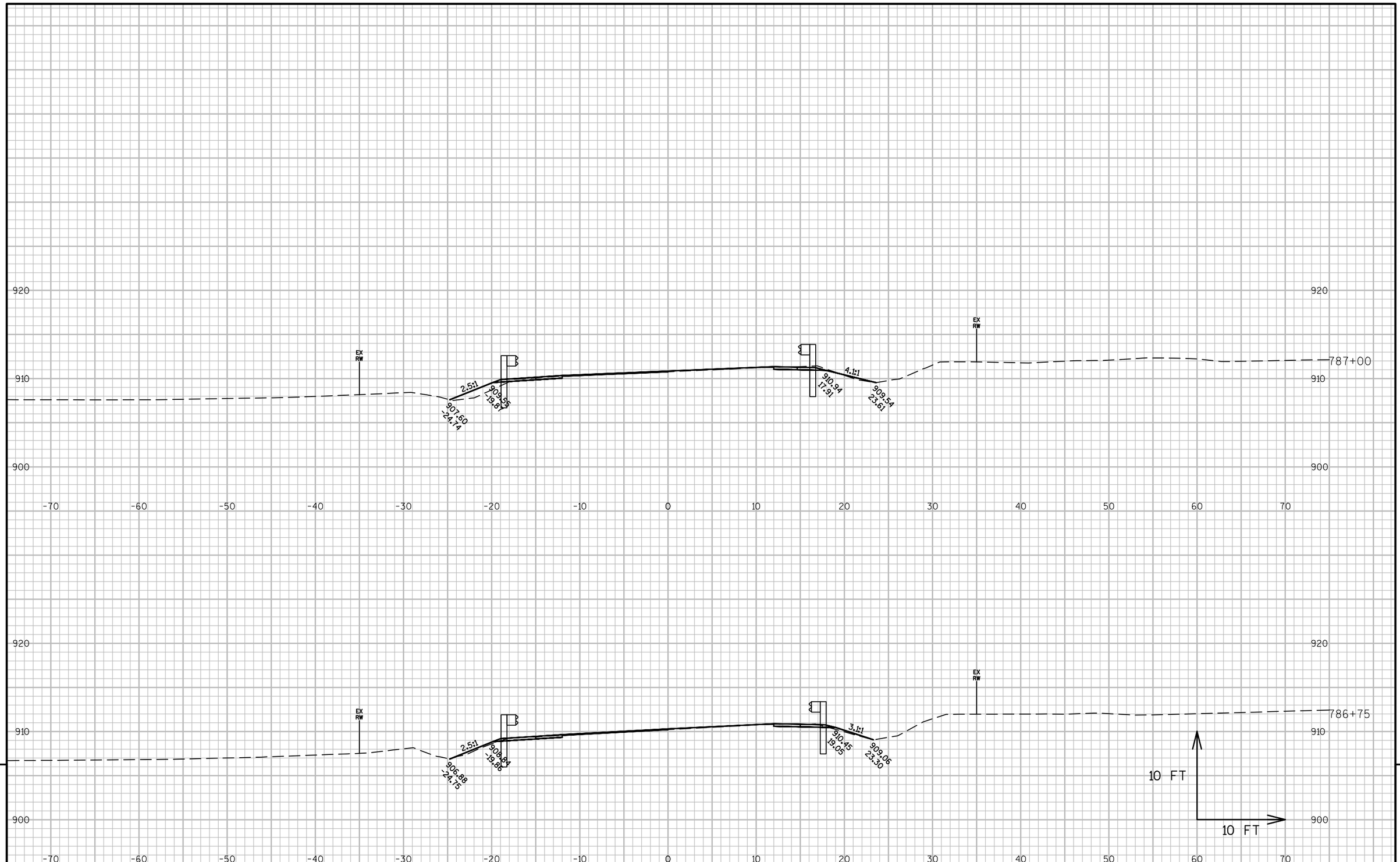
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 334	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (9)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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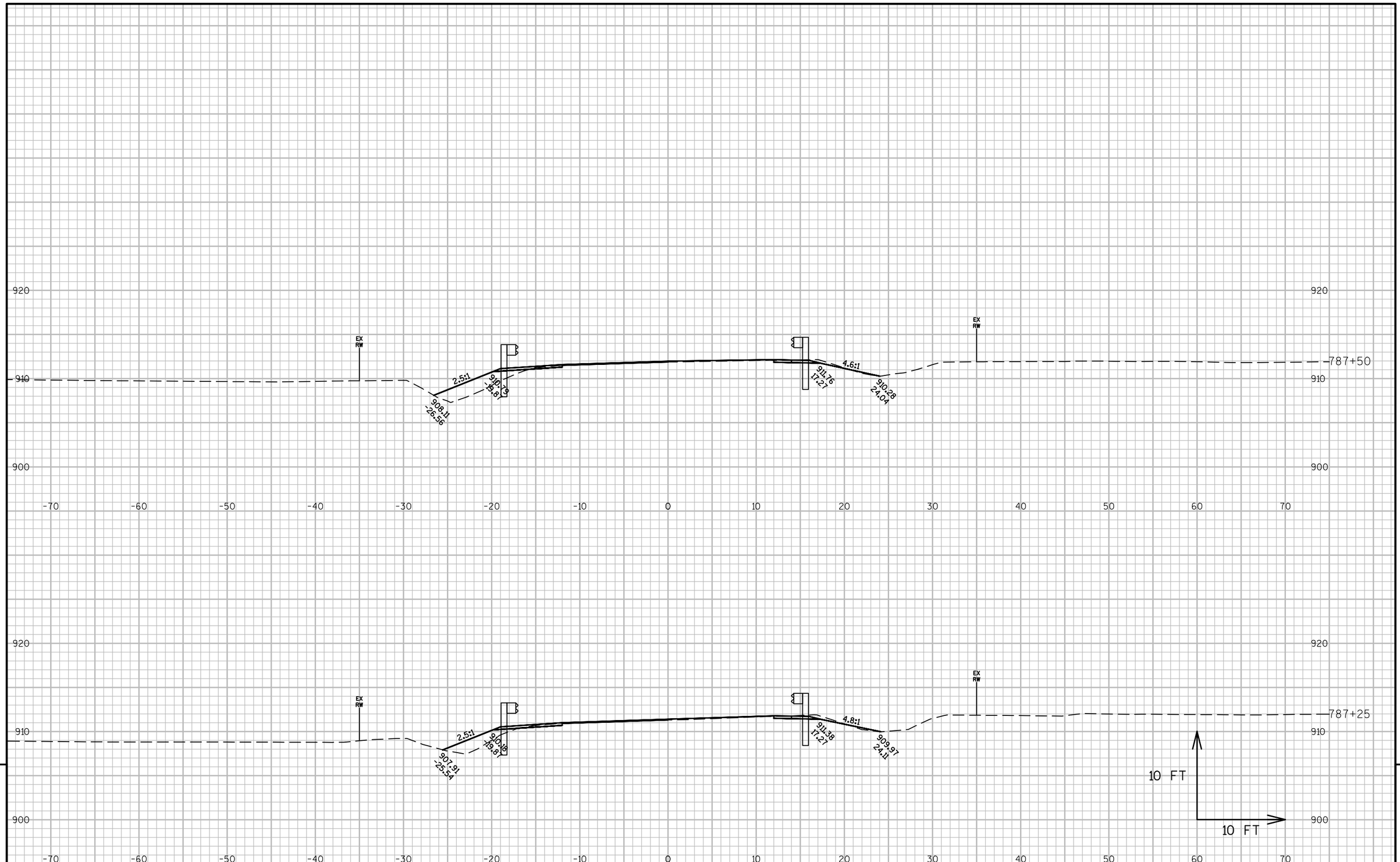
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 335	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (10)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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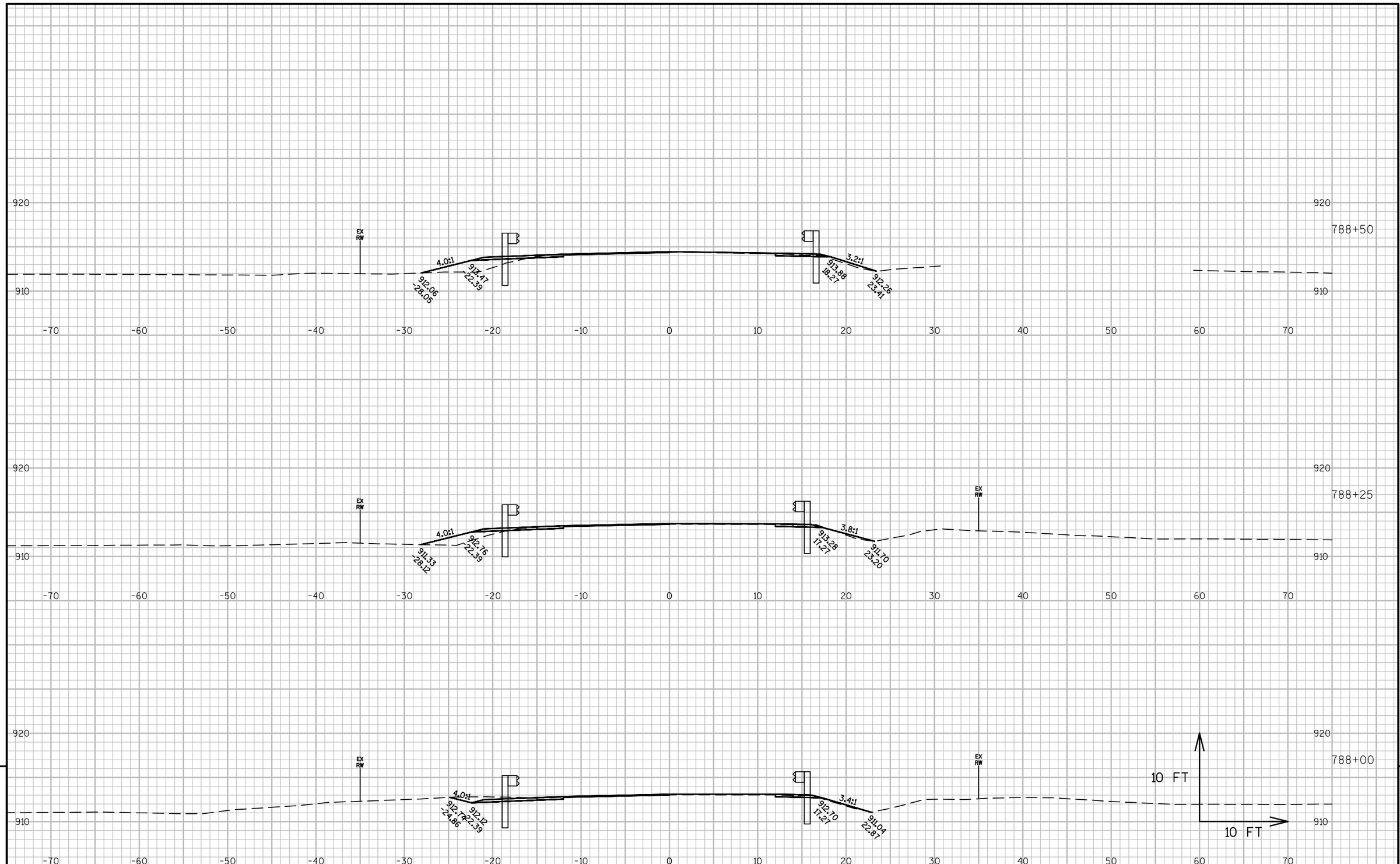
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 336	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (11)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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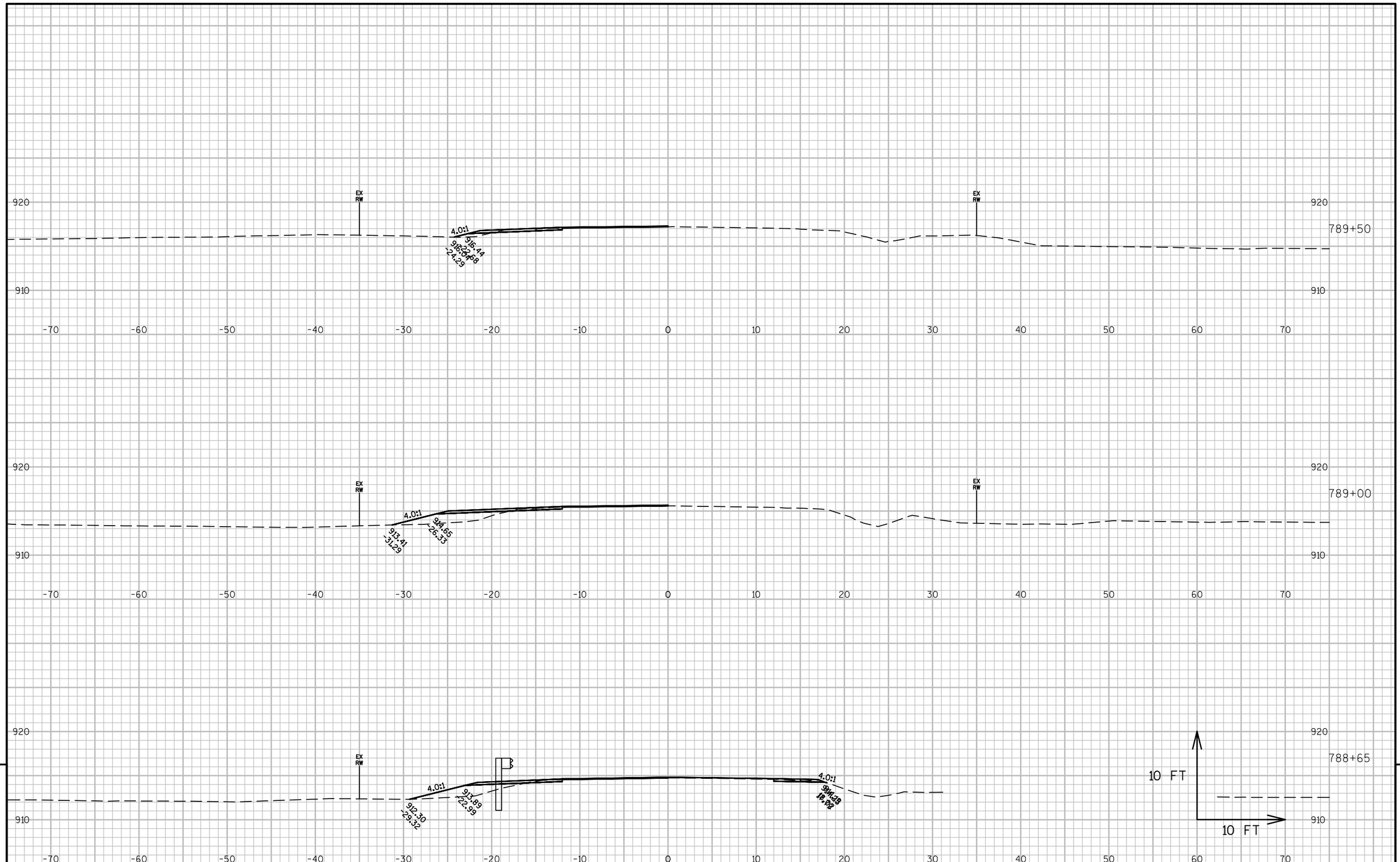
PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 337	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (12)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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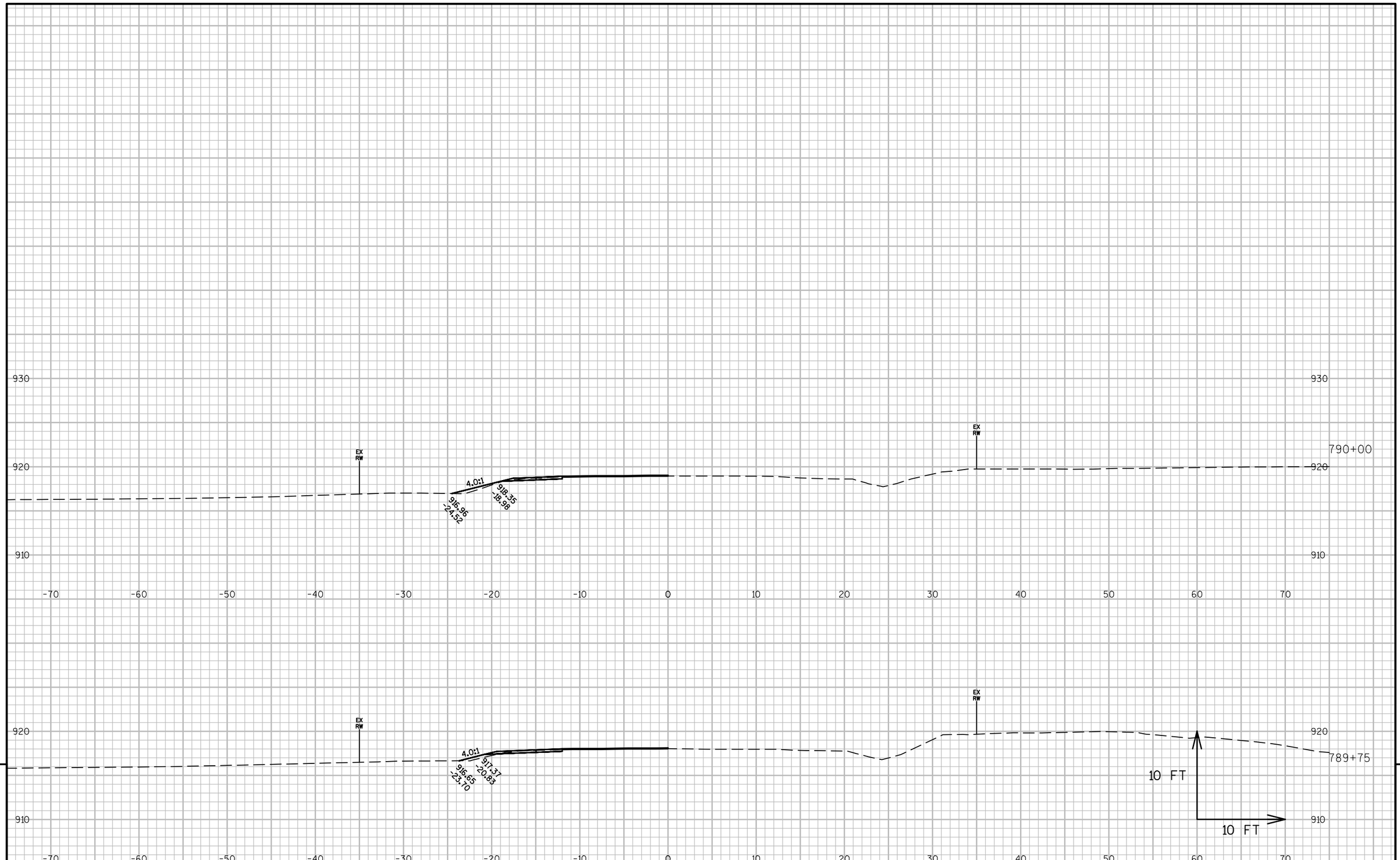
9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 338	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (13)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

9

PROJECT NO: 2475-12-60	HWY: STH 145	COUNTY: WASHINGTON	CROSS SECTIONS: STH 145/PIONEER ROAD	SHEET 339	E

FILE NAME : N:\PDS\C3D\24751230\SHEETSPLAN\145-STA788-XSECTIONS.DWG
LAYOUT NAME - 145-STA788-XSECTIONS - SECTION SHEET - (14)

PLOT DATE : 1/21/2016 10:21 AM PLOT BY : ROTIER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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